DEPARTMENT OF THE AIR FORCE
AIR FORCE CIVIL ENGINEER CENTER

July 27, 2015

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SUBJECT: Final 4th Quarter/ 2014 Operations and Maintenance Report for the Soil Vapor Extraction System at ST006 Building 101 AOC
Former Griffiss Air Force Base (AFB) Rome, New York
Contract Number FA8903-10-D-8595
Delivery Order 0014
July 2015

Accompanying this letter please find the "Final 4th Quarter/ 2014 Operations and Maintenance Report for the Soil Vapor Extraction System at ST006 Building 101 AOC", for your review and comment. This version of the report incorporates data through December 2014. The Draft 4th Quarter/ 2014 Operations and Maintenance Report was submitted on May 4, 2015.

We would appreciate review comments by June 28, 2015 so that project schedules and performance milestones can be maintained in accordance with this PBR Contract.

Should you have any questions or concerns please contact me at 518-563-2871.

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FINAL

4TH QUARTER/2014 OPERATION AND MAINTENANCE REPORT
SOIL VAPOR EXTRACTION SYSTEM
ST006 BUILDING 101 AOC

FORMER GRIFFISS AIR FORCE BASE SITE
ROME, NEW YORK

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Contract Number FA8903-10-D-8595
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LIST OF ACRONYMS AND ABBREVIATIONS

acfm	actual cubic feet per minute
AFB	Air Force Base
AFCEC	Air Force Civil Engineer Center
AOC	Area of Concern
BADP	Battery Acid Disposal Pit
BADrP	Battery Acid Drainage Pit
bgs	below grade surface
FPM	FPM Remediations, Inc.
GAC	Granular Activated Carbon
inch w.g.	inches of water column
J	The analyte was positively identified; the quantitation is an estimation
µg/m^3	microgram per cubic meter
O&M	Operations and Maintenance
SVE	Soil Vapor Extraction
SVI	Soil Vapor Intrusion
TCE	trichloroethene
UFP QAPP	Uniform Federal Policy Quality Assurance Project Plan
USEPA	Unites States Environmental Protection Agency
VMP	Vapor Monitoring Point
VOCs	volatile organic compounds

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1 INTRODUCTION

FPM Remediations, Inc. (FPM), in association with CAPE, Inc., has been contracted by the Air Force Civil Engineer Center (AFCEC) to conduct Operation and Maintenance (O&M) on the Soil Vapor Extraction (SVE) system associated with ST006 Building 101 Area of Concern (AOC) at the former Griffiss Air Force Base (AFB), Rome, New York. The work at this site is conducted in accordance with provisions of the Basic Contract FA8903-10-D-8595 and Delivery Order #0014.

1.1 Purpose

The SVE system was installed in 2013 based on the 2013 Site Closure Evaluation (CAPE/FPM, September 2013). The objective of the system is to eliminate the potential Soil Vapor Intrusion (SVI) and to achieve site closure with unrestricted use at the ST006 Building 101 AOC. This O&M report is prepared to document the O&M activities for the 4th Quarter of 2014 (October 2014 through December 2014). All activities were performed in accordance with the O&M Manual provided as Attachment 1 in the SVE System Installation and Start-up Completion Report (CAPE/FPM, March 2014). The Updated 2014 Uniform Federal Policy Quality Assurance Project Plan (UFP QAPP) for Performance Based-Remediation at the Former Griffiss AFB (CAPE/FPM, June 2014) and Updated 2014 Health and Safety Plan for Performance Based-Remediation at the Former Griffiss AFB (CAPE/FPM, June 2014) were also adhered to.

2 SITE INFORMATION

2.1 Site Location and History

The former Griffiss AFB, located in Oneida County in central New York State, covered approximately 3,552 contiguous acres in the lowlands of the Mohawk River Valley in the city of Rome. Topography within the valley is relatively flat, with elevations on the former Griffiss AFB ranging from 435 to 595 feet above mean sea level. Three Mile Creek, Six Mile Creek (both of which drain into the New York State Barge Canal, located to the south of the base), and several state-designated wetlands are located on the former Griffiss AFB, which is bordered by the Mohawk River on the west.

The ST006 Building 101 AOC is located south of Apron 3 in the central portion of the base along the northern margin of the industrial complex (Figure 1). It is bounded by Hangar Road to the south, Building 100 to the east, and Apron 4 parking area to the west. Building 101 operates as an aircraft maintenance hangar.

The ST006 Building 101 AOC consists of a former Battery Acid Disposal Pit (BADP) and a former Battery Acid Drainage Pit (BADrP) (Figure 2 and Figure 3). The former BADP was located in the central portion of the building in an area designated as the Lead Battery Room. The BADP was in use from the early 1940s until 1985, when it was excavated. The BADP consisted of a pit beneath the concrete floor measuring approximately 2 feet long by 2 feet wide by 10 feet deep and was covered with a steel grate. Acids from spent batteries were neutralized with baking soda and poured into the BADP, where the neutralized liquid was allowed to

percolate into the underlying soil. A 4-inch floor drain and overflow piping from the BADP ran west to the BADrP located beyond the west wall of the Lead Battery Room. The BADrP was approximately 17.5 feet long by 5.5 feet wide. Following removal of the BADP, a new 4-inch floor drain was installed at the former BADP location and piped to the BADrP. The BADrP was removed along with underlying soils in 1997. The former BADrP location was backfilled and sealed with concrete.

2.2 2006 and 2007 Soil Vapor Intrusion Evaluation

SVI sampling was conducted at the ST006 Building 101 AOC in fall 2006 and winter 2007. Soil vapor (exterior) and sub-slab vapor (interior) samples were collected in October 2006. The samples were collected and analyzed for volatile organic compounds (VOCs) using the United States Environmental Protection Agency (USEPA) Method TO-15. The second round of SVI sampling occurred in February 2007. Indoor and outdoor air samples were collected and also analyzed for VOCs using the USEPA Method TO-15. Results indicated that all soil vapor, indoor air, and outdoor air detections were below screening levels for industrial/commercial use (FPM, November 2007).

2.3 Record of Decision

The Final Record of Decision (Air Force, September 2012) identified that the majority of soil and groundwater contamination has been removed from the ST006 Building 101 AOC. The selected remedy is Land use Control/Institutional Controls in the form of land use restrictions limiting future use to industrial/commercial purposes and re-evaluation for SVI if new construction is performed in the SVI restriction area. The SVI restriction area is shown in Figure 3, as the former battery room (including BADP) and the former BADrP.

2.4 2013 Site Closure Evaluation and TCE Delineation Sampling

The 2013 site closure evaluation, performed in February and April 2013, included SVI sampling and identification of risk-based screening levels for a residential scenario (Table 1). A total of ten sub-slab vapor samples, two indoor air samples and one outdoor air sample were collected and analyzed for VOCs according to the USEPA Method TO-15. The sampling locations are illustrated in Figure 3-1 provided in the Final ST006 Building 101 AOC Site Closure Evaluation Report (CAPE/FPM, September 2013). Sub-slab trichloroethene (TCE) concentrations in the BADP (101SS-09, -10, -11, -12, and -13) ranged from non-detect to 200 micrograms per cubic meter ($\mu g/m^3$). Sub-slab TCE concentrations in the BADrP (101SS-04, -05, -06, -07, and -08) ranged from 950 $\mu g/m^3$ to 1,800 $\mu g/m^3$. The residential sub-slab screening level for TCE is 70 $\mu g/m^3$. Risk-based screening levels for a residential scenario were developed (Table 1). The development of the sub-slab vapor screening levels is also included in the Site Closure Evaluation Report.

Four additional sub-slab samples west and northwest of the area were collected in July 2013 to delineate the TCE contamination and to ensure that the source emanates from the former BADrP. All samples were analyzed for VOCs using the USEPA Method TO-15. The results confirmed that the TCE source is at the former BADrP (CAPE/FPM, March 2014).

2.5 SVE System Installation

Results from the 2013 site closure evaluation showed a potential for unacceptable risk, primarily due to TCE, existing for indoor air inhalation resulting from SVI under a residential scenario (CAPE/FPM, September 2013). To remediate this unacceptable risk, an SVE system was installed on October 7, 2013. The SVE system is composed of one vertical well with a total combined screen length of 5 feet (3 to 8 feet below grade surface [bgs]), one vacuum pump capable of a flow rate of 20 actual cubic feet per minute (acfm), a vapor treatment system, and three vapor monitoring points (VMPs). Extracted soil vapor is treated using two 200-pound granular activated carbon (GAC) drums. The calculated lifespan of the GAC system is approximately 132 days (FPM, September 2013). GAC lifespan was based on expected influent concentrations (the sum of sub-slab vapor samples collected in February 2013), flow rate of the SVE system, and GAC adsorption capacity. The GAC lifespan calculation is provided in Appendix A. The VMPs were also installed on October 7, 2013 and are positioned 10 feet, 20 feet, and 30 feet away from the extraction well to collect performance monitoring data. The SVE system layout is illustrated in Figure 3. Figure 4 provides an illustration of the SVE system schematic and extraction well cross section.

The baseline sampling event was conducted on October 17, 2013 and October 22, 2013 and consisted of sub-slab vapor, indoor air, and outdoor air sampling. All samples were analyzed for VOCs using the USEPA Method TO-15. An influent sample was also collected following system start-up on October 22, 2013. That sample was collected from a sampling port on the exhaust stack prior to the vapor treatment system. Results showed TCE concentrations above the sub-slab vapor screening level of 70 µg/m^3 at all three VMPs. The concentrations ranged from 76 µg/m^3 to 540 µg/m^3. Exceedances reported in the indoor air or outdoor air samples are attributed to chemicals currently used in the building to perform maintenance, including repair and overhaul of airplanes. Sub-slab vapor results are presented in Table 2, Indoor and Outdoor Air results are presented in Table 3, and the Influent sample results are presented in Table 4.

2.6 SVE System Operation and Maintenance

O&M includes weekly system component readings (system temperature, flow, vacuum and motor status), knock-out tank inspections, quarterly VMP vacuum measurements, and GAC disposal and replacement every four months. In addition, indoor and outdoor air sampling, sub-slab vapor sampling, and influent sampling are conducted quarterly at locations illustrated in Figure 3. Table 5 includes the SVE System O&M schedule and rationale. The following section describes the O&M activities performed post SVE system installation. All O&M sub-slab vapor, indoor and outdoor air, and influent air results discussed below are presented in Table 2, Table 3, and Table 4, respectively.

2.6.1 4th Quarter / Calendar Year 2013 (October - December)

The SVE System was installed at ST006 Building 101 AOC during this quarter followed by approximately two months of operation. System flow rates ranged from 16 acfm to 17.83 acfm and the vacuum readings ranged from 8 to 10 inches of water column (inch w.g.) during this

quarter. An influent sample was collected during system startup. The TCE concentration in the influent sample was 100 µg/m^3.

2.6.2 1st Quarter / Calendar Year 2014 (January - March)

System flow rates ranged from 14.8 acfm to 18.73 acfm and the vacuum readings ranged from 8 to 10 inch w.g. during this quarter. Sub-slab VMP vacuum readings ranged from 0.075 to 0.09 inch w.g. at 101VMP-2 and from 0.005 to 0.01 inch w.g. at 101VMP-3.

The system was found not to be operating upon arrival for a system check in January 2014. The shutdown was a result of a facility employee tampering with the system shutdown button (unknown individual). Therefore, a lock was placed on the system shutdown button the following day. In addition to the weekly inspections (conducted every Thursday), a weekly system check on Tuesdays has been implemented starting January 2014. Field notes are only recorded during the Tuesday system checks if operation issues are observed. No additional system shut downs or O&M activities were conducted during this quarter. Also, no water was observed in the knock-out tank.

The two 200-pound GAC drums for the vapor treatment system were replaced on March 4, 2014. The waste inventory tracking sheet is provided in Appendix A.

2.6.2.1 Soil Vapor Monitoring

Sub-slab vapor, indoor and outdoor air sampling occurred on January 29, 2014. TCE was not detected in the indoor air samples. The outdoor air sample had a detection of 1.1 µg/m^3. The sub-slab TCE concentrations were as follows:

- 101VMP-1 – 17 µg/m^3
- 101VMP-2 – 18 J µg/m^3 (J - The analyte was positively identified; the quantitation is an estimation).
- 101VMP-3 – 36 µg/m^3

All of the sub-slab results were below vapor screening levels for a residential use scenario.

Influent sampling occurred on January 28, 2014, prior to sub-slab vapor sampling to determine effective SVE. The influent sampling location was installed on the SVE system's exhaust stack before carbon treatment. The TCE concentration detected in the influent sample was 32 µg/m^3.

2.6.3 2nd Quarter / Calendar Year 2014 (April - June)

System flow rates ranged from 16.88 acfm to 18.72 acfm and the vacuum readings ranged from 9 to 10 inch w.g. during this quarter. Additional sub-slab vacuum readings were collected at 101VMP-2 and -3 nine times. Readings were collected once at 101VMP-1 as it is located in a restricted access area. The vacuum reading was 0.015 inch w.g at 101VMP-1, and the vacuum readings ranged from 0.075 to 0.15 inch w.g. at 101VMP-2 and from 0.01 to 0.02 inch w.g. at 101VMP-3.

The two 200-pound GAC drums for the vapor treatment system were not replaced this quarter based on a 4 month replacement schedule.

2.6.3.1 Soil Vapor Monitoring

Sub-slab vapor, indoor and outdoor air sampling occurred on April 16, 2014. TCE was not detected in the indoor or outdoor air samples. The sub-slab TCE concentrations were as follows:

- 101VMP-1 – 18 µg/m^3
- 101VMP-2 – 130 µg/m^3
- 101VMP-3 – 50 µg/m^3

The sub-slab TCE concentration in 101VMP-2 was above vapor screening levels for a residential use scenario. All other sub-slab vapor results were below vapor screening levels for a residential use scenario.

Influent sampling occurred on April 15, 2014 prior to sub-slab vapor sampling to determine effective SVE. The influent sampling location was installed on the SVE system's exhaust stack before carbon treatment. The TCE concentration detected in the influent sample was 45 µg/m^3.

2.6.4 3rd Quarter / Calendar Year 2014 (July - September)

System flow rates ranged from 12.42 acfm to 19.32 acfm and the vacuum readings ranged from 9 to 10 inch w.g. during this quarter. Additional sub-slab vacuum readings were collected at all three VMPs. The vacuum reading was measured at 0.02 inch w.g at 101VMP-1, and the readings ranged from 0.08 to 0.10 inch w.g. at 101VMP-2 and from 0 to 0.02 inch w.g. at 101VMP-3.

The two 200-pound GAC drums for the vapor treatment system were replaced on July 3, 2014. The waste inventory tracking sheet is provided in Appendix A.

2.6.4.1 Soil Vapor Monitoring

Sub-slab vapor, indoor and outdoor air sampling occurred on July 16, 2014. TCE was not detected in the indoor or outdoor air samples. The sub-slab TCE concentrations were as follows:

- 101VMP-1 – 8.4 µg/m^3

- 101VMP-2 – 180 µg/m^3
- 101VMP-3 – 54 µg/m^3

The sub-slab TCE concentration in 101VMP-2 was above vapor screening levels for a residential use scenario. All other sub-slab vapor results were below vapor screening levels for a residential use scenario.

Influent sampling occurred on July 1, 2014 prior to sub-slab vapor sampling to determine effective SVE. The influent sampling location was installed on the SVE system's exhaust stack before carbon treatment. The TCE concentration detected in the influent sample was 49 µg/m^3. In addition, an effluent sample was also collected on July 1, 2014 to verify the previously calculated GAC system lifespan. The TCE concentration was 4.9 µg/m^3. This detection indicates a slight TCE breakthrough due to decreased adsorption capacity in the GAC after four months.

2.6.5 4th Quarter / Calendar Year 2014 (October - December)

System flow rates ranged from 16.77 acfm to 17.66 acfm and the vacuum readings ranged from 9 to 10 inch w.g. during this quarter. The vacuum readings and system flow rates collected in previous three quarters and this quarter are illustrated on Figure 5 and Figure 6, respectively. Additional sub-slab vacuum readings were collected at all three VMPs. The vacuum reading was measured at 0.01 inch w.g at 101VMP-1, and the readings ranged from 0.08 to 0.095 inch w.g. at 101VMP-2 and from 0.005 to 0.01 inch w.g. at 101VMP-3. The vacuum readings are provided in Table 6. The O&M field forms are presented in Appendix B.

The two 200-pound GAC drums for the vapor treatment system were replaced on December 18, 2014. The waste inventory tracking sheet is provided in Appendix A.

2.6.5.1 Soil Vapor Monitoring

Sub-slab vapor, indoor and outdoor air sampling occurred on October 15, 2014. All Daily Chemical Quality Controls Reports completed during this event are provided in Appendix C. TCE was not detected in the indoor or outdoor air samples. The sub-slab TCE concentrations were as follows:

- 101VMP-1 – 20 µg/m^3
- 101VMP-2 – 130 µg/m^3
- 101VMP-3 – 39 µg/m^3

The sub-slab TCE concentration in 101VMP-2 was above vapor screening levels for a residential use scenario. All other sub-slab vapor results were below vapor screening levels for a residential use scenario. Figure 7 shows the sub-slab TCE vapor trend chart. Figure 8 illustrates the TCE concentrations and associated VMPs. All raw lab data and validated lab data are provided in Appendix D and Appendix E, respectively. Based on the evaluation of all information in the analytical data groups, the results have been verified to be 100% usable. Sub-slab vapor sample

results are presented in Table 2 and Indoor and Outdoor Air sample results are presented in Table 3.

Influent sampling occurred on October 15, 2014 prior to sub-slab vapor sampling to determine effective SVE. The influent sampling location was installed on the SVE system's exhaust stack before carbon treatment. The TCE concentration detected in the influent sample was 53 µg/m^3. The influent sampling results are also presented in Table 4.

3 CONCLUSIONS

O&M activities conducted during this period of performance for the ST006 Building 101 AOC SVE system included weekly system component readings (system temperature, flow, vacuum, motor status, and knock-out tank inspection) and quarterly sub-slab vapor vacuum readings and sub-slab vapor, indoor air, outdoor air, and influent sampling. Vacuum readings collected during this quarter show that influence from the system is still present up to 30-ft from the extraction well. The highest vacuum readings collected during O&M activities for each quarter are also included in Figure 8. The 4Q/2014 sub-slab vapor sampling results indicated an increase in TCE concentration compared to the baseline sampling event at location 101VMP-02. Based on the original delineation of the site, this location is next to the highest concentrations of residual sub-slab vapor. During SVE system operation, the sub-slab vapor migrates towards the extraction well and therefore pockets of higher concentrations are being pulled past 101VMP-02. Once all residual sub-slab vapors have been extracted, it is expected for the sub-slab vapor concentrations in 101VMP-02 to decrease. Also, the TCE concentration detected in 101VMP-02 during the 4Q/2014 sampling event was above the sub-slab vapor screening level for a residential use scenario. The sampling results from 101VMP-1 and -3 were below screening levels. TCE was not detected in the indoor or outdoor air samples.

Contaminant mass removal has been estimated using the baseline and O&M influent air sampling results. An estimated 181 grams of VOCs have been extracted and treated from the sub-slab at the ST006 Building 101 AOC. The table including the influent concentrations, average flow rate and influent mass removal on a per day basis is provided in Appendix F.

4 RECOMMENDATIONS

Continued operation of the SVE system is recommended. The system has been in operation since October 2013. System shut-down and rebound will be evaluated if the January 2015 (1Q/2015) sampling results show that all TCE concentrations are below sub-slab screening levels.

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5 REFERENCES

Air Force, Final Building 101 Area of Concern (ST006) Record of Decision, September 2012.

CAPE/FPM/AECOM, Final Updated 2014 Update Health and Safety Plan for Performance Based-Remediation at the former Griffiss AFB, New York, June 2014.

CAPE/FPM, Final Soil Vapor Intrusion Evaluation for Building 101 AOC at the former Griffiss AFB, New York, September 2013.

CAPE/FPM, Installation and Start-up Completion and 4Q/2013 O&M Report for the SVE System at ST006 Building 101 AOC at the former Griffiss AFB, New York, March 2014.

CAPE/FPM, 2014 Updated Final Uniform Federal Policy Quality Assurance Project Plan for Performance Based-Remediation at the former Griffiss AFB, New York, June 2014.

FPM Group Ltd., Draft Report, Soil Vapor Intrusion Sampling, Building 101, former Griffiss Air Force Base, Rome, New York, Revision 0.0, November 2007.

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Tables

Table 1
ST006 Building 101 AOC
Sub-Slab Vapor Screening Levels

Contaminant of Concern	Residential Air RSL ($\mu g/m^3$)[a] TR = 1E-05	Residential Sub-Slab Vapor Screening Level ($\mu g/m^3$) EPA Recommended Value ($AF_{s/ia}$ = 0.03)
1,1,1-Trichloroethane	5,200 (n)	173,333
1,2,4-Trichlorobenzene	2.1 (n)	70
1,2,4-Trimethylbenzene	7.3 (n)	243.3
1,2-Dichlorobenzene	210 (n)	7,000
1,2-Dichloroethane	0.94 (c)	31.33
1,3,5-Trimethylbenzene	NA	NA
1,4-Dichlorobenzene	2.2 (c)	73.33
2,2,4-Trimethylpentane	NA	NA
4-Ethyltoluene	NA	NA
4-Isopropyltoluene	NA	NA
Acetone	32,000 (n)	1,066,667
Benzene	3.1 (c)	103.33
Carbon disulfide	730 (n)	24,333
Carbon tetrachloride	4.1 (c)	136.67
Chloroform	1.1 (c)	36.67
Chloromethane	94 (n)	3,133
Cis-1,2-Dichloroethene	NA	NA
Cumene (isopropylbenzene)	420 (n)	14,000
Cyclohexane	6,300 (n)	210,000
Dichlorodifluoromethane	100 (n)	3,333
Ethylbenzene	9.7 (c)	323.33
Freon 22 (Chlorodifluoromethane)	52,000 (n)	1,733,333
Freon TF (Trichlorotrifluoroethane)	31,000 (n)	1,033,333
Isopropyl alcohol (isopropanol)	7,300 (n)	243,333
m,p-Xylene	100 (n)	3,333
Methyl Butyl Ketone (2-Hexanone)	31 (n)	1,033
Methyl Ethyl Ketone	5,200 (n)	173,333
methyl isobutyl ketone	3,100 (n)	103,333
Methyl tert-butyl ether	110 (c)	3,666.67
Methylene Chloride	63 (n)	2,100
Naphthalene	0.72 (c)	24
n-Butane	NA	NA
n-Heptane	NA	NA
n-Hexane	730 (n)	24,333
n-Propylbenzene	1000 (n)	33,333
Styrene	1000 (n)	33,333
tert-Butyl alcohol	NA	NA
Tetrachloroethene	42 (n)	1,400
Tetrahydrofuran	2,100 (n)	70,000
Toluene	5,200 (n)	173,333
Trans-1,2-Dichloroethene	63 (n)	2,100
Trichloroethene	2.1 (n)	70
Trichlorofluoromethane	730 (n)	24,333
Xylene, o-	100 (n)	3,333

Notes:

Sub-slab vapor screening levels were derived from the EPA risk-based indoor air concentrations (EPA, November 2012) using a sub-slab vapor-to-indoor air attenuation factor ($AF_{s/ia}$)

$AF_{s/ia}$- Sub-slab vapor to indoor air attenuation factor = Concentration in Indoor Air/Concentration in Sub-Slab Vapor

NA- not available

TR- Target Risk

a- Residential RSL is the smaller (most protective) of the values calculated for the cancer or non-cancer endpoint at a target cancer risk of 1E-05 and a target hazard quotient of 1. RSLs corresponding to the noted cancer risk are indicated by (c). RSLs corresponding to a hazard index of 1 are indicated by (n).

$\mu g/m^3$ - microgram per cubic meter.

Table 2
ST006 Building 101 AOC
SVE System Performance Monitoring Sub-slab Vapor Results

Sample Location				101VMP-01					101VMP-02		
Sample ID	**Sub-Slab Vapor Screening Level (Residential) ($\mu g/m^3$)**	**101VMP0101AA**	**101VMP0101BA**	**101VMP0101CA**	**101VMP0101DA**	**101VMP0101EA**	**101VMP0201AA**	**101VMP0201BA**	**101VMP0201CA**	**101VMP0201DA**	**101VMP0201EA**
Sample Type		**Sub-slab**	**Sub-slab**	**Sub-slab**	**Sub-slab**	**Sub-slab**	**Sub-slab**	**Sub-slab**	**Sub-slab**	**Sub-slab**	**Sub-slab**
Sample Date		**22-Oct-2013**	**29-Jan-2014**	**16-Apr-2014**	**16-Jul-2014**	**15-Oct-2014**	**22-Oct-2013**	**29-Jan-2014**	**16-Apr-2014**	**16-Jul-2014**	**15-Oct-2014**
Sample Depth (ft bgs / ags)		**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)		**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**
Volatiles (TO-15) in $\mu g/m^3$											
1,1,1-Trichloroethane	173,333	3.9 J	U	U	U	1 J	U	U	U	U	U
1,1,2,2-Tetrachloroethane	16	U	U	U	6.8	U	U	U	U	U	U
1,2,4-Trichlorobenzene	70	U	U	1.7 J	0.31 J♦	U	U	U	U	U	U
1,2,4-Trimethylbenzene	243.3	15	4.5 ♦	4.9	4.7 ♦	4.7	12	5.1 J	24	11	68
1,2-Dichlorobenzene	NA	U	U	U	U	U	U	U	8	U	U
1,3,5-Trimethylbenzene	NA	4.3	1.3 J	1.5 J	1.4 ♦	1.5 J	3.6 J	12 J	11	6.9 J	39
1,3-Butadiene	NA	U	U	U	U	U	U	U	U	U	U
1,3-Dichlorobenzene	NA	280	38 ♦	27	16 ♦	6.7 ♦	130	26	U	U	U
1,4-Dichlorobenzene	NA	U	U	U	U	U	U	U	U	U	U
2,2,4-Trimethylpentane	NA	7.6	U	2.5 J	1.2 ♦	0.7 J ♦	10	U	2.7 M	U	U
4-Ethyltoluene	NA	5.3	1.5 J	1.5 J♦	1.4 ♦	1.6 J	4.3 J	4.1 J	8.8	6.2 J	26
4-Isopropyltoluene	NA	1.4 J	U	U	0.47 J♦	1.9 J	U	U	2.3 J	U	U
Acetone	1,066,667	350	320 ♦	280 ♦	22	150	3,100 J	760	98	58 J	51 J
Benzene	103.33	15	1.3 J♦	1.2 J	1.2 ♦	0.89 J	22	7.3 J	2.7	2.9 J	8.2
Bromoethene(Vinyl Bromide)	NA	U	U	U	U	U	U	U	U	U	U
Bromoform	NA	UQ	U	U	0.11 J♦	U	UQ	U	U	U	U
Carbon disulfide	24,333	23	U	1.3 J♦	2.2	2.9 J	110	28	20	9.6 J	14 J
Carbon tetrachloride	136.67	1.2 J	U	0.68 J	0.67 J♦	0.74 J	U	U	0.51	U	U
Chlorobenzene	NA	U	U	U	0.61 J♦	0.94 J	U	U	U	U	U
Chloroform	36.67	24	18♦	14	12 ♦	25.0	21	U	0.65 JM	U	U
Chloromethane	3,133	0.78 J	U	U	0.42 J	U	2.1 J	U	U	U	U
Cumene (isopropylbenzene)	14,000	2.1 J	0.65J	0.81 J	0.65 J♦	0.61 J	U	U	U	U	U
Cyclohexane	210,000	39	3.1 ♦	U	2.5 ♦	1.5 J ♦	54	U	U	U	U
Dichlorodifluoromethane	3,333	3.6 J	3 J♦	3.7 J♦	2.5 ♦	2.3 J	3.9 J	U	3.1 J	3.2 J	U
Ethylbenzene	323.3	24	4.2 ♦	3.0 J	4.9 ♦	4.7	19	140	190	210	910
Freon 22 (chlorodifluoromethane)	1,733,333	4.5 J	U	1.9 JM	1.1 J♦	1.5 J ♦	3.6 J	U	2.2 J	3.5 J	3.4 J
Freon TF (trichlorotrifluoroethane)	1,033,333	2.9 J	U	U	0.72 J♦	U	U	U	U	U	U
Hexachlorobutadiene	NA	U	U	U	0.35 J♦	U	U	U	U	U	U
Isopropyl alcohol	243,333	6,900 J	130 ♦	46 J	33	49 ♦	14,000 J	160 J	38	U	8.8 J
m,p-Xylene	3,333	94	13	9.3	16 ♦	1.5 J	73	470	640	720	2,800
Methyl Butyl Ketone (2-Hexanone)	1,033	U	U	U	0.95 J	U	U	U	U	U	U
Methyl Ethyl Ketone	173,333	700 J	39♦	48 ♦	16	22 ♦	2,400 J	1,200	140	160	U
methyl isobutyl ketone	103,333	U	2.2 J♦	5.2 J♦	1.5 J♦	U	U	5.4 J	7.4	3.2 J	U
Methyl methacrylate	NA	U	1 J	2.2 J	1.8 J♦	1.5 J	U	U	0.55 J	U	U
Methyl tert-butyl ether	NA	U	U	1.9 J	0.74 ♦	0.49 J ♦	U	U	U	U	U
Methylene Chloride	2,100	3.1 J	2 J♦	U	1.2 J	U	4.1 J	7.9 J	U	U	U
Naphthalene	24	U	U	U	1.4 J♦	U	U	U	U	U	U
n-Butane	NA	16	8.4 ♦	13	0.67 J♦	U	22	U	U	U	U
n-Butylbenzene	NA	U	U	U	U	U	U	U	U	U	U
n-Heptane	NA	16	3.3 M♦	U	U	U	19	U	U	U	U
n-Hexane	24,333	34	1.7 JM♦	2.7 J	1.0 ♦	1.7 J	53	U	U	U	U
n-Propylbenzene	33,333	3.4 J	U	U	1.0 ♦	0.99 J	2.7 J	U	U	U	U
sec-Butylbenzene	NA	U	U	U	U	U	U	U	U	U	U
Styrene	33,333	2.4 J	3.8	4.1	2.9 ♦	2 J	1.8 J	5.2 J	U	5.5 J	22
tert-Butyl alcohol	NA	U	9.7 J	21 J	7.3 J♦	5.2 J ♦	U	U	U	U	U
Tetrachloroethene	1,400	2.2 J	U	U	0.83 J♦	0.85 J	U	U	4.0 M	12	10 J
Tetrahydrofuran	70,000	3,100 J	43 J ♦	49 J♦	17 ♦	28 J ♦	10,000 J	2,000	210	660	700
Toluene	173,333	300	21	17	14 ♦	44	240	170	140	120	540
trans-1,2-Dichloroethene	2,100	1.4 J	U	U	U	U	U	U	U	U	U
Trichloroethene	70	540	17 ♦	18 ♦	8.4 ♦	20	82	18 J	130	180	130
Trichlorofluoromethane	24,333	9.9	5.2 ♦	3.6 J♦	2.0 ♦	2.4 J	7.7 J	4.8 J	3.4	4.9 J	6 J
Xylene, o-	3,333	27	4.5	3.4 J	4.7 ♦	4.9	20	130	220	200	1,100

Notes:

Exceedance of screening level.

♦-Denotes higher nominal value of duplicate sample result.
J- The analyte was positively identified; the quantitation is an estimation.
B- The result for the analyte was detected in the trip blank.
M - A matrix effect was present.
U- Undetected at the Limit of Detection.
NA- not available
µg/m˙- microgram per cubic meter.

Table 2
ST006 Building 101 AOC
SVE System Performance Monitoring Sub-slab Vapor Results

Sample Location				101VMP-03		
Sample ID	**Sub-Slab Vapor Screening Level (Residential) (µg/m^3)**	**101VMP0301AA**	**101VMP0301BA**	**101VMP0301CA**	**101VMP0301DA**	**101VMP0301EA**
Sample Type		**Sub-slab**	**Sub-slab**	**Sub-slab**	**Sub-slab**	**Sub-slab**
Sample Date		**22-Oct-2013**	**29-Jan-2014**	**16-Apr-2014**	**16-Jul-2014**	**15-Oct-2014**
Sample Depth (ft bgs / ags)		**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)		**0.5**	**0.5**	**0.5**	**0.5**	**0.5**
Volatiles (TO-15) in µg/m^3						
1,1,1-Trichloroethane	173,333	U	U	U	U	U
1,1,2,2-Tetrachloroethane	16	U	U	U	U	U
1,2,4-Trichlorobenzene	70	U	U	U	U	U
1,2,4-Trimethylbenzene	243.3	11 J♦	8.5 J	1.1 J	6.4 J	5 J
1,2-Dichlorobenzene	NA	U	U	U	U	U
1,3,5-Trimethylbenzene	NA	U	U	U	U	U
1,3-Butadiene	NA	U	U	U	U	U
1,3-Dichlorobenzene	NA	170 ♦	15 J	1.9 J	2.1 J	U
1,4-Dichlorobenzene	NA	U	U	U	U	U
2,2,4-Trimethylpentane	NA	U	U	U	U	U
4-Ethyltoluene	NA	U	U	U	U	U
4-Isopropyltoluene	NA	U	U	U	U	U
Acetone	1,066,667	640 ♦	700	310	490	330
Benzene	103.33	23 J♦	U	U	2.4 J	U
Bromoethene(Vinyl Bromide)	NA	U	U	U	U	U
Bromoform	NA	UQ	U	U	U	U
Carbon disulfide	24,333	110	7 J	U	32 J	7.1 J
Carbon tetrachloride	136.67	U	U	U	U	U
Chlorobenzene	NA	U	U	U	U	U
Chloroform	36.67	U	U	U	U	U
Chloromethane	3,133	U	U	U	U	U
Cumene (isopropylbenzene)	14,000	U	U	U	U	U
Cyclohexane	210,000	29 ♦	U	U	U	U
Dichlorodifluoromethane	3,333	U	U	U	U	U
Ethylbenzene	323.3	29 J♦	24 J	9.9 J	31	31
Freon 22 (chlorodifluoromethane)	1,733,333	U	U	U	4.1 J	U
Freon TF (trichlorotrifluoroethane)	1,033,333	U	U	U	U	U
Hexachlorobutadiene	NA	U	U	U	U	U
Isopropyl alcohol	243,333	13,000 J♦	U	22 J	U	21 J
m,p-Xylene	3,333	95 ♦	92	33 J	130	130
Methyl Butyl Ketone (2-Hexanone)	1,033	U	U	U	U	U
Methyl Ethyl Ketone	173,333	1,100 ♦	1,300	540	770	540
methyl isobutyl ketone	103,333	U	400	230	660	500
Methyl methacrylate	NA	U	U	U	U	U
Methyl tert-butyl ether	NA	U	U	U	U	U
Methylene Chloride	2,100	36 J♦	U	U	U	U
Naphthalene	24	U	U	U	U	U
n-Butane	NA	11 J♦	U	U	U	U
n-Butylbenzene	NA	U	U	U	U	U
n-Heptane	NA	12 J♦	U	U	U	U
n-Hexane	24,333	24 J♦	U	U	U	U
n-Propylbenzene	33,333	U	U	U	U	U
sec-Butylbenzene	NA	U	U	U	U	U
Styrene	33,333	U	8.7 J	U	13 J	19 J
tert-Butyl alcohol	NA	13 J♦	U	U	U	U
Tetrachloroethene	1,400	32 J♦	23 J	29	31 J	27 J
Tetrahydrofuran	70,000	25,000 J	3,500 J	1,300	2,300	1,900
Toluene	173,333	3,900 ♦	1,100	500	1,400	1,500
trans-1,2-Dichloroethene	2,100	U	U	U	U	U
Trichloroethene	70	76 ♦	36	50	54	39
Trichlorofluoromethane	24,333	U	U	3.4 J	U	U
Xylene, o-	3,333	27 J♦	37	10 J	44	48

Notes:

Exceedance of screening level.

♦-Denotes higher nominal value of duplicate sample result.
J- The analyte was positively identified; the quantitation is an e
B- The result for the analyte was detected in the trip blank.
M - A matrix effect was present.
U- Undetected at the Limit of Detection.
NA- not available
µg/m´- microgram per cubic meter.

Table 3
ST006 Building 101 AOC
SVE System Performance Monitoring Indoor and Outdoor Air Results

Sample Location				101IA-03					101IA-04		
Sample ID	**Indoor Air Screening Level (Residential) ($\mu g/m^3$)**	**101IA0305AA**	**101IA0305AA**	**101IA0305CA**	**101IA0305DA**	**101IA0305EA**	**101IA0405AA**	**101IA0405AA**	**101IA0405CA**	**101IA0405DA**	**101IA0405EA**
Sample Type		**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**
Sample Date		**22-Oct-2013**	**29-Jan-2014**	**15-Apr-2014**	**16-Jul-2014**	**15-Oct-2014**	**22-Oct-2013**	**29-Jan-2014**	**15-Apr-2014**	**16-Jul-2014**	**15-Oct-2014**
Sample Depth (ft bgs / ags)		**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**
Sample Collection Duration (hr)		**24**	**24**	**24**	**24**	**24**	**24**	**24**	**24**	**24**	**24**
Volatiles (TO-15) in $\mu g/m^3$											
1,1,1-Trichloroethane	5,200	U	U	U	U	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	0.048	U	U	U	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	2.1	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	7.3	23	3.6 J	3.5 J	0.48 J	2.1	6.4	2 J	3.9 J	3.1	1.7 J
1,2-Dichlorobenzene	NA	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	NA	6.9	U	1.3 J	0.15 J	0.34 J	2	U	1.6 J	1	0.51 J
1,3-Butadiene	NA	0.26 J	U	U	U	U	0.15 J	U	U	0.12 J	U
1,3-Dichlorobenzene	NA	U	U	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	NA	U	U	U	U	U	U	U	U	0.11 J	U
1,4-Dioxane	NA	U	U	U	U	3.7 J	U	U	U	U	U
2,2,4-Trimethylpentane	NA	2.3	U	5.9	0.78 J	0.85 J	0.9 J	U	6.9	1.2	0.87 J
4-Ethyltoluene	NA	6.1	U	0.80 J	1.2	0.5 J	1.6	U	1.4 J	2.2	0.52 J
4-Isopropyltoluene	NA	0.61 J	U	U	U	U	U	U	U	0.45 J	U
Acetone	32,000	470 J	570	300	34	19	260 J	330	320	39	100
Benzene	0.31	1.9	1.6 J	1.2 J	1.1	0.31 J	0.97	1.3 J	1.2 J	1.7	0.86 J
Bromoethene(Vinyl Bromide)	NA	U	U	U	U	U	U	U	U	0.12 J	U
Bromoform	NA	U	U	U	U	U	U	U	U	U	U
Carbon disulfide	730	2.7	U	U	4.6	1.9 J	U	U	U	U	13
Carbon tetrachloride	0.41	0.6 J	U	U	0.45 J	0.47 J	0.52 J	U	U	0.57 J	0.36 J
Chlorobenzene	NA	U	U	U	U	U	U	U	U	U	1.1 J
Chloroform	0.11	0.38 J	U	U	U	U	0.22 J	U	U	U	U
Chloromethane	94	1.1	2.2 J	U	1.2	1.3 J	1.1	2 J	U	1.3	1.2 J
Cumene (isopropylbenzene)	420	0.56 J	U	U	0.41 J	0.32 J	0.2 J	U	U	0.8 J	U
Cyclohexane	6,300	1.8	U	U	1.7	U	0.7	U	U	3	0.84 J
Dichlorodifluoromethane	100	2.9	3 J	3.5 J	2.5	2.4 J	2.6	3.2 J	3.9 J	2.9	2.1 J
Ethylbenzene	0.97	2.5	2.4 J	2.0 J	2.5	0.48 J	1.3	1.4 J	2.4 J	4.6	2.8
Freon 22 (chlorodifluoromethane)	52,000	3.6	U	1.5 J	1.3 J	0.89 J	2.2	U	2.0 J	1.3 J	0.96 J
Freon TF (trichlorotrifluoroethane)	31,000	0.67 J	U	U	0.65 J	0.64 J	0.6 J	U	U	0.7 J	0.61 J
Hexachlorobutadiene	NA	U	U	U	U	U	U	U	U	U	U
Isopropyl alcohol	7,300	80	91	180	30	U	50	58	190	49	37
m,p-Xylene	100	9.3	7.8 J	7.2 J	7.1	2 J	5.3	4.6 J	8.9 J	14	7.9
Methyl Butyl Ketone (2-Hexanone)	31	0.37 J	U	U	U	1.1 J	0.26 J	U	U	U	U
Methyl Ethyl Ketone	5,200	23	12	18	3.4	4.4	16	7.9	20	2.9	3.3
methyl isobutyl ketone	3,100	5.2	2.8 J	2.6 J	0.44 J	U	3.7	2.4 J	4.8 J	1.4 J	2.1
Methyl methacrylate	NA	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	NA	U	U	U	U	U	U	U	U	U	U
Methylene Chloride	96	1.5 J	3.7 J	U	0.67 J	0.63 J	1.3 J	2.4 J	U	0.68 J	0.74 J
Naphthalene	0.072	1 J	U	U	U	1.8 J	U	U	U	U	U
n-Butane	NA	11	15	20	3.2	U	5.1	10	22	4.3	1.5
n-Butylbenzene	NA	U	U	U	U	U	U	U	U	0.79 J	U
n-Heptane	NA	2.4	U	U	6.8	U	0.96	1.2 J	U	11	U
n-Hexane	730	3.5	2.4 J	2.8 J	2.5	0.42 J	1.4	1.5 J	3.0 J	3.5	0.76
n-Propylbenzene	1,000	3.6	U	U	0.83 J	0.93 J	1	U	U	1.7	U
sec-Butylbenzene	NA	0.56 J	U	U	U	U	U	U	U	0.54 J	U
Styrene	1,000	0.51 J	U	U	U	0.11 J	0.23 J	U	U	U	U
tert-Butyl alcohol	NA	1.3 J	U	U	U	U	1.2 J	U	U	U	U
Tetrachloroethene	9.4	U	U	U	1.3 J	0.33 J	U	U	U	U	U
Tetrahydrofuran	2,100	6.4 J	U	U	U	U	11 J	U	U	U	1 J
Toluene	5,200	34	19	36	7	6.5	19	12	42	13	24
trans-1,2-Dichloroethene	63	U	U	U	U	U	U	U	U	U	U
Trichloroethene	0.43	0.37 J	U	U	U	U	U	U	U	U	U
Trichlorofluoromethane	730	12.0	5.8 J	3.7 J	1.5	1.4 J	5.7	3.8 J	4.3 J	1.8	1.8
Xylene, o-	100	3.2	2.6 J	2.5 J	2.5	0.7 J	2.1	1.6 J	3.1 J	5.2	2.2

Notes:

Exceedance of screening level.

♦-Denotes higher nominal value of duplicate sample result.
J- The analyte was positively identified; the quantitation is an estimation.
B- The result for the analyte was detected in the trip blank.
M - A matrix effect was present.
U- Undetected at the Limit of Detection.
NA- not available
µg/m˙- microgram per cubic meter.

Table 3
ST006 Building 101 AOC
SVE System Performance Monitoring Indoor and Outdoor Air Results

Sample Location				101OA-03		
Sample ID	**Indoor Air Screening Level (Residential) ($\mu g/m^3$)**	**101OA0305AA**	**101OA0305AA**	**101OA0305CA**	**101OA0305DA**	**101OA0305EA**
Sample Type		**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**
Sample Date		**22-Oct-2013**	**29-Jan-2014**	**17-Apr-2014**	**16-Jul-2014**	**15-Oct-2014**
Sample Depth (ft bgs / ags)		**5**	**5**	**5**	**5**	**5**
Sample Collection Duration (hr)		**24**	**24**	**24**	**24**	**24**
Volatiles (TO-15) in $\mu g/m^3$						
1,1,1-Trichloroethane	5,200	U	U	U	U	U
1,1,2,2-Tetrachloroethane	0.048	U	U	U	U	U
1,2,4-Trichlorobenzene	2.1	U	U	U	U	U
1,2,4-Trimethylbenzene	7.3	U	U	0.43 J	6.8	2.1
1,2-Dichlorobenzene	NA	U	U	U	U	U
1,3,5-Trimethylbenzene	NA	U	U	0.20 J	2.2	0.31 J
1,3-Butadiene	NA	U	U	U	U	U
1,3-Dichlorobenzene	NA	U	U	U	U	U
1,4-Dichlorobenzene	NA	U	U	U	U	U
1,4-Dioxane	NA	U	U	U	U	3.7 J
2,2,4-Trimethylpentane	NA	U	U	0.23 J	U	0.85 J
4-Ethyltoluene	NA	U	U	0.18 J	0.17 J	0.5 J
4-Isopropyltoluene	NA	U	U	U	U	U
Acetone	32,000	8.3 J	6.7 J	9.3 J	15	19
Benzene	0.31	0.25 J	0.67	0.3 J	0.17 J	0.31 J
Bromoethene(Vinyl Bromide)	NA	U	U	U	U	U
Bromoform	NA	U	U	U	U	U
Carbon disulfide	730	U	U	U	U	1.9 J
Carbon tetrachloride	0.41	0.49 J	0.49 J	0.44 J	0.47 J	0.47 J
Chlorobenzene	NA	U	U	U	U	U
Chloroform	0.11	U	U	U	0.13 J	U
Chloromethane	94	1 J	1.8	1.1	1.3	1.3 J
Cumene (isopropylbenzene)	420	U	U	U	U	0.32 J
Cyclohexane	6,300	U	U	U	U	U
Dichlorodifluoromethane	100	2.4 J	3.2	2.7	2.9	2.4 J
Ethylbenzene	0.97	U	U	U	0.29 J	0.48 J
Freon 22 (chlorodifluoromethane)	52,000	0.89 J	1.3 J	0.93 J	1.2 J	0.89 J
Freon TF (trichlorotrifluoroethane)	31,000	0.58 J	0.68 J	0.54 J	0.7 J	0.64 J
Hexachlorobutadiene	NA	U	U	U	U	U
Isopropyl alcohol	7,300	U	U	1.5 J	4.9 J	U
m,p-Xylene	100	0.21 J	U	U	0.85 J	2 J
Methyl Butyl Ketone (2-Hexanone)	31	U	U	U	U	1.1 J
Methyl Ethyl Ketone	5,200	0.75 J	0.94 J	1.3 J	2.3	4.4
methyl isobutyl ketone	3,100	U	U	U	0.17 J	U
Methyl methacrylate	NA	U	U	U	U	U
Methyl tert-butyl ether	NA	U	U	U	U	0.63 J
Methylene Chloride	96	0.45 J	0.92 J	U	0.5 J	U
Naphthalene	0.072	U	U	U	U	1.8 J
n-Butane	NA	1.1 J	2.9	3.6	U	U
n-Butylbenzene	NA	U	U	U	U	U
n-Heptane	NA	U	U	2	0.48 J	U
n-Hexane	730	0.28 J	0.35 J	2.2	U	0.42 J
n-Propylbenzene	1,000	U	U	U	U	0.93 J
sec-Butylbenzene	NA	U	U	U	U	U
Styrene	1,000	U	U	U	U	0.11 J
tert-Butyl alcohol	NA	U	U	U	U	U
Tetrachloroethene	9.4	U	2	U	0.38 J	0.33 J
Tetrahydrofuran	2,100	0.25 J	U	U	U	U
Toluene	5,200	0.68 J	0.54 J	1.4	1	6.5
trans-1,2-Dichloroethene	63	U	U	U	U	U
Trichloroethene	0.43	U	1.1	U	U	U
Trichlorofluoromethane	730	1.3	1.5	1.3	1.5	1.4 J
Xylene, o-	100	U	U	U	0.3 J	0.7 J

Notes:
Exceedance of screening level.
♦-Denotes higher nominal value of duplicate sample result.
J- The analyte was positively identified; the quantitation is an e
B- The result for the analyte was detected in the trip blank.
M - A matrix effect was present.
U- Undetected at the Limit of Detection.
NA- not available
µg/m˙- microgram per cubic meter.

Table 4
ST006 Building 101 AOC
SVE System Performance Monitoring
Influent and Effluent Results

Sample Location	**101CA**					
Sample ID	**101CA01AA**	**101CA01BA**	**101CA01CA**	**101CA01DA**	**101CA02AA**	**101CA01EA**
Sample Type	**Influent**	**Influent**	**Influent**	**Influent**	**Effluent**	**Effluent**
Sample Date	**22-Oct-2013**	**28-Jan-2014**	**15-Apr-2014**	**1-Jul-2014**	**1-Jul-2014**	**15-Oct-2014**
Sample Collection Duration (hr)	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**
Volatiles (TO-15) in µg/m^3						
1,1,1-Trichloroethane	1.5 J	2.5	2.6	2.1	U	1.9
1,2,4-Trimethylbenzene	16	U	1.1	2	1.4	1.4
1,3,5-Trimethylbenzene	4.4	0.59 J	0.37 J	0.67 J	0.46 J	0.41 J
1,3-Dichlorobenzene	270	U	U	U	U	2.8
1,4-Dichlorobenzene	U	U	U	U	U	0.3 J
2,2,4-Trimethylpentane	3.1	0.33 J	1.1	0.68 J	U	
4-Ethyltoluene	5.5	0.68 J	0.35 J	0.62 J	0.46 J	0.41 J
4-Isopropyltoluene	0.54 J	U	U	U	U	0.95 J
Acetone	40	29 J	31	14	U	18
Benzene	4.9	0.43 J	0.38 J	0.93	5.7	0.31 J
Bromodichloromethane	U	0.42 J	0.63 J	0.85 J	U	2.4
Carbon disulfide	U	0.24 J	2.3	U	U	5.1
Carbon tetrachloride	2.4 J	3.5	3.4	2.7	0.56 J	2.9
Chlorobenzene	U	U	U	U	U	0.18 J
Chloroform	34	58	73	77	3.6	110
Chloromethane	0.23 J	0.29 J	U	U	U	U
Cumene (isopropylbenzene)	1.2 J	U	0.09 J	U	0.26 J	0.25 J
Cyclohexane	13	U	U	U	U	0.38 J
Dichlorodifluoromethane	2.4 J	4	3.8	3.5	U	2.7
Ethylbenzene	18	0.81 J	0.45 J	2.2	1.5	0.8 J
Freon 22 (chlorodifluoromethane)	1.3 J	2	1.5 J	3.8	U	1.6 J
Freon TF (trichlorotrifluoroethane)	1.5 J	1.1 J	1.1 J	1.2 J	U	1.3 J
Isopropyl alcohol	2,300 J	18	6.2 J	10 J	U	2.7 J
m,p-Xylene	74	2.9	2.1 J	11	7.3	2.5
Methyl Ethyl Ketone	74	3.7	3.2	3	3.4	4.2
methyl isobutyl ketone	U	1.8 J	0.58 J	3	2.0 J	U
Methyl methacrylate	U	U	U	U	U	0.44 J
Methyl tert-butyl ether	U	U	U	U	U	0.13 J
Methylene Chloride	1.8 J	0.97 J	3.0	0.93 J	8.1	0.63 J
Naphthalene	U	U	U	U	U	1.8 J
n-Butane	0.52 J	1.3	1.8	1.4 D	U	0.68 J
n-Heptane	6.7	U	U	0.46 J	U	0.64 J
n-Hexane	6.1	0.35 J	0.28 J	0.47 J	0.36 J	0.38 J
n-Propylbenzene	3.3	0.41 J	U	U	U	U
Styrene	1.5 J	0.22 J	U	0.49 J	0.32 J	0.53 J
tert-Butyl alcohol	0.71 J	1.1 J	U	U	U	2.6 J
Tetrachloroethene	2.3 J	8.7	14	9.6	3.5	17
Tetrahydrofuran	740 J	3.5 J	U	U	U	3.2 J
Toluene	120	4.1	3.0	12.0	8.2	73.0
Trichloroethene	100	32	45	42	4.9	53
Trichlorofluoromethane	4.7	5.2	4.7	4.0	U	3.2
Xylene, o-	22	1.1	0.77	3.8	2.7	0.93

Notes:

J- The analyte was positively identified; the quantitation is an estimation.

U- Undetected at the Limit of Detection.

µg/m^3- microgram per cubic meter.

Table 5 ST006 Building 101 AOC, Operations and Maintenance Schedule

Field Activities	Rationale	Sample Frequency	Location
Basic System Operation			
VMP vacuum measurements	To determine the radius of influence.	Quarterly	Sub-Slab VMP
Field measurements	To evaluate system effectiveness.	Quarterly	Sub-Slab VMP
Sub-Slab Vapor Sampling	To evaluate system effectiveness.	Quarterly	Sub-Slab VMPs
Indoor Air, Outdoor Air, and Influent Air Sampling	To evaluate system effectiveness.	Quarterly	BADP, BADrP, outdoors, and system
Effluent Air Sampling	To verify GAC replacement schedule.	Periodically	System
System Component Readings	System temperature, flow, vacuum and motor status to determine proper operation.	Weekly	Vacuum Blower
Granular Activated Carbon	To replace spent carbon in vapor treatment system.	Every Four Months	System

Table 6
ST006 Building 101 AOC
SVE System VMP Vacuum Readings

Date	101VMP-1	101VMP-2	101VMP-3
	Vacuum (in w.g.)		
1Q/2014			
1/9/2014	NA	0.08	0.01
1/16/2014	NA	0.09	0.01
2/6/2014	NA	0.08	0.01
2/13/2014	NA	0.08	0.01
2/24/2014	NA	0.08	0.01
2/27/2014	NA	0.08	0.01
3/13/2014	NA	0.075	0.01
3/20/2014	NA	0.075	0.005
2Q/2014			
4/10/2014	NA	0.075	0.01
4/15/2014	0.015	0.095	0.02
4/24/2014	NA	0.15	0.02
5/1/2014	NA	0.1	0.02
5/8/2014	NA	0.09	0.01
5/15/2014	NA	0.09	0.01
5/21/2014	NA	0.085	0.01
6/20/2014	NA	0.11	0.01
6/26/2014	NA	0.08	0.01
3Q/2014			
7/10/2014	NA	0.09	0.01
7/24/2014	NA	0.08	0.02
7/31/2014	NA	0.09	0
8/7/2014	NA	0.1	0.05
8/15/2014	NA	0.09	0.01
8/20/2014	0.02	0.09	0.05
9/5/2014	NA	0.09	0.01
9/11/2014	NA	0.09	0.01
4Q/2014			
10/2/2014	NA	0.095	0.015
10/17/2014	0.01	0.09	0.005
10/23/2015	NA	0.08	0.005
10/29/2014	NA	0.08	0.01
11/7/2014	NA	0.09	0.01
11/13/2014	NA	0.08	0.01
12/11/2014	NA	0.08	0.01
12/19/2014	NA	0.09	0.01
12/29/2014	NA	0.08	0.01

NA - not available

Figures



Key to Features

- Base Boundary
- Culvert / Ditch
- Surface Water
- Existing Road/Airfield
- Demolished Road/Airfield
- Existing Facility
- ST006 Building 101 AOC

Base Location

Map is projected in accordance with the State Plane New York Central - 3102 (NAD 83, Feet)

N

0 500 1000 2000

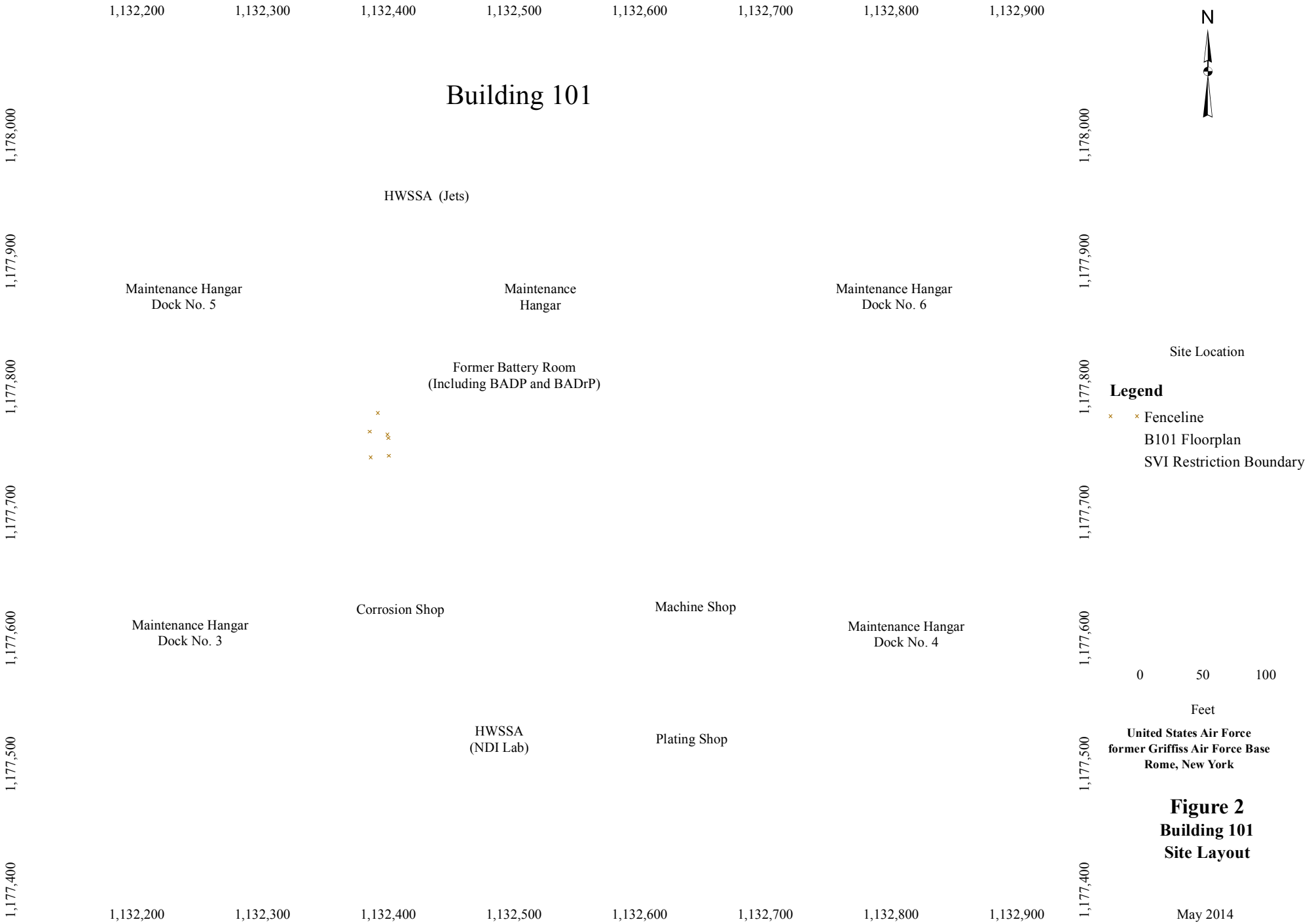
Feet

UNITED STATES AIR FORCE
FORMER GRIFFISS AIR FORCE BASE
ROME, NEW YORK

Figure 1
Building 101
Site Location

May 2014

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United States Air Force
former Griffiss Air Force Base
Rome, New York

Figure 2
Building 101
Site Layout

May 2014

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Figure 3
ST006 Building 101 AOC
SVE System Layout

2014

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Figure 4
ST006 Building 101 AOC
Soil Vapor Extraction System
Schematic and Extraction Well Cross Section

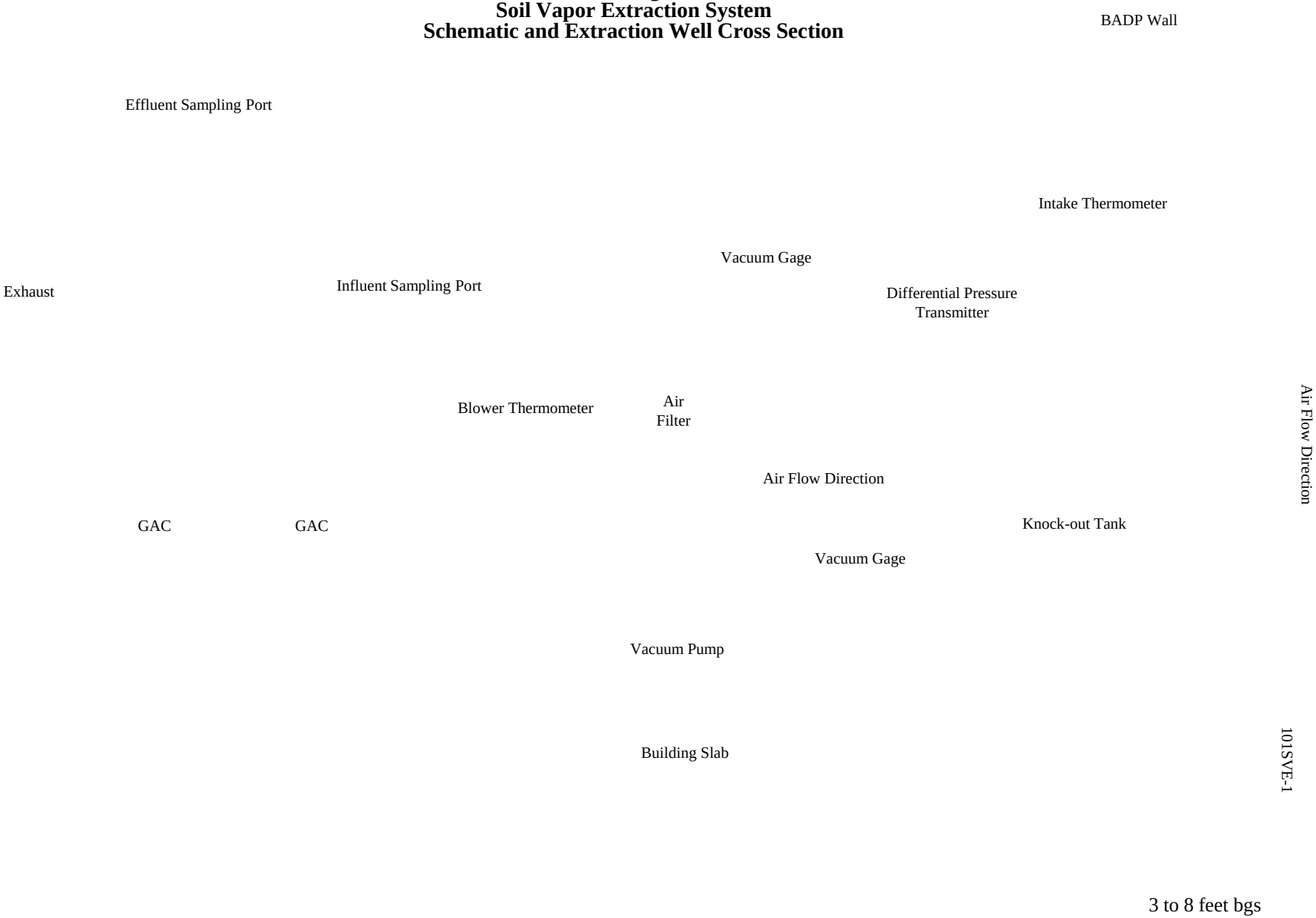


Figure 5
101SVE-1 Long Term Operation Vacuum Rate
(October 2013 through December 2014)

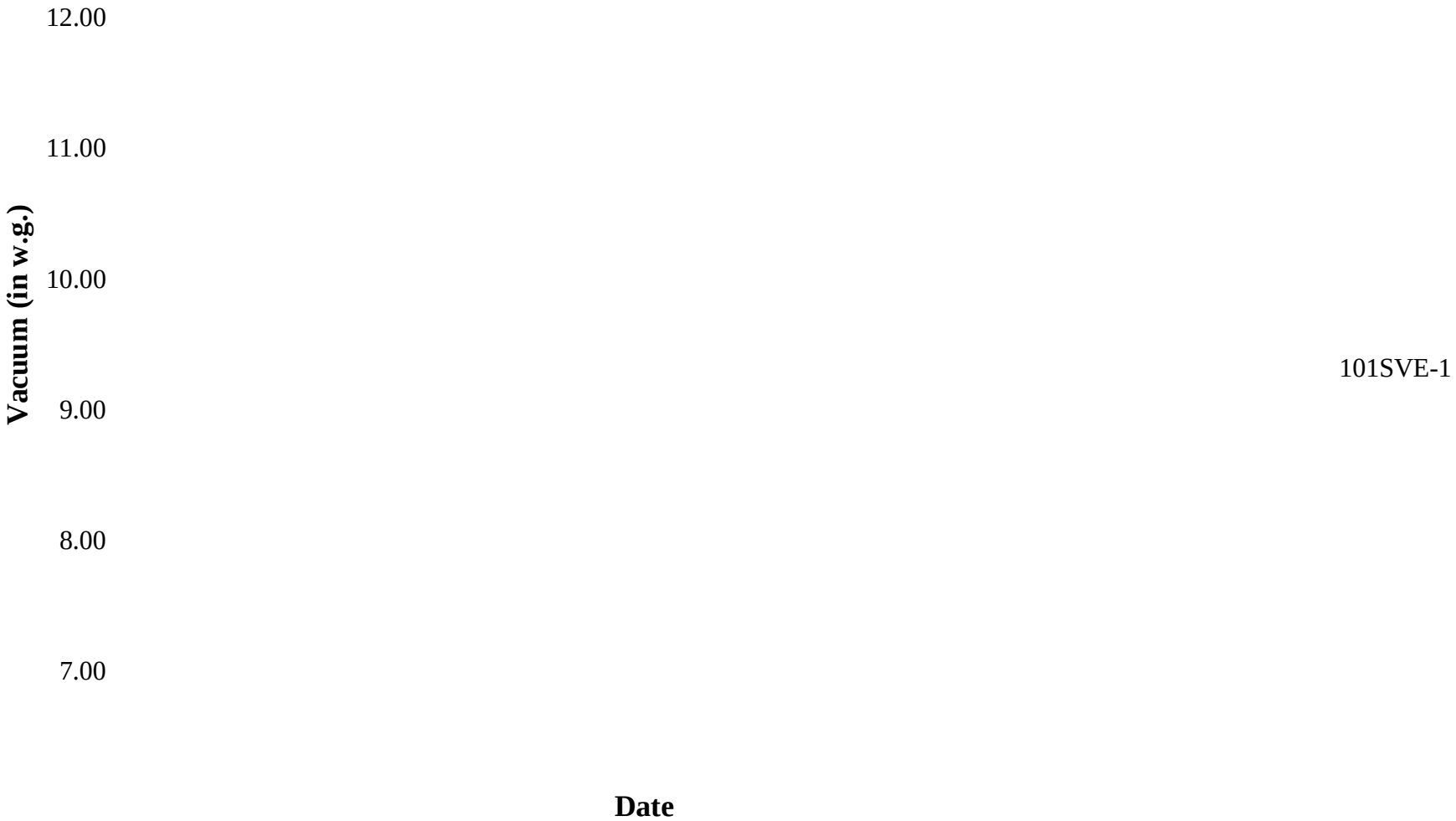


Figure 6
101SVE-1 Long Term Operation Flow Rate
(October 2013 through December 2014)

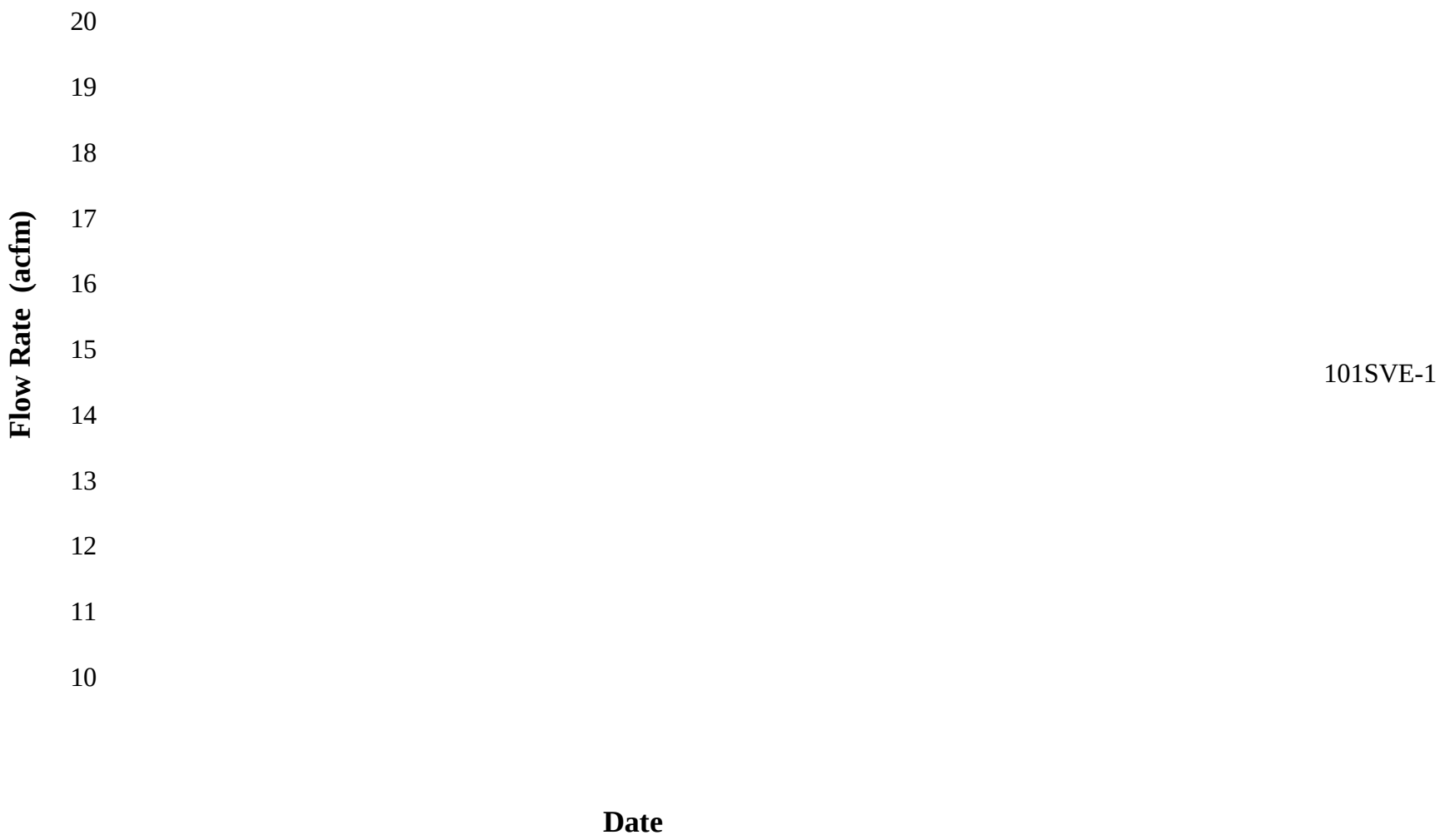
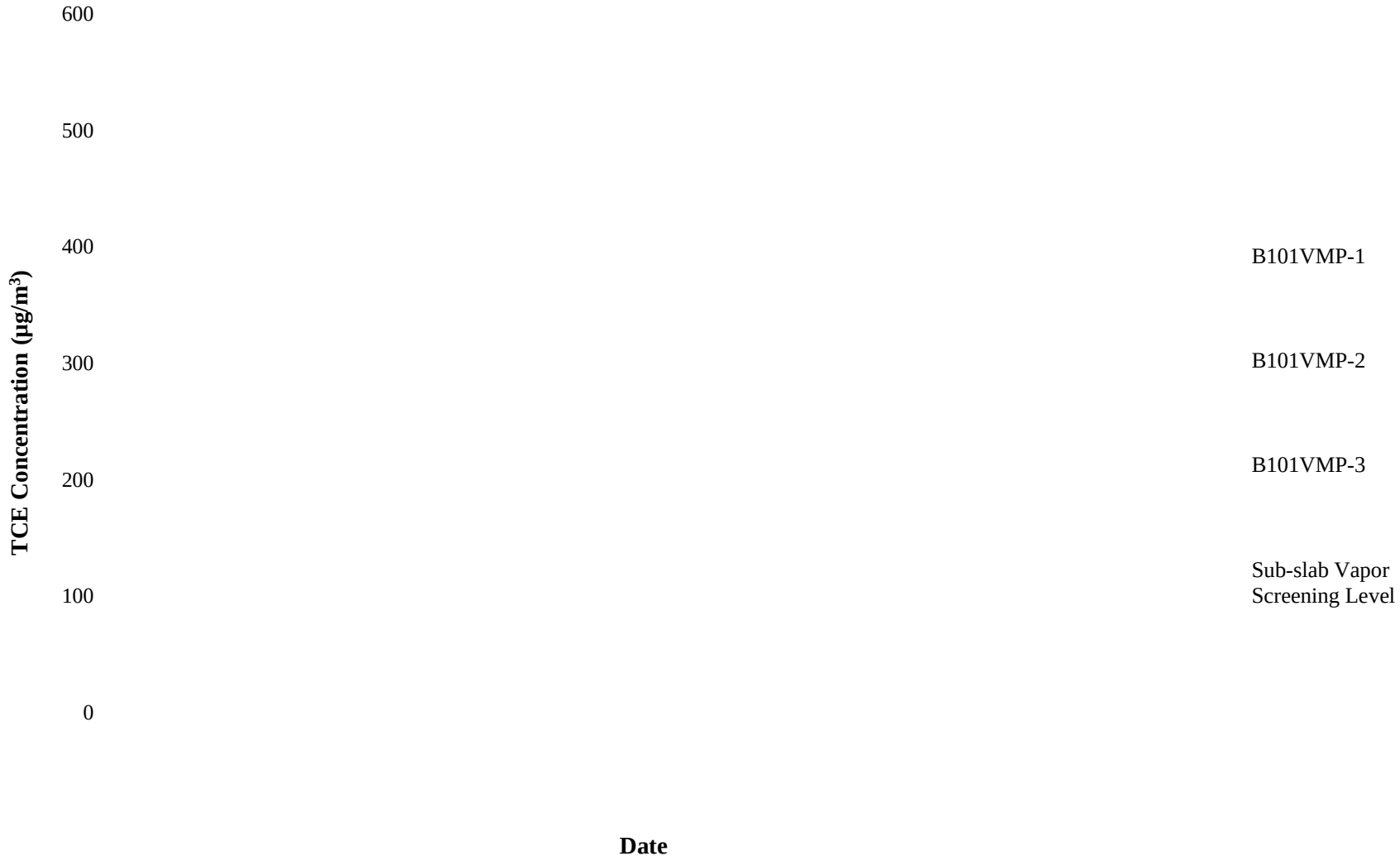
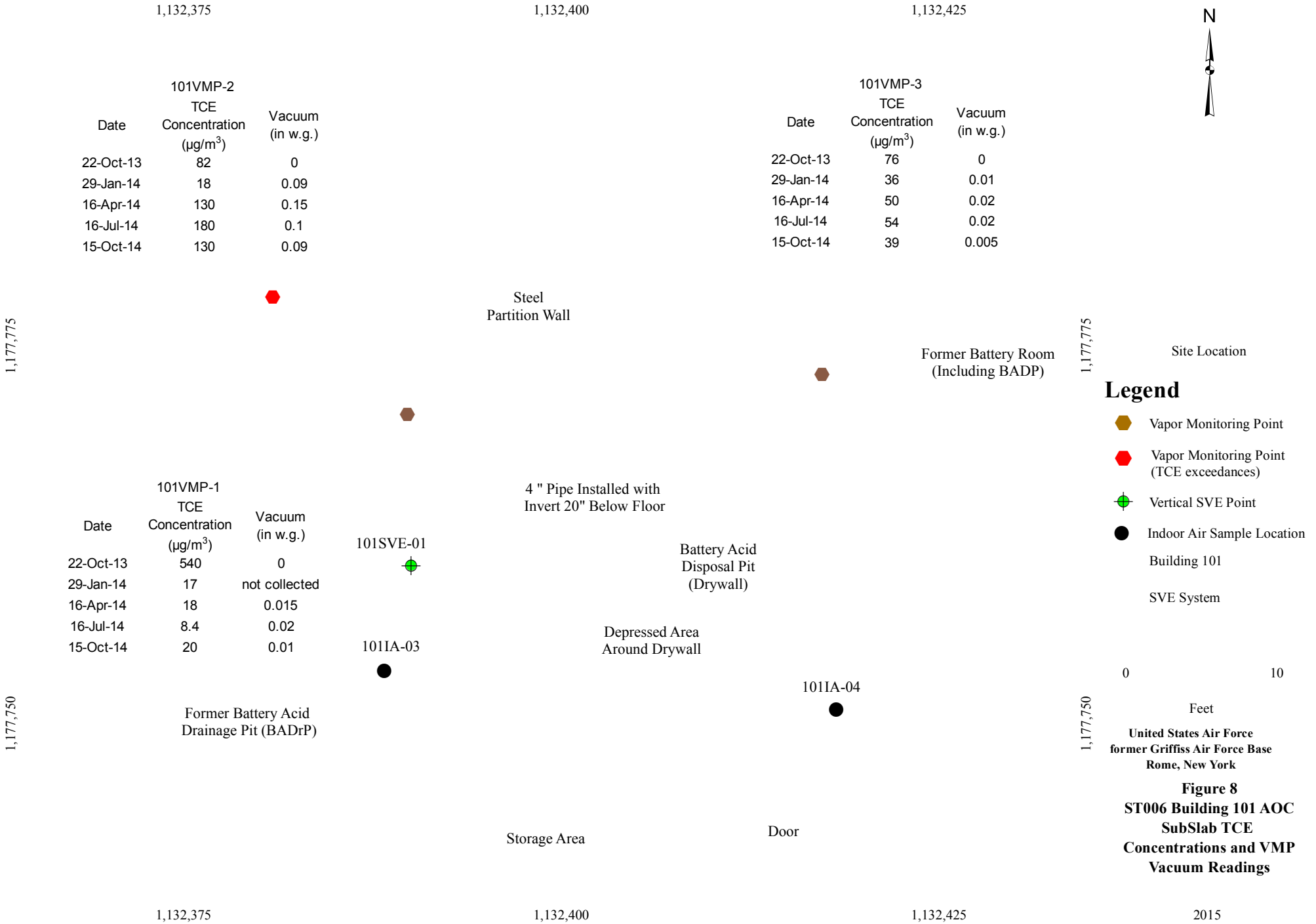


Figure 7
Sub-Slab TCE Trend Chart
(October 2013 through December 2014)



Note: Not detected results are plotted as 0.10 µg/m^3.



Y:\GIS_Projects\Griffiss\Projects\1015-11-01\B101_SVI\ArcView10_1\Figure 8 - SubSlab TCE Concentrations.mxd

Appendix A
GAC System Lifespan Calculation and Waste Inventory Tracking Report

ST006 Building 101 AOC Carbon Drum Life Span

Flow in Cubic Feet per Minute	**20**
Flow in Cubic Meter per Day	**816.1518**

Volatiles (TO-15)	**Mol. Weight**	**Volatiles (µg/m^3) [1]**	**Volatiles (g/day)**	**adsorption [2]**	**Carbon (g/day)**	
Tetrachloroethene (pce)	165	424	0.3458851	35%	0.988243	
Xylene (total)	106	1867	1.5240003	21%	7.257144	
Naphthalene	128	38	0.0312586	20%	0.156293	
Toluene	92	24360	19.8810504	20%	99.405252	
Benzene	78	76	0.0620275	12%	0.516896	
n-Hexane	86	208	0.1697596	7%	2.425137	
Methyl Ethyl Ketone	72	28	0.0224442	4%	0.561104	
Methylene Chloride	84	199	0.1624958	2%	8.124791	
Acetone	58	12007	9.7995350	0.8%	1224.941872	
Trichloroethene (TCE)	131	6820	5.5661555	20%	27.830777	
		average adsorption	**37.56**		**1372.207511**	
			Average lifespan of two 200# drum:		132	days

Notes:

1 - These values are based on the sum of sub-slab vapor samples collected in 2013.

2 - The % adsorption was taken from granular activated carbon manufacturer (Carbtrol) documentation.

Waste Inventory Tracking Form

Location: Building 101

Project Name: 1015-11-01 B101/FPTA

Activities: Spent Carbon Generation

Date	Activity Generating Waste (borehole # / well #)	Description of Waste	Field Evidence of Contamination	Estimated Volume (gals)	Type of Container (storage ID #)	Location of Container	Waste Characterization
3/4/14	Vapor Extraction-101SVE-1	Carbon		110	Steel, Drum	Apron 2	Yes – Sampled on 8/22/14
7/3/14	Vapor Extraction-101SVE-1	Carbon		110	Steel, Drum	Apron 2	Yes – Sampled on 8/22/14
12/18/14	Vapor Extraction-101SVE-1	Carbon		110	Plastic, Drum	Apron 2	

Note: Describe whether soil or water samples have been collected for waste characterization, include date, if known.

Comments : _____

_____

_____

_____

_____

Signature : _____

Appendix B
Operation and Maintenance Field Forms

Building 101 SVE System
O&M Field Form

Date:	10-2-14		
Conducted By:	KM/MG		
Patm (in hg):	30.19 (InHG)	**Operating Hours:**	8054.8
101SVE-1	**Vacuum Gauge (in w.g.)**	**Differential Pressure (inch w.g.)**	1.4
Before Filter	-9	**Blower Temp (deg F)**	83
After Filter	-11	**Intake Temp (deg F)**	68

Well ID	Time	Vacuum (inch w.g.)
101VMP-1		NA
101VMP-2		0.095
101VMP-3		0.05

Flow Rate = 17.51 acfm

Building 101 SVE System
O&M Field Form

Date:	10/10/14		
Conducted By:	KM		
Patm (in hg):	30.10	**Operating Hours:**	8248.4
101SVE-1	**Vacuum Gauge (in w.g.)**	**Differential Pressure (inch w.g.)**	1.3
Before Filter	-9	**Blower Temp (deg F)**	80
After Filter	-10	**Intake Temp (deg F)**	67

Well ID	Time	Vacuum (inch w.g.)
101VMP-1		
101VMP-2		
101VMP-3		

Flow rate = 16.85 acfm

Building 101 SVE System
O&M Field Form

Date:	10-17-14		
Conducted By:	MG		
Patm (in hg):	29.67 (inHG)	**Operating Hours:**	8367 hr
101SVE-1	**Vacuum Gauge (in w.g.)**	**Differential Pressure (inch w.g.)**	1.3
Before Filter	-10	**Blower Temp (deg F)**	85°F
After Filter	-12	**Intake Temp (deg F)**	70°F

Well ID	Time	Vacuum (inch w.g.)
101VMP-1	10:42	.01
101VMP-2	10:55	.09
101VMP-3	10:50	.005

Flow Rate = 16.77 acfm

Building 101 SVE System
O&M Field Form

Date:	10-23-14		
Conducted By:	MG		
Patm (in hg):	29.94 (inHG)	**Operating Hours:**	8539
101SVE-1	**Vacuum Gauge (in w.g.)**	**Differential Pressure (inch w.g.)**	1.4
Before Filter	~~-11~~ -9	**Blower Temp (deg F)**	60°F
After Filter	-9 -11	**Intake Temp (deg F)**	70°F

Well ID	Time	Vacuum (inch w.g.)
101VMP-1		
101VMP-2	14:35	.08
101VMP-3	14:20	.05

Flow rate = 17.46 acfm

Building 101 SVE System
O&M Field Form

Date:	10-29-14		
Conducted By:	MG		
Patm (in hg):	30.06 (in HG)	**Operating Hours:**	8682 hr.
101SVE-1	**Vacuum Gauge (in w.g.)**	**Differential Pressure (inch w.g.)**	1.4
Before Filter	-10	**Blower Temp (deg F)**	80°F
After Filter	-12	**Intake Temp (deg F)**	70°F

Well ID	Time	Vacuum (inch w.g.)
101VMP-1		
101VMP-2	14:25	.08
101VMP-3	14:20	0.1

Flow Rate = 17.52 acfm

Building 101 SVE System
C&M Field Form

Date:	11-7-14		
Conducted By:	MG		
Patm (in hg):	29.81 (inHG)	**Operating Hours:**	8877 hr.
101SVE-1	**Vacuum Gauge (in w.g.)**	**Differential Pressure (inch w.g.)**	1.4
Before Filter	-10	**Blower Temp (deg F)**	80°F
After Filter	-11	**Intake Temp (deg F)**	70°F

Well ID	Time	Vacuum (inch w.g.)
101VMP-1		
101VMP-2	15:10	.09
101VMP-3	15:05	.01

Flow rate = 17.45 acfm

Building 101 SVE System
C&M Field Form

Date:	11-13-14		
Conducted By:	MG		
Patm (in hg):	30.14 (inHG)	**Operating Hours:**	9017
101SVE-1 ..	**Vacuum Gauge (in w.g.)**	**Differential Pressure (inch w.g.)**	1.4
Before Filter	~10	**Blower Temp (deg F)**	80°F
After Filter	~12	**Intake Temp (deg F)**	70°F

Well ID	Time	Vacuum (inch w.g.)
101VMP-1		
101VMP-2	11:25	~~28wG~~ 0.08
101VMP-3	11:20	.01

Flow rate = 17.55 acfm

Building 101 SVE System
O&M Field Form

Date:	11/21/14		
Conducted By:	DB / JW		
Patm (in hg):	30,28	**Operating Hours:**	9207
101SVE-1	**Vacuum Gauge (in w.g.)**	**Differential Pressure (inch w.g.)**	1,4
Before Filter	-10	**Blower Temp (deg F)**	80°
After Filter	-12	**Intake Temp (deg F)**	70°

Well ID	Time	Vacuum (inch w.g.)
101VMP-1		
101VMP-2		
101VMP-3		

Flow rate = 17.59 acfm

Building 101 SVE System
O&M Field Form

Date:	12/2/14		
Conducted By:	KM		
Patm (in hg):	30.51	**Operating Hours:**	09476.2
101SVE-1	**Vacuum Gauge (in w.g.)**	**Differential Pressure (inch w.g.)**	1.4
Before Filter	-10	**Blower Temp (deg F)**	80
After Filter	-11	**Intake Temp (deg F)**	70

Well ID	Time	Vacuum (inch w.g.)
101VMP-1		
101VMP-2		
101VMP-3		

Flow rate = 17.66 acfm

Building 101 SVE System
O&M Field Form

Date:	12-11-14		
Conducted By:	MG		
Patm (in hg):	29.73 (in HG)	Operating Hours:	9691
101SVE-1	Vacuum Gauge (in w.g.)	Differential Pressure (inch w.g.)	1.4
Before Filter	-10	Blower Temp (deg F)	80°F
After Filter	-12	Intake Temp (deg F)	70°F

Well ID	Time	Vacuum (inch w.g.)
101VMP-1	NA	NA
101VMP-2	14:15	.08
101VMP-3	14:00	.01

Flow rate = 17.42 acfm

Building 101 SVE System
O&M Field Form

Date:	12-19-14		
Conducted By:	MG		
Patm (in hg):	30.16 (in HG)	**Operating Hours:**	9880 Hr.
101SVE-1	**Vacuum Gauge (in w.g.)**	**Differential Pressure (inch w.g.)**	1.4
Before Filter	-10	**Blower Temp (deg F)**	
After Filter	-12	**Intake Temp (deg F)**	70°F

Well ID	Time	Vacuum (inch w.g.)
101VMP-1		
101VMP-2	11:27	.09
101VMP-3	11:22	.01

Flow Rate: 17.55 acfm

Building 101 SVE System
C&M Field Form

Date:	12-29-14		
Conducted By:	MG		
Patm (in hg):	30.23 (inHG)	**Operating Hours:**	10,124 Hr
101SVE-1	**Vacuum Gauge (in w.g.)**	**Differential Pressure (inch w.g.)**	1.4
Before Filter	-10	**Blower Temp (deg F)**	80°F
After Filter	-12	**Intake Temp (deg F)**	70°F

Well ID	Time	Vacuum (inch w.g.)
101VMP-1		
101VMP-2	15:18	0.08
101VMP-3	15:11	0.01

Flow Rate - ~~16.27~~ 17.57 acfm

Appendix C
Daily Chemical Quality Control Reports

Daily Chemical Quality Control Report

Project/Delivery Order Number: 1015-11-01 Date: 10/15/14 and 10/16/14

Project Name/Site Number: ST006 Building 101 AOC

Weather conditions: Temperature: 65 to 72 F Barometric reading: 29.59 – 29.96
Wind speed and direction: 5 to 9/ SE and E
Significant wind changes: 16 from West

General description of tasks completed: Indoor, Outdoor, and sub-slab vapor monitoring.

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: None

Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: None

Corrective actions taken or instructions obtained from AFCEC personnel: No corrective actions necessary.
None

Sampling shipment completed: √ Yes □ No Airbill #: …. …. ….

DCQCR Prepared by: Daniel Baldyga Date: 10/16/2014

CQCC Signature: Concordia Vantfeerd Date: 10/19/14

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
	✓ Field sampling forms
	✓ Equipment Calibration Log
	✓ Copies of COCs
	✓ SDG Table (See accompanying COCs).
	✓ Daily Health and Safety Meeting Form

WEATHER OBSERVATION FORM

LOCATION: Griffiss AFB

DATE: 10/15/14

FIELD PERSONNEL: KM/MG

INSTRUMENTS (model and serial number):

Thermometer: NA

Anemometer: NA

	Time (military)	Precip. (in)	Atmospheric pressure (in)	Temp. (degrees F)	Wind (mph)	Comments
Prior to Sampling	0800	0.00	29.96	67	E 9	
Mid Day	1300	0.00	29.91	72	SE 6	
	1400	0.00	29.91	69	W 16	
End of Sampling	1600	0.17	29.91	65	E8	

Notes: Additional measurements should be taken in case of weather condition changes.
Air sampling will be postponed if conditions move outside the acceptable range.

Sampling Event Acceptable Range:
1. Precipitation: dry while conducting sampling.
2. Atmospheric pressure: 29.7 – 30.4 in Hg.
3. Temperature: 35 – 95 degrees F. The ground must be completely thawed.
4. Wind: <10 mph.

WEATHER OBSERVATION FORM

LOCATION: Griffiss AFB

DATE: 10/16/14

FIELD PERSONNEL: KM/MCF

INSTRUMENTS (model and serial number):

Thermometer: NA

Anemometer: NA

	Time (military)	Precip. (in)	Atmospheric pressure (in)	Temp. (degrees F)	Wind (mph)	Comments
Prior to Sampling	0800	0.36	29.70	67	SE 5	
Mid Day	1200	0.15	29.68	68	E 9	
	1300	0.0	29.66	70	SE 9	
End of Sampling	1600	0.0	29.59	74	SE 8	

Notes: Additional measurements should be taken in case of weather condition changes.
Air sampling will be postponed if conditions move outside the acceptable range.

Sampling Event Acceptable Range:
1. Precipitation: dry while conducting sampling.
2. Atmospheric pressure: 29.7 – 30.4 in Hg.
3. Temperature: 35 – 95 degrees F. The ground must be completely thawed.
4. Wind: <10 mph.

Daily Health and Safety Meeting Form

Date: 10/15/14/10/16/14 *Time :* 0830

Location: FAM office

Weather Conditions: cloudy | 67°F

Meeting Type: health and safety.

Personnel Present:

Katrina Mattice

Mark Grifasi

Visitors Present: NA

Visitor Training: NA

PPE Required: level D

Possible risks, injuries, concerns:

slip trips Falls.

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

NA

Property Damage:

NA

Description (include sequence of events describing step by step how incident happened):

NA

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO + FOM, approved by PM, and SSHO implemented):

NA

Report made by (Name): Katrina Mattice

SSHP Organization Title: Katrina Mattice

INDOOR/OUTDOOR AIR MONITORING FORM

DATE: 10/15/14 TIME: 1350

SAMPLE IDENTIFICATION: 101FA0305EA (BAPCP)

SAMPLE DEPTH: 5 ft above grade

FIELD PERSONNEL: km LMG

INSTRUMENTS (model and serial number):

PUMP: RKI Eagle O_2 - 20.9 CO_2 - 0 TVH - 35 ppm,

CGI: X

TYPE OF SAMPLE: ☒ INDOOR ☐ OUTDOOR

DURATION OF AIR SAMPLING: 24hr

VOLUME OF AIR SAMPLED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30 in hg

VACUUM AFTER SAMPLING: -8 in hg

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

VOCs used during normal operations of facility: solvents, refrigerants, fuel gas.

Weather conditions: Outdoor temperature: 72°F

Barometric pressure: 29.91 in hg

Precipitation: 0.02 in

Ventilation conditions: good

Heating System Active? ☐ Yes ☒ No Indoor Air Temp.: 70°F

Location in relation to sample location: NA

Windows Closed? ☐ Yes ☒ No - hangar doors.

can # 3010 Reg# 5834

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 10/15/19 TIME: 1400

SAMPLE IDENTIFICATION: 101VMP0101BA/C

SAMPLE DEPTH: 1 ft below slab

FIELD PERSONNEL: KM [illegible]

INSTRUMENTS (model and serial number):

PUMP: hand pump - RKI eagle

CGI: O2 - 20.9 CO2 - 0 TVH - 0ppm

TRACER GAS VERIFIED: ☐ Yes ☒ No TRACER GAS CONC. (%):

SAMPLE PURGE VOLUME: 1 X 6L

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -28 / -30

VACUUM AFTER SAMPLING: -7 / -5

APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

VOCs used during normal operations of facility:

Refrigerants, fuel gas, solvents.

Weather conditions: Outdoor temperature: 72°F

Barometric pressure: 29.97 in hg

Precipitation: 0.02 in

Ventilation conditions: good

Heating System Active? ☐ Yes ☒ No Indoor Air Temp: 70°F

Location in relation to sample location: NA

Windows Closed? ☐ Yes ☒ No - hangar door

Normal
can # 5637 Reg # 4624

Dup
Can # 5719 Reg # 4583

INDOOR/OUTDOOR AIR MONITORING FORM

DATE: 10/15/14 TIME: 1410

SAMPLE IDENTIFICATION: 101FA04 05EA [BADP] - Battery Room

SAMPLE DEPTH: 5 ft above Grade

FIELD PERSONNEL: KM / MG

INSTRUMENTS (model and serial number):

PUMP: RKI Eagle O_2 - 20.9 CO_2 - 0 TVH -

CGI: —

TYPE OF SAMPLE: ☒ INDOOR ☐ OUTDOOR

DURATION OF AIR SAMPLING: 24 hr

VOLUME OF AIR SAMPLED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -27 in hg

VACUUM AFTER SAMPLING: -5 in hg

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

VOCs used during normal operations of facility: solvents, refrigerants, fuel gas.

Weather conditions: Outdoor temperature: 72°F

Barometric pressure: 29.91 in hg.

Precipitation: 0.02 in

Ventilation conditions: good

Heating System Active? ☐ Yes ☒ No Indoor Air Temp.: 70°F

Location in relation to sample location: NA

Windows Closed? ☐ Yes ☒ No - hanger doors.

can #4922 Reg # 4768

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 10/15/14 TIME: 1420

SAMPLE IDENTIFICATION: 101VMP0301EA

SAMPLE DEPTH: 1 ft below Slab

FIELD PERSONNEL: KM/MCT

INSTRUMENTS (model and serial number):

PUMP: hand pump - RKI eagle

CGI: O_2 - 20.6, CO_2 - 0.6 TVH - 0ppm

TRACER GAS VERIFIED: ☐ Yes ☒ No TRACER GAS CONC. (%): _____

SAMPLE PURGE VOLUME: 1L

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30 in hg

VACUUM AFTER SAMPLING: -3.5 in hg

APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

VOCs used during normal operations of facility:

Refrigerants, fuel gas, solvents

Weather conditions: Outdoor temperature: 72°F

Barometric pressure: 29.91 in hg

Precipitation: 0.02 in

Ventilation conditions: good

Heating System Active? ☐ Yes ☒ No Indoor Air Temp: 70°F

Location in relation to sample location: NA

Windows Closed? ☐ Yes ☒ No - hanger door

can # 5059, Reg # 4693

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 10/15/14 TIME: 1425

SAMPLE IDENTIFICATION: 101VMP0201EA

SAMPLE DEPTH: 1 ft below slab

FIELD PERSONNEL: KM/MCT

INSTRUMENTS (model and serial number):

PUMP: hand pump - RKI eagle

CGI: O_2 - 20.2 CO_2 - 0.1% TVH - 0 ppm

TRACER GAS VERIFIED: ☐ Yes ☒ No TRACER GAS CONC. (%): _____

SAMPLE PURGE VOLUME: 1L

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -29.5 in hg

VACUUM AFTER SAMPLING: ~~-6.5~~ in hg

APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

VOCs used during normal operations of facility:

Refrigerants, fuel gas, solvents.

Weather conditions: Outdoor temperature: 72°F

Barometric pressure: 29.91 in hg

Precipitation: 0.02 in

Ventilation conditions: good

Heating System Active? ☐ Yes ☒ No Indoor Air Temp: 70°F

Location in relation to sample location: NA

Windows Closed? ☐ Yes ☒ No - hangar door

Can # 4569 Reg # 4691

* took 1 hr to sample.

INDOOR/OUTDOOR AIR MONITORING FORM

DATE: 10/15/14 TIME: 1430

SAMPLE IDENTIFICATION: 1010A 0305 EA

SAMPLE DEPTH: 5 ft above grade

FIELD PERSONNEL: KM/MG

INSTRUMENTS (model and serial number):

PUMP: RKI Eagle O_2 - 20.9 CO_2 - 0 TVH - 0ppm

CGI: X

TYPE OF SAMPLE: ☐ INDOOR ☒ OUTDOOR

DURATION OF AIR SAMPLING: 24hr

VOLUME OF AIR SAMPLED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30

VACUUM AFTER SAMPLING: -29 - vac gauge stuck @ 0

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

VOCs used during normal operations of facility: Refrigerants, fuel gas, solvents

Weather conditions: Outdoor temperature: 72°F

Barometric pressure: 29.91 in hg.

Precipitation: 0.02 in

Ventilation conditions: X

Heating System Active? ☐ Yes ☒ No - Indoor Air Temp.: X

Location in relation to sample location: X

Windows Closed? ☐ Yes ☒ No

can # 5642 Reg # 4512

AFCEC
CHAIN OF CUSTODY RECORD

COC#: 1 SDG#: 1 Cooler ID: A

Ship to: Kathryn Kelly Test America - Burlington 30 Community Drive, Suite 11 South Burlington, VT 05403 Tel: (802)923-1027 Carrier: Fedex	Project Name: Griffiss AFB 1015-11-01 B101 Sampler Name: Katrina Mattice Sampler Signature: Katrina Mattice	Send Results to: Daniel Baldyga FPM Remediations Inc 584 Phoenix Dr Rome, NY 13441 Phone: (315) 336-7721 Ext207

Analyses Requested

Field Sample ID	Location ID (LOCID)	Date 2014	Time	MATRIX	SMCODE	SDGSED	SACODE	Start Vacuum (in Hg)	End Vacuum (in Hg)	No. of Containers	VOCs Note 1 6 L canister	ANALYSIS NOTE	Comments
101VMP0101EA	101VMP-1	10.15	1400	GS	AC	0/0	N	-28	-4	1	1	1	can #5637 Reg #4624
101VMP0201EA	101VMP-2	10.15	1425	GS	AC	0/0	N	-29.5	-6	1	1	1	can #4569 Reg #4691
101VMP0301EA	101VMP-3	10.15	1420	GS	AC	0/0	N	-30	-3.5	1	1	1	can #5059, Reg # 4693
101VMP0101EC	101VMP-1	10.15	1400	GS	AC	0/0	FD	-30	-5	1	1	1	can # 5719 Reg #4583
101IA0305EA	101IA-03(BADrP)	10.15	1350	GS	AC	0/0	N	-30	-8	1	1	1	can #3010, Reg # 5834
101IA0405EA	101IA-04(BADP)	10.15	1410	GS	AC	0/0	N	-27	-5	1	1	1	can #4922, Reg #4768
101OA0305EA	101OA-03	10.15	1430	GS	AC	0/0	N	-30	-24	1	1	1	can #5642 Reg #4512
101CA01EA	101 SVE Influent	10.17	1102	GS	AC	0/0	N	—	—	1	1	1	Can #4463 Reg #5585
101TBTE	Trip Blank	10.15	1200	GS	AC	0/0	TB	—	—	1	1	1	Can #4817

Sample Condition Upon Receipt at Laboratory:

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: VOC: Method TO-15 Full List

ANALYSIS NOTE 1: Cat B package required.

280-61460 Chain of Custody

#1 Released by: (Sig)	Date:	#2 Released by: (Sig) Katrina Mattice	Date: 10/17/14	#.	
Company Name:	Time:	Company Name: FPM Remediations Inc	Time: 1400	Company Name:	Time:
#1 Received by: (Sig)	Date:	#2 Received by: (Sig)	Date: 10/20/14	#3 Received by: (Sig)	Date:
Company Name: FPM Remediations Inc	Time:	Company Name: TA Burl	Time: 1030	Company Name:	Time:

MATRIX
WG = Groundwater
WQ = Water Quality Control Matrix
SO = Soil
GS = Gas Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate

Appendix D
Raw Laboratory Data

ANALYTICAL REPORT

Job Number: 280-61460-1

Job Description: Griffiss AFB Soil Vapor 1015-11-01 B101

For:
FPM Remediations Inc
584 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

Approved for release.
Elaine M Walker
Project Manager II
11/8/2014 4:33 PM

Elaine M Walker, Project Manager II
4955 Yarrow Street, Arvada, CO, 80002
(303)736-0156
elaine.walker@testamericainc.com
11/08/2014

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is 4025.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB Soil Vapor 1015-11-01 B101
Report Number: 280-61460-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
Nine samples were received at TestAmerica Burlington on 10/20/2014; the samples arrived in good condition and properly preserved.

VOLATILE ORGANIC COMPOUNDS - TO-15
Samples 101VMP0101EA (280-61460-1), 101VMP0201EA (280-61460-2), 101VMP0301EA (280-61460-3), 101VMP0101EC (280-61460-4), 101IA0305EA (280-61460-5), 101IA0405EA (280-61460-6), 101OA0305EA (280-61460-7), 101CA01EA (280-61460-8) and 101514TB (280-61460-9) were analyzed for volatile organic compounds in accordance with TO-15. The samples were analyzed on 10/31/2014 and 11/03/2014.

1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene and 1,4-Dichlorobenzene were detected in method blank MB 200-79678/4 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. However, because the result concentrations were less than ½ the respective reporting limit, no corrective action was necessary.

Methylene Chloride was detected in method blank MB 200-79779/4 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

Samples 101VMP0101EA (280-61460-1), 101VMP0201EA (280-61460-2), 101VMP0301EA (280-61460-3), 101VMP0101EC (280-61460-4), 101IA0305EA (280-61460-5) and 101OA0305EA (280-61460-7) required dilutions prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Instrument ID: CHC.i Analysis Batch Number: 79551

Lab Sample ID: IC 200-79551/3 Client Sample ID:

Date Analyzed: 10/29/14 17:07 Lab File ID: 10262_03.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION REASON	ANALYST	DATE
1,1-Dichloroethane	8.89	Baseline Event	daiglep	10/30/14 15:45
Trichloroethene	12.97	Baseline Event	daiglep	10/30/14 15:45
Tetrachloroethene	16.74	Baseline Event	daiglep	10/30/14 15:45

Lab Sample ID: IC 200-79551/4 Client Sample ID:

Date Analyzed: 10/29/14 17:54 Lab File ID: 10262_04.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION REASON	ANALYST	DATE
Chloromethane	3.48	Baseline Event	daiglep	10/30/14 15:50
Chloroethane	4.76	Baseline Event	daiglep	10/30/14 15:50
n-Pentane	5.42	Baseline Event	daiglep	10/30/14 15:50
Freon TF	6.39	Baseline Event	daiglep	10/30/14 15:50
Carbon disulfide	6.80	Baseline Event	daiglep	10/30/14 15:50
3-Chloropropene	7.24	Baseline Event	daiglep	10/30/14 15:50
Acetonitrile	7.41	Baseline Event	daiglep	10/30/14 15:50
Methylene Chloride	7.54	Baseline Event	daiglep	10/30/14 15:50
tert-Butyl alcohol	7.85	Peak not found by the data system	daiglep	10/30/14 15:50
Acrylonitrile	8.17	Baseline Event	daiglep	10/30/14 15:50
n-Hexane	8.40	Peak not found by the data system	daiglep	10/30/14 15:50
1,1-Dichloroethane	8.89	Peak not found by the data system	daiglep	10/30/14 15:50
Vinyl acetate	8.99	Peak not found by the data system	daiglep	10/30/14 15:50
cis-1,2-Dichloroethene	10.03	Baseline Event	daiglep	10/30/14 15:50
Chloroform	10.65	Baseline Event	daiglep	10/30/14 15:50
Cyclohexane	10.88	Baseline Event	daiglep	10/30/14 15:50
1,1,1-Trichloroethane	10.91	Baseline Event	daiglep	10/30/14 15:50
n-Heptane	12.02	Baseline Event	lyonsb	10/30/14 16:08

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Instrument ID: CHC.i Analysis Batch Number: 79551

Lab Sample ID: IC 200-79551/4 Client Sample ID:

Date Analyzed: 10/29/14 17:54 Lab File ID: 10262_04.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION REASON	ANALYST	DATE
1,2-Dichloropropane	13.55	Baseline Event	lyonsb	10/30/14 16:08
Dibromomethane	13.81	Baseline Event	lyonsb	10/30/14 16:08
Toluene	15.65	Baseline Event	lyonsb	10/30/14 16:08
trans-1,3-Dichloropropene	16.27	Baseline Event	lyonsb	10/30/14 16:08
1,2-Dibromoethane	17.67	Baseline Event	lyonsb	10/30/14 16:08
Ethylbenzene	18.78	Baseline Event	lyonsb	10/30/14 16:08
Xylene, o-	19.88	Baseline Event	lyonsb	10/30/14 16:08
Alpha Methyl Styrene	21.92	Baseline Event	lyonsb	10/30/14 16:08

Lab Sample ID: IC 200-79551/5 Client Sample ID:

Date Analyzed: 10/29/14 18:41 Lab File ID: 10262_05.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION REASON	ANALYST	DATE
Ethanol	5.92	Baseline Event	lyonsb	10/30/14 16:03
3-Chloropropene	7.25	Baseline Event	lyonsb	10/30/14 16:03
Acrylonitrile	8.18	Baseline Event	lyonsb	10/30/14 16:03
cis-1,2-Dichloroethene	10.03	Baseline Event	lyonsb	10/30/14 16:03
Cyclohexane	10.88	Baseline Event	lyonsb	10/30/14 16:03
Benzene	11.64	Baseline Event	lyonsb	10/30/14 16:03
n-Heptane	12.02	Baseline Event	lyonsb	10/30/14 16:03
1,2-Dichloropropane	13.55	Baseline Event	lyonsb	10/30/14 16:03
cis-1,3-Dichloropropene	15.07	Baseline Event	lyonsb	10/30/14 16:03
1,1,2-Trichloroethane	16.65	Baseline Event	lyonsb	10/30/14 16:03

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Instrument ID: CHC.i Analysis Batch Number: 79551

Lab Sample ID: IC 200-79551/10 Client Sample ID:

Date Analyzed: 10/29/14 22:37 Lab File ID: 10262_10.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION REASON	ANALYST	DATE
Ethanol	5.93	Baseline Event	nelsona	10/31/14 09:56
Ethyl ether	5.97	Baseline Event	nelsona	10/31/14 09:56

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Instrument ID: CHC.i Analysis Batch Number: 79779

Lab Sample ID: MB 200-79779/4 Client Sample ID:

Date Analyzed: 11/03/14 12:16 Lab File ID: 10320_04.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION REASON	ANALYST	DATE
Methylene Chloride	7.55	Baseline Event	lyonsb	11/04/14 09:11

Lab Sample ID: 280-61460-5 Client Sample ID: 101IA0305EA

Date Analyzed: 11/03/14 18:35 Lab File ID: 10320_12.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION REASON	ANALYST	DATE
Cyclohexane	10.86	Baseline Event	lyonsb	11/04/14 09:09
Ethylbenzene	18.78	Baseline Event	lyonsb	11/04/14 09:09

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Instrument ID: CHW.i Analysis Batch Number: 79595

Lab Sample ID: IC 200-79595/4 Client Sample ID:

Date Analyzed: 10/30/14 13:30 Lab File ID: 10272_004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION REASON	ANALYST	DATE
Acrolein	8.40	Peak not found by the data system	lyonsb	10/31/14 06:53
2,2,4-Trimethylpentane	13.88	Peak not found by the data system	lyonsb	10/31/14 06:53
1,2-Dichloroethane	14.11	Peak not found by the data system	lyonsb	10/31/14 06:53
Trichloroethene	15.19	Baseline Event	lyonsb	10/31/14 06:53
Methyl methacrylate	15.78	Peak not found by the data system	lyonsb	10/31/14 06:53
1,1,2-Trichloroethane	18.53	Peak not found by the data system	lyonsb	10/31/14 06:53

Lab Sample ID: IC 200-79595/5 Client Sample ID:

Date Analyzed: 10/30/14 14:20 Lab File ID: 10272_005.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION REASON	ANALYST	DATE
n-Butane	5.30	Baseline Event	lyonsb	10/31/14 06:55
Ethanol	7.80	Baseline Event	lyonsb	10/31/14 06:55
3-Chloropropene	9.39	Baseline Event	lyonsb	10/31/14 06:55
1,1,1-Trichloroethane	13.24	Baseline Event	lyonsb	10/31/14 06:55
Cyclohexane	13.24	Baseline Event	lyonsb	10/31/14 06:55
n-Heptane	14.25	Baseline Event	lyonsb	10/31/14 06:55
1,1,2-Trichloroethane	18.52	Baseline Event	lyonsb	10/31/14 06:55
Styrene	21.55	Baseline Event	lyonsb	10/31/14 06:55
Naphthalene	28.26	Baseline Event	lyonsb	10/31/14 06:55

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Instrument ID: CHW.i Analysis Batch Number: 79595

Lab Sample ID: IC 200-79595/6 Client Sample ID:

Date Analyzed: 10/30/14 15:11 Lab File ID: 10272_006.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION REASON	ANALYST	DATE
Acrolein	8.39	Baseline Event	lyonsb	10/31/14 06:56
3-Chloropropene	9.38	Baseline Event	lyonsb	10/31/14 06:56
Bromodichloromethane	16.19	Baseline Event	lyonsb	10/31/14 06:56

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Instrument ID: CHW.i Analysis Batch Number: 79678

Lab Sample ID: MB 200-79678/4 Client Sample ID:

Date Analyzed: 10/31/14 11:23 Lab File ID: 10288_004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION REASON	ANALYST	DATE
1,4-Dichlorobenzene	24.20	Baseline Event	lyonsb	11/03/14 08:43

Lab Sample ID: 280-61460-1 Client Sample ID: 101VMP0101EA

Date Analyzed: 10/31/14 15:35 Lab File ID: 10288_009.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION REASON	ANALYST	DATE
Cyclohexane	13.24	Baseline Event	lyonsb	11/03/14 08:56

Lab Sample ID: 280-61460-2 Client Sample ID: 101VMP0201EA

Date Analyzed: 10/31/14 16:23 Lab File ID: 10288_010.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION REASON	ANALYST	DATE
Styrene	21.54	Unspecified		

Lab Sample ID: 280-61460-6 Client Sample ID: 101IA0405EA

Date Analyzed: 10/31/14 19:42 Lab File ID: 10288_014.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION REASON	ANALYST	DATE
Methylene Chloride	9.72	Baseline Event	lyonsb	11/03/14 09:12
Cyclohexane	13.24	Baseline Event	lyonsb	11/03/14 09:12

Lab Sample ID: 280-61460-8 Client Sample ID: 101CA01EA

Date Analyzed: 10/31/14 21:31 Lab File ID: 10288_016.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION REASON	ANALYST	DATE
Methylene Chloride	9.73	Baseline Event	lyonsb	11/03/14 09:38
Cyclohexane	13.24	Baseline Event	lyonsb	11/03/14 09:38

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-61460-1	101VMP0101EA	Air	10/15/2014 1400	10/20/2014 1030
280-61460-2	101VMP0201EA	Air	10/15/2014 1425	10/20/2014 1030
280-61460-3	101VMP0301EA	Air	10/15/2014 1420	10/20/2014 1030
280-61460-4	101VMP0101EC	Air	10/15/2014 1400	10/20/2014 1030
280-61460-5	101IA0305EA	Air	10/15/2014 1350	10/20/2014 1030
280-61460-6	101IA0405EA	Air	10/15/2014 1410	10/20/2014 1030
280-61460-7	101OA0305EA	Air	10/15/2014 1430	10/20/2014 1030
280-61460-8	101CA01EA	Air	10/17/2014 1102	10/20/2014 1030
280-61460-9TB	101514TB	Air	10/15/2014 1200	10/20/2014 1030

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-61460-1	**101VMP0101EA**					
Dichlorodifluoromethane		0.46	J D	1.3	ppb v/v	TO-15
Dichlorodifluoromethane		2.3	J D	6.2	ug/m3	TO-15
Freon 22		0.38	J D	1.3	ppb v/v	TO-15
Freon 22		1.4	J D	4.4	ug/m3	TO-15
Trichlorofluoromethane		0.42	J D	0.50	ppb v/v	TO-15
Trichlorofluoromethane		2.4	J D	2.8	ug/m3	TO-15
Freon TF		0.11	J D	0.50	ppb v/v	TO-15
Freon TF		0.82	J D	3.8	ug/m3	TO-15
Acetone		62	D	13	ppb v/v	TO-15
Acetone		150	D	30	ug/m3	TO-15
Isopropyl alcohol		19	D	13	ppb v/v	TO-15
Isopropyl alcohol		48	D	31	ug/m3	TO-15
Carbon disulfide		0.93	J D	1.3	ppb v/v	TO-15
Carbon disulfide		2.9	J D	3.9	ug/m3	TO-15
tert-Butyl alcohol		1.4	J D	13	ppb v/v	TO-15
tert-Butyl alcohol		4.3	J D	38	ug/m3	TO-15
Methyl tert-butyl ether		0.11	J D	0.50	ppb v/v	TO-15
Methyl tert-butyl ether		0.41	J D	1.8	ug/m3	TO-15
n-Hexane		0.49	J D	0.50	ppb v/v	TO-15
n-Hexane		1.7	J D	1.8	ug/m3	TO-15
Methyl Ethyl Ketone		6.9	D	1.3	ppb v/v	TO-15
Methyl Ethyl Ketone		20	D	3.7	ug/m3	TO-15
Chloroform		5.1	D	0.50	ppb v/v	TO-15
Chloroform		25	D	2.4	ug/m3	TO-15
Tetrahydrofuran		8.2	J D	13	ppb v/v	TO-15
Tetrahydrofuran		24	J D	37	ug/m3	TO-15
1,1,1-Trichloroethane		0.19	J D	0.50	ppb v/v	TO-15
1,1,1-Trichloroethane		1.0	J D	2.7	ug/m3	TO-15
Cyclohexane		0.39	J D M	0.50	ppb v/v	TO-15
Cyclohexane		1.4	J D M	1.7	ug/m3	TO-15
Carbon tetrachloride		0.12	J D	0.50	ppb v/v	TO-15
Carbon tetrachloride		0.74	J D	3.1	ug/m3	TO-15
2,2,4-Trimethylpentane		0.12	J D	0.50	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.56	J D	2.3	ug/m3	TO-15
Benzene		0.28	J D	0.50	ppb v/v	TO-15
Benzene		0.89	J D	1.6	ug/m3	TO-15
Trichloroethene		3.6	D	0.50	ppb v/v	TO-15
Trichloroethene		20	D	2.7	ug/m3	TO-15
Methyl methacrylate		0.36	J D	1.3	ppb v/v	TO-15
Methyl methacrylate		1.5	J D	5.1	ug/m3	TO-15
Toluene		12	D	0.50	ppb v/v	TO-15
Toluene		44	D	1.9	ug/m3	TO-15
Tetrachloroethene		0.13	J D	0.50	ppb v/v	TO-15
Tetrachloroethene		0.85	J D	3.4	ug/m3	TO-15
Chlorobenzene		0.20	J D	0.50	ppb v/v	TO-15
Chlorobenzene		0.94	J D	2.3	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Ethylbenzene		1.1	D	0.50	ppb v/v	TO-15
Ethylbenzene		4.7	D	2.2	ug/m3	TO-15
m,p-Xylene		4.0	D	1.3	ppb v/v	TO-15
m,p-Xylene		17	D	5.4	ug/m3	TO-15
Xylene, o-		1.1	D	0.50	ppb v/v	TO-15
Xylene, o-		4.9	D	2.2	ug/m3	TO-15
Xylene (total)		5.1		0.50	ppb v/v	TO-15
Xylene (total)		22		2.2	ug/m3	TO-15
Styrene		0.46	J D	0.50	ppb v/v	TO-15
Styrene		2.0	J D	2.1	ug/m3	TO-15
Cumene		0.12	J D	0.50	ppb v/v	TO-15
Cumene		0.61	J D	2.5	ug/m3	TO-15
n-Propylbenzene		0.20	J D	0.50	ppb v/v	TO-15
n-Propylbenzene		0.99	J D	2.5	ug/m3	TO-15
4-Ethyltoluene		0.33	J D	0.50	ppb v/v	TO-15
4-Ethyltoluene		1.6	J D	2.5	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.30	J D	0.50	ppb v/v	TO-15
1,3,5-Trimethylbenzene		1.5	J D	2.5	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.96	D	0.50	ppb v/v	TO-15
1,2,4-Trimethylbenzene		4.7	D	2.5	ug/m3	TO-15
4-Isopropyltoluene		0.34	J D	0.50	ppb v/v	TO-15
4-Isopropyltoluene		1.9	J D	2.7	ug/m3	TO-15
1,3-Dichlorobenzene		0.98	D	0.50	ppb v/v	TO-15
1,3-Dichlorobenzene		5.9	D	3.0	ug/m3	TO-15
1,4-Dichlorobenzene		0.076	J D	0.50	ppb v/v	TO-15
1,4-Dichlorobenzene		0.45	J D	3.0	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-61460-2	**101VMP0201EA**					
Freon 22		0.97	J D	5.0	ppb v/v	TO-15
Freon 22		3.4	J D	18	ug/m3	TO-15
Trichlorofluoromethane		1.1	J D	2.0	ppb v/v	TO-15
Trichlorofluoromethane		6.0	J D	11	ug/m3	TO-15
Acetone		21	J D	50	ppb v/v	TO-15
Acetone		51	J D	120	ug/m3	TO-15
Isopropyl alcohol		3.6	J D	50	ppb v/v	TO-15
Isopropyl alcohol		8.8	J D	120	ug/m3	TO-15
Carbon disulfide		4.6	J D	5.0	ppb v/v	TO-15
Carbon disulfide		14	J D	16	ug/m3	TO-15
Tetrahydrofuran		240	D	50	ppb v/v	TO-15
Tetrahydrofuran		700	D	150	ug/m3	TO-15
Benzene		2.6	D	2.0	ppb v/v	TO-15
Benzene		8.2	D	6.4	ug/m3	TO-15
Trichloroethene		24	D	2.0	ppb v/v	TO-15
Trichloroethene		130	D	11	ug/m3	TO-15
Toluene		140	D	2.0	ppb v/v	TO-15
Toluene		540	D	7.5	ug/m3	TO-15
Tetrachloroethene		1.5	J D	2.0	ppb v/v	TO-15
Tetrachloroethene		10	J D	14	ug/m3	TO-15
Ethylbenzene		210	D	2.0	ppb v/v	TO-15
Ethylbenzene		910	D	8.7	ug/m3	TO-15
m,p-Xylene		640	D	5.0	ppb v/v	TO-15
m,p-Xylene		2800	D	22	ug/m3	TO-15
Xylene, o-		250	D	2.0	ppb v/v	TO-15
Xylene, o-		1100	D	8.7	ug/m3	TO-15
Xylene (total)		890		2.0	ppb v/v	TO-15
Xylene (total)		3900		8.7	ug/m3	TO-15
Styrene		5.3	D M	2.0	ppb v/v	TO-15
Styrene		22	D M	8.5	ug/m3	TO-15
4-Ethyltoluene		5.3	D	2.0	ppb v/v	TO-15
4-Ethyltoluene		26	D	9.8	ug/m3	TO-15
1,3,5-Trimethylbenzene		8.0	D	2.0	ppb v/v	TO-15
1,3,5-Trimethylbenzene		39	D	9.8	ug/m3	TO-15
1,2,4-Trimethylbenzene		14	D	2.0	ppb v/v	TO-15
1,2,4-Trimethylbenzene		68	D	9.8	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID	Client Sample ID					
Analyte		Result	Qualifier	Reporting Limit	Units	Method
280-61460-3	**101VMP0301EA**					
Acetone		140	D	140	ppb v/v	TO-15
Acetone		330	D	340	ug/m3	TO-15
Isopropyl alcohol		8.6	J D	140	ppb v/v	TO-15
Isopropyl alcohol		21	J D	350	ug/m3	TO-15
Carbon disulfide		2.3	J D	14	ppb v/v	TO-15
Carbon disulfide		7.1	J D	44	ug/m3	TO-15
Methyl Ethyl Ketone		180	D	14	ppb v/v	TO-15
Methyl Ethyl Ketone		540	D	42	ug/m3	TO-15
Tetrahydrofuran		650	D	140	ppb v/v	TO-15
Tetrahydrofuran		1900	D	420	ug/m3	TO-15
Trichloroethene		7.2	D	5.7	ppb v/v	TO-15
Trichloroethene		39	D	30	ug/m3	TO-15
methyl isobutyl ketone		120	D	14	ppb v/v	TO-15
methyl isobutyl ketone		500	D	58	ug/m3	TO-15
Toluene		390	D	5.7	ppb v/v	TO-15
Toluene		1500	D	21	ug/m3	TO-15
Tetrachloroethene		4.0	J D	5.7	ppb v/v	TO-15
Tetrachloroethene		27	J D	38	ug/m3	TO-15
Ethylbenzene		7.2	D	5.7	ppb v/v	TO-15
Ethylbenzene		31	D	25	ug/m3	TO-15
m,p-Xylene		31	D	14	ppb v/v	TO-15
m,p-Xylene		130	D	61	ug/m3	TO-15
Xylene, o-		11	D	5.7	ppb v/v	TO-15
Xylene, o-		48	D	25	ug/m3	TO-15
Xylene (total)		42		5.7	ppb v/v	TO-15
Xylene (total)		180		25	ug/m3	TO-15
Styrene		4.4	J D	5.7	ppb v/v	TO-15
Styrene		19	J D	24	ug/m3	TO-15
1,2,4-Trimethylbenzene		1.0	J D	5.7	ppb v/v	TO-15
1,2,4-Trimethylbenzene		5.0	J D	28	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-61460-4	**101VMP0101EC**					
Dichlorodifluoromethane		0.45	J D	1.5	ppb v/v	TO-15
Dichlorodifluoromethane		2.2	J D	7.5	ug/m3	TO-15
Freon 22		0.42	J D	1.5	ppb v/v	TO-15
Freon 22		1.5	J D	5.4	ug/m3	TO-15
Trichlorofluoromethane		0.42	J D	0.61	ppb v/v	TO-15
Trichlorofluoromethane		2.4	J D	3.4	ug/m3	TO-15
Acetone		65	D	15	ppb v/v	TO-15
Acetone		150	D	36	ug/m3	TO-15
Isopropyl alcohol		20	D	15	ppb v/v	TO-15
Isopropyl alcohol		49	D	37	ug/m3	TO-15
Carbon disulfide		0.52	J D	1.5	ppb v/v	TO-15
Carbon disulfide		1.6	J D	4.7	ug/m3	TO-15
tert-Butyl alcohol		1.7	J D	15	ppb v/v	TO-15
tert-Butyl alcohol		5.2	J D	46	ug/m3	TO-15
Methyl tert-butyl ether		0.14	J D	0.61	ppb v/v	TO-15
Methyl tert-butyl ether		0.49	J D	2.2	ug/m3	TO-15
n-Hexane		0.39	J D	0.61	ppb v/v	TO-15
n-Hexane		1.4	J D	2.1	ug/m3	TO-15
Methyl Ethyl Ketone		7.3	D	1.5	ppb v/v	TO-15
Methyl Ethyl Ketone		22	D	4.5	ug/m3	TO-15
Chloroform		5.2	D	0.61	ppb v/v	TO-15
Chloroform		25	D	3.0	ug/m3	TO-15
Tetrahydrofuran		9.5	J D	15	ppb v/v	TO-15
Tetrahydrofuran		28	J D	45	ug/m3	TO-15
1,1,1-Trichloroethane		0.12	J D	0.61	ppb v/v	TO-15
1,1,1-Trichloroethane		0.67	J D	3.3	ug/m3	TO-15
Cyclohexane		0.43	J D	0.61	ppb v/v	TO-15
Cyclohexane		1.5	J D	2.1	ug/m3	TO-15
Carbon tetrachloride		0.10	J D	0.61	ppb v/v	TO-15
Carbon tetrachloride		0.66	J D	3.8	ug/m3	TO-15
2,2,4-Trimethylpentane		0.12	J D	0.61	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.57	J D	2.8	ug/m3	TO-15
Benzene		0.27	J D	0.61	ppb v/v	TO-15
Benzene		0.86	J D	1.9	ug/m3	TO-15
Trichloroethene		3.3	D	0.61	ppb v/v	TO-15
Trichloroethene		17	D	3.3	ug/m3	TO-15
Methyl methacrylate		0.37	J D	1.5	ppb v/v	TO-15
Methyl methacrylate		1.5	J D	6.2	ug/m3	TO-15
Toluene		9.2	D	0.61	ppb v/v	TO-15
Toluene		35	D	2.3	ug/m3	TO-15
Chlorobenzene		0.13	J D	0.61	ppb v/v	TO-15
Chlorobenzene		0.62	J D	2.8	ug/m3	TO-15
Ethylbenzene		1.0	D	0.61	ppb v/v	TO-15
Ethylbenzene		4.4	D	2.6	ug/m3	TO-15
m,p-Xylene		3.6	D	1.5	ppb v/v	TO-15
m,p-Xylene		15	D	6.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID	Client Sample ID			Reporting		
Analyte		Result	Qualifier	Limit	Units	Method
Xylene, o-		1.0	D	0.61	ppb v/v	TO-15
Xylene, o-		4.4	D	2.6	ug/m3	TO-15
Xylene (total)		4.6		0.61	ppb v/v	TO-15
Xylene (total)		20		2.6	ug/m3	TO-15
Styrene		0.48	J D	0.61	ppb v/v	TO-15
Styrene		2.0	J D	2.6	ug/m3	TO-15
Cumene		0.12	J D	0.61	ppb v/v	TO-15
Cumene		0.57	J D	3.0	ug/m3	TO-15
4-Ethyltoluene		0.28	J D	0.61	ppb v/v	TO-15
4-Ethyltoluene		1.4	J D	3.0	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.27	J D	0.61	ppb v/v	TO-15
1,3,5-Trimethylbenzene		1.3	J D	3.0	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.86	D	0.61	ppb v/v	TO-15
1,2,4-Trimethylbenzene		4.2	D	3.0	ug/m3	TO-15
1,3-Dichlorobenzene		1.1	D	0.61	ppb v/v	TO-15
1,3-Dichlorobenzene		6.7	D	3.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 280-61460-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-61460-5	**101IA0305EA**					
Dichlorodifluoromethane		0.43	J D	1.3	ppb v/v	TO-15
Dichlorodifluoromethane		2.1	J D	6.2	ug/m3	TO-15
Freon 22		0.26	J D	1.3	ppb v/v	TO-15
Freon 22		0.92	J D	4.4	ug/m3	TO-15
Chloromethane		0.58	J D	1.3	ppb v/v	TO-15
Chloromethane		1.2	J D	2.6	ug/m3	TO-15
n-Butane		1.7	D	1.3	ppb v/v	TO-15
n-Butane		4.1	D	3.0	ug/m3	TO-15
Trichlorofluoromethane		0.23	J D	0.50	ppb v/v	TO-15
Trichlorofluoromethane		1.3	J D	2.8	ug/m3	TO-15
Acetone		44	D	13	ppb v/v	TO-15
Acetone		100	D	30	ug/m3	TO-15
Isopropyl alcohol		52	D	13	ppb v/v	TO-15
Isopropyl alcohol		130	D	31	ug/m3	TO-15
Carbon disulfide		4.3	D	1.3	ppb v/v	TO-15
Carbon disulfide		13	D	3.9	ug/m3	TO-15
Methylene Chloride		0.34	J D	1.3	ppb v/v	TO-15
Methylene Chloride		1.2	J D	4.3	ug/m3	TO-15
n-Hexane		0.51	D	0.50	ppb v/v	TO-15
n-Hexane		1.8	D	1.8	ug/m3	TO-15
Methyl Ethyl Ketone		1.3	D	1.3	ppb v/v	TO-15
Methyl Ethyl Ketone		3.8	D	3.7	ug/m3	TO-15
Tetrahydrofuran		1.0	J D	13	ppb v/v	TO-15
Tetrahydrofuran		3.0	J D	37	ug/m3	TO-15
Cyclohexane		0.24	J D M	0.50	ppb v/v	TO-15
Cyclohexane		0.84	J D M	1.7	ug/m3	TO-15
Carbon tetrachloride		0.057	J D	0.50	ppb v/v	TO-15
Carbon tetrachloride		0.36	J D	3.1	ug/m3	TO-15
2,2,4-Trimethylpentane		0.19	J D	0.50	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.87	J D	2.3	ug/m3	TO-15
Benzene		0.27	J D	0.50	ppb v/v	TO-15
Benzene		0.86	J D	1.6	ug/m3	TO-15
Toluene		17	D	0.50	ppb v/v	TO-15
Toluene		63	D	1.9	ug/m3	TO-15
Chlorobenzene		0.23	J D	0.50	ppb v/v	TO-15
Chlorobenzene		1.1	J D	2.3	ug/m3	TO-15
Ethylbenzene		0.64	D M	0.50	ppb v/v	TO-15
Ethylbenzene		2.8	D M	2.2	ug/m3	TO-15
m,p-Xylene		2.4	D	1.3	ppb v/v	TO-15
m,p-Xylene		10	D	5.4	ug/m3	TO-15
Xylene, o-		0.58	D	0.50	ppb v/v	TO-15
Xylene, o-		2.5	D	2.2	ug/m3	TO-15
Xylene (total)		3.0		0.50	ppb v/v	TO-15
Xylene (total)		13		2.2	ug/m3	TO-15
4-Ethyltoluene		0.10	J D	0.50	ppb v/v	TO-15
4-Ethyltoluene		0.52	J D	2.5	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID	Client Sample ID			Reporting		
Analyte		Result	Qualifier	Limit	Units	Method
1,3,5-Trimethylbenzene		0.10	J D	0.50	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.51	J D	2.5	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.34	J D	0.50	ppb v/v	TO-15
1,2,4-Trimethylbenzene		1.7	J D	2.5	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-61460-6	**101IA0405EA**					
Dichlorodifluoromethane		0.47	J	0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.3	J	2.5	ug/m3	TO-15
Freon 22		0.27	J	0.50	ppb v/v	TO-15
Freon 22		0.96	J	1.8	ug/m3	TO-15
Chloromethane		0.53		0.50	ppb v/v	TO-15
Chloromethane		1.1		1.0	ug/m3	TO-15
n-Butane		0.64		0.50	ppb v/v	TO-15
n-Butane		1.5		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.33		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.8		1.1	ug/m3	TO-15
Freon TF		0.079	J	0.20	ppb v/v	TO-15
Freon TF		0.61	J	1.5	ug/m3	TO-15
Acetone		20		5.0	ppb v/v	TO-15
Acetone		48		12	ug/m3	TO-15
Isopropyl alcohol		15		5.0	ppb v/v	TO-15
Isopropyl alcohol		37		12	ug/m3	TO-15
Methylene Chloride		0.21	J M	0.50	ppb v/v	TO-15
Methylene Chloride		0.74	J M	1.7	ug/m3	TO-15
n-Hexane		0.21		0.20	ppb v/v	TO-15
n-Hexane		0.76		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.1		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		3.3		1.5	ug/m3	TO-15
Tetrahydrofuran		0.34	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		1.0	J	15	ug/m3	TO-15
Cyclohexane		0.12	J M	0.20	ppb v/v	TO-15
Cyclohexane		0.40	J M	0.69	ug/m3	TO-15
Carbon tetrachloride		0.077	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.49	J	1.3	ug/m3	TO-15
2,2,4-Trimethylpentane		0.081	J	0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.38	J	0.93	ug/m3	TO-15
Benzene		0.16	J	0.20	ppb v/v	TO-15
Benzene		0.50	J	0.64	ug/m3	TO-15
methyl isobutyl ketone		0.52		0.50	ppb v/v	TO-15
methyl isobutyl ketone		2.1		2.0	ug/m3	TO-15
Toluene		6.4		0.20	ppb v/v	TO-15
Toluene		24		0.75	ug/m3	TO-15
Ethylbenzene		0.40		0.20	ppb v/v	TO-15
Ethylbenzene		1.8		0.87	ug/m3	TO-15
m,p-Xylene		1.8		0.50	ppb v/v	TO-15
m,p-Xylene		7.9		2.2	ug/m3	TO-15
Xylene, o-		0.51		0.20	ppb v/v	TO-15
Xylene, o-		2.2		0.87	ug/m3	TO-15
Xylene (total)		2.3		0.20	ppb v/v	TO-15
Xylene (total)		10		0.87	ug/m3	TO-15
Styrene		0.077	J	0.20	ppb v/v	TO-15
Styrene		0.33	J	0.85	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID	Client Sample ID			Reporting		
Analyte		Result	Qualifier	Limit	Units	Method
Cumene		0.020	J	0.20	ppb v/v	TO-15
Cumene		0.099	J	0.98	ug/m3	TO-15
4-Ethyltoluene		0.042	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.21	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.047	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.23	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.14	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.69	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-61460-7	**101OA0305EA**					
Dichlorodifluoromethane		0.49	J D	0.67	ppb v/v	TO-15
Dichlorodifluoromethane		2.4	J D	3.3	ug/m3	TO-15
Freon 22		0.25	J D	0.67	ppb v/v	TO-15
Freon 22		0.89	J D	2.4	ug/m3	TO-15
Chloromethane		0.61	J D	0.67	ppb v/v	TO-15
Chloromethane		1.3	J D	1.4	ug/m3	TO-15
Trichlorofluoromethane		0.24	J D	0.27	ppb v/v	TO-15
Trichlorofluoromethane		1.4	J D	1.5	ug/m3	TO-15
Freon TF		0.083	J D	0.27	ppb v/v	TO-15
Freon TF		0.64	J D	2.1	ug/m3	TO-15
Acetone		7.9	D	6.7	ppb v/v	TO-15
Acetone		19	D	16	ug/m3	TO-15
Carbon disulfide		0.61	J D	0.67	ppb v/v	TO-15
Carbon disulfide		1.9	J D	2.1	ug/m3	TO-15
Methylene Chloride		0.18	J D	0.67	ppb v/v	TO-15
Methylene Chloride		0.63	J D	2.3	ug/m3	TO-15
n-Hexane		0.12	J D	0.27	ppb v/v	TO-15
n-Hexane		0.42	J D	0.94	ug/m3	TO-15
Methyl Ethyl Ketone		1.5	D	0.67	ppb v/v	TO-15
Methyl Ethyl Ketone		4.4	D	2.0	ug/m3	TO-15
Carbon tetrachloride		0.074	J D	0.27	ppb v/v	TO-15
Carbon tetrachloride		0.47	J D	1.7	ug/m3	TO-15
2,2,4-Trimethylpentane		0.18	J D	0.27	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.85	J D	1.3	ug/m3	TO-15
Benzene		0.096	J D	0.27	ppb v/v	TO-15
Benzene		0.31	J D	0.86	ug/m3	TO-15
1,4-Dioxane		1.0	J D	6.7	ppb v/v	TO-15
1,4-Dioxane		3.7	J D	24	ug/m3	TO-15
Toluene		1.7	D	0.27	ppb v/v	TO-15
Toluene		6.5	D	1.0	ug/m3	TO-15
Tetrachloroethene		0.049	J D	0.27	ppb v/v	TO-15
Tetrachloroethene		0.33	J D	1.8	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.27	J D	0.67	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		1.1	J D	2.7	ug/m3	TO-15
Ethylbenzene		0.11	J D	0.27	ppb v/v	TO-15
Ethylbenzene		0.48	J D	1.2	ug/m3	TO-15
m,p-Xylene		0.45	J D	0.67	ppb v/v	TO-15
m,p-Xylene		2.0	J D	2.9	ug/m3	TO-15
Xylene, o-		0.16	J D	0.27	ppb v/v	TO-15
Xylene, o-		0.70	J D	1.2	ug/m3	TO-15
Xylene (total)		0.61		0.27	ppb v/v	TO-15
Xylene (total)		2.6		1.2	ug/m3	TO-15
Styrene		0.025	J D	0.27	ppb v/v	TO-15
Styrene		0.11	J D	1.1	ug/m3	TO-15
Cumene		0.066	J D	0.27	ppb v/v	TO-15
Cumene		0.32	J D	1.3	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID	Client Sample ID			Reporting		
Analyte		Result	Qualifier	Limit	Units	Method
n-Propylbenzene		0.19	J D	0.27	ppb v/v	TO-15
n-Propylbenzene		0.93	J D	1.3	ug/m3	TO-15
4-Ethyltoluene		0.10	J D	0.27	ppb v/v	TO-15
4-Ethyltoluene		0.50	J D	1.3	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.070	J D	0.27	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.34	J D	1.3	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.43	D	0.27	ppb v/v	TO-15
1,2,4-Trimethylbenzene		2.1	D	1.3	ug/m3	TO-15
Naphthalene		0.34	J D	0.67	ppb v/v	TO-15
Naphthalene		1.8	J D	3.5	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-61460-8	**101CA01EA**					
Dichlorodifluoromethane		0.54		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.7		2.5	ug/m3	TO-15
Freon 22		0.46	J	0.50	ppb v/v	TO-15
Freon 22		1.6	J	1.8	ug/m3	TO-15
n-Butane		0.29	J	0.50	ppb v/v	TO-15
n-Butane		0.68	J	1.2	ug/m3	TO-15
Trichlorofluoromethane		0.58		0.20	ppb v/v	TO-15
Trichlorofluoromethane		3.2		1.1	ug/m3	TO-15
Freon TF		0.17	J	0.20	ppb v/v	TO-15
Freon TF		1.3	J	1.5	ug/m3	TO-15
Acetone		7.4		5.0	ppb v/v	TO-15
Acetone		18		12	ug/m3	TO-15
Isopropyl alcohol		1.1	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		2.7	J	12	ug/m3	TO-15
Carbon disulfide		1.6		0.50	ppb v/v	TO-15
Carbon disulfide		5.1		1.6	ug/m3	TO-15
Methylene Chloride		0.18	J M	0.50	ppb v/v	TO-15
Methylene Chloride		0.63	J M	1.7	ug/m3	TO-15
tert-Butyl alcohol		0.87	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		2.6	J	15	ug/m3	TO-15
Methyl tert-butyl ether		0.035	J	0.20	ppb v/v	TO-15
Methyl tert-butyl ether		0.13	J	0.72	ug/m3	TO-15
n-Hexane		0.11	J	0.20	ppb v/v	TO-15
n-Hexane		0.38	J	0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.4		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		4.2		1.5	ug/m3	TO-15
Chloroform		23		0.20	ppb v/v	TO-15
Chloroform		110		0.98	ug/m3	TO-15
Tetrahydrofuran		1.1	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		3.2	J	15	ug/m3	TO-15
1,1,1-Trichloroethane		0.35		0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		1.9		1.1	ug/m3	TO-15
Cyclohexane		0.11	J M	0.20	ppb v/v	TO-15
Cyclohexane		0.38	J M	0.69	ug/m3	TO-15
Carbon tetrachloride		0.45		0.20	ppb v/v	TO-15
Carbon tetrachloride		2.9		1.3	ug/m3	TO-15
Benzene		0.098	J	0.20	ppb v/v	TO-15
Benzene		0.31	J	0.64	ug/m3	TO-15
n-Heptane		0.16	J	0.20	ppb v/v	TO-15
n-Heptane		0.64	J	0.82	ug/m3	TO-15
Trichloroethene		9.9		0.20	ppb v/v	TO-15
Trichloroethene		53		1.1	ug/m3	TO-15
Methyl methacrylate		0.11	J	0.50	ppb v/v	TO-15
Methyl methacrylate		0.44	J	2.0	ug/m3	TO-15
Bromodichloromethane		0.36		0.20	ppb v/v	TO-15
Bromodichloromethane		2.4		1.3	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID	Client Sample ID			Reporting		
Analyte		Result	Qualifier	Limit	Units	Method
Toluene		19		0.20	ppb v/v	TO-15
Toluene		73		0.75	ug/m3	TO-15
Tetrachloroethene		2.5		0.20	ppb v/v	TO-15
Tetrachloroethene		17		1.4	ug/m3	TO-15
Chlorobenzene		0.040	J	0.20	ppb v/v	TO-15
Chlorobenzene		0.18	J	0.92	ug/m3	TO-15
Ethylbenzene		0.18	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.80	J	0.87	ug/m3	TO-15
m,p-Xylene		0.58		0.50	ppb v/v	TO-15
m,p-Xylene		2.5		2.2	ug/m3	TO-15
Xylene, o-		0.21		0.20	ppb v/v	TO-15
Xylene, o-		0.93		0.87	ug/m3	TO-15
Xylene (total)		0.79		0.20	ppb v/v	TO-15
Xylene (total)		3.4		0.87	ug/m3	TO-15
Styrene		0.12	J	0.20	ppb v/v	TO-15
Styrene		0.53	J	0.85	ug/m3	TO-15
Cumene		0.052	J	0.20	ppb v/v	TO-15
Cumene		0.25	J	0.98	ug/m3	TO-15
4-Ethyltoluene		0.083	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.41	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.083	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.41	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.28		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		1.4		0.98	ug/m3	TO-15
4-Isopropyltoluene		0.17	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.95	J	1.1	ug/m3	TO-15
1,3-Dichlorobenzene		0.46		0.20	ppb v/v	TO-15
1,3-Dichlorobenzene		2.8		1.2	ug/m3	TO-15
1,4-Dichlorobenzene		0.050	J	0.20	ppb v/v	TO-15
1,4-Dichlorobenzene		0.30	J	1.2	ug/m3	TO-15
Naphthalene		0.35	J	0.50	ppb v/v	TO-15
Naphthalene		1.8	J	2.6	ug/m3	TO-15

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-61460-1

Description	Lab Location	Method	Preparation Method
Matrix: Air			
Volatile Organic Compounds in Ambient Air	TAL BUR	EPA TO-15	
Collection via Summa Canister	TAL BUR		Summa Canister

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-61460-1

Method	Analyst	Analyst ID
EPA TO-15	Desjardins, William R	WRD
EPA TO-15	Lyons, Benjamin P	BPL

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101VMP0101EA**

Lab Sample ID: 280-61460-1
Client Matrix: Air

Date Sampled: 10/15/2014 1400
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_009.d
Dilution:	2.5			Initial Weight/Volume:	80 mL
Analysis Date:	10/31/2014 1535			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1535			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.46	J D	0.14	1.3
Freon 22	0.38	J D	0.20	1.3
1,2-Dichlorotetrafluoroethane	0.20	U	0.13	0.50
Chloromethane	0.50	U	0.15	1.3
n-Butane	0.50	U	0.45	1.3
Vinyl chloride	0.075	U	0.065	0.50
1,3-Butadiene	0.20	U	0.090	0.50
Bromomethane	0.20	U	0.11	0.50
Chloroethane	0.20	U	0.15	1.3
Bromoethene(Vinyl Bromide)	0.075	U	0.050	0.50
Trichlorofluoromethane	0.42	J D	0.11	0.50
Freon TF	0.11	J D	0.10	0.50
1,1-Dichloroethene	0.075	U	0.025	0.50
Acetone	62	D	1.7	13
Isopropyl alcohol	19	D	0.38	13
Carbon disulfide	0.93	J D	0.075	1.3
3-Chloropropene	0.50	U	0.40	1.3
Methylene Chloride	0.50	U	0.30	1.3
tert-Butyl alcohol	1.4	J D	0.30	13
Methyl tert-butyl ether	0.11	J D	0.055	0.50
trans-1,2-Dichloroethene	0.075	U	0.068	0.50
n-Hexane	0.49	J D	0.070	0.50
1,1-Dichloroethane	0.075	U	0.070	0.50
Methyl Ethyl Ketone	6.9	D	0.23	1.3
cis-1,2-Dichloroethene	0.20	U	0.075	0.50
1,2-Dichloroethene, Total	0.20	U	0.13	0.50
Chloroform	5.1	D	0.095	0.50
Tetrahydrofuran	8.2	J D	0.45	13
1,1,1-Trichloroethane	0.19	J D	0.075	0.50
Cyclohexane	0.39	J D M	0.025	0.50
Carbon tetrachloride	0.12	J D	0.028	0.50
2,2,4-Trimethylpentane	0.12	J D	0.058	0.50
Benzene	0.28	J D	0.073	0.50
1,2-Dichloroethane	0.20	U	0.13	0.50
n-Heptane	0.20	U	0.093	0.50
Trichloroethene	3.6	D	0.075	0.50
Methyl methacrylate	0.36	J D	0.24	1.3
1,2-Dichloropropane	0.20	U	0.088	0.50
1,4-Dioxane	0.50	U	0.40	13
Bromodichloromethane	0.075	U	0.073	0.50
cis-1,3-Dichloropropene	0.075	U	0.073	0.50
methyl isobutyl ketone	0.50	U	0.45	1.3
Toluene	12	D	0.063	0.50
trans-1,3-Dichloropropene	0.075	U	0.065	0.50
1,1,2-Trichloroethane	0.20	U	0.093	0.50
Tetrachloroethene	0.13	J D	0.075	0.50

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101VMP0101EA**

Lab Sample ID: 280-61460-1
Client Matrix: Air

Date Sampled: 10/15/2014 1400
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_009.d
Dilution:	2.5			Initial Weight/Volume:	80 mL
Analysis Date:	10/31/2014 1535			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1535			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.43	1.3
Dibromochloromethane	0.075	U	0.050	0.50
1,2-Dibromoethane	0.075	U	0.045	0.50
Chlorobenzene	0.20	J D	0.045	0.50
Ethylbenzene	1.1	D	0.050	0.50
m,p-Xylene	4.0	D	0.063	1.3
Xylene, o-	1.1	D	0.045	0.50
Xylene (total)	5.1		0.10	0.50
Styrene	0.46	J D	0.040	0.50
Bromoform	0.075	U	0.063	0.50
Cumene	0.12	J D	0.048	0.50
1,1,2,2-Tetrachloroethane	0.20	U	0.085	0.50
n-Propylbenzene	0.20	J D	0.068	0.50
4-Ethyltoluene	0.33	J D	0.050	0.50
1,3,5-Trimethylbenzene	0.30	J D	0.048	0.50
2-Chlorotoluene	0.20	U	0.078	0.50
tert-Butylbenzene	0.075	U	0.050	0.50
1,2,4-Trimethylbenzene	0.96	D	0.040	0.50
sec-Butylbenzene	0.075	U	0.053	0.50
4-Isopropyltoluene	0.34	J D	0.050	0.50
1,3-Dichlorobenzene	0.98	D	0.050	0.50
1,4-Dichlorobenzene	0.076	J D	0.048	0.50
Benzyl chloride	0.075	U	0.045	0.50
n-Butylbenzene	0.075	U	0.070	0.50
1,2-Dichlorobenzene	0.075	U	0.045	0.50
1,2,4-Trichlorobenzene	0.20	U	0.085	1.3
Hexachlorobutadiene	0.20	U	0.090	0.50
Naphthalene	0.20	U	0.075	1.3

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.3	J D	0.69	6.2
Freon 22	1.4	J D	0.71	4.4
1,2-Dichlorotetrafluoroethane	1.4	U	0.91	3.5
Chloromethane	1.0	U	0.31	2.6
n-Butane	1.2	U	1.1	3.0
Vinyl chloride	0.19	U	0.17	1.3
1,3-Butadiene	0.44	U	0.20	1.1
Bromomethane	0.78	U	0.43	1.9
Chloroethane	0.53	U	0.40	3.3
Bromoethene(Vinyl Bromide)	0.33	U	0.22	2.2
Trichlorofluoromethane	2.4	J D	0.63	2.8
Freon TF	0.82	J D	0.79	3.8
1,1-Dichloroethene	0.30	U	0.099	2.0
Acetone	150	D	4.1	30
Isopropyl alcohol	48	D	0.92	31
Carbon disulfide	2.9	J D	0.23	3.9

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101VMP0101EA**

Lab Sample ID: 280-61460-1
Client Matrix: Air

Date Sampled: 10/15/2014 1400
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_009.d
Dilution:	2.5			Initial Weight/Volume:	80 mL
Analysis Date:	10/31/2014 1535			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1535			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	1.6	U	1.3	3.9
Methylene Chloride	1.7	U	1.0	4.3
tert-Butyl alcohol	4.3	J D	0.91	38
Methyl tert-butyl ether	0.41	J D	0.20	1.8
trans-1,2-Dichloroethene	0.30	U	0.27	2.0
n-Hexane	1.7	J D	0.25	1.8
1,1-Dichloroethane	0.30	U	0.28	2.0
Methyl Ethyl Ketone	20	D	0.68	3.7
cis-1,2-Dichloroethene	0.79	U	0.30	2.0
1,2-Dichloroethene, Total	0.79	U	0.53	2.0
Chloroform	25	D	0.46	2.4
Tetrahydrofuran	24	J D	1.3	37
1,1,1-Trichloroethane	1.0	J D	0.41	2.7
Cyclohexane	1.4	J D M	0.086	1.7
Carbon tetrachloride	0.74	J D	0.17	3.1
2,2,4-Trimethylpentane	0.56	J D	0.27	2.3
Benzene	0.89	J D	0.23	1.6
1,2-Dichloroethane	0.81	U	0.53	2.0
n-Heptane	0.82	U	0.38	2.0
Trichloroethene	20	D	0.40	2.7
Methyl methacrylate	1.5	J D	0.98	5.1
1,2-Dichloropropane	0.92	U	0.40	2.3
1,4-Dioxane	1.8	U	1.4	45
Bromodichloromethane	0.50	U	0.49	3.4
cis-1,3-Dichloropropene	0.34	U	0.33	2.3
methyl isobutyl ketone	2.0	U	1.8	5.1
Toluene	44	D	0.24	1.9
trans-1,3-Dichloropropene	0.34	U	0.30	2.3
1,1,2-Trichloroethane	1.1	U	0.50	2.7
Tetrachloroethene	0.85	J D	0.51	3.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	1.7	5.1
Dibromochloromethane	0.64	U	0.43	4.3
1,2-Dibromoethane	0.58	U	0.35	3.8
Chlorobenzene	0.94	J D	0.21	2.3
Ethylbenzene	4.7	D	0.22	2.2
m,p-Xylene	17	D	0.27	5.4
Xylene, o-	4.9	D	0.20	2.2
Xylene (total)	22		0.45	2.2
Styrene	2.0	J D	0.17	2.1
Bromoform	0.78	U	0.65	5.2
Cumene	0.61	J D	0.23	2.5
1,1,2,2-Tetrachloroethane	1.4	U	0.58	3.4
n-Propylbenzene	0.99	J D	0.33	2.5
4-Ethyltoluene	1.6	J D	0.25	2.5
1,3,5-Trimethylbenzene	1.5	J D	0.23	2.5
2-Chlorotoluene	1.0	U	0.40	2.6

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101VMP0101EA**

Lab Sample ID: 280-61460-1
Client Matrix: Air

Date Sampled: 10/15/2014 1400
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_009.d
Dilution:	2.5			Initial Weight/Volume:	80 mL
Analysis Date:	10/31/2014 1535			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1535			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.41	U	0.27	2.7
1,2,4-Trimethylbenzene	4.7	D	0.20	2.5
sec-Butylbenzene	0.41	U	0.29	2.7
4-Isopropyltoluene	1.9	J D	0.27	2.7
1,3-Dichlorobenzene	5.9	D	0.30	3.0
1,4-Dichlorobenzene	0.45	J D	0.29	3.0
Benzyl chloride	0.39	U	0.23	2.6
n-Butylbenzene	0.41	U	0.38	2.7
1,2-Dichlorobenzene	0.45	U	0.27	3.0
1,2,4-Trichlorobenzene	1.5	U	0.63	9.3
Hexachlorobutadiene	2.1	U	0.96	5.3
Naphthalene	1.0	U	0.39	6.6

Client: FPM Remediations Inc | Job Number: 280-61460-1

Client Sample ID: **101VMP0201EA**

Lab Sample ID: 280-61460-2 | Date Sampled: 10/15/2014 1425
Client Matrix: Air | Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_010.d
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	10/31/2014 1623			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1623			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.0	U	0.56	5.0
Freon 22	0.97	J D	0.80	5.0
1,2-Dichlorotetrafluoroethane	0.80	U	0.52	2.0
Chloromethane	2.0	U	0.60	5.0
n-Butane	2.0	U	1.8	5.0
Vinyl chloride	0.30	U	0.26	2.0
1,3-Butadiene	0.80	U	0.36	2.0
Bromomethane	0.80	U	0.44	2.0
Chloroethane	0.80	U	0.61	5.0
Bromoethene(Vinyl Bromide)	0.30	U	0.20	2.0
Trichlorofluoromethane	1.1	J D	0.45	2.0
Freon TF	0.80	U	0.41	2.0
1,1-Dichloroethene	0.30	U	0.10	2.0
Acetone	21	J D	6.9	50
Isopropyl alcohol	3.6	J D	1.5	50
Carbon disulfide	4.6	J D	0.30	5.0
3-Chloropropene	2.0	U	1.6	5.0
Methylene Chloride	2.0	U	1.2	5.0
tert-Butyl alcohol	2.0	U	1.2	50
Methyl tert-butyl ether	0.30	U	0.22	2.0
trans-1,2-Dichloroethene	0.30	U	0.27	2.0
n-Hexane	0.30	U	0.28	2.0
1,1-Dichloroethane	0.30	U	0.28	2.0
Methyl Ethyl Ketone	2.0	U	0.92	5.0
cis-1,2-Dichloroethene	0.80	U	0.30	2.0
1,2-Dichloroethene, Total	0.80	U	0.53	2.0
Chloroform	0.80	U	0.38	2.0
Tetrahydrofuran	240	D	1.8	50
1,1,1-Trichloroethane	0.80	U	0.30	2.0
Cyclohexane	0.30	U	0.10	2.0
Carbon tetrachloride	0.30	U	0.11	2.0
2,2,4-Trimethylpentane	0.30	U	0.23	2.0
Benzene	2.6	D	0.29	2.0
1,2-Dichloroethane	0.80	U	0.52	2.0
n-Heptane	0.80	U	0.37	2.0
Trichloroethene	24	D	0.30	2.0
Methyl methacrylate	2.0	U	0.96	5.0
1,2-Dichloropropane	0.80	U	0.35	2.0
1,4-Dioxane	2.0	U	1.6	50
Bromodichloromethane	0.30	U	0.29	2.0
cis-1,3-Dichloropropene	0.30	U	0.29	2.0
methyl isobutyl ketone	2.0	U	1.8	5.0
Toluene	140	D	0.25	2.0
trans-1,3-Dichloropropene	0.30	U	0.26	2.0
1,1,2-Trichloroethane	0.80	U	0.37	2.0
Tetrachloroethene	1.5	J D	0.30	2.0

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101VMP0201EA**

Lab Sample ID: 280-61460-2
Client Matrix: Air

Date Sampled: 10/15/2014 1425
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_010.d
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	10/31/2014 1623			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1623			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	2.0	U	1.7	5.0
Dibromochloromethane	0.30	U	0.20	2.0
1,2-Dibromoethane	0.30	U	0.18	2.0
Chlorobenzene	0.30	U	0.18	2.0
Ethylbenzene	210	D	0.20	2.0
m,p-Xylene	640	D	0.25	5.0
Xylene, o-	250	D	0.18	2.0
Xylene (total)	890		0.41	2.0
Styrene	5.3	D M	0.16	2.0
Bromoform	0.30	U	0.25	2.0
Cumene	0.30	U	0.19	2.0
1,1,2,2-Tetrachloroethane	0.80	U	0.34	2.0
n-Propylbenzene	0.30	U	0.27	2.0
4-Ethyltoluene	5.3	D	0.20	2.0
1,3,5-Trimethylbenzene	8.0	D	0.19	2.0
2-Chlorotoluene	0.80	U	0.31	2.0
tert-Butylbenzene	0.30	U	0.20	2.0
1,2,4-Trimethylbenzene	14	D	0.16	2.0
sec-Butylbenzene	0.30	U	0.21	2.0
4-Isopropyltoluene	0.30	U	0.20	2.0
1,3-Dichlorobenzene	0.30	U	0.20	2.0
1,4-Dichlorobenzene	0.30	U	0.19	2.0
Benzyl chloride	0.30	U	0.18	2.0
n-Butylbenzene	0.30	U	0.28	2.0
1,2-Dichlorobenzene	0.30	U	0.18	2.0
1,2,4-Trichlorobenzene	0.80	U	0.34	5.0
Hexachlorobutadiene	0.80	U	0.36	2.0
Naphthalene	0.80	U	0.30	5.0

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	9.9	U	2.8	25
Freon 22	3.4	J D	2.8	18
1,2-Dichlorotetrafluoroethane	5.6	U	3.6	14
Chloromethane	4.1	U	1.2	10
n-Butane	4.8	U	4.3	12
Vinyl chloride	0.77	U	0.66	5.1
1,3-Butadiene	1.8	U	0.80	4.4
Bromomethane	3.1	U	1.7	7.8
Chloroethane	2.1	U	1.6	13
Bromoethene(Vinyl Bromide)	1.3	U	0.87	8.7
Trichlorofluoromethane	6.0	J D	2.5	11
Freon TF	6.1	U	3.1	15
1,1-Dichloroethene	1.2	U	0.40	7.9
Acetone	51	J D	16	120
Isopropyl alcohol	8.8	J D	3.7	120
Carbon disulfide	14	J D	0.93	16

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101VMP0201EA**

Lab Sample ID: 280-61460-2
Client Matrix: Air

Date Sampled: 10/15/2014 1425
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_010.d
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	10/31/2014 1623			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1623			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	6.3	U	5.0	16
Methylene Chloride	6.9	U	4.2	17
tert-Butyl alcohol	6.1	U	3.6	150
Methyl tert-butyl ether	1.1	U	0.79	7.2
trans-1,2-Dichloroethene	1.2	U	1.1	7.9
n-Hexane	1.1	U	0.99	7.0
1,1-Dichloroethane	1.2	U	1.1	8.1
Methyl Ethyl Ketone	5.9	U	2.7	15
cis-1,2-Dichloroethene	3.2	U	1.2	7.9
1,2-Dichloroethene, Total	3.2	U	2.1	7.9
Chloroform	3.9	U	1.9	9.8
Tetrahydrofuran	700	D	5.3	150
1,1,1-Trichloroethane	4.4	U	1.6	11
Cyclohexane	1.0	U	0.34	6.9
Carbon tetrachloride	1.9	U	0.69	13
2,2,4-Trimethylpentane	1.4	U	1.1	9.3
Benzene	8.2	D	0.93	6.4
1,2-Dichloroethane	3.2	U	2.1	8.1
n-Heptane	3.3	U	1.5	8.2
Trichloroethene	130	D	1.6	11
Methyl methacrylate	8.2	U	3.9	20
1,2-Dichloropropane	3.7	U	1.6	9.2
1,4-Dioxane	7.2	U	5.8	180
Bromodichloromethane	2.0	U	1.9	13
cis-1,3-Dichloropropene	1.4	U	1.3	9.1
methyl isobutyl ketone	8.2	U	7.4	20
Toluene	540	D	0.94	7.5
trans-1,3-Dichloropropene	1.4	U	1.2	9.1
1,1,2-Trichloroethane	4.4	U	2.0	11
Tetrachloroethene	10	J D	2.0	14
Methyl Butyl Ketone (2-Hexanone)	8.2	U	7.0	20
Dibromochloromethane	2.6	U	1.7	17
1,2-Dibromoethane	2.3	U	1.4	15
Chlorobenzene	1.4	U	0.83	9.2
Ethylbenzene	910	D	0.87	8.7
m,p-Xylene	2800	D	1.1	22
Xylene, o-	1100	D	0.78	8.7
Xylene (total)	3900		1.8	8.7
Styrene	22	D M	0.68	8.5
Bromoform	3.1	U	2.6	21
Cumene	1.5	U	0.93	9.8
1,1,2,2-Tetrachloroethane	5.5	U	2.3	14
n-Propylbenzene	1.5	U	1.3	9.8
4-Ethyltoluene	26	D	0.98	9.8
1,3,5-Trimethylbenzene	39	D	0.93	9.8
2-Chlorotoluene	4.1	U	1.6	10

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101VMP0201EA**

Lab Sample ID: 280-61460-2
Client Matrix: Air

Date Sampled: 10/15/2014 1425
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_010.d
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	10/31/2014 1623			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1623			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	1.6	U	1.1	11
1,2,4-Trimethylbenzene	68	D	0.79	9.8
sec-Butylbenzene	1.6	U	1.2	11
4-Isopropyltoluene	1.6	U	1.1	11
1,3-Dichlorobenzene	1.8	U	1.2	12
1,4-Dichlorobenzene	1.8	U	1.1	12
Benzyl chloride	1.6	U	0.93	10
n-Butylbenzene	1.6	U	1.5	11
1,2-Dichlorobenzene	1.8	U	1.1	12
1,2,4-Trichlorobenzene	5.9	U	2.5	37
Hexachlorobutadiene	8.5	U	3.8	21
Naphthalene	4.2	U	1.6	26

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101VMP0301EA**

Lab Sample ID: 280-61460-3
Client Matrix: Air

Date Sampled: 10/15/2014 1420
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_011.d
Dilution:	28.3			Initial Weight/Volume:	30 mL
Analysis Date:	10/31/2014 1710			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1710			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	5.7	U	1.6	14
Freon 22	5.7	U	2.3	14
1,2-Dichlorotetrafluoroethane	2.3	U	1.5	5.7
Chloromethane	5.7	U	1.7	14
n-Butane	5.7	U	5.1	14
Vinyl chloride	0.85	U	0.74	5.7
1,3-Butadiene	2.3	U	1.0	5.7
Bromomethane	2.3	U	1.2	5.7
Chloroethane	2.3	U	1.7	14
Bromoethene(Vinyl Bromide)	0.85	U	0.57	5.7
Trichlorofluoromethane	2.3	U	1.3	5.7
Freon TF	2.3	U	1.2	5.7
1,1-Dichloroethene	0.85	U	0.28	5.7
Acetone	140	D	20	140
Isopropyl alcohol	8.6	J D	4.2	140
Carbon disulfide	2.3	J D	0.85	14
3-Chloropropene	5.7	U	4.5	14
Methylene Chloride	5.7	U	3.4	14
tert-Butyl alcohol	5.7	U	3.4	140
Methyl tert-butyl ether	0.85	U	0.62	5.7
trans-1,2-Dichloroethene	0.85	U	0.76	5.7
n-Hexane	0.85	U	0.79	5.7
1,1-Dichloroethane	0.85	U	0.79	5.7
Methyl Ethyl Ketone	180	D	2.6	14
cis-1,2-Dichloroethene	2.3	U	0.85	5.7
1,2-Dichloroethene, Total	2.3	U	1.5	5.7
Chloroform	2.3	U	1.1	5.7
Tetrahydrofuran	650	D	5.1	140
1,1,1-Trichloroethane	2.3	U	0.85	5.7
Cyclohexane	0.85	U	0.28	5.7
Carbon tetrachloride	0.85	U	0.31	5.7
2,2,4-Trimethylpentane	0.85	U	0.65	5.7
Benzene	0.85	U	0.82	5.7
1,2-Dichloroethane	2.3	U	1.5	5.7
n-Heptane	2.3	U	1.0	5.7
Trichloroethene	7.2	D	0.85	5.7
Methyl methacrylate	5.7	U	2.7	14
1,2-Dichloropropane	2.3	U	0.99	5.7
1,4-Dioxane	5.7	U	4.5	140
Bromodichloromethane	0.85	U	0.82	5.7
cis-1,3-Dichloropropene	0.85	U	0.82	5.7
methyl isobutyl ketone	120	D	5.1	14
Toluene	390	D	0.71	5.7
trans-1,3-Dichloropropene	0.85	U	0.74	5.7
1,1,2-Trichloroethane	2.3	U	1.0	5.7
Tetrachloroethene	4.0	J D	0.85	5.7

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101VMP0301EA**

Lab Sample ID: 280-61460-3
Client Matrix: Air

Date Sampled: 10/15/2014 1420
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_011.d
Dilution:	28.3			Initial Weight/Volume:	30 mL
Analysis Date:	10/31/2014 1710			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1710			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	5.7	U	4.8	14
Dibromochloromethane	0.85	U	0.57	5.7
1,2-Dibromoethane	0.85	U	0.51	5.7
Chlorobenzene	0.85	U	0.51	5.7
Ethylbenzene	7.2	D	0.57	5.7
m,p-Xylene	31	D	0.71	14
Xylene, o-	11	D	0.51	5.7
Xylene (total)	42		1.2	5.7
Styrene	4.4	J D	0.45	5.7
Bromoform	0.85	U	0.71	5.7
Cumene	0.85	U	0.54	5.7
1,1,2,2-Tetrachloroethane	2.3	U	0.96	5.7
n-Propylbenzene	0.85	U	0.76	5.7
4-Ethyltoluene	0.85	U	0.57	5.7
1,3,5-Trimethylbenzene	0.85	U	0.54	5.7
2-Chlorotoluene	2.3	U	0.88	5.7
tert-Butylbenzene	0.85	U	0.57	5.7
1,2,4-Trimethylbenzene	1.0	J D	0.45	5.7
sec-Butylbenzene	0.85	U	0.59	5.7
4-Isopropyltoluene	0.85	U	0.57	5.7
1,3-Dichlorobenzene	0.85	U	0.57	5.7
1,4-Dichlorobenzene	0.85	U	0.54	5.7
Benzyl chloride	0.85	U	0.51	5.7
n-Butylbenzene	0.85	U	0.79	5.7
1,2-Dichlorobenzene	0.85	U	0.51	5.7
1,2,4-Trichlorobenzene	2.3	U	0.96	14
Hexachlorobutadiene	2.3	U	1.0	5.7
Naphthalene	2.3	U	0.85	14

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	28	U	7.8	70
Freon 22	20	U	8.0	50
1,2-Dichlorotetrafluoroethane	16	U	10	40
Chloromethane	12	U	3.5	29
n-Butane	13	U	12	34
Vinyl chloride	2.2	U	1.9	14
1,3-Butadiene	5.0	U	2.3	13
Bromomethane	8.8	U	4.8	22
Chloroethane	6.0	U	4.6	37
Bromoethene(Vinyl Bromide)	3.7	U	2.5	25
Trichlorofluoromethane	13	U	7.2	32
Freon TF	17	U	8.9	43
1,1-Dichloroethene	3.4	U	1.1	22
Acetone	330	D	46	340
Isopropyl alcohol	21	J D	10	350
Carbon disulfide	7.1	J D	2.6	44

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101VMP0301EA**

Lab Sample ID: 280-61460-3
Client Matrix: Air

Date Sampled: 10/15/2014 1420
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_011.d
Dilution:	28.3			Initial Weight/Volume:	30 mL
Analysis Date:	10/31/2014 1710			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1710			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	18	U	14	44
Methylene Chloride	20	U	12	49
tert-Butyl alcohol	17	U	10	430
Methyl tert-butyl ether	3.1	U	2.2	20
trans-1,2-Dichloroethene	3.4	U	3.0	22
n-Hexane	3.0	U	2.8	20
1,1-Dichloroethane	3.4	U	3.2	23
Methyl Ethyl Ketone	540	D	7.7	42
cis-1,2-Dichloroethene	9.0	U	3.4	22
1,2-Dichloroethene, Total	9.0	U	5.9	22
Chloroform	11	U	5.3	28
Tetrahydrofuran	1900	D	15	420
1,1,1-Trichloroethane	12	U	4.6	31
Cyclohexane	2.9	U	0.97	19
Carbon tetrachloride	5.3	U	2.0	36
2,2,4-Trimethylpentane	4.0	U	3.0	26
Benzene	2.7	U	2.6	18
1,2-Dichloroethane	9.2	U	6.0	23
n-Heptane	9.3	U	4.3	23
Trichloroethene	39	D	4.6	30
Methyl methacrylate	23	U	11	58
1,2-Dichloropropane	10	U	4.6	26
1,4-Dioxane	20	U	16	510
Bromodichloromethane	5.7	U	5.5	38
cis-1,3-Dichloropropene	3.9	U	3.7	26
methyl isobutyl ketone	500	D	21	58
Toluene	1500	D	2.7	21
trans-1,3-Dichloropropene	3.9	U	3.3	26
1,1,2-Trichloroethane	12	U	5.7	31
Tetrachloroethene	27	J D	5.8	38
Methyl Butyl Ketone (2-Hexanone)	23	U	20	58
Dibromochloromethane	7.2	U	4.8	48
1,2-Dibromoethane	6.5	U	3.9	43
Chlorobenzene	3.9	U	2.3	26
Ethylbenzene	31	D	2.5	25
m,p-Xylene	130	D	3.1	61
Xylene, o-	48	D	2.2	25
Xylene (total)	180		5.0	25
Styrene	19	J D	1.9	24
Bromoform	8.8	U	7.3	59
Cumene	4.2	U	2.6	28
1,1,2,2-Tetrachloroethane	16	U	6.6	39
n-Propylbenzene	4.2	U	3.8	28
4-Ethyltoluene	4.2	U	2.8	28
1,3,5-Trimethylbenzene	4.2	U	2.6	28
2-Chlorotoluene	12	U	4.5	29

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101VMP0301EA**

Lab Sample ID: 280-61460-3
Client Matrix: Air

Date Sampled: 10/15/2014 1420
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_011.d
Dilution:	28.3			Initial Weight/Volume:	30 mL
Analysis Date:	10/31/2014 1710			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1710			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	4.7	U	3.1	31
1,2,4-Trimethylbenzene	5.0	J D	2.2	28
sec-Butylbenzene	4.7	U	3.3	31
4-Isopropyltoluene	4.7	U	3.1	31
1,3-Dichlorobenzene	5.1	U	3.4	34
1,4-Dichlorobenzene	5.1	U	3.2	34
Benzyl chloride	4.4	U	2.6	29
n-Butylbenzene	4.7	U	4.3	31
1,2-Dichlorobenzene	5.1	U	3.1	34
1,2,4-Trichlorobenzene	17	U	7.1	110
Hexachlorobutadiene	24	U	11	60
Naphthalene	12	U	4.5	74

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101VMP0101EC**

Lab Sample ID: 280-61460-4
Client Matrix: Air

Date Sampled: 10/15/2014 1400
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_012.d
Dilution:	3.03			Initial Weight/Volume:	66 mL
Analysis Date:	10/31/2014 1758			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1758			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.45	J D	0.17	1.5
Freon 22	0.42	J D	0.24	1.5
1,2-Dichlorotetrafluoroethane	0.24	U	0.16	0.61
Chloromethane	0.61	U	0.18	1.5
n-Butane	0.61	U	0.55	1.5
Vinyl chloride	0.091	U	0.079	0.61
1,3-Butadiene	0.24	U	0.11	0.61
Bromomethane	0.24	U	0.13	0.61
Chloroethane	0.24	U	0.18	1.5
Bromoethene(Vinyl Bromide)	0.091	U	0.061	0.61
Trichlorofluoromethane	0.42	J D	0.14	0.61
Freon TF	0.24	U	0.12	0.61
1,1-Dichloroethene	0.091	U	0.030	0.61
Acetone	65	D	2.1	15
Isopropyl alcohol	20	D	0.45	15
Carbon disulfide	0.52	J D	0.091	1.5
3-Chloropropene	0.61	U	0.48	1.5
Methylene Chloride	0.61	U	0.36	1.5
tert-Butyl alcohol	1.7	J D	0.36	15
Methyl tert-butyl ether	0.14	J D	0.067	0.61
trans-1,2-Dichloroethene	0.091	U	0.082	0.61
n-Hexane	0.39	J D	0.085	0.61
1,1-Dichloroethane	0.091	U	0.085	0.61
Methyl Ethyl Ketone	7.3	D	0.28	1.5
cis-1,2-Dichloroethene	0.24	U	0.091	0.61
1,2-Dichloroethene, Total	0.24	U	0.16	0.61
Chloroform	5.2	D	0.12	0.61
Tetrahydrofuran	9.5	J D	0.55	15
1,1,1-Trichloroethane	0.12	J D	0.091	0.61
Cyclohexane	0.43	J D	0.030	0.61
Carbon tetrachloride	0.10	J D	0.033	0.61
2,2,4-Trimethylpentane	0.12	J D	0.070	0.61
Benzene	0.27	J D	0.088	0.61
1,2-Dichloroethane	0.24	U	0.16	0.61
n-Heptane	0.24	U	0.11	0.61
Trichloroethene	3.3	D	0.091	0.61
Methyl methacrylate	0.37	J D	0.29	1.5
1,2-Dichloropropane	0.24	U	0.11	0.61
1,4-Dioxane	0.61	U	0.48	15
Bromodichloromethane	0.091	U	0.088	0.61
cis-1,3-Dichloropropene	0.091	U	0.088	0.61
methyl isobutyl ketone	0.61	U	0.55	1.5
Toluene	9.2	D	0.076	0.61
trans-1,3-Dichloropropene	0.091	U	0.079	0.61
1,1,2-Trichloroethane	0.24	U	0.11	0.61
Tetrachloroethene	0.091	U	0.091	0.61

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101VMP0101EC**

Lab Sample ID: 280-61460-4
Client Matrix: Air

Date Sampled: 10/15/2014 1400
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_012.d
Dilution:	3.03			Initial Weight/Volume:	66 mL
Analysis Date:	10/31/2014 1758			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1758			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.61	U	0.52	1.5
Dibromochloromethane	0.091	U	0.061	0.61
1,2-Dibromoethane	0.091	U	0.055	0.61
Chlorobenzene	0.13	J D	0.055	0.61
Ethylbenzene	1.0	D	0.061	0.61
m,p-Xylene	3.6	D	0.076	1.5
Xylene, o-	1.0	D	0.055	0.61
Xylene (total)	4.6		0.12	0.61
Styrene	0.48	J D	0.048	0.61
Bromoform	0.091	U	0.076	0.61
Cumene	0.12	J D	0.058	0.61
1,1,2,2-Tetrachloroethane	0.24	U	0.10	0.61
n-Propylbenzene	0.091	U	0.082	0.61
4-Ethyltoluene	0.28	J D	0.061	0.61
1,3,5-Trimethylbenzene	0.27	J D	0.058	0.61
2-Chlorotoluene	0.24	U	0.094	0.61
tert-Butylbenzene	0.091	U	0.061	0.61
1,2,4-Trimethylbenzene	0.86	D	0.048	0.61
sec-Butylbenzene	0.091	U	0.064	0.61
4-Isopropyltoluene	0.091	U	0.061	0.61
1,3-Dichlorobenzene	1.1	D	0.061	0.61
1,4-Dichlorobenzene	0.091	U	0.058	0.61
Benzyl chloride	0.091	U	0.055	0.61
n-Butylbenzene	0.091	U	0.085	0.61
1,2-Dichlorobenzene	0.091	U	0.055	0.61
1,2,4-Trichlorobenzene	0.24	U	0.10	1.5
Hexachlorobutadiene	0.24	U	0.11	0.61
Naphthalene	0.24	U	0.091	1.5

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.2	J D	0.84	7.5
Freon 22	1.5	J D	0.86	5.4
1,2-Dichlorotetrafluoroethane	1.7	U	1.1	4.2
Chloromethane	1.3	U	0.38	3.1
n-Butane	1.4	U	1.3	3.6
Vinyl chloride	0.23	U	0.20	1.5
1,3-Butadiene	0.54	U	0.24	1.3
Bromomethane	0.94	U	0.52	2.4
Chloroethane	0.64	U	0.49	4.0
Bromoethene(Vinyl Bromide)	0.40	U	0.27	2.7
Trichlorofluoromethane	2.4	J D	0.77	3.4
Freon TF	1.9	U	0.95	4.6
1,1-Dichloroethene	0.36	U	0.12	2.4
Acetone	150	D	5.0	36
Isopropyl alcohol	49	D	1.1	37
Carbon disulfide	1.6	J D	0.28	4.7

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101VMP0101EC**

Lab Sample ID: 280-61460-4
Client Matrix: Air

Date Sampled: 10/15/2014 1400
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_012.d
Dilution:	3.03			Initial Weight/Volume:	66 mL
Analysis Date:	10/31/2014 1758			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1758			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	1.9	U	1.5	4.7
Methylene Chloride	2.1	U	1.3	5.3
tert-Butyl alcohol	5.2	J D	1.1	46
Methyl tert-butyl ether	0.49	J D	0.24	2.2
trans-1,2-Dichloroethene	0.36	U	0.32	2.4
n-Hexane	1.4	J D	0.30	2.1
1,1-Dichloroethane	0.37	U	0.34	2.5
Methyl Ethyl Ketone	22	D	0.82	4.5
cis-1,2-Dichloroethene	0.96	U	0.36	2.4
1,2-Dichloroethene, Total	0.96	U	0.64	2.4
Chloroform	25	D	0.56	3.0
Tetrahydrofuran	28	J D	1.6	45
1,1,1-Trichloroethane	0.67	J D	0.50	3.3
Cyclohexane	1.5	J D	0.10	2.1
Carbon tetrachloride	0.66	J D	0.21	3.8
2,2,4-Trimethylpentane	0.57	J D	0.33	2.8
Benzene	0.86	J D	0.28	1.9
1,2-Dichloroethane	0.98	U	0.64	2.5
n-Heptane	0.99	U	0.46	2.5
Trichloroethene	17	D	0.49	3.3
Methyl methacrylate	1.5	J D	1.2	6.2
1,2-Dichloropropane	1.1	U	0.49	2.8
1,4-Dioxane	2.2	U	1.7	55
Bromodichloromethane	0.61	U	0.59	4.1
cis-1,3-Dichloropropene	0.41	U	0.40	2.8
methyl isobutyl ketone	2.5	U	2.2	6.2
Toluene	35	D	0.29	2.3
trans-1,3-Dichloropropene	0.41	U	0.36	2.8
1,1,2-Trichloroethane	1.3	U	0.61	3.3
Tetrachloroethene	0.62	U	0.62	4.1
Methyl Butyl Ketone (2-Hexanone)	2.5	U	2.1	6.2
Dibromochloromethane	0.77	U	0.52	5.2
1,2-Dibromoethane	0.70	U	0.42	4.7
Chlorobenzene	0.62	J D	0.25	2.8
Ethylbenzene	4.4	D	0.26	2.6
m,p-Xylene	15	D	0.33	6.6
Xylene, o-	4.4	D	0.24	2.6
Xylene (total)	20		0.54	2.6
Styrene	2.0	J D	0.21	2.6
Bromoform	0.94	U	0.78	6.3
Cumene	0.57	J D	0.28	3.0
1,1,2,2-Tetrachloroethane	1.7	U	0.71	4.2
n-Propylbenzene	0.45	U	0.40	3.0
4-Ethyltoluene	1.4	J D	0.30	3.0
1,3,5-Trimethylbenzene	1.3	J D	0.28	3.0
2-Chlorotoluene	1.3	U	0.49	3.1

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101VMP0101EC**

Lab Sample ID: 280-61460-4
Client Matrix: Air

Date Sampled: 10/15/2014 1400
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_012.d
Dilution:	3.03			Initial Weight/Volume:	66 mL
Analysis Date:	10/31/2014 1758			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1758			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.50	U	0.33	3.3
1,2,4-Trimethylbenzene	4.2	D	0.24	3.0
sec-Butylbenzene	0.50	U	0.35	3.3
4-Isopropyltoluene	0.50	U	0.33	3.3
1,3-Dichlorobenzene	6.7	D	0.36	3.6
1,4-Dichlorobenzene	0.55	U	0.35	3.6
Benzyl chloride	0.47	U	0.28	3.1
n-Butylbenzene	0.50	U	0.47	3.3
1,2-Dichlorobenzene	0.55	U	0.33	3.6
1,2,4-Trichlorobenzene	1.8	U	0.76	11
Hexachlorobutadiene	2.6	U	1.2	6.5
Naphthalene	1.3	U	0.48	7.9

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101IA0305EA**

Lab Sample ID: 280-61460-5
Client Matrix: Air

Date Sampled: 10/15/2014 1350
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79779	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10320_12.D
Dilution:	2.5			Initial Weight/Volume:	
Analysis Date:	11/03/2014 1835			Final Weight/Volume:	
Prep Date:	11/03/2014 1835			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.43	J D	0.14	1.3
Freon 22	0.26	J D	0.20	1.3
1,2-Dichlorotetrafluoroethane	0.20	U	0.13	0.50
Chloromethane	0.58	J D	0.15	1.3
n-Butane	1.7	D	0.45	1.3
Vinyl chloride	0.075	U	0.065	0.50
1,3-Butadiene	0.20	U	0.090	0.50
Bromomethane	0.20	U	0.11	0.50
Chloroethane	0.20	U	0.15	1.3
Bromoethene(Vinyl Bromide)	0.075	U	0.050	0.50
Trichlorofluoromethane	0.23	J D	0.11	0.50
Freon TF	0.20	U	0.10	0.50
1,1-Dichloroethene	0.075	U	0.025	0.50
Acetone	44	D	1.7	13
Isopropyl alcohol	52	D	0.38	13
Carbon disulfide	4.3	D	0.075	1.3
3-Chloropropene	0.50	U	0.40	1.3
Methylene Chloride	0.34	J D	0.30	1.3
tert-Butyl alcohol	0.50	U	0.30	13
Methyl tert-butyl ether	0.075	U	0.055	0.50
trans-1,2-Dichloroethene	0.075	U	0.068	0.50
n-Hexane	0.51	D	0.070	0.50
1,1-Dichloroethane	0.075	U	0.070	0.50
Methyl Ethyl Ketone	1.3	D	0.23	1.3
cis-1,2-Dichloroethene	0.20	U	0.075	0.50
1,2-Dichloroethene, Total	0.20	U	0.13	0.50
Chloroform	0.20	U	0.095	0.50
Tetrahydrofuran	1.0	J D	0.45	13
1,1,1-Trichloroethane	0.20	U	0.075	0.50
Cyclohexane	0.24	J D M	0.025	0.50
Carbon tetrachloride	0.057	J D	0.028	0.50
2,2,4-Trimethylpentane	0.19	J D	0.058	0.50
Benzene	0.27	J D	0.073	0.50
1,2-Dichloroethane	0.20	U	0.13	0.50
n-Heptane	0.20	U	0.093	0.50
Trichloroethene	0.075	U	0.075	0.50
Methyl methacrylate	0.50	U	0.24	1.3
1,2-Dichloropropane	0.20	U	0.088	0.50
1,4-Dioxane	0.50	U	0.40	13
Bromodichloromethane	0.075	U	0.073	0.50
cis-1,3-Dichloropropene	0.075	U	0.073	0.50
methyl isobutyl ketone	0.50	U	0.45	1.3
Toluene	17	D	0.063	0.50
trans-1,3-Dichloropropene	0.075	U	0.065	0.50
1,1,2-Trichloroethane	0.20	U	0.093	0.50
Tetrachloroethene	0.075	U	0.075	0.50

Client: FPM Remediations Inc | Job Number: 280-61460-1

Client Sample ID: **101IA0305EA**

Lab Sample ID: 280-61460-5 | Date Sampled: 10/15/2014 1350
Client Matrix: Air | Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79779	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10320_12.D
Dilution:	2.5			Initial Weight/Volume:	
Analysis Date:	11/03/2014 1835			Final Weight/Volume:	
Prep Date:	11/03/2014 1835			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.43	1.3
Dibromochloromethane	0.075	U	0.050	0.50
1,2-Dibromoethane	0.075	U	0.045	0.50
Chlorobenzene	0.23	J D	0.045	0.50
Ethylbenzene	0.64	D M	0.050	0.50
m,p-Xylene	2.4	D	0.063	1.3
Xylene, o-	0.58	D	0.045	0.50
Xylene (total)	3.0		0.10	0.50
Styrene	0.075	U	0.040	0.50
Bromoform	0.075	U	0.063	0.50
Cumene	0.075	U	0.048	0.50
1,1,2,2-Tetrachloroethane	0.20	U	0.085	0.50
n-Propylbenzene	0.075	U	0.068	0.50
4-Ethyltoluene	0.10	J D	0.050	0.50
1,3,5-Trimethylbenzene	0.10	J D	0.048	0.50
2-Chlorotoluene	0.20	U	0.078	0.50
tert-Butylbenzene	0.075	U	0.050	0.50
1,2,4-Trimethylbenzene	0.34	J D	0.040	0.50
sec-Butylbenzene	0.075	U	0.053	0.50
4-Isopropyltoluene	0.075	U	0.050	0.50
1,3-Dichlorobenzene	0.075	U	0.050	0.50
1,4-Dichlorobenzene	0.075	U	0.048	0.50
Benzyl chloride	0.075	U	0.045	0.50
n-Butylbenzene	0.075	U	0.070	0.50
1,2-Dichlorobenzene	0.075	U	0.045	0.50
1,2,4-Trichlorobenzene	0.20	U	0.085	1.3
Hexachlorobutadiene	0.20	U	0.090	0.50
Naphthalene	0.20	U	0.075	1.3

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.1	J D	0.69	6.2
Freon 22	0.92	J D	0.71	4.4
1,2-Dichlorotetrafluoroethane	1.4	U	0.91	3.5
Chloromethane	1.2	J D	0.31	2.6
n-Butane	4.1	D	1.1	3.0
Vinyl chloride	0.19	U	0.17	1.3
1,3-Butadiene	0.44	U	0.20	1.1
Bromomethane	0.78	U	0.43	1.9
Chloroethane	0.53	U	0.40	3.3
Bromoethene(Vinyl Bromide)	0.33	U	0.22	2.2
Trichlorofluoromethane	1.3	J D	0.63	2.8
Freon TF	1.5	U	0.79	3.8
1,1-Dichloroethene	0.30	U	0.099	2.0
Acetone	100	D	4.1	30
Isopropyl alcohol	130	D	0.92	31
Carbon disulfide	13	D	0.23	3.9

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101IA0305EA**

Lab Sample ID: 280-61460-5
Client Matrix: Air

Date Sampled: 10/15/2014 1350
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79779	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10320_12.D
Dilution:	2.5			Initial Weight/Volume:	
Analysis Date:	11/03/2014 1835			Final Weight/Volume:	
Prep Date:	11/03/2014 1835			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	1.6	U	1.3	3.9
Methylene Chloride	1.2	J D	1.0	4.3
tert-Butyl alcohol	1.5	U	0.91	38
Methyl tert-butyl ether	0.27	U	0.20	1.8
trans-1,2-Dichloroethene	0.30	U	0.27	2.0
n-Hexane	1.8	D	0.25	1.8
1,1-Dichloroethane	0.30	U	0.28	2.0
Methyl Ethyl Ketone	3.8	D	0.68	3.7
cis-1,2-Dichloroethene	0.79	U	0.30	2.0
1,2-Dichloroethene, Total	0.79	U	0.53	2.0
Chloroform	0.98	U	0.46	2.4
Tetrahydrofuran	3.0	J D	1.3	37
1,1,1-Trichloroethane	1.1	U	0.41	2.7
Cyclohexane	0.84	J D M	0.086	1.7
Carbon tetrachloride	0.36	J D	0.17	3.1
2,2,4-Trimethylpentane	0.87	J D	0.27	2.3
Benzene	0.86	J D	0.23	1.6
1,2-Dichloroethane	0.81	U	0.53	2.0
n-Heptane	0.82	U	0.38	2.0
Trichloroethene	0.40	U	0.40	2.7
Methyl methacrylate	2.0	U	0.98	5.1
1,2-Dichloropropane	0.92	U	0.40	2.3
1,4-Dioxane	1.8	U	1.4	45
Bromodichloromethane	0.50	U	0.49	3.4
cis-1,3-Dichloropropene	0.34	U	0.33	2.3
methyl isobutyl ketone	2.0	U	1.8	5.1
Toluene	63	D	0.24	1.9
trans-1,3-Dichloropropene	0.34	U	0.30	2.3
1,1,2-Trichloroethane	1.1	U	0.50	2.7
Tetrachloroethene	0.51	U	0.51	3.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	1.7	5.1
Dibromochloromethane	0.64	U	0.43	4.3
1,2-Dibromoethane	0.58	U	0.35	3.8
Chlorobenzene	1.1	J D	0.21	2.3
Ethylbenzene	2.8	D M	0.22	2.2
m,p-Xylene	10	D	0.27	5.4
Xylene, o-	2.5	D	0.20	2.2
Xylene (total)	13		0.45	2.2
Styrene	0.32	U	0.17	2.1
Bromoform	0.78	U	0.65	5.2
Cumene	0.37	U	0.23	2.5
1,1,2,2-Tetrachloroethane	1.4	U	0.58	3.4
n-Propylbenzene	0.37	U	0.33	2.5
4-Ethyltoluene	0.52	J D	0.25	2.5
1,3,5-Trimethylbenzene	0.51	J D	0.23	2.5
2-Chlorotoluene	1.0	U	0.40	2.6

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101IA0305EA**

Lab Sample ID: 280-61460-5
Client Matrix: Air

Date Sampled: 10/15/2014 1350
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79779	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10320_12.D
Dilution:	2.5			Initial Weight/Volume:	
Analysis Date:	11/03/2014 1835			Final Weight/Volume:	
Prep Date:	11/03/2014 1835			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.41	U	0.27	2.7
1,2,4-Trimethylbenzene	1.7	J D	0.20	2.5
sec-Butylbenzene	0.41	U	0.29	2.7
4-Isopropyltoluene	0.41	U	0.27	2.7
1,3-Dichlorobenzene	0.45	U	0.30	3.0
1,4-Dichlorobenzene	0.45	U	0.29	3.0
Benzyl chloride	0.39	U	0.23	2.6
n-Butylbenzene	0.41	U	0.38	2.7
1,2-Dichlorobenzene	0.45	U	0.27	3.0
1,2,4-Trichlorobenzene	1.5	U	0.63	9.3
Hexachlorobutadiene	2.1	U	0.96	5.3
Naphthalene	1.0	U	0.39	6.6

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101IA0405EA**

Lab Sample ID: 280-61460-6
Client Matrix: Air

Date Sampled: 10/15/2014 1410
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 1942			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1942			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.47	J	0.056	0.50
Freon 22	0.27	J	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.53		0.060	0.50
n-Butane	0.64		0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.33		0.045	0.20
Freon TF	0.079	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	20		0.69	5.0
Isopropyl alcohol	15		0.15	5.0
Carbon disulfide	0.080	U	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.21	J M	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.21		0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	1.1		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.20
Chloroform	0.080	U	0.038	0.20
Tetrahydrofuran	0.34	J	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.12	J M	0.010	0.20
Carbon tetrachloride	0.077	J	0.011	0.20
2,2,4-Trimethylpentane	0.081	J	0.023	0.20
Benzene	0.16	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.030	U	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.52		0.18	0.50
Toluene	6.4		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Client: FPM Remediations Inc | Job Number: 280-61460-1

Client Sample ID: **101IA0405EA**

Lab Sample ID: 280-61460-6 | Date Sampled: 10/15/2014 1410
Client Matrix: Air | Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 1942			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1942			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.40		0.020	0.20
m,p-Xylene	1.8		0.025	0.50
Xylene, o-	0.51		0.018	0.20
Xylene (total)	2.3		0.041	0.20
Styrene	0.077	J	0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.020	J	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.042	J	0.020	0.20
1,3,5-Trimethylbenzene	0.047	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.14	J	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.080	U	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.3	J	0.28	2.5
Freon 22	0.96	J	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	1.1		0.12	1.0
n-Butane	1.5		0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.8		0.25	1.1
Freon TF	0.61	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	48		1.6	12
Isopropyl alcohol	37		0.37	12
Carbon disulfide	0.25	U	0.093	1.6

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101IA0405EA**

Lab Sample ID: 280-61460-6
Client Matrix: Air

Date Sampled: 10/15/2014 1410
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 1942			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1942			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.74	J M	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.76		0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	3.3		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	0.79
Chloroform	0.39	U	0.19	0.98
Tetrahydrofuran	1.0	J	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.40	J M	0.034	0.69
Carbon tetrachloride	0.49	J	0.069	1.3
2,2,4-Trimethylpentane	0.38	J	0.11	0.93
Benzene	0.50	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.16	U	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	2.1		0.74	2.0
Toluene	24		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	1.8		0.087	0.87
m,p-Xylene	7.9		0.11	2.2
Xylene, o-	2.2		0.078	0.87
Xylene (total)	10		0.18	0.87
Styrene	0.33	J	0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.099	J	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.21	J	0.098	0.98
1,3,5-Trimethylbenzene	0.23	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101IA0405EA**

Lab Sample ID: 280-61460-6
Client Matrix: Air

Date Sampled: 10/15/2014 1410
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 1942			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1942			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.69	J	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.42	U	0.16	2.6

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101OA0305EA**

Lab Sample ID: 280-61460-7
Client Matrix: Air

Date Sampled: 10/15/2014 1430
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_015.d
Dilution:	1.34			Initial Weight/Volume:	500 mL
Analysis Date:	10/31/2014 2041			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 2041			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.49	J D	0.075	0.67
Freon 22	0.25	J D	0.11	0.67
1,2-Dichlorotetrafluoroethane	0.11	U	0.070	0.27
Chloromethane	0.61	J D	0.080	0.67
n-Butane	0.27	U	0.24	0.67
Vinyl chloride	0.040	U	0.035	0.27
1,3-Butadiene	0.11	U	0.048	0.27
Bromomethane	0.11	U	0.059	0.27
Chloroethane	0.11	U	0.082	0.67
Bromoethene(Vinyl Bromide)	0.040	U	0.027	0.27
Trichlorofluoromethane	0.24	J D	0.060	0.27
Freon TF	0.083	J D	0.055	0.27
1,1-Dichloroethene	0.040	U	0.013	0.27
Acetone	7.9	D	0.92	6.7
Isopropyl alcohol	0.67	U	0.20	6.7
Carbon disulfide	0.61	J D	0.040	0.67
3-Chloropropene	0.27	U	0.21	0.67
Methylene Chloride	0.18	J D	0.16	0.67
tert-Butyl alcohol	0.27	U	0.16	6.7
Methyl tert-butyl ether	0.040	U	0.029	0.27
trans-1,2-Dichloroethene	0.040	U	0.036	0.27
n-Hexane	0.12	J D	0.038	0.27
1,1-Dichloroethane	0.040	U	0.038	0.27
Methyl Ethyl Ketone	1.5	D	0.12	0.67
cis-1,2-Dichloroethene	0.11	U	0.040	0.27
1,2-Dichloroethene, Total	0.11	U	0.071	0.27
Chloroform	0.11	U	0.051	0.27
Tetrahydrofuran	0.27	U	0.24	6.7
1,1,1-Trichloroethane	0.11	U	0.040	0.27
Cyclohexane	0.040	U	0.013	0.27
Carbon tetrachloride	0.074	J D	0.015	0.27
2,2,4-Trimethylpentane	0.18	J D	0.031	0.27
Benzene	0.096	J D	0.039	0.27
1,2-Dichloroethane	0.11	U	0.070	0.27
n-Heptane	0.11	U	0.050	0.27
Trichloroethene	0.040	U	0.040	0.27
Methyl methacrylate	0.27	U	0.13	0.67
1,2-Dichloropropane	0.11	U	0.047	0.27
1,4-Dioxane	1.0	J D	0.21	6.7
Bromodichloromethane	0.040	U	0.039	0.27
cis-1,3-Dichloropropene	0.040	U	0.039	0.27
methyl isobutyl ketone	0.27	U	0.24	0.67
Toluene	1.7	D	0.034	0.27
trans-1,3-Dichloropropene	0.040	U	0.035	0.27
1,1,2-Trichloroethane	0.11	U	0.050	0.27
Tetrachloroethene	0.049	J D	0.040	0.27

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101OA0305EA**

Lab Sample ID: 280-61460-7
Client Matrix: Air

Date Sampled: 10/15/2014 1430
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_015.d
Dilution:	1.34			Initial Weight/Volume:	500 mL
Analysis Date:	10/31/2014 2041			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 2041			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.27	J D	0.23	0.67
Dibromochloromethane	0.040	U	0.027	0.27
1,2-Dibromoethane	0.040	U	0.024	0.27
Chlorobenzene	0.040	U	0.024	0.27
Ethylbenzene	0.11	J D	0.027	0.27
m,p-Xylene	0.45	J D	0.034	0.67
Xylene, o-	0.16	J D	0.024	0.27
Xylene (total)	0.61		0.055	0.27
Styrene	0.025	J D	0.021	0.27
Bromoform	0.040	U	0.034	0.27
Cumene	0.066	J D	0.025	0.27
1,1,2,2-Tetrachloroethane	0.11	U	0.046	0.27
n-Propylbenzene	0.19	J D	0.036	0.27
4-Ethyltoluene	0.10	J D	0.027	0.27
1,3,5-Trimethylbenzene	0.070	J D	0.025	0.27
2-Chlorotoluene	0.11	U	0.042	0.27
tert-Butylbenzene	0.040	U	0.027	0.27
1,2,4-Trimethylbenzene	0.43	D	0.021	0.27
sec-Butylbenzene	0.040	U	0.028	0.27
4-Isopropyltoluene	0.040	U	0.027	0.27
1,3-Dichlorobenzene	0.040	U	0.027	0.27
1,4-Dichlorobenzene	0.040	U	0.025	0.27
Benzyl chloride	0.040	U	0.024	0.27
n-Butylbenzene	0.040	U	0.038	0.27
1,2-Dichlorobenzene	0.040	U	0.024	0.27
1,2,4-Trichlorobenzene	0.11	U	0.046	0.67
Hexachlorobutadiene	0.11	U	0.048	0.27
Naphthalene	0.34	J D	0.040	0.67

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.4	J D	0.37	3.3
Freon 22	0.89	J D	0.38	2.4
1,2-Dichlorotetrafluoroethane	0.75	U	0.49	1.9
Chloromethane	1.3	J D	0.17	1.4
n-Butane	0.64	U	0.57	1.6
Vinyl chloride	0.10	U	0.089	0.69
1,3-Butadiene	0.24	U	0.11	0.59
Bromomethane	0.42	U	0.23	1.0
Chloroethane	0.28	U	0.22	1.8
Bromoethene(Vinyl Bromide)	0.18	U	0.12	1.2
Trichlorofluoromethane	1.4	J D	0.34	1.5
Freon TF	0.64	J D	0.42	2.1
1,1-Dichloroethene	0.16	U	0.053	1.1
Acetone	19	D	2.2	16
Isopropyl alcohol	1.6	U	0.49	16
Carbon disulfide	1.9	J D	0.13	2.1

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101OA0305EA**

Lab Sample ID: 280-61460-7
Client Matrix: Air

Date Sampled: 10/15/2014 1430
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_015.d
Dilution:	1.34			Initial Weight/Volume:	500 mL
Analysis Date:	10/31/2014 2041			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 2041			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.84	U	0.67	2.1
Methylene Chloride	0.63	J D	0.56	2.3
tert-Butyl alcohol	0.81	U	0.49	20
Methyl tert-butyl ether	0.14	U	0.11	0.97
trans-1,2-Dichloroethene	0.16	U	0.14	1.1
n-Hexane	0.42	J D	0.13	0.94
1,1-Dichloroethane	0.16	U	0.15	1.1
Methyl Ethyl Ketone	4.4	D	0.36	2.0
cis-1,2-Dichloroethene	0.43	U	0.16	1.1
1,2-Dichloroethene, Total	0.43	U	0.28	1.1
Chloroform	0.52	U	0.25	1.3
Tetrahydrofuran	0.79	U	0.71	20
1,1,1-Trichloroethane	0.58	U	0.22	1.5
Cyclohexane	0.14	U	0.046	0.92
Carbon tetrachloride	0.47	J D	0.093	1.7
2,2,4-Trimethylpentane	0.85	J D	0.14	1.3
Benzene	0.31	J D	0.12	0.86
1,2-Dichloroethane	0.43	U	0.28	1.1
n-Heptane	0.44	U	0.20	1.1
Trichloroethene	0.22	U	0.22	1.4
Methyl methacrylate	1.1	U	0.53	2.7
1,2-Dichloropropane	0.50	U	0.22	1.2
1,4-Dioxane	3.7	J D	0.77	24
Bromodichloromethane	0.27	U	0.26	1.8
cis-1,3-Dichloropropene	0.18	U	0.18	1.2
methyl isobutyl ketone	1.1	U	0.99	2.7
Toluene	6.5	D	0.13	1.0
trans-1,3-Dichloropropene	0.18	U	0.16	1.2
1,1,2-Trichloroethane	0.58	U	0.27	1.5
Tetrachloroethene	0.33	J D	0.27	1.8
Methyl Butyl Ketone (2-Hexanone)	1.1	J D	0.93	2.7
Dibromochloromethane	0.34	U	0.23	2.3
1,2-Dibromoethane	0.31	U	0.19	2.1
Chlorobenzene	0.19	U	0.11	1.2
Ethylbenzene	0.48	J D	0.12	1.2
m,p-Xylene	2.0	J D	0.15	2.9
Xylene, o-	0.70	J D	0.10	1.2
Xylene (total)	2.6		0.24	1.2
Styrene	0.11	J D	0.091	1.1
Bromoform	0.42	U	0.35	2.8
Cumene	0.32	J D	0.13	1.3
1,1,2,2-Tetrachloroethane	0.74	U	0.31	1.8
n-Propylbenzene	0.93	J D	0.18	1.3
4-Ethyltoluene	0.50	J D	0.13	1.3
1,3,5-Trimethylbenzene	0.34	J D	0.13	1.3
2-Chlorotoluene	0.56	U	0.22	1.4

Client: FPM Remediations Inc | Job Number: 280-61460-1

Client Sample ID: **101OA0305EA**

Lab Sample ID: 280-61460-7 | Date Sampled: 10/15/2014 1430
Client Matrix: Air | Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_015.d
Dilution:	1.34			Initial Weight/Volume:	500 mL
Analysis Date:	10/31/2014 2041			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 2041			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.15	1.5
1,2,4-Trimethylbenzene	2.1	D	0.11	1.3
sec-Butylbenzene	0.22	U	0.15	1.5
4-Isopropyltoluene	0.22	U	0.15	1.5
1,3-Dichlorobenzene	0.24	U	0.16	1.6
1,4-Dichlorobenzene	0.24	U	0.15	1.6
Benzyl chloride	0.21	U	0.12	1.4
n-Butylbenzene	0.22	U	0.21	1.5
1,2-Dichlorobenzene	0.24	U	0.15	1.6
1,2,4-Trichlorobenzene	0.80	U	0.34	5.0
Hexachlorobutadiene	1.1	U	0.51	2.9
Naphthalene	1.8	J D	0.21	3.5

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101CA01EA**

Lab Sample ID: 280-61460-8
Client Matrix: Air

Date Sampled: 10/17/2014 1102
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 2131			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 2131			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.54		0.056	0.50
Freon 22	0.46	J	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.20	U	0.060	0.50
n-Butane	0.29	J	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.58		0.045	0.20
Freon TF	0.17	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	7.4		0.69	5.0
Isopropyl alcohol	1.1	J	0.15	5.0
Carbon disulfide	1.6		0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.18	J M	0.12	0.50
tert-Butyl alcohol	0.87	J	0.12	5.0
Methyl tert-butyl ether	0.035	J	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.11	J	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	1.4		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.20
Chloroform	23		0.038	0.20
Tetrahydrofuran	1.1	J	0.18	5.0
1,1,1-Trichloroethane	0.35		0.030	0.20
Cyclohexane	0.11	J M	0.010	0.20
Carbon tetrachloride	0.45		0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.098	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.16	J	0.037	0.20
Trichloroethene	9.9		0.030	0.20
Methyl methacrylate	0.11	J	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.36		0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	19		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	2.5		0.030	0.20

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101CA01EA**

Lab Sample ID: 280-61460-8
Client Matrix: Air

Date Sampled: 10/17/2014 1102
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 2131			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 2131			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.040	J	0.018	0.20
Ethylbenzene	0.18	J	0.020	0.20
m,p-Xylene	0.58		0.025	0.50
Xylene, o-	0.21		0.018	0.20
Xylene (total)	0.79		0.041	0.20
Styrene	0.12	J	0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.052	J	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.083	J	0.020	0.20
1,3,5-Trimethylbenzene	0.083	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.28		0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.17	J	0.020	0.20
1,3-Dichlorobenzene	0.46		0.020	0.20
1,4-Dichlorobenzene	0.050	J	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.35	J	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.7		0.28	2.5
Freon 22	1.6	J	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.41	U	0.12	1.0
n-Butane	0.68	J	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	3.2		0.25	1.1
Freon TF	1.3	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	18		1.6	12
Isopropyl alcohol	2.7	J	0.37	12
Carbon disulfide	5.1		0.093	1.6

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101CA01EA**

Lab Sample ID: 280-61460-8
Client Matrix: Air

Date Sampled: 10/17/2014 1102
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 2131			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 2131			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.63	J M	0.42	1.7
tert-Butyl alcohol	2.6	J	0.36	15
Methyl tert-butyl ether	0.13	J	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.38	J	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	4.2		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	0.79
Chloroform	110		0.19	0.98
Tetrahydrofuran	3.2	J	0.53	15
1,1,1-Trichloroethane	1.9		0.16	1.1
Cyclohexane	0.38	J M	0.034	0.69
Carbon tetrachloride	2.9		0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.31	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.64	J	0.15	0.82
Trichloroethene	53		0.16	1.1
Methyl methacrylate	0.44	J	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	2.4		0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	73		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	17		0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.18	J	0.083	0.92
Ethylbenzene	0.80	J	0.087	0.87
m,p-Xylene	2.5		0.11	2.2
Xylene, o-	0.93		0.078	0.87
Xylene (total)	3.4		0.18	0.87
Styrene	0.53	J	0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.25	J	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.41	J	0.098	0.98
1,3,5-Trimethylbenzene	0.41	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101CA01EA**

Lab Sample ID: 280-61460-8
Client Matrix: Air

Date Sampled: 10/17/2014 1102
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 2131			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 2131			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	1.4		0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.95	J	0.11	1.1
1,3-Dichlorobenzene	2.8		0.12	1.2
1,4-Dichlorobenzene	0.30	J	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	1.8	J	0.16	2.6

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101514TB**

Lab Sample ID: 280-61460-9TB
Client Matrix: Air

Date Sampled: 10/15/2014 1200
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_017.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 2221			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 2221			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.20	U	0.056	0.50
Freon 22	0.20	U	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.20	U	0.060	0.50
n-Butane	0.20	U	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.080	U	0.045	0.20
Freon TF	0.080	U	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	2.5	U	0.69	5.0
Isopropyl alcohol	0.50	U	0.15	5.0
Carbon disulfide	0.080	U	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.20	U	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.030	U	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.20	U	0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.20
Chloroform	0.080	U	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.030	U	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.030	U	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.030	U	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	0.030	U	0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Client: FPM Remediations Inc | Job Number: 280-61460-1

Client Sample ID: **101514TB**

Lab Sample ID: 280-61460-9TB | Date Sampled: 10/15/2014 1200
Client Matrix: Air | Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_017.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 2221			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 2221			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.030	U	0.020	0.20
m,p-Xylene	0.060	U	0.025	0.50
Xylene, o-	0.030	U	0.018	0.20
Xylene (total)	0.090	U	0.041	0.20
Styrene	0.030	U	0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.030	U	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.030	U	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.080	U	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.99	U	0.28	2.5
Freon 22	0.71	U	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.41	U	0.12	1.0
n-Butane	0.48	U	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	0.45	U	0.25	1.1
Freon TF	0.61	U	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	5.9	U	1.6	12
Isopropyl alcohol	1.2	U	0.37	12
Carbon disulfide	0.25	U	0.093	1.6

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101514TB**

Lab Sample ID: 280-61460-9TB
Client Matrix: Air

Date Sampled: 10/15/2014 1200
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_017.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 2221			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 2221			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.69	U	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.11	U	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	0.59	U	0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	0.79
Chloroform	0.39	U	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.19	U	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.096	U	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.16	U	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	0.11	U	0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.13	U	0.087	0.87
m,p-Xylene	0.26	U	0.11	2.2
Xylene, o-	0.13	U	0.078	0.87
Xylene (total)	0.39	U	0.18	0.87
Styrene	0.13	U	0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.15	U	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: **101514TB**

Lab Sample ID: 280-61460-9TB
Client Matrix: Air

Date Sampled: 10/15/2014 1200
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_017.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 2221			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 2221			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.15	U	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.42	U	0.16	2.6

Client: FPM Remediations Inc

Job Number: 280-61460-1

Method Blank - Batch: 200-79678

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-79678/4	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	10288_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 1123	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1123			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Dichlorodifluoromethane	0.20	U	0.056	0.50
Freon 22	0.20	U	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.20	U	0.060	0.50
n-Butane	0.20	U	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.080	U	0.045	0.20
Freon TF	0.080	U	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	2.5	U	0.69	5.0
Isopropyl alcohol	0.50	U	0.15	5.0
Carbon disulfide	0.080	U	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.20	U	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.030	U	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.20	U	0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.20
Chloroform	0.080	U	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.030	U	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.030	U	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.030	U	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	0.030	U	0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20

Client: FPM Remediations Inc

Job Number: 280-61460-1

Method Blank - Batch: 200-79678

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-79678/4	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	10288_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 1123	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1123			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Tetrachloroethene	0.030	U	0.030	0.20
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.030	U	0.020	0.20
m,p-Xylene	0.060	U	0.025	0.50
Xylene, o-	0.030	U	0.018	0.20
Xylene (total)	0.090	U	0.041	0.20
Styrene	0.030	U	0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.030	U	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.030	U	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.0260	J	0.020	0.20
1,4-Dichlorobenzene	0.0304	J M	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.0262	J	0.018	0.20
1,2,4-Trichlorobenzene	0.0464	J	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.080	U	0.030	0.50

Client: FPM Remediations Inc

Job Number: 280-61460-1

Method Blank - Batch: 200-79678

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-79678/4	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	10288_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 1123	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1123			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Dichlorodifluoromethane	0.99	U	0.28	2.5
Freon 22	0.71	U	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.41	U	0.12	1.0
n-Butane	0.48	U	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	0.45	U	0.25	1.1
Freon TF	0.61	U	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	5.9	U	1.6	12
Isopropyl alcohol	1.2	U	0.37	12
Carbon disulfide	0.25	U	0.093	1.6
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.69	U	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.11	U	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	0.59	U	0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	0.79
Chloroform	0.39	U	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.19	U	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.096	U	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.16	U	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	0.11	U	0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1

Client: FPM Remediations Inc

Job Number: 280-61460-1

Method Blank - Batch: 200-79678

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-79678/4	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	10288_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 1123	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1123			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.13	U	0.087	0.87
m,p-Xylene	0.26	U	0.11	2.2
Xylene, o-	0.13	U	0.078	0.87
Xylene (total)	0.39	U	0.18	0.87
Styrene	0.13	U	0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.15	U	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.15	U	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.156	J	0.12	1.2
1,4-Dichlorobenzene	0.183	J M	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.157	J	0.11	1.2
1,2,4-Trichlorobenzene	0.345	J	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.42	U	0.16	2.6

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Control Sample - Batch: 200-79678

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-79678/3	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	10288_003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 1033	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1033			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	8.91	89	70 - 130	
Freon 22	10.0	8.21	82	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	10.0	100	70 - 130	
Chloromethane	10.0	8.21	82	70 - 130	
n-Butane	10.0	8.45	85	70 - 130	
Vinyl chloride	10.0	8.34	83	70 - 130	
1,3-Butadiene	10.0	8.50	85	70 - 130	
Bromomethane	10.0	8.30	83	70 - 130	
Chloroethane	10.0	8.95	90	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	10.2	102	70 - 130	
Trichlorofluoromethane	10.0	9.33	93	70 - 130	
Freon TF	10.0	9.73	97	70 - 130	
1,1-Dichloroethene	10.0	10.1	101	70 - 130	
Acetone	10.0	9.67	97	70 - 130	
Isopropyl alcohol	10.0	8.30	83	70 - 130	
Carbon disulfide	10.0	11.5	115	70 - 130	
3-Chloropropene	10.0	8.80	88	70 - 130	
Methylene Chloride	10.0	8.62	86	70 - 130	
tert-Butyl alcohol	10.0	9.20	92	70 - 130	
Methyl tert-butyl ether	10.0	10.7	107	70 - 130	
trans-1,2-Dichloroethene	10.0	10.1	101	70 - 130	
n-Hexane	10.0	10.9	109	70 - 130	
1,1-Dichloroethane	10.0	9.43	94	70 - 130	
Methyl Ethyl Ketone	10.0	9.50	95	70 - 130	
cis-1,2-Dichloroethene	10.0	10.4	104	70 - 130	
Chloroform	10.0	9.60	96	70 - 130	
Tetrahydrofuran	10.0	9.21	92	70 - 130	
1,1,1-Trichloroethane	10.0	9.84	98	70 - 130	
Cyclohexane	10.0	11.1	111	70 - 130	
Carbon tetrachloride	10.0	10.2	102	70 - 130	
2,2,4-Trimethylpentane	10.0	10.4	104	70 - 130	
Benzene	10.0	9.88	99	70 - 130	
1,2-Dichloroethane	10.0	9.35	94	70 - 130	
n-Heptane	10.0	9.84	98	70 - 130	
Trichloroethene	10.0	10.5	105	70 - 130	
Methyl methacrylate	10.0	10.2	102	70 - 130	
1,2-Dichloropropane	10.0	9.48	95	70 - 130	
1,4-Dioxane	10.0	9.39	94	70 - 130	
Bromodichloromethane	10.0	9.58	96	70 - 130	
cis-1,3-Dichloropropene	10.0	10.9	109	70 - 130	
methyl isobutyl ketone	10.0	9.41	94	70 - 130	
Toluene	10.0	10.8	108	70 - 130	
trans-1,3-Dichloropropene	10.0	10.4	104	70 - 130	
1,1,2-Trichloroethane	10.0	10.2	102	70 - 130	
Tetrachloroethene	10.0	11.4	114	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.61	96	70 - 130	

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Control Sample - Batch: 200-79678

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-79678/3	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	10288_003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 1033	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1033			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	10.4	104	70 - 130	
1,2-Dibromoethane	10.0	10.8	108	70 - 130	
Chlorobenzene	10.0	10.4	104	70 - 130	
Ethylbenzene	10.0	10.8	108	70 - 130	
m,p-Xylene	20.0	22.1	111	70 - 130	
Xylene, o-	10.0	11.4	114	70 - 130	
Styrene	10.0	11.5	115	70 - 130	
Bromoform	10.0	10.9	110	70 - 130	
Cumene	10.0	11.3	113	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	10.1	101	70 - 130	
n-Propylbenzene	10.0	10.9	109	70 - 130	
4-Ethyltoluene	10.0	11.2	112	70 - 130	
1,3,5-Trimethylbenzene	10.0	10.9	109	70 - 130	
2-Chlorotoluene	10.0	10.3	103	70 - 130	
tert-Butylbenzene	10.0	11.1	111	70 - 130	
1,2,4-Trimethylbenzene	10.0	11.1	111	70 - 130	
sec-Butylbenzene	10.0	11.1	111	70 - 130	
4-Isopropyltoluene	10.0	11.5	115	70 - 130	
1,3-Dichlorobenzene	10.0	10.8	108	70 - 130	
1,4-Dichlorobenzene	10.0	11.0	110	70 - 130	
Benzyl chloride	10.0	9.63	96	70 - 130	
n-Butylbenzene	10.0	10.6	106	70 - 130	
1,2-Dichlorobenzene	10.0	10.8	108	70 - 130	
1,2,4-Trichlorobenzene	10.0	11.4	114	70 - 130	
Hexachlorobutadiene	10.0	11.3	113	70 - 130	
Naphthalene	10.0	11.2	112	70 - 130	

Client: FPM Remediations Inc

Job Number: 280-61460-1

Method Blank - Batch: 200-79779

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-79779/4	Analysis Batch:	200-79779	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	10320_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	11/03/2014 1216	Units:	ppb v/v	Final Weight/Volume:	
Prep Date:	11/03/2014 1216			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Dichlorodifluoromethane	0.20	U	0.056	0.50
Freon 22	0.20	U	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.20	U	0.060	0.50
n-Butane	0.20	U	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.080	U	0.045	0.20
Freon TF	0.080	U	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	2.5	U	0.69	5.0
Isopropyl alcohol	0.50	U	0.15	5.0
Carbon disulfide	0.080	U	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.168	J M	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.030	U	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.20	U	0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.20
Chloroform	0.080	U	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.030	U	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.030	U	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.030	U	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	0.030	U	0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20

Client: FPM Remediations Inc

Job Number: 280-61460-1

Method Blank - Batch: 200-79779

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-79779/4	Analysis Batch:	200-79779	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	10320_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	11/03/2014 1216	Units:	ppb v/v	Final Weight/Volume:	
Prep Date:	11/03/2014 1216			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Tetrachloroethene	0.030	U	0.030	0.20
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.030	U	0.020	0.20
m,p-Xylene	0.060	U	0.025	0.50
Xylene, o-	0.030	U	0.018	0.20
Xylene (total)	0.090	U	0.041	0.20
Styrene	0.030	U	0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.030	U	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.030	U	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.080	U	0.030	0.50

Client: FPM Remediations Inc

Job Number: 280-61460-1

Method Blank - Batch: 200-79779

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-79779/4	Analysis Batch:	200-79779	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	10320_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	11/03/2014 1216	Units:	ug/m3	Final Weight/Volume:	
Prep Date:	11/03/2014 1216			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Dichlorodifluoromethane	0.99	U	0.28	2.5
Freon 22	0.71	U	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.41	U	0.12	1.0
n-Butane	0.48	U	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	0.45	U	0.25	1.1
Freon TF	0.61	U	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	5.9	U	1.6	12
Isopropyl alcohol	1.2	U	0.37	12
Carbon disulfide	0.25	U	0.093	1.6
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.582	J M	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.11	U	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	0.59	U	0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	0.79
Chloroform	0.39	U	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.19	U	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.096	U	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.16	U	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	0.11	U	0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1

Client: FPM Remediations Inc

Job Number: 280-61460-1

Method Blank - Batch: 200-79779

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-79779/4	Analysis Batch:	200-79779	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	10320_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	11/03/2014 1216	Units:	ug/m3	Final Weight/Volume:	
Prep Date:	11/03/2014 1216			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.13	U	0.087	0.87
m,p-Xylene	0.26	U	0.11	2.2
Xylene, o-	0.13	U	0.078	0.87
Xylene (total)	0.39	U	0.18	0.87
Styrene	0.13	U	0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.15	U	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.15	U	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.42	U	0.16	2.6

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Control Sample - Batch: 200-79779

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-79779/3	Analysis Batch:	200-79779	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	10320_03.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	11/03/2014 1129	Units:	ppb v/v	Final Weight/Volume:	
Prep Date:	11/03/2014 1129			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	8.33	83	70 - 130	
Freon 22	10.0	8.25	83	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	9.37	94	70 - 130	
Chloromethane	10.0	8.08	81	70 - 130	
n-Butane	10.0	8.39	84	70 - 130	
Vinyl chloride	10.0	8.72	87	70 - 130	
1,3-Butadiene	10.0	8.52	85	70 - 130	
Bromomethane	10.0	8.68	87	70 - 130	
Chloroethane	10.0	8.37	84	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	8.77	88	70 - 130	
Trichlorofluoromethane	10.0	8.10	81	70 - 130	
Freon TF	10.0	8.58	86	70 - 130	
1,1-Dichloroethene	10.0	8.82	88	70 - 130	
Acetone	10.0	8.32	83	70 - 130	
Isopropyl alcohol	10.0	7.52	75	70 - 130	
Carbon disulfide	10.0	9.64	96	70 - 130	
3-Chloropropene	10.0	8.64	86	70 - 130	
Methylene Chloride	10.0	8.08	81	70 - 130	
tert-Butyl alcohol	10.0	8.00	80	70 - 130	
Methyl tert-butyl ether	10.0	9.14	91	70 - 130	
trans-1,2-Dichloroethene	10.0	9.34	93	70 - 130	
n-Hexane	10.0	9.94	99	70 - 130	
1,1-Dichloroethane	10.0	8.66	87	70 - 130	
Methyl Ethyl Ketone	10.0	8.78	88	70 - 130	
cis-1,2-Dichloroethene	10.0	9.22	92	70 - 130	
Chloroform	10.0	9.08	91	70 - 130	
Tetrahydrofuran	10.0	8.91	89	70 - 130	
1,1,1-Trichloroethane	10.0	8.81	88	70 - 130	
Cyclohexane	10.0	9.51	95	70 - 130	
Carbon tetrachloride	10.0	8.72	87	70 - 130	
2,2,4-Trimethylpentane	10.0	9.35	93	70 - 130	
Benzene	10.0	9.01	90	70 - 130	
1,2-Dichloroethane	10.0	8.89	89	70 - 130	
n-Heptane	10.0	9.31	93	70 - 130	
Trichloroethene	10.0	10.2	102	70 - 130	
Methyl methacrylate	10.0	9.84	98	70 - 130	
1,2-Dichloropropane	10.0	9.53	95	70 - 130	
1,4-Dioxane	10.0	8.55	86	70 - 130	
Bromodichloromethane	10.0	9.54	95	70 - 130	
cis-1,3-Dichloropropene	10.0	9.95	100	70 - 130	
methyl isobutyl ketone	10.0	8.94	89	70 - 130	
Toluene	10.0	9.57	96	70 - 130	
trans-1,3-Dichloropropene	10.0	9.54	95	70 - 130	
1,1,2-Trichloroethane	10.0	9.64	96	70 - 130	
Tetrachloroethene	10.0	9.83	98	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.55	85	70 - 130	

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Control Sample - Batch: 200-79779

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-79779/3	Analysis Batch:	200-79779	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	10320_03.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	11/03/2014 1129	Units:	ppb v/v	Final Weight/Volume:	
Prep Date:	11/03/2014 1129			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	9.45	95	70 - 130	
1,2-Dibromoethane	10.0	9.87	99	70 - 130	
Chlorobenzene	10.0	9.52	95	70 - 130	
Ethylbenzene	10.0	9.63	96	70 - 130	
m,p-Xylene	20.0	18.9	95	70 - 130	
Xylene, o-	10.0	9.57	96	70 - 130	
Styrene	10.0	10.1	101	70 - 130	
Bromoform	10.0	9.52	95	70 - 130	
Cumene	10.0	9.63	96	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	9.21	92	70 - 130	
n-Propylbenzene	10.0	9.40	94	70 - 130	
4-Ethyltoluene	10.0	9.78	98	70 - 130	
1,3,5-Trimethylbenzene	10.0	9.53	95	70 - 130	
2-Chlorotoluene	10.0	9.05	90	70 - 130	
tert-Butylbenzene	10.0	9.53	95	70 - 130	
1,2,4-Trimethylbenzene	10.0	9.45	95	70 - 130	
sec-Butylbenzene	10.0	9.38	94	70 - 130	
4-Isopropyltoluene	10.0	9.63	96	70 - 130	
1,3-Dichlorobenzene	10.0	9.76	98	70 - 130	
1,4-Dichlorobenzene	10.0	9.91	99	70 - 130	
Benzyl chloride	10.0	8.29	83	70 - 130	
n-Butylbenzene	10.0	9.11	91	70 - 130	
1,2-Dichlorobenzene	10.0	9.89	99	70 - 130	
1,2,4-Trichlorobenzene	10.0	9.83	98	70 - 130	
Hexachlorobutadiene	10.0	8.97	90	70 - 130	
Naphthalene	10.0	10.2	102	70 - 130	

DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc Job Number: 280-61460-1

Lab Section	Qualifier	Description
Air - GC/MS VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	M	Manual integrated compound.
	D	The reported value is from a dilution.
	U	Undetected at the Limit of Detection.

Client: FPM Remediations Inc

Job Number: 280-61460-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:200-79678					
LCS 200-79678/3	Lab Control Sample	T	Air	TO-15	
MB 200-79678/4	Method Blank	T	Air	TO-15	
280-61460-1	101VMP0101EA	T	Air	TO-15	
280-61460-2	101VMP0201EA	T	Air	TO-15	
280-61460-3	101VMP0301EA	T	Air	TO-15	
280-61460-4	101VMP0101EC	T	Air	TO-15	
280-61460-6	101IA0405EA	T	Air	TO-15	
280-61460-7	101OA0305EA	T	Air	TO-15	
280-61460-8	101CA01EA	T	Air	TO-15	
280-61460-9TB	101514TB	T	Air	TO-15	
Analysis Batch:200-79779					
LCS 200-79779/3	Lab Control Sample	T	Air	TO-15	
MB 200-79779/4	Method Blank	T	Air	TO-15	
280-61460-5	101IA0305EA	T	Air	TO-15	

Report Basis
T = Total

Client: FPM Remediations Inc

Job Number: 280-61460-1

Laboratory Chronicle

Lab ID: 280-61460-1 **Client ID:** 101VMP0101EA

Sample Date/Time: 10/15/2014 14:00 Received Date/Time: 10/20/2014 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-61460-A-1		200-79678		10/31/2014 15:35	2.5	TAL BUR	BPL
A:TO-15	280-61460-A-1		200-79678		10/31/2014 15:35	2.5	TAL BUR	BPL

Lab ID: 280-61460-2 **Client ID:** 101VMP0201EA

Sample Date/Time: 10/15/2014 14:25 Received Date/Time: 10/20/2014 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-61460-A-2		200-79678		10/31/2014 16:23	10	TAL BUR	BPL
A:TO-15	280-61460-A-2		200-79678		10/31/2014 16:23	10	TAL BUR	BPL

Lab ID: 280-61460-3 **Client ID:** 101VMP0301EA

Sample Date/Time: 10/15/2014 14:20 Received Date/Time: 10/20/2014 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-61460-A-3		200-79678		10/31/2014 17:10	28.3	TAL BUR	BPL
A:TO-15	280-61460-A-3		200-79678		10/31/2014 17:10	28.3	TAL BUR	BPL

Lab ID: 280-61460-4 **Client ID:** 101VMP0101EC

Sample Date/Time: 10/15/2014 14:00 Received Date/Time: 10/20/2014 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-61460-A-4		200-79678		10/31/2014 17:58	3.03	TAL BUR	BPL
A:TO-15	280-61460-A-4		200-79678		10/31/2014 17:58	3.03	TAL BUR	BPL

Lab ID: 280-61460-5 **Client ID:** 101IA0305EA

Sample Date/Time: 10/15/2014 13:50 Received Date/Time: 10/20/2014 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-61460-A-5		200-79779		11/03/2014 18:35	2.5	TAL BUR	WRD
A:TO-15	280-61460-A-5		200-79779		11/03/2014 18:35	2.5	TAL BUR	WRD

Client: FPM Remediations Inc

Job Number: 280-61460-1

Laboratory Chronicle

Lab ID: 280-61460-6 **Client ID:** 101IA0405EA

Sample Date/Time: 10/15/2014 14:10 Received Date/Time: 10/20/2014 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-61460-A-6		200-79678		10/31/2014 19:42	1	TAL BUR	BPL
A:TO-15	280-61460-A-6		200-79678		10/31/2014 19:42	1	TAL BUR	BPL

Lab ID: 280-61460-7 **Client ID:** 101OA0305EA

Sample Date/Time: 10/15/2014 14:30 Received Date/Time: 10/20/2014 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-61460-A-7		200-79678		10/31/2014 20:41	1.34	TAL BUR	BPL
A:TO-15	280-61460-A-7		200-79678		10/31/2014 20:41	1.34	TAL BUR	BPL

Lab ID: 280-61460-8 **Client ID:** 101CA01EA

Sample Date/Time: 10/17/2014 11:02 Received Date/Time: 10/20/2014 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-61460-A-8		200-79678		10/31/2014 21:31	1	TAL BUR	BPL
A:TO-15	280-61460-A-8		200-79678		10/31/2014 21:31	1	TAL BUR	BPL

Lab ID: 280-61460-9 **Client ID:** 101514TB

Sample Date/Time: 10/15/2014 12:00 Received Date/Time: 10/20/2014 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-61460-A-9		200-79678		10/31/2014 22:21	1	TAL BUR	BPL
A:TO-15	280-61460-A-9		200-79678		10/31/2014 22:21	1	TAL BUR	BPL

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	MB 200-79678/4		200-79678		10/31/2014 11:23	1	TAL BUR	BPL
A:TO-15	MB 200-79678/4		200-79678		10/31/2014 11:23	1	TAL BUR	BPL
P:Summa Canister	MB 200-79779/4		200-79779		11/03/2014 12:16	1	TAL BUR	WRD
A:TO-15	MB 200-79779/4		200-79779		11/03/2014 12:16	1	TAL BUR	WRD

Client: FPM Remediations Inc

Job Number: 280-61460-1

Laboratory Chronicle

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	LCS 200-79678/3		200-79678		10/31/2014 10:33	1	TAL BUR	BPL
A:TO-15	LCS 200-79678/3		200-79678		10/31/2014 10:33	1	TAL BUR	BPL
P:Summa Canister	LCS 200-79779/3		200-79779		11/03/2014 11:29	1	TAL BUR	WRD
A:TO-15	LCS 200-79779/3		200-79779		11/03/2014 11:29	1	TAL BUR	WRD

Lab References:

TAL BUR = TestAmerica Burlington

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ATTO15CAL1w_00114	12/10/14	10/06/14	Zero Air, Lot 6	15.463 L	ATTO15CAL6w_00096	155 mL	1,1,1-Trichloroethane	0.20044 ppb v/v
							1,1,2,2-Tetrachloroethane	0.20044 ppb v/v
							1,1,2-Trichloroethane	0.20044 ppb v/v
							1,1-Dichloroethane	0.20044 ppb v/v
							1,1-Dichloroethene	0.20044 ppb v/v
							1,2,3-Trichlorobenzene	0.20044 ppb v/v
							1,2,3-Trichloropropane	0.20044 ppb v/v
							1,2,4-Trichlorobenzene	0.20044 ppb v/v
							1,2,4-Trimethylbenzene	0.20044 ppb v/v
							1,2-Dibromoethane	0.20044 ppb v/v
							1,2-Dichlorobenzene	0.20044 ppb v/v
							1,2-Dichloroethane	0.20044 ppb v/v
							1,2-Dichloropropane	0.20044 ppb v/v
							1,2-Dichlorotetrafluoroethane	0.20044 ppb v/v
							1,3,5-Trimethylbenzene	0.20044 ppb v/v
							1,3-Butadiene	0.20044 ppb v/v
							1,3-Dichlorobenzene	0.20044 ppb v/v
							1,4-Dichlorobenzene	0.20044 ppb v/v
							1,4-Dioxane	0.20044 ppb v/v
							2,2,4-Trimethylpentane	0.20044 ppb v/v
							2-Chlorotoluene	0.20044 ppb v/v
							2-Methylbutane	0.20044 ppb v/v
							3-Chloropropene	0.20044 ppb v/v
							4-Ethyltoluene	0.20044 ppb v/v
							4-Isopropyltoluene	0.20044 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetone	0.20044 ppb v/v
							Acetonitrile	0.20044 ppb v/v
							Acrolein	0.20044 ppb v/v
							Acrylonitrile	0.20044 ppb v/v
							Alpha Methyl Styrene	0.20044 ppb v/v
							Benzene	0.20044 ppb v/v
							Benzyl chloride	0.20044 ppb v/v
							Bromodichloromethane	0.20044 ppb v/v
							Bromoethene(Vinyl Bromide)	0.20044 ppb v/v
							Bromoform	0.20044 ppb v/v
							Bromomethane	0.20044 ppb v/v
							Carbon disulfide	0.20044 ppb v/v
							Carbon tetrachloride	0.20044 ppb v/v
							Chlorobenzene	0.20044 ppb v/v
							Chloroethane	0.20044 ppb v/v
							Chloroform	0.20044 ppb v/v
							Chloromethane	0.20044 ppb v/v
							cis-1,2-Dichloroethene	0.20044 ppb v/v
							cis-1,3-Dichloropropene	0.20044 ppb v/v
							Cumene	0.20044 ppb v/v
							Cyclohexane	0.20044 ppb v/v
							Dibromochloromethane	0.20044 ppb v/v
							Dibromomethane	0.20044 ppb v/v
							Dichlorodifluoromethane	0.20044 ppb v/v
							Dodecane	0.20044 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl acetate	0.20044 ppb v/v
							Ethyl ether	0.20044 ppb v/v
							Ethylbenzene	0.20044 ppb v/v
							Freon 22	0.20044 ppb v/v
							Freon TF	0.20044 ppb v/v
							Hexachlorobutadiene	0.20044 ppb v/v
							Isopropyl alcohol	0.20044 ppb v/v
							m,p-Xylene	0.400879 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	0.20044 ppb v/v
							Methyl Ethyl Ketone	0.20044 ppb v/v
							methyl isobutyl ketone	0.20044 ppb v/v
							Methyl methacrylate	0.20044 ppb v/v
							Methyl tert-butyl ether	0.20044 ppb v/v
							Methylene Chloride	0.20044 ppb v/v
							n-Butane	0.20044 ppb v/v
							n-Butanol	0.20044 ppb v/v
							n-Butylbenzene	0.20044 ppb v/v
							n-Decane	0.20044 ppb v/v
							n-Heptane	0.20044 ppb v/v
							n-Hexane	0.20044 ppb v/v
							n-Nonane	0.20044 ppb v/v
							n-Octane	0.20044 ppb v/v
							n-Propylbenzene	0.20044 ppb v/v
							Naphthalene	0.20044 ppb v/v
							Pentane	0.20044 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Propene	0.20044 ppb v/v
							sec-Butylbenzene	0.20044 ppb v/v
							Styrene	0.20044 ppb v/v
							tert-Butyl alcohol	0.20044 ppb v/v
							tert-Butylbenzene	0.20044 ppb v/v
							Tetrachloroethene	0.20044 ppb v/v
							Tetrahydrofuran	0.20044 ppb v/v
							Toluene	0.20044 ppb v/v
							trans-1,2-Dichloroethene	0.20044 ppb v/v
							trans-1,3-Dichloropropene	0.20044 ppb v/v
							Trichloroethene	0.20044 ppb v/v
							Trichlorofluoromethane	0.20044 ppb v/v
							Undecane	0.20044 ppb v/v
							Vinyl acetate	0.20044 ppb v/v
							Vinyl chloride	0.20044 ppb v/v
							Xylene, o-	0.20044 ppb v/v
							Ethanol	0.400944 ppb v/v
.ATTO15CAL6w_00096	12/10/14	10/03/14	DI WATER, Lot 6	15.463 L	ATTO15CALSTKi_00060	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	19.9961 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dibromoethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,2-Dichlorotetrafluoroethane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Butadiene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2,2,4-Trimethylpentane	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methylbutane	19.9961 ppb v/v
							3-Chloropropene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Isopropyltoluene	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Acetonitrile	19.9961 ppb v/v
							Acrolein	19.9961 ppb v/v
							Acrylonitrile	19.9961 ppb v/v
							Alpha Methyl Styrene	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Benzyl chloride	19.9961 ppb v/v
							Bromodichloromethane	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoethene(Vinyl Bromide)	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cumene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dibromochloromethane	19.9961 ppb v/v
							Dibromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Dodecane	19.9961 ppb v/v
							Ethyl acetate	19.9961 ppb v/v
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Freon 22	19.9961 ppb v/v
							Freon TF	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v
							Isopropyl alcohol	19.9961 ppb v/v
							m,p-Xylene	39.9922 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl Butyl Ketone (2-Hexanone)	19.9961 ppb v/v
							Methyl Ethyl Ketone	19.9961 ppb v/v
							methyl isobutyl ketone	19.9961 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Butane	19.9961 ppb v/v
							n-Butanol	19.9961 ppb v/v
							n-Butylbenzene	19.9961 ppb v/v
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Hexane	19.9961 ppb v/v
							n-Nonane	19.9961 ppb v/v
							n-Octane	19.9961 ppb v/v
							n-Propylbenzene	19.9961 ppb v/v
							Naphthalene	19.9961 ppb v/v
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v
							sec-Butylbenzene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							tert-Butyl alcohol	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Undecane	19.9961 ppb v/v
							Vinyl acetate	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
							Xylene, o-	19.9961 ppb v/v
					ATTO15EthCALw_00049	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00060	12/25/14	09/25/14	DI WATER, Lot 1014	37.5 L	ATTO15CALs_00021	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
...ATTO15CALs_00021	01/10/15		Spectra Gases, Lot cc-90855		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
..ATTO15EthCALw_00049	12/10/14	09/10/14	VOA Free Water, Lot 10	37.5 ppb	ATTO15EthCALs_00007	18.75 uL	Ethanol	500 ppb v/v
...ATTO15EthCALs_00007	09/11/17		SIGMA, Lot SHBB5682V		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL2w_00147	12/10/14	10/06/14	Zero Air, Lot 6	15.463 L	ATTO15CAL6w_00096	387 mL	1,1,1-Trichloroethane	0.500453 ppb v/v
							1,1,2,2-Tetrachloroethane	0.500453 ppb v/v
							1,1,2-Trichloroethane	0.500453 ppb v/v
							1,1-Dichloroethane	0.500453 ppb v/v
							1,1-Dichloroethene	0.500453 ppb v/v
							1,2,3-Trichlorobenzene	0.500453 ppb v/v
							1,2,3-Trichloropropane	0.500453 ppb v/v
							1,2,4-Trichlorobenzene	0.500453 ppb v/v
							1,2,4-Trimethylbenzene	0.500453 ppb v/v
							1,2-Dibromoethane	0.500453 ppb v/v
							1,2-Dichlorobenzene	0.500453 ppb v/v
							1,2-Dichloroethane	0.500453 ppb v/v
							1,2-Dichloropropane	0.500453 ppb v/v
							1,2-Dichlorotetrafluoroethane	0.500453 ppb v/v
							1,3,5-Trimethylbenzene	0.500453 ppb v/v
							1,3-Butadiene	0.500453 ppb v/v
							1,3-Dichlorobenzene	0.500453 ppb v/v
							1,4-Dichlorobenzene	0.500453 ppb v/v
							1,4-Dioxane	0.500453 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2,4-Trimethylpentane	0.500453 ppb v/v
							2-Chlorotoluene	0.500453 ppb v/v
							2-Methylbutane	0.500453 ppb v/v
							3-Chloropropene	0.500453 ppb v/v
							4-Ethyltoluene	0.500453 ppb v/v
							4-Isopropyltoluene	0.500453 ppb v/v
							Acetone	0.500453 ppb v/v
							Acetonitrile	0.500453 ppb v/v
							Acrolein	0.500453 ppb v/v
							Acrylonitrile	0.500453 ppb v/v
							Alpha Methyl Styrene	0.500453 ppb v/v
							Benzene	0.500453 ppb v/v
							Benzyl chloride	0.500453 ppb v/v
							Bromodichloromethane	0.500453 ppb v/v
							Bromoethene(Vinyl Bromide)	0.500453 ppb v/v
							Bromoform	0.500453 ppb v/v
							Bromomethane	0.500453 ppb v/v
							Carbon disulfide	0.500453 ppb v/v
							Carbon tetrachloride	0.500453 ppb v/v
							Chlorobenzene	0.500453 ppb v/v
							Chloroethane	0.500453 ppb v/v
							Chloroform	0.500453 ppb v/v
							Chloromethane	0.500453 ppb v/v
							cis-1,2-Dichloroethene	0.500453 ppb v/v
							cis-1,3-Dichloropropene	0.500453 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cumene	0.500453 ppb v/v
							Cyclohexane	0.500453 ppb v/v
							Dibromochloromethane	0.500453 ppb v/v
							Dibromomethane	0.500453 ppb v/v
							Dichlorodifluoromethane	0.500453 ppb v/v
							Dodecane	0.500453 ppb v/v
							Ethyl acetate	0.500453 ppb v/v
							Ethyl ether	0.500453 ppb v/v
							Ethylbenzene	0.500453 ppb v/v
							Freon 22	0.500453 ppb v/v
							Freon TF	0.500453 ppb v/v
							Hexachlorobutadiene	0.500453 ppb v/v
							Isopropyl alcohol	0.500453 ppb v/v
							m,p-Xylene	1.00091 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	0.500453 ppb v/v
							Methyl Ethyl Ketone	0.500453 ppb v/v
							methyl isobutyl ketone	0.500453 ppb v/v
							Methyl methacrylate	0.500453 ppb v/v
							Methyl tert-butyl ether	0.500453 ppb v/v
							Methylene Chloride	0.500453 ppb v/v
							n-Butane	0.500453 ppb v/v
							n-Butanol	0.500453 ppb v/v
							n-Butylbenzene	0.500453 ppb v/v
							n-Decane	0.500453 ppb v/v
							n-Heptane	0.500453 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Hexane	0.500453 ppb v/v
							n-Nonane	0.500453 ppb v/v
							n-Octane	0.500453 ppb v/v
							n-Propylbenzene	0.500453 ppb v/v
							Naphthalene	0.500453 ppb v/v
							Pentane	0.500453 ppb v/v
							Propene	0.500453 ppb v/v
							sec-Butylbenzene	0.500453 ppb v/v
							Styrene	0.500453 ppb v/v
							tert-Butyl alcohol	0.500453 ppb v/v
							tert-Butylbenzene	0.500453 ppb v/v
							Tetrachloroethene	0.500453 ppb v/v
							Tetrahydrofuran	0.500453 ppb v/v
							Toluene	0.500453 ppb v/v
							trans-1,2-Dichloroethene	0.500453 ppb v/v
							trans-1,3-Dichloropropene	0.500453 ppb v/v
							Trichloroethene	0.500453 ppb v/v
							Trichlorofluoromethane	0.500453 ppb v/v
							Undecane	0.500453 ppb v/v
							Vinyl acetate	0.500453 ppb v/v
							Vinyl chloride	0.500453 ppb v/v
							Xylene, o-	0.500453 ppb v/v
							Ethanol	5.01064 ppb v/v
					ATTO15EthCALw_00049	124 mL	Ethanol	5.01064 ppb v/v
.ATTO15CAL6w_00096	12/10/14	10/03/14	DI WATER, Lot 6	15.463 L	ATTO15CALSTKi_00060	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	19.9961 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	19.9961 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dibromoethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,2-Dichlorotetrafluoroethane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Butadiene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2,2,4-Trimethylpentane	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methylbutane	19.9961 ppb v/v
							3-Chloropropene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Isopropyltoluene	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetonitrile	19.9961 ppb v/v
							Acrolein	19.9961 ppb v/v
							Acrylonitrile	19.9961 ppb v/v
							Alpha Methyl Styrene	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Benzyl chloride	19.9961 ppb v/v
							Bromodichloromethane	19.9961 ppb v/v
							Bromoethene(Vinyl Bromide)	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cumene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dibromochloromethane	19.9961 ppb v/v
							Dibromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Dodecane	19.9961 ppb v/v
							Ethyl acetate	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Freon 22	19.9961 ppb v/v
							Freon TF	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v
							Isopropyl alcohol	19.9961 ppb v/v
							m,p-Xylene	39.9922 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	19.9961 ppb v/v
							Methyl Ethyl Ketone	19.9961 ppb v/v
							methyl isobutyl ketone	19.9961 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Butane	19.9961 ppb v/v
							n-Butanol	19.9961 ppb v/v
							n-Butylbenzene	19.9961 ppb v/v
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Hexane	19.9961 ppb v/v
							n-Nonane	19.9961 ppb v/v
							n-Octane	19.9961 ppb v/v
							n-Propylbenzene	19.9961 ppb v/v
							Naphthalene	19.9961 ppb v/v
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							sec-Butylbenzene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							tert-Butyl alcohol	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Undecane	19.9961 ppb v/v
							Vinyl acetate	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
							Xylene, o-	19.9961 ppb v/v
					ATTO15EthCALw_00049	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00060	12/25/14	09/25/14	DI WATER, Lot 1014	37.5 L	ATTO15CALs_00021	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
...ATTO15CALs_00021	01/10/15		Spectra Gases, Lot cc-90855		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
..ATTO15EthCALw_00049	12/10/14	09/10/14	VOA Free Water, Lot 10	37.5 ppb	ATTO15EthCALs_00007	18.75 uL	Ethanol	500 ppb v/v
...ATTO15EthCALs_00007	09/11/17		SIGMA, Lot SHBB5682V		(Purchased Reagent)		Ethanol	1 mL/mL
.ATTO15EthCALw_00049	12/10/14	09/10/14	VOA Free Water, Lot 10	37.5 ppb	ATTO15EthCALs_00007	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00007	09/11/17		SIGMA, Lot SHBB5682V		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL3w_00134	12/10/14	10/03/14	Zero Air, Lot 6	15.463 L	ATTO15CALSTKi_00060	386 mL	1,1,1-Trichloroethane	4.99256 ppb v/v
							1,1,2,2-Tetrachloroethane	4.99256 ppb v/v
							1,1,2-Trichloroethane	4.99256 ppb v/v
							1,1-Dichloroethane	4.99256 ppb v/v
							1,1-Dichloroethene	4.99256 ppb v/v
							1,2,3-Trichlorobenzene	4.99256 ppb v/v
							1,2,3-Trichloropropane	4.99256 ppb v/v
							1,2,4-Trichlorobenzene	4.99256 ppb v/v
							1,2,4-Trimethylbenzene	4.99256 ppb v/v
							1,2-Dibromoethane	4.99256 ppb v/v
							1,2-Dichlorobenzene	4.99256 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethane	4.99256 ppb v/v
							1,2-Dichloropropane	4.99256 ppb v/v
							1,2-Dichlorotetrafluoroethane	4.99256 ppb v/v
							1,3,5-Trimethylbenzene	4.99256 ppb v/v
							1,3-Butadiene	4.99256 ppb v/v
							1,3-Dichlorobenzene	4.99256 ppb v/v
							1,4-Dichlorobenzene	4.99256 ppb v/v
							1,4-Dioxane	4.99256 ppb v/v
							2,2,4-Trimethylpentane	4.99256 ppb v/v
							2-Chlorotoluene	4.99256 ppb v/v
							2-Methylbutane	4.99256 ppb v/v
							3-Chloropropene	4.99256 ppb v/v
							4-Ethyltoluene	4.99256 ppb v/v
							4-Isopropyltoluene	4.99256 ppb v/v
							Acetone	4.99256 ppb v/v
							Acetonitrile	4.99256 ppb v/v
							Acrolein	4.99256 ppb v/v
							Acrylonitrile	4.99256 ppb v/v
							Alpha Methyl Styrene	4.99256 ppb v/v
							Benzene	4.99256 ppb v/v
							Benzyl chloride	4.99256 ppb v/v
							Bromodichloromethane	4.99256 ppb v/v
							Bromoethene(Vinyl Bromide)	4.99256 ppb v/v
							Bromoform	4.99256 ppb v/v
							Bromomethane	4.99256 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon disulfide	4.99256 ppb v/v
							Carbon tetrachloride	4.99256 ppb v/v
							Chlorobenzene	4.99256 ppb v/v
							Chloroethane	4.99256 ppb v/v
							Chloroform	4.99256 ppb v/v
							Chloromethane	4.99256 ppb v/v
							cis-1,2-Dichloroethene	4.99256 ppb v/v
							cis-1,3-Dichloropropene	4.99256 ppb v/v
							Cumene	4.99256 ppb v/v
							Cyclohexane	4.99256 ppb v/v
							Dibromochloromethane	4.99256 ppb v/v
							Dibromomethane	4.99256 ppb v/v
							Dichlorodifluoromethane	4.99256 ppb v/v
							Dodecane	4.99256 ppb v/v
							Ethyl acetate	4.99256 ppb v/v
							Ethyl ether	4.99256 ppb v/v
							Ethylbenzene	4.99256 ppb v/v
							Freon 22	4.99256 ppb v/v
							Freon TF	4.99256 ppb v/v
							Hexachlorobutadiene	4.99256 ppb v/v
							Isopropyl alcohol	4.99256 ppb v/v
							m,p-Xylene	9.98513 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	4.99256 ppb v/v
							Methyl Ethyl Ketone	4.99256 ppb v/v
							methyl isobutyl ketone	4.99256 ppb v/v

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methacrylate	4.99256 ppb v/v
							Methyl tert-butyl ether	4.99256 ppb v/v
							Methylene Chloride	4.99256 ppb v/v
							n-Butane	4.99256 ppb v/v
							n-Butanol	4.99256 ppb v/v
							n-Butylbenzene	4.99256 ppb v/v
							n-Decane	4.99256 ppb v/v
							n-Heptane	4.99256 ppb v/v
							n-Hexane	4.99256 ppb v/v
							n-Nonane	4.99256 ppb v/v
							n-Octane	4.99256 ppb v/v
							n-Propylbenzene	4.99256 ppb v/v
							Naphthalene	4.99256 ppb v/v
							Pentane	4.99256 ppb v/v
							Propene	4.99256 ppb v/v
							sec-Butylbenzene	4.99256 ppb v/v
							Styrene	4.99256 ppb v/v
							tert-Butyl alcohol	4.99256 ppb v/v
							tert-Butylbenzene	4.99256 ppb v/v
							Tetrachloroethene	4.99256 ppb v/v
							Tetrahydrofuran	4.99256 ppb v/v
							Toluene	4.99256 ppb v/v
							trans-1,2-Dichloroethene	4.99256 ppb v/v
							trans-1,3-Dichloropropene	4.99256 ppb v/v
							Trichloroethene	4.99256 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichlorofluoromethane	4.99256 ppb v/v
							Undecane	4.99256 ppb v/v
							Vinyl acetate	4.99256 ppb v/v
							Vinyl chloride	4.99256 ppb v/v
							Xylene, o-	4.99256 ppb v/v
					ATTO15EthCALw_00049	309 mL	Ethanol	9.99159 ppb v/v
.ATTO15CALSTKi_00060	12/25/14	09/25/14	DI WATER, Lot 1014	37.5 L	ATTO15CALs_00021	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00021	01/10/15		Spectra Gases, Lot cc-90855		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00049	12/10/14	09/10/14	VOA Free Water, Lot 10	37.5 ppb	ATTO15EthCALs_00007	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00007	09/11/17	SIGMA, Lot SHBB5682V			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL4w_00392	12/10/14	10/03/14	Zero Air, Lot 6	15.463 L	ATTO15CALSTKi_00060	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,3-Trichlorobenzene	9.99806 ppb v/v
							1,2,3-Trichloropropane	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	9.99806 ppb v/v
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dibromoethane	9.99806 ppb v/v
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloropropane	9.99806 ppb v/v
							1,2-Dichlorotetrafluoroethane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Butadiene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dioxane	9.99806 ppb v/v
							2,2,4-Trimethylpentane	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							2-Methylbutane	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Chloropropene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Isopropyltoluene	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Acetonitrile	9.99806 ppb v/v
							Acrolein	9.99806 ppb v/v
							Acrylonitrile	9.99806 ppb v/v
							Alpha Methyl Styrene	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Benzyl chloride	9.99806 ppb v/v
							Bromodichloromethane	9.99806 ppb v/v
							Bromoethene(Vinyl Bromide)	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							cis-1,2-Dichloroethene	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cumene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dibromochloromethane	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromomethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Dodecane	9.99806 ppb v/v
							Ethyl acetate	9.99806 ppb v/v
							Ethyl ether	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Freon 22	9.99806 ppb v/v
							Freon TF	9.99806 ppb v/v
							Hexachlorobutadiene	9.99806 ppb v/v
							Isopropyl alcohol	9.99806 ppb v/v
							m,p-Xylene	19.9961 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	9.99806 ppb v/v
							Methyl Ethyl Ketone	9.99806 ppb v/v
							methyl isobutyl ketone	9.99806 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							n-Butane	9.99806 ppb v/v
							n-Butanol	9.99806 ppb v/v
							n-Butylbenzene	9.99806 ppb v/v
							n-Decane	9.99806 ppb v/v
							n-Heptane	9.99806 ppb v/v
							n-Hexane	9.99806 ppb v/v
							n-Nonane	9.99806 ppb v/v
							n-Octane	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	9.99806 ppb v/v
							Pentane	9.99806 ppb v/v
							Propene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							tert-Butyl alcohol	9.99806 ppb v/v
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,2-Dichloroethene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Undecane	9.99806 ppb v/v
							Vinyl acetate	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
							Xylene, o-	9.99806 ppb v/v
					ATTO15EthCALw_00049	464 mL	Ethanol	15.0036 ppb v/v
.ATTO15CALSTKi_00060	12/25/14	09/25/14	DI WATER, Lot 1014	37.5 L	ATTO15CALs_00021	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00021	01/10/15		Spectra Gases, Lot cc-90855		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00049	12/10/14	09/10/14	VOA Free Water, Lot 10	37.5 ppb	ATTO15EthCALs_00007	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00007	09/11/17	SIGMA, Lot SHBB5682V			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL4w_00392	12/10/14	10/03/14	Zero Air, Lot 6	15.463 L	ATTO15CALSTKi_00060	773 mL	1,2-Dichloroethene, Total	19.9961 ppb v/v
							Xylene (total)	29.9942 ppb v/v
.ATTO15CALSTKi_00060	12/25/14	09/25/14	DI WATER, Lot 1014	37.5 L	ATTO15CALs_00021	7500 mL	1,2-Dichloroethene, Total	400 ppb v/v
							Xylene (total)	600 ppb v/v
..ATTO15CALs_00021	01/10/15	Spectra Gases, Lot cc-90855			(Purchased Reagent)		1,2-Dichloroethene, Total	2 ppm v/v
							Xylene (total)	3 ppm v/v
ATTO15CAL4w_00395	12/10/14	10/03/14	Zero Air, Lot 6	15.463 L	ATTO15CALSTKi_00060	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,3-Trichlorobenzene	9.99806 ppb v/v
							1,2,3-Trichloropropane	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	9.99806 ppb v/v
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dibromoethane	9.99806 ppb v/v
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloropropane	9.99806 ppb v/v
							1,2-Dichlorotetrafluoroethane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Butadiene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dioxane	9.99806 ppb v/v
							2,2,4-Trimethylpentane	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							2-Methylbutane	9.99806 ppb v/v
							3-Chloropropene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Isopropyltoluene	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Acetonitrile	9.99806 ppb v/v
							Acrolein	9.99806 ppb v/v
							Acrylonitrile	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Alpha Methyl Styrene	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Benzyl chloride	9.99806 ppb v/v
							Bromodichloromethane	9.99806 ppb v/v
							Bromoethene(Vinyl Bromide)	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							cis-1,2-Dichloroethene	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cumene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dibromochloromethane	9.99806 ppb v/v
							Dibromomethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Dodecane	9.99806 ppb v/v
							Ethyl acetate	9.99806 ppb v/v
							Ethyl ether	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Freon 22	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Freon TF	9.99806 ppb v/v
							Hexachlorobutadiene	9.99806 ppb v/v
							Isopropyl alcohol	9.99806 ppb v/v
							m,p-Xylene	19.9961 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	9.99806 ppb v/v
							Methyl Ethyl Ketone	9.99806 ppb v/v
							methyl isobutyl ketone	9.99806 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							n-Butane	9.99806 ppb v/v
							n-Butanol	9.99806 ppb v/v
							n-Butylbenzene	9.99806 ppb v/v
							n-Decane	9.99806 ppb v/v
							n-Heptane	9.99806 ppb v/v
							n-Hexane	9.99806 ppb v/v
							n-Nonane	9.99806 ppb v/v
							n-Octane	9.99806 ppb v/v
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	9.99806 ppb v/v
							Pentane	9.99806 ppb v/v
							Propene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							tert-Butyl alcohol	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,2-Dichloroethene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Undecane	9.99806 ppb v/v
							Vinyl acetate	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
							Xylene, o-	9.99806 ppb v/v
					ATTO15EthCALw_00049	464 mL	Ethanol	15.0036 ppb v/v
.ATTO15CALSTKi_00060	12/25/14	09/25/14	DI WATER, Lot 1014	37.5 L	ATTO15CALs_00021	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00021	01/10/15		Spectra Gases, Lot cc-90855		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00049	12/10/14	09/10/14	VOA Free Water, Lot 10	37.5 ppb	ATTO15EthCALs_00007	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00007	09/11/17		SIGMA, Lot SHBB5682V		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL4w_00395	12/10/14	10/03/14	Zero Air, Lot 6	15.463 L	ATTO15CALSTKi_00060	773 mL	1,2-Dichloroethene, Total	19.9961 ppb v/v
							Xylene (total)	29.9942 ppb v/v
.ATTO15CALSTKi_00060	12/25/14	09/25/14	DI WATER, Lot 1014	37.5 L	ATTO15CALs_00021	7500 mL	1,2-Dichloroethene, Total	400 ppb v/v
							Xylene (total)	600 ppb v/v
..ATTO15CALs_00021	01/10/15		Spectra Gases, Lot cc-90855		(Purchased Reagent)		1,2-Dichloroethene, Total	2 ppm v/v
							Xylene (total)	3 ppm v/v
ATTO15CAL5w_00048	12/10/14	10/03/14	Zero Air, Lot 6	15.463 L	ATTO15CALSTKi_00060	1160 mL	1,1,1-Trichloroethane	15.0036 ppb v/v
							1,1,2,2-Tetrachloroethane	15.0036 ppb v/v
							1,1,2-Trichloroethane	15.0036 ppb v/v
							1,1-Dichloroethane	15.0036 ppb v/v
							1,1-Dichloroethene	15.0036 ppb v/v
							1,2,3-Trichlorobenzene	15.0036 ppb v/v
							1,2,3-Trichloropropane	15.0036 ppb v/v
							1,2,4-Trichlorobenzene	15.0036 ppb v/v
							1,2,4-Trimethylbenzene	15.0036 ppb v/v
							1,2-Dibromoethane	15.0036 ppb v/v
							1,2-Dichlorobenzene	15.0036 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethane	15.0036 ppb v/v
							1,2-Dichloropropane	15.0036 ppb v/v
							1,2-Dichlorotetrafluoroethane	15.0036 ppb v/v
							1,3,5-Trimethylbenzene	15.0036 ppb v/v
							1,3-Butadiene	15.0036 ppb v/v
							1,3-Dichlorobenzene	15.0036 ppb v/v
							1,4-Dichlorobenzene	15.0036 ppb v/v
							1,4-Dioxane	15.0036 ppb v/v
							2,2,4-Trimethylpentane	15.0036 ppb v/v
							2-Chlorotoluene	15.0036 ppb v/v
							2-Methylbutane	15.0036 ppb v/v
							3-Chloropropene	15.0036 ppb v/v
							4-Ethyltoluene	15.0036 ppb v/v
							4-Isopropyltoluene	15.0036 ppb v/v
							Acetone	15.0036 ppb v/v
							Acetonitrile	15.0036 ppb v/v
							Acrolein	15.0036 ppb v/v
							Acrylonitrile	15.0036 ppb v/v
							Alpha Methyl Styrene	15.0036 ppb v/v
							Benzene	15.0036 ppb v/v
							Benzyl chloride	15.0036 ppb v/v
							Bromodichloromethane	15.0036 ppb v/v
							Bromoethene(Vinyl Bromide)	15.0036 ppb v/v
							Bromoform	15.0036 ppb v/v
							Bromomethane	15.0036 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon disulfide	15.0036 ppb v/v
							Carbon tetrachloride	15.0036 ppb v/v
							Chlorobenzene	15.0036 ppb v/v
							Chloroethane	15.0036 ppb v/v
							Chloroform	15.0036 ppb v/v
							Chloromethane	15.0036 ppb v/v
							cis-1,2-Dichloroethene	15.0036 ppb v/v
							cis-1,3-Dichloropropene	15.0036 ppb v/v
							Cumene	15.0036 ppb v/v
							Cyclohexane	15.0036 ppb v/v
							Dibromochloromethane	15.0036 ppb v/v
							Dibromomethane	15.0036 ppb v/v
							Dichlorodifluoromethane	15.0036 ppb v/v
							Dodecane	15.0036 ppb v/v
							Ethyl acetate	15.0036 ppb v/v
							Ethyl ether	15.0036 ppb v/v
							Ethylbenzene	15.0036 ppb v/v
							Freon 22	15.0036 ppb v/v
							Freon TF	15.0036 ppb v/v
							Hexachlorobutadiene	15.0036 ppb v/v
							Isopropyl alcohol	15.0036 ppb v/v
							m,p-Xylene	30.0071 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	15.0036 ppb v/v
							Methyl Ethyl Ketone	15.0036 ppb v/v
							methyl isobutyl ketone	15.0036 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methacrylate	15.0036 ppb v/v
							Methyl tert-butyl ether	15.0036 ppb v/v
							Methylene Chloride	15.0036 ppb v/v
							n-Butane	15.0036 ppb v/v
							n-Butanol	15.0036 ppb v/v
							n-Butylbenzene	15.0036 ppb v/v
							n-Decane	15.0036 ppb v/v
							n-Heptane	15.0036 ppb v/v
							n-Hexane	15.0036 ppb v/v
							n-Nonane	15.0036 ppb v/v
							n-Octane	15.0036 ppb v/v
							n-Propylbenzene	15.0036 ppb v/v
							Naphthalene	15.0036 ppb v/v
							Pentane	15.0036 ppb v/v
							Propene	15.0036 ppb v/v
							sec-Butylbenzene	15.0036 ppb v/v
							Styrene	15.0036 ppb v/v
							tert-Butyl alcohol	15.0036 ppb v/v
							tert-Butylbenzene	15.0036 ppb v/v
							Tetrachloroethene	15.0036 ppb v/v
							Tetrahydrofuran	15.0036 ppb v/v
							Toluene	15.0036 ppb v/v
							trans-1,2-Dichloroethene	15.0036 ppb v/v
							trans-1,3-Dichloropropene	15.0036 ppb v/v
							Trichloroethene	15.0036 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichlorofluoromethane	15.0036 ppb v/v
							Undecane	15.0036 ppb v/v
							Vinyl acetate	15.0036 ppb v/v
							Vinyl chloride	15.0036 ppb v/v
							Xylene, o-	15.0036 ppb v/v
					ATTO15EthCALw_00049	620 mL	Ethanol	20.0479 ppb v/v
.ATTO15CALSTKi_00060	12/25/14	09/25/14	DI WATER, Lot 1014	37.5 L	ATTO15CALs_00021	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00021	01/10/15		Spectra Gases, Lot cc-90855		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00049	12/10/14	09/10/14	VOA Free Water, Lot 10	37.5 ppb	ATTO15EthCALs_00007	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00007	09/11/17	SIGMA, Lot SHBB5682V			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL6w_00095	12/10/14	10/03/14	DI WATER, Lot 6	15.463 L	ATTO15CALSTKi_00060	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	19.9961 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	19.9961 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dibromoethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,2-Dichlorotetrafluoroethane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Butadiene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2,2,4-Trimethylpentane	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methylbutane	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Chloropropene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Isopropyltoluene	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Acetonitrile	19.9961 ppb v/v
							Acrolein	19.9961 ppb v/v
							Acrylonitrile	19.9961 ppb v/v
							Alpha Methyl Styrene	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Benzyl chloride	19.9961 ppb v/v
							Bromodichloromethane	19.9961 ppb v/v
							Bromoethene(Vinyl Bromide)	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cumene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dibromochloromethane	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Dodecane	19.9961 ppb v/v
							Ethyl acetate	19.9961 ppb v/v
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Freon 22	19.9961 ppb v/v
							Freon TF	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v
							Isopropyl alcohol	19.9961 ppb v/v
							m,p-Xylene	39.9922 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	19.9961 ppb v/v
							Methyl Ethyl Ketone	19.9961 ppb v/v
							methyl isobutyl ketone	19.9961 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Butane	19.9961 ppb v/v
							n-Butanol	19.9961 ppb v/v
							n-Butylbenzene	19.9961 ppb v/v
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Hexane	19.9961 ppb v/v
							n-Nonane	19.9961 ppb v/v
							n-Octane	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Propylbenzene	19.9961 ppb v/v
							Naphthalene	19.9961 ppb v/v
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v
							sec-Butylbenzene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							tert-Butyl alcohol	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Undecane	19.9961 ppb v/v
							Vinyl acetate	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
							Xylene, o-	19.9961 ppb v/v
					ATTO15EthCALw_00049	1237 mL	Ethanol	39.9987 ppb v/v
.ATTO15CALSTKi_00060	12/25/14	09/25/14	DI WATER, Lot 1014	37.5 L	ATTO15CALs_00021	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00021	01/10/15		Spectra Gases, Lot cc-90855		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00049	12/10/14	09/10/14	VOA Free Water, Lot 10	37.5 ppb	ATTO15EthCALs_00007	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00007	09/11/17		SIGMA, Lot SHBB5682V		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL7w_00049	12/10/14	10/03/14	Zero Air, Lot 6	15.463 L	ATTO15CALSTKi_00060	3092 mL	1,1,1-Trichloroethane	39.9922 ppb v/v
							1,1,2,2-Tetrachloroethane	39.9922 ppb v/v
							1,1,2-Trichloroethane	39.9922 ppb v/v
							1,1-Dichloroethane	39.9922 ppb v/v
							1,1-Dichloroethene	39.9922 ppb v/v
							1,2,3-Trichlorobenzene	39.9922 ppb v/v
							1,2,3-Trichloropropane	39.9922 ppb v/v
							1,2,4-Trichlorobenzene	39.9922 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trimethylbenzene	39.9922 ppb v/v
							1,2-Dibromoethane	39.9922 ppb v/v
							1,2-Dichlorobenzene	39.9922 ppb v/v
							1,2-Dichloroethane	39.9922 ppb v/v
							1,2-Dichloropropane	39.9922 ppb v/v
							1,2-Dichlorotetrafluoroethane	39.9922 ppb v/v
							1,3,5-Trimethylbenzene	39.9922 ppb v/v
							1,3-Butadiene	39.9922 ppb v/v
							1,3-Dichlorobenzene	39.9922 ppb v/v
							1,4-Dichlorobenzene	39.9922 ppb v/v
							1,4-Dioxane	39.9922 ppb v/v
							2,2,4-Trimethylpentane	39.9922 ppb v/v
							2-Chlorotoluene	39.9922 ppb v/v
							2-Methylbutane	39.9922 ppb v/v
							3-Chloropropene	39.9922 ppb v/v
							4-Ethyltoluene	39.9922 ppb v/v
							4-Isopropyltoluene	39.9922 ppb v/v
							Acetone	39.9922 ppb v/v
							Acetonitrile	39.9922 ppb v/v
							Acrolein	39.9922 ppb v/v
							Acrylonitrile	39.9922 ppb v/v
							Alpha Methyl Styrene	39.9922 ppb v/v
							Benzene	39.9922 ppb v/v
							Benzyl chloride	39.9922 ppb v/v
							Bromodichloromethane	39.9922 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoethene(Vinyl Bromide)	39.9922 ppb v/v
							Bromoform	39.9922 ppb v/v
							Bromomethane	39.9922 ppb v/v
							Carbon disulfide	39.9922 ppb v/v
							Carbon tetrachloride	39.9922 ppb v/v
							Chlorobenzene	39.9922 ppb v/v
							Chloroethane	39.9922 ppb v/v
							Chloroform	39.9922 ppb v/v
							Chloromethane	39.9922 ppb v/v
							cis-1,2-Dichloroethene	39.9922 ppb v/v
							cis-1,3-Dichloropropene	39.9922 ppb v/v
							Cumene	39.9922 ppb v/v
							Cyclohexane	39.9922 ppb v/v
							Dibromochloromethane	39.9922 ppb v/v
							Dibromomethane	39.9922 ppb v/v
							Dichlorodifluoromethane	39.9922 ppb v/v
							Dodecane	39.9922 ppb v/v
							Ethyl acetate	39.9922 ppb v/v
							Ethyl ether	39.9922 ppb v/v
							Ethylbenzene	39.9922 ppb v/v
							Freon 22	39.9922 ppb v/v
							Freon TF	39.9922 ppb v/v
							Hexachlorobutadiene	39.9922 ppb v/v
							Isopropyl alcohol	39.9922 ppb v/v
							m,p-Xylene	79.9845 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl Butyl Ketone (2-Hexanone)	39.9922 ppb v/v
							Methyl Ethyl Ketone	39.9922 ppb v/v
							methyl isobutyl ketone	39.9922 ppb v/v
							Methyl methacrylate	39.9922 ppb v/v
							Methyl tert-butyl ether	39.9922 ppb v/v
							Methylene Chloride	39.9922 ppb v/v
							n-Butane	39.9922 ppb v/v
							n-Butanol	39.9922 ppb v/v
							n-Butylbenzene	39.9922 ppb v/v
							n-Decane	39.9922 ppb v/v
							n-Heptane	39.9922 ppb v/v
							n-Hexane	39.9922 ppb v/v
							n-Nonane	39.9922 ppb v/v
							n-Octane	39.9922 ppb v/v
							n-Propylbenzene	39.9922 ppb v/v
							Naphthalene	39.9922 ppb v/v
							Pentane	39.9922 ppb v/v
							Propene	39.9922 ppb v/v
							sec-Butylbenzene	39.9922 ppb v/v
							Styrene	39.9922 ppb v/v
							tert-Butyl alcohol	39.9922 ppb v/v
							tert-Butylbenzene	39.9922 ppb v/v
							Tetrachloroethene	39.9922 ppb v/v
							Tetrahydrofuran	39.9922 ppb v/v
							Toluene	39.9922 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,2-Dichloroethene	39.9922 ppb v/v
							trans-1,3-Dichloropropene	39.9922 ppb v/v
							Trichloroethene	39.9922 ppb v/v
							Trichlorofluoromethane	39.9922 ppb v/v
							Undecane	39.9922 ppb v/v
							Vinyl acetate	39.9922 ppb v/v
							Vinyl chloride	39.9922 ppb v/v
							Xylene, o-	39.9922 ppb v/v
					ATTO15EthCALw_00049	3092 mL	Ethanol	99.9806 ppb v/v
.ATTO15CALSTKi_00060	12/25/14	09/25/14	DI WATER, Lot 1014	37.5 L	ATTO15CALs_00021	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00021	01/10/15		Spectra Gases, Lot cc-90855		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00049	12/10/14	09/10/14	VOA Free Water, Lot 10	37.5 ppb	ATTO15EthCALs_00007	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00007	09/11/17		SIGMA, Lot SHBB5682V		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CISs_00006	11/15/15		Spectra, Lot CC-250115		(Purchased Reagent)		1,4-Difluorobenzene	100 ppb v/v
							Chlorobenzene-d5	100 ppb v/v
							Chlorobromomethane	100 ppb v/v
ATTO15LCSW_00412	11/12/14	09/10/14	Zero Air, Lot 5448	15.463 L	ATTO15LCSSTKi_00053	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	9.99806 ppb v/v
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dibromoethane	9.99806 ppb v/v
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloroethene, Total	19.9961 ppb v/v
							1,2-Dichloropropane	9.99806 ppb v/v
							1,2-Dichlorotetrafluoroethane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Butadiene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dichlorobenzene	9.99806 ppb v/v

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	9.99806 ppb v/v
							2,2,4-Trimethylpentane	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							3-Chloropropene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Isopropyltoluene	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Benzyl chloride	9.99806 ppb v/v
							Bromodichloromethane	9.99806 ppb v/v
							Bromoethene(Vinyl Bromide)	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							cis-1,2-Dichloroethene	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cumene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dibromochloromethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylbenzene	9.99806 ppb v/v
							Freon 22	9.99806 ppb v/v
							Freon TF	9.99806 ppb v/v
							Hexachlorobutadiene	9.99806 ppb v/v
							Isopropyl alcohol	9.99806 ppb v/v
							m,p-Xylene	19.9961 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	9.99806 ppb v/v
							Methyl Ethyl Ketone	9.99806 ppb v/v
							methyl isobutyl ketone	9.99806 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							n-Butane	9.99806 ppb v/v
							n-Butylbenzene	9.99806 ppb v/v
							n-Heptane	9.99806 ppb v/v
							n-Hexane	9.99806 ppb v/v
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							tert-Butyl alcohol	9.99806 ppb v/v
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,2-Dichloroethene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
							Xylene (total)	29.9942 ppb v/v
							Xylene, o-	9.99806 ppb v/v
.ATTO15LCSSTKi_00053	11/12/14	08/12/14	DI WATER, Lot 1020	37.5 L	ATTO15LCSs_00017	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, Total	400 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene (total)	600 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15LCSs_00017	01/10/15		Spectra Gases, Lot CC-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, Total	2 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butylbenzene	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene (total)	3 ppm v/v
							Xylene, o-	1 ppm v/v
ATTO15LCSW_00421	12/10/14	10/29/14	Zero Air, Lot 6	15.463 L	ATTO15LCSSTKi_00054	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	9.99806 ppb v/v
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dibromoethane	9.99806 ppb v/v
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloroethene, Total	19.9961 ppb v/v
							1,2-Dichloropropane	9.99806 ppb v/v
							1,2-Dichlorotetrafluoroethane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Butadiene	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dioxane	9.99806 ppb v/v
							2,2,4-Trimethylpentane	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							3-Chloropropene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Isopropyltoluene	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Benzyl chloride	9.99806 ppb v/v
							Bromodichloromethane	9.99806 ppb v/v
							Bromoethene(Vinyl Bromide)	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							cis-1,2-Dichloroethene	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cumene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromochloromethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Freon 22	9.99806 ppb v/v
							Freon TF	9.99806 ppb v/v
							Hexachlorobutadiene	9.99806 ppb v/v
							Isopropyl alcohol	9.99806 ppb v/v
							m,p-Xylene	19.9961 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	9.99806 ppb v/v
							Methyl Ethyl Ketone	9.99806 ppb v/v
							methyl isobutyl ketone	9.99806 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							n-Butane	9.99806 ppb v/v
							n-Butylbenzene	9.99806 ppb v/v
							n-Heptane	9.99806 ppb v/v
							n-Hexane	9.99806 ppb v/v
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							tert-Butyl alcohol	9.99806 ppb v/v
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,2-Dichloroethene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
							Xylene (total)	29.9942 ppb v/v
							Xylene, o-	9.99806 ppb v/v
.ATTO15LCSSTKi_00054	12/26/14	09/26/14	DI WATER, Lot 7952	37.5 L	ATTO15LCSs_00017	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, Total	400 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene (total)	600 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15LCSs_00017	01/10/15		Spectra Gases, Lot CC-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, Total	2 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene (total)	3 ppm v/v
							Xylene, o-	1 ppm v/v
ATTO15WISs_00003	11/23/15	Spectra Gases, Lot CC-172855			(Purchased Reagent)		1,4-Difluorobenzene	100 ppb v/v
							Chlorobenzene-d5	100 ppb v/v
							Chlorobromomethane	100 ppb v/v

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South Burlington, VT 05403

Tank from W. Sac.

6271134

ID: ATTO15CALS_00021
Expiration Prepared On: 01/10/14
TO15 Calibration Source T

CERTIFICATE OF ANALYSIS

Sales#:	111092258	**Cylinder Size:**	2A (8" X 47.5")
Production#:	2915450	**Cylinder # :**	CC-90855
Certification Date:	Jan-10-2014	**Cylinder Pressure:**	1200 psig
P.O.# :	2546692	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	CERTIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	14004551	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	2400 Liter
Expiration Date:	Jan-10-2015	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
Propylene	115-07-1	1.00 ppm	1.14 ppm
Chlorodifluoromethane	75-45-6	1.00 ppm	1.05 ppm
Freon-12	75-71-8	1.00 ppm	1.02 ppm
Chloromethane	74-87-3	1.00 ppm	1.05 ppm
Freon-114	76-14-2	1.00 ppm	1.05 ppm
Vinyl Chloride	75-01-4	1.00 ppm	1.04 ppm
1,3-Butadiene	106-99-0	1.00 ppm	1.06 ppm
Methanol (No Stability Guarantee)	67-56-1	1.00 ppm	1.05 ppm
n-Butane	106-97-8	1.00 ppm	1.07 ppm
Bromomethane	74-83-9	1.00 ppm	1.03 ppm
Chloroethane	75-00-3	1.00 ppm	1.02 ppm
Vinyl Bromide	593-60-2	1.00 ppm	0.89 ppm
Acetonitrile	75-05-8	1.00 ppm	1.01 ppm
Acrolein (No Stability Guarantee)	107-02-8	1.00 ppm	0.96 ppm
Isopentane	78-78-4	1.00 ppm	1.02 ppm
Acetone	67-64-1	1.00 ppm	1.02 ppm
Freon-11	75-69-4	1.00 ppm	1.04 ppm
Isopropyl Alcohol	67-63-0	1.00 ppm	1.12 ppm
Acrylonitrile	107-13-1	1.00 ppm	1.01 ppm
n-Pentane	109-66-0	1.00 ppm	1.01 ppm
Ethyl Ether	60-29-7	1.00 ppm	1.01 ppm
1,1-Dichloroethene	75-35-4	1.00 ppm	1.02 ppm
Carbon Disulfide (No Stability Guarantee)	75-15-0	1.00 ppm	1.04 ppm
Methylene Chloride	75-09-2	1.00 ppm	1.10 ppm
Tert-Butanol	75-65-0	1.00 ppm	1.10 ppm
3-Chloropropene	107-05-1	1.00 ppm	1.10 ppm
Freon-113	76-13-1	1.00 ppm	1.00 ppm
Trans-1,2-Dichloroethene	156-60-5	1.00 ppm	1.00 ppm
1,1-Dichloroethane	75-34-3	1.00 ppm	1.04 ppm
Methyl Tert Butyl Ether	1634-04-4	1.00 ppm	1.08 ppm

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PAGE: 2 of 4

6271-34
ID: ATTOHSCALS_000021
Exp: 01/01/2015 Prep: AD Rpm: 01/01/14
TOHS Calibration Source T

CERTIFICATE OF ANALYSIS

Sales#:	111092258	**Cylinder Size:**	2A (8" X 47.5")
Production#:	2915450	**Cylinder # :**	CC-90855
Certification Date:	Jan-10-2014	**Cylinder Pressure:**	1200 psig
P.O.# :	2546692	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	CERTIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	14004551	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	2400 Liter
Expiration Date:	Jan-10-2015	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
Vinyl Acetate (No Stability Guarantee)	108-05-4	1.00 ppm	1.09 ppm
Methyl Ethyl Ketone	78-93-3	1.00 ppm	1.08 ppm
Cis-1,2-Dichloroethene	156-59-2	1.00 ppm	1.06 ppm
Hexane	110-54-3	1.00 ppm	1.05 ppm
Chloroform	67-66-3	1.00 ppm	1.01 ppm
Ethyl Acetate	141-78-6	1.00 ppm	1.01 ppm
Tetrahydrofuran	109-99-9	1.00 ppm	1.09 ppm
1,2-Dichloroethane	107-06-2	1.00 ppm	1.08 ppm
1,1,1-Trichloroethane	71-55-6	1.00 ppm	1.04 ppm
Benzene	71-43-2	1.00 ppm	1.06 ppm
1-Butanol (No Stability Guarantee)	71-36-3	1.00 ppm	1.10 ppm
Carbon Tetrachloride	56-23-5	1.00 ppm	1.08 ppm
Cyclohexane	110-82-7	1.00 ppm	1.07 ppm
Dibromomethane	74-95-3	1.00 ppm	1.08 ppm
1,2-Dichloropropane	78-87-5	1.00 ppm	1.08 ppm
Trichloroethylene	79-01-6	1.00 ppm	1.08 ppm
Bromodichloromethane	75-27-4	1.00 ppm	1.08 ppm
1,4-Dioxane	123-91-1	1.00 ppm	1.08 ppm
2,2,4-Trimethylpentane	540-84-1	1.00 ppm	1.05 ppm
Methyl Methacrylate	80-62-6	1.00 ppm	1.06 ppm
Heptane	142-82-5	1.00 ppm	1.09 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.00 ppm	1.03 ppm
Methyl Isobutyl Ketone	108-10-1	1.00 ppm	1.08 ppm
Methylcyclohexane	108-87-2	1.00 ppm	1.08 ppm
Trans-1,3-Dichloropropene	10061-02-6	1.00 ppm	1.10 ppm
1,1,2-Trichloroethane	79-00-5	1.00 ppm	1.09 ppm
Toluene	108-88-3	1.00 ppm	1.09 ppm
Methyl Butyl Ketone	591-78-6	1.00 ppm	1.10 ppm
Dibromochloromethane	124-48-1	1.00 ppm	1.10 ppm
1,2-Dibromoethane	106-93-4	1.00 ppm	1.08 ppm

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South Burlington, VT 05403

PAGE: 3 of 4

627134
ID ATTO15CAL-00021
Expiration Date 01/10/2014
TO15 Calibration Source T

CERTIFICATE OF ANALYSIS

Sales#:	1111092258	Cylinder Size:	2A (8" X 47.5")
Production#:	29154450	Cylinder #:	CC-90855
Certification Date:	Jan-10-2014	Cylinder Pressure:	1200 psig
P.O.# :	2546692	Cylinder Valve:	CGA 350 / Steel
Blend Type:	CERTIFIED	Cylinder Volume:	29.5 Liter
Material#:	14004551	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	2400 Liter
Expiration Date:	Jan-10-2015	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Analytical Accuracy:	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
n-Octane	111-65-9	1.00 ppm	1.07 ppm
Tetrachloroethylene	127-18-4	1.00 ppm	1.03 ppm
Chlorobenzene	108-90-7	1.00 ppm	1.10 ppm
Ethylbenzene	100-41-4	1.00 ppm	1.08 ppm
p-xylene	106-42-3	1.00 ppm	1.07 ppm
m-xylene	108-38-3	1.00 ppm	1.07 ppm
Bromoform	75-25-2	1.00 ppm	1.07 ppm
Styrene	100-42-5	1.00 ppm	1.10 ppm
o-xylene	95-47-6	1.00 ppm	1.10 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.00 ppm	1.10 ppm
1,2,3-Trichloropropane	96-18-4	1.00 ppm	1.05 ppm
Nonane	111-84-2	1.00 ppm	1.05 ppm
Cumene	98-82-8	1.00 ppm	1.03 ppm
2-Chlorotoluene	95-49-8	1.00 ppm	1.07 ppm
n-Propylbenzene	103-65-1	1.00 ppm	1.03 ppm
4-Ethyltoluene	622-96-8	1.00 ppm	1.07 ppm
1,3,5-Trimethylbenzene	108-67-8	1.00 ppm	1.10 ppm
Alpha-Methyl Styrene (No Stability Guarantee)	98-83-9	1.00 ppm	1.03 ppm
Tert-Butyl Benzene	98-06-6	1.00 ppm	1.08 ppm
1,2,4-Trimethylbenzene	95-63-6	1.00 ppm	1.08 ppm
1,3-Dichlorobenzene	5411-73-11	1.00 ppm	1.09 ppm
Benzyl Chloride (No Stability Guarantee)	1000-444-77	1.00 ppm	1.09 ppm
n-Decane	1224-1885	1.00 ppm	1.08 ppm
1,4-Dichlorobenzene	1066-4677	1.00 ppm	1.08 ppm
sec-Butylbenzene	1335-9888	1.00 ppm	1.04 ppm
4-Isopropyltoluene	999-8776	1.00 ppm	1.04 ppm
1,2-Dichlorobenzene	955-5011	1.00 ppm	1.08 ppm
n-Butylbenzene	1044-5188	1.00 ppm	1.05 ppm

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PAGE: 4 of 4

6827184
ID:ATT015GALS_00621
Exp:01/01/2015 Prepared Opr:01/01/14
TOTS Calibration Source Tr

CERTIFICATE OF ANALYSIS

Sales#:	111092258	**Cylinder Size:**	2A (8" X 47.5")
Production#:	2915450	**Cylinder # :**	CC-90855
Certification Date:	Jan-10-2014	**Cylinder Pressure:**	1200 psig
P.O.# :	2546692	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	CERTIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	14004551	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	2400 Liter
Expiration Date:	Jan-10-2015	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
n-Undecane	1120-21-4	1.00 ppm	1.01 ppm
1,2,4-Trichlorobenzene	120-82-1	1.00 ppm	1.10 ppm
Naphthalene (No Stability Guarantee)	91-20-3	1.00 ppm	1.03 ppm
n-Dodecane	112-40-3	1.00 ppm	0.95 ppm
1,2,3-Trichlorobenzene	87-61-6	1.00 ppm	1.04 ppm
Hexachloro-1,3-Butadiene	87-68-3	1.00 ppm	1.10 ppm
Nitrogen	7727-37-9	Balance	Balance

ANALYST: Lou Lorenzetti

DATE: Jan-10-2014

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Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

9/15/11

Certificate of Analysis

Product Name:
Ethanol – 200 proof, anhydrous, ≥99.5%

CH_3CH_2OH

Product Number:	**459836**
Lot Number:	**SHBB5682V**
Brand:	SIAL
CAS Number:	64-17-5
MDL Number:	MFCD00003568
Formula:	C2H6O
Formula Weight:	46.07 g/mol
Quality Release Date:	15 SEP 2011

389837
ID: ATTO15EthCALs_00007
Exp 09/13/17 Prod Prd) Open 09/11/12
TO15 Ethanol Cal source 9

Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Infrared spectrum	Conforms to Structure	Conforms
Purity (GC)	≥ 99.5 %	> 99.9 %
Water (by Karl Fischer)	≤ 0.005 %	0.003 %
Residue on Evaporation	≤ 0.0005 %	0.0003 %
Starting Material Clearance	Confirmed	Conforms
TRACEABLE TO ACS PRODUCT LISTING		

Jennifer Baughman, Manager
Quality Control
Sheboygan Falls, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Spectra Gases, Inc.
34341 Route 222 West, Branchburg, New Jersey 08876 USA
ISO 9001:2000

AT06= 02-06-05 9/28/05 MTP

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ 08865

SHIPPED TO: Severn Trent Labs
208 South Park Drive
Suite 1
Colchester, VT 05446

Recert AT020/009 exp 12/14/08
Instrument F

CERTIFICATE OF ANALYSIS

Lot# 238643

SGI ORDER #:	0077411		
ITEM#:	1	CYLINDER #:	CC-172855
CERTIFICATION DATE:	9/16/2005	CYLINDER PRES:	2000 psig
P.O.#:	2117184	CYLINDER VALVE:	CGA 350
BLEND TYPE:	CERTIFIED	PRODUCT EXPIRATION DATE:	9/16/2006

ANALYTICAL ACCURACY: +/- 10%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Bromochloromethane	100 ppb	100 ppb
1,4-Difluorobenzene	100 ppb	101 ppb
Chlorobenzene-d5	100 ppb	100 ppb
4-Bromofluorobenzene	100 ppb	100 ppb
Nitrogen	Balance	Balance

84579
ID: ATTO15IFIS-s00003
Exp 11/15/11 Prod 9/16/05 Tech 129110
Instrument F Internal Sta

ANALYST: April Chamberlain

DATE: 9/19/2005

Tel:+1 (908) 252-9300 Fax:+1 (908) 252-9311
www.spectragases.com

Certification Summary

Client: FPM Remediations Inc
TestAmerica Job ID: 280-61460-1
Project/Site: Griffiss AFB Soil Vapor 1015-11-01 B101

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Burlington	Connecticut	State Program	1	PH-0751
TestAmerica Burlington	DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA
TestAmerica Burlington	Florida	NELAP	4	E87467
TestAmerica Burlington	L-A-B	DoD ELAP		L2336
TestAmerica Burlington	Maine	State Program	1	VT00008
TestAmerica Burlington	Minnesota	NELAP	5	050-999-436
TestAmerica Burlington	New Hampshire	NELAP	1	2006
TestAmerica Burlington	New Jersey	NELAP	2	VT972
TestAmerica Burlington	New York	NELAP	2	10391
TestAmerica Burlington	Pennsylvania	NELAP	3	68-00489
TestAmerica Burlington	Rhode Island	State Program	1	LAO00298
TestAmerica Burlington	US Fish & Wildlife	Federal		LE-058448-0
TestAmerica Burlington	USDA	Federal		P330-11-00093
TestAmerica Burlington	Vermont	State Program	1	VT-4000
TestAmerica Burlington	Virginia	NELAP	3	460209

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

TO15

Volatile Organic Compounds in Ambient Air

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 10288_003.d

Lab ID: LCS 200-79678/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	8.91	89	70-130	
Freon 22	10.0	8.21	82	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.0	100	70-130	
Chloromethane	10.0	8.21	82	70-130	
n-Butane	10.0	8.45	85	70-130	
Vinyl chloride	10.0	8.34	83	70-130	
1,3-Butadiene	10.0	8.50	85	70-130	
Bromomethane	10.0	8.30	83	70-130	
Chloroethane	10.0	8.95	90	70-130	
Bromoethene(Vinyl Bromide)	10.0	10.2	102	70-130	
Trichlorofluoromethane	10.0	9.33	93	70-130	
Freon TF	10.0	9.73	97	70-130	
1,1-Dichloroethene	10.0	10.1	101	70-130	
Acetone	10.0	9.67	97	70-130	
Isopropyl alcohol	10.0	8.30	83	70-130	
Carbon disulfide	10.0	11.5	115	70-130	
3-Chloropropene	10.0	8.80	88	70-130	
Methylene Chloride	10.0	8.62	86	70-130	
tert-Butyl alcohol	10.0	9.20	92	70-130	
Methyl tert-butyl ether	10.0	10.7	107	70-130	
trans-1,2-Dichloroethene	10.0	10.1	101	70-130	
n-Hexane	10.0	10.9	109	70-130	
1,1-Dichloroethane	10.0	9.43	94	70-130	
Methyl Ethyl Ketone	10.0	9.50	95	70-130	
cis-1,2-Dichloroethene	10.0	10.4	104	70-130	
Chloroform	10.0	9.60	96	70-130	
Tetrahydrofuran	10.0	9.21	92	70-130	
1,1,1-Trichloroethane	10.0	9.84	98	70-130	
Cyclohexane	10.0	11.1	111	70-130	
Carbon tetrachloride	10.0	10.2	102	70-130	
2,2,4-Trimethylpentane	10.0	10.4	104	70-130	
Benzene	10.0	9.88	99	70-130	
1,2-Dichloroethane	10.0	9.35	94	70-130	
n-Heptane	10.0	9.84	98	70-130	
Trichloroethene	10.0	10.5	105	70-130	
Methyl methacrylate	10.0	10.2	102	70-130	
1,2-Dichloropropane	10.0	9.48	95	70-130	
1,4-Dioxane	10.0	9.39	94	70-130	
Bromodichloromethane	10.0	9.58	96	70-130	
cis-1,3-Dichloropropene	10.0	10.9	109	70-130	
methyl isobutyl ketone	10.0	9.41	94	70-130	
Toluene	10.0	10.8	108	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 10288_003.d

Lab ID: LCS 200-79678/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	10.4	104	70-130	
1,1,2-Trichloroethane	10.0	10.2	102	70-130	
Tetrachloroethene	10.0	11.4	114	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.61	96	70-130	
Dibromochloromethane	10.0	10.4	104	70-130	
1,2-Dibromoethane	10.0	10.8	108	70-130	
Chlorobenzene	10.0	10.4	104	70-130	
Ethylbenzene	10.0	10.8	108	70-130	
m,p-Xylene	20.0	22.1	111	70-130	
Xylene, o-	10.0	11.4	114	70-130	
Styrene	10.0	11.5	115	70-130	
Bromoform	10.0	10.9	110	70-130	
Cumene	10.0	11.3	113	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.1	101	70-130	
n-Propylbenzene	10.0	10.9	109	70-130	
4-Ethyltoluene	10.0	11.2	112	70-130	
1,3,5-Trimethylbenzene	10.0	10.9	109	70-130	
2-Chlorotoluene	10.0	10.3	103	70-130	
tert-Butylbenzene	10.0	11.1	111	70-130	
1,2,4-Trimethylbenzene	10.0	11.1	111	70-130	
sec-Butylbenzene	10.0	11.1	111	70-130	
4-Isopropyltoluene	10.0	11.5	115	70-130	
1,3-Dichlorobenzene	10.0	10.8	108	70-130	
1,4-Dichlorobenzene	10.0	11.0	110	70-130	
Benzyl chloride	10.0	9.63	96	70-130	
n-Butylbenzene	10.0	10.6	106	70-130	
1,2-Dichlorobenzene	10.0	10.8	108	70-130	
1,2,4-Trichlorobenzene	10.0	11.4	114	70-130	
Hexachlorobutadiene	10.0	11.3	113	70-130	
Naphthalene	10.0	11.2	112	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 10320_03.D

Lab ID: LCS 200-79779/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	8.33	83	70-130	
Freon 22	10.0	8.25	83	70-130	
1,2-Dichlorotetrafluoroethane	10.0	9.37	94	70-130	
Chloromethane	10.0	8.08	81	70-130	
n-Butane	10.0	8.39	84	70-130	
Vinyl chloride	10.0	8.72	87	70-130	
1,3-Butadiene	10.0	8.52	85	70-130	
Bromomethane	10.0	8.68	87	70-130	
Chloroethane	10.0	8.37	84	70-130	
Bromoethene(Vinyl Bromide)	10.0	8.77	88	70-130	
Trichlorofluoromethane	10.0	8.10	81	70-130	
Freon TF	10.0	8.58	86	70-130	
1,1-Dichloroethene	10.0	8.82	88	70-130	
Acetone	10.0	8.32	83	70-130	
Isopropyl alcohol	10.0	7.52	75	70-130	
Carbon disulfide	10.0	9.64	96	70-130	
3-Chloropropene	10.0	8.64	86	70-130	
Methylene Chloride	10.0	8.08	81	70-130	
tert-Butyl alcohol	10.0	8.00	80	70-130	
Methyl tert-butyl ether	10.0	9.14	91	70-130	
trans-1,2-Dichloroethene	10.0	9.34	93	70-130	
n-Hexane	10.0	9.94	99	70-130	
1,1-Dichloroethane	10.0	8.66	87	70-130	
Methyl Ethyl Ketone	10.0	8.78	88	70-130	
cis-1,2-Dichloroethene	10.0	9.22	92	70-130	
Chloroform	10.0	9.08	91	70-130	
Tetrahydrofuran	10.0	8.91	89	70-130	
1,1,1-Trichloroethane	10.0	8.81	88	70-130	
Cyclohexane	10.0	9.51	95	70-130	
Carbon tetrachloride	10.0	8.72	87	70-130	
2,2,4-Trimethylpentane	10.0	9.35	93	70-130	
Benzene	10.0	9.01	90	70-130	
1,2-Dichloroethane	10.0	8.89	89	70-130	
n-Heptane	10.0	9.31	93	70-130	
Trichloroethene	10.0	10.2	102	70-130	
Methyl methacrylate	10.0	9.84	98	70-130	
1,2-Dichloropropane	10.0	9.53	95	70-130	
1,4-Dioxane	10.0	8.55	86	70-130	
Bromodichloromethane	10.0	9.54	95	70-130	
cis-1,3-Dichloropropene	10.0	9.95	100	70-130	
methyl isobutyl ketone	10.0	8.94	89	70-130	
Toluene	10.0	9.57	96	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 10320_03.D

Lab ID: LCS 200-79779/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	9.54	95	70-130	
1,1,2-Trichloroethane	10.0	9.64	96	70-130	
Tetrachloroethene	10.0	9.83	98	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.55	85	70-130	
Dibromochloromethane	10.0	9.45	95	70-130	
1,2-Dibromoethane	10.0	9.87	99	70-130	
Chlorobenzene	10.0	9.52	95	70-130	
Ethylbenzene	10.0	9.63	96	70-130	
m,p-Xylene	20.0	18.9	95	70-130	
Xylene, o-	10.0	9.57	96	70-130	
Styrene	10.0	10.1	101	70-130	
Bromoform	10.0	9.52	95	70-130	
Cumene	10.0	9.63	96	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.21	92	70-130	
n-Propylbenzene	10.0	9.40	94	70-130	
4-Ethyltoluene	10.0	9.78	98	70-130	
1,3,5-Trimethylbenzene	10.0	9.53	95	70-130	
2-Chlorotoluene	10.0	9.05	90	70-130	
tert-Butylbenzene	10.0	9.53	95	70-130	
1,2,4-Trimethylbenzene	10.0	9.45	95	70-130	
sec-Butylbenzene	10.0	9.38	94	70-130	
4-Isopropyltoluene	10.0	9.63	96	70-130	
1,3-Dichlorobenzene	10.0	9.76	98	70-130	
1,4-Dichlorobenzene	10.0	9.91	99	70-130	
Benzyl chloride	10.0	8.29	83	70-130	
n-Butylbenzene	10.0	9.11	91	70-130	
1,2-Dichlorobenzene	10.0	9.89	99	70-130	
1,2,4-Trichlorobenzene	10.0	9.83	98	70-130	
Hexachlorobutadiene	10.0	8.97	90	70-130	
Naphthalene	10.0	10.2	102	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Lab File ID: 10288_004.d Lab Sample ID: MB 200-79678/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHW.i Date Analyzed: 10/31/2014 11:23

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-79678/3	10288_003.d	10/31/2014 10:33
101VMP0101EA	280-61460-1	10288_009.d	10/31/2014 15:35
101VMP0201EA	280-61460-2	10288_010.d	10/31/2014 16:23
101VMP0301EA	280-61460-3	10288_011.d	10/31/2014 17:10
101VMP0101EC	280-61460-4	10288_012.d	10/31/2014 17:58
101IA0405EA	280-61460-6	10288_014.d	10/31/2014 19:42
101OA0305EA	280-61460-7	10288_015.d	10/31/2014 20:41
101CA01EA	280-61460-8	10288_016.d	10/31/2014 21:31
101514TB	280-61460-9	10288_017.d	10/31/2014 22:21

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Lab File ID: 10320_04.D Lab Sample ID: MB 200-79779/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHC.i Date Analyzed: 11/03/2014 12:16

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-79779/3	10320_03.D	11/03/2014 11:29
101IA0305EA	280-61460-5	10320_12.D	11/03/2014 18:35

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Lab File ID: 10262_01.D BFB Injection Date: 10/29/2014

Instrument ID: CHC.i BFB Injection Time: 15:22

Analysis Batch No.: 79551

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	21.6	
75	30.0 - 66.0% of mass 95	59.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.1	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	115.8	
175	4.0 - 9.0 % of mass 174	8.6	(7.4)1
176	93.0 - 101.0% of mass 174	112.1	(96.8)1
177	5.0 - 9.0% of mass 176	7.8	(7.0)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-79551/3	10262_03.D	10/29/2014	17:07
	IC 200-79551/4	10262_04.D	10/29/2014	17:54
	IC 200-79551/5	10262_05.D	10/29/2014	18:41
	IC 200-79551/6	10262_06.D	10/29/2014	19:28
	ICIS 200-79551/7	10262_07.D	10/29/2014	20:15
	IC 200-79551/8	10262_08.D	10/29/2014	21:03
	IC 200-79551/9	10262_09.D	10/29/2014	21:50
	IC 200-79551/10	10262_10.D	10/29/2014	22:37
	ICV 200-79551/13	10262_13.D	10/30/2014	00:59

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Lab File ID: 10320_01.D BFB Injection Date: 11/03/2014

Instrument ID: CHC.i BFB Injection Time: 09:55

Analysis Batch No.: 79779

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	21.4	
75	30.0 - 66.0% of mass 95	57.2	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.0	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	107.8	
175	4.0 - 9.0 % of mass 174	8.0	(7.4)1
176	93.0 - 101.0% of mass 174	104.7	(97.1)1
177	5.0 - 9.0% of mass 176	7.3	(7.0)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-79779/2	10320_02.D	11/03/2014	10:41
	LCS 200-79779/3	10320_03.D	11/03/2014	11:29
	MB 200-79779/4	10320_04.D	11/03/2014	12:16
101IA0305EA	280-61460-5	10320_12.D	11/03/2014	18:35

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Lab File ID: 10272_001.d BFB Injection Date: 10/30/2014

Instrument ID: CHW.i BFB Injection Time: 10:45

Analysis Batch No.: 79595

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	12.7	
75	30.0 - 66.0% of mass 95	40.5	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.5	(0.4)1
174	50.0 - 120.0% of mass 95	107.2	
175	4.0 - 9.0 % of mass 174	7.5	(7.0)1
176	93.0 - 101.0% of mass 174	103.4	(96.5)1
177	5.0 - 9.0% of mass 176	6.9	(6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-79595/4	10272_004.d	10/30/2014	13:30
	IC 200-79595/5	10272_005.d	10/30/2014	14:20
	IC 200-79595/6	10272_006.d	10/30/2014	15:11
	IC 200-79595/7	10272_007.d	10/30/2014	15:59
	ICIS 200-79595/8	10272_008.d	10/30/2014	16:49
	IC 200-79595/9	10272_009.d	10/30/2014	17:39
	IC 200-79595/10	10272_010.d	10/30/2014	18:28
	IC 200-79595/11	10272_011.d	10/30/2014	19:16
	ICV 200-79595/14	10272_014.d	10/30/2014	21:43

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Lab File ID: 10288_001.d BFB Injection Date: 10/31/2014

Instrument ID: CHW.i BFB Injection Time: 08:50

Analysis Batch No.: 79678

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	11.2	
75	30.0 - 66.0% of mass 95	38.1	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.5	(0.4)1
174	50.0 - 120.0% of mass 95	112.4	
175	4.0 - 9.0 % of mass 174	8.0	(7.1)1
176	93.0 - 101.0% of mass 174	110.4	(98.2)1
177	5.0 - 9.0% of mass 176	7.5	(6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-79678/2	10288_002.d	10/31/2014	09:44
	LCS 200-79678/3	10288_003.d	10/31/2014	10:33
	MB 200-79678/4	10288_004.d	10/31/2014	11:23
101VMP0101EA	280-61460-1	10288_009.d	10/31/2014	15:35
101VMP0201EA	280-61460-2	10288_010.d	10/31/2014	16:23
101VMP0301EA	280-61460-3	10288_011.d	10/31/2014	17:10
101VMP0101EC	280-61460-4	10288_012.d	10/31/2014	17:58
101IA0405EA	280-61460-6	10288_014.d	10/31/2014	19:42
101OA0305EA	280-61460-7	10288_015.d	10/31/2014	20:41
101CA01EA	280-61460-8	10288_016.d	10/31/2014	21:31
101514TB	280-61460-9	10288_017.d	10/31/2014	22:21

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Sample No.: ICIS 200-79551/7 Date Analyzed: 10/29/2014 20:15

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 10262_07.D Heated Purge: (Y/N) N

Calibration ID: 28416

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		129241	10.51	527381	12.52	507389	18.57
UPPER LIMIT		180937	10.84	738333	12.85	710345	18.90
LOWER LIMIT		77545	10.18	316429	12.19	304433	18.24
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-79551/13		161348	10.51	673152	12.52	643357	18.57

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Sample No.: CCVIS 200-79779/2 Date Analyzed: 11/03/2014 10:41

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 10320_02.D Heated Purge: (Y/N) N

Calibration ID: 28416

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		177766	10.51	747555	12.51	710678	18.57
UPPER LIMIT		248872	10.84	1046577	12.84	994949	18.90
LOWER LIMIT		106660	10.18	448533	12.18	426407	18.24
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-79779/3		199669	10.51	852488	12.52	839392	18.57
MB 200-79779/4		184545	10.50	810877	12.51	743506	18.57
280-61460-5	101IA0305EA	191731	10.51	848406	12.51	768420	18.56

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Sample No.: ICIS 200-79595/8 Date Analyzed: 10/30/2014 16:49

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 10272_008.d Heated Purge: (Y/N) N

Calibration ID: 28412

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		531575	12.83	2434430	14.71	2283033	20.41
UPPER LIMIT		744205	13.16	3408202	15.04	3196246	20.74
LOWER LIMIT		318945	12.50	1460658	14.38	1369820	20.08
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-79595/14		623840	12.83	2884966	14.71	2641215	20.40

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Sample No.: CCVIS 200-79678/2 Date Analyzed: 10/31/2014 09:44

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 10288_002.d Heated Purge: (Y/N) N

Calibration ID: 28412

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		611380	12.83	2826335	14.72	2589360	20.41
UPPER LIMIT		855932	13.16	3956869	15.05	3625104	20.74
LOWER LIMIT		366828	12.50	1695801	14.39	1553616	20.08
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-79678/3		622534	12.83	2880725	14.72	2623815	20.41
MB 200-79678/4		639288	12.83	3004046	14.71	2706851	20.41
280-61460-1	101VMP0101EA	618410	12.83	2871649	14.71	2636054	20.41
280-61460-2	101VMP0201EA	562545	12.83	2613077	14.71	2365067	20.41
280-61460-3	101VMP0301EA	619988	12.83	2903002	14.71	2618416	20.41
280-61460-4	101VMP0101EC	602445	12.82	2786386	14.71	2570594	20.41
280-61460-6	101IA0405EA	567333	12.82	2642846	14.71	2415210	20.41
280-61460-7	101OA0305EA	581944	12.83	2719465	14.71	2522551	20.41
280-61460-8	101CA01EA	591414	12.83	2761426	14.71	2546403	20.41
280-61460-9	101514TB	622486	12.83	2911649	14.71	2619957	20.41

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101VMP0101EA Lab Sample ID: 280-61460-1

Matrix: Air Lab File ID: 10288_009.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:00

Sample wt/vol: 80(mL) Date Analyzed: 10/31/2014 15:35

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.46	J D	1.3	0.14
75-45-6	Freon 22	86.47	0.38	J D	1.3	0.20
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.50	0.13
74-87-3	Chloromethane	50.49	0.50	U	1.3	0.15
106-97-8	n-Butane	58.12	0.50	U	1.3	0.45
75-01-4	Vinyl chloride	62.50	0.075	U	0.50	0.065
106-99-0	1,3-Butadiene	54.09	0.20	U	0.50	0.090
74-83-9	Bromomethane	94.94	0.20	U	0.50	0.11
75-00-3	Chloroethane	64.52	0.20	U	1.3	0.15
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.075	U	0.50	0.050
75-69-4	Trichlorofluoromethane	137.37	0.42	J D	0.50	0.11
76-13-1	Freon TF	187.38	0.11	J D	0.50	0.10
75-35-4	1,1-Dichloroethene	96.94	0.075	U	0.50	0.025
67-64-1	Acetone	58.08	62	D	13	1.7
67-63-0	Isopropyl alcohol	60.10	19	D	13	0.38
75-15-0	Carbon disulfide	76.14	0.93	J D	1.3	0.075
107-05-1	3-Chloropropene	76.53	0.50	U	1.3	0.40
75-09-2	Methylene Chloride	84.93	0.50	U	1.3	0.30
75-65-0	tert-Butyl alcohol	74.12	1.4	J D	13	0.30
1634-04-4	Methyl tert-butyl ether	88.15	0.11	J D	0.50	0.055
156-60-5	trans-1,2-Dichloroethene	96.94	0.075	U	0.50	0.068
110-54-3	n-Hexane	86.17	0.49	J D	0.50	0.070
75-34-3	1,1-Dichloroethane	98.96	0.075	U	0.50	0.070
78-93-3	Methyl Ethyl Ketone	72.11	6.9	D	1.3	0.23
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.50	0.075
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.50	0.13
67-66-3	Chloroform	119.38	5.1	D	0.50	0.095
109-99-9	Tetrahydrofuran	72.11	8.2	J D	13	0.45
71-55-6	1,1,1-Trichloroethane	133.41	0.19	J D	0.50	0.075
110-82-7	Cyclohexane	84.16	0.39	J D M	0.50	0.025
56-23-5	Carbon tetrachloride	153.81	0.12	J D	0.50	0.028
540-84-1	2,2,4-Trimethylpentane	114.23	0.12	J D	0.50	0.058
71-43-2	Benzene	78.11	0.28	J D	0.50	0.073
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.50	0.13

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101VMP0101EA Lab Sample ID: 280-61460-1

Matrix: Air Lab File ID: 10288_009.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:00

Sample wt/vol: 80(mL) Date Analyzed: 10/31/2014 15:35

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.20	U	0.50	0.093
79-01-6	Trichloroethene	131.39	3.6	D	0.50	0.075
80-62-6	Methyl methacrylate	100.12	0.36	J D	1.3	0.24
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.50	0.088
123-91-1	1,4-Dioxane	88.11	0.50	U	13	0.40
75-27-4	Bromodichloromethane	163.83	0.075	U	0.50	0.073
10061-01-5	cis-1,3-Dichloropropene	110.97	0.075	U	0.50	0.073
108-10-1	methyl isobutyl ketone	100.16	0.50	U	1.3	0.45
108-88-3	Toluene	92.14	12	D	0.50	0.063
10061-02-6	trans-1,3-Dichloropropene	110.97	0.075	U	0.50	0.065
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.50	0.093
127-18-4	Tetrachloroethene	165.83	0.13	J D	0.50	0.075
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	1.3	0.43
124-48-1	Dibromochloromethane	208.29	0.075	U	0.50	0.050
106-93-4	1,2-Dibromoethane	187.87	0.075	U	0.50	0.045
108-90-7	Chlorobenzene	112.56	0.20	J D	0.50	0.045
100-41-4	Ethylbenzene	106.17	1.1	D	0.50	0.050
179601-23-1	m,p-Xylene	106.17	4.0	D	1.3	0.063
95-47-6	Xylene, o-	106.17	1.1	D	0.50	0.045
1330-20-7	Xylene (total)	106.17	5.1		0.50	0.10
100-42-5	Styrene	104.15	0.46	J D	0.50	0.040
75-25-2	Bromoform	252.75	0.075	U	0.50	0.063
98-82-8	Cumene	120.19	0.12	J D	0.50	0.048
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.50	0.085
103-65-1	n-Propylbenzene	120.19	0.20	J D	0.50	0.068
622-96-8	4-Ethyltoluene	120.20	0.33	J D	0.50	0.050
108-67-8	1,3,5-Trimethylbenzene	120.20	0.30	J D	0.50	0.048
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.50	0.078
98-06-6	tert-Butylbenzene	134.22	0.075	U	0.50	0.050
95-63-6	1,2,4-Trimethylbenzene	120.20	0.96	D	0.50	0.040
135-98-8	sec-Butylbenzene	134.22	0.075	U	0.50	0.053
99-87-6	4-Isopropyltoluene	134.22	0.34	J D	0.50	0.050
541-73-1	1,3-Dichlorobenzene	147.00	0.98	D	0.50	0.050
106-46-7	1,4-Dichlorobenzene	147.00	0.076	J D	0.50	0.048

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101VMP0101EA Lab Sample ID: 280-61460-1

Matrix: Air Lab File ID: 10288_009.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:00

Sample wt/vol: 80(mL) Date Analyzed: 10/31/2014 15:35

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.075	U	0.50	0.045
104-51-8	n-Butylbenzene	134.22	0.075	U	0.50	0.070
95-50-1	1,2-Dichlorobenzene	147.00	0.075	U	0.50	0.045
120-82-1	1,2,4-Trichlorobenzene	181.45	0.20	U	1.3	0.085
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.50	0.090
91-20-3	Naphthalene	128.17	0.20	U	1.3	0.075

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101VMP0101EA Lab Sample ID: 280-61460-1

Matrix: Air Lab File ID: 10288_009.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:00

Sample wt/vol: 80(mL) Date Analyzed: 10/31/2014 15:35

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.3	J D	6.2	0.69
75-45-6	Freon 22	86.47	1.4	J D	4.4	0.71
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	3.5	0.91
74-87-3	Chloromethane	50.49	1.0	U	2.6	0.31
106-97-8	n-Butane	58.12	1.2	U	3.0	1.1
75-01-4	Vinyl chloride	62.50	0.19	U	1.3	0.17
106-99-0	1,3-Butadiene	54.09	0.44	U	1.1	0.20
74-83-9	Bromomethane	94.94	0.78	U	1.9	0.43
75-00-3	Chloroethane	64.52	0.53	U	3.3	0.40
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.33	U	2.2	0.22
75-69-4	Trichlorofluoromethane	137.37	2.4	J D	2.8	0.63
76-13-1	Freon TF	187.38	0.82	J D	3.8	0.79
75-35-4	1,1-Dichloroethene	96.94	0.30	U	2.0	0.099
67-64-1	Acetone	58.08	150	D	30	4.1
67-63-0	Isopropyl alcohol	60.10	48	D	31	0.92
75-15-0	Carbon disulfide	76.14	2.9	J D	3.9	0.23
107-05-1	3-Chloropropene	76.53	1.6	U	3.9	1.3
75-09-2	Methylene Chloride	84.93	1.7	U	4.3	1.0
75-65-0	tert-Butyl alcohol	74.12	4.3	J D	38	0.91
1634-04-4	Methyl tert-butyl ether	88.15	0.41	J D	1.8	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	0.30	U	2.0	0.27
110-54-3	n-Hexane	86.17	1.7	J D	1.8	0.25
75-34-3	1,1-Dichloroethane	98.96	0.30	U	2.0	0.28
78-93-3	Methyl Ethyl Ketone	72.11	20	D	3.7	0.68
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	2.0	0.30
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	2.0	0.53
67-66-3	Chloroform	119.38	25	D	2.4	0.46
109-99-9	Tetrahydrofuran	72.11	24	J D	37	1.3
71-55-6	1,1,1-Trichloroethane	133.41	1.0	J D	2.7	0.41
110-82-7	Cyclohexane	84.16	1.4	J D M	1.7	0.086
56-23-5	Carbon tetrachloride	153.81	0.74	J D	3.1	0.17
540-84-1	2,2,4-Trimethylpentane	114.23	0.56	J D	2.3	0.27
71-43-2	Benzene	78.11	0.89	J D	1.6	0.23
107-06-2	1,2-Dichloroethane	98.96	0.81	U	2.0	0.53

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101VMP0101EA Lab Sample ID: 280-61460-1

Matrix: Air Lab File ID: 10288_009.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:00

Sample wt/vol: 80(mL) Date Analyzed: 10/31/2014 15:35

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.82	U	2.0	0.38
79-01-6	Trichloroethene	131.39	20	D	2.7	0.40
80-62-6	Methyl methacrylate	100.12	1.5	J D	5.1	0.98
78-87-5	1,2-Dichloropropane	112.99	0.92	U	2.3	0.40
123-91-1	1,4-Dioxane	88.11	1.8	U	45	1.4
75-27-4	Bromodichloromethane	163.83	0.50	U	3.4	0.49
10061-01-5	cis-1,3-Dichloropropene	110.97	0.34	U	2.3	0.33
108-10-1	methyl isobutyl ketone	100.16	2.0	U	5.1	1.8
108-88-3	Toluene	92.14	44	D	1.9	0.24
10061-02-6	trans-1,3-Dichloropropene	110.97	0.34	U	2.3	0.30
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	2.7	0.50
127-18-4	Tetrachloroethene	165.83	0.85	J D	3.4	0.51
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	5.1	1.7
124-48-1	Dibromochloromethane	208.29	0.64	U	4.3	0.43
106-93-4	1,2-Dibromoethane	187.87	0.58	U	3.8	0.35
108-90-7	Chlorobenzene	112.56	0.94	J D	2.3	0.21
100-41-4	Ethylbenzene	106.17	4.7	D	2.2	0.22
179601-23-1	m,p-Xylene	106.17	17	D	5.4	0.27
95-47-6	Xylene, o-	106.17	4.9	D	2.2	0.20
1330-20-7	Xylene (total)	106.17	22		2.2	0.45
100-42-5	Styrene	104.15	2.0	J D	2.1	0.17
75-25-2	Bromoform	252.75	0.78	U	5.2	0.65
98-82-8	Cumene	120.19	0.61	J D	2.5	0.23
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	3.4	0.58
103-65-1	n-Propylbenzene	120.19	0.99	J D	2.5	0.33
622-96-8	4-Ethyltoluene	120.20	1.6	J D	2.5	0.25
108-67-8	1,3,5-Trimethylbenzene	120.20	1.5	J D	2.5	0.23
95-49-8	2-Chlorotoluene	126.59	1.0	U	2.6	0.40
98-06-6	tert-Butylbenzene	134.22	0.41	U	2.7	0.27
95-63-6	1,2,4-Trimethylbenzene	120.20	4.7	D	2.5	0.20
135-98-8	sec-Butylbenzene	134.22	0.41	U	2.7	0.29
99-87-6	4-Isopropyltoluene	134.22	1.9	J D	2.7	0.27
541-73-1	1,3-Dichlorobenzene	147.00	5.9	D	3.0	0.30
106-46-7	1,4-Dichlorobenzene	147.00	0.45	J D	3.0	0.29

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101VMP0101EA Lab Sample ID: 280-61460-1

Matrix: Air Lab File ID: 10288_009.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:00

Sample wt/vol: 80(mL) Date Analyzed: 10/31/2014 15:35

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.39	U	2.6	0.23
104-51-8	n-Butylbenzene	134.22	0.41	U	2.7	0.38
95-50-1	1,2-Dichlorobenzene	147.00	0.45	U	3.0	0.27
120-82-1	1,2,4-Trichlorobenzene	181.45	1.5	U	9.3	0.63
87-68-3	Hexachlorobutadiene	260.76	2.1	U	5.3	0.96
91-20-3	Naphthalene	128.17	1.0	U	6.6	0.39

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_009.d
Lims ID: 280-61460-A-1 Lab Sample ID: 200-61460-1
Client ID: 101VMP0101EA
Sample Type: Client
Inject. Date: 31-Oct-2014 15:35:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 2.5000
Sample Info: 200-0010288-009
Misc. Info.: 280-61460-a-1
Operator ID: BPL Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 03-Nov-2014 09:12:42 Calib Date: 30-Oct-2014 19:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: lyonsb Date: 03-Nov-2014 08:56:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.478	4.483	-0.005	98	33480	0.1829	
6 Chlorodifluoromethane	51	4.542	4.547	-0.005	96	12946	0.1535	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.831				ND	
8 Chloromethane	50		5.029				ND	
9 Butane	43		5.291				ND	
10 Vinyl chloride	62		5.350				ND	
11 Butadiene	54		5.446				ND	
12 Bromomethane	94		6.307				ND	
14 Chloroethane	64		6.591				ND	
16 Vinyl bromide	106		7.067				ND	
17 Trichlorofluoromethane	101	7.184	7.184	0.000	97	30669	0.1684	
23 1,1,2-Trichloro-1,2,2-trif	101	8.426	8.426	0.000	87	6297	0.0427	
24 1,1-Dichloroethene	96		8.500				ND	
25 Acetone	43	8.725	8.731	-0.006	91	1834813	24.7	
26 Carbon disulfide	76	8.987	8.987	0.000	100	65176	0.3719	
27 Isopropyl alcohol	45	9.009	9.025	-0.016	98	462913	7.78	
29 3-Chloro-1-propene	41		9.383				ND	
31 Methylene Chloride	49		9.715				ND	
32 2-Methyl-2-propanol	59	9.881	9.891	-0.010	99	52499	0.5660	
33 Methyl tert-butyl ether	73	10.138	10.138	0.000	93	7291	0.0458	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
34 trans-1,2-Dichloroethene	61		10.212				ND	
36 Hexane	57	10.635	10.630	0.005	83	15282	0.1956	
37 1,1-Dichloroethane	63		11.175				ND	
39 cis-1,2-Dichloroethene	96		12.352				ND	
40 2-Butanone (MEK)	72	12.352	12.358	-0.006	99	95114	2.77	
44 Tetrahydrofuran	42	12.823	12.828	-0.005	91	167513	3.28	
* 43 Chlorobromomethane	128	12.834	12.834	0.000	69	618410	10.0	
45 Chloroform	83	12.941	12.941	0.000	98	282311	2.06	
46 Cyclohexane	84	13.240	13.240	0.000	85	14346	0.1571	M
47 1,1,1-Trichloroethane	97	13.251	13.251	0.000	79	10995	0.0756	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	13.513	13.508	0.005	95	7446	0.0469	
51 Isooctane	57	13.893	13.898	-0.005	94	12136	0.0478	
50 Benzene	78	13.952	13.957	-0.005	93	23741	0.1112	
52 1,2-Dichloroethane	62		14.118				ND	
53 n-Heptane	43		14.246				ND	
* 54 1,4-Difluorobenzene	114	14.712	14.717	-0.005	91	2871649	10.0	
56 Trichloroethene	95	15.177	15.182	-0.005	89	140941	1.46	
58 1,2-Dichloropropane	63		15.696				ND	
59 Methyl methacrylate	69	15.776	15.781	-0.005	88	9869	0.1446	
60 1,4-Dioxane	88		15.872				ND	
62 Dichlorobromomethane	83		16.193				ND	
64 cis-1,3-Dichloropropene	75		17.055				ND	
65 4-Methyl-2-pentanone (MIBK	43		17.285				ND	
66 Toluene	92	17.622	17.627	-0.005	93	746400	4.67	
70 trans-1,3-Dichloropropene	75		18.157				ND	
71 1,1,2-Trichloroethane	83		18.526				ND	
72 Tetrachloroethene	166	18.665	18.665	0.000	91	8621	0.0501	
73 2-Hexanone	43		18.906				ND	
74 Chlorodibromomethane	129		19.280				ND	
75 Ethylene Dibromide	107		19.564				ND	
S 82 Xylenes, Total	106				0		2.04	
* 76 Chlorobenzene-d5	117	20.409	20.409	0.000	80	2636054	10.0	
77 Chlorobenzene	112	20.468	20.468	0.000	94	20826	0.0816	
78 Ethylbenzene	91	20.575	20.580	-0.005	95	146725	0.4332	
80 m-Xylene & p-Xylene	106	20.789	20.794	-0.005	97	230846	1.59	
83 o-Xylene	106	21.511	21.511	0.000	95	64626	0.4507	
84 Styrene	104	21.548	21.548	0.000	97	39805	0.1849	
85 Bromoform	173		21.934				ND	
86 Isopropylbenzene	105	22.073	22.078	-0.005	92	19573	0.0495	
$ 87 4-Bromofluorobenzene	95	22.415	22.415	0.000	95	1592368	NC	
88 1,1,2,2-Tetrachloroethane	83		22.640				ND	
90 N-Propylbenzene	91	22.709	22.709	0.000	99	37211	0.0804	
91 4-Ethyltoluene	105	22.875	22.881	-0.005	98	55204	0.1306	
92 2-Chlorotoluene	91		22.913				ND	
94 1,3,5-Trimethylbenzene	105	22.966	22.971	-0.005	96	43177	0.1218	
96 tert-Butylbenzene	119		23.448				ND	
97 1,2,4-Trimethylbenzene	105	23.539	23.539	0.001	95	136883	0.3856	
98 sec-Butylbenzene	105		23.774				ND	
99 4-Isopropyltoluene	119	23.977	23.977	0.000	97	60564	0.1356	
100 1,3-Dichlorobenzene	146	24.047	24.047	0.000	98	116711	0.3903	
101 1,4-Dichlorobenzene	146	24.197	24.197	0.000	53	8690	0.0302	
102 Benzyl chloride	91		24.400				ND	
103 n-Butylbenzene	91		24.614				ND	
105 1,2-Dichlorobenzene	146		24.796				ND	
107 1,2,4-Trichlorobenzene	180		27.674				ND	
108 Hexachlorobutadiene	225		27.872				ND	
109 Naphthalene	128		28.257				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

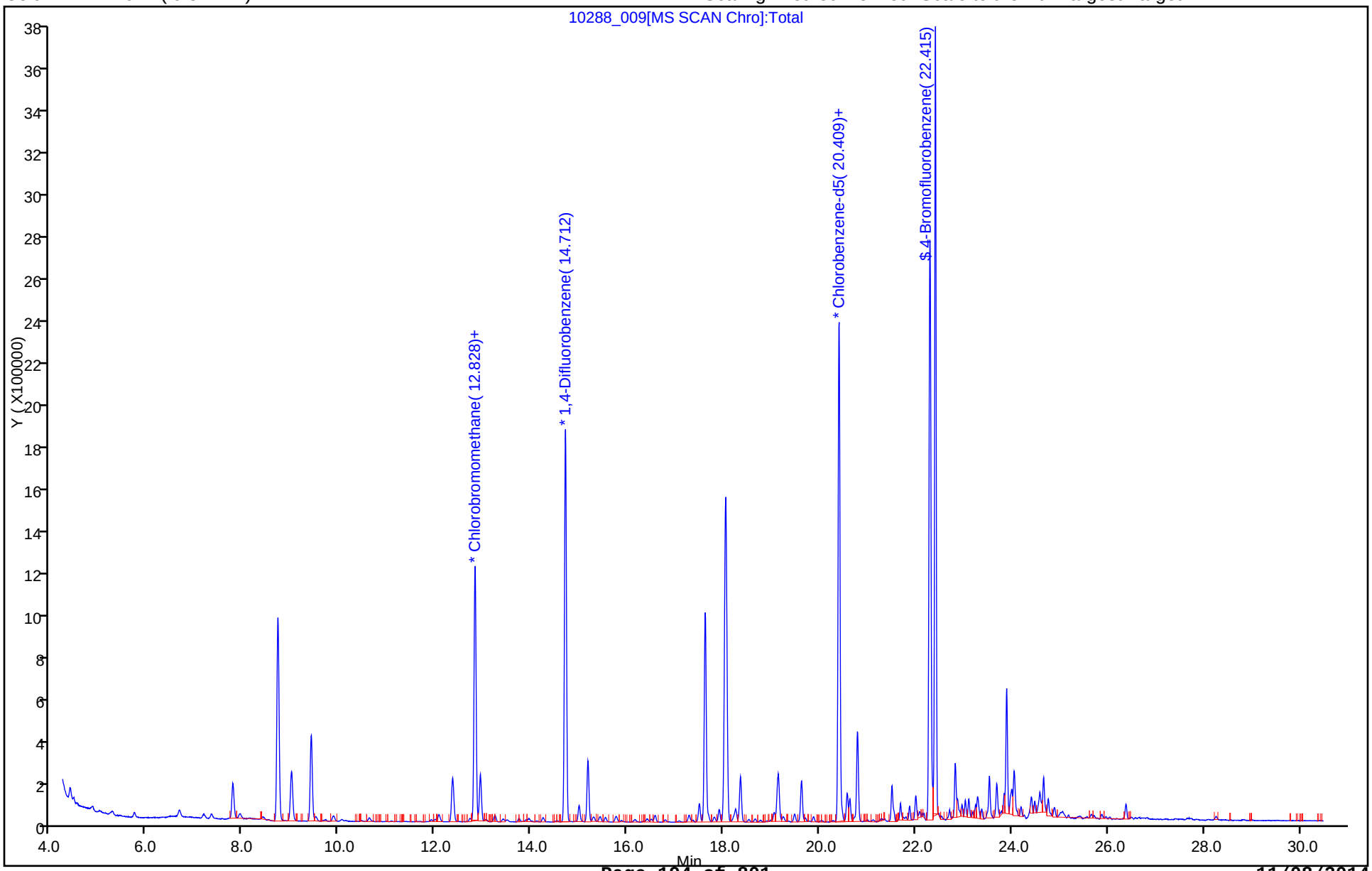
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TestAmerica Burlington

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Injection Date:	31-Oct-2014 15:35:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	280-61460-A-1	Lab Sample ID:	200-61460-1	Worklist Smp#:	9
Client ID:	101VMP0101EA				
Purge Vol:	200.000 mL	Dil. Factor:	2.5000	ALS Bottle#:	8
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



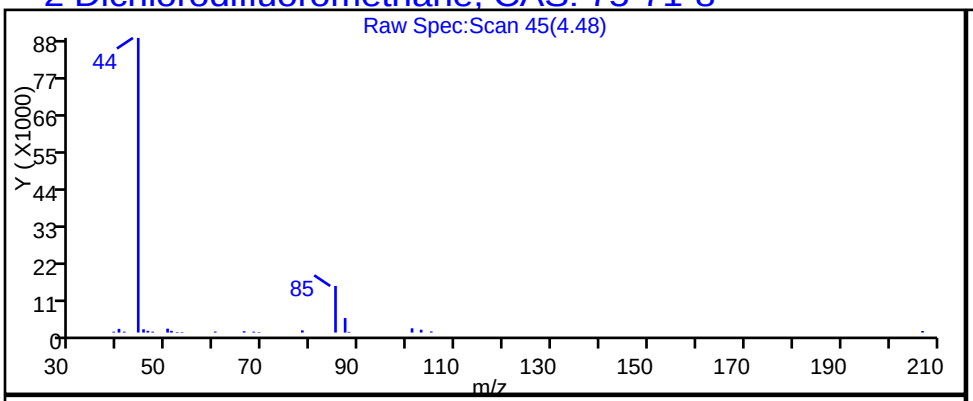
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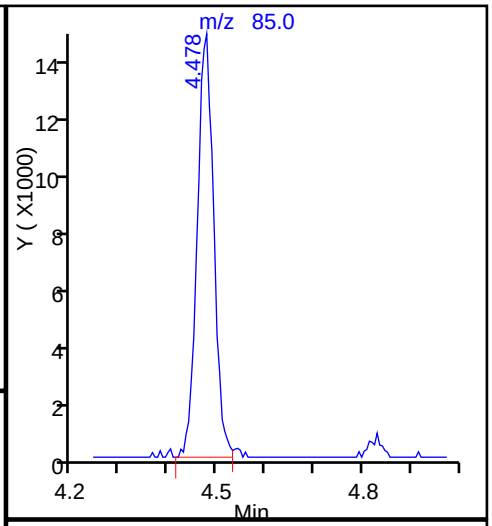
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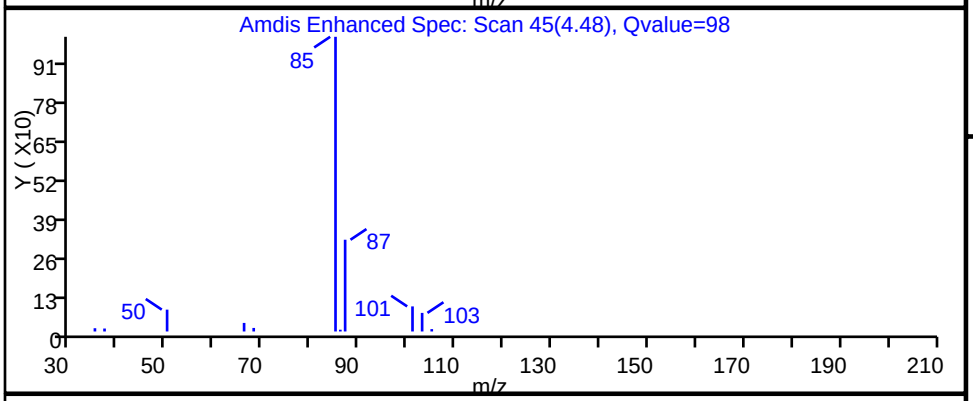
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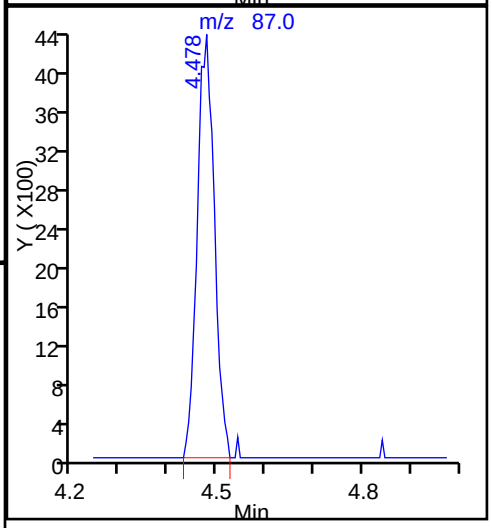
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Lims ID:	280-61460-A-1	Lab Sample ID:	200-61460-1		
Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

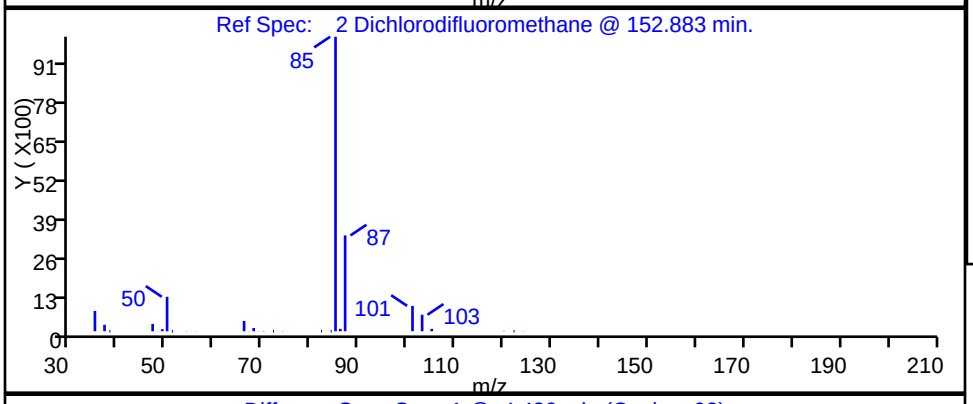
2 Dichlorodifluoromethane, CAS: 75-71-8

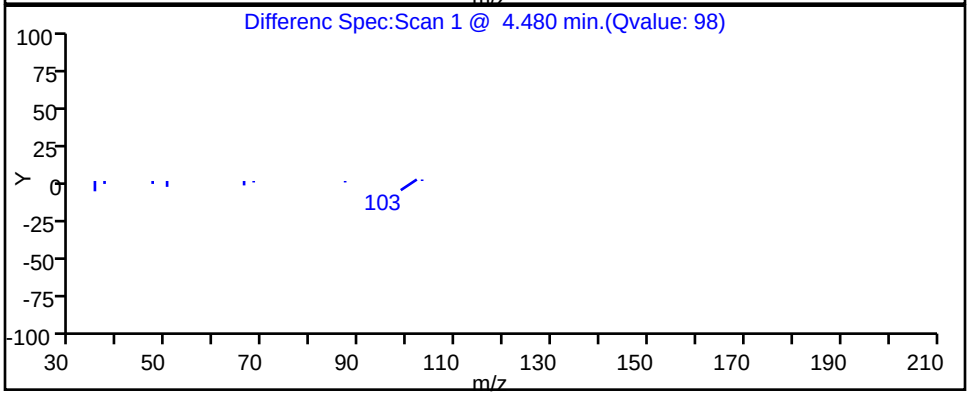








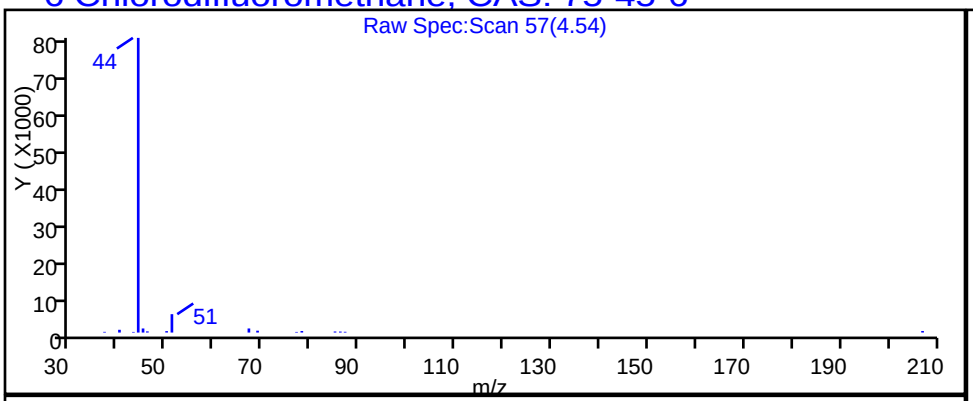


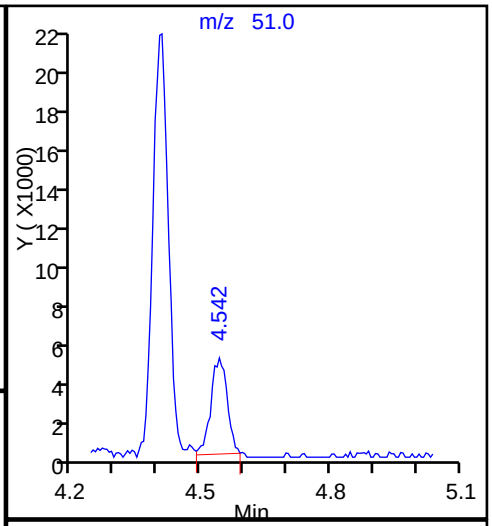


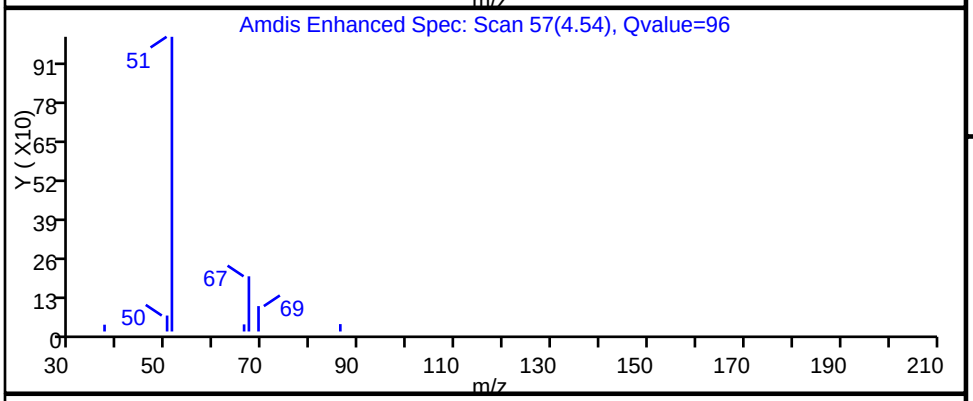
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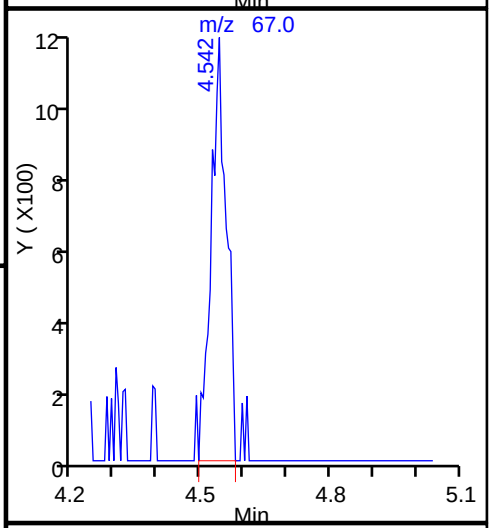
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Injection Date:	31-Oct-2014 15:35:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-1	Lab Sample ID:	200-61460-1		
Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

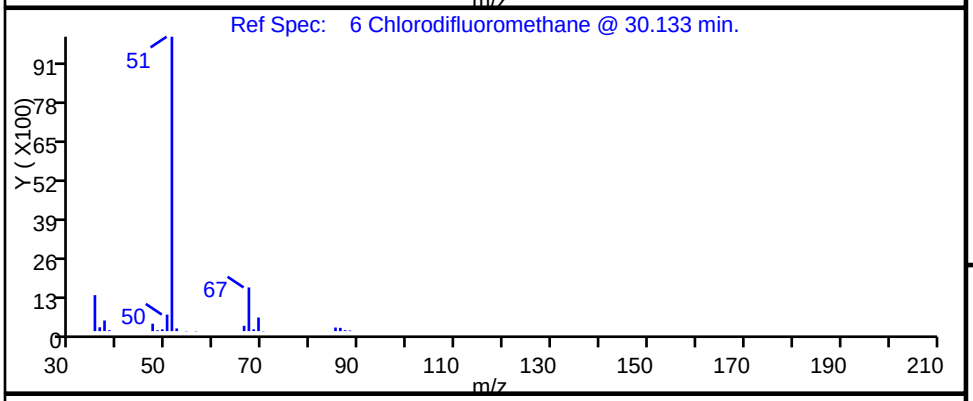
6 Chlorodifluoromethane, CAS: 75-45-6

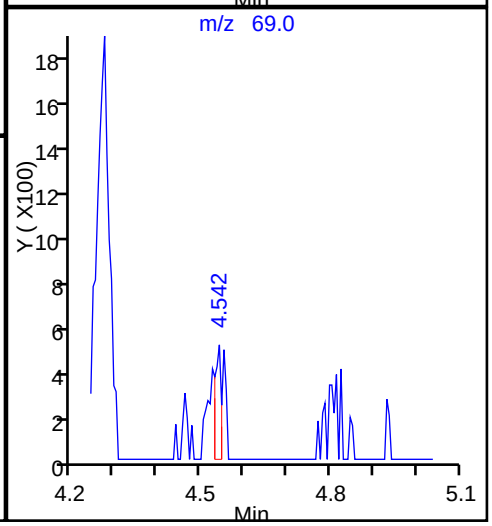


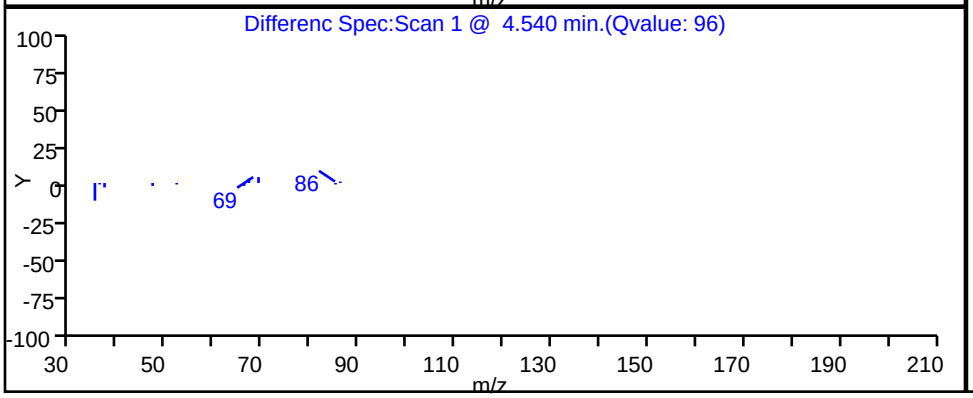












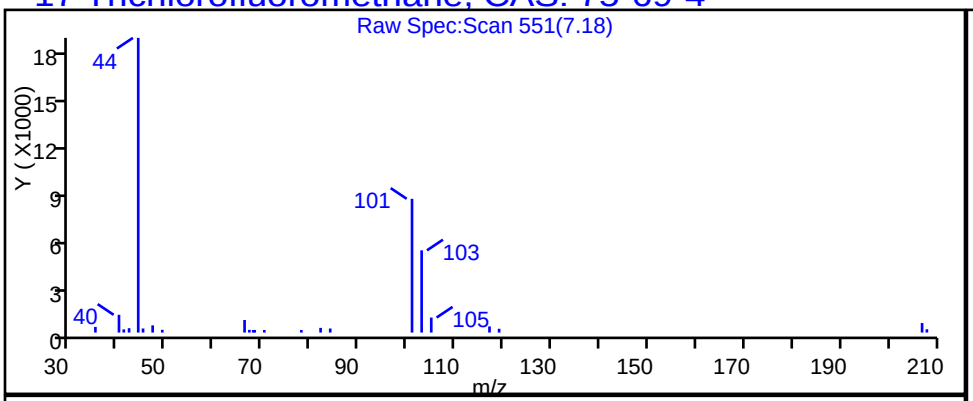
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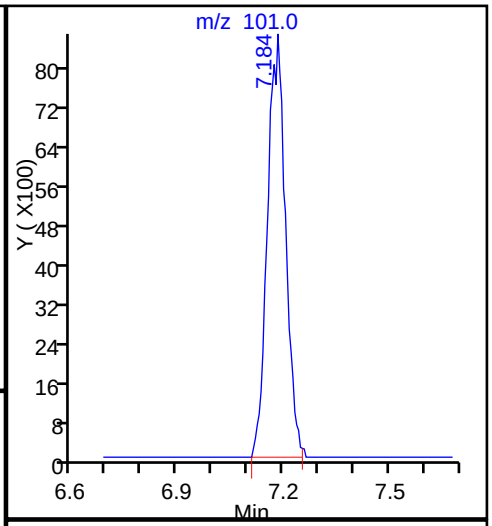
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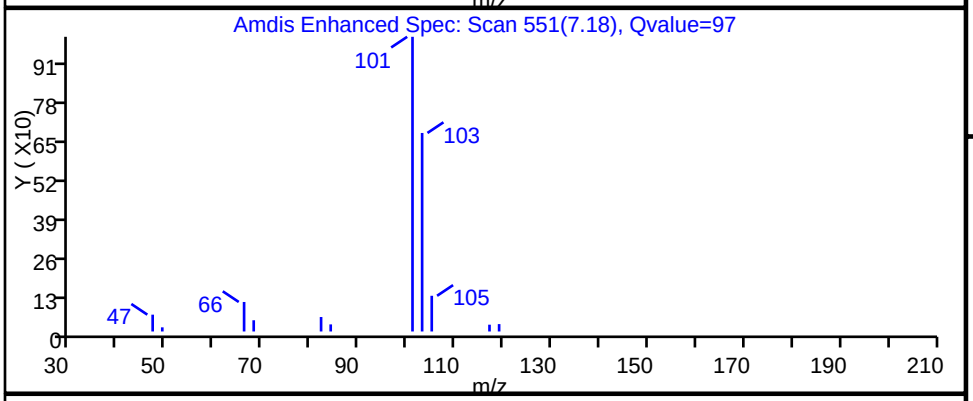
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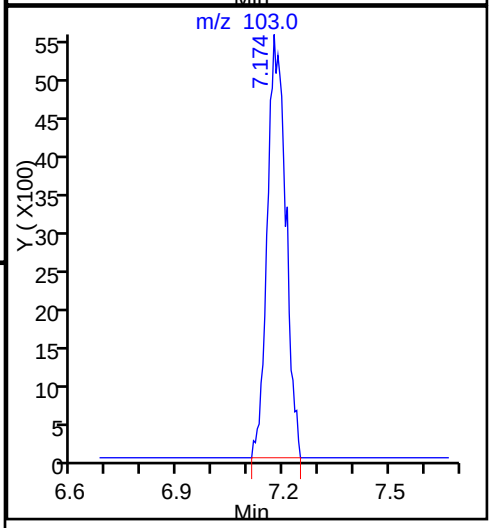
Injection Date:	31-Oct-2014 15:35:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-1	Lab Sample ID:	200-61460-1		
Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

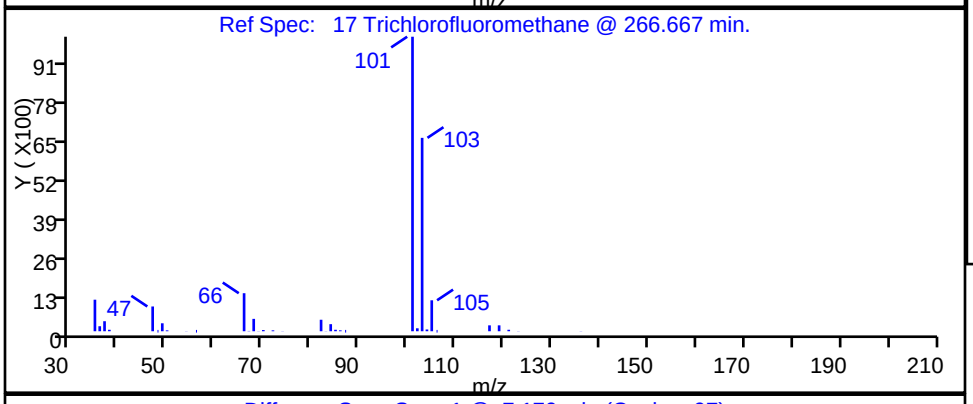
17 Trichlorofluoromethane, CAS: 75-69-4

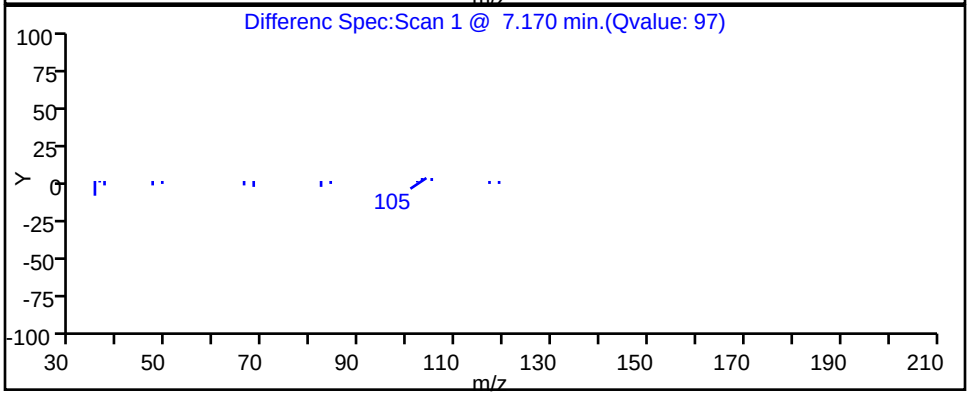








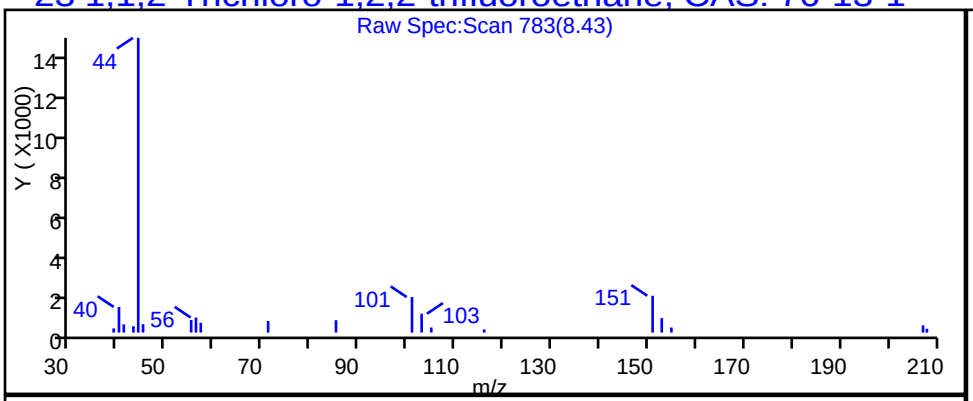


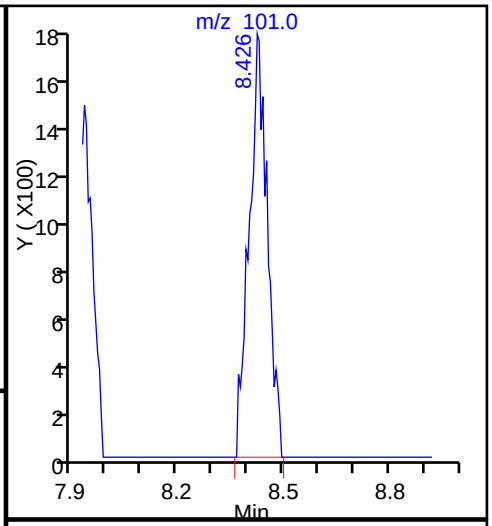


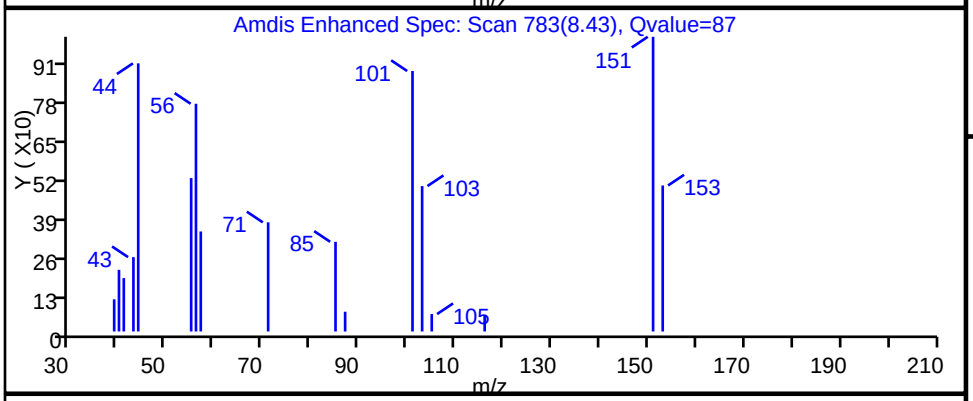
TestAmerica Burlington

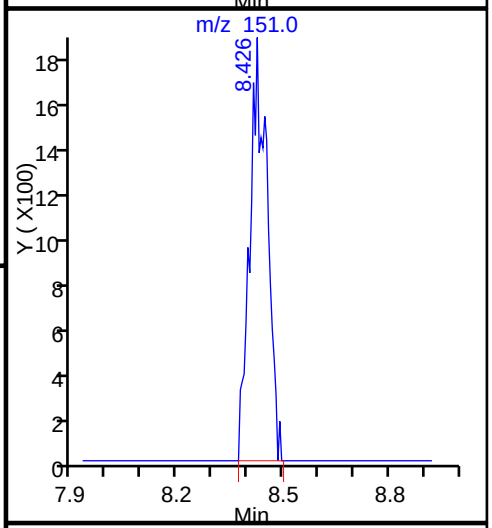
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Injection Date:	31-Oct-2014 15:35:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-1	Lab Sample ID:	200-61460-1		
Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

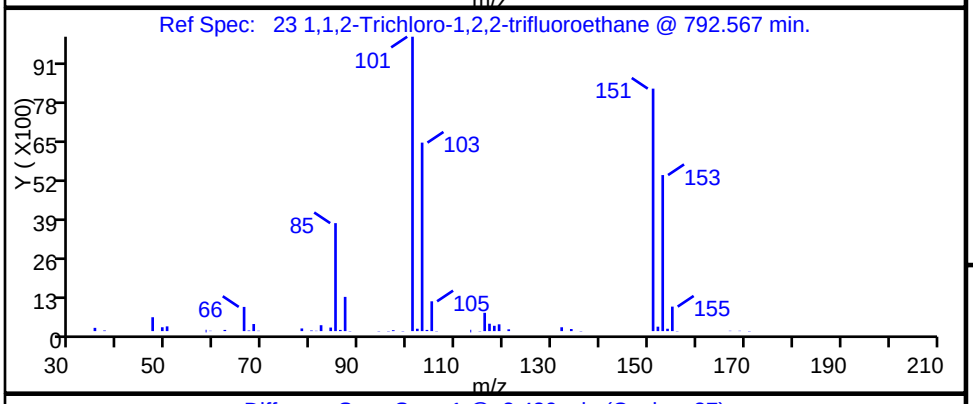
23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

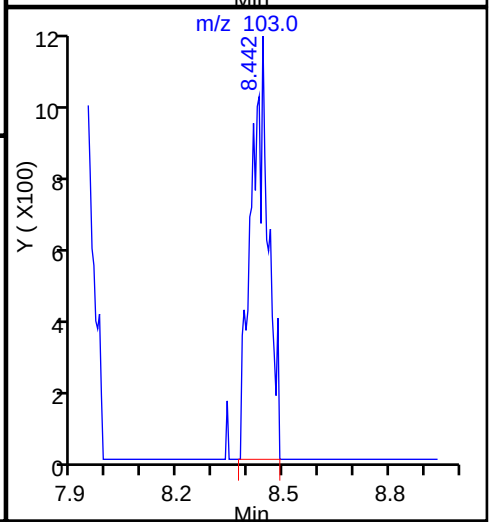


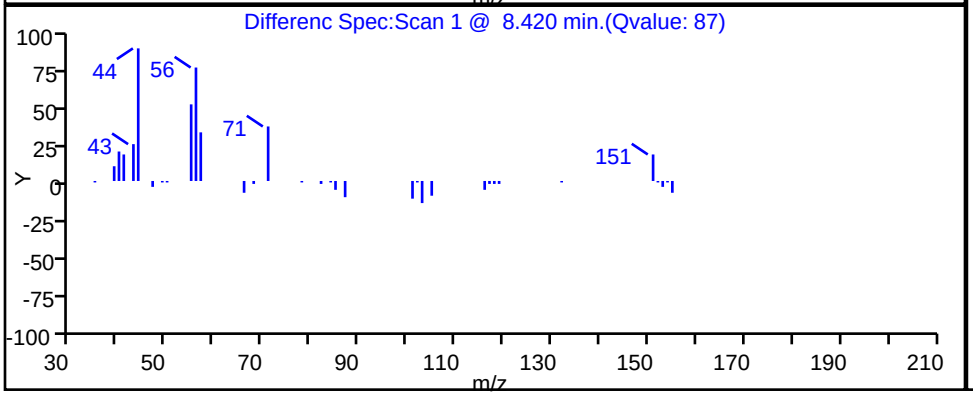












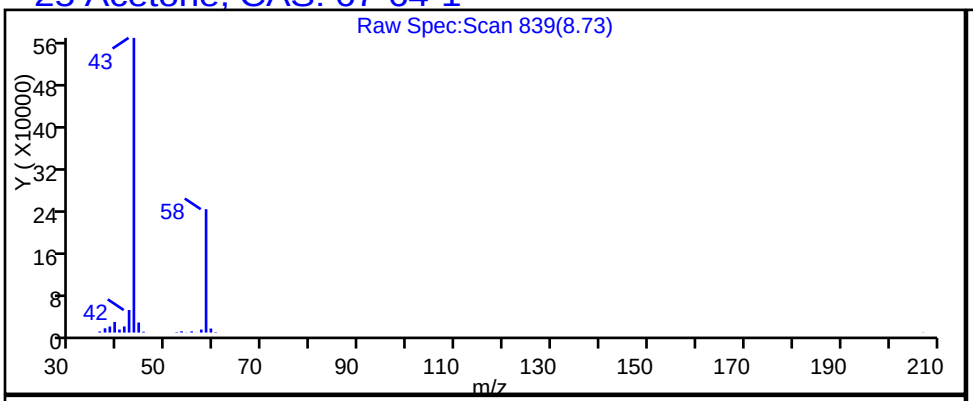
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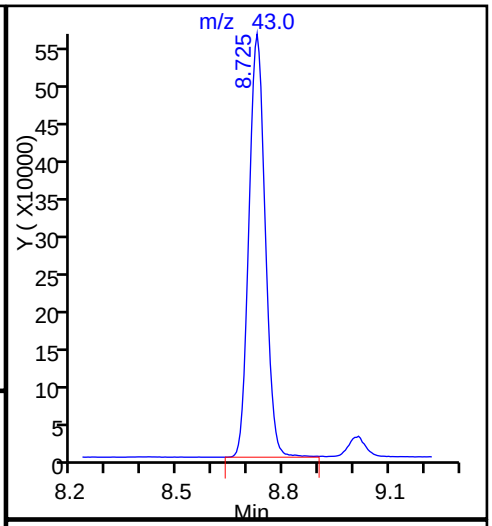
TestAmerica Burlington

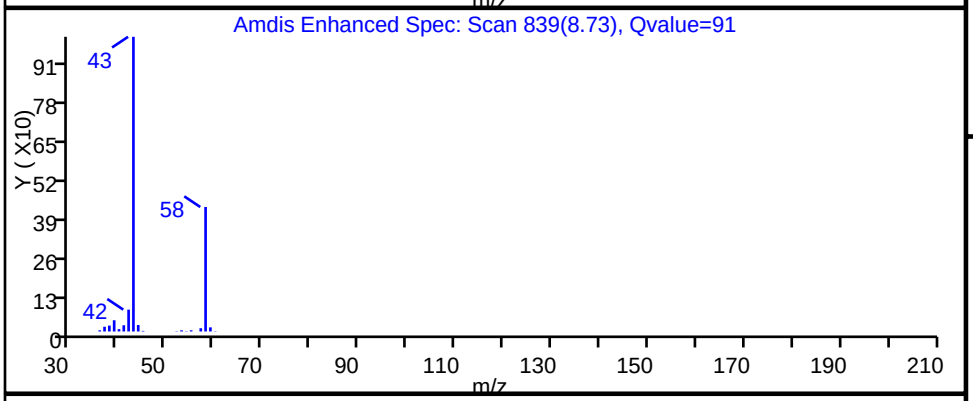
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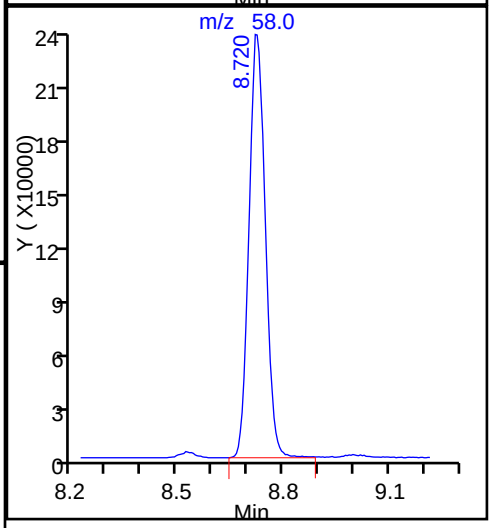
Injection Date:	31-Oct-2014 15:35:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-1	Lab Sample ID:	200-61460-1		
Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

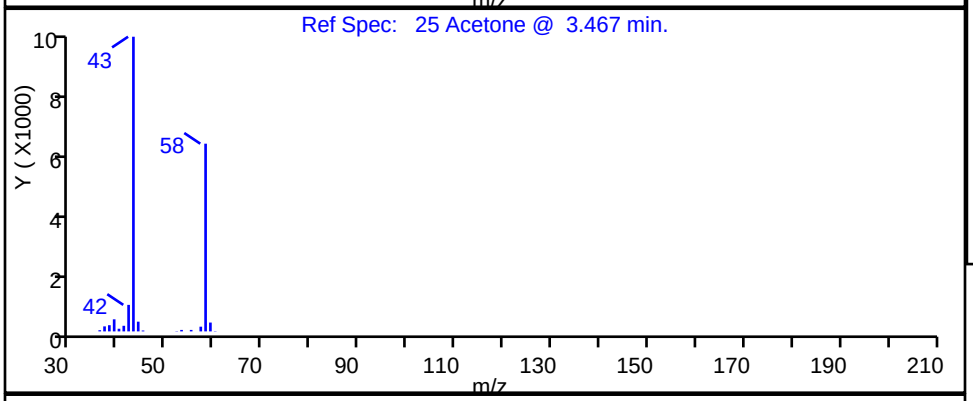
25 Acetone, CAS: 67-64-1

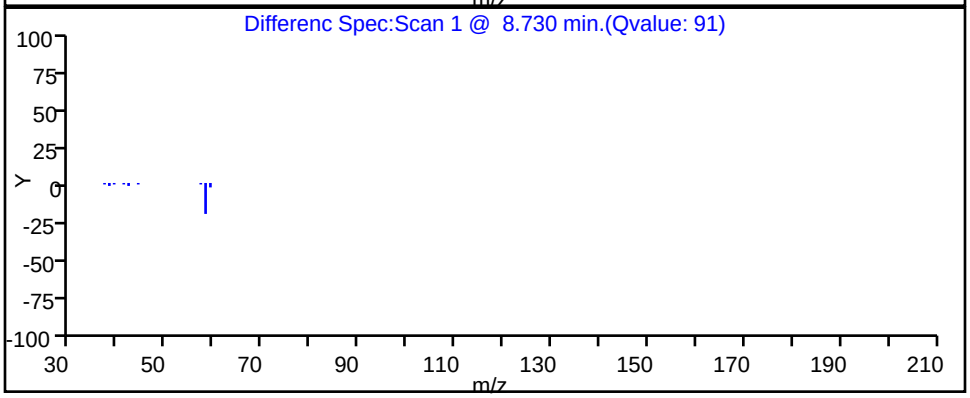












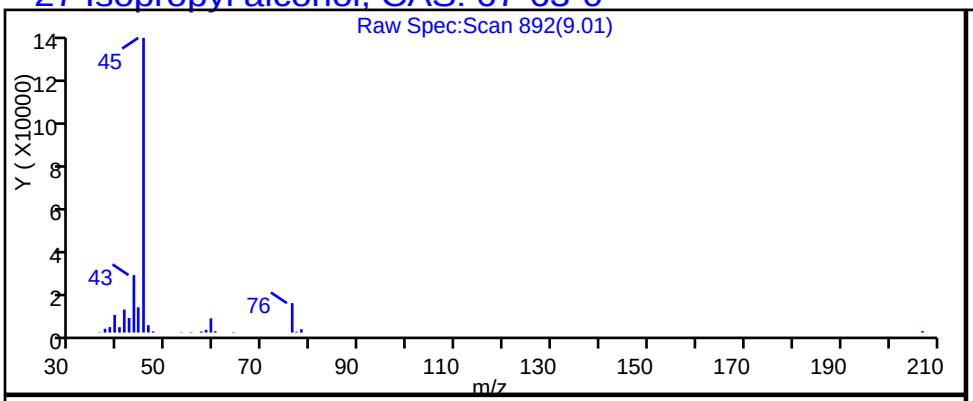
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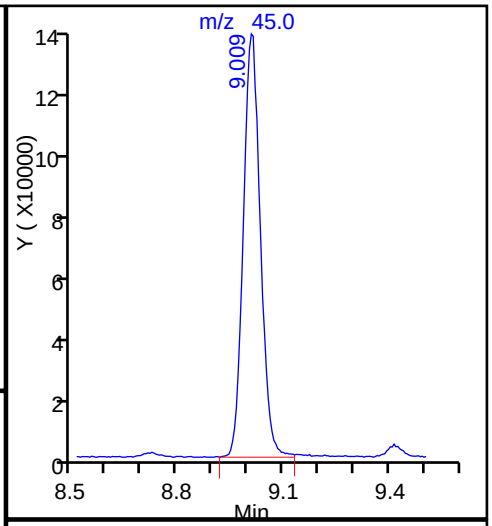
TestAmerica Burlington

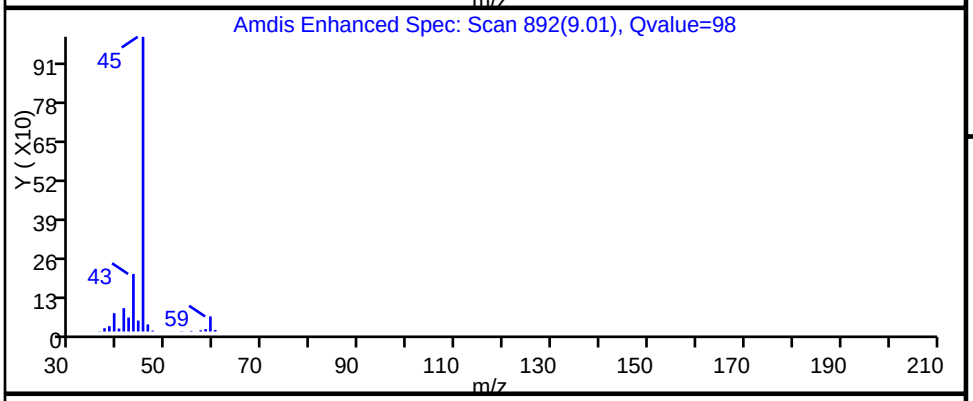
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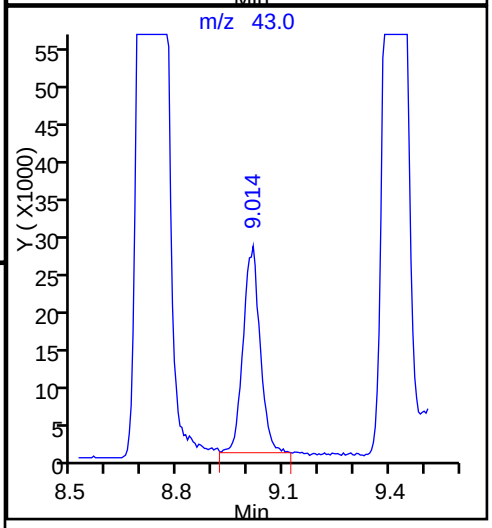
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Lims ID:	280-61460-A-1	Lab Sample ID:	200-61460-1		
Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

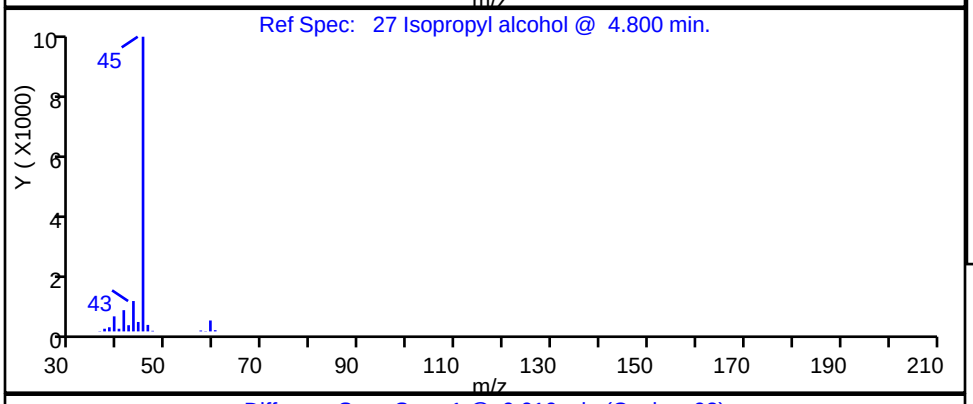
27 Isopropyl alcohol, CAS: 67-63-0

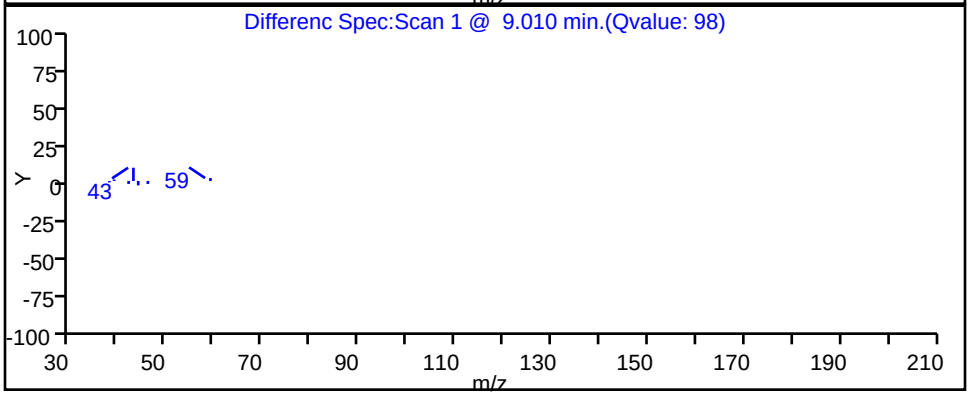








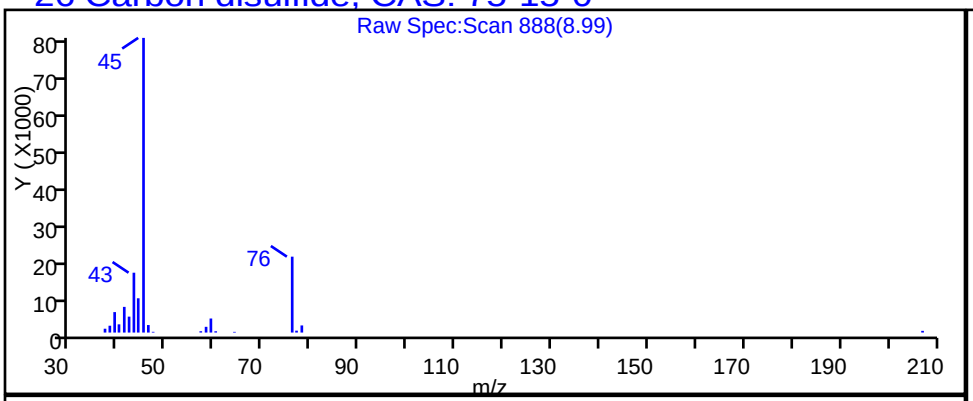


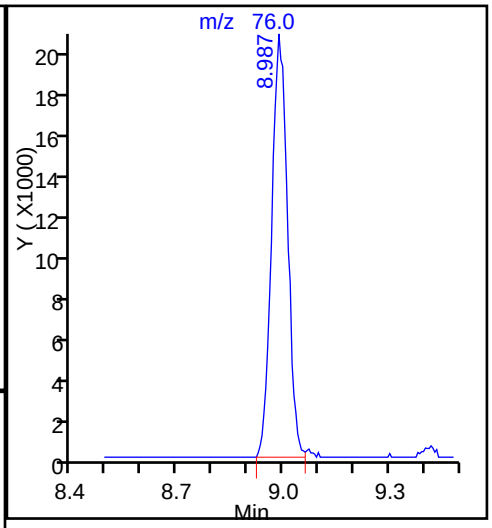


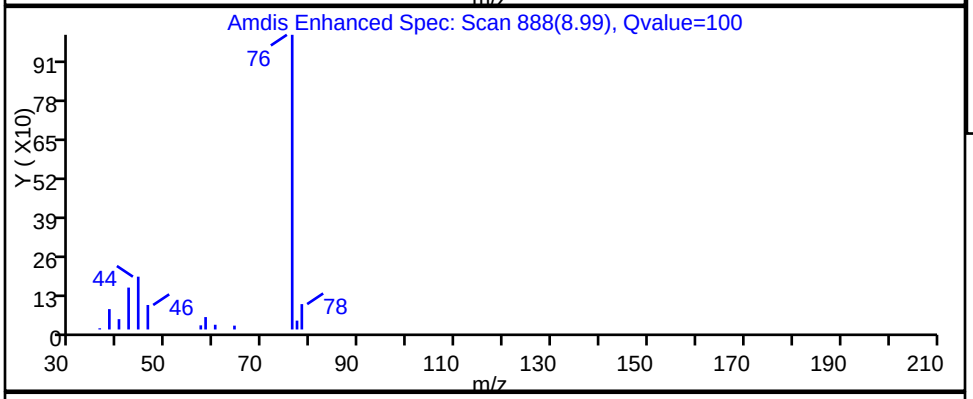
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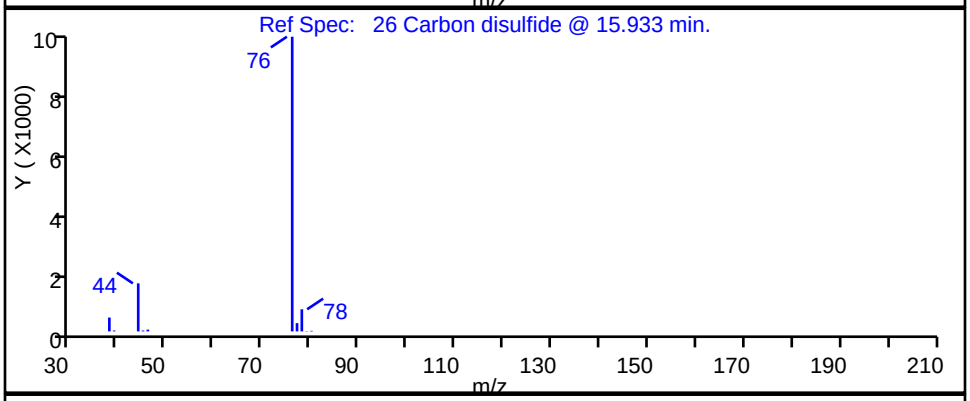
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Injection Date:	31-Oct-2014 15:35:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-1	Lab Sample ID:	200-61460-1		
Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

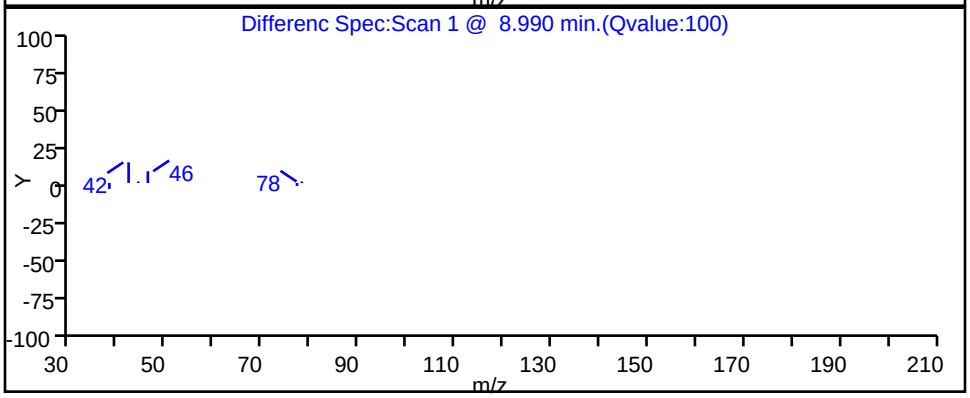
26 Carbon disulfide, CAS: 75-15-0











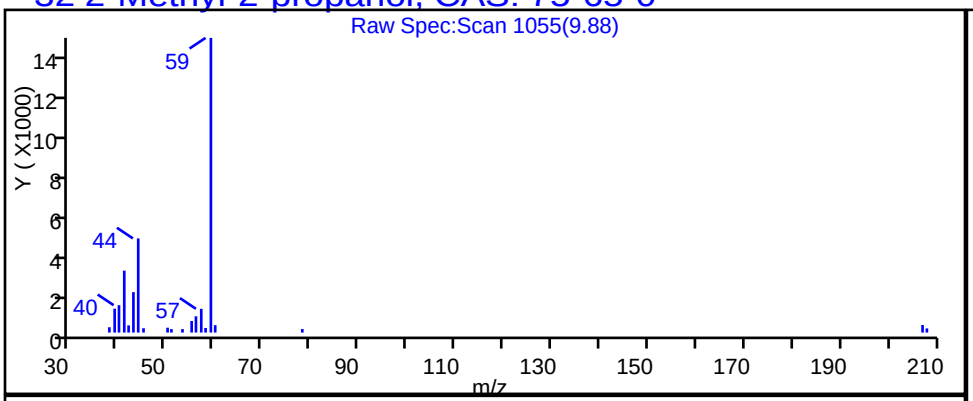
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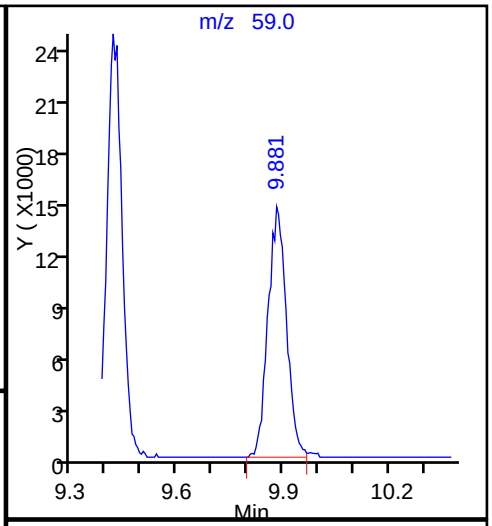
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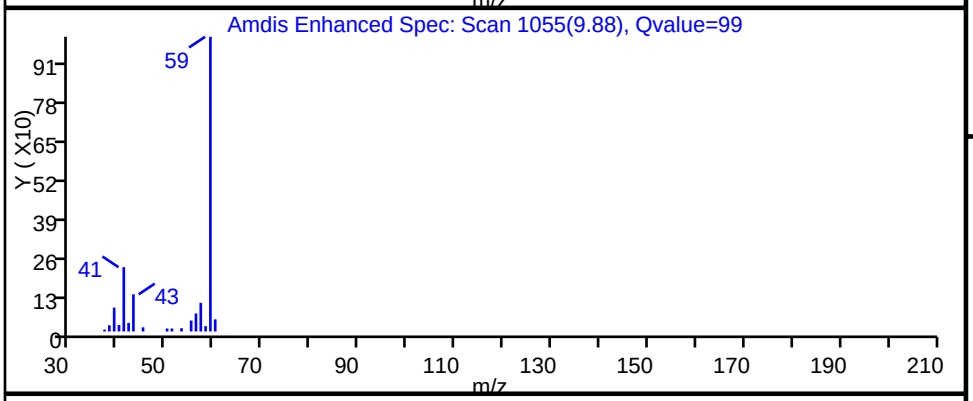
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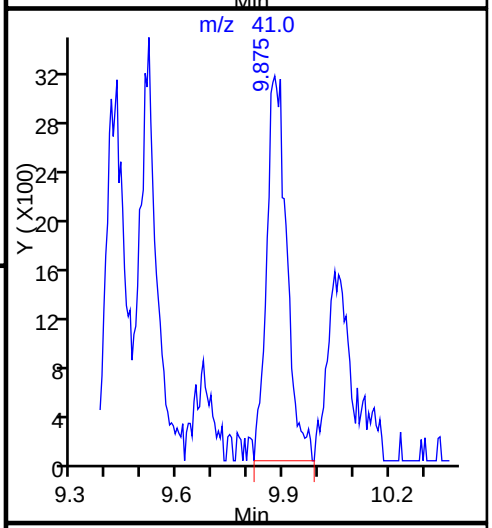
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Lims ID:	280-61460-A-1	Lab Sample ID:	200-61460-1		
Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

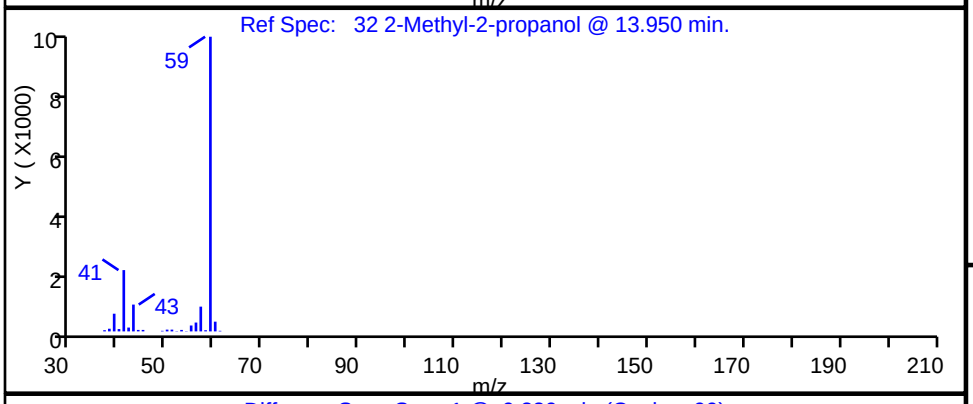
32 2-Methyl-2-propanol, CAS: 75-65-0

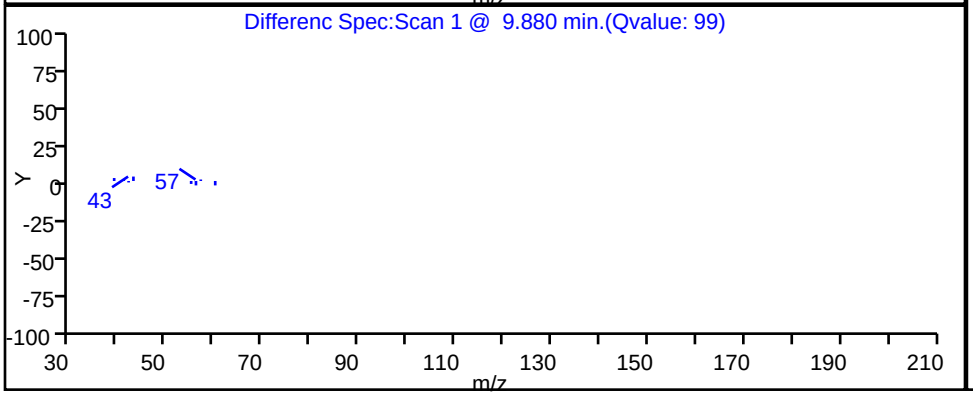


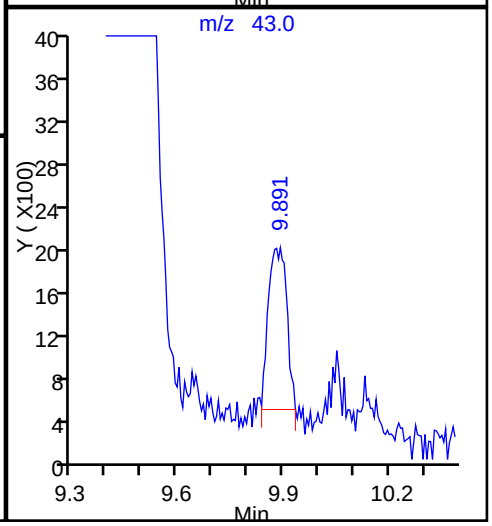










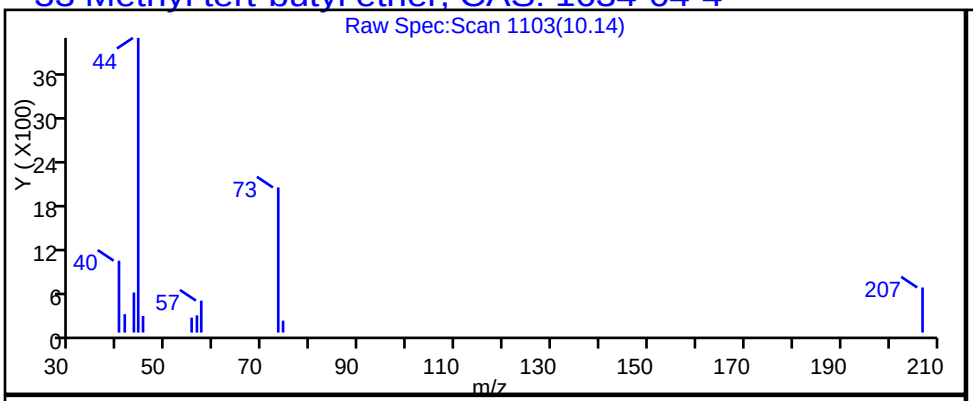


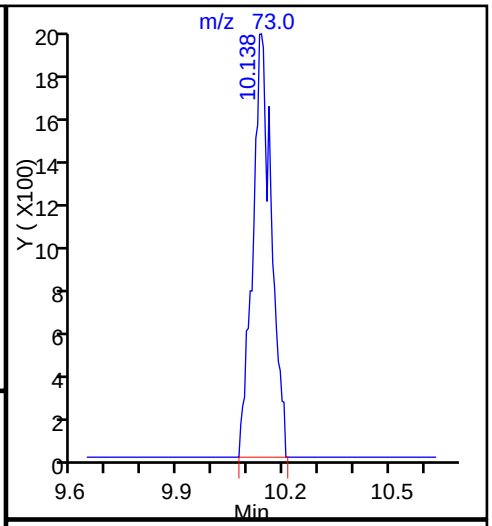
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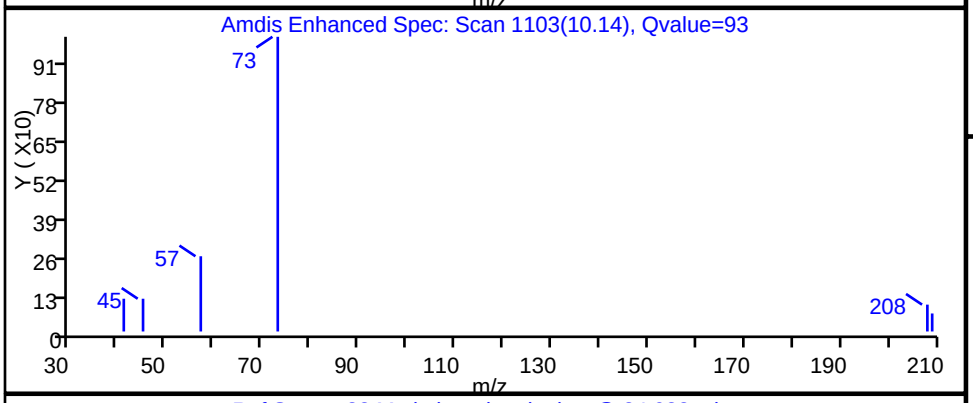
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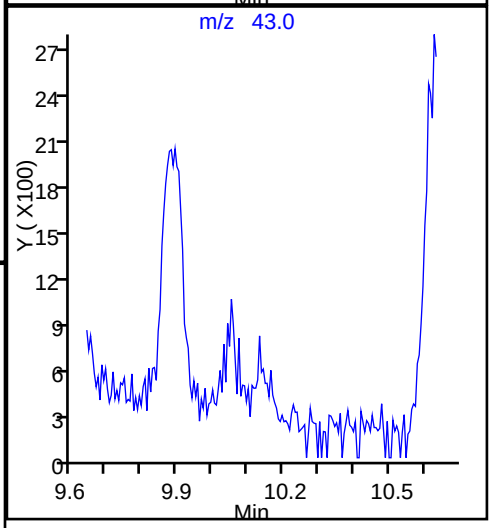
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Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

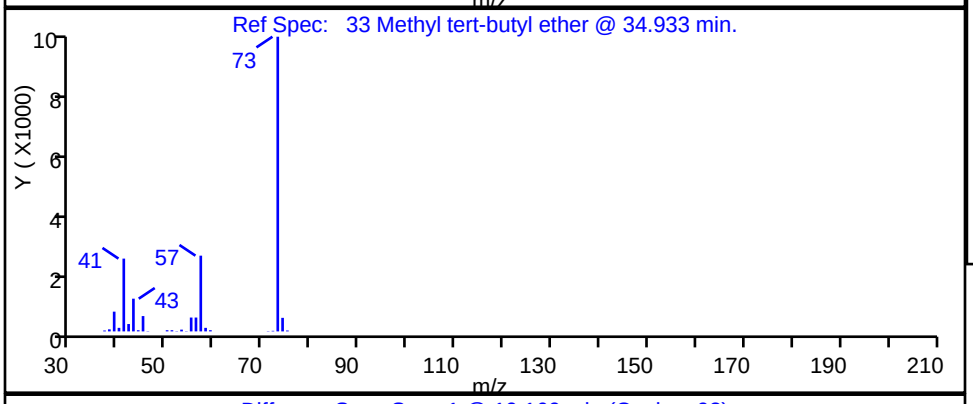
33 Methyl tert-butyl ether, CAS: 1634-04-4

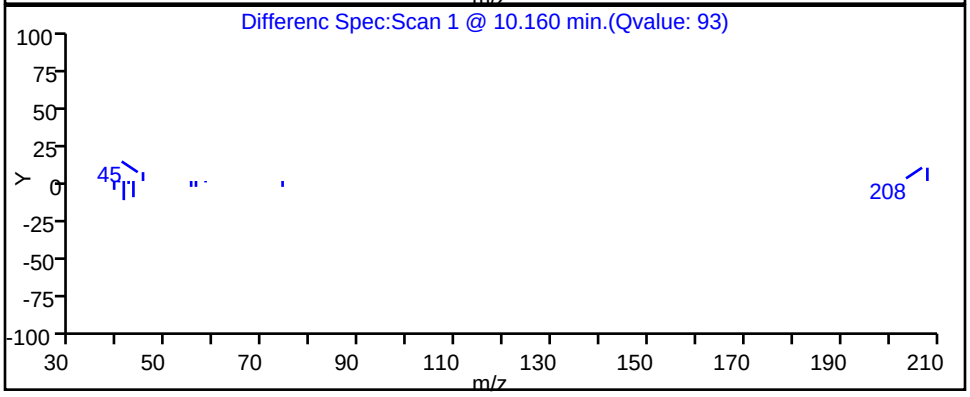












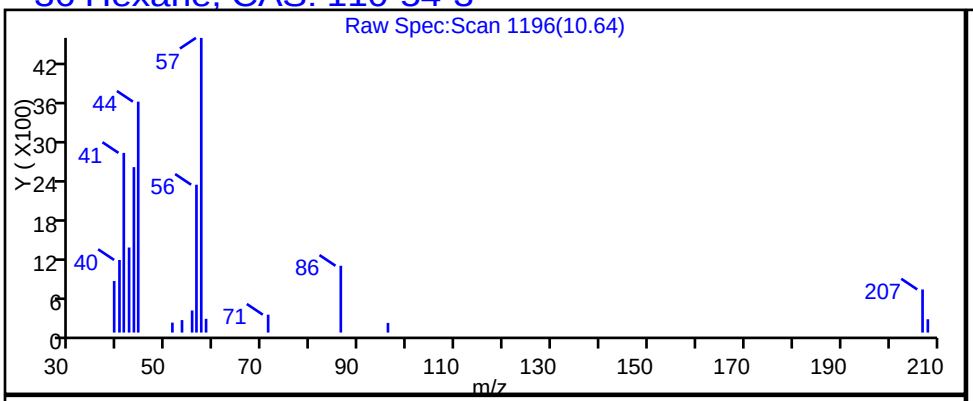
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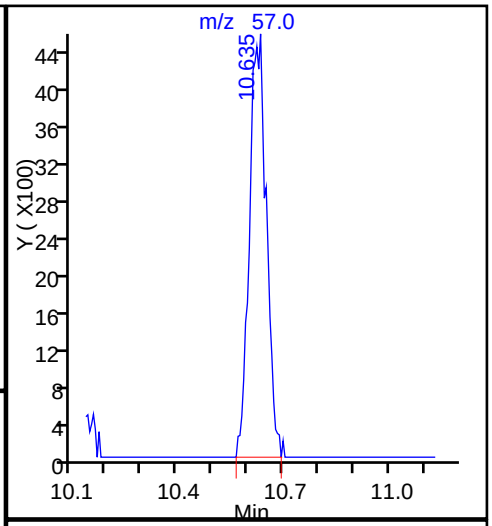
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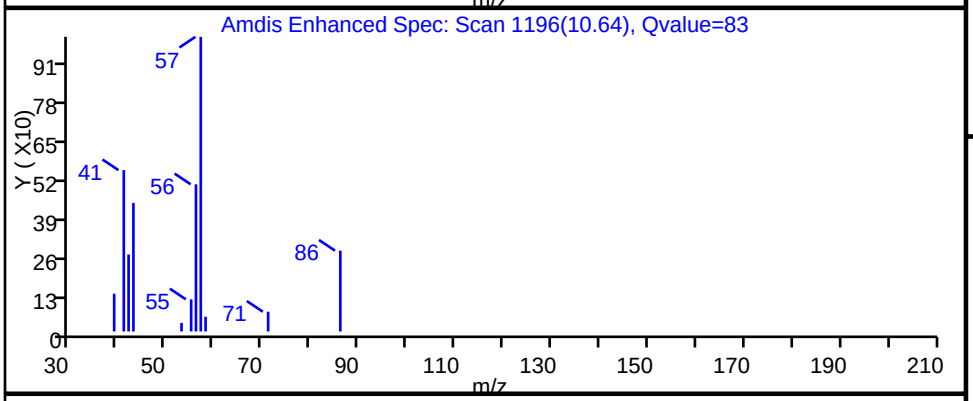
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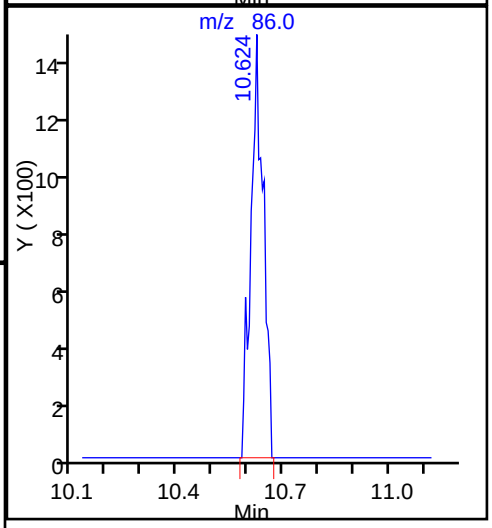
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Lims ID:	280-61460-A-1	Lab Sample ID:	200-61460-1		
Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

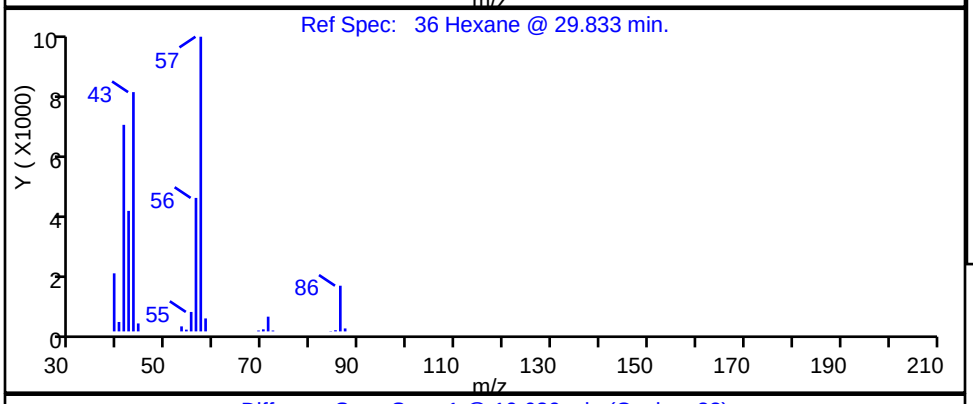
36 Hexane, CAS: 110-54-3

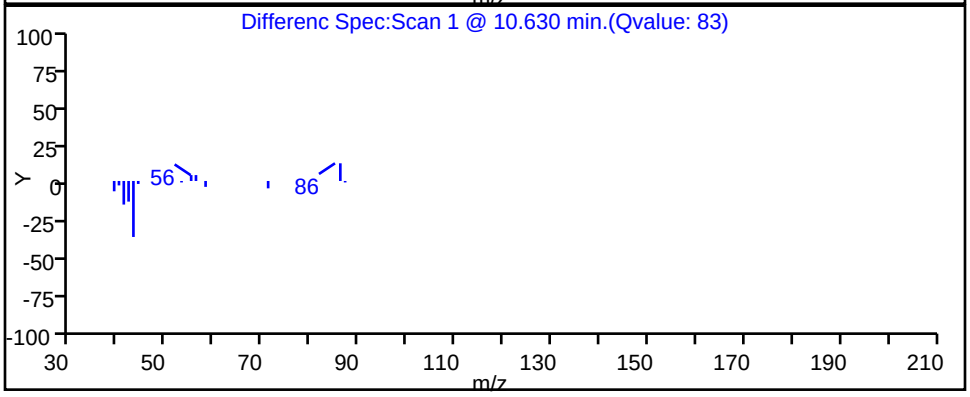








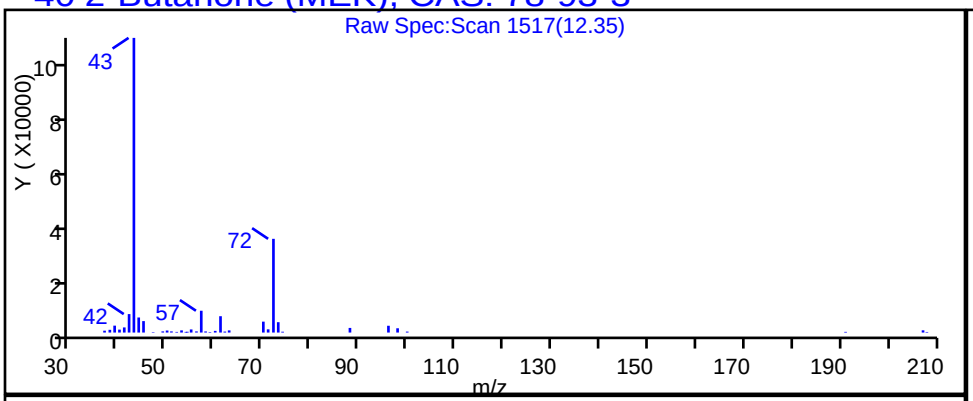


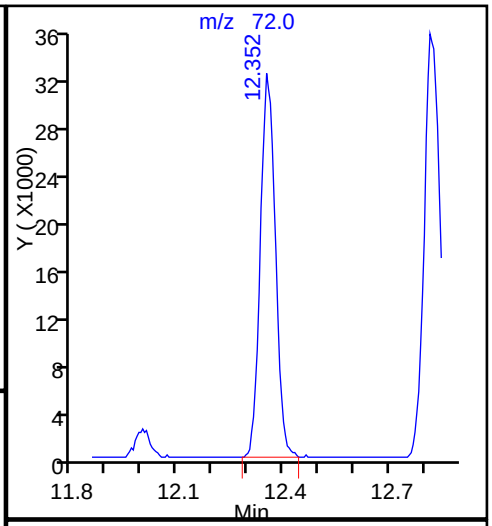


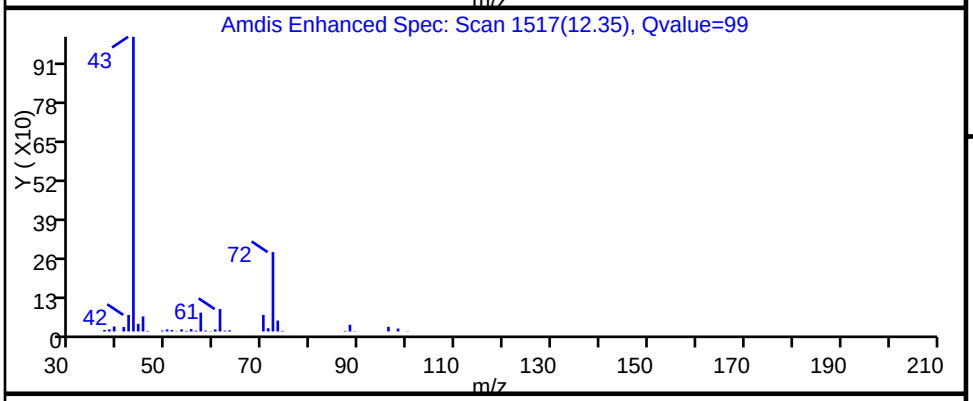
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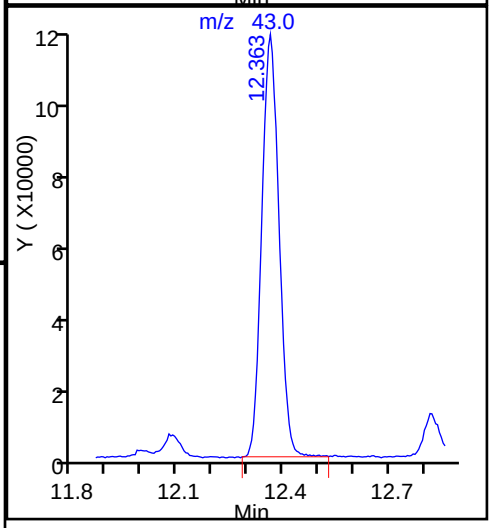
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Lims ID:	280-61460-A-1	Lab Sample ID:	200-61460-1		
Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

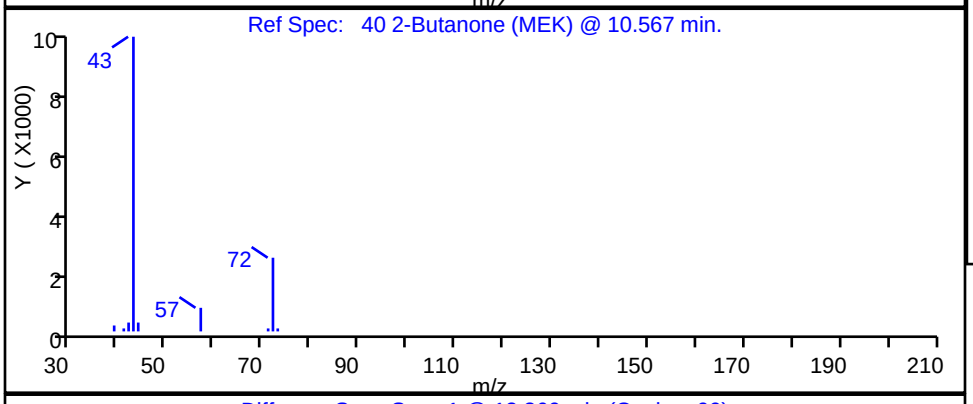
40 2-Butanone (MEK), CAS: 78-93-3

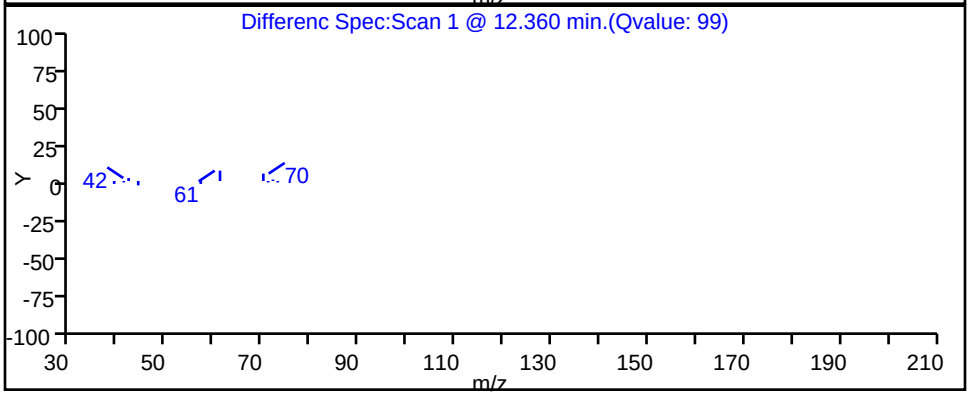












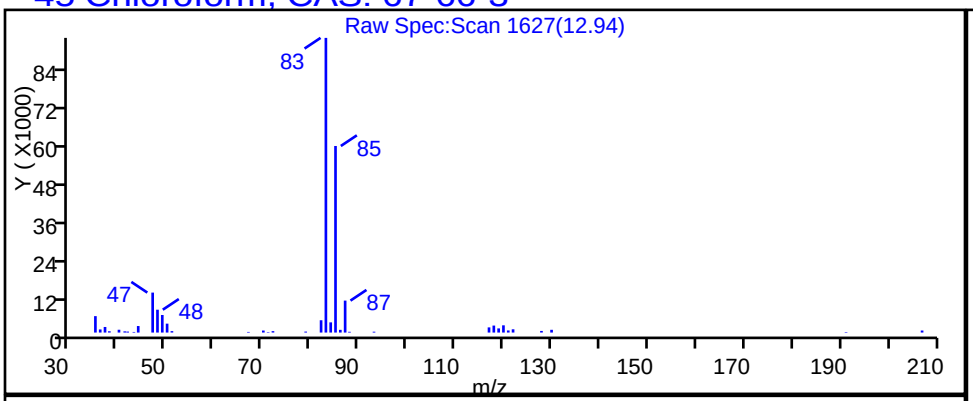
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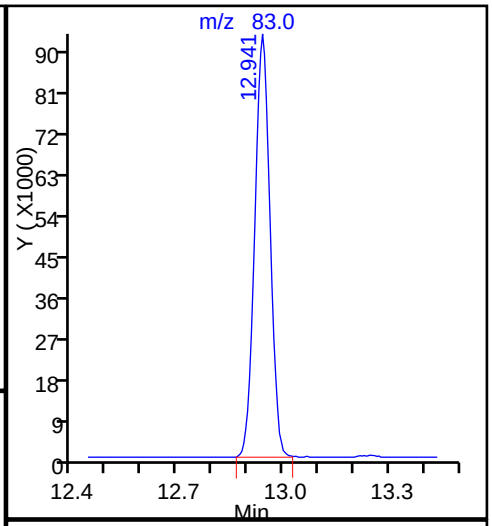
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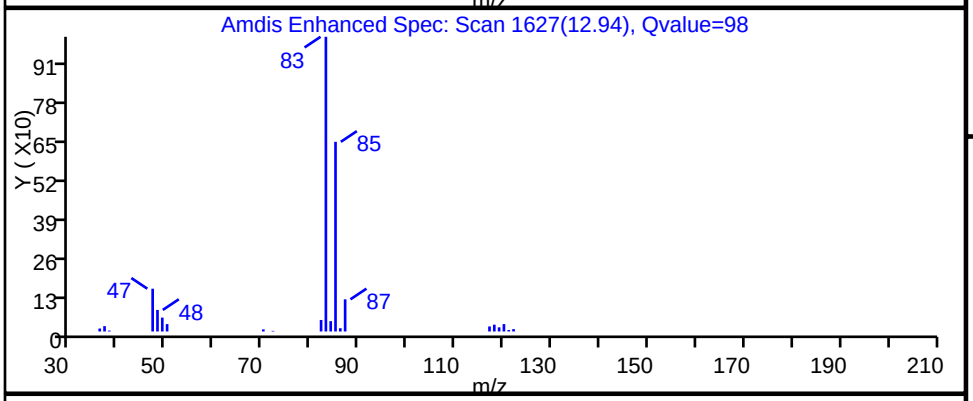
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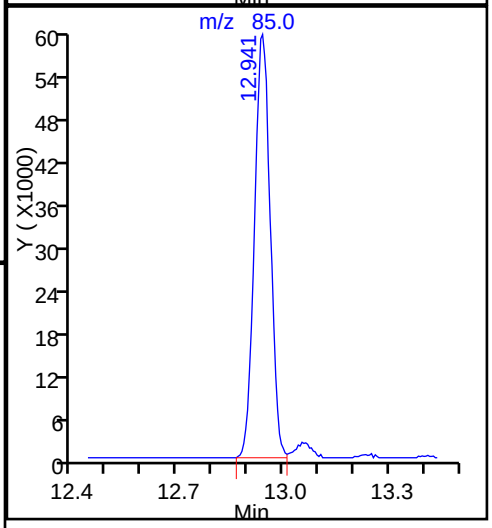
Injection Date:	31-Oct-2014 15:35:30	Instrument ID:	CHW.i
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Client ID:	101VMP0101EA		
Operator ID:	BPL	ALS Bottle#:	8 Worklist Smp#: 9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

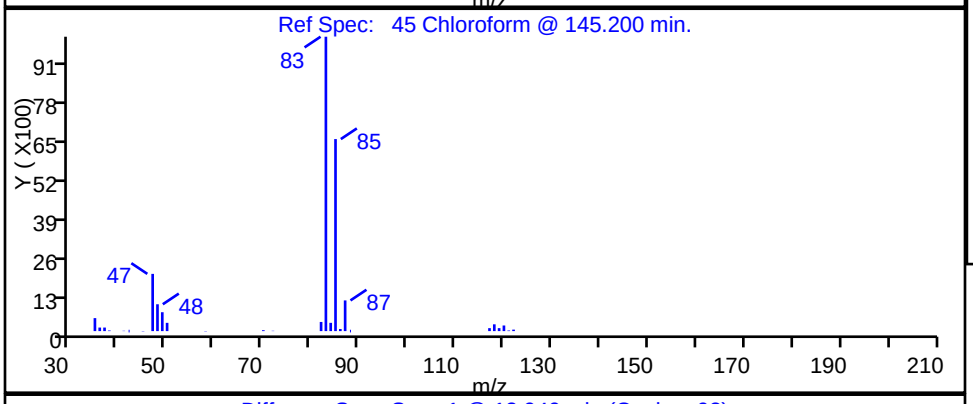
45 Chloroform, CAS: 67-66-3

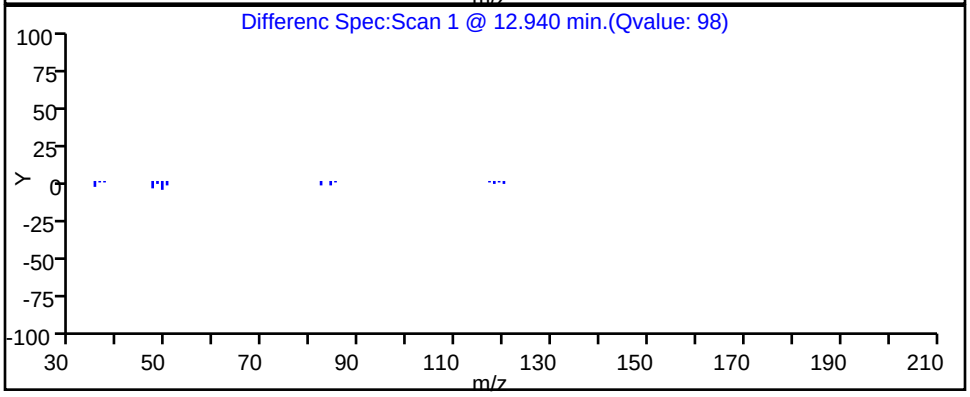








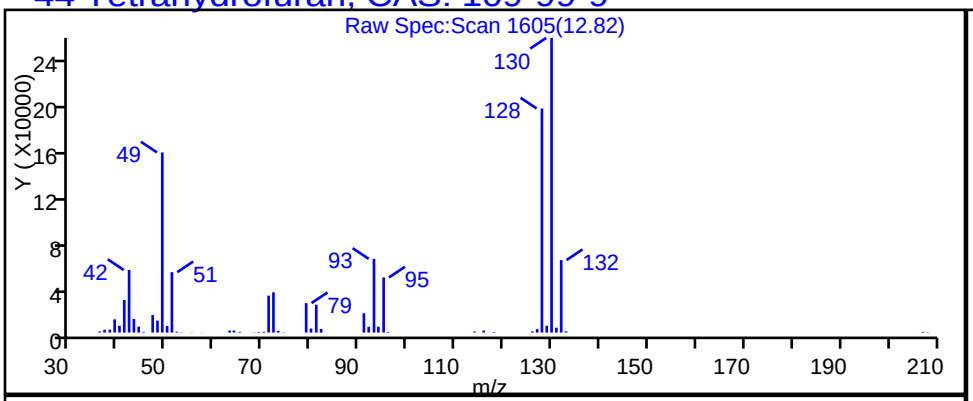


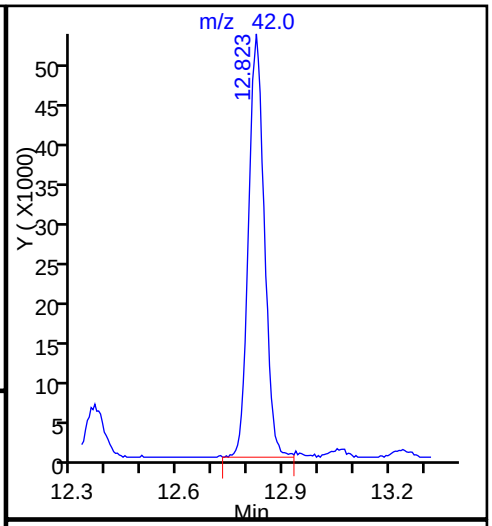


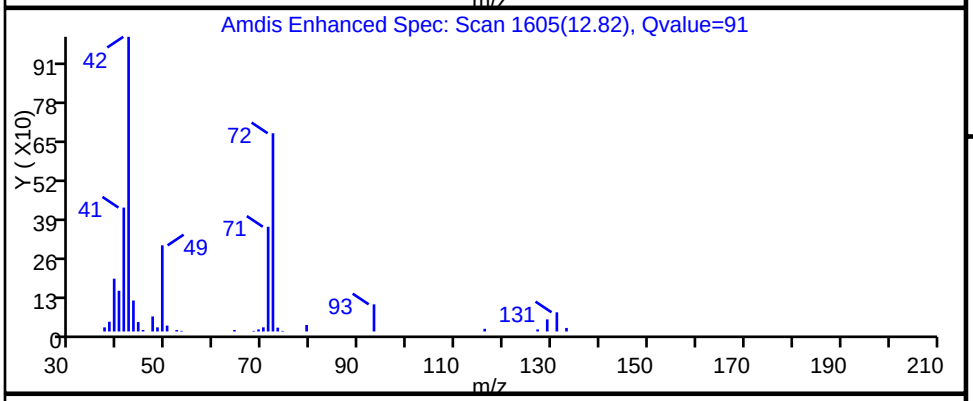
TestAmerica Burlington

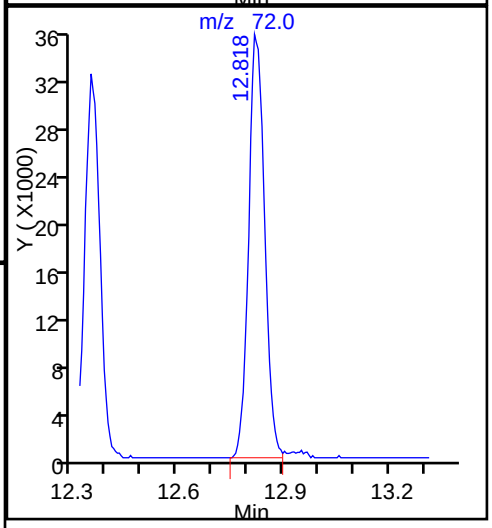
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Injection Date:	31-Oct-2014 15:35:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-1	Lab Sample ID:	200-61460-1		
Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

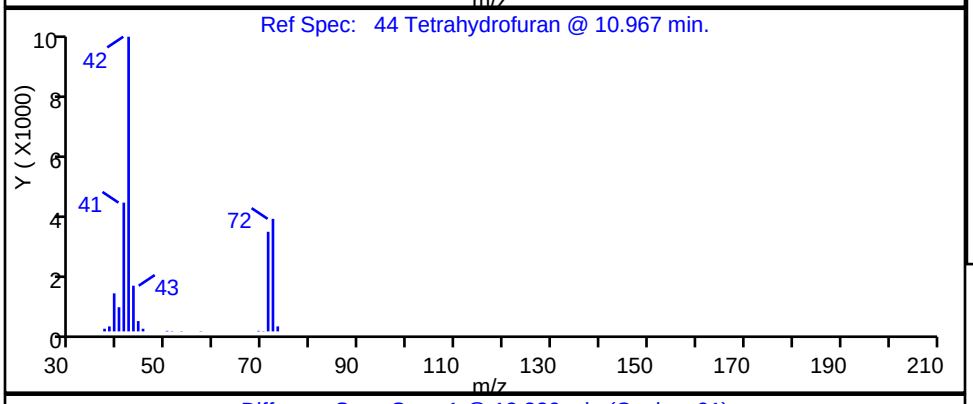
44 Tetrahydrofuran, CAS: 109-99-9

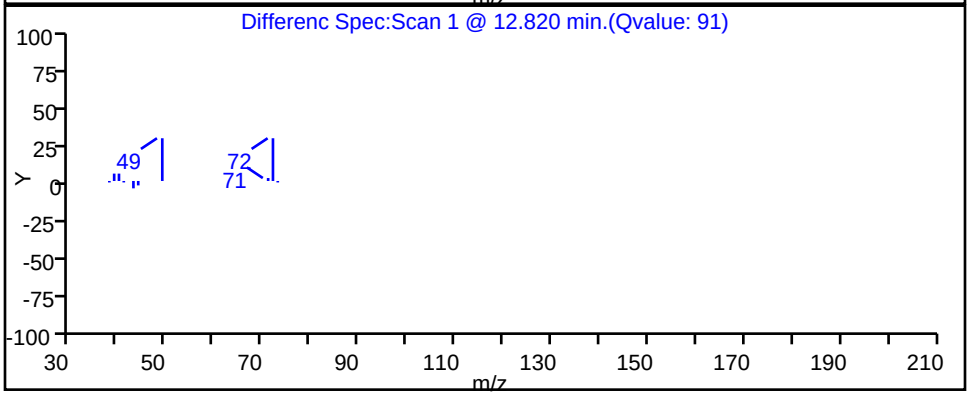












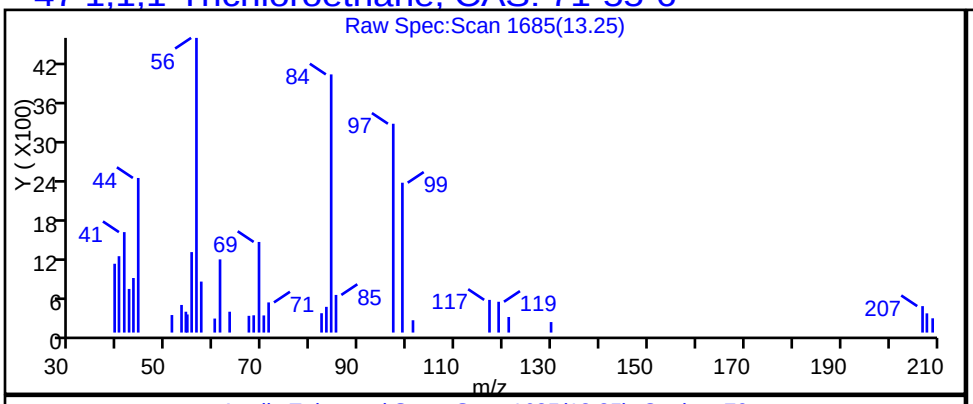
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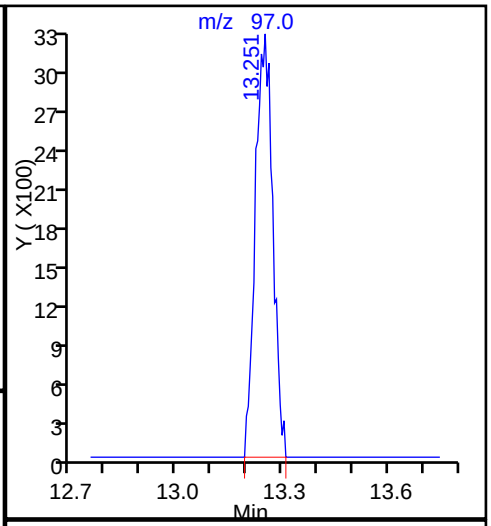
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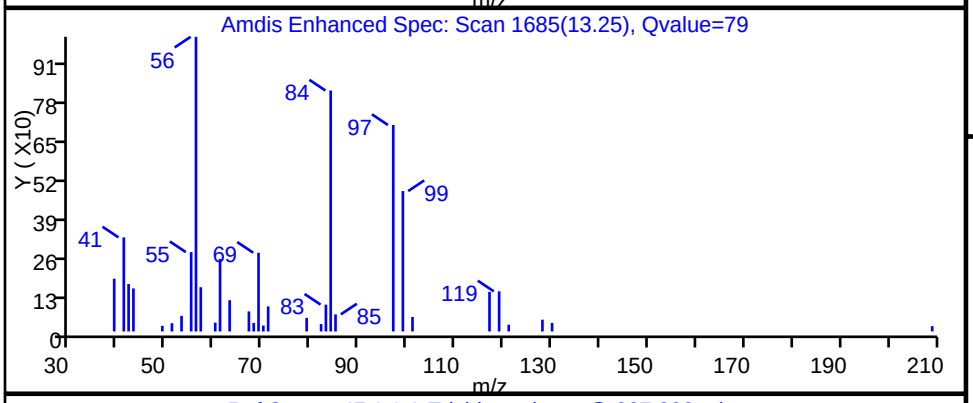
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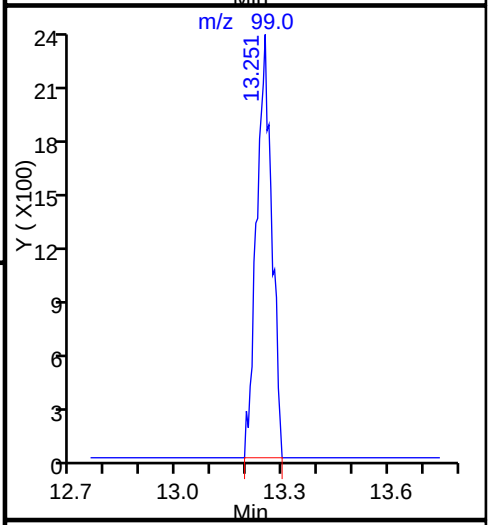
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Lims ID:	280-61460-A-1	Lab Sample ID:	200-61460-1		
Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

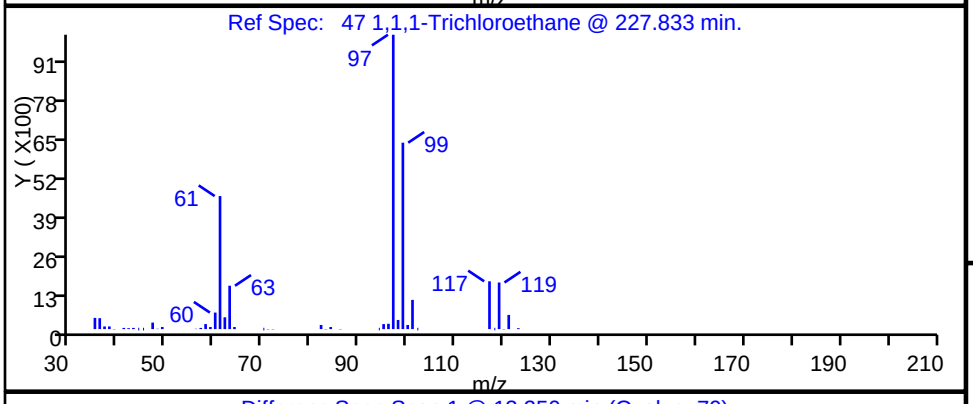
47 1,1,1-Trichloroethane, CAS: 71-55-6

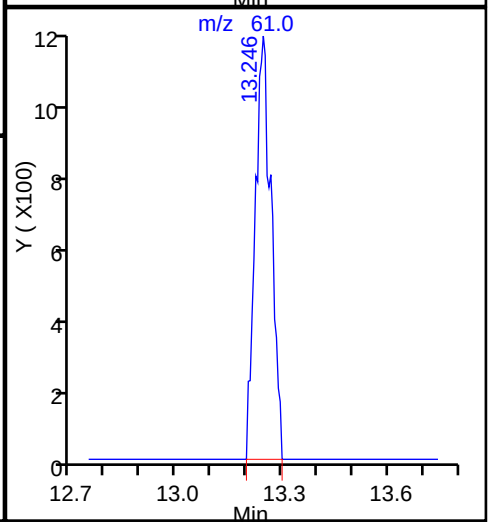


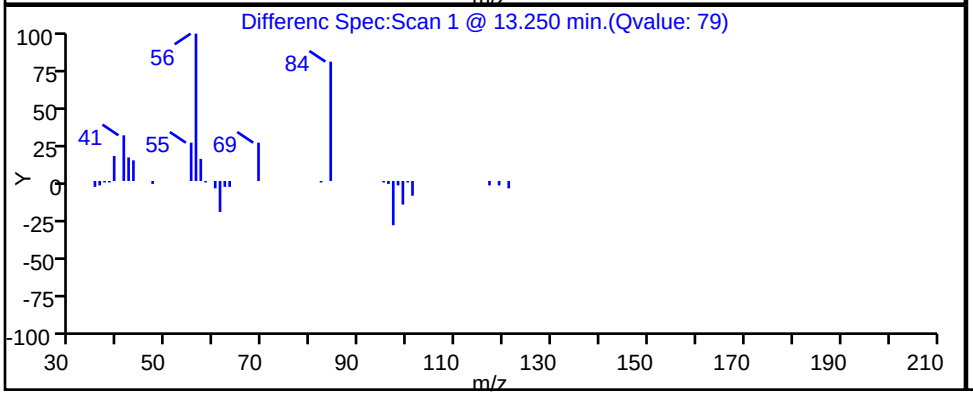








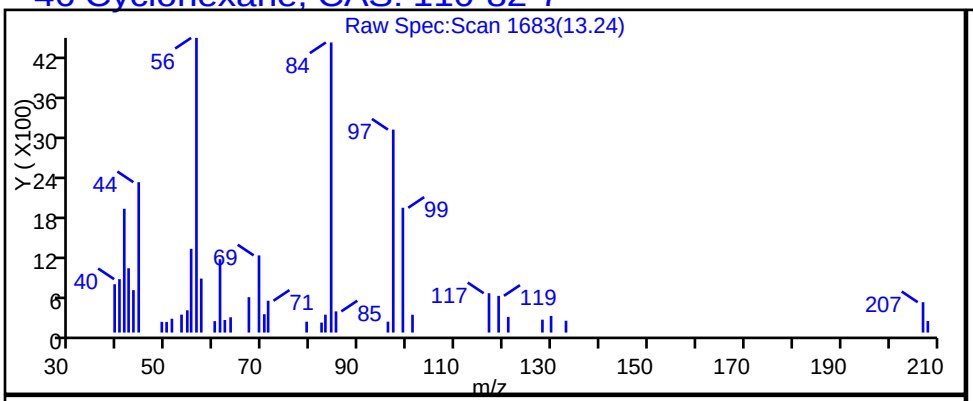


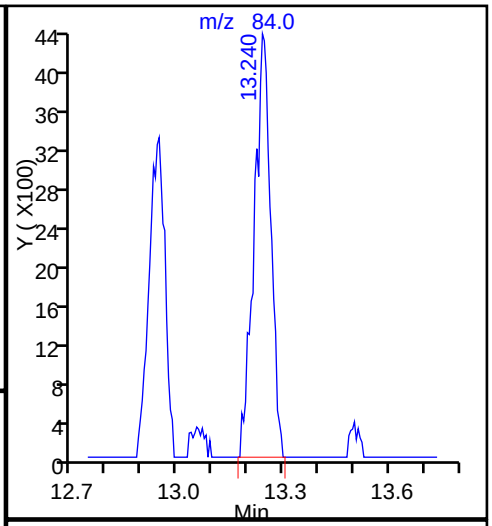


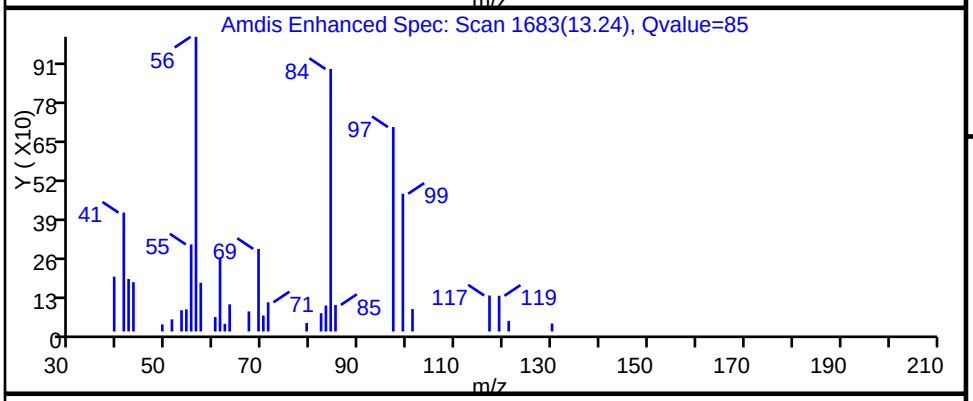
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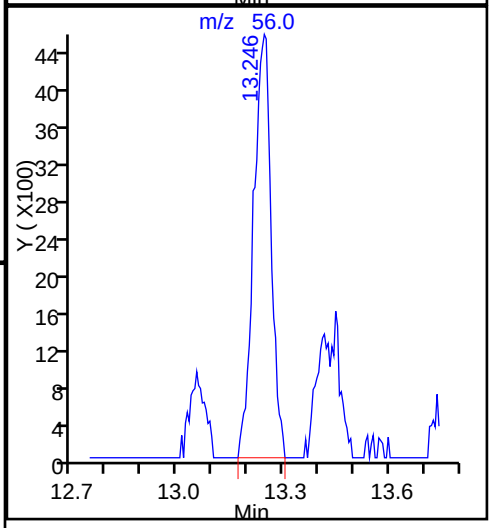
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Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

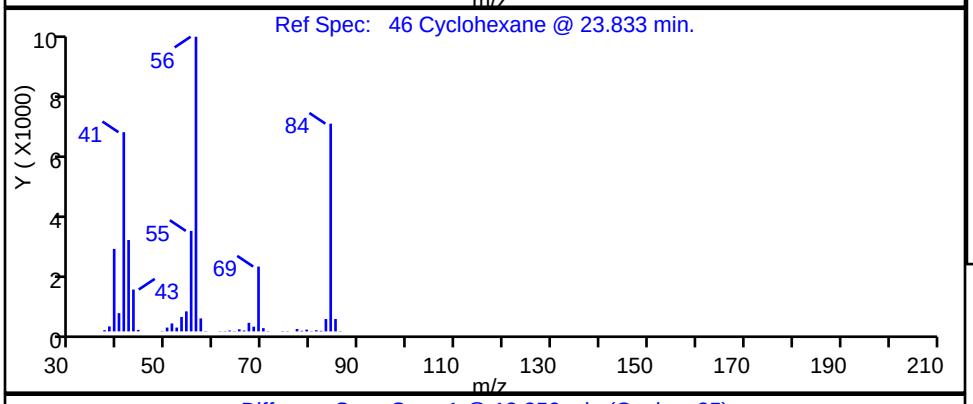
46 Cyclohexane, CAS: 110-82-7

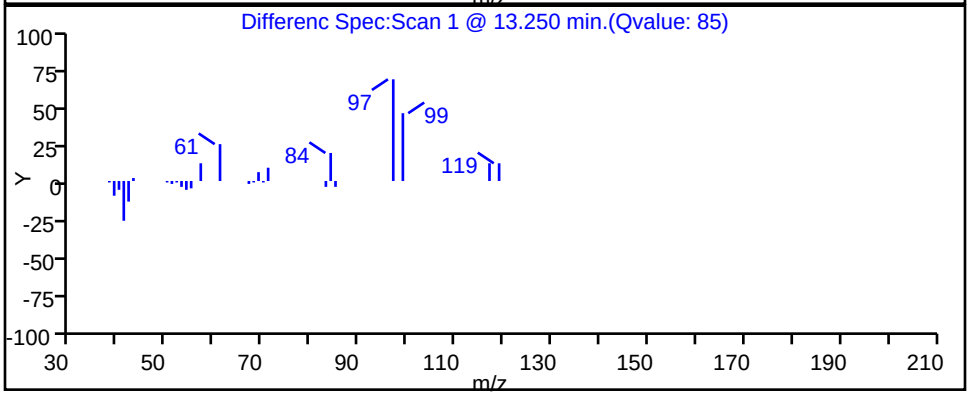












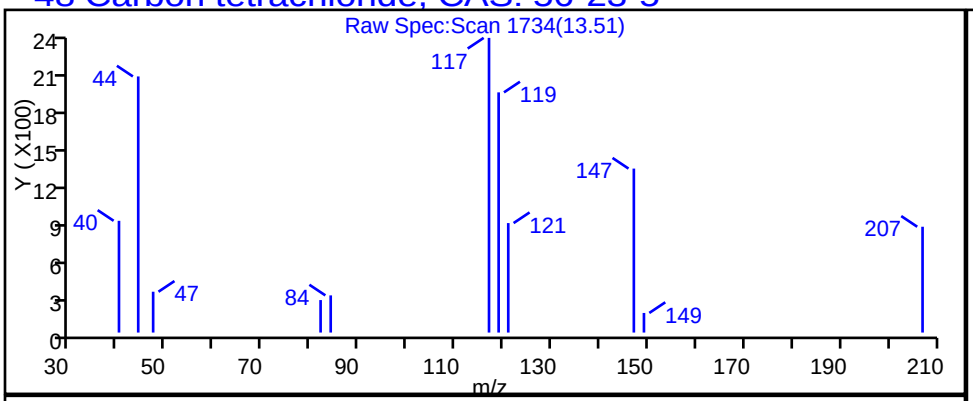
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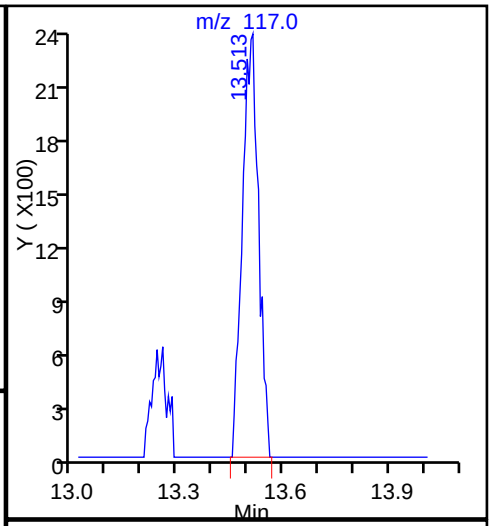
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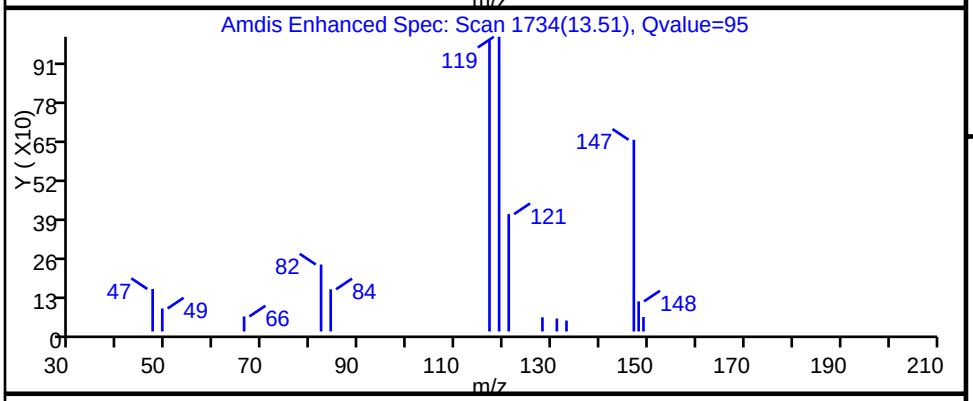
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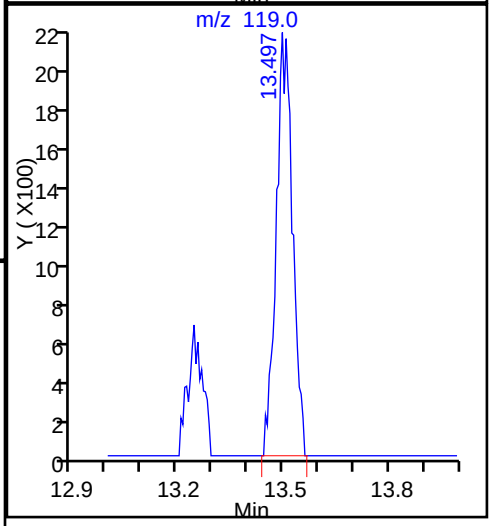
Injection Date:	31-Oct-2014 15:35:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-1	Lab Sample ID:	200-61460-1		
Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

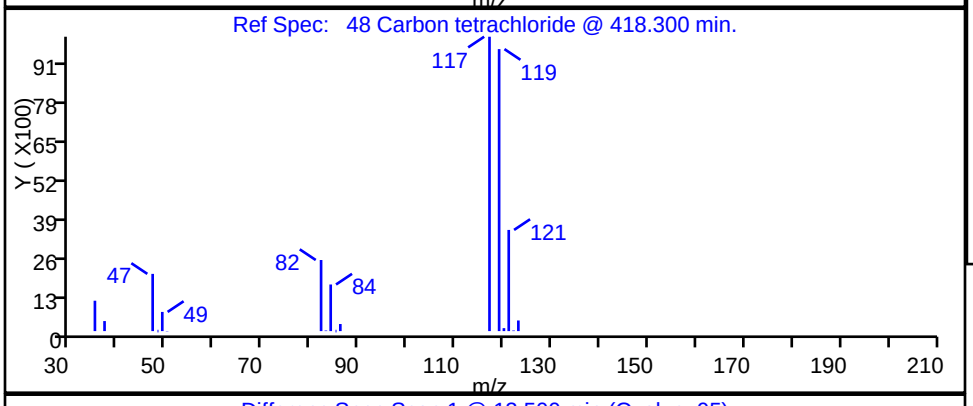
48 Carbon tetrachloride, CAS: 56-23-5

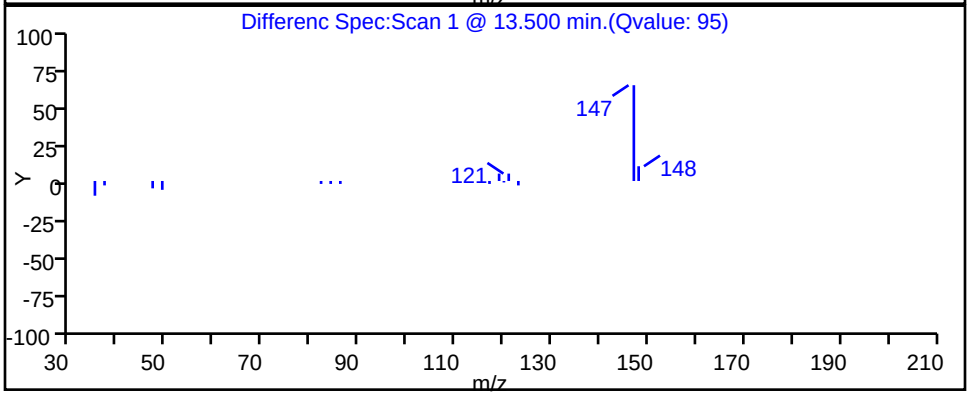












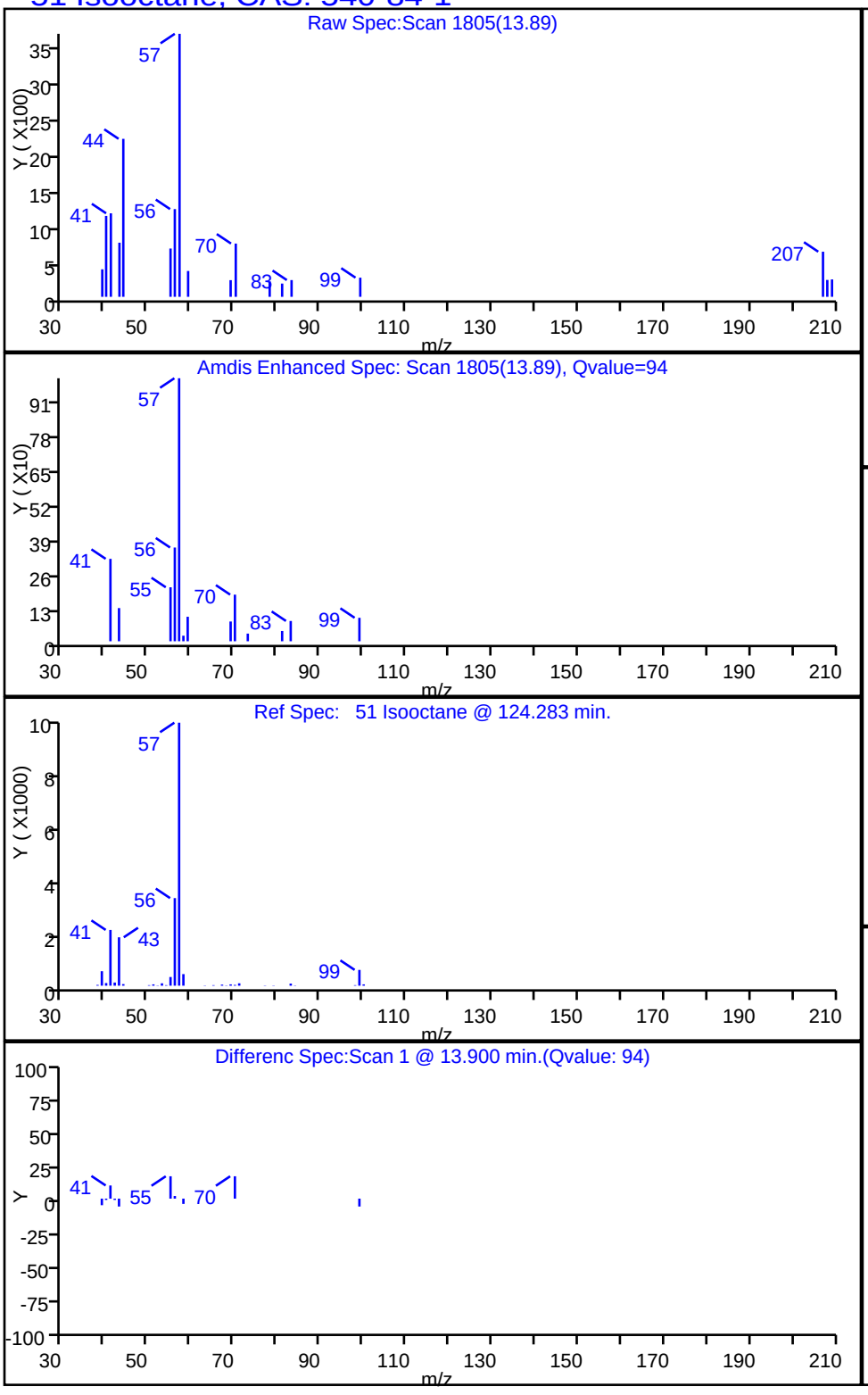
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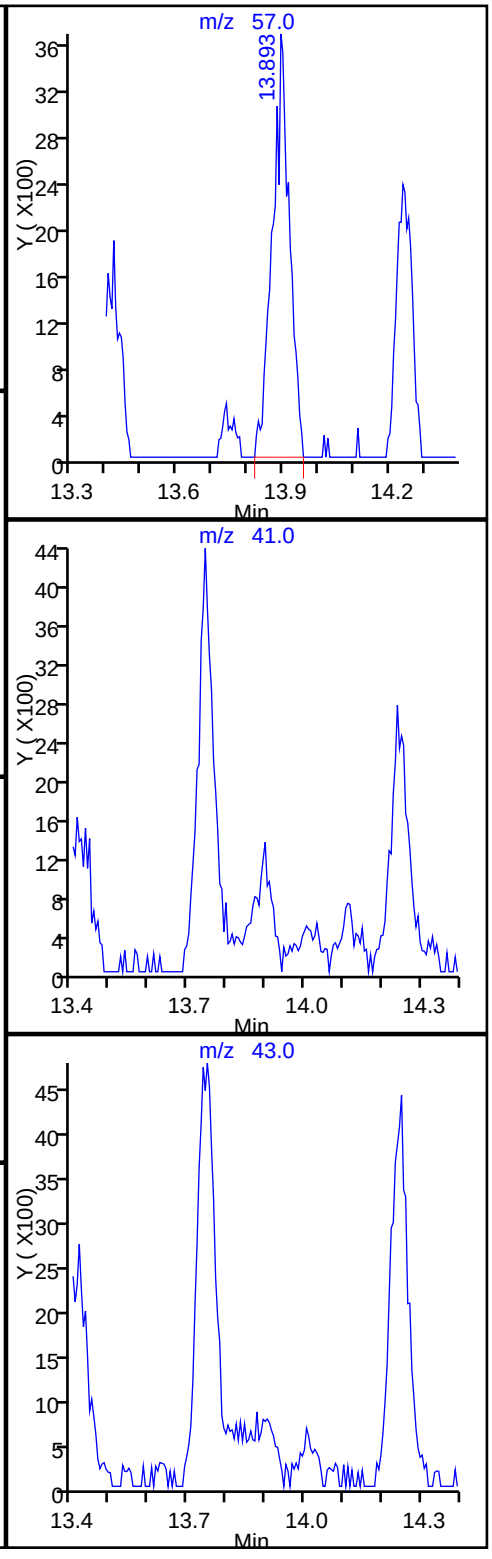
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Injection Date:	31-Oct-2014 15:35:30	Instrument ID:	CHW.i		
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Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

51 Isooctane, CAS: 540-84-1





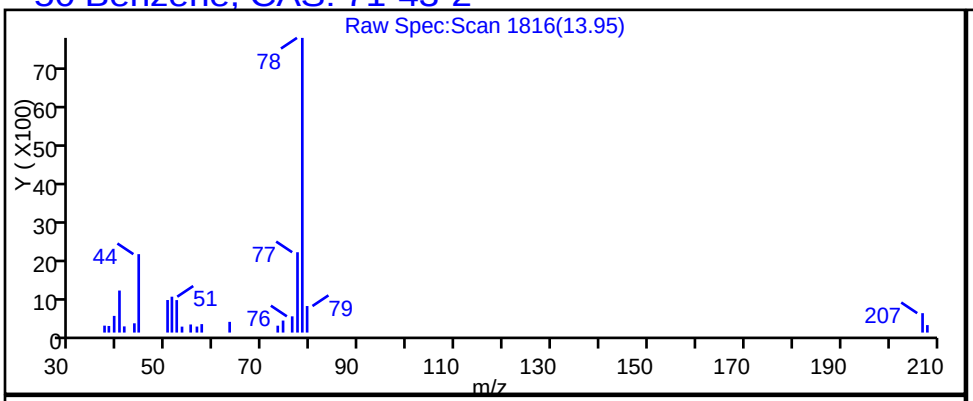
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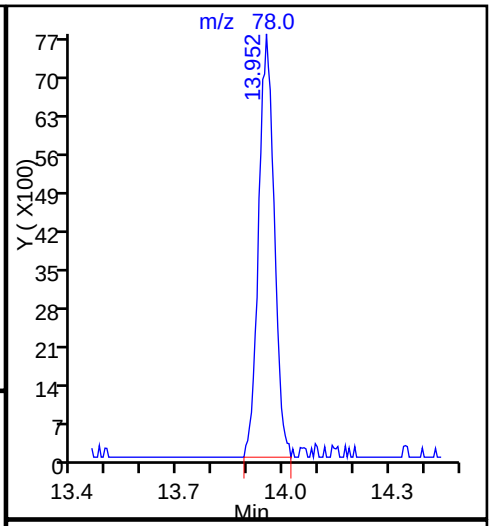
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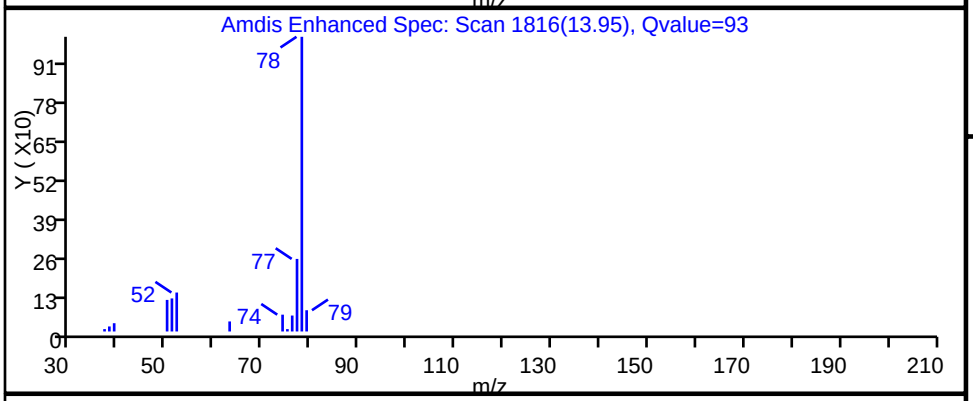
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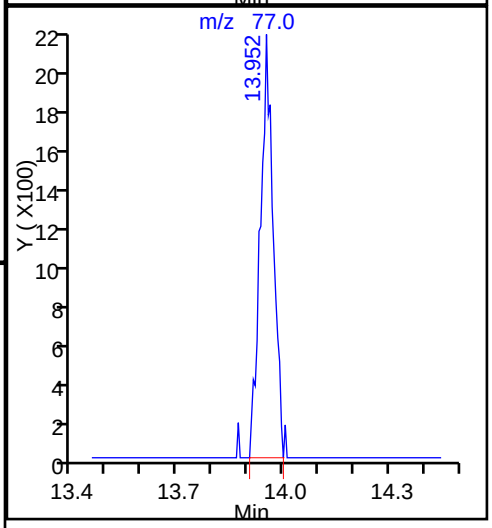
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Lims ID:	280-61460-A-1	Lab Sample ID:	200-61460-1		
Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

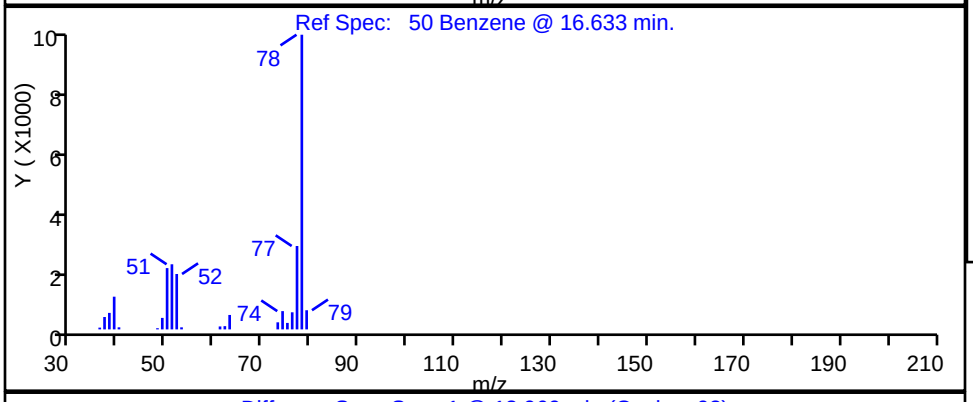
50 Benzene, CAS: 71-43-2

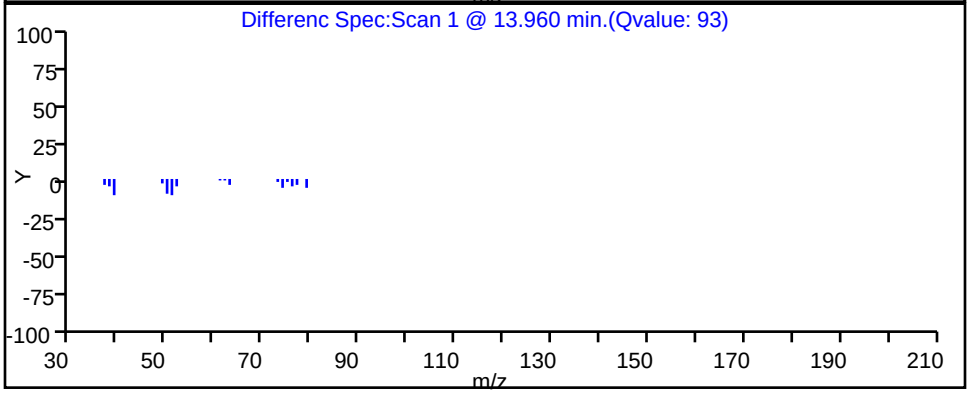












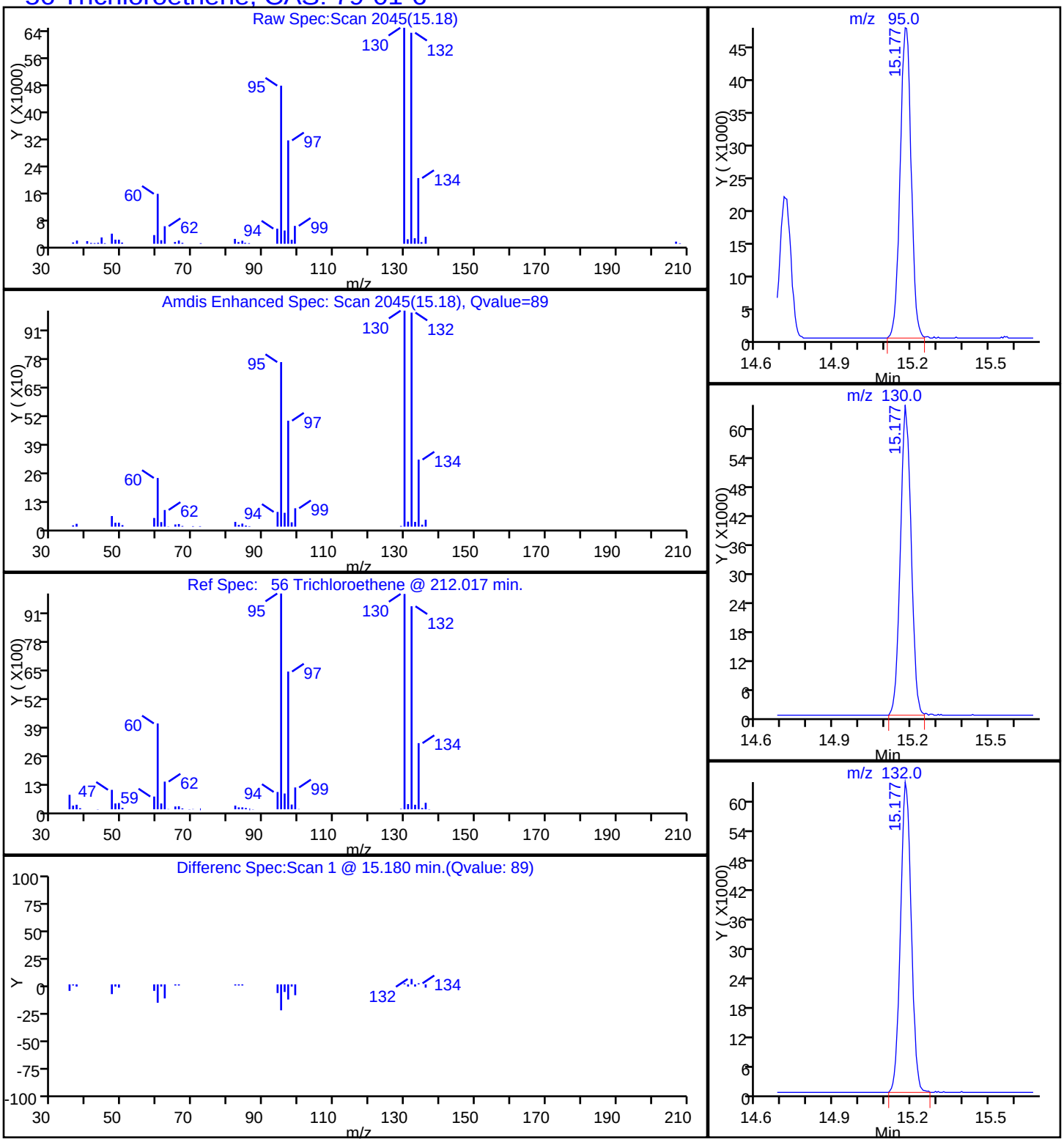
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Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



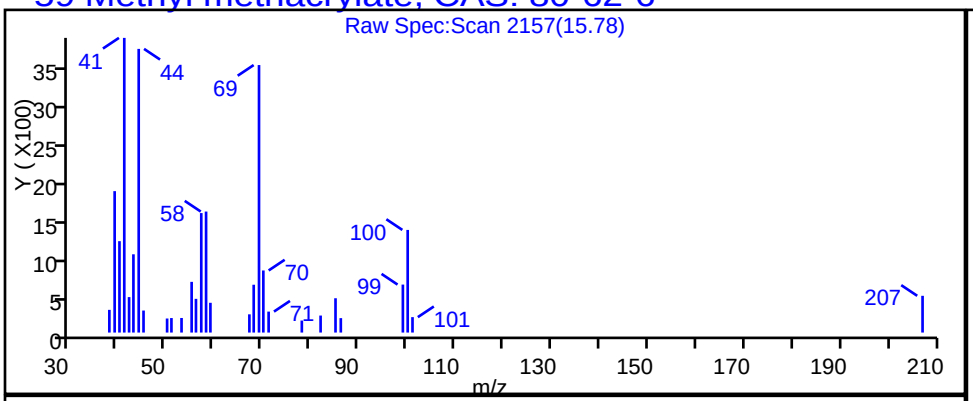
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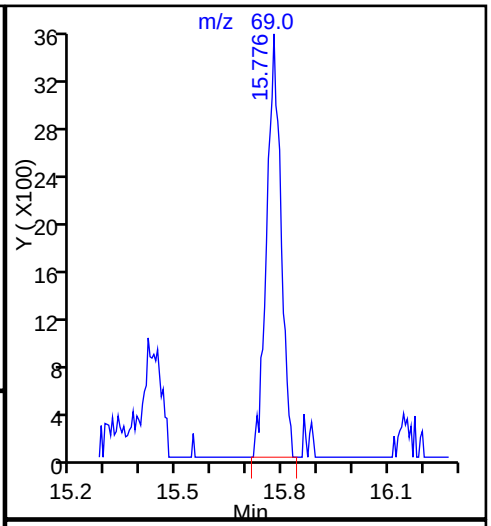
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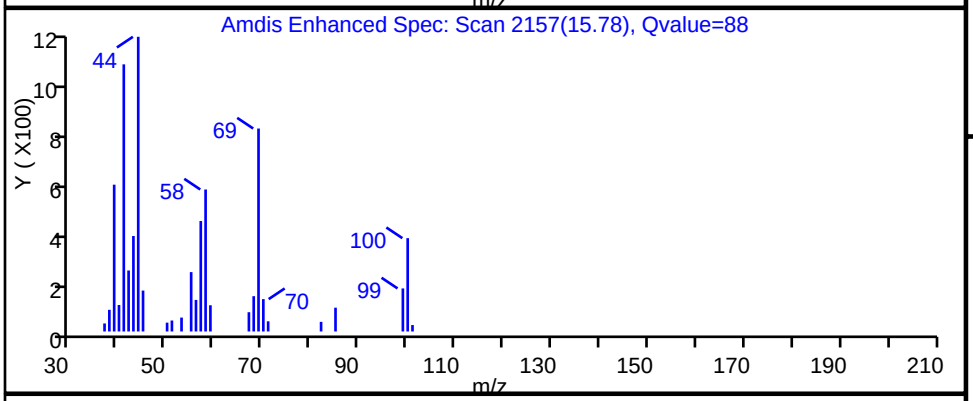
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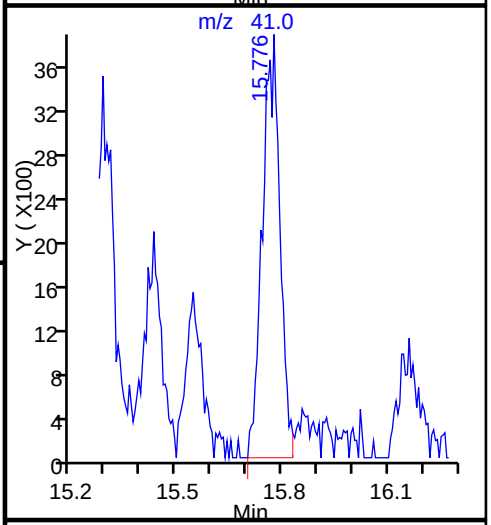
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Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

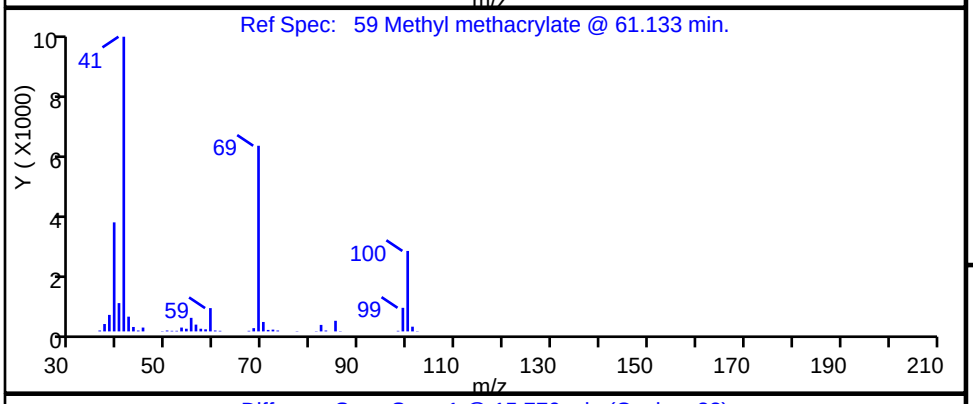
59 Methyl methacrylate, CAS: 80-62-6

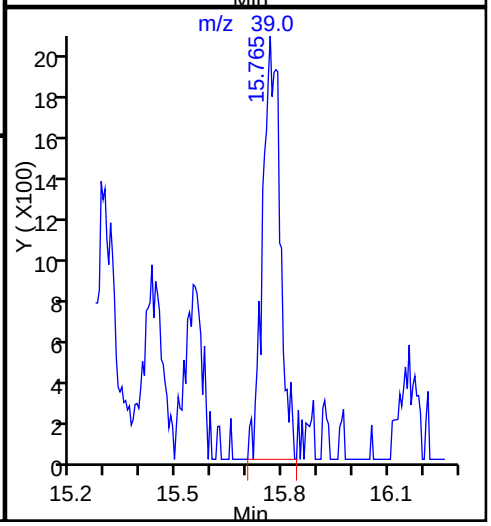


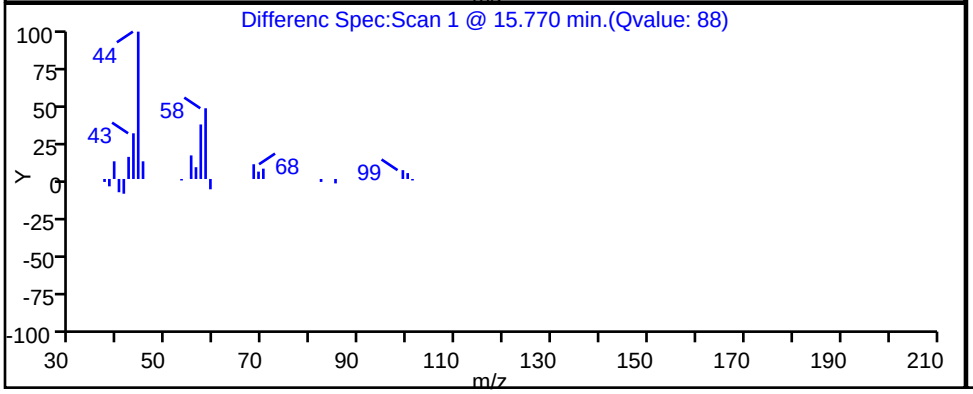












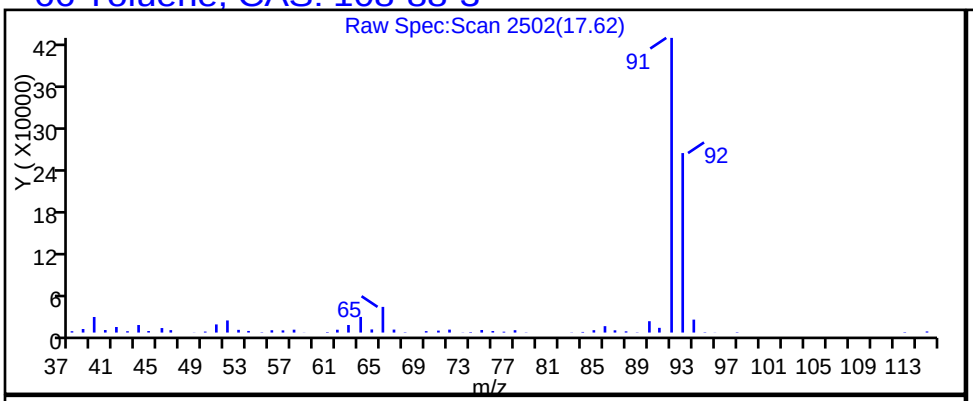
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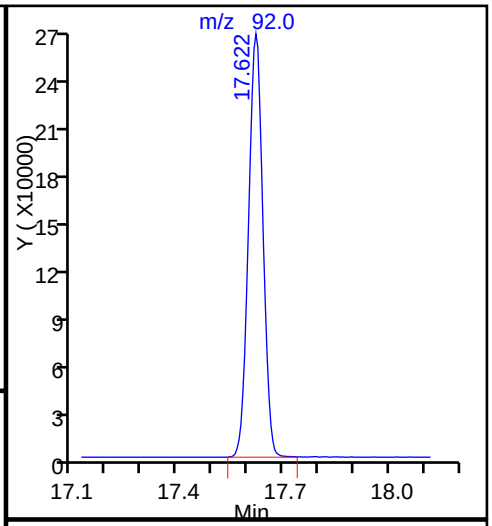
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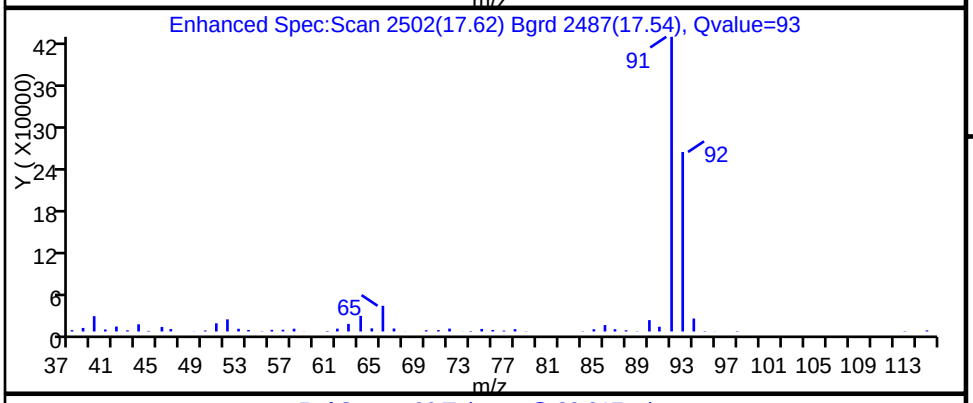
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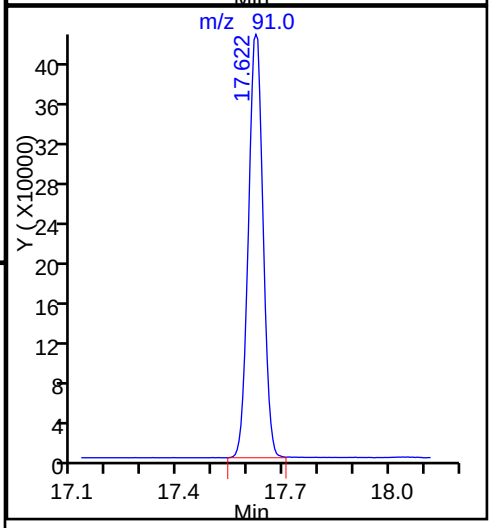
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Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

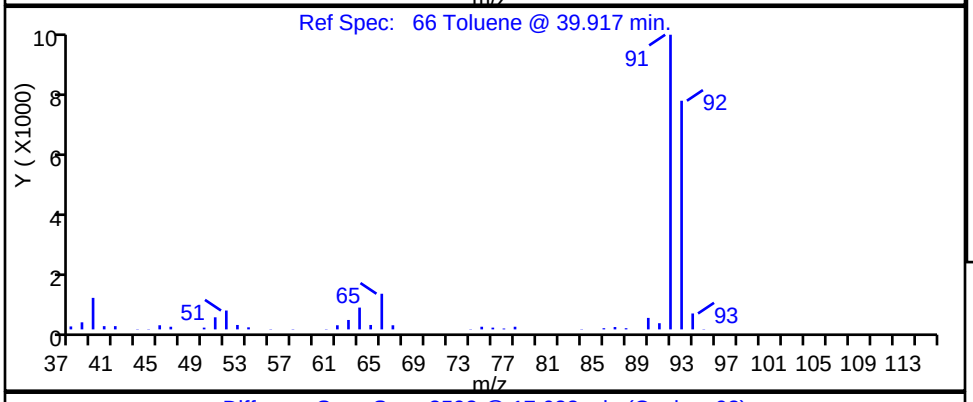
66 Toluene, CAS: 108-88-3

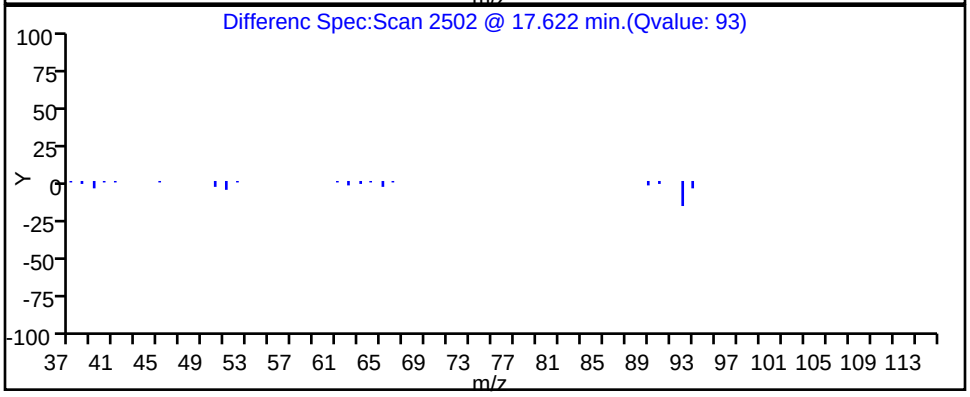








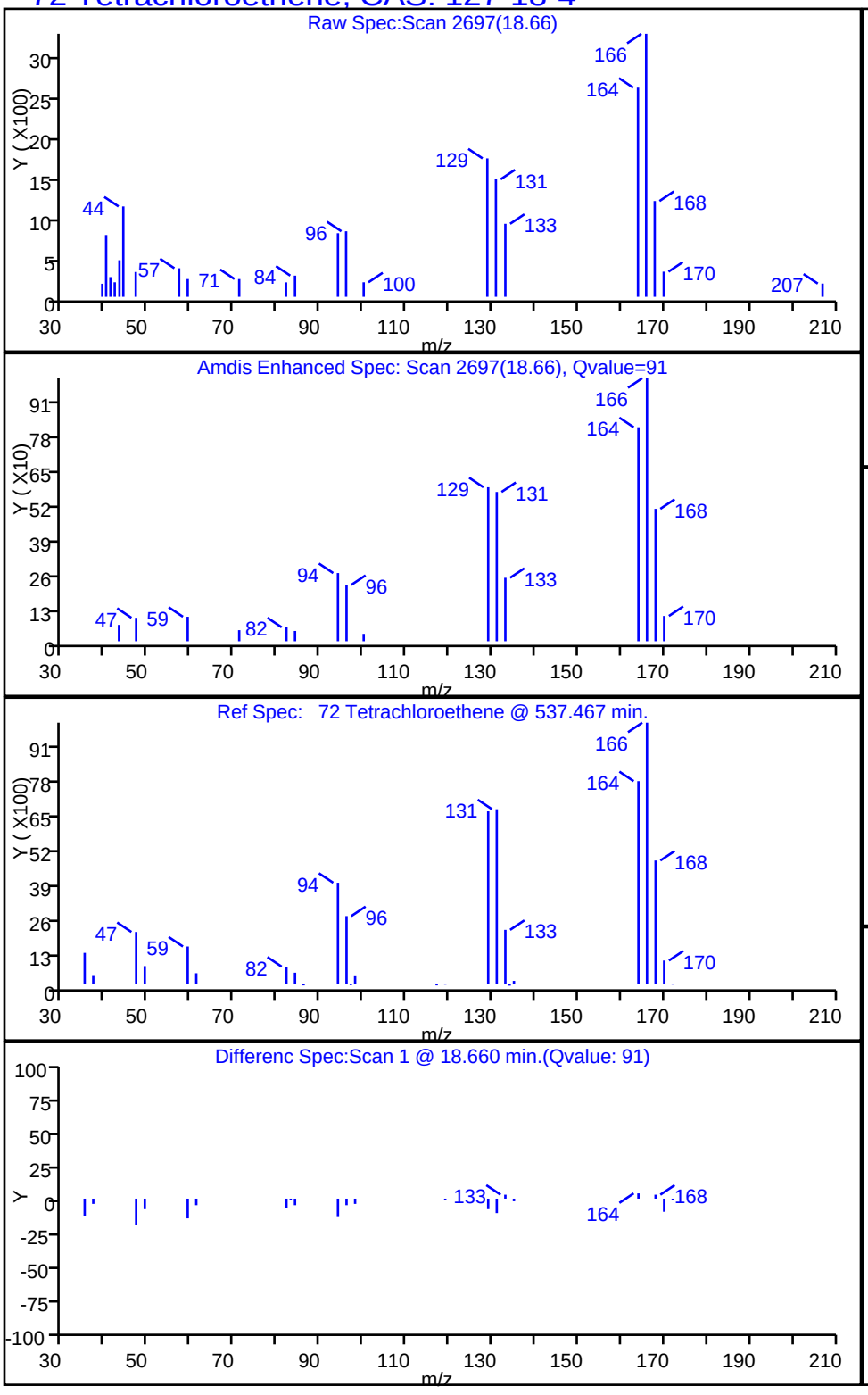


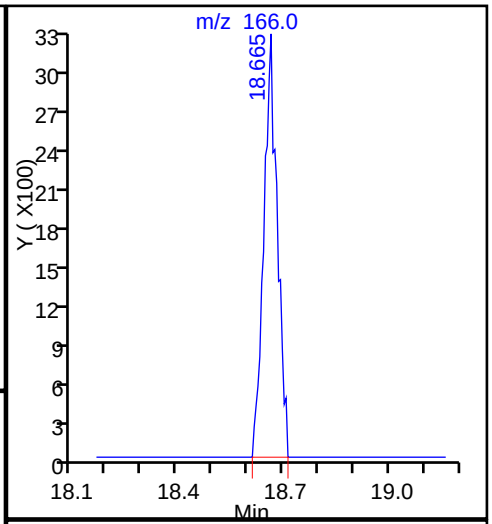


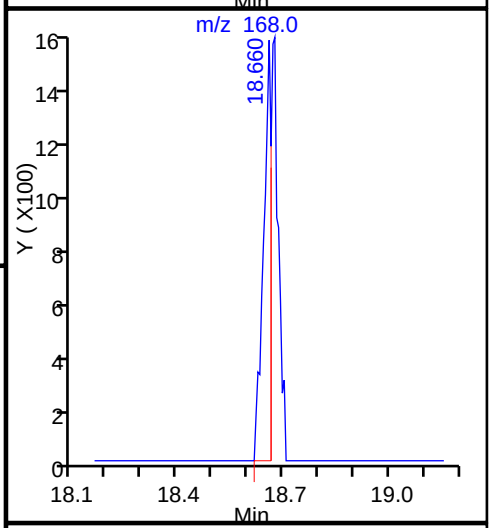
TestAmerica Burlington

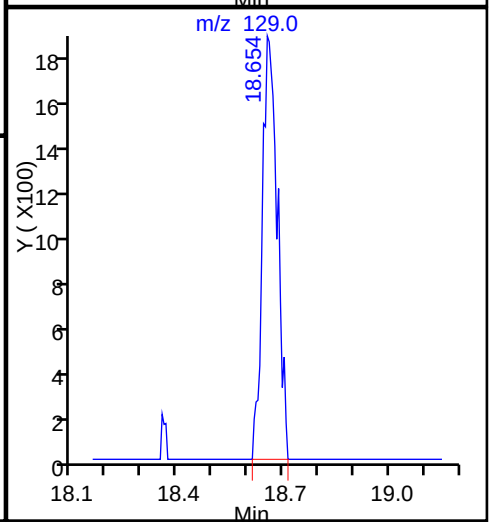
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Lims ID:	280-61460-A-1	Lab Sample ID:	200-61460-1		
Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4









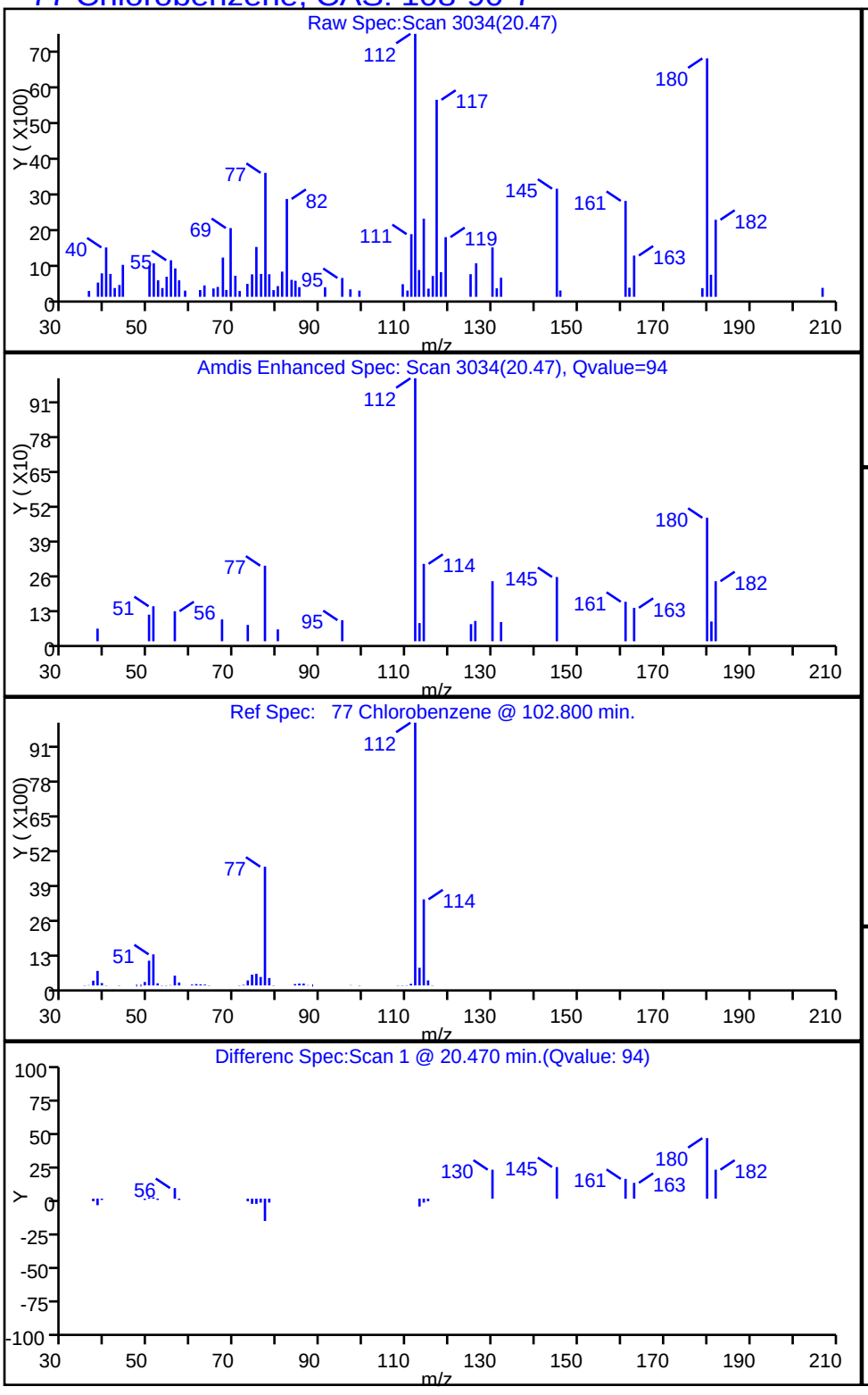
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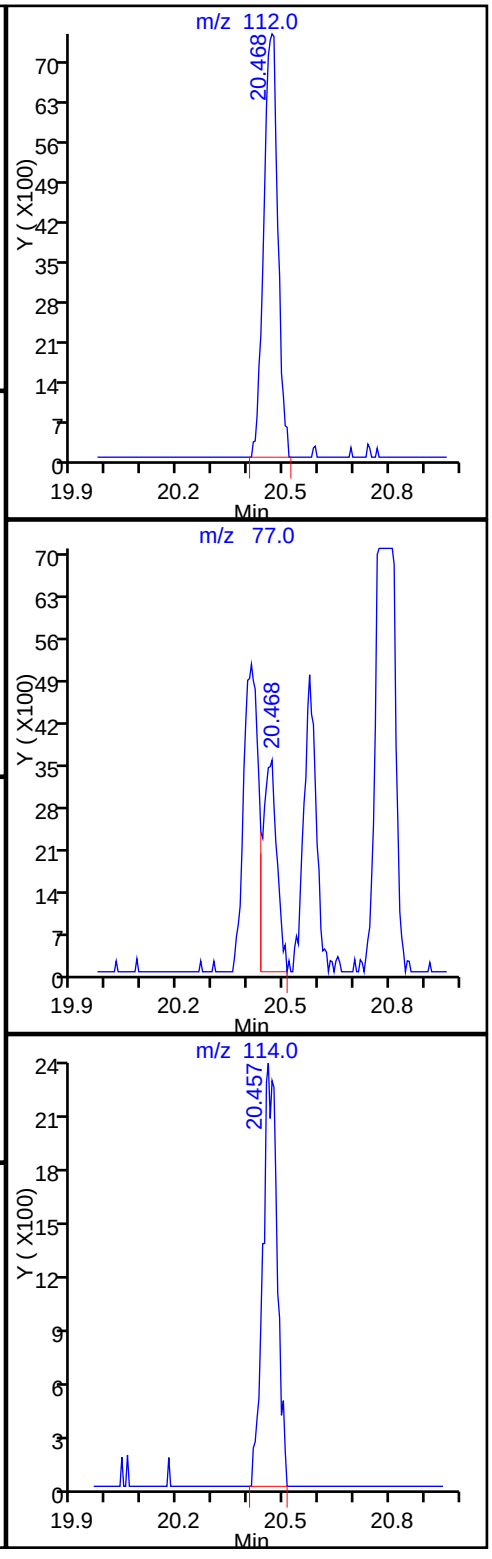
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Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

77 Chlorobenzene, CAS: 108-90-7





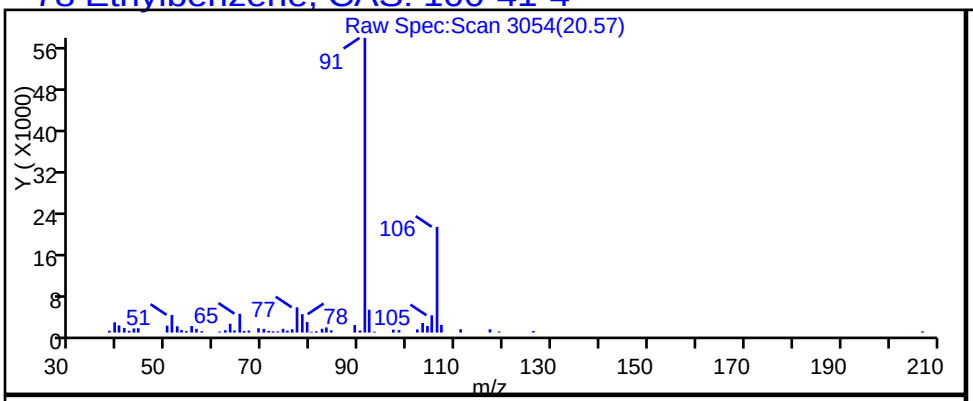
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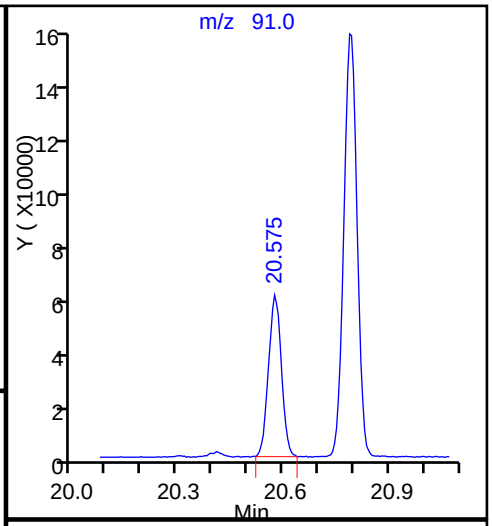
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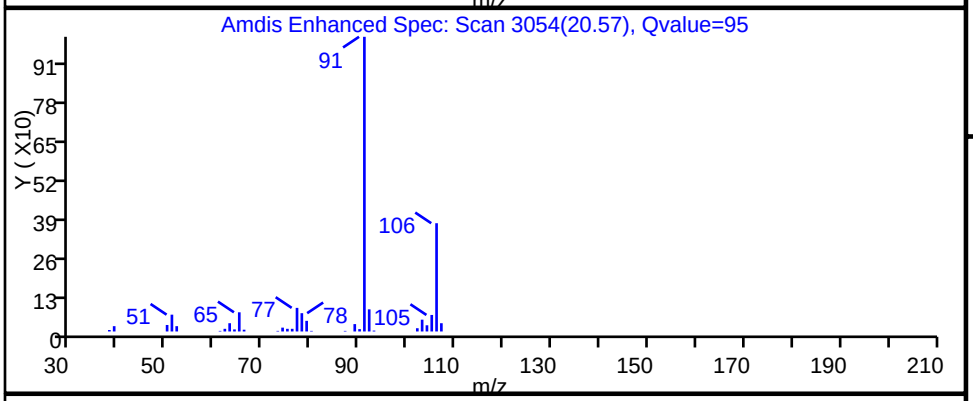
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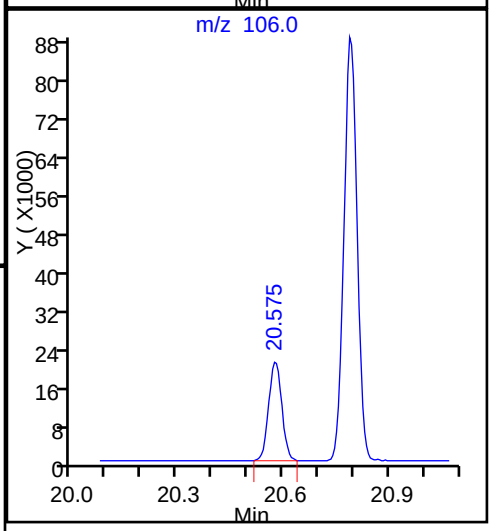
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Lims ID:	280-61460-A-1	Lab Sample ID:	200-61460-1		
Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

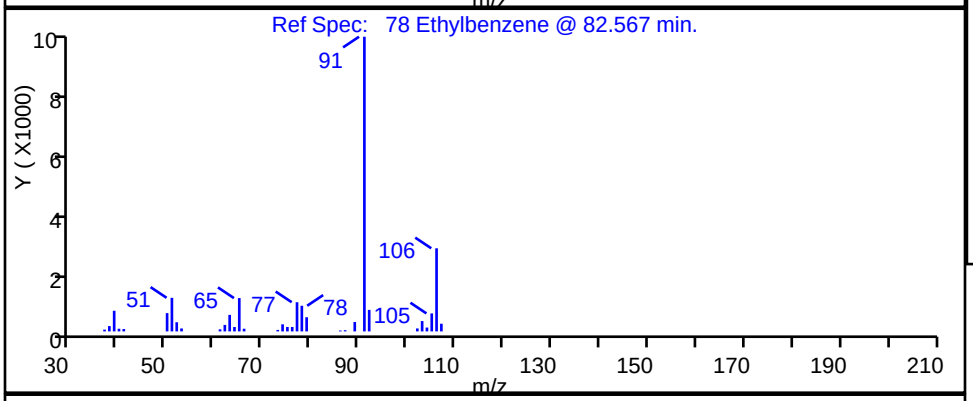
78 Ethylbenzene, CAS: 100-41-4

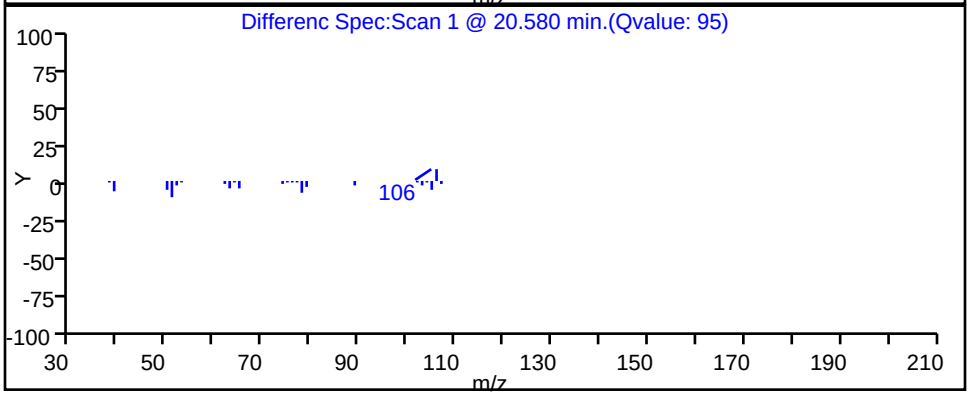












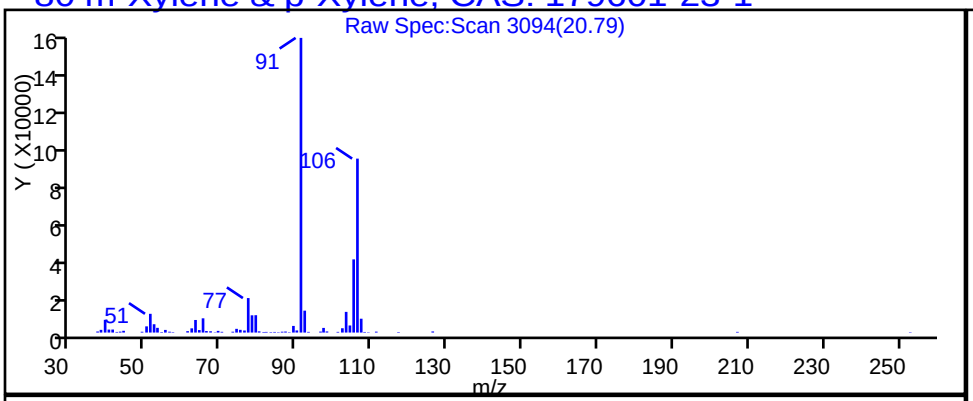
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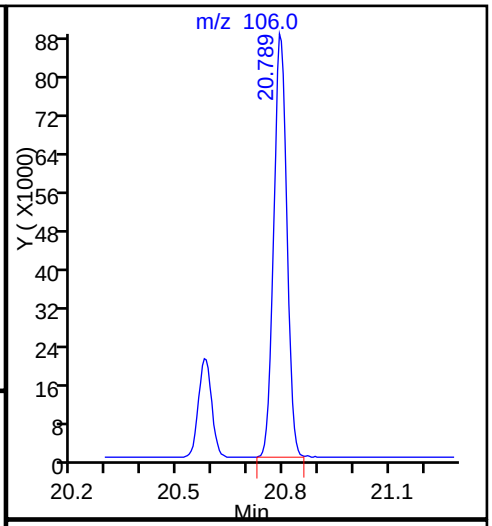
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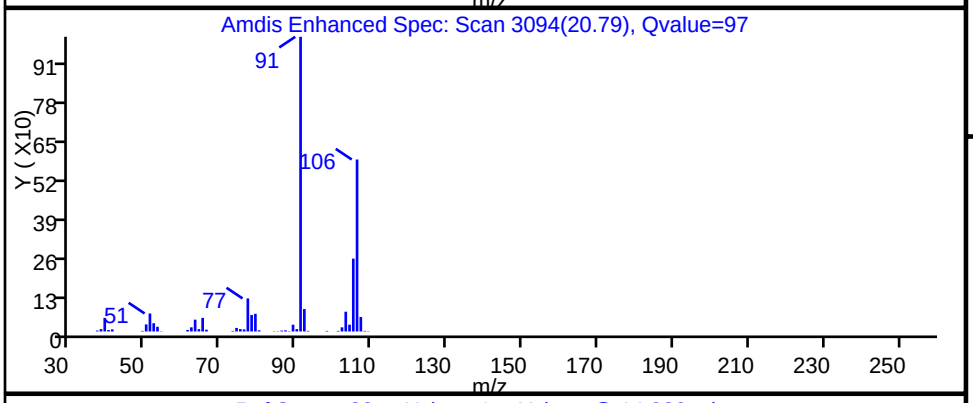
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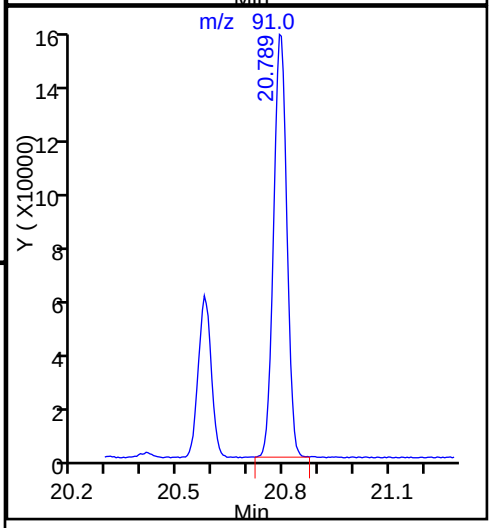
Injection Date:	31-Oct-2014 15:35:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-1	Lab Sample ID:	200-61460-1		
Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

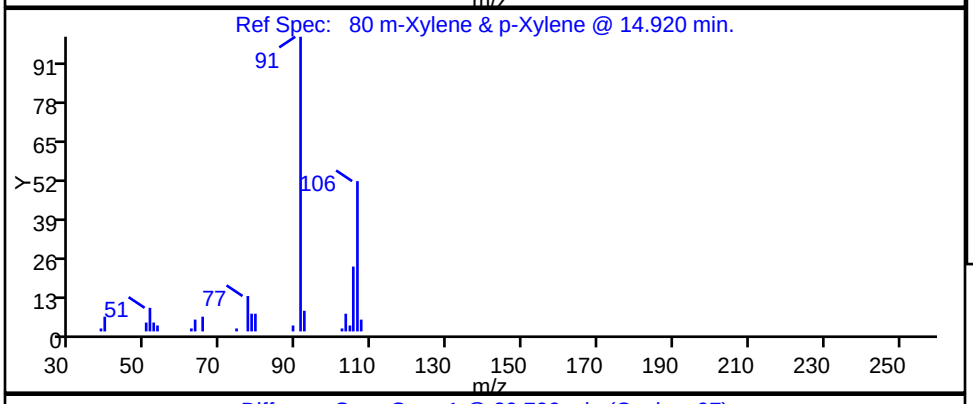
80 m-Xylene & p-Xylene, CAS: 179601-23-1

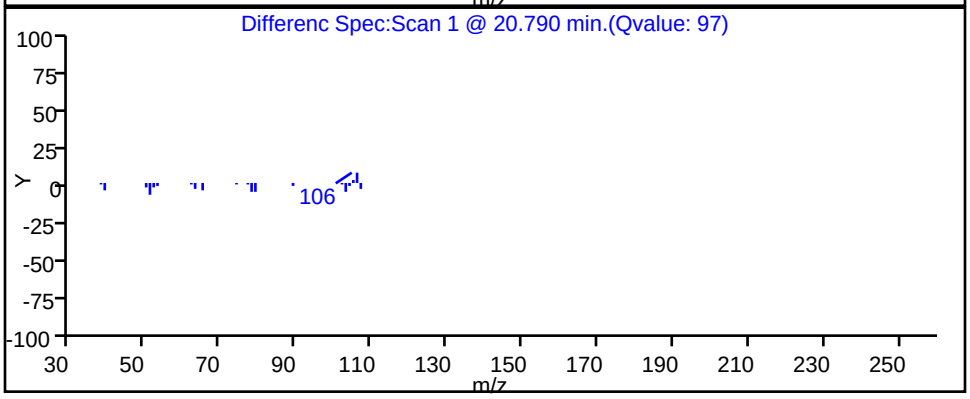












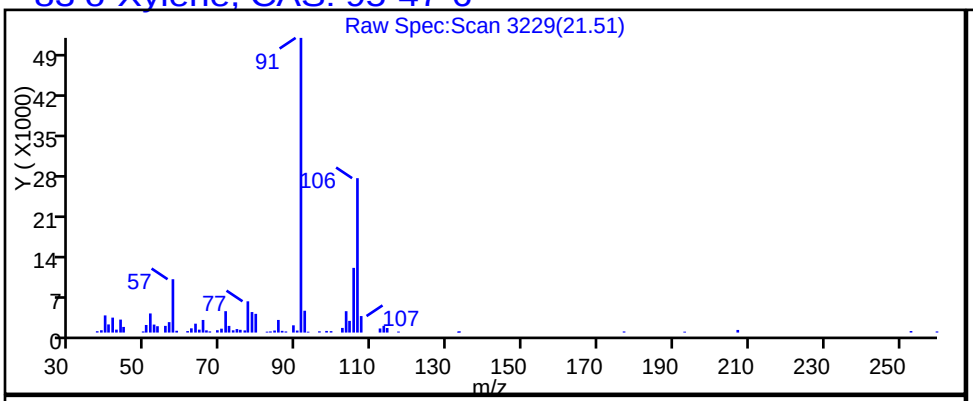
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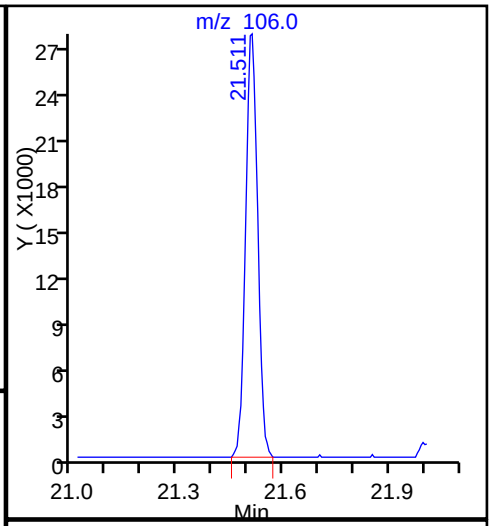
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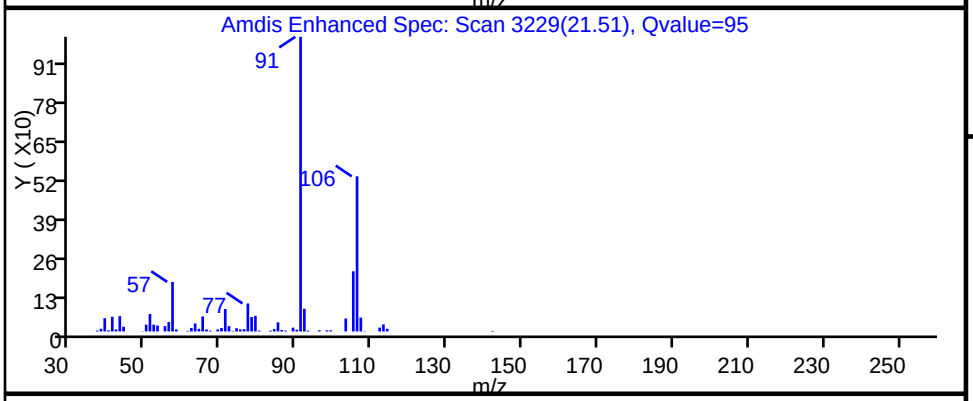
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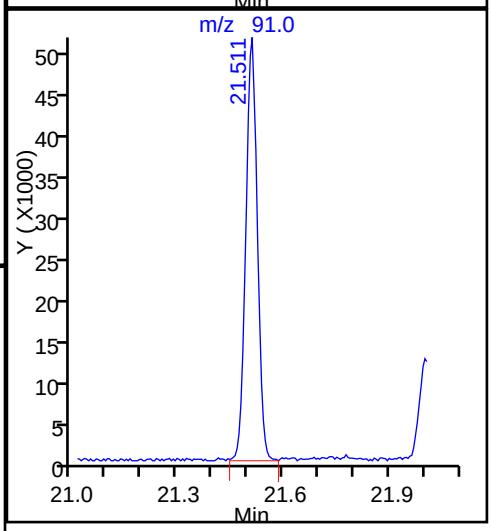
Injection Date:	31-Oct-2014 15:35:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-1	Lab Sample ID:	200-61460-1		
Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

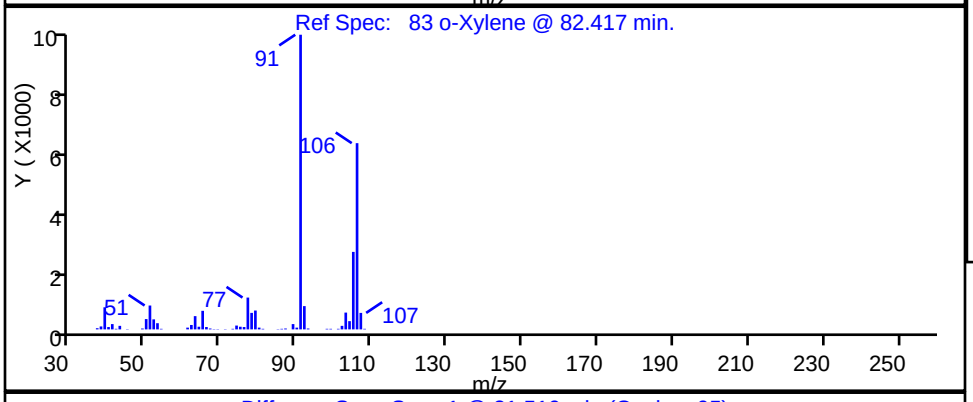
83 o-Xylene, CAS: 95-47-6

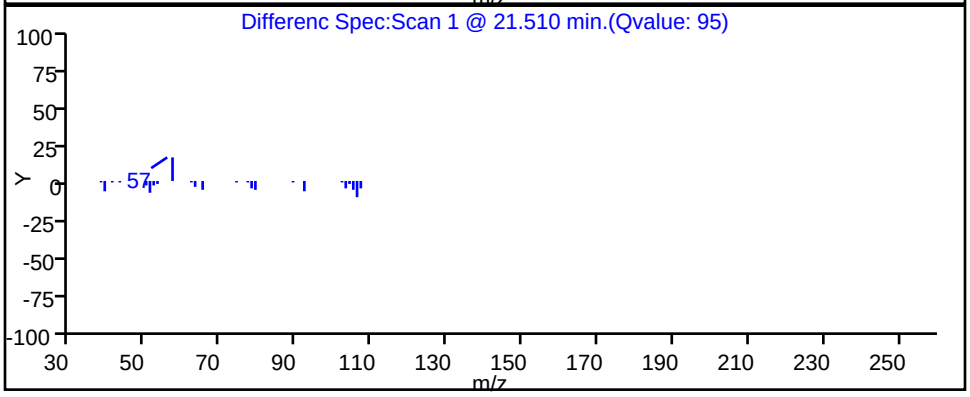












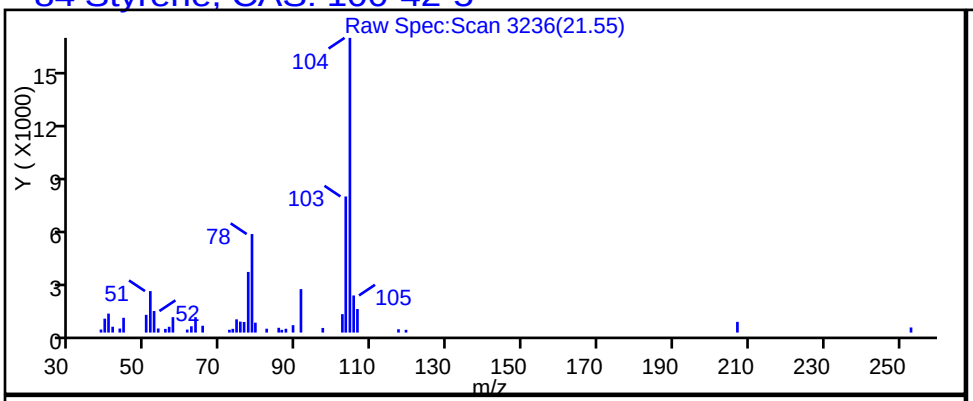
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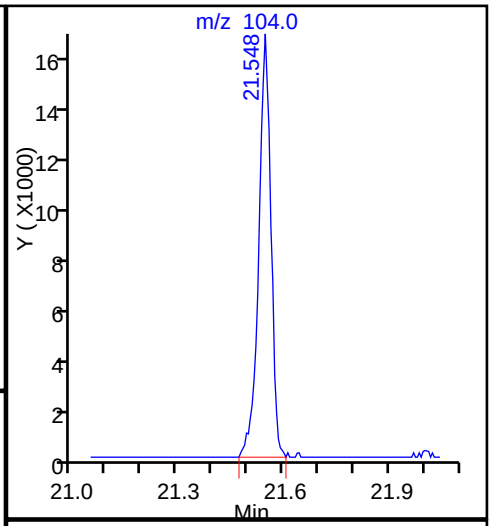
TestAmerica Burlington

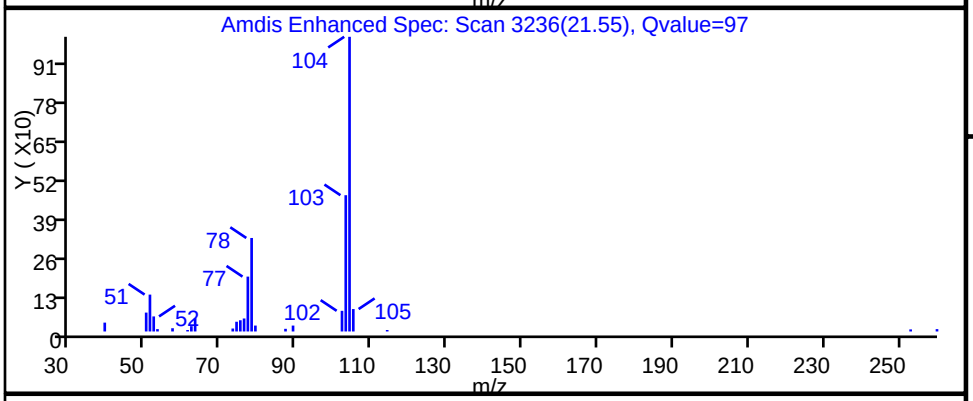
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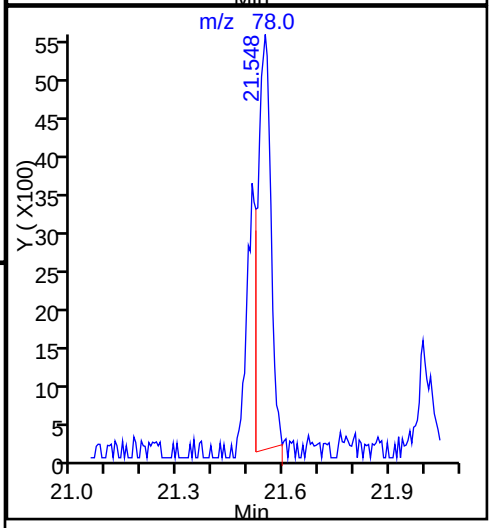
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Lims ID:	280-61460-A-1	Lab Sample ID:	200-61460-1		
Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

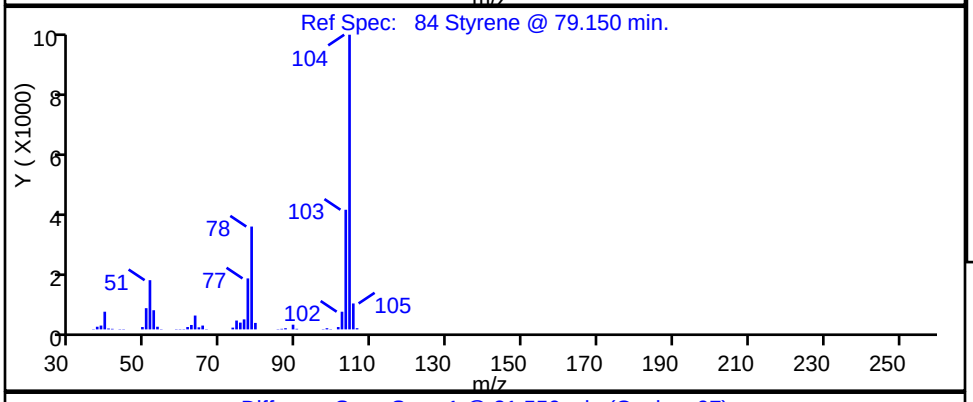
84 Styrene, CAS: 100-42-5

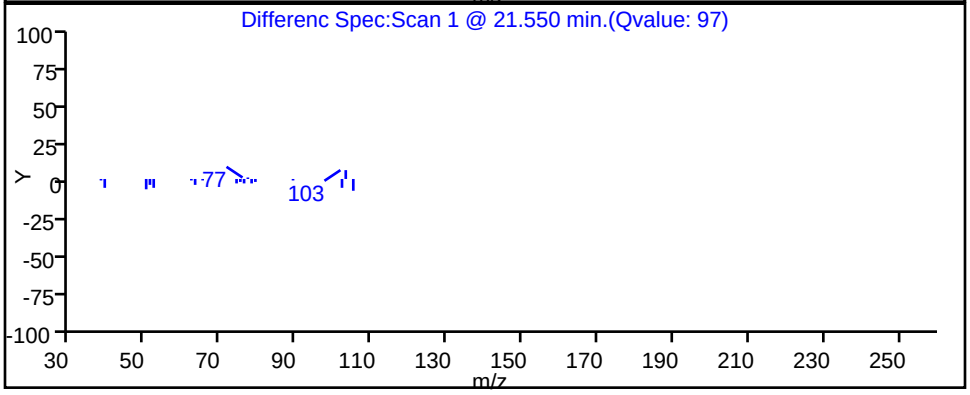












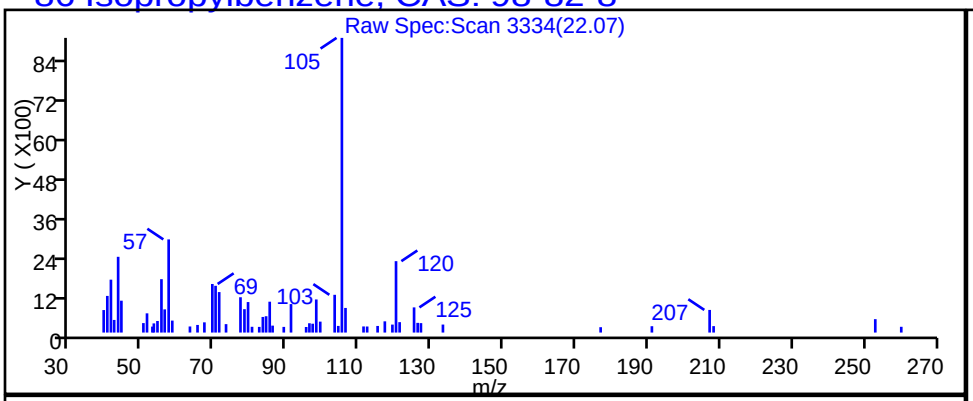
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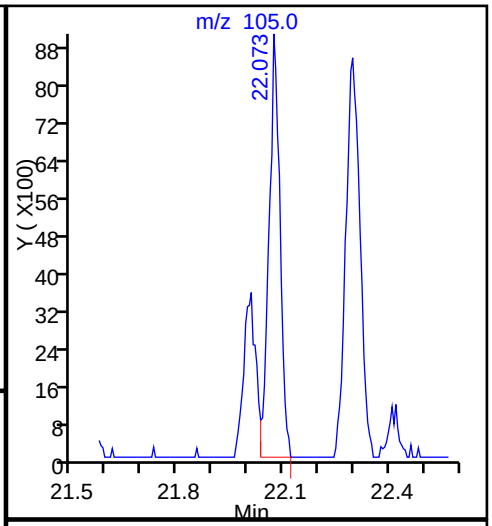
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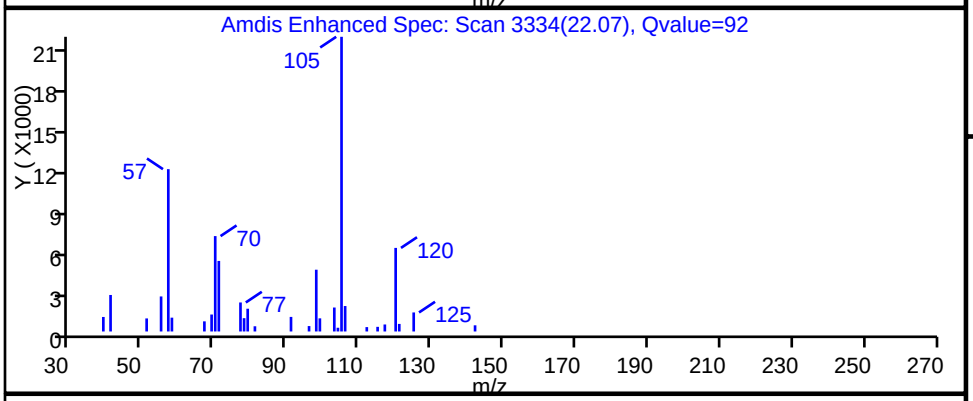
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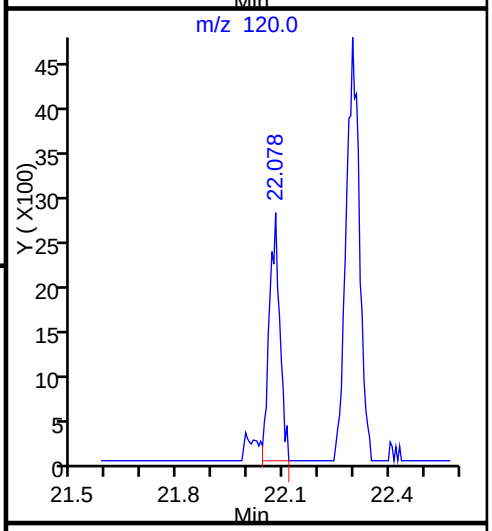
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Lims ID:	280-61460-A-1	Lab Sample ID:	200-61460-1		
Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

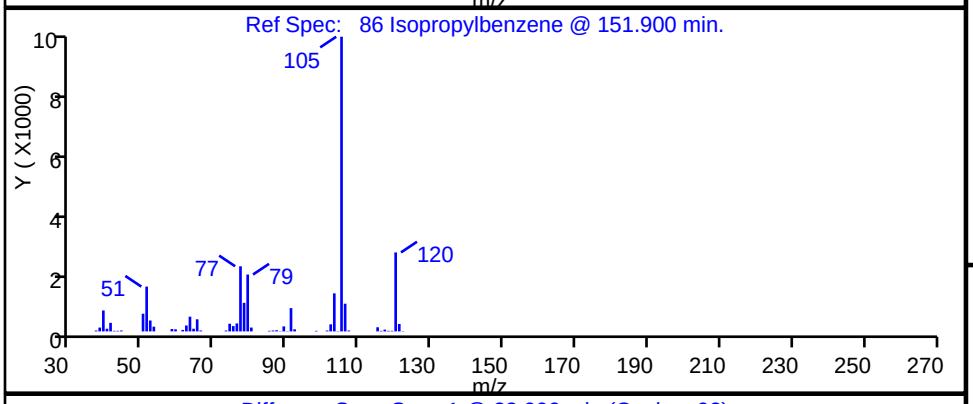
86 Isopropylbenzene, CAS: 98-82-8

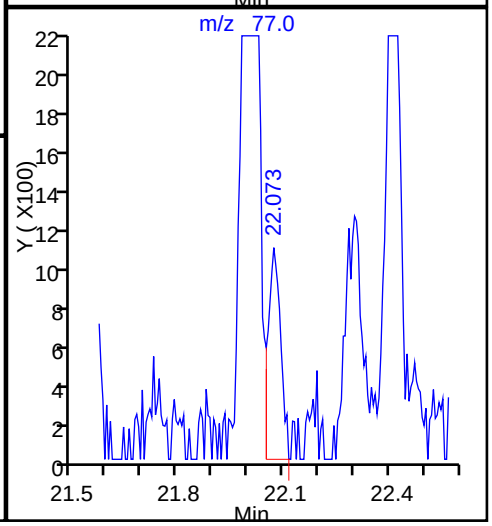


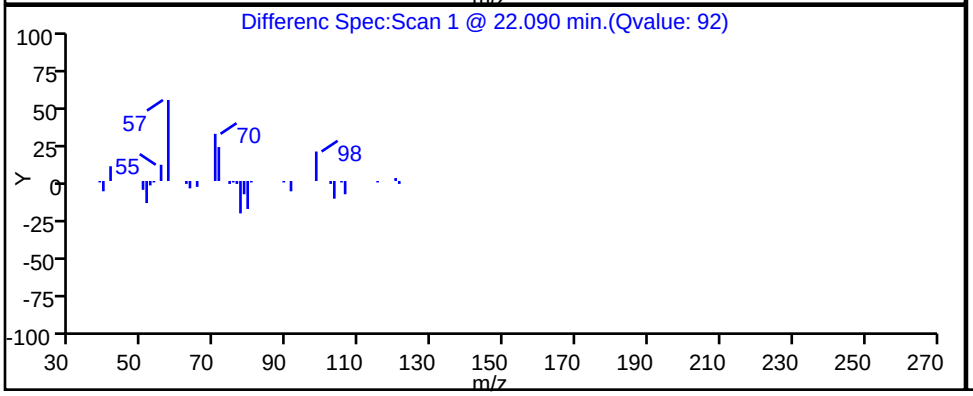












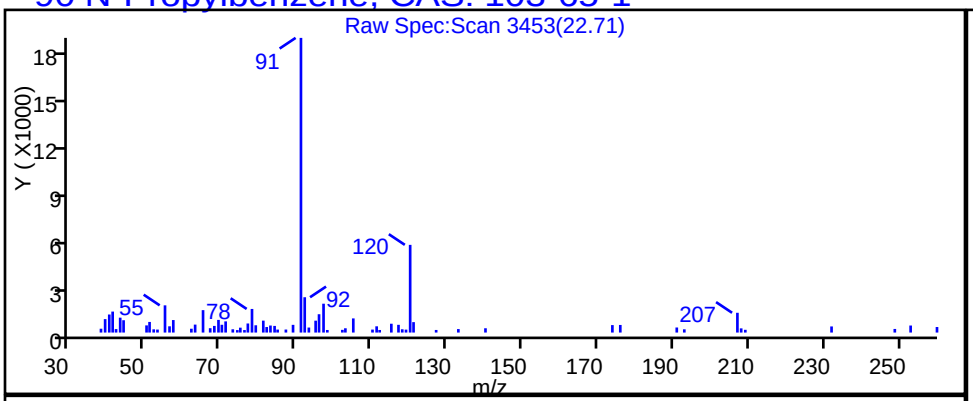
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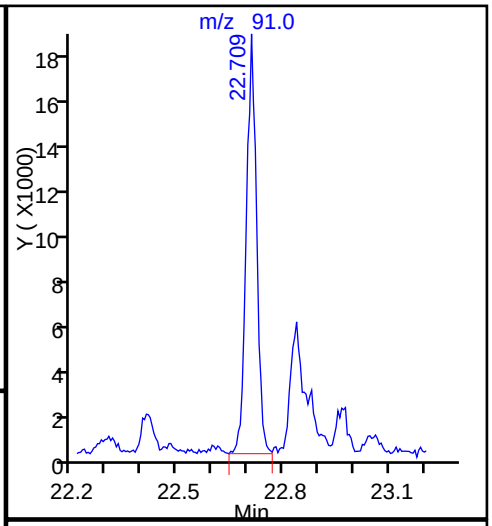
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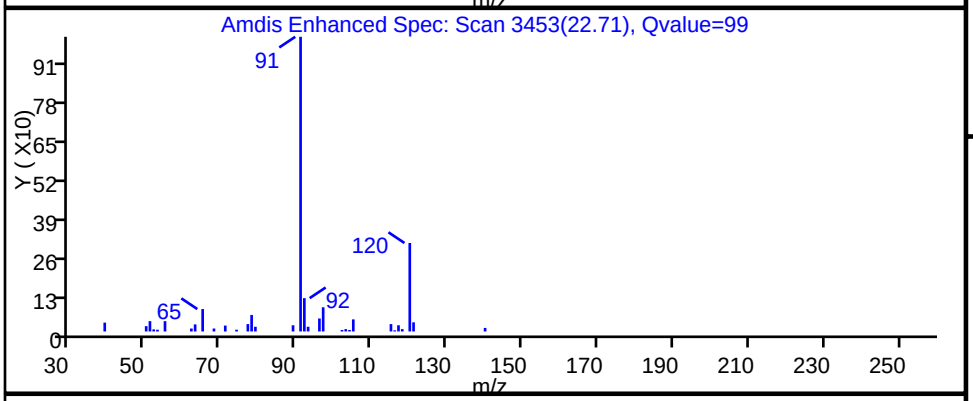
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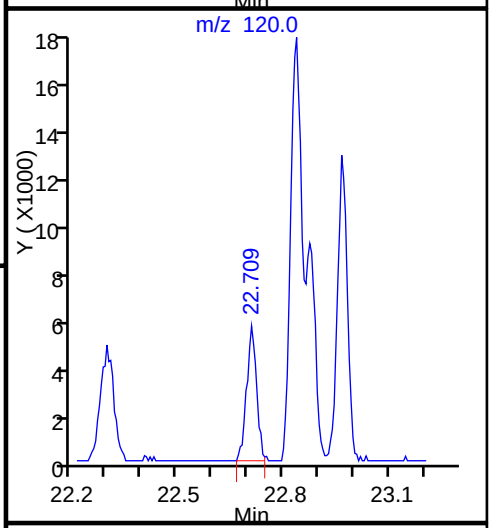
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Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

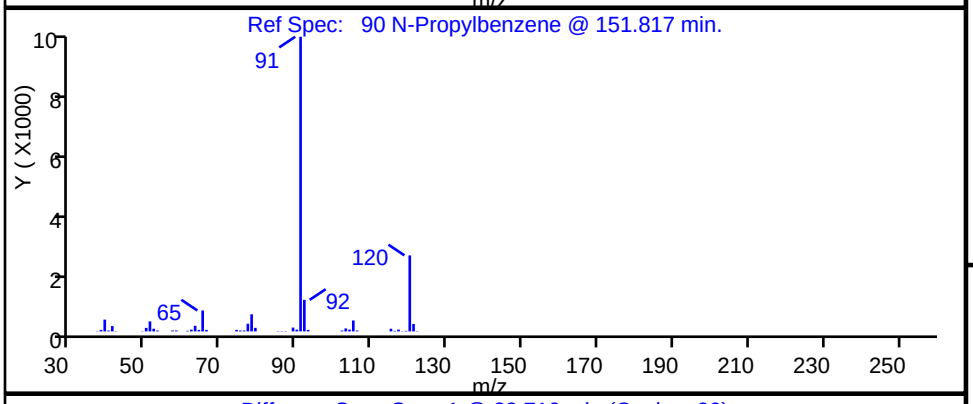
90 N-Propylbenzene, CAS: 103-65-1

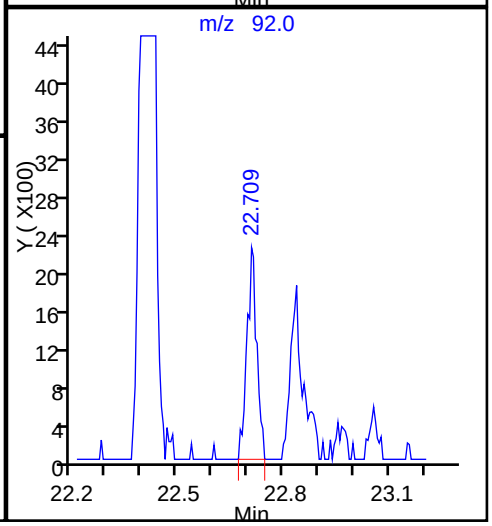


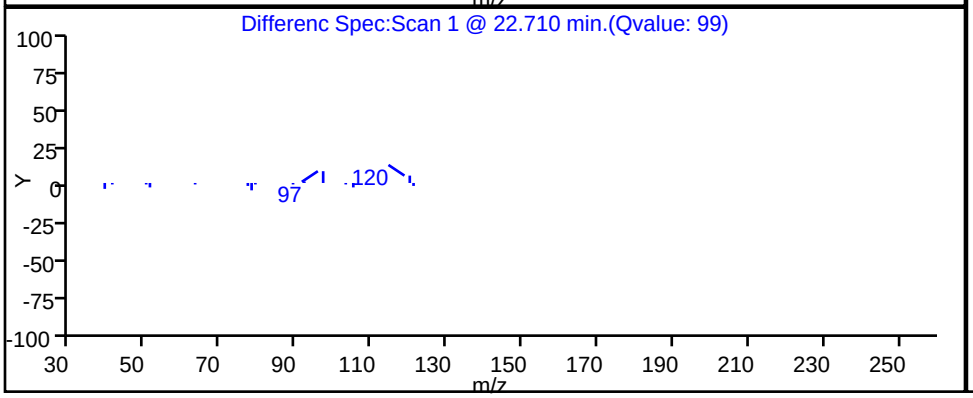












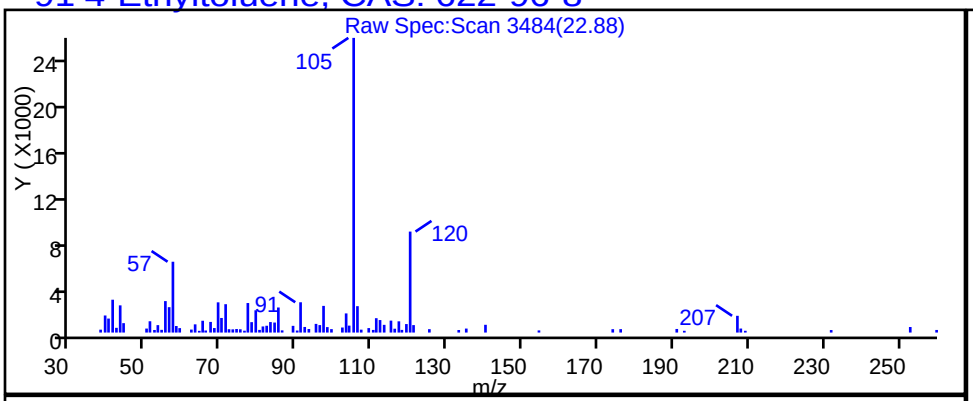
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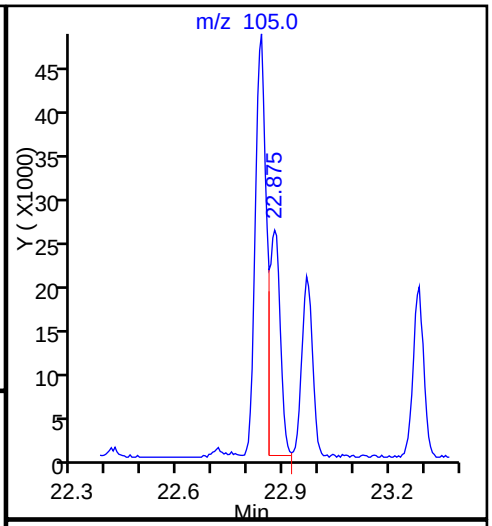
TestAmerica Burlington

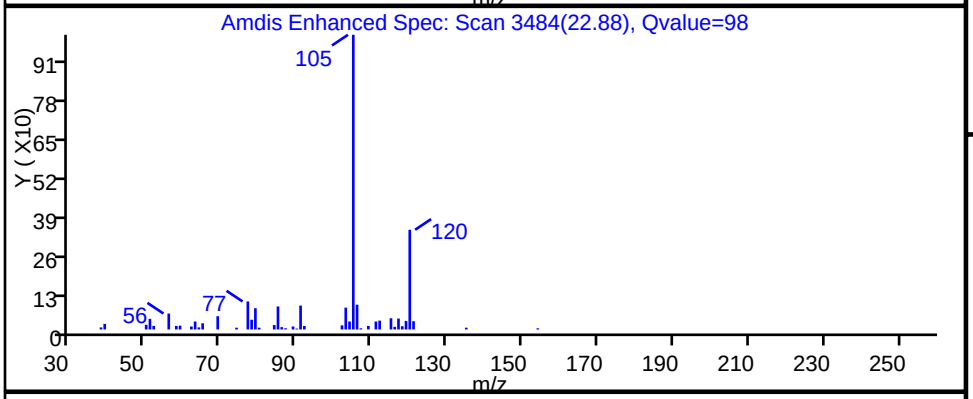
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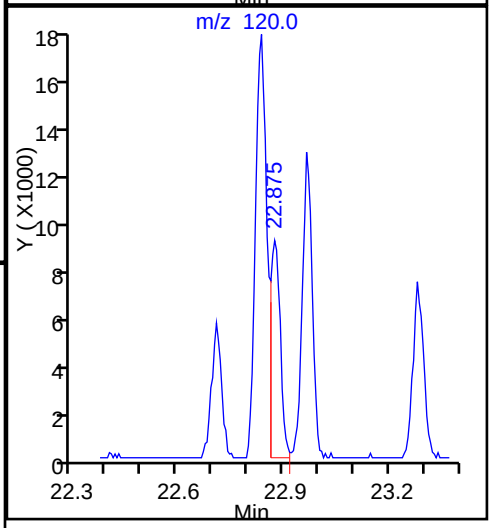
Injection Date:	31-Oct-2014 15:35:30	Instrument ID:	CHW.i
Lims ID:	280-61460-A-1	Lab Sample ID:	200-61460-1
Client ID:	101VMP0101EA		
Operator ID:	BPL	ALS Bottle#:	8 Worklist Smp#: 9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

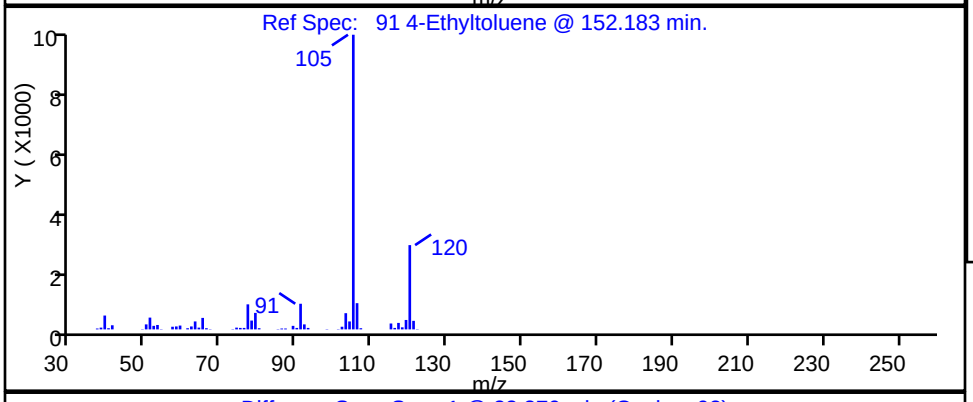
91 4-Ethyltoluene, CAS: 622-96-8

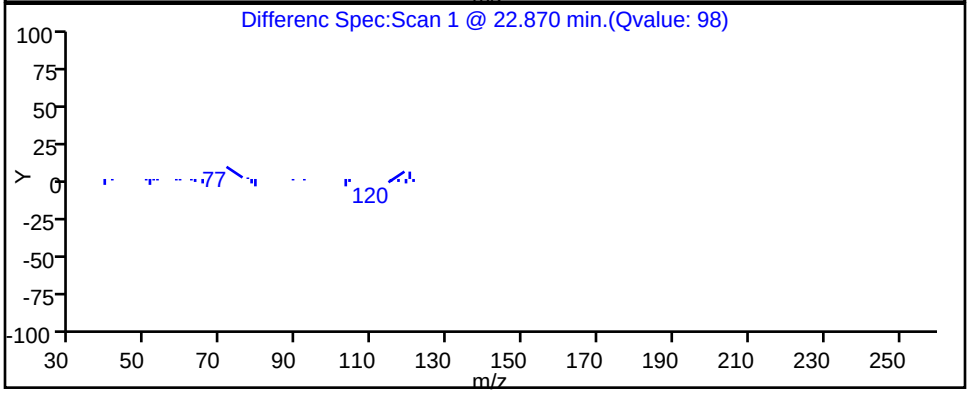












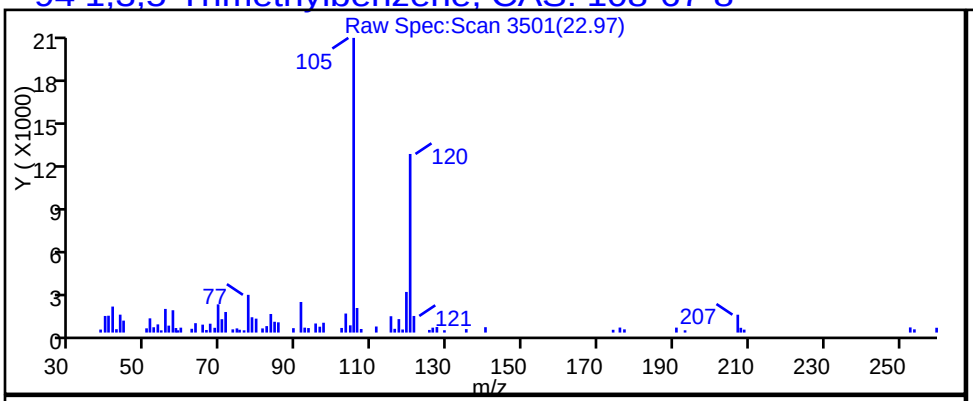
Report Date: 03-Nov-2014 09:12:49 Chrom Revision: 2.2 07-Oct-2014 12:16:06

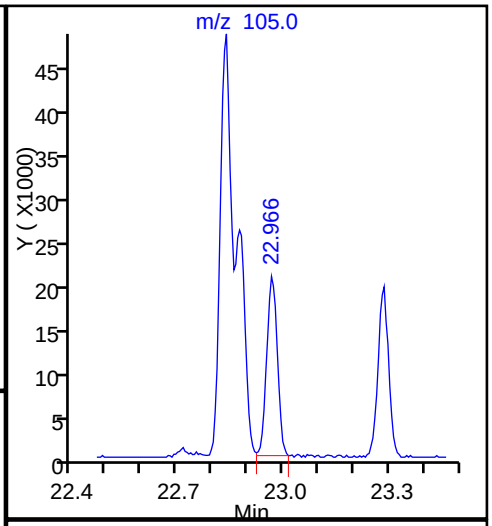
TestAmerica Burlington

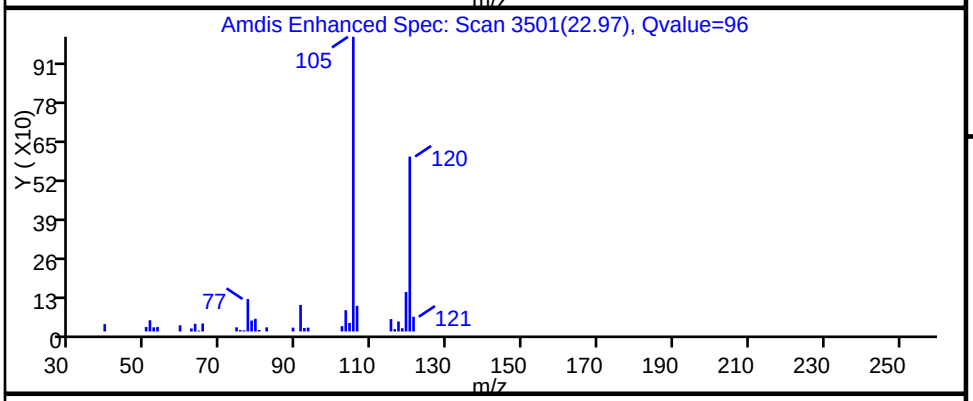
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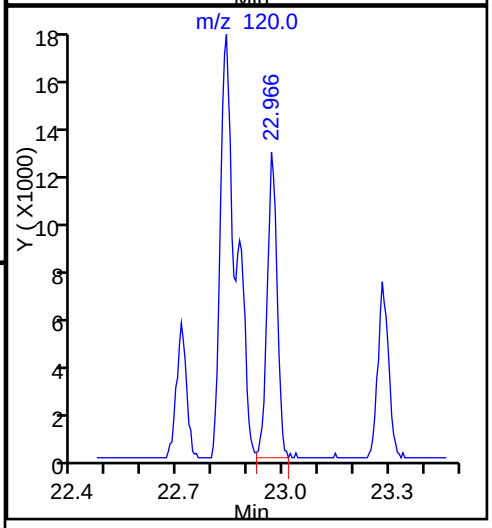
Injection Date:	31-Oct-2014 15:35:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-1	Lab Sample ID:	200-61460-1		
Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

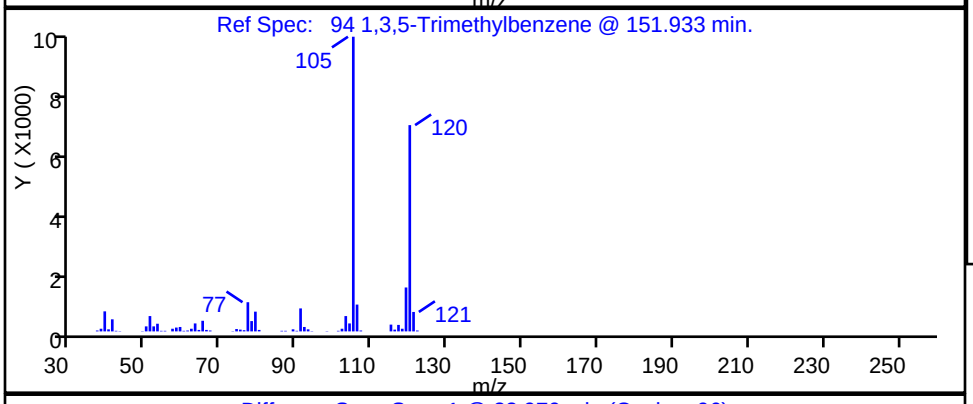
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

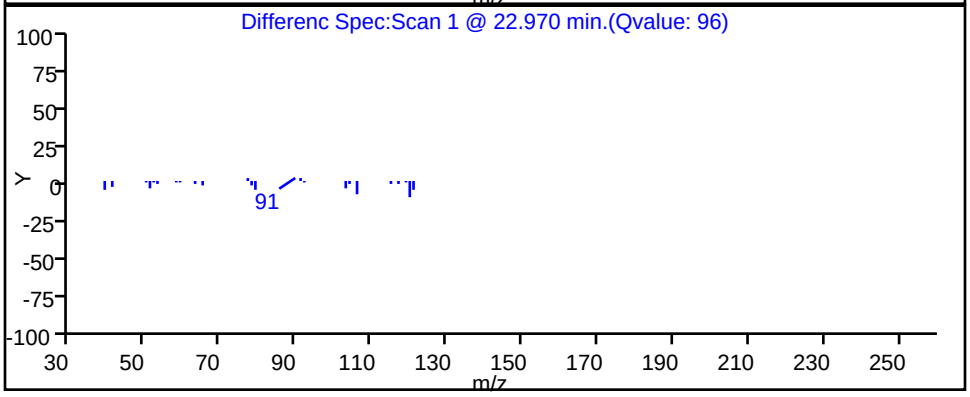








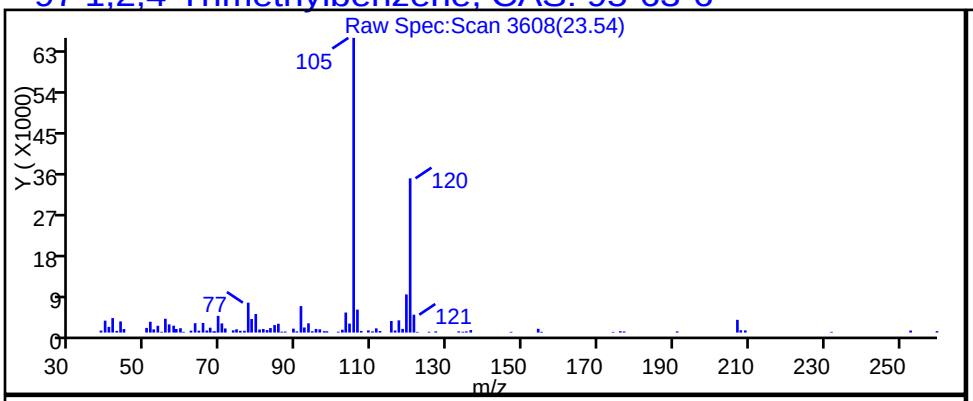


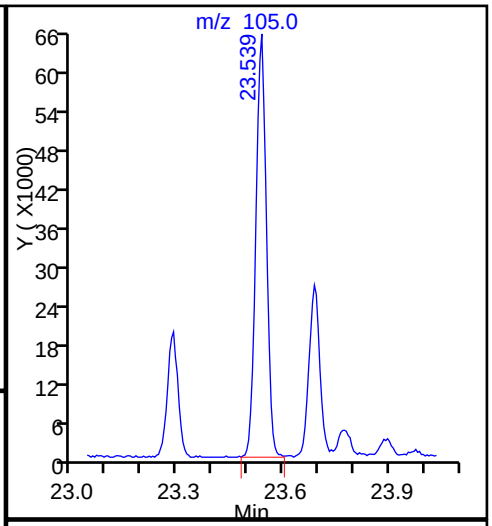


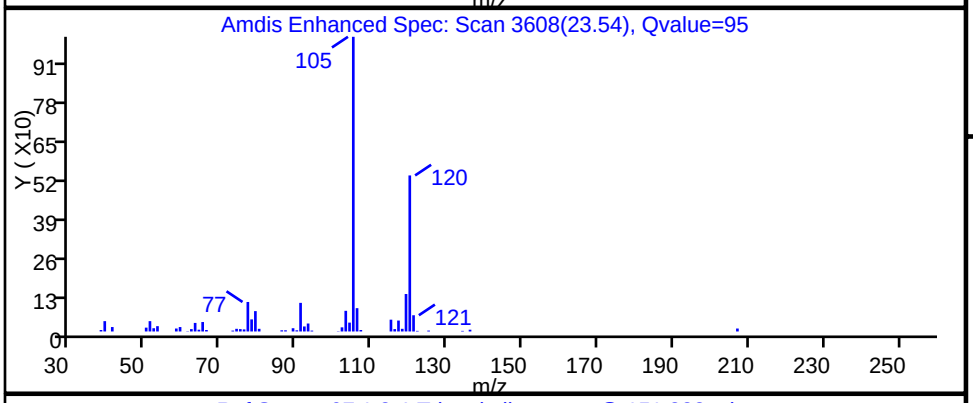
TestAmerica Burlington

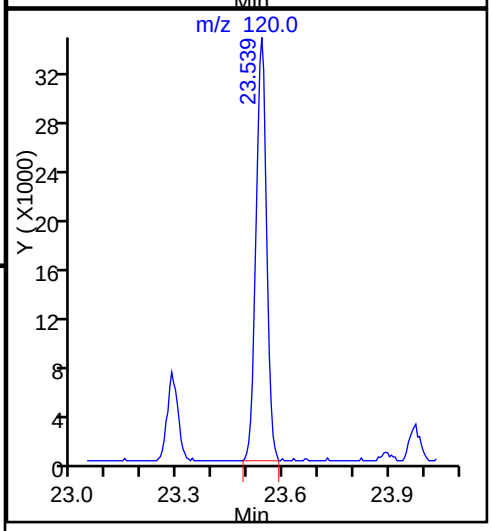
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Injection Date:	31-Oct-2014 15:35:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-1	Lab Sample ID:	200-61460-1		
Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

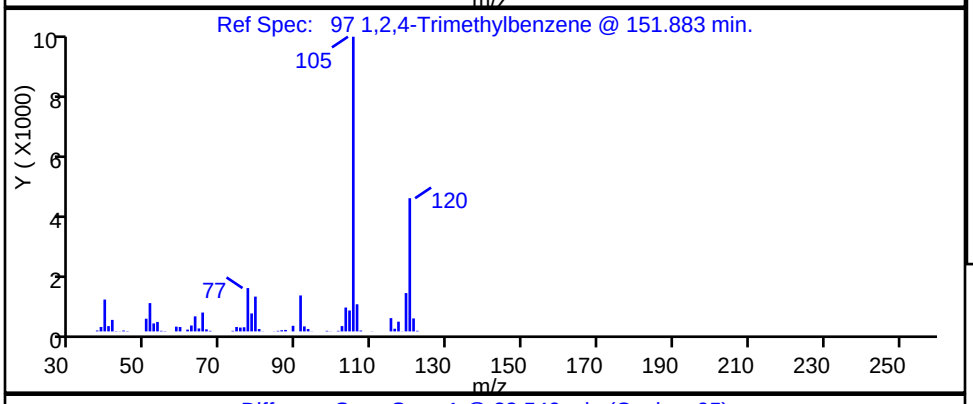
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

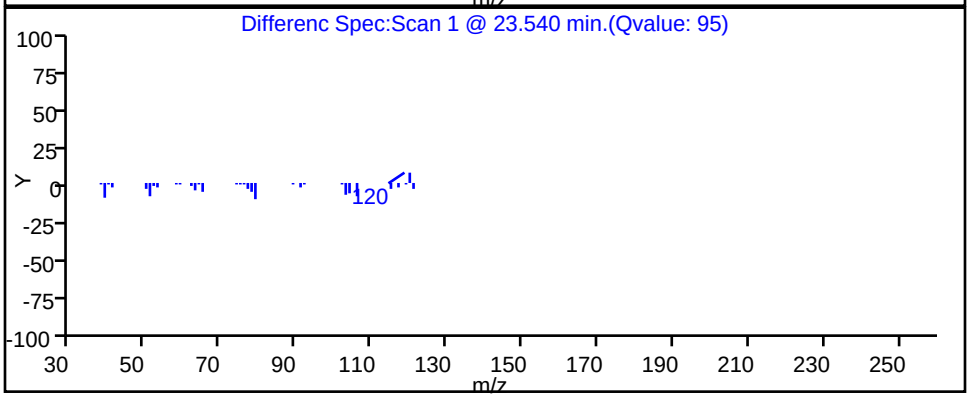












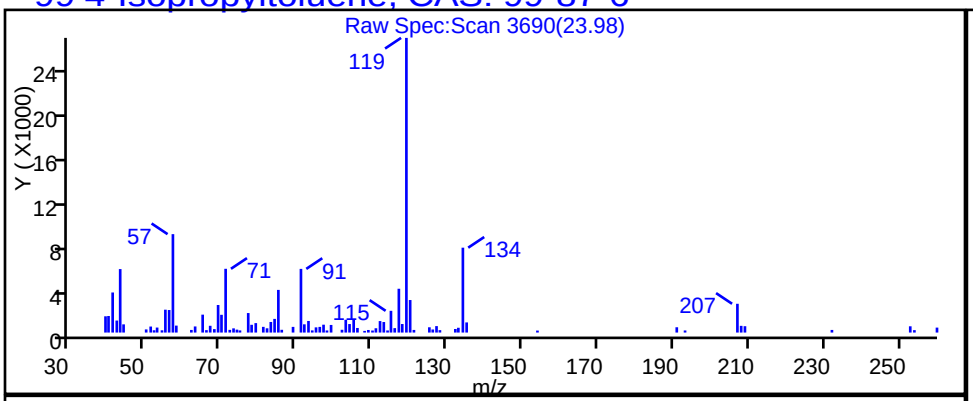
Report Date: 03-Nov-2014 09:12:49 Chrom Revision: 2.2 07-Oct-2014 12:16:06

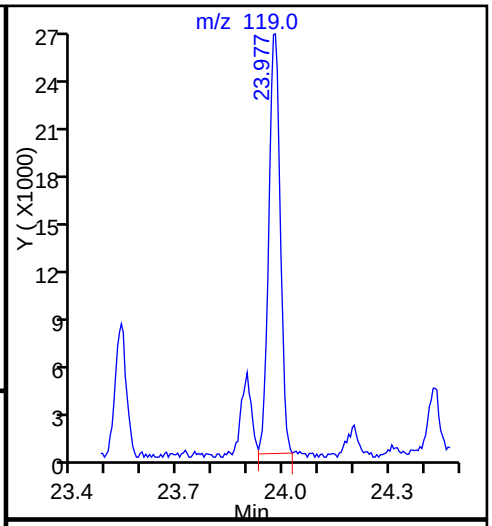
TestAmerica Burlington

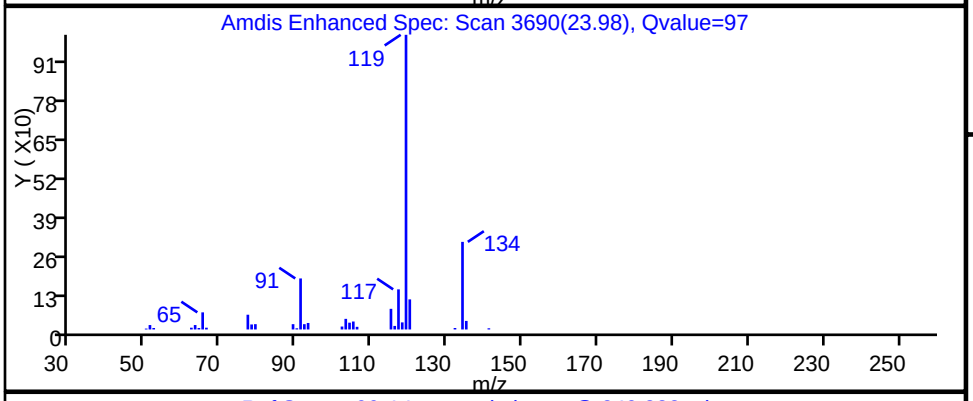
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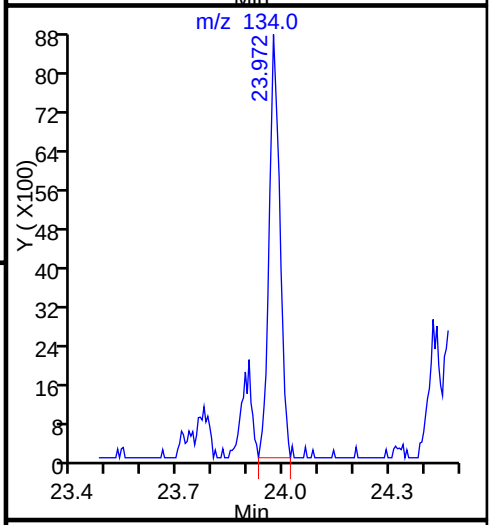
Injection Date:	31-Oct-2014 15:35:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-1	Lab Sample ID:	200-61460-1		
Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

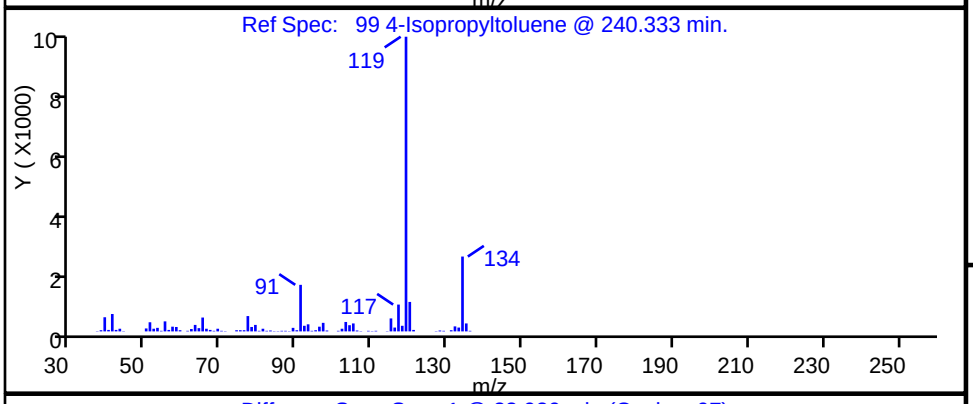
99 4-Isopropyltoluene, CAS: 99-87-6

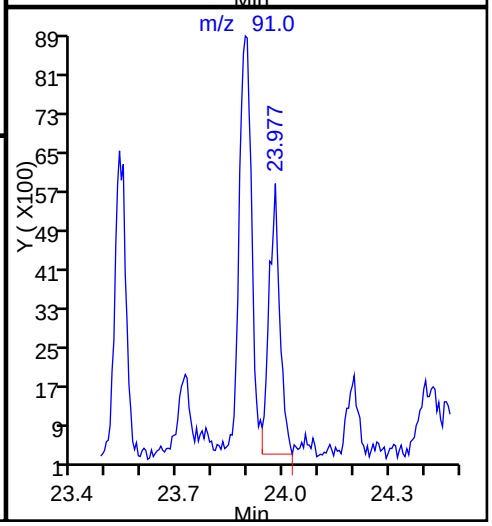


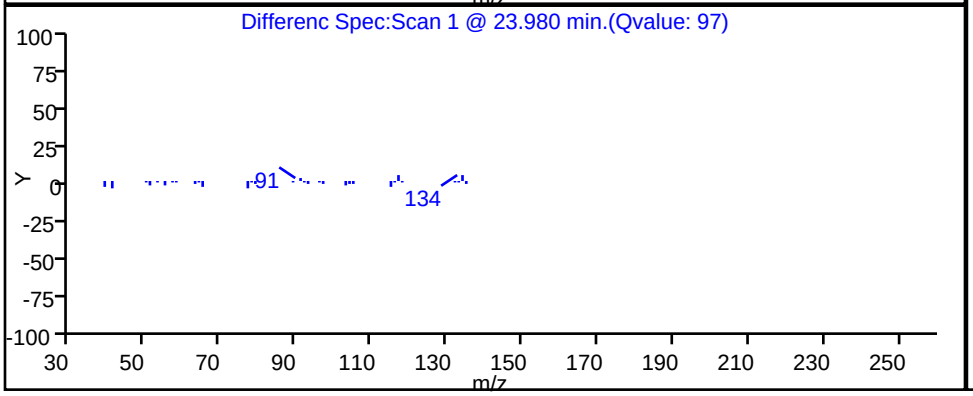










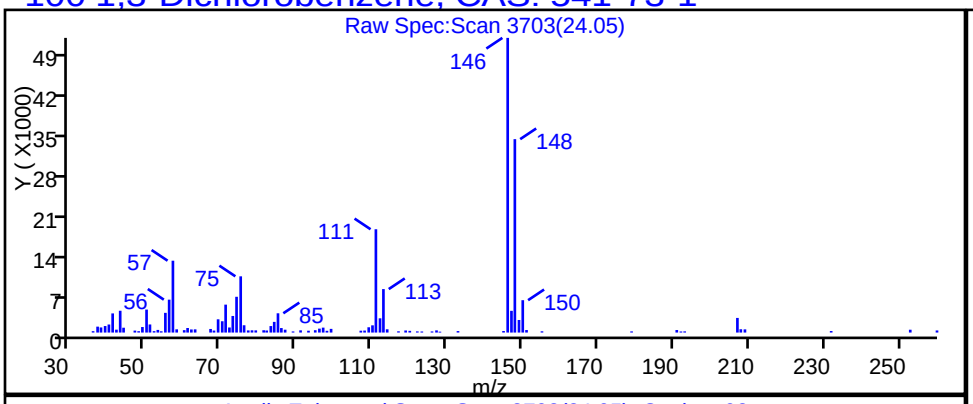


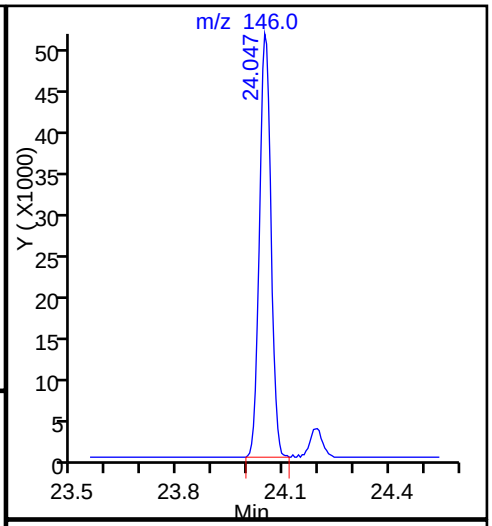
TestAmerica Burlington

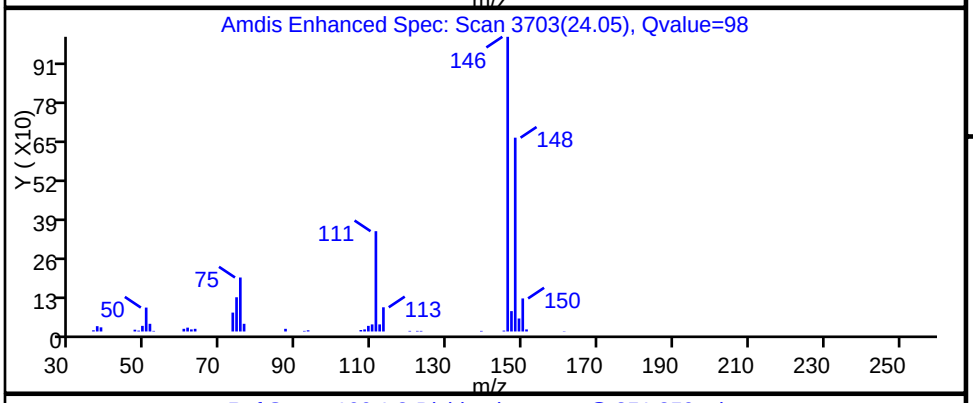
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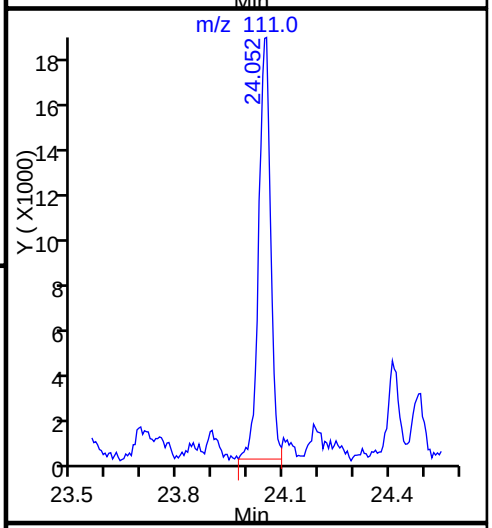
Injection Date:	31-Oct-2014 15:35:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-1	Lab Sample ID:	200-61460-1		
Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

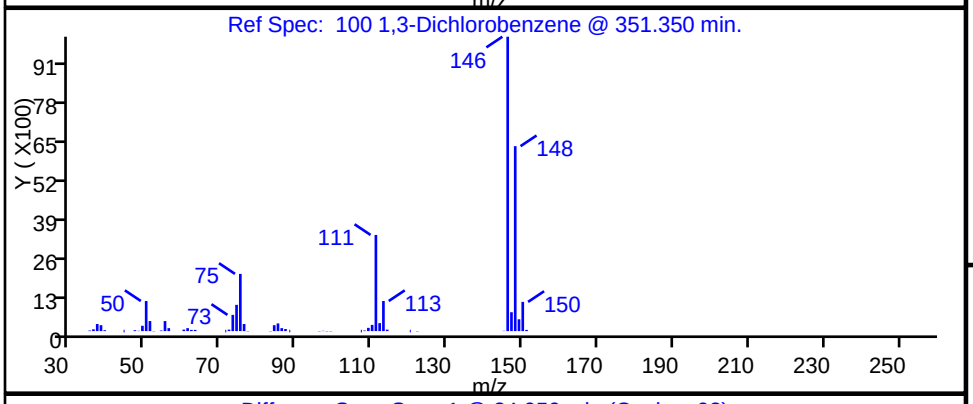
100 1,3-Dichlorobenzene, CAS: 541-73-1

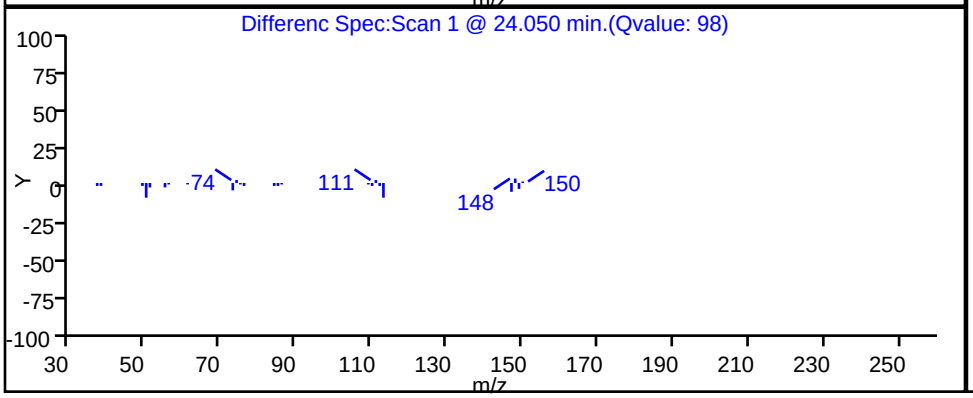


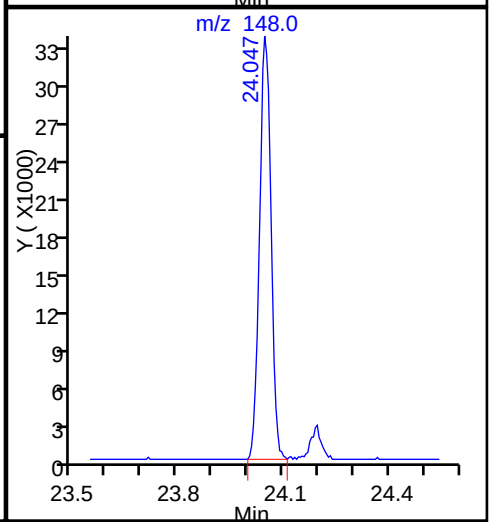








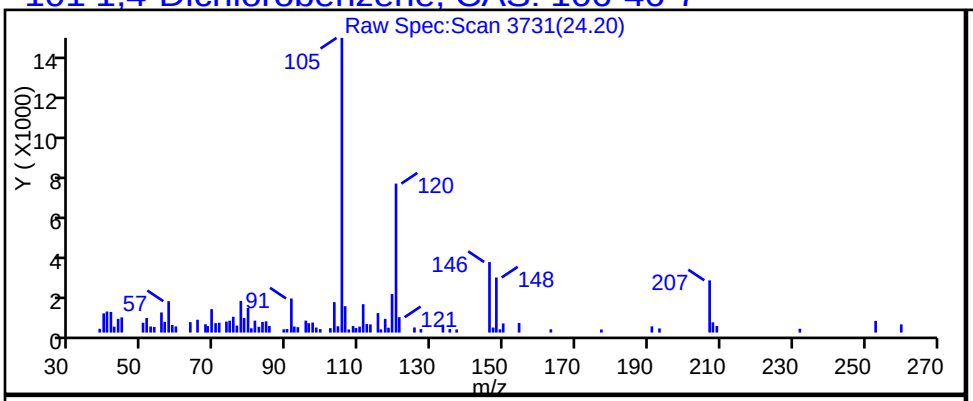


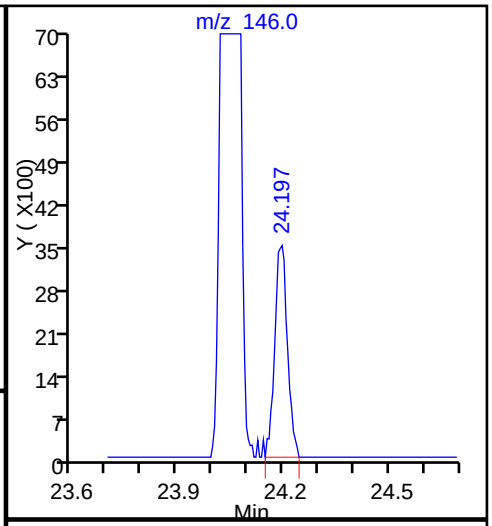


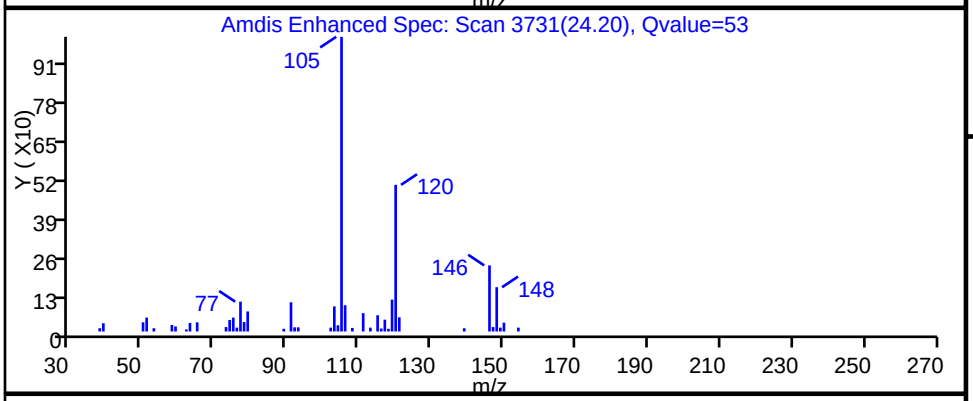
TestAmerica Burlington

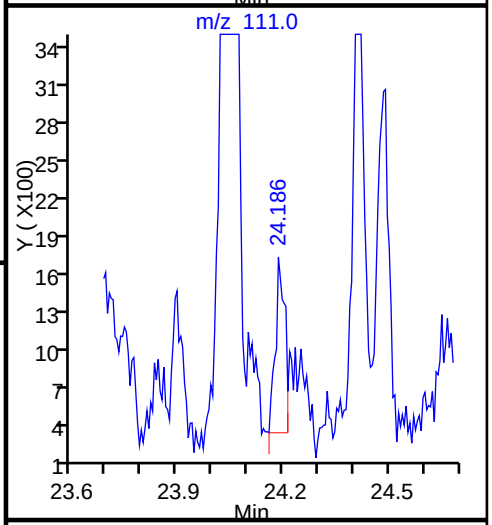
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Lims ID:	280-61460-A-1	Lab Sample ID:	200-61460-1		
Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

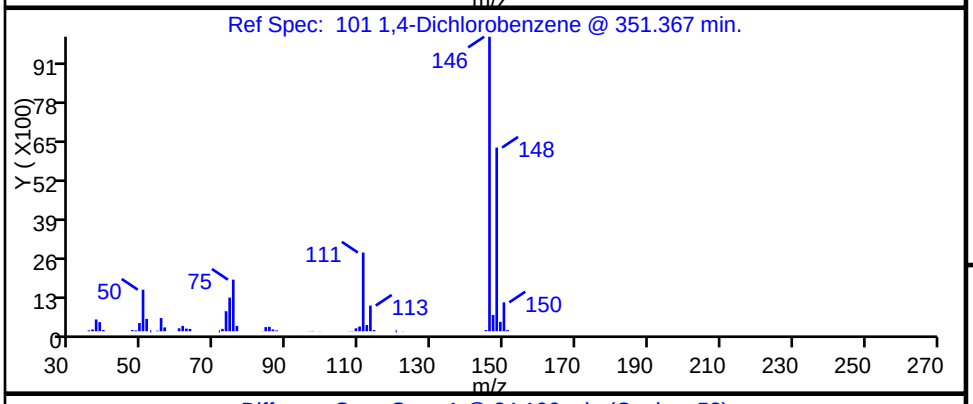
101 1,4-Dichlorobenzene, CAS: 106-46-7

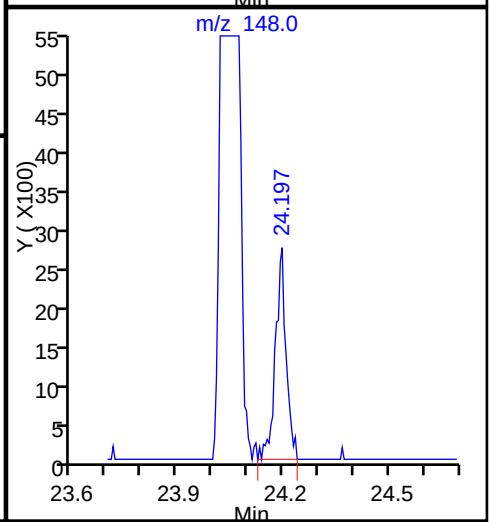


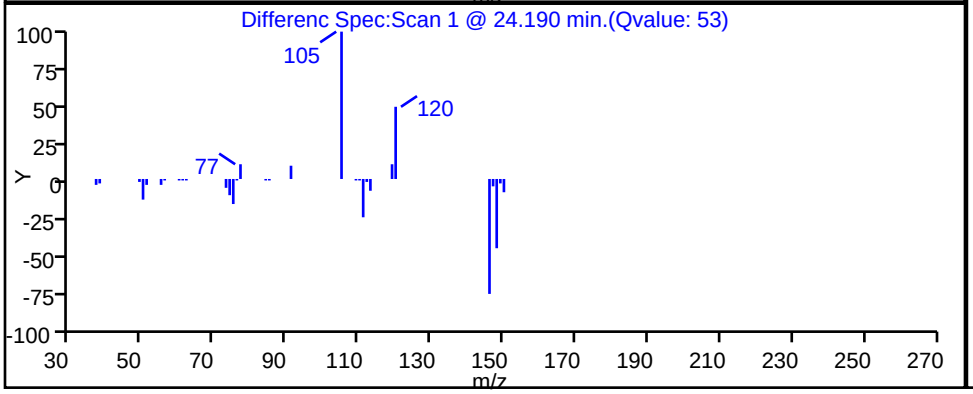












Manual Integration/User Assign Peak Report

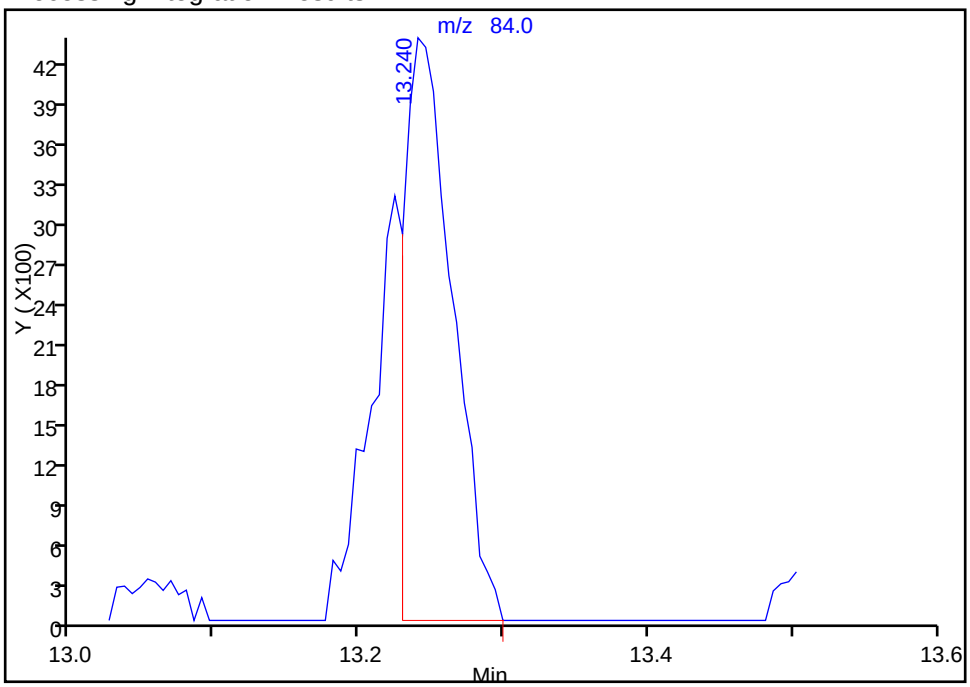
TestAmerica Burlington

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Lims ID:	280-61460-A-1	Lab Sample ID:	200-61460-1		
Client ID:	101VMP0101EA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

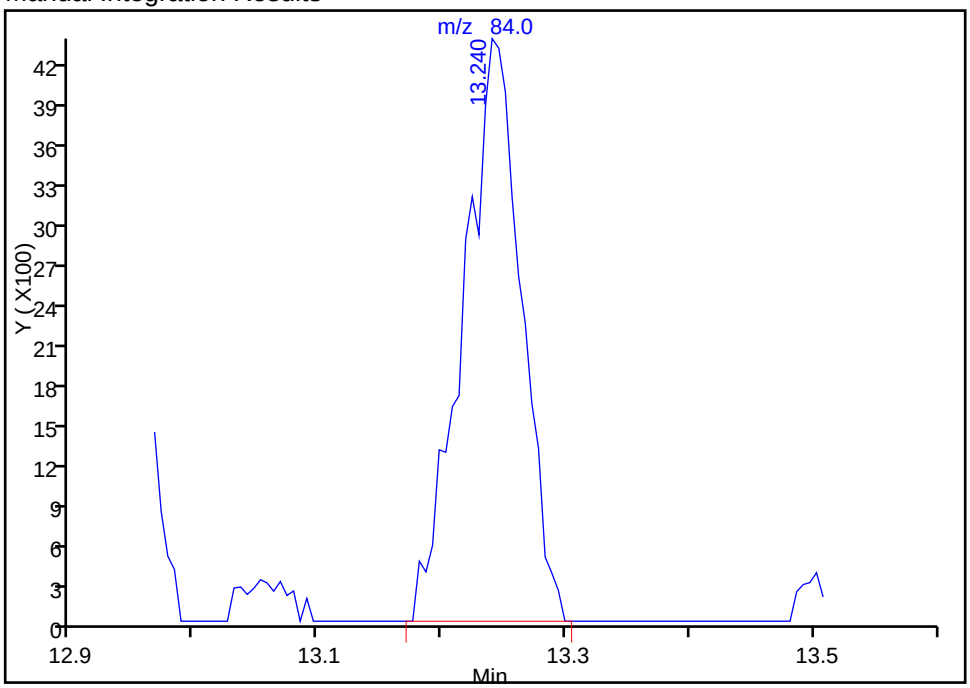
Processing Integration Results

RT: 13.24
Response: 10080
Amount: 0.110412



Manual Integration Results

RT: 13.24
Response: 14346
Amount: 0.157140



Reviewer: lyonsb, 03-Nov-2014 08:56:54
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101VMP0201EA Lab Sample ID: 280-61460-2

Matrix: Air Lab File ID: 10288_010.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:25

Sample wt/vol: 20(mL) Date Analyzed: 10/31/2014 16:23

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.0	U	5.0	0.56
75-45-6	Freon 22	86.47	0.97	J D	5.0	0.80
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.80	U	2.0	0.52
74-87-3	Chloromethane	50.49	2.0	U	5.0	0.60
106-97-8	n-Butane	58.12	2.0	U	5.0	1.8
75-01-4	Vinyl chloride	62.50	0.30	U	2.0	0.26
106-99-0	1,3-Butadiene	54.09	0.80	U	2.0	0.36
74-83-9	Bromomethane	94.94	0.80	U	2.0	0.44
75-00-3	Chloroethane	64.52	0.80	U	5.0	0.61
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.30	U	2.0	0.20
75-69-4	Trichlorofluoromethane	137.37	1.1	J D	2.0	0.45
76-13-1	Freon TF	187.38	0.80	U	2.0	0.41
75-35-4	1,1-Dichloroethene	96.94	0.30	U	2.0	0.10
67-64-1	Acetone	58.08	21	J D	50	6.9
67-63-0	Isopropyl alcohol	60.10	3.6	J D	50	1.5
75-15-0	Carbon disulfide	76.14	4.6	J D	5.0	0.30
107-05-1	3-Chloropropene	76.53	2.0	U	5.0	1.6
75-09-2	Methylene Chloride	84.93	2.0	U	5.0	1.2
75-65-0	tert-Butyl alcohol	74.12	2.0	U	50	1.2
1634-04-4	Methyl tert-butyl ether	88.15	0.30	U	2.0	0.22
156-60-5	trans-1,2-Dichloroethene	96.94	0.30	U	2.0	0.27
110-54-3	n-Hexane	86.17	0.30	U	2.0	0.28
75-34-3	1,1-Dichloroethane	98.96	0.30	U	2.0	0.28
78-93-3	Methyl Ethyl Ketone	72.11	2.0	U	5.0	0.92
156-59-2	cis-1,2-Dichloroethene	96.94	0.80	U	2.0	0.30
540-59-0	1,2-Dichloroethene, Total	96.94	0.80	U	2.0	0.53
67-66-3	Chloroform	119.38	0.80	U	2.0	0.38
109-99-9	Tetrahydrofuran	72.11	240	D	50	1.8
71-55-6	1,1,1-Trichloroethane	133.41	0.80	U	2.0	0.30
110-82-7	Cyclohexane	84.16	0.30	U	2.0	0.10
56-23-5	Carbon tetrachloride	153.81	0.30	U	2.0	0.11
540-84-1	2,2,4-Trimethylpentane	114.23	0.30	U	2.0	0.23
71-43-2	Benzene	78.11	2.6	D	2.0	0.29
107-06-2	1,2-Dichloroethane	98.96	0.80	U	2.0	0.52

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101VMP0201EA Lab Sample ID: 280-61460-2

Matrix: Air Lab File ID: 10288_010.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:25

Sample wt/vol: 20(mL) Date Analyzed: 10/31/2014 16:23

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.80	U	2.0	0.37
79-01-6	Trichloroethene	131.39	24	D	2.0	0.30
80-62-6	Methyl methacrylate	100.12	2.0	U	5.0	0.96
78-87-5	1,2-Dichloropropane	112.99	0.80	U	2.0	0.35
123-91-1	1,4-Dioxane	88.11	2.0	U	50	1.6
75-27-4	Bromodichloromethane	163.83	0.30	U	2.0	0.29
10061-01-5	cis-1,3-Dichloropropene	110.97	0.30	U	2.0	0.29
108-10-1	methyl isobutyl ketone	100.16	2.0	U	5.0	1.8
108-88-3	Toluene	92.14	140	D	2.0	0.25
10061-02-6	trans-1,3-Dichloropropene	110.97	0.30	U	2.0	0.26
79-00-5	1,1,2-Trichloroethane	133.41	0.80	U	2.0	0.37
127-18-4	Tetrachloroethene	165.83	1.5	J D	2.0	0.30
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	5.0	1.7
124-48-1	Dibromochloromethane	208.29	0.30	U	2.0	0.20
106-93-4	1,2-Dibromoethane	187.87	0.30	U	2.0	0.18
108-90-7	Chlorobenzene	112.56	0.30	U	2.0	0.18
100-41-4	Ethylbenzene	106.17	210	D	2.0	0.20
179601-23-1	m,p-Xylene	106.17	640	D	5.0	0.25
95-47-6	Xylene, o-	106.17	250	D	2.0	0.18
1330-20-7	Xylene (total)	106.17	890		2.0	0.41
100-42-5	Styrene	104.15	5.3	D M	2.0	0.16
75-25-2	Bromoform	252.75	0.30	U	2.0	0.25
98-82-8	Cumene	120.19	0.30	U	2.0	0.19
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.80	U	2.0	0.34
103-65-1	n-Propylbenzene	120.19	0.30	U	2.0	0.27
622-96-8	4-Ethyltoluene	120.20	5.3	D	2.0	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	8.0	D	2.0	0.19
95-49-8	2-Chlorotoluene	126.59	0.80	U	2.0	0.31
98-06-6	tert-Butylbenzene	134.22	0.30	U	2.0	0.20
95-63-6	1,2,4-Trimethylbenzene	120.20	14	D	2.0	0.16
135-98-8	sec-Butylbenzene	134.22	0.30	U	2.0	0.21
99-87-6	4-Isopropyltoluene	134.22	0.30	U	2.0	0.20
541-73-1	1,3-Dichlorobenzene	147.00	0.30	U	2.0	0.20
106-46-7	1,4-Dichlorobenzene	147.00	0.30	U	2.0	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101VMP0201EA Lab Sample ID: 280-61460-2

Matrix: Air Lab File ID: 10288_010.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:25

Sample wt/vol: 20(mL) Date Analyzed: 10/31/2014 16:23

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.30	U	2.0	0.18
104-51-8	n-Butylbenzene	134.22	0.30	U	2.0	0.28
95-50-1	1,2-Dichlorobenzene	147.00	0.30	U	2.0	0.18
120-82-1	1,2,4-Trichlorobenzene	181.45	0.80	U	5.0	0.34
87-68-3	Hexachlorobutadiene	260.76	0.80	U	2.0	0.36
91-20-3	Naphthalene	128.17	0.80	U	5.0	0.30

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101VMP0201EA Lab Sample ID: 280-61460-2

Matrix: Air Lab File ID: 10288_010.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:25

Sample wt/vol: 20(mL) Date Analyzed: 10/31/2014 16:23

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	9.9	U	25	2.8
75-45-6	Freon 22	86.47	3.4	J D	18	2.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	5.6	U	14	3.6
74-87-3	Chloromethane	50.49	4.1	U	10	1.2
106-97-8	n-Butane	58.12	4.8	U	12	4.3
75-01-4	Vinyl chloride	62.50	0.77	U	5.1	0.66
106-99-0	1,3-Butadiene	54.09	1.8	U	4.4	0.80
74-83-9	Bromomethane	94.94	3.1	U	7.8	1.7
75-00-3	Chloroethane	64.52	2.1	U	13	1.6
593-60-2	Bromoethene(Vinyl Bromide)	106.96	1.3	U	8.7	0.87
75-69-4	Trichlorofluoromethane	137.37	6.0	J D	11	2.5
76-13-1	Freon TF	187.38	6.1	U	15	3.1
75-35-4	1,1-Dichloroethene	96.94	1.2	U	7.9	0.40
67-64-1	Acetone	58.08	51	J D	120	16
67-63-0	Isopropyl alcohol	60.10	8.8	J D	120	3.7
75-15-0	Carbon disulfide	76.14	14	J D	16	0.93
107-05-1	3-Chloropropene	76.53	6.3	U	16	5.0
75-09-2	Methylene Chloride	84.93	6.9	U	17	4.2
75-65-0	tert-Butyl alcohol	74.12	6.1	U	150	3.6
1634-04-4	Methyl tert-butyl ether	88.15	1.1	U	7.2	0.79
156-60-5	trans-1,2-Dichloroethene	96.94	1.2	U	7.9	1.1
110-54-3	n-Hexane	86.17	1.1	U	7.0	0.99
75-34-3	1,1-Dichloroethane	98.96	1.2	U	8.1	1.1
78-93-3	Methyl Ethyl Ketone	72.11	5.9	U	15	2.7
156-59-2	cis-1,2-Dichloroethene	96.94	3.2	U	7.9	1.2
540-59-0	1,2-Dichloroethene, Total	96.94	3.2	U	7.9	2.1
67-66-3	Chloroform	119.38	3.9	U	9.8	1.9
109-99-9	Tetrahydrofuran	72.11	700	D	150	5.3
71-55-6	1,1,1-Trichloroethane	133.41	4.4	U	11	1.6
110-82-7	Cyclohexane	84.16	1.0	U	6.9	0.34
56-23-5	Carbon tetrachloride	153.81	1.9	U	13	0.69
540-84-1	2,2,4-Trimethylpentane	114.23	1.4	U	9.3	1.1
71-43-2	Benzene	78.11	8.2	D	6.4	0.93
107-06-2	1,2-Dichloroethane	98.96	3.2	U	8.1	2.1

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101VMP0201EA Lab Sample ID: 280-61460-2

Matrix: Air Lab File ID: 10288_010.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:25

Sample wt/vol: 20(mL) Date Analyzed: 10/31/2014 16:23

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	3.3	U	8.2	1.5
79-01-6	Trichloroethene	131.39	130	D	11	1.6
80-62-6	Methyl methacrylate	100.12	8.2	U	20	3.9
78-87-5	1,2-Dichloropropane	112.99	3.7	U	9.2	1.6
123-91-1	1,4-Dioxane	88.11	7.2	U	180	5.8
75-27-4	Bromodichloromethane	163.83	2.0	U	13	1.9
10061-01-5	cis-1,3-Dichloropropene	110.97	1.4	U	9.1	1.3
108-10-1	methyl isobutyl ketone	100.16	8.2	U	20	7.4
108-88-3	Toluene	92.14	540	D	7.5	0.94
10061-02-6	trans-1,3-Dichloropropene	110.97	1.4	U	9.1	1.2
79-00-5	1,1,2-Trichloroethane	133.41	4.4	U	11	2.0
127-18-4	Tetrachloroethene	165.83	10	J D	14	2.0
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	8.2	U	20	7.0
124-48-1	Dibromochloromethane	208.29	2.6	U	17	1.7
106-93-4	1,2-Dibromoethane	187.87	2.3	U	15	1.4
108-90-7	Chlorobenzene	112.56	1.4	U	9.2	0.83
100-41-4	Ethylbenzene	106.17	910	D	8.7	0.87
179601-23-1	m,p-Xylene	106.17	2800	D	22	1.1
95-47-6	Xylene, o-	106.17	1100	D	8.7	0.78
1330-20-7	Xylene (total)	106.17	3900		8.7	1.8
100-42-5	Styrene	104.15	22	D M	8.5	0.68
75-25-2	Bromoform	252.75	3.1	U	21	2.6
98-82-8	Cumene	120.19	1.5	U	9.8	0.93
79-34-5	1,1,2,2-Tetrachloroethane	167.85	5.5	U	14	2.3
103-65-1	n-Propylbenzene	120.19	1.5	U	9.8	1.3
622-96-8	4-Ethyltoluene	120.20	26	D	9.8	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	39	D	9.8	0.93
95-49-8	2-Chlorotoluene	126.59	4.1	U	10	1.6
98-06-6	tert-Butylbenzene	134.22	1.6	U	11	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	68	D	9.8	0.79
135-98-8	sec-Butylbenzene	134.22	1.6	U	11	1.2
99-87-6	4-Isopropyltoluene	134.22	1.6	U	11	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.8	U	12	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.8	U	12	1.1

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101VMP0201EA Lab Sample ID: 280-61460-2

Matrix: Air Lab File ID: 10288_010.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:25

Sample wt/vol: 20(mL) Date Analyzed: 10/31/2014 16:23

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	1.6	U	10	0.93
104-51-8	n-Butylbenzene	134.22	1.6	U	11	1.5
95-50-1	1,2-Dichlorobenzene	147.00	1.8	U	12	1.1
120-82-1	1,2,4-Trichlorobenzene	181.45	5.9	U	37	2.5
87-68-3	Hexachlorobutadiene	260.76	8.5	U	21	3.8
91-20-3	Naphthalene	128.17	4.2	U	26	1.6

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_010.d
Lims ID: 280-61460-A-2 Lab Sample ID: 200-61460-2
Client ID: 101VMP0201EA
Sample Type: Client
Inject. Date: 31-Oct-2014 16:23:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 10.0000
Sample Info: 200-0010288-010
Misc. Info.: 280-61460-a-2
Operator ID: BPL Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 03-Nov-2014 09:12:42 Calib Date: 30-Oct-2014 19:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: lyonsb Date: 03-Nov-2014 09:01:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.467	4.483	-0.016	48	8233	0.0495	
6 Chlorodifluoromethane	51	4.531	4.547	-0.016	96	7478	0.0975	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.831				ND	
8 Chloromethane	50		5.029				ND	
9 Butane	43		5.291				ND	
10 Vinyl chloride	62		5.350				ND	
11 Butadiene	54		5.446				ND	
12 Bromomethane	94		6.307				ND	
14 Chloroethane	64		6.591				ND	
16 Vinyl bromide	106		7.067				ND	
17 Trichlorofluoromethane	101	7.174	7.184	-0.010	97	17725	0.1070	
23 1,1,2-Trichloro-1,2,2-trif	101		8.426				ND	
24 1,1-Dichloroethene	96		8.500				ND	
25 Acetone	43	8.731	8.731	0.000	91	143897	2.13	
26 Carbon disulfide	76	8.982	8.987	-0.005	98	73758	0.4627	
27 Isopropyl alcohol	45	9.009	9.025	-0.016	96	19387	0.3580	
29 3-Chloro-1-propene	41		9.383				ND	
31 Methylene Chloride	49		9.715				ND	
32 2-Methyl-2-propanol	59		9.891				ND	
33 Methyl tert-butyl ether	73		10.138				ND	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
34 trans-1,2-Dichloroethene	61		10.212				ND	
36 Hexane	57		10.630				ND	
37 1,1-Dichloroethane	63		11.175				ND	
39 cis-1,2-Dichloroethene	96		12.352				ND	
40 2-Butanone (MEK)	72		12.358				ND	
44 Tetrahydrofuran	42	12.818	12.828	-0.010	83	1096245	23.6	
* 43 Chlorobromomethane	128	12.834	12.834	0.000	76	562545	10.0	
45 Chloroform	83		12.941				ND	
46 Cyclohexane	84		13.240				ND	
47 1,1,1-Trichloroethane	97		13.251				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		13.508				ND	
51 Isooctane	57		13.898				ND	
50 Benzene	78	13.952	13.957	-0.005	92	49657	0.2556	
52 1,2-Dichloroethane	62		14.118				ND	
53 n-Heptane	43		14.246				ND	
* 54 1,4-Difluorobenzene	114	14.712	14.717	-0.005	91	2613077	10.0	
56 Trichloroethene	95	15.182	15.182	0.000	90	209755	2.38	
58 1,2-Dichloropropane	63		15.696				ND	
59 Methyl methacrylate	69	15.771	15.781	-0.010	83	2228	0.0359	
60 1,4-Dioxane	88		15.872				ND	
62 Dichlorobromomethane	83		16.193				ND	
64 cis-1,3-Dichloropropene	75		17.055				ND	
65 4-Methyl-2-pentanone (MIBK	43	17.285	17.285	0.000	95	7999	0.0820	
66 Toluene	92	17.616	17.627	-0.011	93	2058259	14.4	
70 trans-1,3-Dichloropropene	75		18.157				ND	
71 1,1,2-Trichloroethane	83		18.526				ND	
72 Tetrachloroethene	166	18.660	18.665	-0.005	93	23682	0.1534	
73 2-Hexanone	43		18.906				ND	
74 Chlorodibromomethane	129		19.280				ND	
75 Ethylene Dibromide	107		19.564				ND	
S 82 Xylenes, Total	106				0		88.9	
* 76 Chlorobenzene-d5	117	20.409	20.409	0.000	86	2365067	10.0	
77 Chlorobenzene	112		20.468				ND	
78 Ethylbenzene	91	20.575	20.580	-0.005	95	6345272	20.9	
80 m-Xylene & p-Xylene	106	20.794	20.794	0.000	96	8392438	64.3	
83 o-Xylene	106	21.511	21.511	0.000	97	3159187	24.6	
84 Styrene	104	21.543	21.548	-0.005	95	101950	0.5279	M
85 Bromoform	173		21.934				ND	
86 Isopropylbenzene	105		22.078				ND	
$ 87 4-Bromofluorobenzene	95	22.415	22.415	0.000	96	1454529	NC	
88 1,1,2,2-Tetrachloroethane	83		22.640				ND	
90 N-Propylbenzene	91		22.709				ND	
91 4-Ethyltoluene	105	22.875	22.881	-0.005	99	199852	0.5269	
92 2-Chlorotoluene	91		22.913				ND	
94 1,3,5-Trimethylbenzene	105	22.966	22.971	-0.005	95	253716	0.7980	
96 tert-Butylbenzene	119		23.448				ND	
97 1,2,4-Trimethylbenzene	105	23.533	23.539	-0.005	96	442524	1.39	
98 sec-Butylbenzene	105		23.774				ND	
99 4-Isopropyltoluene	119		23.977				ND	
100 1,3-Dichlorobenzene	146		24.047				ND	
101 1,4-Dichlorobenzene	146		24.197				ND	
102 Benzyl chloride	91		24.400				ND	
103 n-Butylbenzene	91		24.614				ND	
105 1,2-Dichlorobenzene	146		24.796				ND	
107 1,2,4-Trichlorobenzene	180		27.674				ND	
108 Hexachlorobutadiene	225		27.872				ND	
109 Naphthalene	128		28.257				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

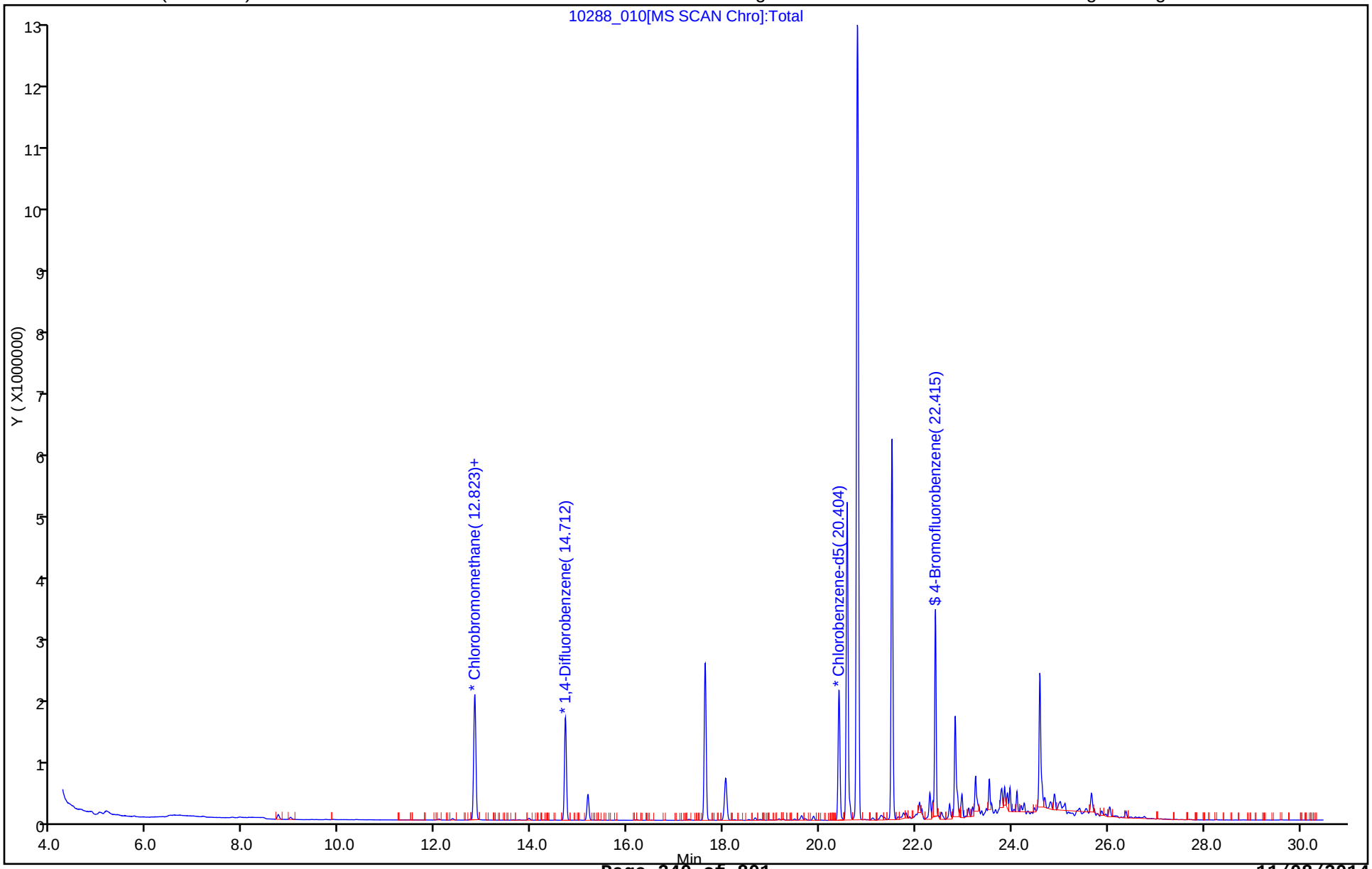
Report Date: 03-Nov-2014 09:12:47 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_010.d

Injection Date:	31-Oct-2014 16:23:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	280-61460-A-2	Lab Sample ID:	200-61460-2	Worklist Smp#:	10
Client ID:	101VMP0201EA				
Purge Vol:	200.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	9
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



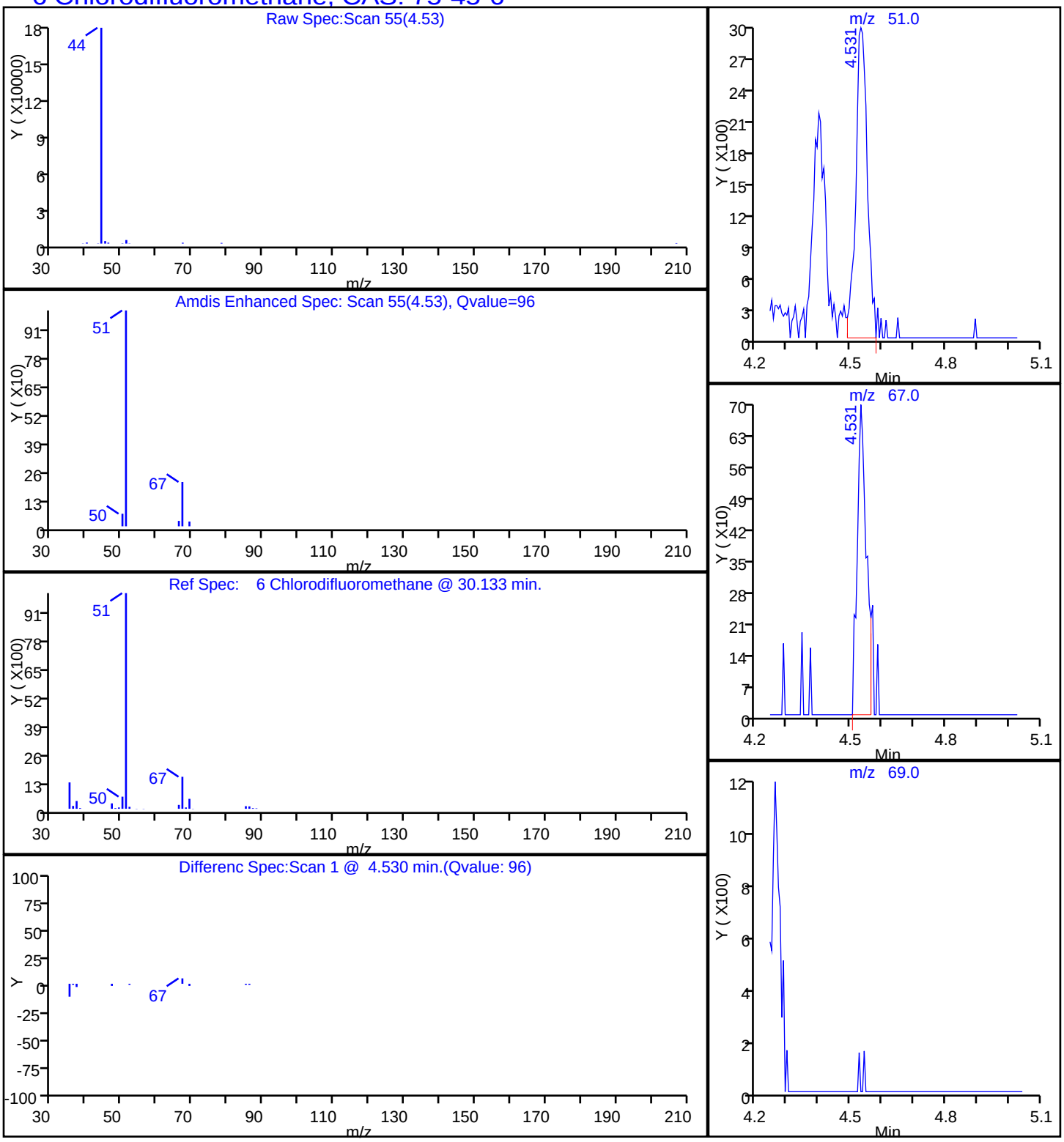
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TestAmerica Burlington

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Injection Date:	31-Oct-2014 16:23:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-2	Lab Sample ID:	200-61460-2		
Client ID:	101VMP0201EA				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



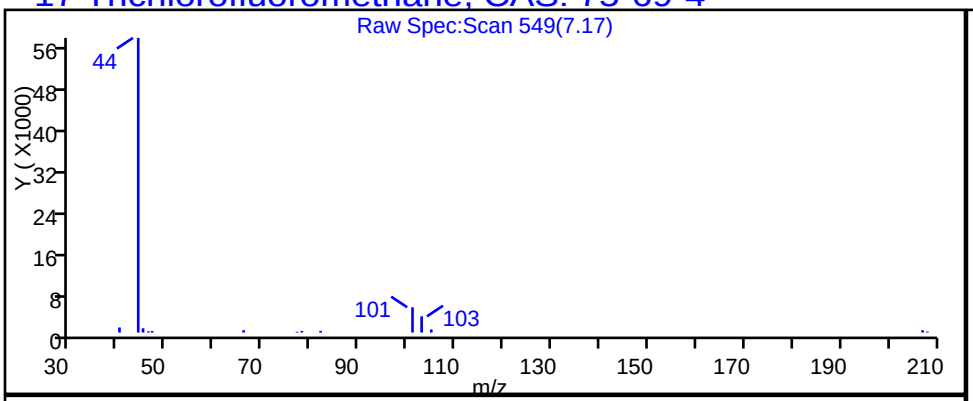
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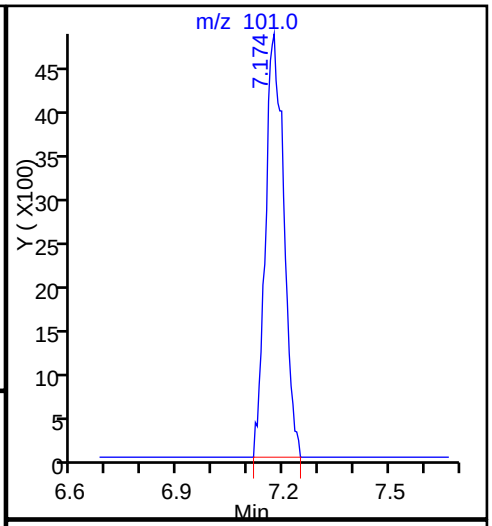
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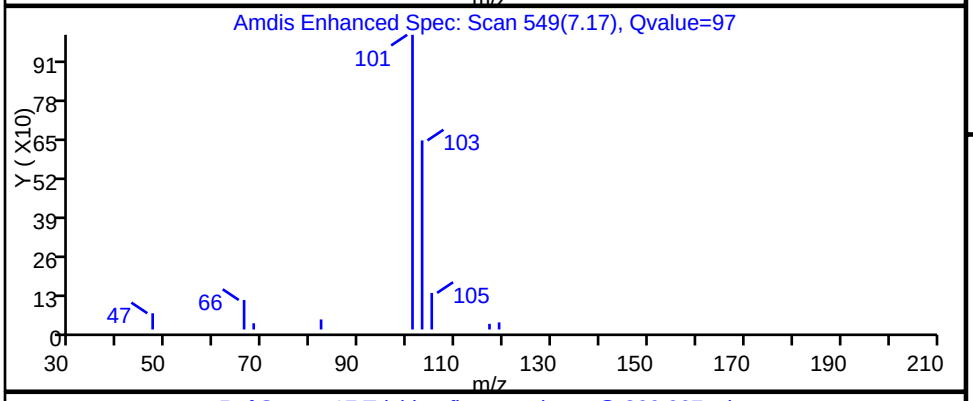
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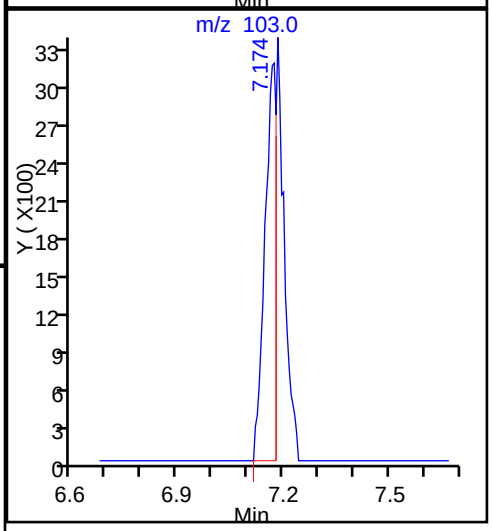
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Lims ID:	280-61460-A-2	Lab Sample ID:	200-61460-2		
Client ID:	101VMP0201EA				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

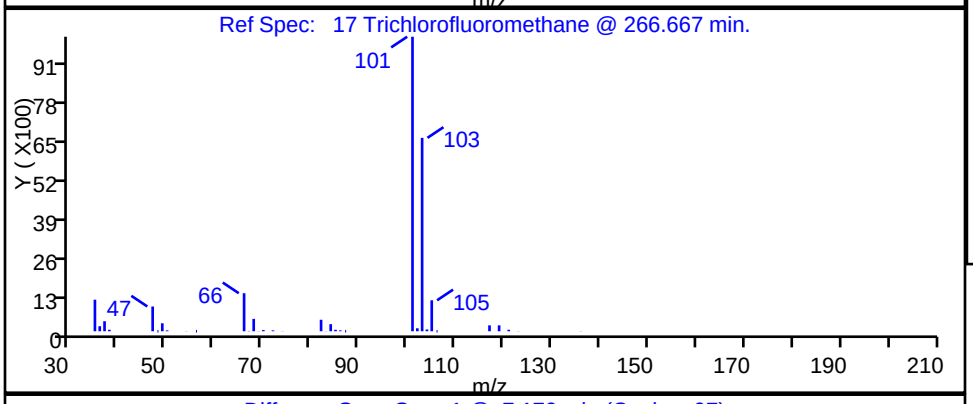
17 Trichlorofluoromethane, CAS: 75-69-4

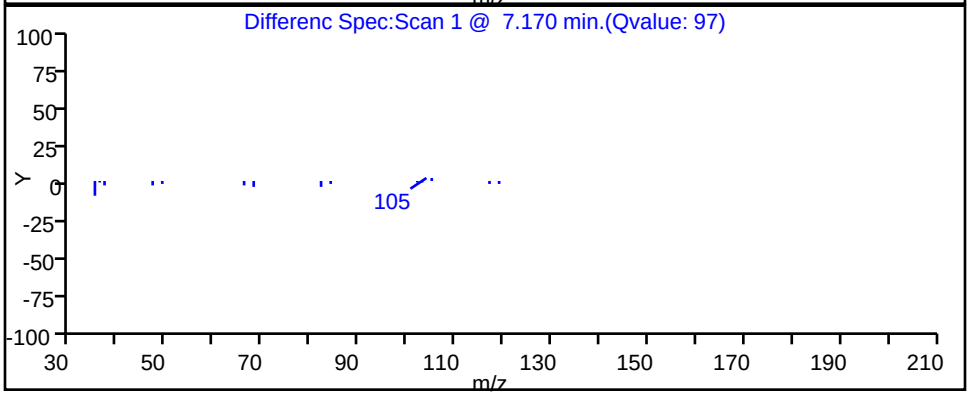










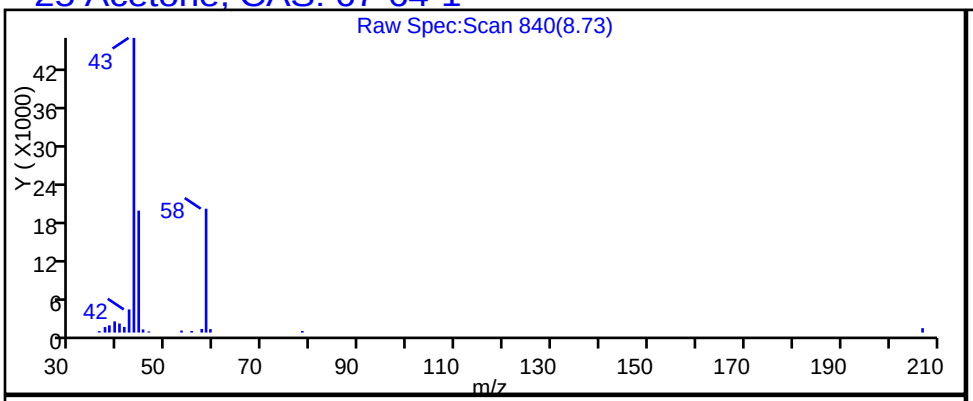


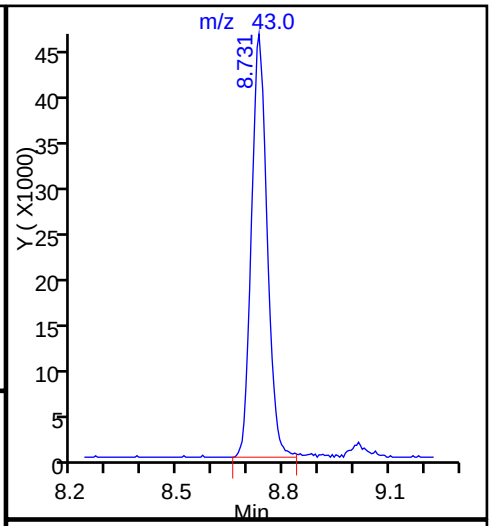
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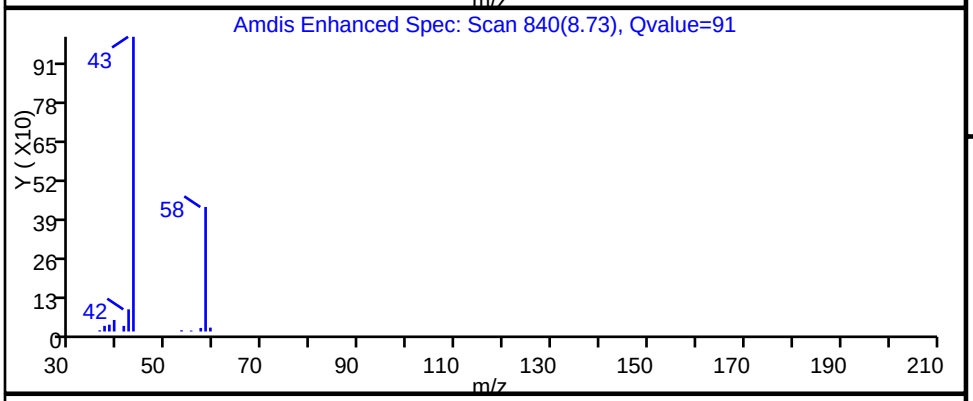
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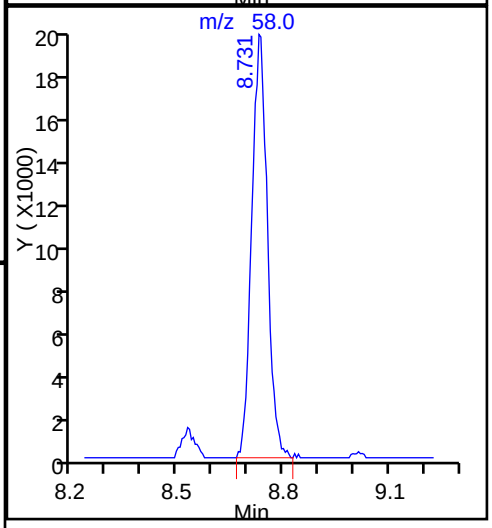
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Injection Date:	31-Oct-2014 16:23:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-2	Lab Sample ID:	200-61460-2		
Client ID:	101VMP0201EA				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

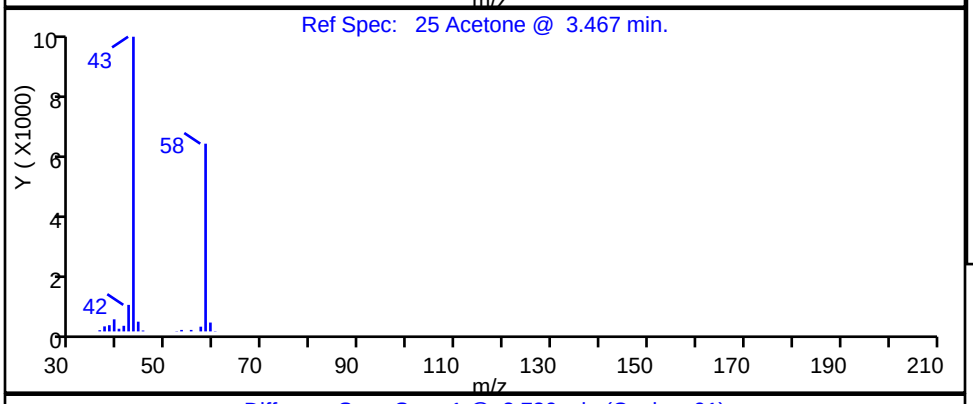
25 Acetone, CAS: 67-64-1

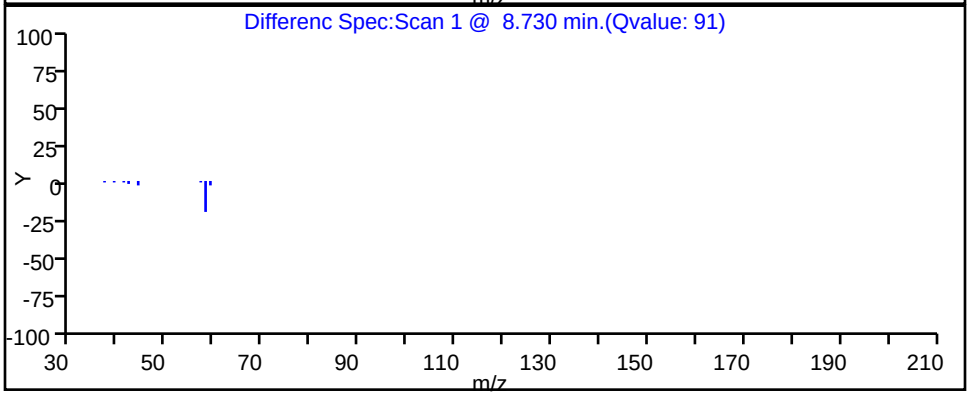












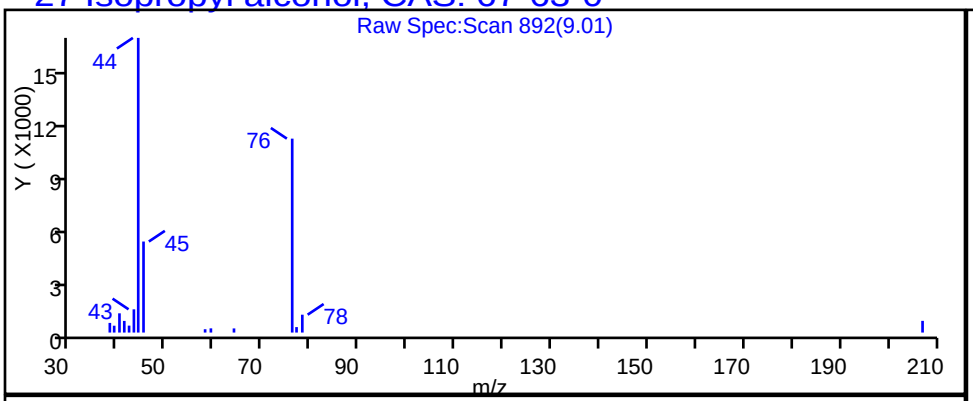
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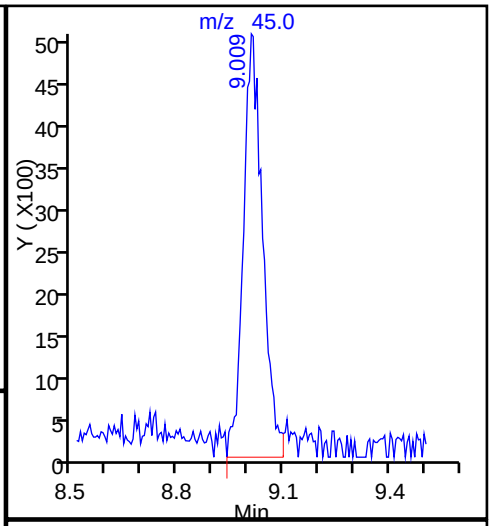
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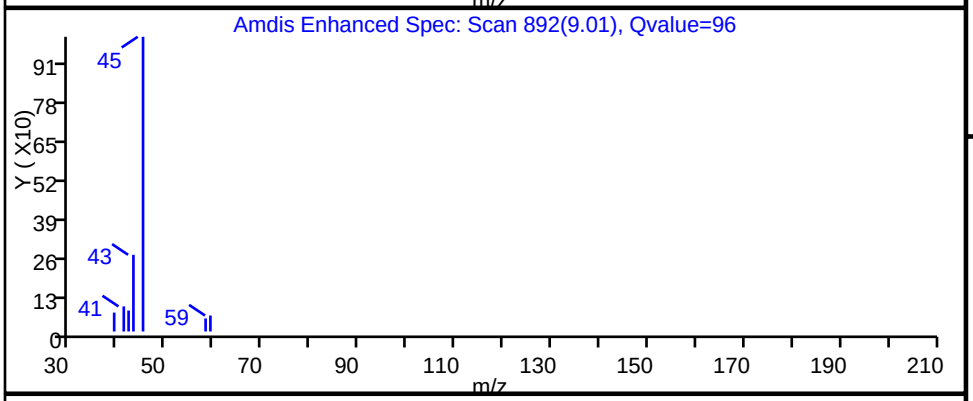
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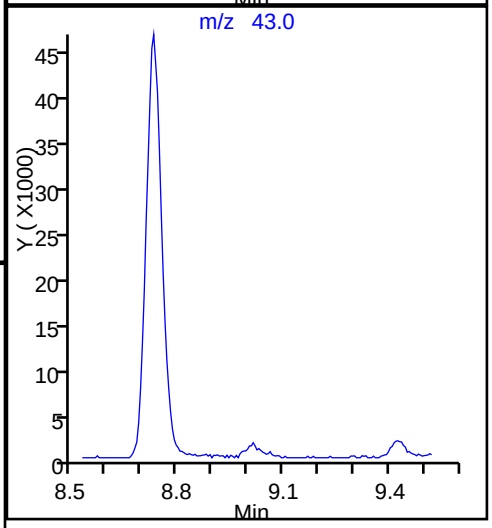
Injection Date:	31-Oct-2014 16:23:30	Instrument ID:	CHW.i
Lims ID:	280-61460-A-2	Lab Sample ID:	200-61460-2
Client ID:	101VMP0201EA		
Operator ID:	BPL	ALS Bottle#:	9 Worklist Smp#: 10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

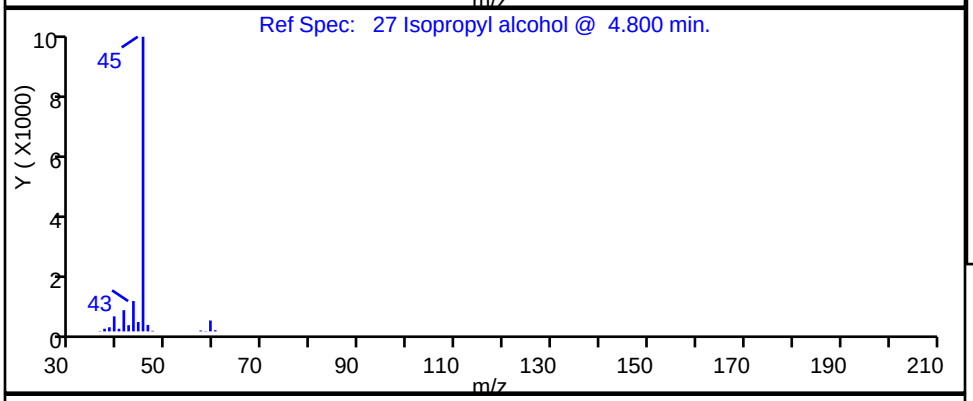
27 Isopropyl alcohol, CAS: 67-63-0

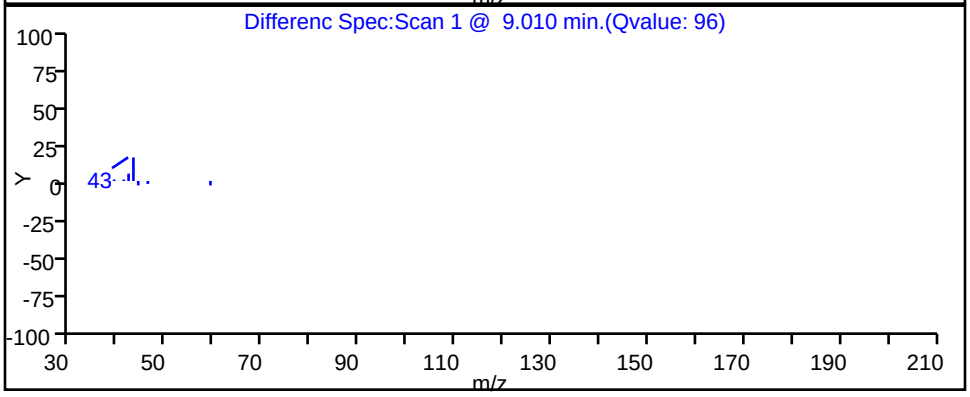












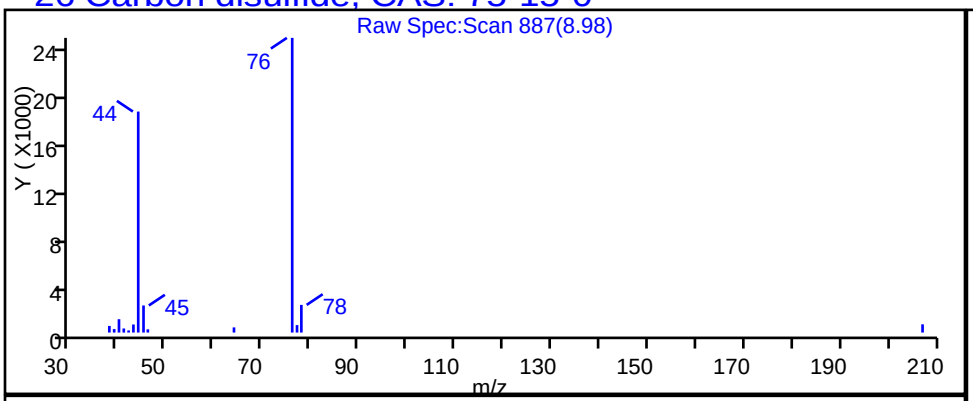
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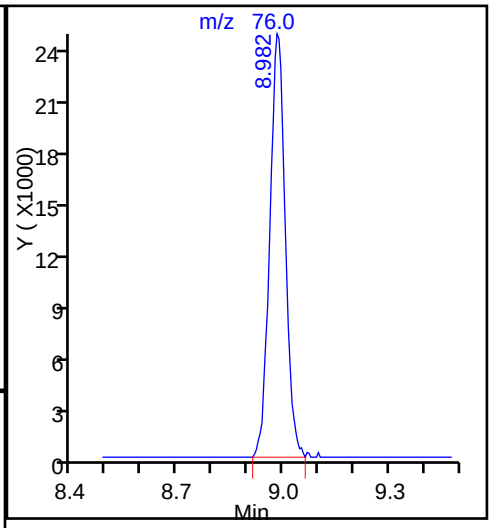
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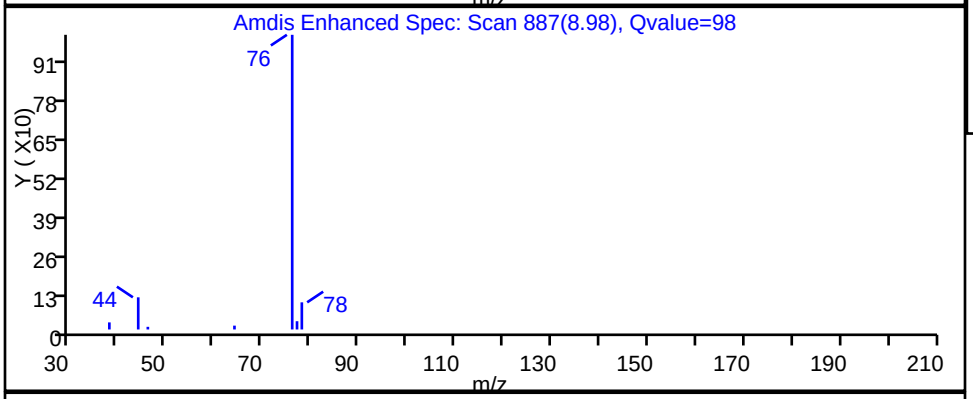
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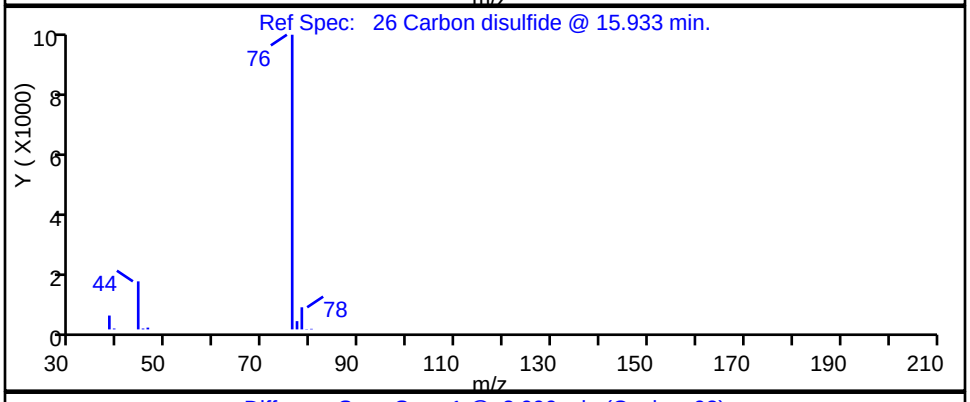
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Lims ID:	280-61460-A-2	Lab Sample ID:	200-61460-2		
Client ID:	101VMP0201EA				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

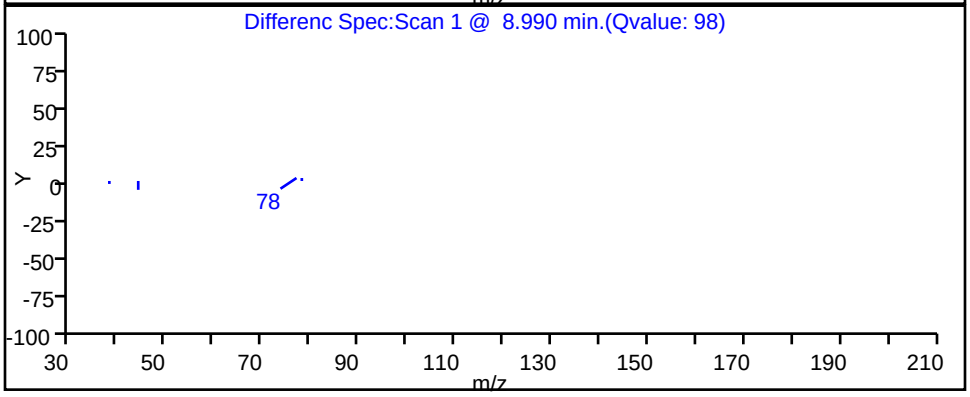
26 Carbon disulfide, CAS: 75-15-0











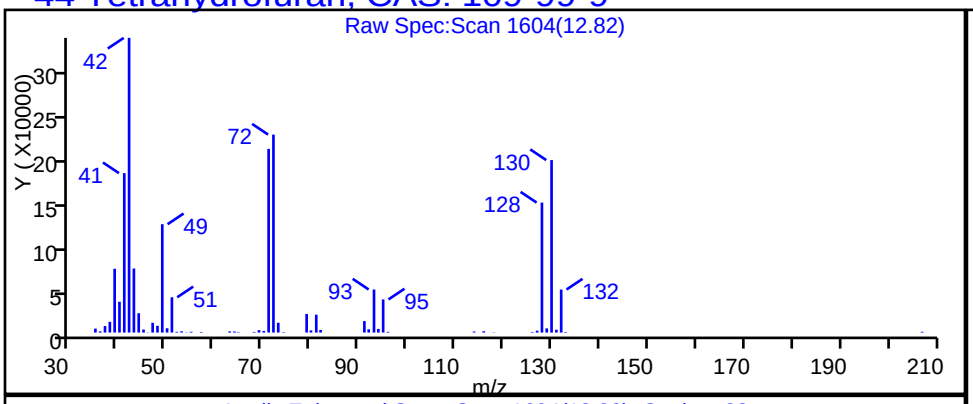
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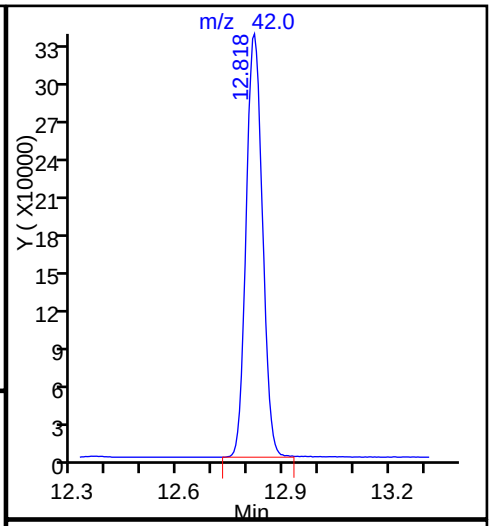
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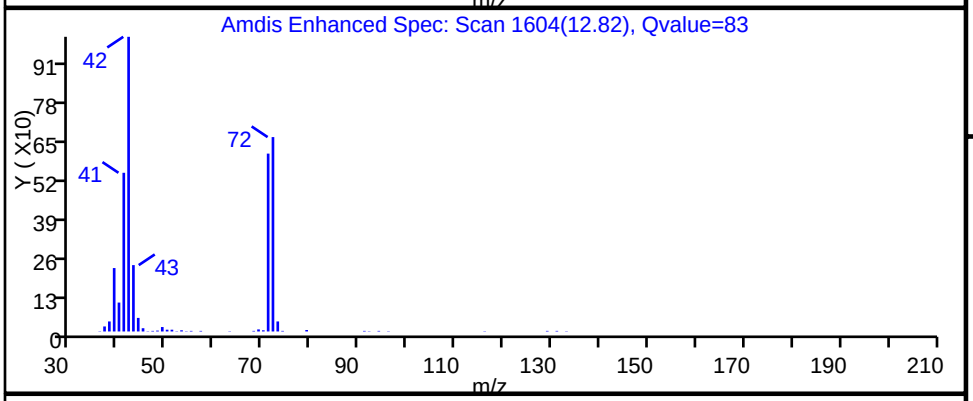
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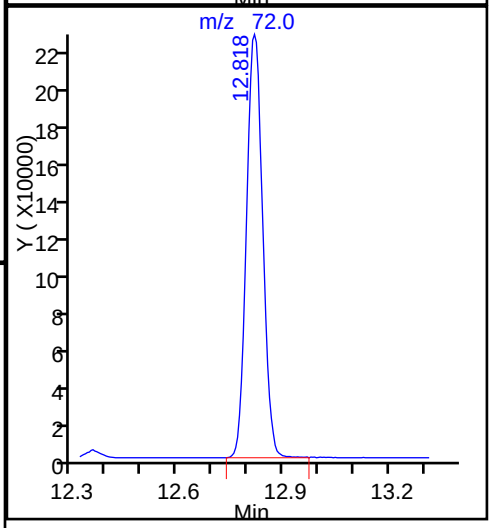
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Lims ID:	280-61460-A-2	Lab Sample ID:	200-61460-2
Client ID:	101VMP0201EA		
Operator ID:	BPL	ALS Bottle#:	9 Worklist Smp#: 10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

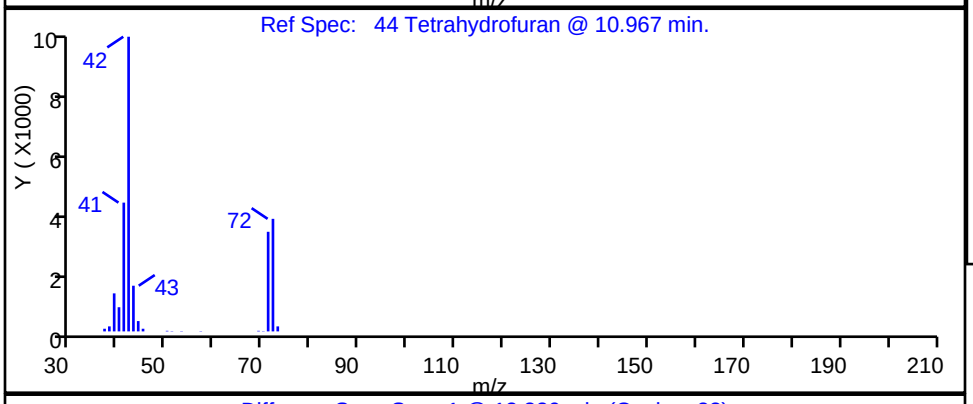
44 Tetrahydrofuran, CAS: 109-99-9

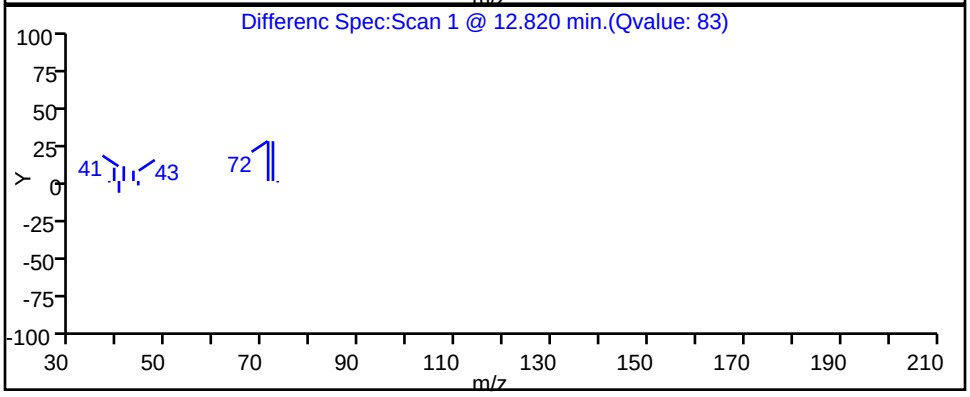












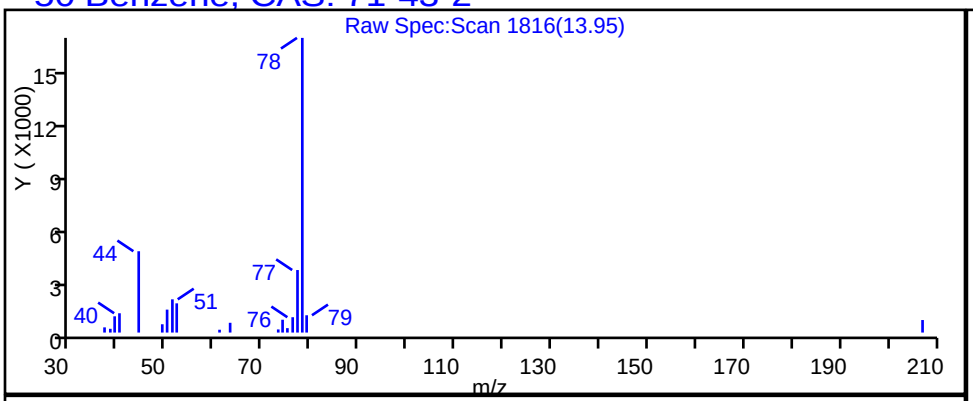
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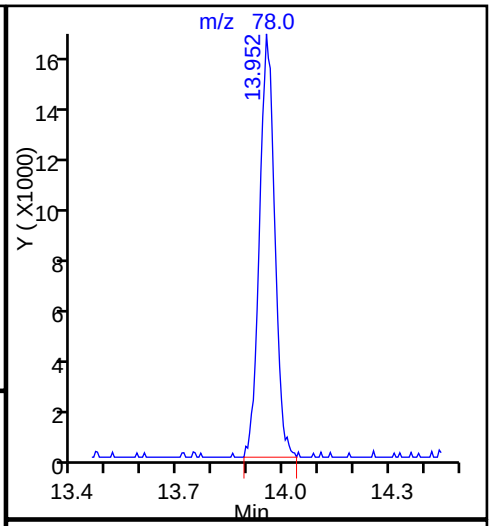
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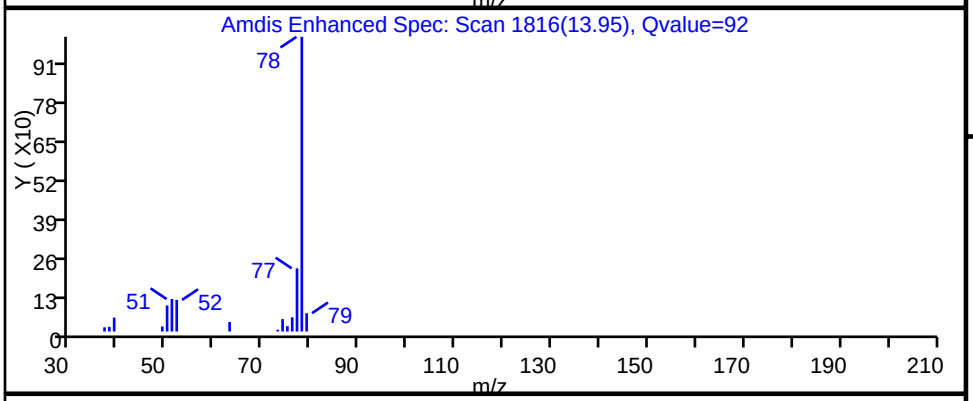
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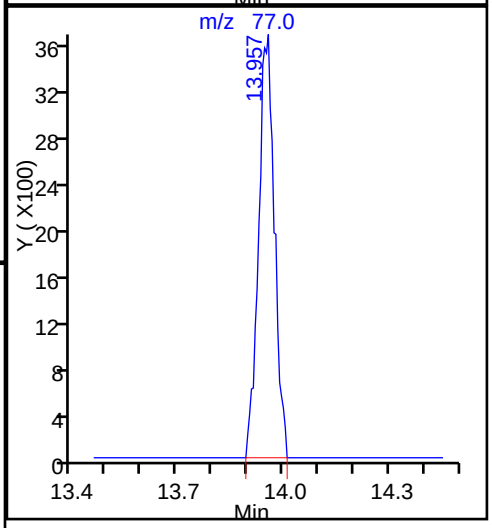
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Lims ID:	280-61460-A-2	Lab Sample ID:	200-61460-2		
Client ID:	101VMP0201EA				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

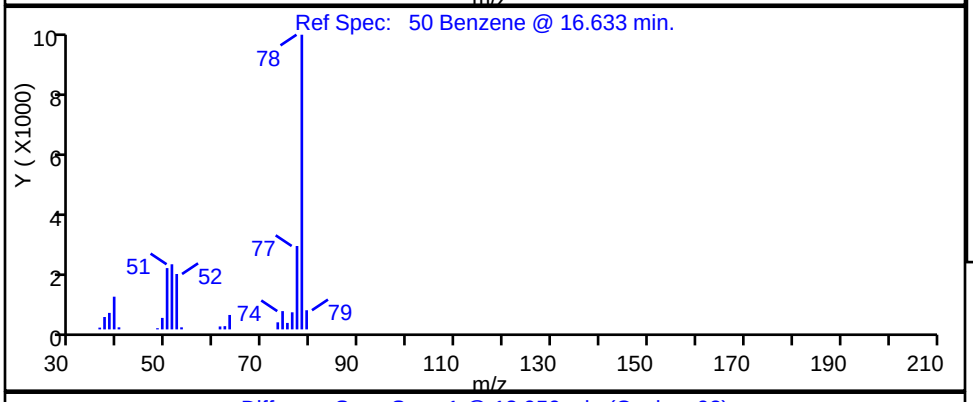
50 Benzene, CAS: 71-43-2

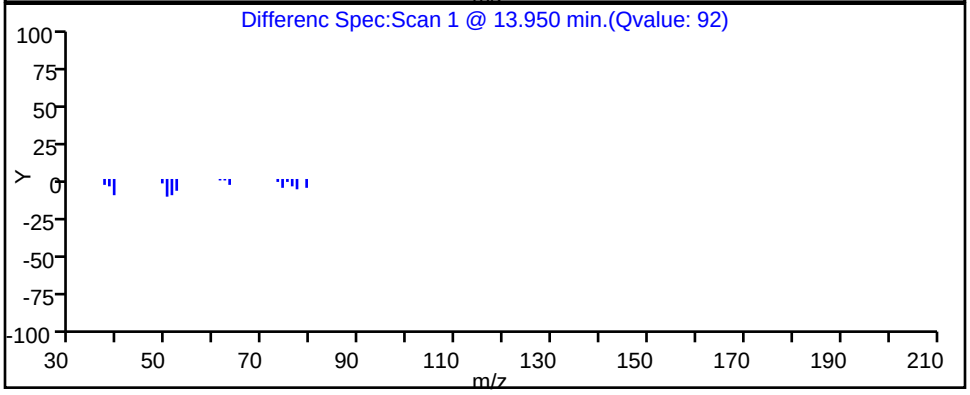












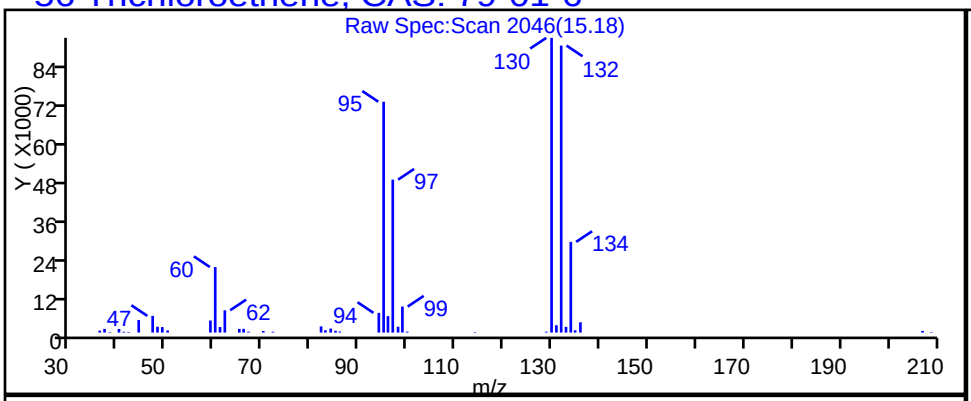
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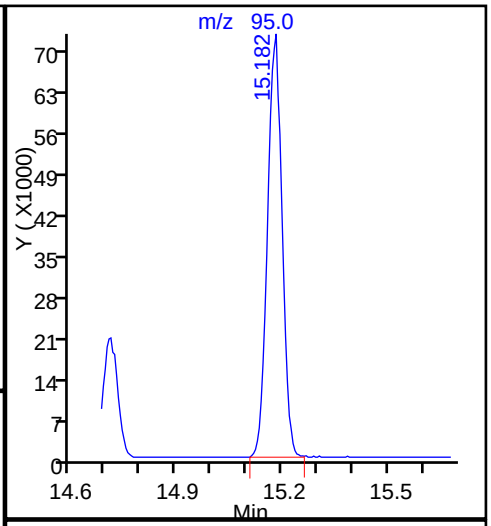
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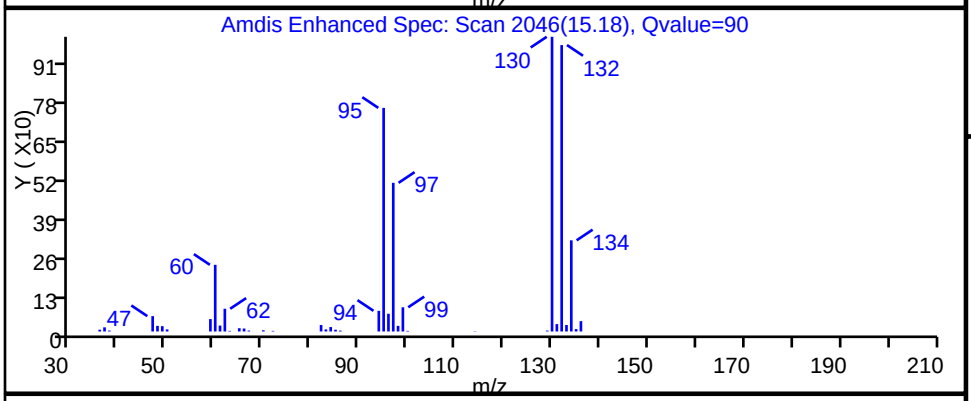
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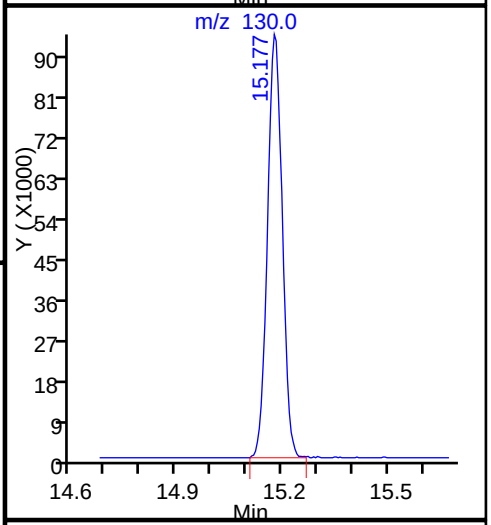
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Purge Vol:	200.000 mL	Dil. Factor:	10.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

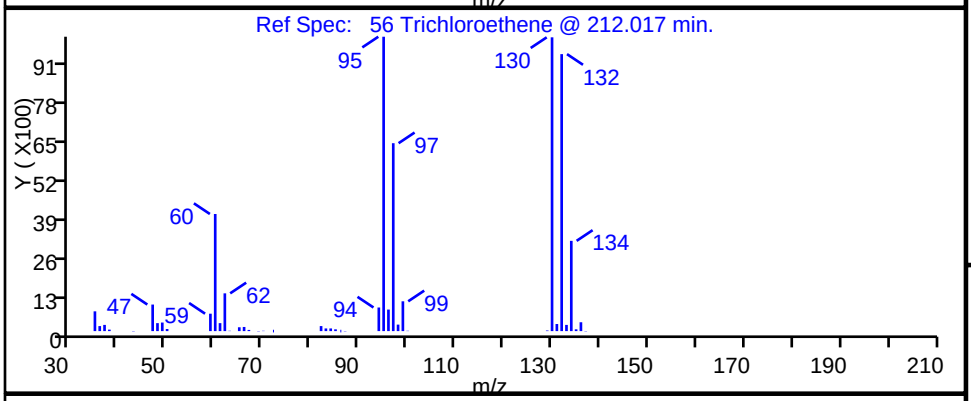
56 Trichloroethene, CAS: 79-01-6

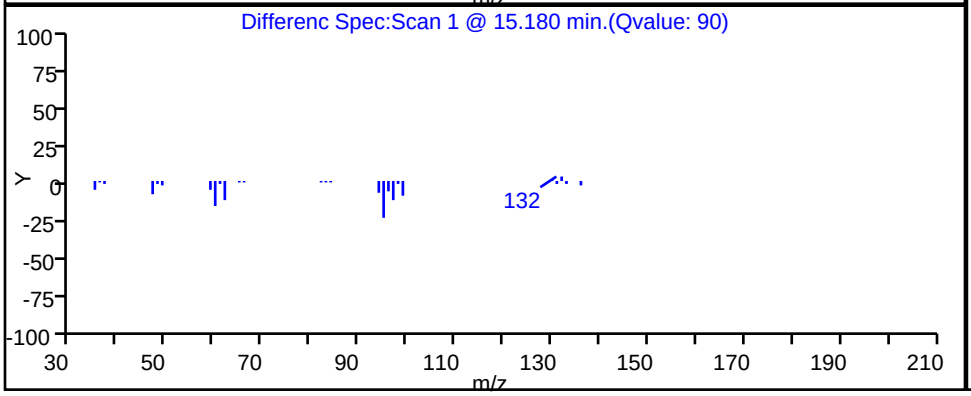


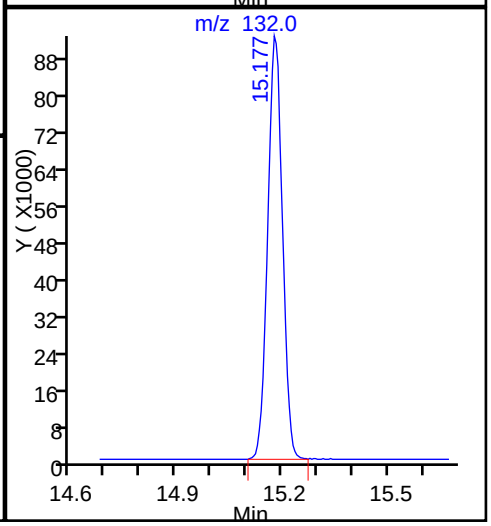












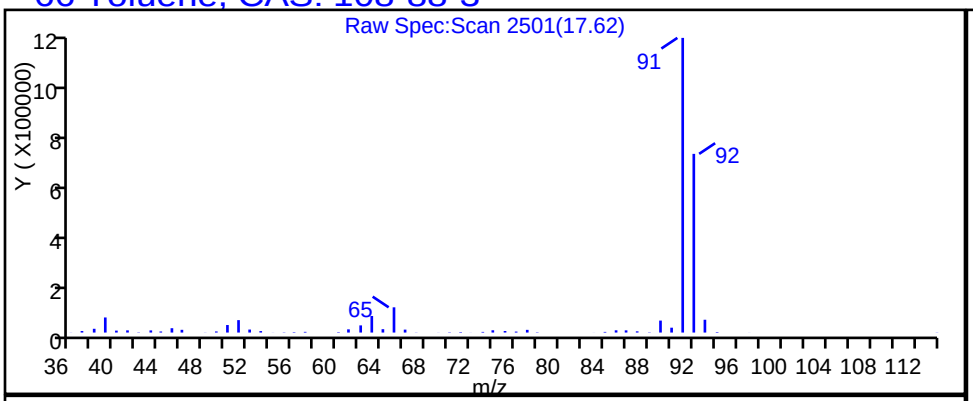
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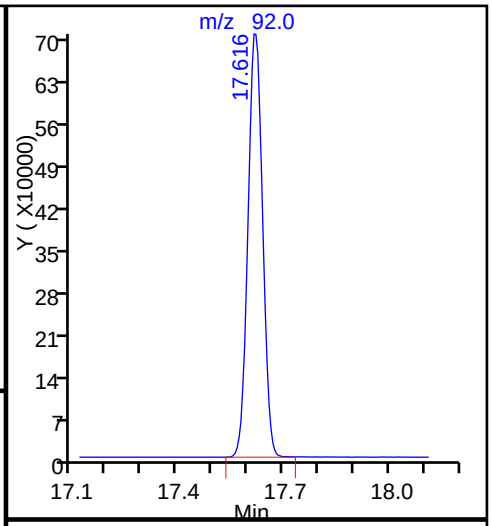
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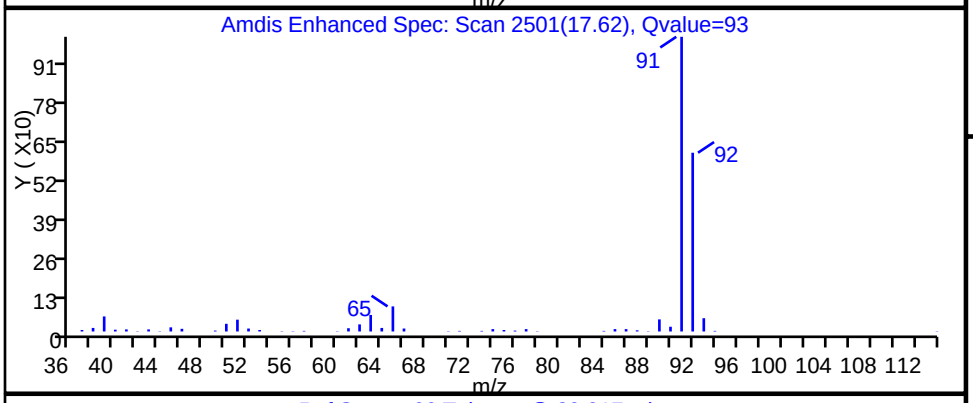
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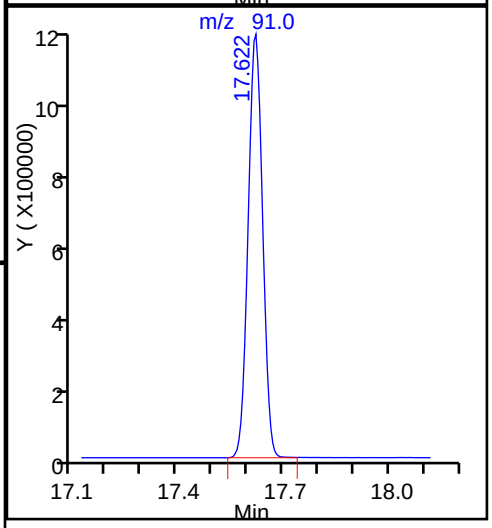
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Lims ID:	280-61460-A-2	Lab Sample ID:	200-61460-2		
Client ID:	101VMP0201EA				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

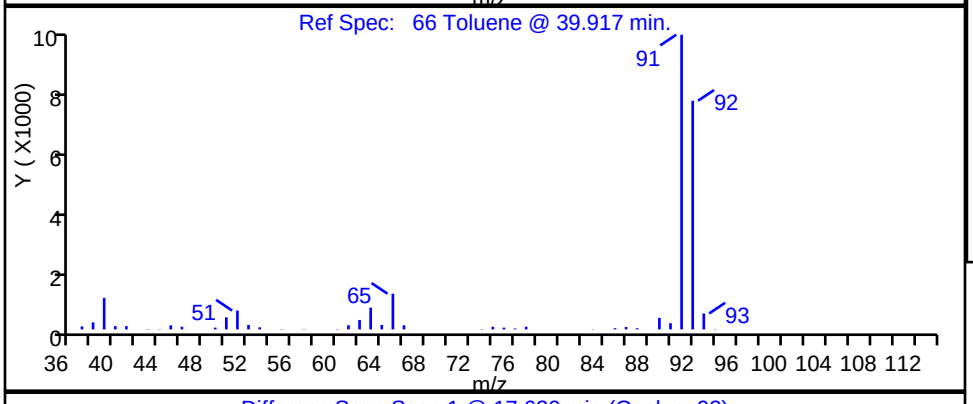
66 Toluene, CAS: 108-88-3

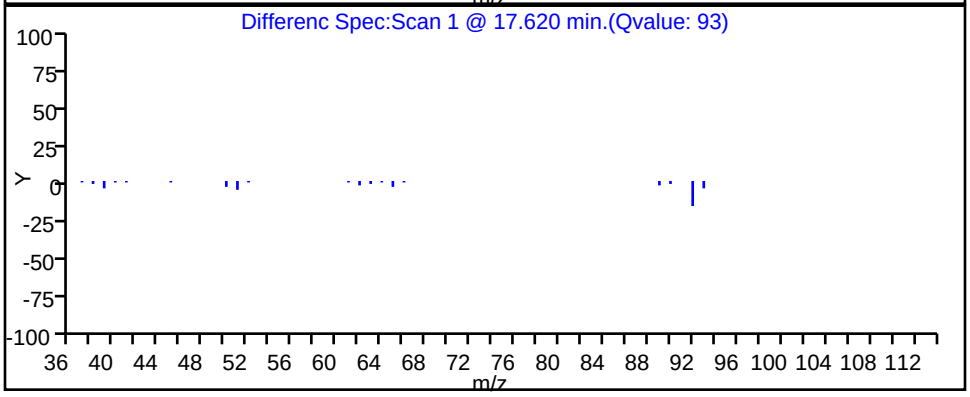












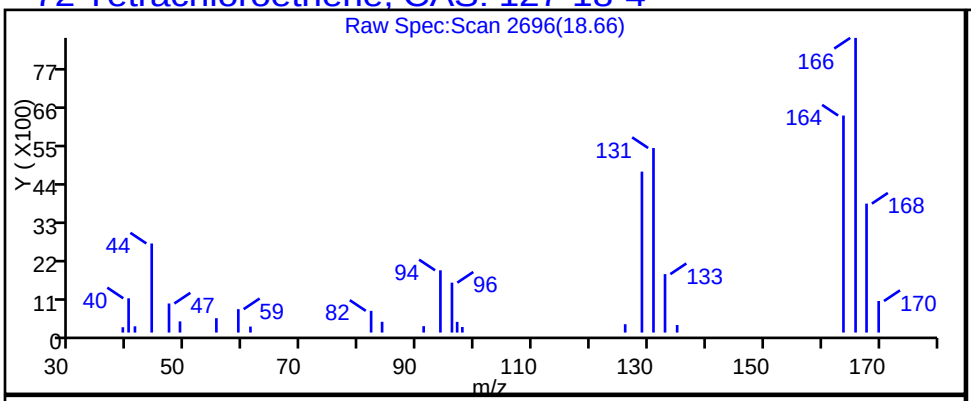
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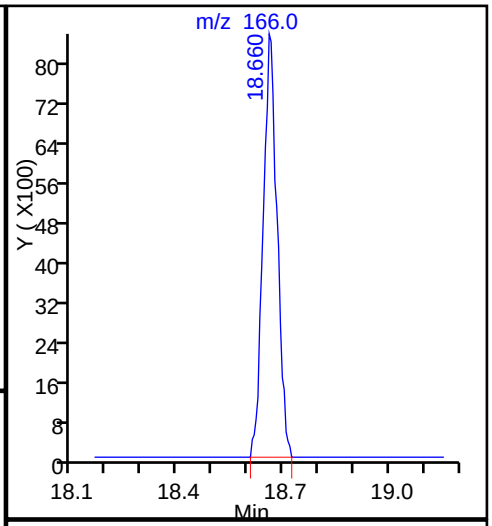
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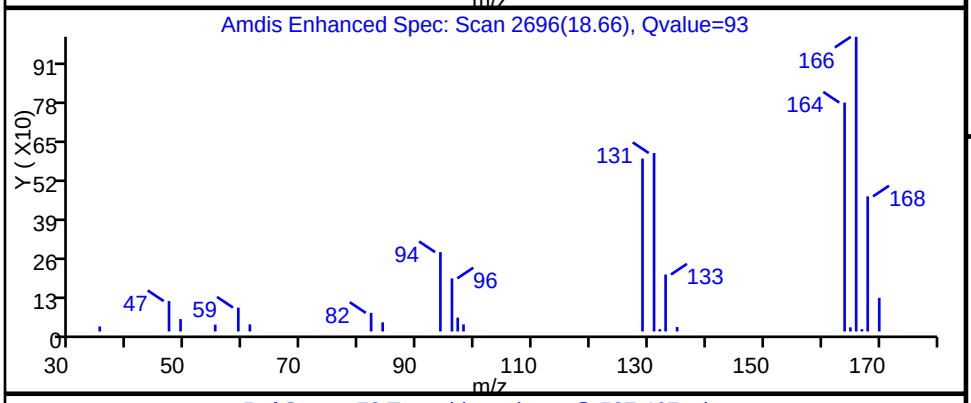
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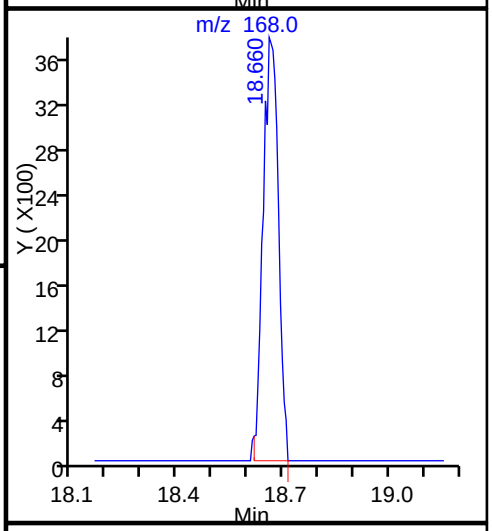
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Client ID:	101VMP0201EA		
Operator ID:	BPL	ALS Bottle#:	9 Worklist Smp#: 10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

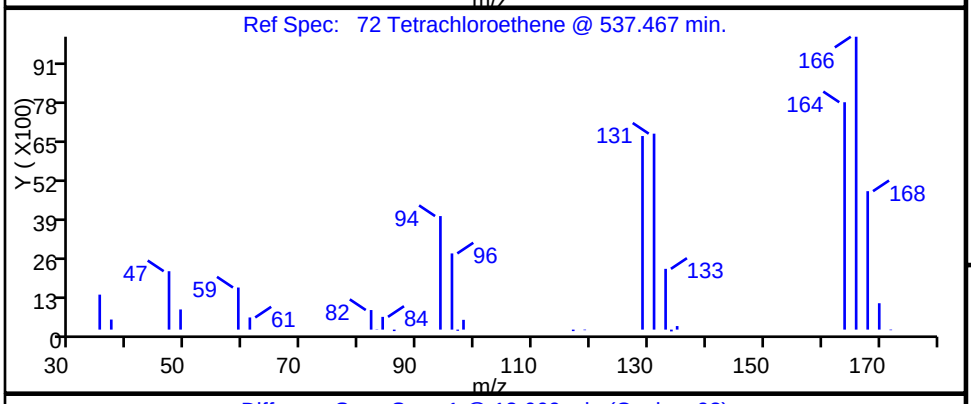
72 Tetrachloroethene, CAS: 127-18-4

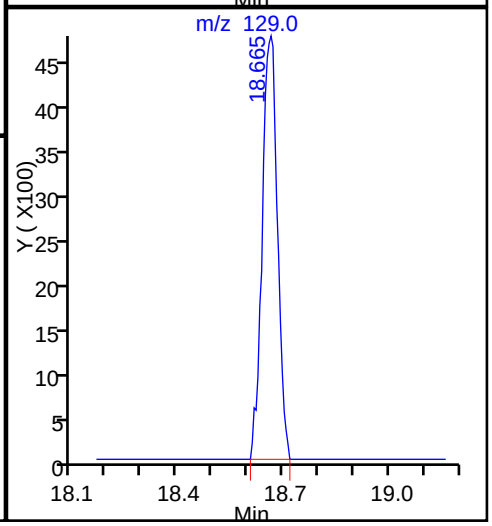


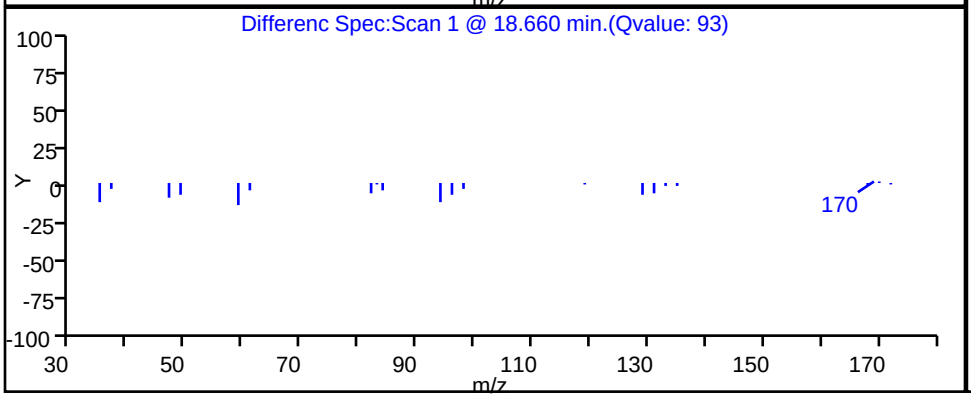












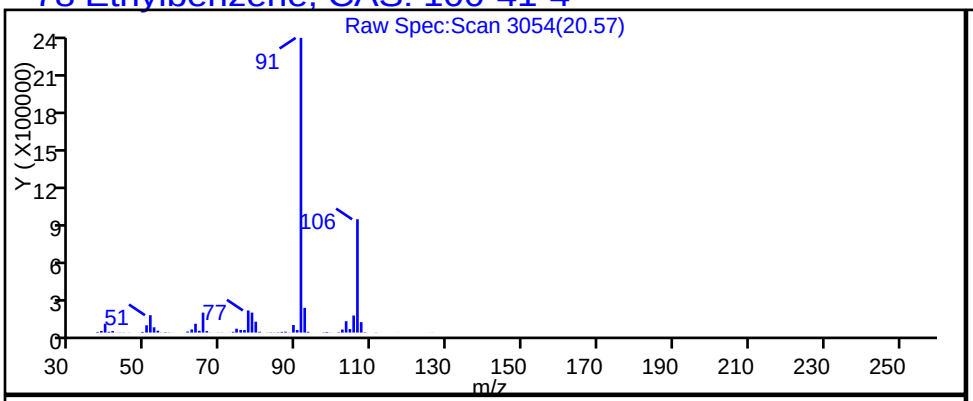
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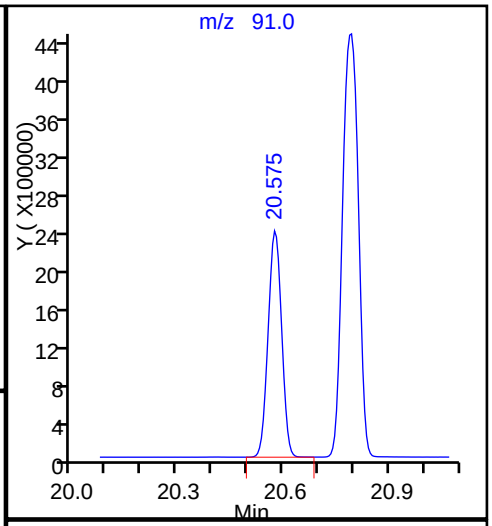
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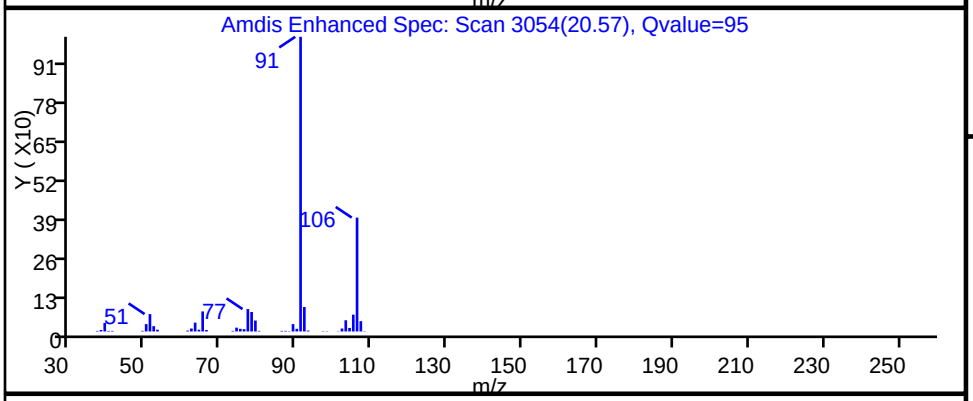
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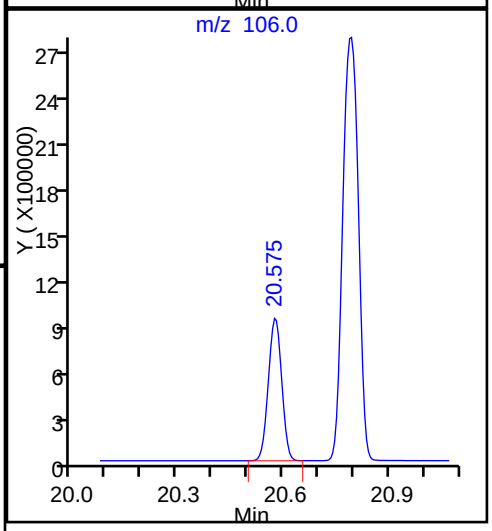
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Lims ID:	280-61460-A-2	Lab Sample ID:	200-61460-2		
Client ID:	101VMP0201EA				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

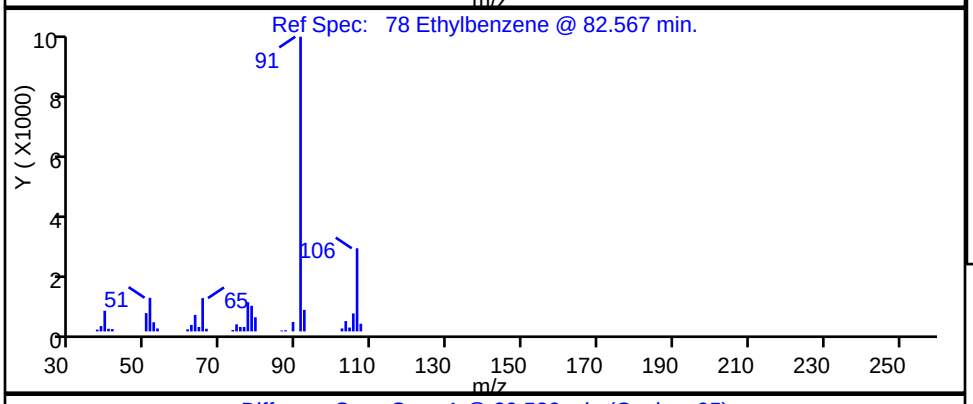
78 Ethylbenzene, CAS: 100-41-4

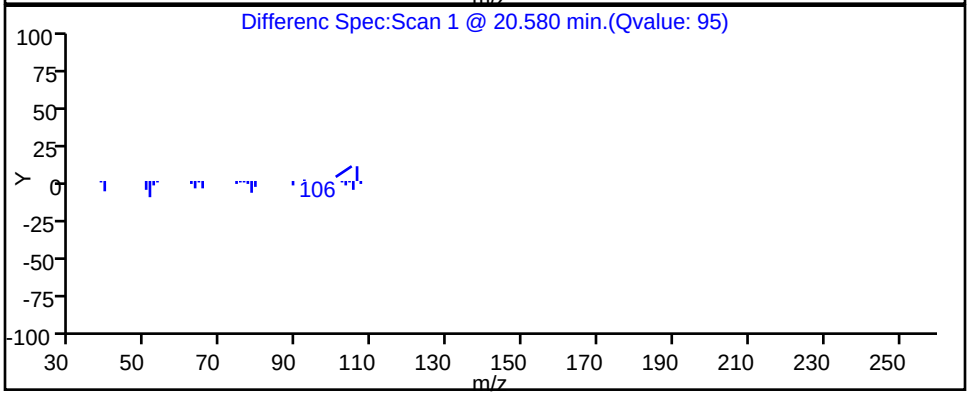










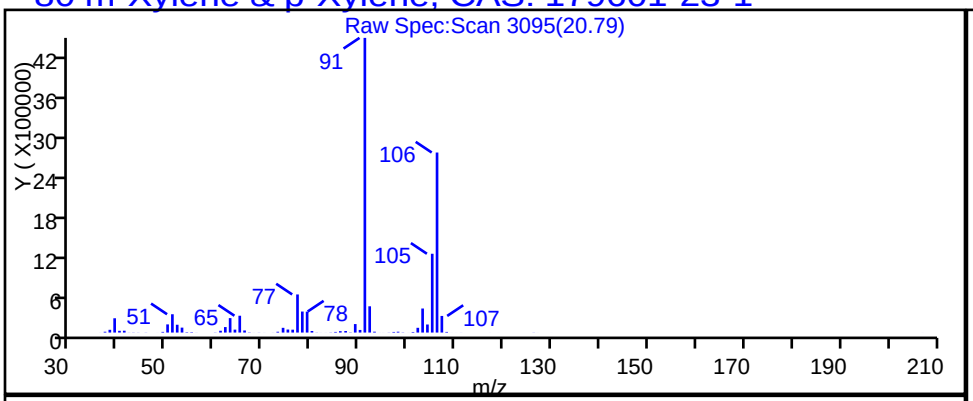


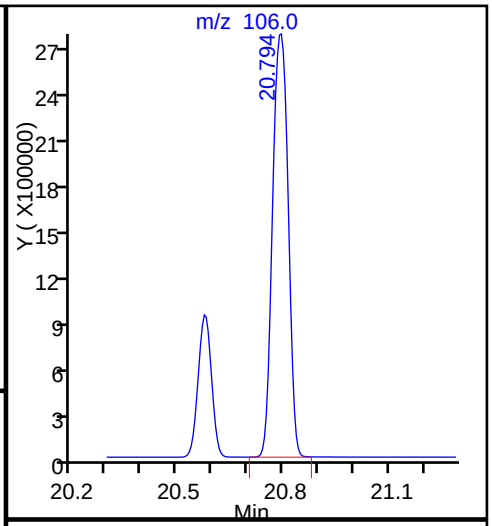
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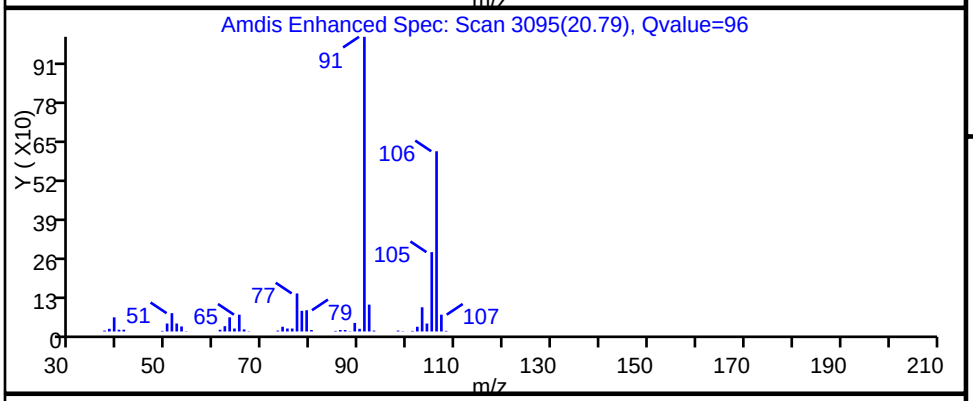
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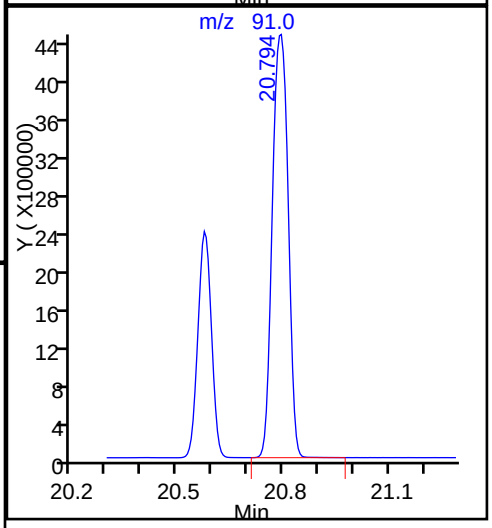
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Lims ID:	280-61460-A-2	Lab Sample ID:	200-61460-2		
Client ID:	101VMP0201EA				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

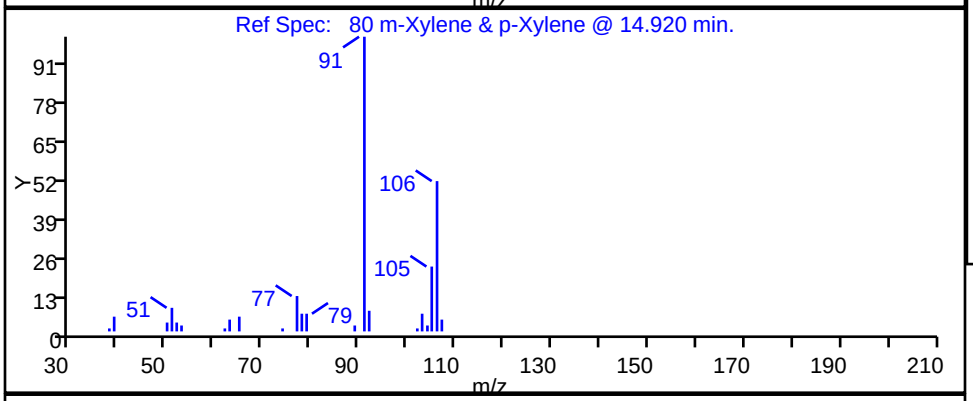
80 m-Xylene & p-Xylene, CAS: 179601-23-1

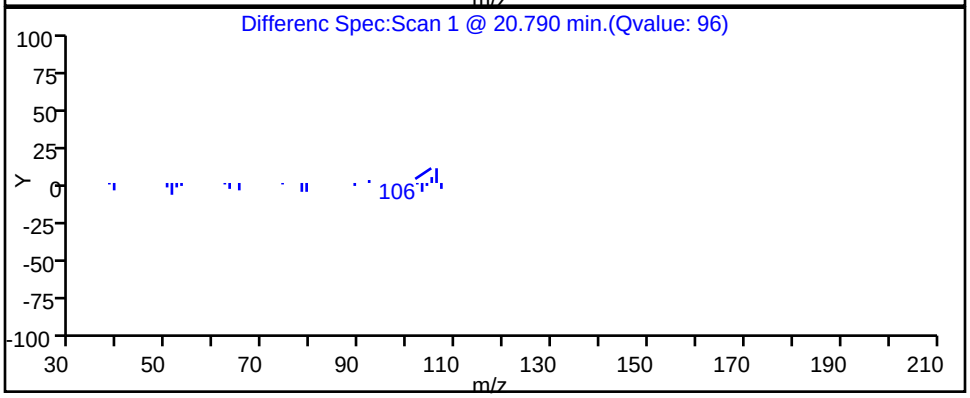












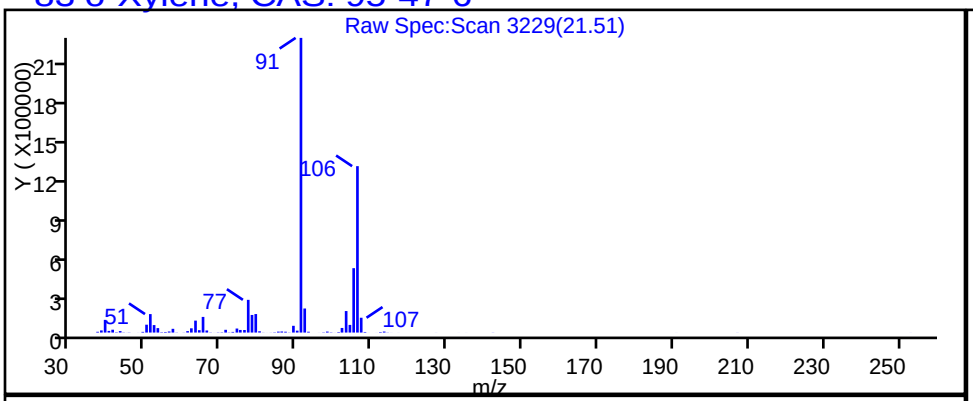
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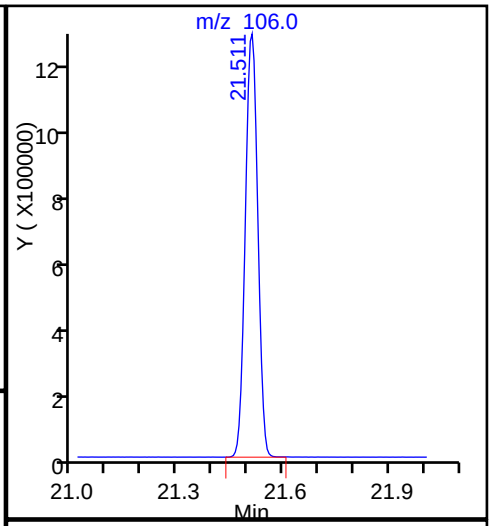
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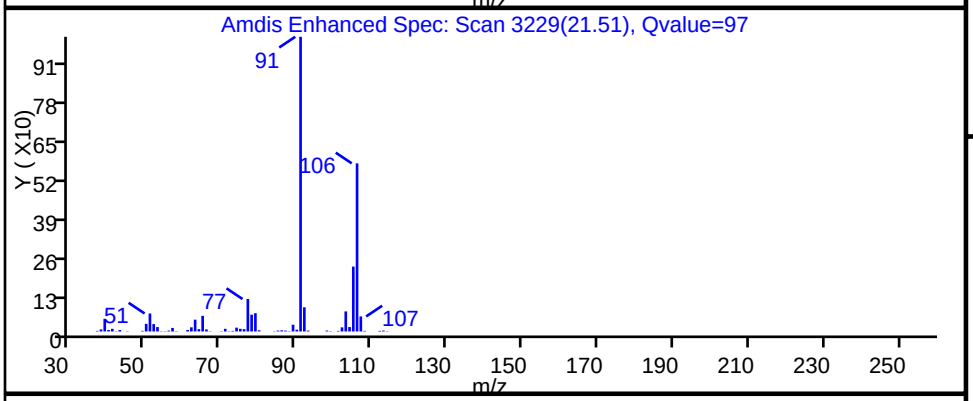
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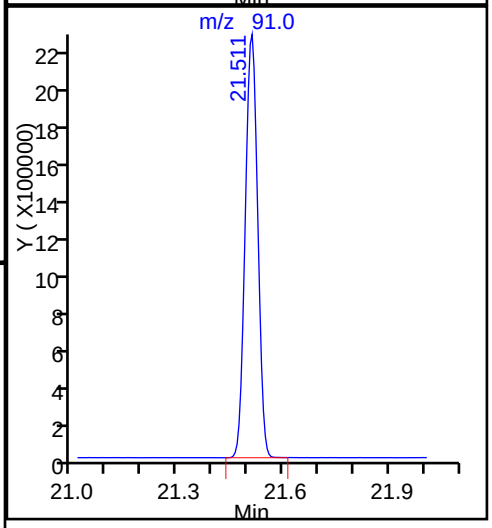
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Lims ID:	280-61460-A-2	Lab Sample ID:	200-61460-2		
Client ID:	101VMP0201EA				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

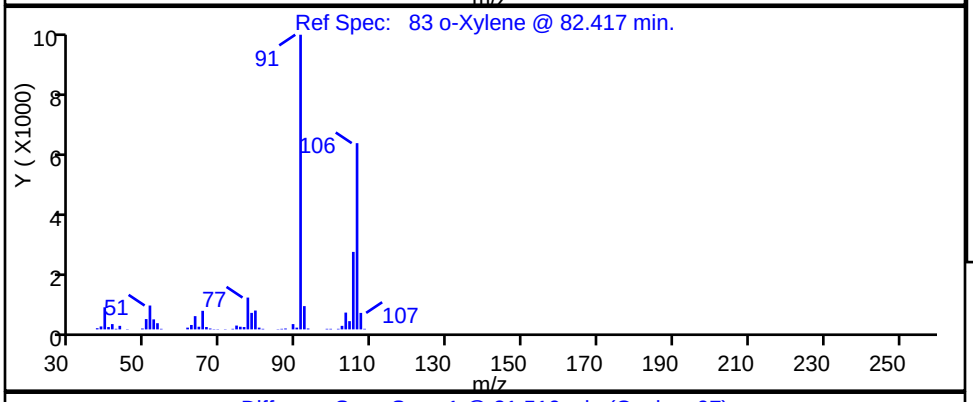
83 o-Xylene, CAS: 95-47-6

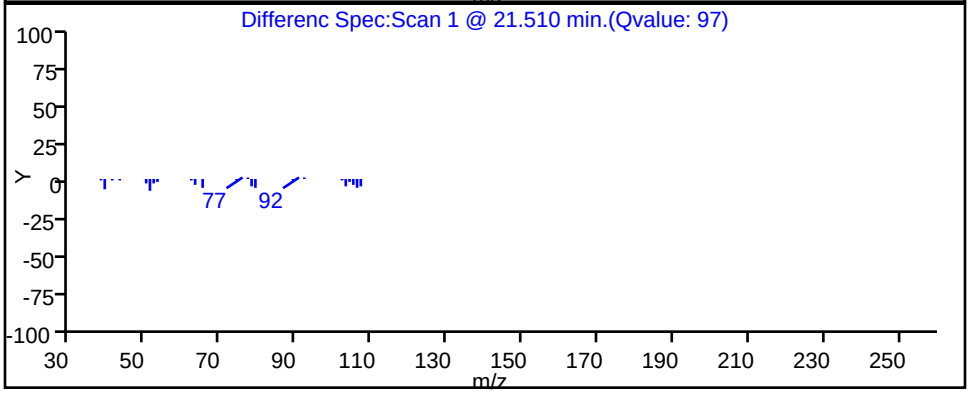












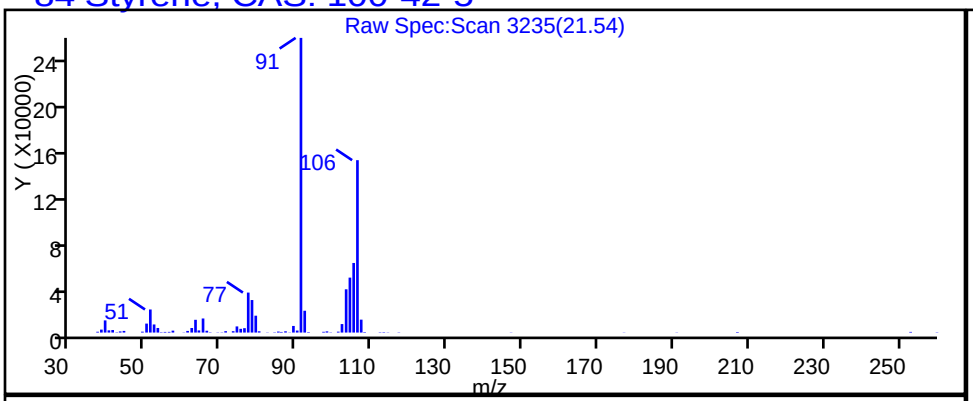
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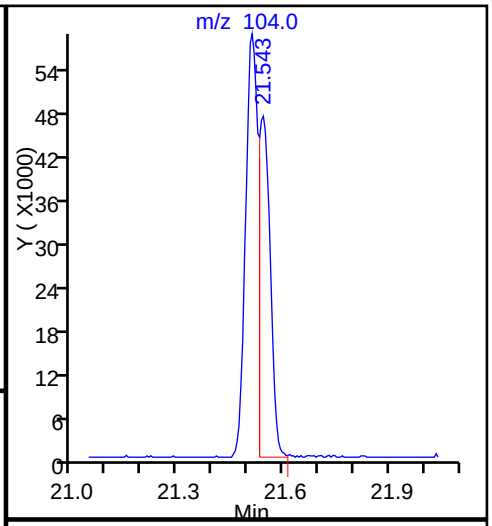
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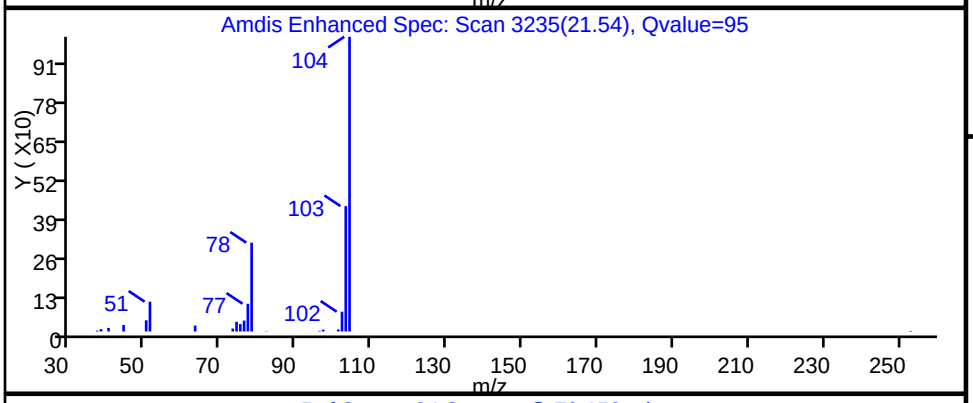
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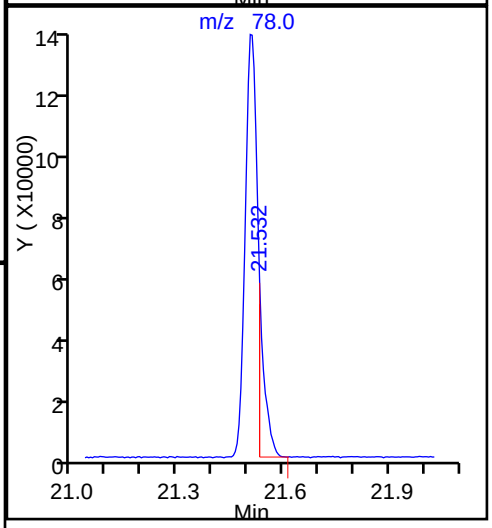
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Operator ID:	BPL	ALS Bottle#:	9 Worklist Smp#: 10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

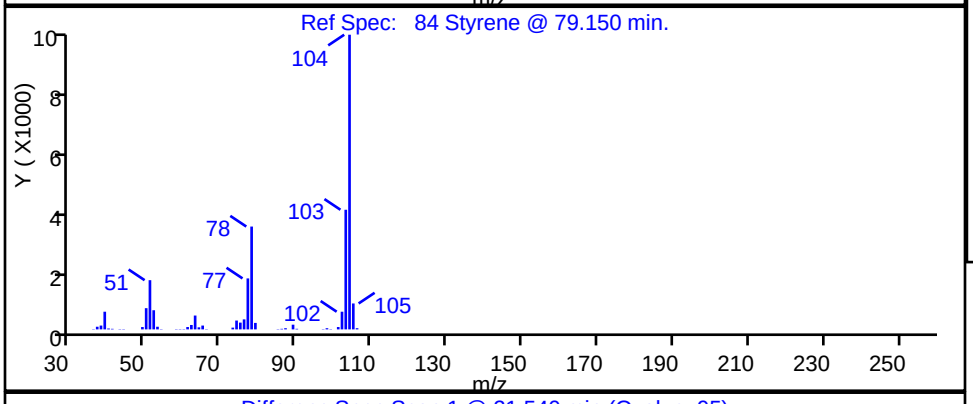
84 Styrene, CAS: 100-42-5

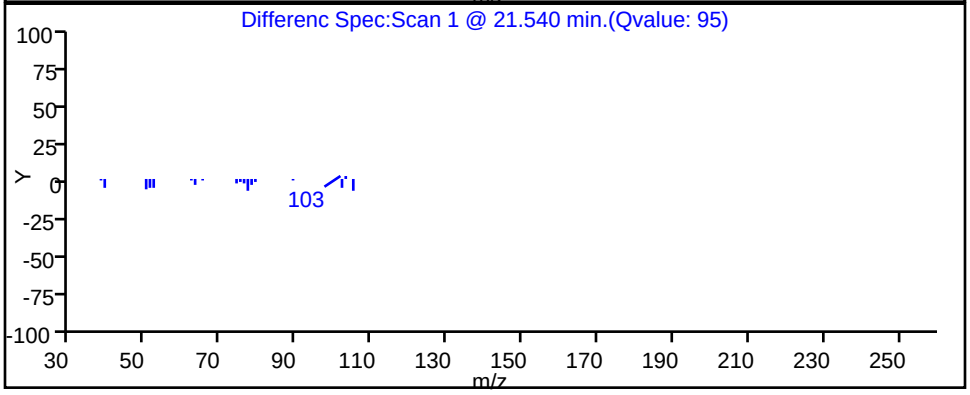








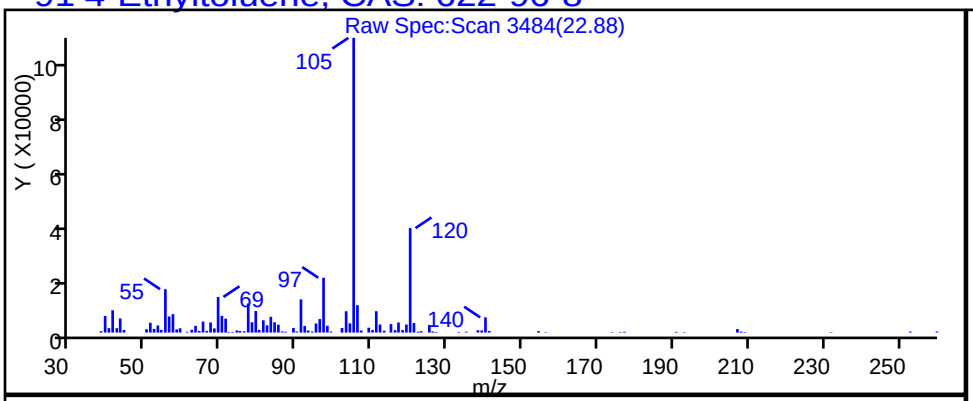


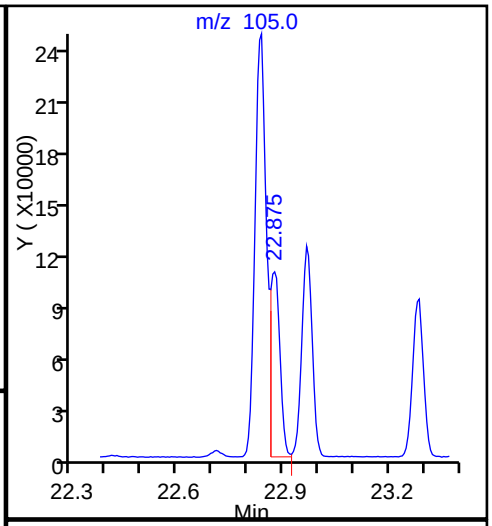


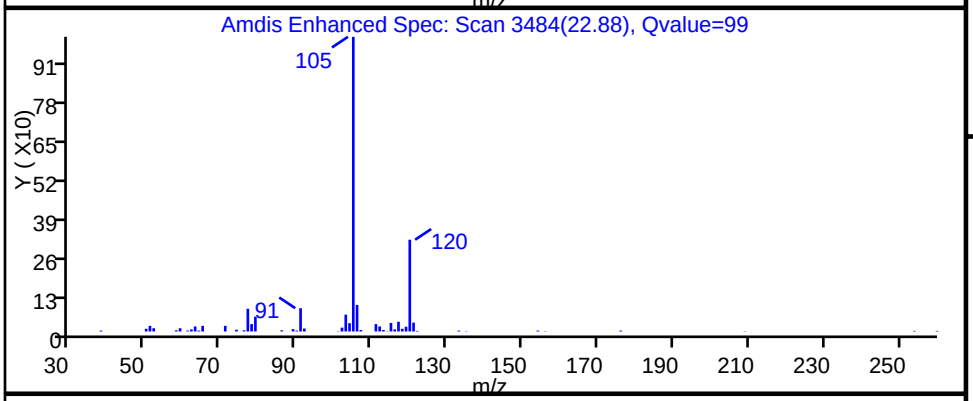
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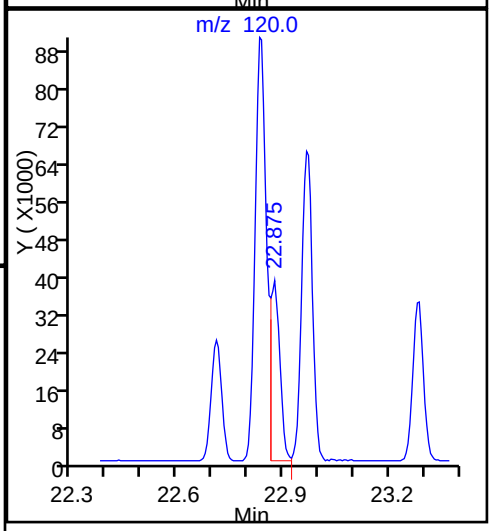
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Lims ID:	280-61460-A-2	Lab Sample ID:	200-61460-2		
Client ID:	101VMP0201EA				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

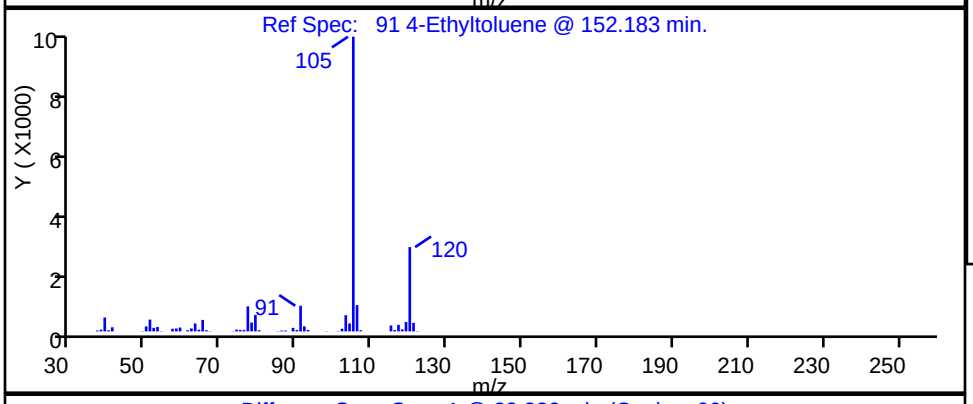
91 4-Ethyltoluene, CAS: 622-96-8

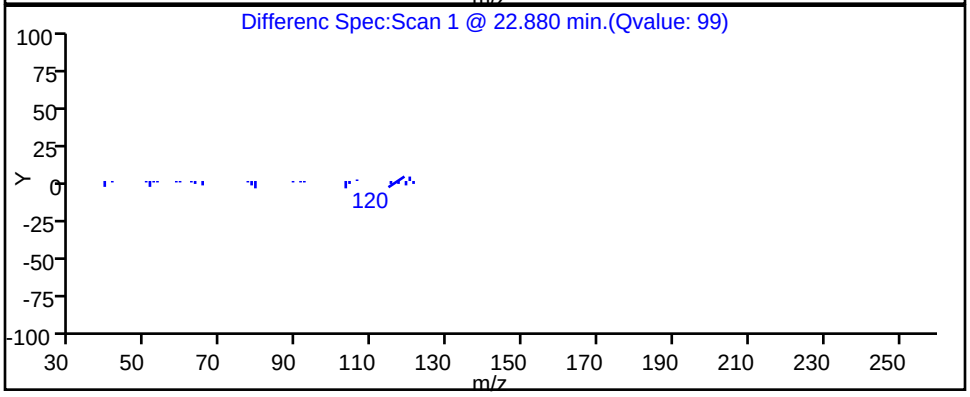












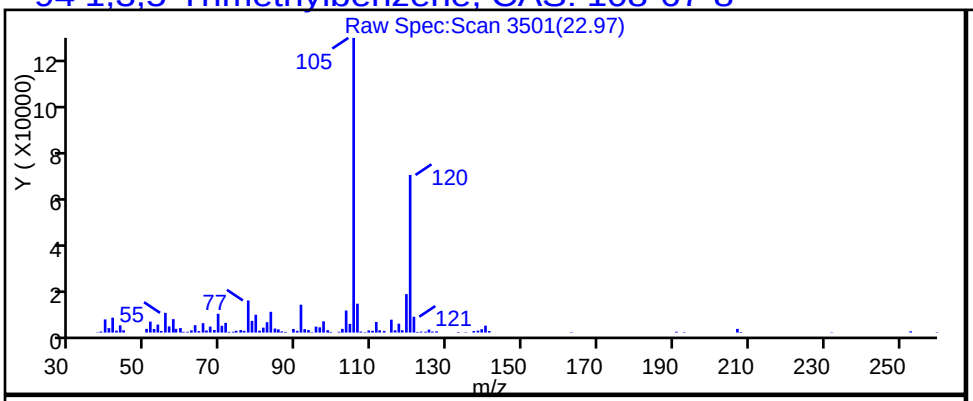
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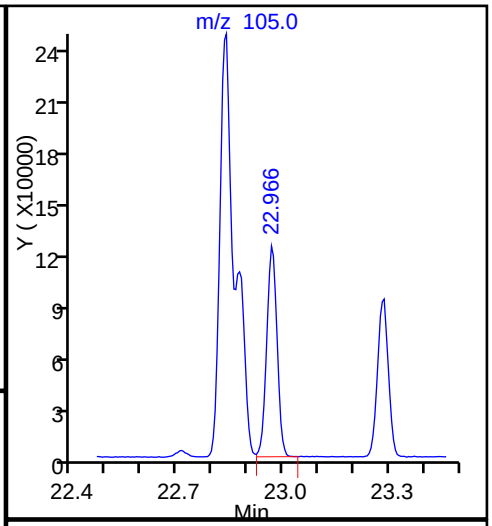
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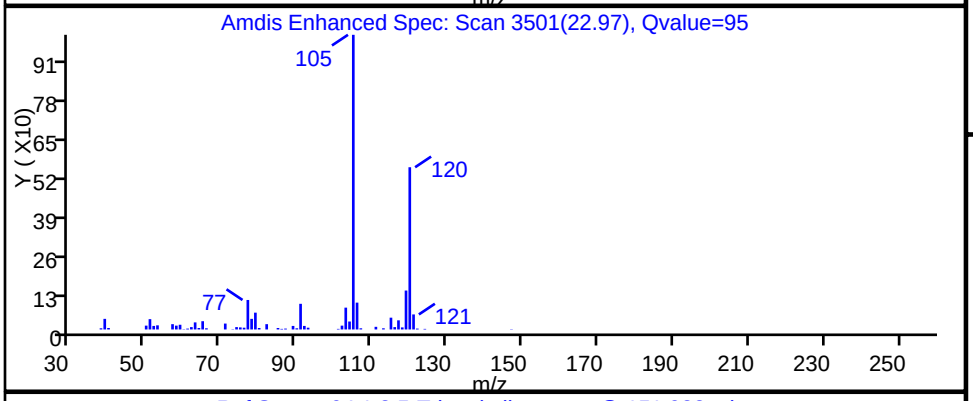
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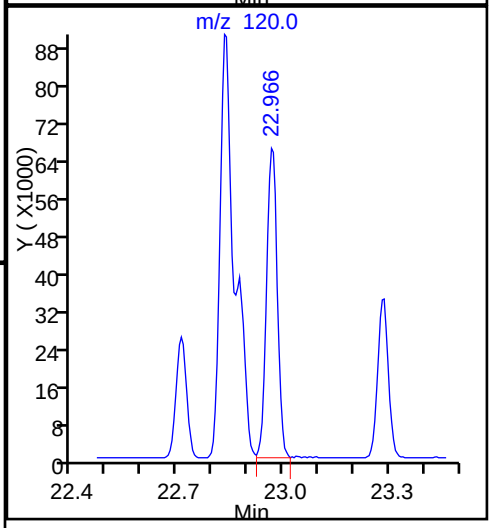
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Lims ID:	280-61460-A-2	Lab Sample ID:	200-61460-2		
Client ID:	101VMP0201EA				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

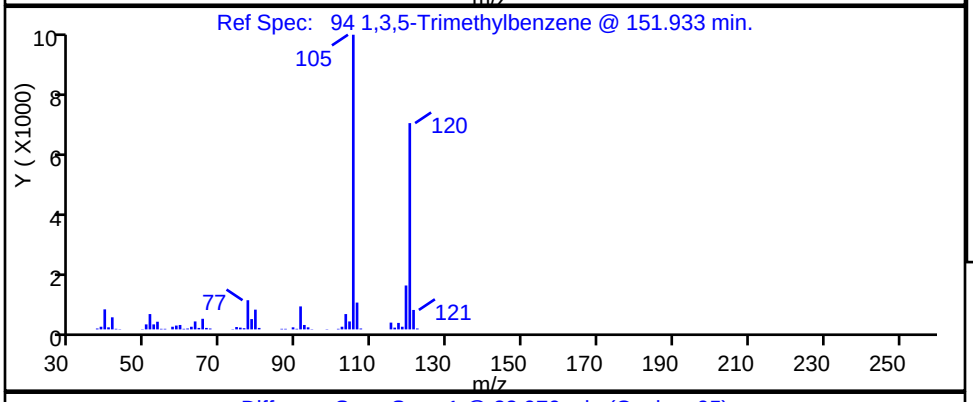
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

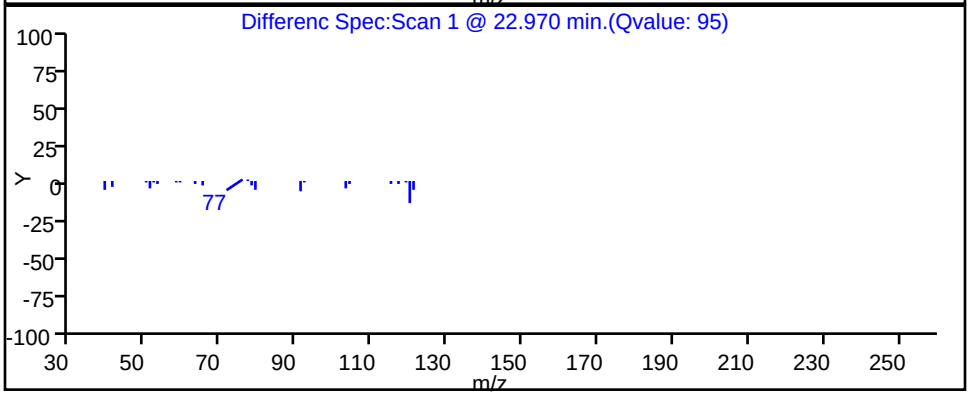












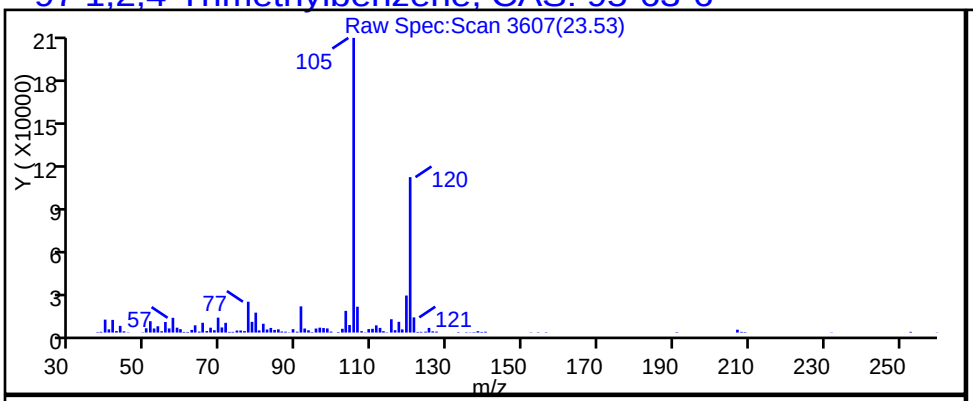
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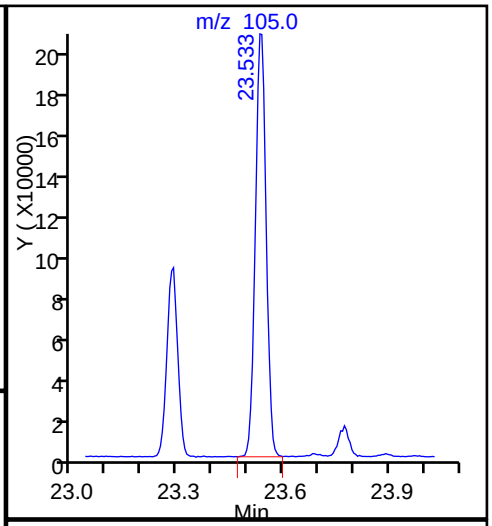
TestAmerica Burlington

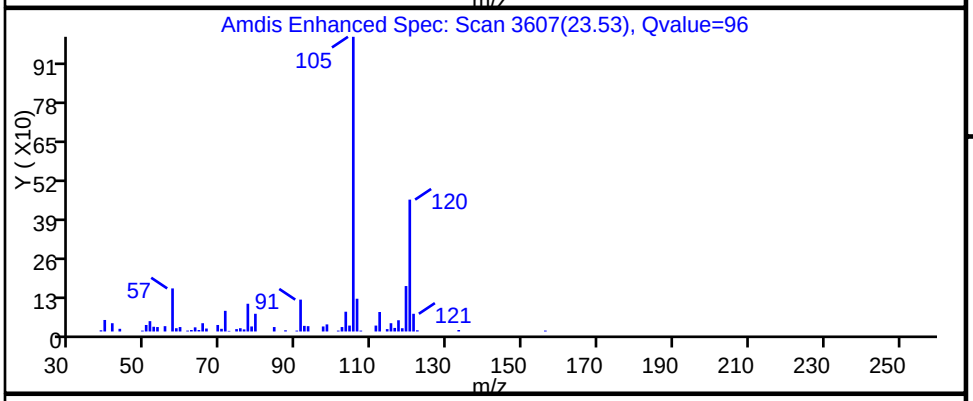
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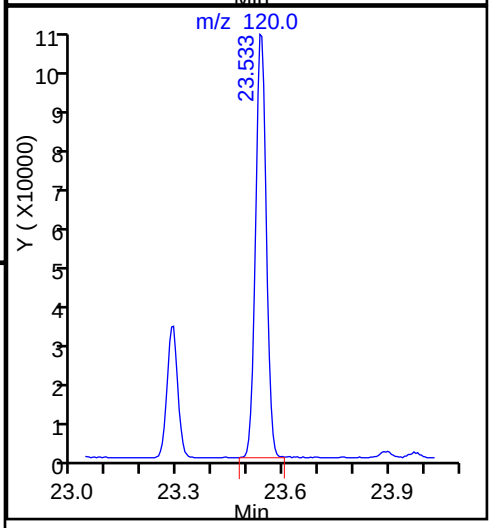
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Lims ID:	280-61460-A-2	Lab Sample ID:	200-61460-2		
Client ID:	101VMP0201EA				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

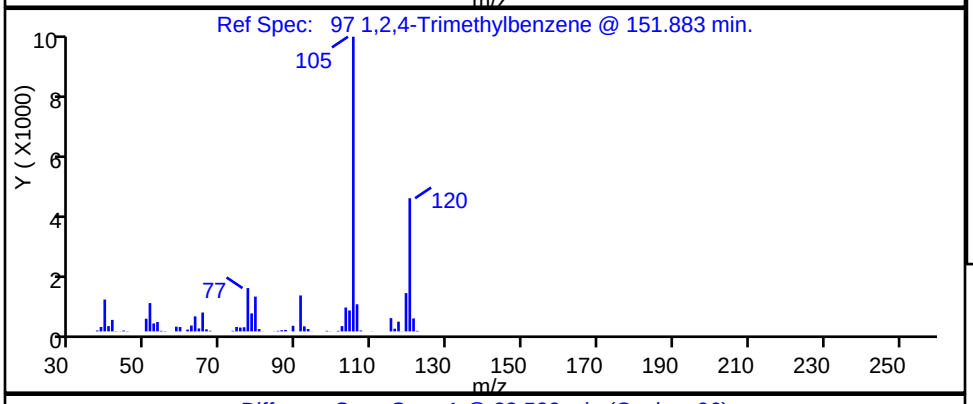
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

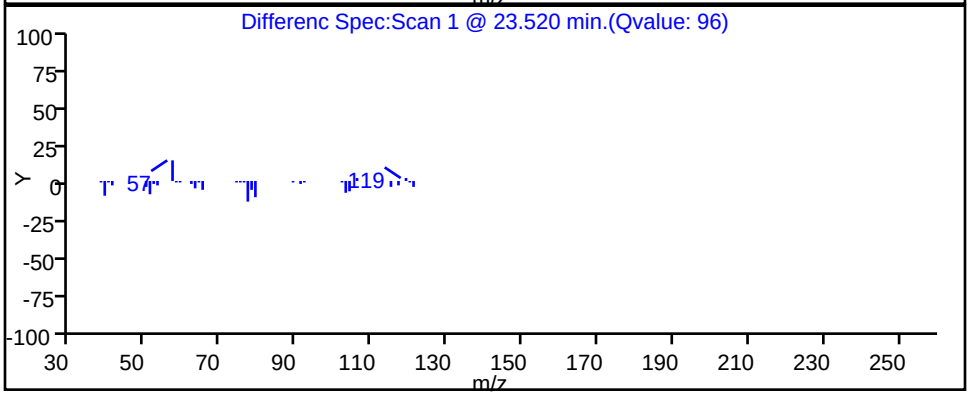












Manual Integration/User Assign Peak Report

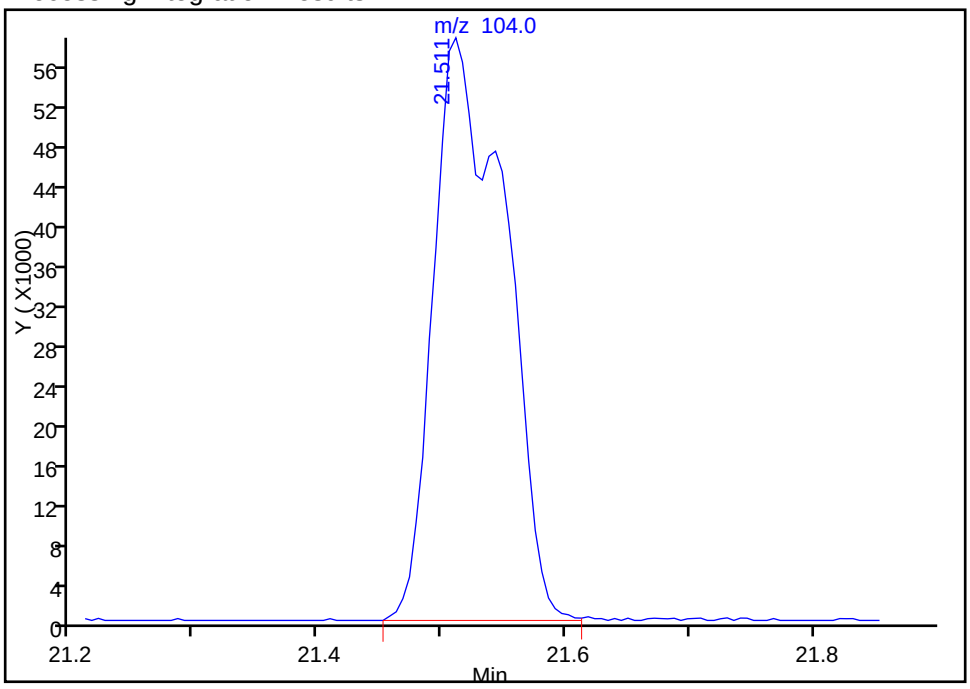
TestAmerica Burlington

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Lims ID:	280-61460-A-2	Lab Sample ID:	200-61460-2		
Client ID:	101VMP0201EA				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

84 Styrene, CAS: 100-42-5

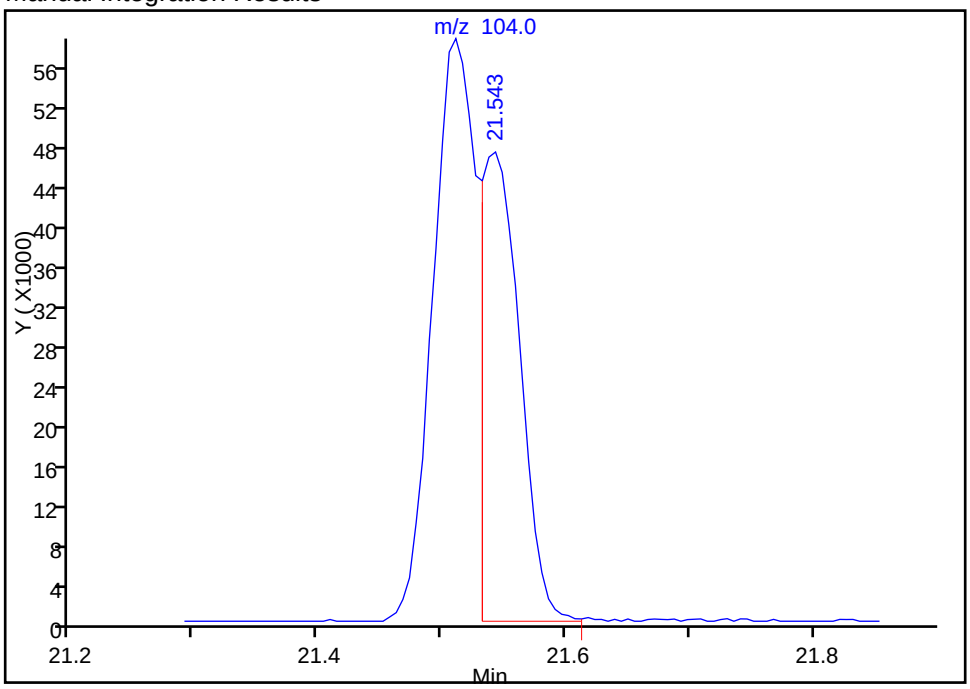
Processing Integration Results

RT: 21.51
Response: 235794
Amount: 1.220973



Manual Integration Results

RT: 21.54
Response: 101950
Amount: 0.527911



Reviewer: lyonsb, 03-Nov-2014 09:01:35
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101VMP0301EA Lab Sample ID: 280-61460-3

Matrix: Air Lab File ID: 10288_011.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:20

Sample wt/vol: 30(mL) Date Analyzed: 10/31/2014 17:10

Soil Aliquot Vol: Dilution Factor: 28.3

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	5.7	U	14	1.6
75-45-6	Freon 22	86.47	5.7	U	14	2.3
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	2.3	U	5.7	1.5
74-87-3	Chloromethane	50.49	5.7	U	14	1.7
106-97-8	n-Butane	58.12	5.7	U	14	5.1
75-01-4	Vinyl chloride	62.50	0.85	U	5.7	0.74
106-99-0	1,3-Butadiene	54.09	2.3	U	5.7	1.0
74-83-9	Bromomethane	94.94	2.3	U	5.7	1.2
75-00-3	Chloroethane	64.52	2.3	U	14	1.7
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.85	U	5.7	0.57
75-69-4	Trichlorofluoromethane	137.37	2.3	U	5.7	1.3
76-13-1	Freon TF	187.38	2.3	U	5.7	1.2
75-35-4	1,1-Dichloroethene	96.94	0.85	U	5.7	0.28
67-64-1	Acetone	58.08	140	D	140	20
67-63-0	Isopropyl alcohol	60.10	8.6	J D	140	4.2
75-15-0	Carbon disulfide	76.14	2.3	J D	14	0.85
107-05-1	3-Chloropropene	76.53	5.7	U	14	4.5
75-09-2	Methylene Chloride	84.93	5.7	U	14	3.4
75-65-0	tert-Butyl alcohol	74.12	5.7	U	140	3.4
1634-04-4	Methyl tert-butyl ether	88.15	0.85	U	5.7	0.62
156-60-5	trans-1,2-Dichloroethene	96.94	0.85	U	5.7	0.76
110-54-3	n-Hexane	86.17	0.85	U	5.7	0.79
75-34-3	1,1-Dichloroethane	98.96	0.85	U	5.7	0.79
78-93-3	Methyl Ethyl Ketone	72.11	180	D	14	2.6
156-59-2	cis-1,2-Dichloroethene	96.94	2.3	U	5.7	0.85
540-59-0	1,2-Dichloroethene, Total	96.94	2.3	U	5.7	1.5
67-66-3	Chloroform	119.38	2.3	U	5.7	1.1
109-99-9	Tetrahydrofuran	72.11	650	D	140	5.1
71-55-6	1,1,1-Trichloroethane	133.41	2.3	U	5.7	0.85
110-82-7	Cyclohexane	84.16	0.85	U	5.7	0.28
56-23-5	Carbon tetrachloride	153.81	0.85	U	5.7	0.31
540-84-1	2,2,4-Trimethylpentane	114.23	0.85	U	5.7	0.65
71-43-2	Benzene	78.11	0.85	U	5.7	0.82
107-06-2	1,2-Dichloroethane	98.96	2.3	U	5.7	1.5

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101VMP0301EA Lab Sample ID: 280-61460-3

Matrix: Air Lab File ID: 10288_011.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:20

Sample wt/vol: 30(mL) Date Analyzed: 10/31/2014 17:10

Soil Aliquot Vol: Dilution Factor: 28.3

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	2.3	U	5.7	1.0
79-01-6	Trichloroethene	131.39	7.2	D	5.7	0.85
80-62-6	Methyl methacrylate	100.12	5.7	U	14	2.7
78-87-5	1,2-Dichloropropane	112.99	2.3	U	5.7	0.99
123-91-1	1,4-Dioxane	88.11	5.7	U	140	4.5
75-27-4	Bromodichloromethane	163.83	0.85	U	5.7	0.82
10061-01-5	cis-1,3-Dichloropropene	110.97	0.85	U	5.7	0.82
108-10-1	methyl isobutyl ketone	100.16	120	D	14	5.1
108-88-3	Toluene	92.14	390	D	5.7	0.71
10061-02-6	trans-1,3-Dichloropropene	110.97	0.85	U	5.7	0.74
79-00-5	1,1,2-Trichloroethane	133.41	2.3	U	5.7	1.0
127-18-4	Tetrachloroethene	165.83	4.0	J D	5.7	0.85
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	5.7	U	14	4.8
124-48-1	Dibromochloromethane	208.29	0.85	U	5.7	0.57
106-93-4	1,2-Dibromoethane	187.87	0.85	U	5.7	0.51
108-90-7	Chlorobenzene	112.56	0.85	U	5.7	0.51
100-41-4	Ethylbenzene	106.17	7.2	D	5.7	0.57
179601-23-1	m,p-Xylene	106.17	31	D	14	0.71
95-47-6	Xylene, o-	106.17	11	D	5.7	0.51
1330-20-7	Xylene (total)	106.17	42		5.7	1.2
100-42-5	Styrene	104.15	4.4	J D	5.7	0.45
75-25-2	Bromoform	252.75	0.85	U	5.7	0.71
98-82-8	Cumene	120.19	0.85	U	5.7	0.54
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.3	U	5.7	0.96
103-65-1	n-Propylbenzene	120.19	0.85	U	5.7	0.76
622-96-8	4-Ethyltoluene	120.20	0.85	U	5.7	0.57
108-67-8	1,3,5-Trimethylbenzene	120.20	0.85	U	5.7	0.54
95-49-8	2-Chlorotoluene	126.59	2.3	U	5.7	0.88
98-06-6	tert-Butylbenzene	134.22	0.85	U	5.7	0.57
95-63-6	1,2,4-Trimethylbenzene	120.20	1.0	J D	5.7	0.45
135-98-8	sec-Butylbenzene	134.22	0.85	U	5.7	0.59
99-87-6	4-Isopropyltoluene	134.22	0.85	U	5.7	0.57
541-73-1	1,3-Dichlorobenzene	147.00	0.85	U	5.7	0.57
106-46-7	1,4-Dichlorobenzene	147.00	0.85	U	5.7	0.54

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101VMP0301EA Lab Sample ID: 280-61460-3

Matrix: Air Lab File ID: 10288_011.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:20

Sample wt/vol: 30(mL) Date Analyzed: 10/31/2014 17:10

Soil Aliquot Vol: Dilution Factor: 28.3

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.85	U	5.7	0.51
104-51-8	n-Butylbenzene	134.22	0.85	U	5.7	0.79
95-50-1	1,2-Dichlorobenzene	147.00	0.85	U	5.7	0.51
120-82-1	1,2,4-Trichlorobenzene	181.45	2.3	U	14	0.96
87-68-3	Hexachlorobutadiene	260.76	2.3	U	5.7	1.0
91-20-3	Naphthalene	128.17	2.3	U	14	0.85

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101VMP0301EA Lab Sample ID: 280-61460-3

Matrix: Air Lab File ID: 10288_011.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:20

Sample wt/vol: 30(mL) Date Analyzed: 10/31/2014 17:10

Soil Aliquot Vol: Dilution Factor: 28.3

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	28	U	70	7.8
75-45-6	Freon 22	86.47	20	U	50	8.0
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	16	U	40	10
74-87-3	Chloromethane	50.49	12	U	29	3.5
106-97-8	n-Butane	58.12	13	U	34	12
75-01-4	Vinyl chloride	62.50	2.2	U	14	1.9
106-99-0	1,3-Butadiene	54.09	5.0	U	13	2.3
74-83-9	Bromomethane	94.94	8.8	U	22	4.8
75-00-3	Chloroethane	64.52	6.0	U	37	4.6
593-60-2	Bromoethene(Vinyl Bromide)	106.96	3.7	U	25	2.5
75-69-4	Trichlorofluoromethane	137.37	13	U	32	7.2
76-13-1	Freon TF	187.38	17	U	43	8.9
75-35-4	1,1-Dichloroethene	96.94	3.4	U	22	1.1
67-64-1	Acetone	58.08	330	D	340	46
67-63-0	Isopropyl alcohol	60.10	21	J D	350	10
75-15-0	Carbon disulfide	76.14	7.1	J D	44	2.6
107-05-1	3-Chloropropene	76.53	18	U	44	14
75-09-2	Methylene Chloride	84.93	20	U	49	12
75-65-0	tert-Butyl alcohol	74.12	17	U	430	10
1634-04-4	Methyl tert-butyl ether	88.15	3.1	U	20	2.2
156-60-5	trans-1,2-Dichloroethene	96.94	3.4	U	22	3.0
110-54-3	n-Hexane	86.17	3.0	U	20	2.8
75-34-3	1,1-Dichloroethane	98.96	3.4	U	23	3.2
78-93-3	Methyl Ethyl Ketone	72.11	540	D	42	7.7
156-59-2	cis-1,2-Dichloroethene	96.94	9.0	U	22	3.4
540-59-0	1,2-Dichloroethene, Total	96.94	9.0	U	22	5.9
67-66-3	Chloroform	119.38	11	U	28	5.3
109-99-9	Tetrahydrofuran	72.11	1900	D	420	15
71-55-6	1,1,1-Trichloroethane	133.41	12	U	31	4.6
110-82-7	Cyclohexane	84.16	2.9	U	19	0.97
56-23-5	Carbon tetrachloride	153.81	5.3	U	36	2.0
540-84-1	2,2,4-Trimethylpentane	114.23	4.0	U	26	3.0
71-43-2	Benzene	78.11	2.7	U	18	2.6
107-06-2	1,2-Dichloroethane	98.96	9.2	U	23	6.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101VMP0301EA Lab Sample ID: 280-61460-3

Matrix: Air Lab File ID: 10288_011.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:20

Sample wt/vol: 30(mL) Date Analyzed: 10/31/2014 17:10

Soil Aliquot Vol: Dilution Factor: 28.3

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	9.3	U	23	4.3
79-01-6	Trichloroethene	131.39	39	D	30	4.6
80-62-6	Methyl methacrylate	100.12	23	U	58	11
78-87-5	1,2-Dichloropropane	112.99	10	U	26	4.6
123-91-1	1,4-Dioxane	88.11	20	U	510	16
75-27-4	Bromodichloromethane	163.83	5.7	U	38	5.5
10061-01-5	cis-1,3-Dichloropropene	110.97	3.9	U	26	3.7
108-10-1	methyl isobutyl ketone	100.16	500	D	58	21
108-88-3	Toluene	92.14	1500	D	21	2.7
10061-02-6	trans-1,3-Dichloropropene	110.97	3.9	U	26	3.3
79-00-5	1,1,2-Trichloroethane	133.41	12	U	31	5.7
127-18-4	Tetrachloroethene	165.83	27	J D	38	5.8
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	23	U	58	20
124-48-1	Dibromochloromethane	208.29	7.2	U	48	4.8
106-93-4	1,2-Dibromoethane	187.87	6.5	U	43	3.9
108-90-7	Chlorobenzene	112.56	3.9	U	26	2.3
100-41-4	Ethylbenzene	106.17	31	D	25	2.5
179601-23-1	m,p-Xylene	106.17	130	D	61	3.1
95-47-6	Xylene, o-	106.17	48	D	25	2.2
1330-20-7	Xylene (total)	106.17	180		25	5.0
100-42-5	Styrene	104.15	19	J D	24	1.9
75-25-2	Bromoform	252.75	8.8	U	59	7.3
98-82-8	Cumene	120.19	4.2	U	28	2.6
79-34-5	1,1,2,2-Tetrachloroethane	167.85	16	U	39	6.6
103-65-1	n-Propylbenzene	120.19	4.2	U	28	3.8
622-96-8	4-Ethyltoluene	120.20	4.2	U	28	2.8
108-67-8	1,3,5-Trimethylbenzene	120.20	4.2	U	28	2.6
95-49-8	2-Chlorotoluene	126.59	12	U	29	4.5
98-06-6	tert-Butylbenzene	134.22	4.7	U	31	3.1
95-63-6	1,2,4-Trimethylbenzene	120.20	5.0	J D	28	2.2
135-98-8	sec-Butylbenzene	134.22	4.7	U	31	3.3
99-87-6	4-Isopropyltoluene	134.22	4.7	U	31	3.1
541-73-1	1,3-Dichlorobenzene	147.00	5.1	U	34	3.4
106-46-7	1,4-Dichlorobenzene	147.00	5.1	U	34	3.2

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101VMP0301EA Lab Sample ID: 280-61460-3

Matrix: Air Lab File ID: 10288_011.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:20

Sample wt/vol: 30(mL) Date Analyzed: 10/31/2014 17:10

Soil Aliquot Vol: Dilution Factor: 28.3

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	4.4	U	29	2.6
104-51-8	n-Butylbenzene	134.22	4.7	U	31	4.3
95-50-1	1,2-Dichlorobenzene	147.00	5.1	U	34	3.1
120-82-1	1,2,4-Trichlorobenzene	181.45	17	U	110	7.1
87-68-3	Hexachlorobutadiene	260.76	24	U	60	11
91-20-3	Naphthalene	128.17	12	U	74	4.5

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_011.d
Lims ID: 280-61460-A-3 Lab Sample ID: 200-61460-3
Client ID: 101VMP0301EA
Sample Type: Client
Inject. Date: 31-Oct-2014 17:10:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 28.3000
Sample Info: 200-0010288-011
Misc. Info.: 280-61460-a-3
Operator ID: BPL Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 03-Nov-2014 09:12:42 Calib Date: 30-Oct-2014 19:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: lyonsb Date: 03-Nov-2014 09:02:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85		4.483				ND	
6 Chlorodifluoromethane	51		4.547				ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.831				ND	
8 Chloromethane	50		5.029				ND	
9 Butane	43		5.291				ND	
10 Vinyl chloride	62		5.350				ND	
11 Butadiene	54		5.446				ND	
12 Bromomethane	94		6.307				ND	
14 Chloroethane	64		6.591				ND	
16 Vinyl bromide	106		7.067				ND	
17 Trichlorofluoromethane	101		7.184				ND	
23 1,1,2-Trichloro-1,2,2-trif	101		8.426				ND	
24 1,1-Dichloroethene	96		8.500				ND	
25 Acetone	43	8.731	8.731	0.000	91	364205	4.89	
26 Carbon disulfide	76	8.993	8.987	0.006	95	14112	0.0803	
27 Isopropyl alcohol	45	9.019	9.025	-0.006	96	18238	0.3056	
29 3-Chloro-1-propene	41		9.383				ND	
31 Methylene Chloride	49		9.715				ND	
32 2-Methyl-2-propanol	59		9.891				ND	
33 Methyl tert-butyl ether	73		10.138				ND	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
34 trans-1,2-Dichloroethene	61		10.212				ND	
36 Hexane	57		10.630				ND	
37 1,1-Dichloroethane	63		11.175				ND	
39 cis-1,2-Dichloroethene	96		12.352				ND	
40 2-Butanone (MEK)	72	12.352	12.358	-0.006	95	221333	6.44	
44 Tetrahydrofuran	42	12.818	12.828	-0.010	85	1182418	22.9	
* 43 Chlorobromomethane	128	12.834	12.834	0.000	77	619988	10.0	
45 Chloroform	83		12.941				ND	
46 Cyclohexane	84		13.240				ND	
47 1,1,1-Trichloroethane	97		13.251				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		13.508				ND	
51 Isooctane	57		13.898				ND	
50 Benzene	78		13.957				ND	
52 1,2-Dichloroethane	62		14.118				ND	
53 n-Heptane	43		14.246				ND	
* 54 1,4-Difluorobenzene	114	14.712	14.717	-0.005	91	2903002	10.0	
56 Trichloroethene	95	15.177	15.182	-0.005	91	24838	0.2541	
58 1,2-Dichloropropane	63		15.696				ND	
59 Methyl methacrylate	69		15.781				ND	
60 1,4-Dioxane	88		15.872				ND	
62 Dichlorobromomethane	83		16.193				ND	
64 cis-1,3-Dichloropropene	75		17.055				ND	
65 4-Methyl-2-pentanone (MIBK	43	17.279	17.285	-0.006	90	467084	4.31	
66 Toluene	92	17.622	17.627	-0.005	94	2164114	13.6	
70 trans-1,3-Dichloropropene	75		18.157				ND	
71 1,1,2-Trichloroethane	83		18.526				ND	
72 Tetrachloroethene	166	18.660	18.665	-0.005	94	24369	0.1426	
73 2-Hexanone	43		18.906				ND	
74 Chlorodibromomethane	129		19.280				ND	
75 Ethylene Dibromide	107		19.564				ND	
S 82 Xylenes, Total	106				0		1.48	
* 76 Chlorobenzene-d5	117	20.409	20.409	0.000	80	2618416	10.0	
77 Chlorobenzene	112		20.468				ND	
78 Ethylbenzene	91	20.575	20.580	-0.005	96	85641	0.2545	
80 m-Xylene & p-Xylene	106	20.789	20.794	-0.005	98	158021	1.09	
83 o-Xylene	106	21.511	21.511	0.000	96	55095	0.3868	
84 Styrene	104	21.549	21.548	0.000	97	33447	0.1564	
85 Bromoform	173		21.934				ND	
86 Isopropylbenzene	105		22.078				ND	
$ 87 4-Bromofluorobenzene	95	22.415	22.415	0.000	96	1569499	NC	
88 1,1,2,2-Tetrachloroethane	83		22.640				ND	
90 N-Propylbenzene	91		22.709				ND	
91 4-Ethyltoluene	105	22.875	22.881	-0.005	48	5400	0.0129	7
92 2-Chlorotoluene	91		22.913				ND	
94 1,3,5-Trimethylbenzene	105	22.966	22.971	-0.005	93	5618	0.0160	
96 tert-Butylbenzene	119		23.448				ND	
97 1,2,4-Trimethylbenzene	105	23.539	23.539	0.001	94	12668	0.0359	
98 sec-Butylbenzene	105		23.774				ND	
99 4-Isopropyltoluene	119		23.977				ND	
100 1,3-Dichlorobenzene	146		24.047				ND	
101 1,4-Dichlorobenzene	146		24.197				ND	
102 Benzyl chloride	91		24.400				ND	
103 n-Butylbenzene	91		24.614				ND	
105 1,2-Dichlorobenzene	146		24.796				ND	
107 1,2,4-Trichlorobenzene	180		27.674				ND	
108 Hexachlorobutadiene	225		27.872				ND	
109 Naphthalene	128		28.257				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

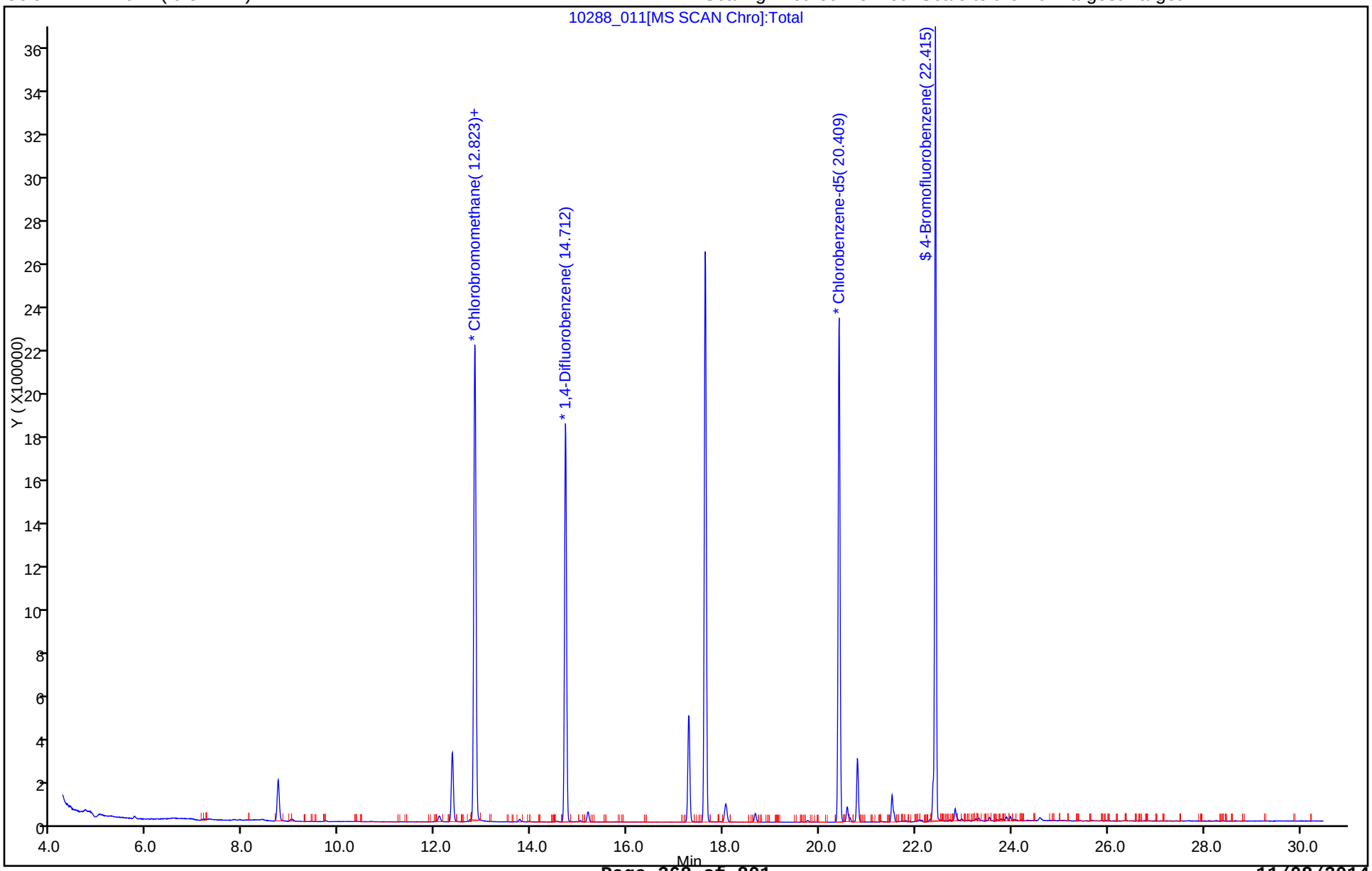
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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_011.d

Injection Date:	31-Oct-2014 17:10:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	280-61460-A-3	Lab Sample ID:	200-61460-3	Worklist Smp#:	11
Client ID:	101VMP0301EA				
Purge Vol:	200.000 mL	Dil. Factor:	28.3000	ALS Bottle#:	10
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



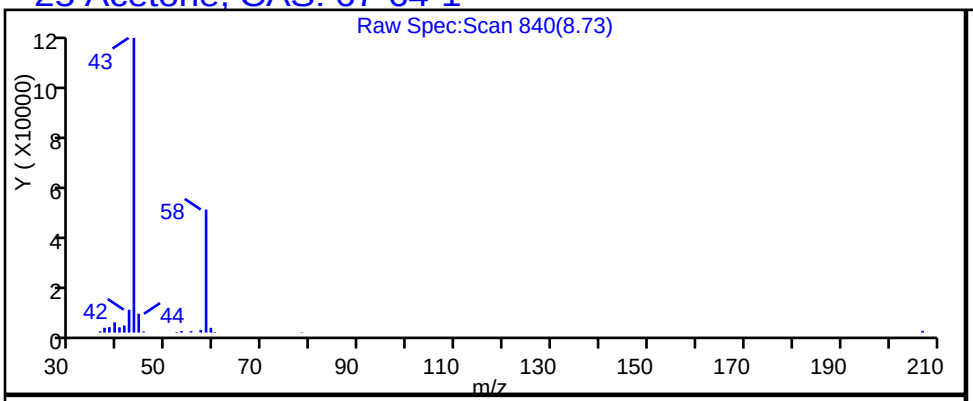
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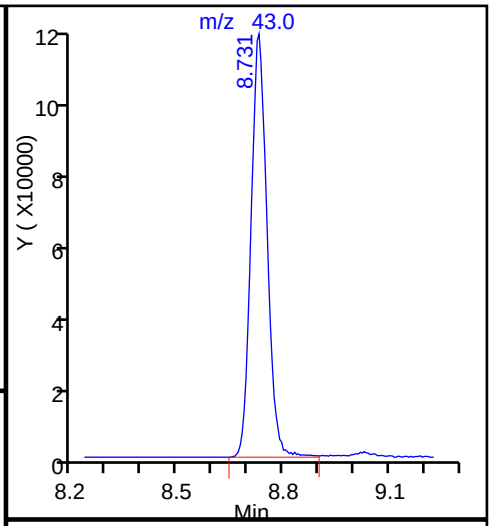
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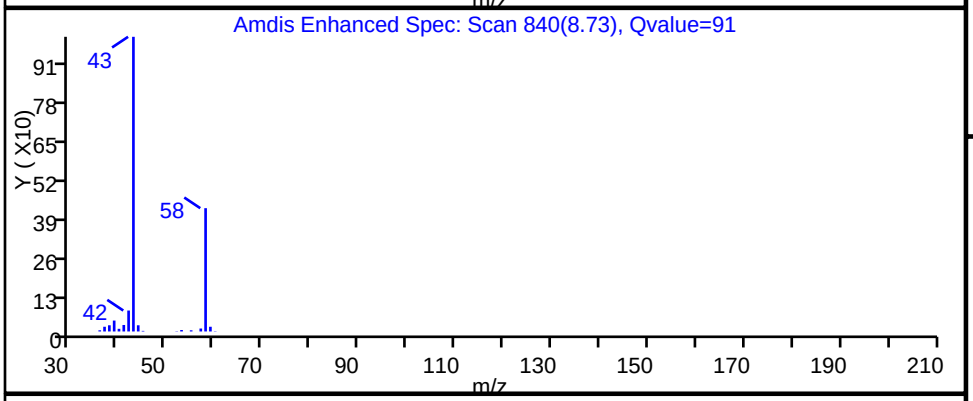
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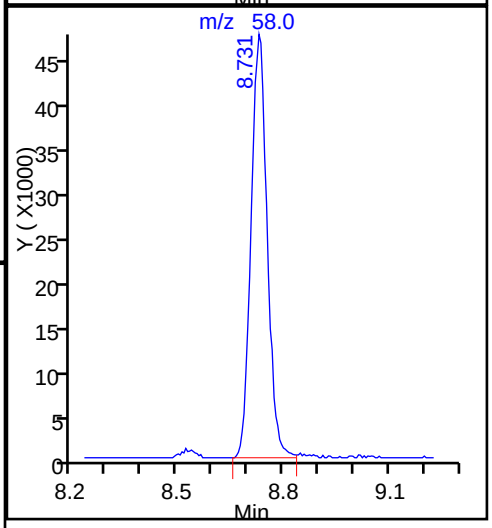
Injection Date:	31-Oct-2014 17:10:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-3	Lab Sample ID:	200-61460-3		
Client ID:	101VMP0301EA				
Operator ID:	BPL	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	28.3000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

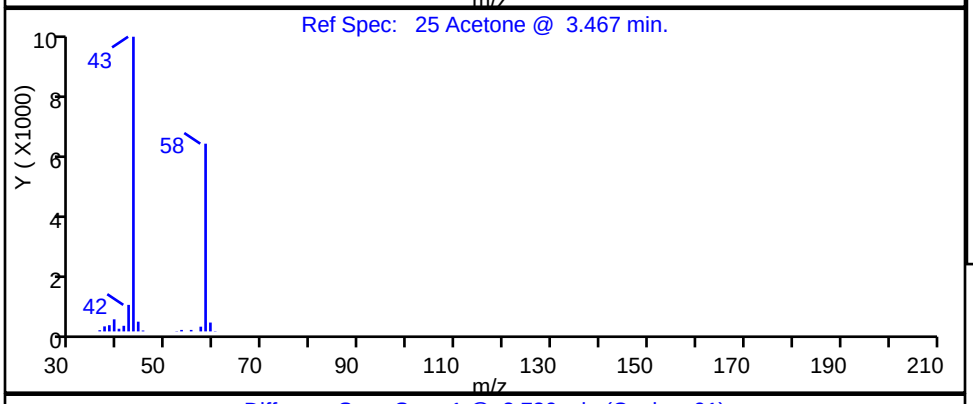
25 Acetone, CAS: 67-64-1

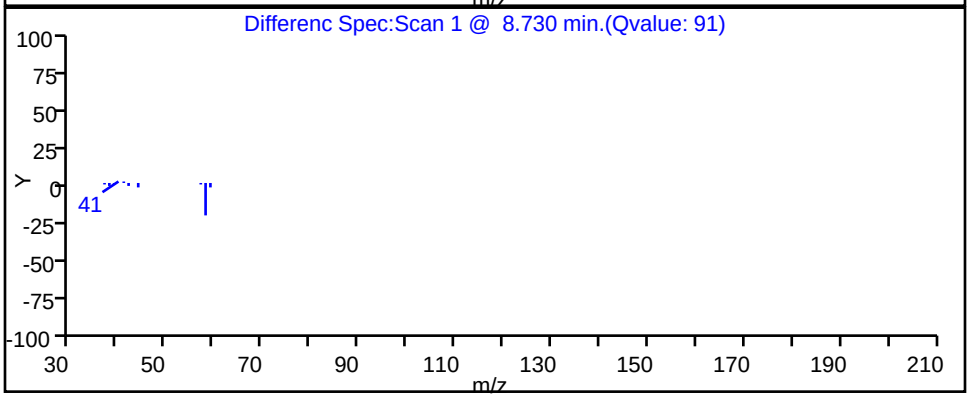












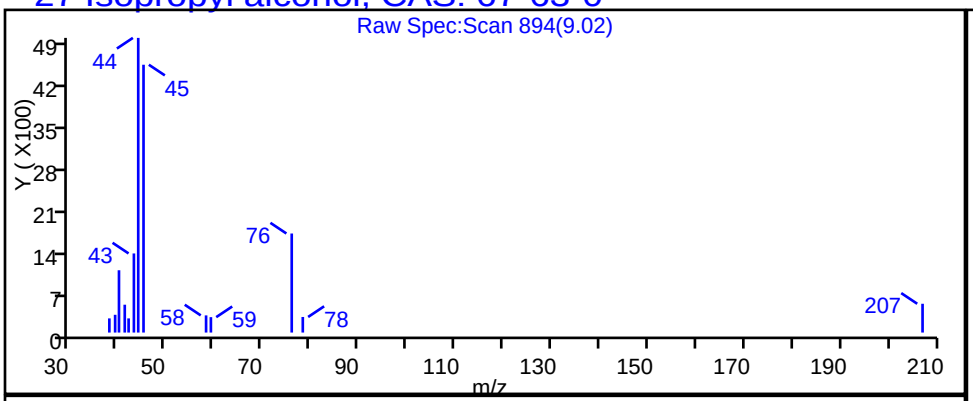
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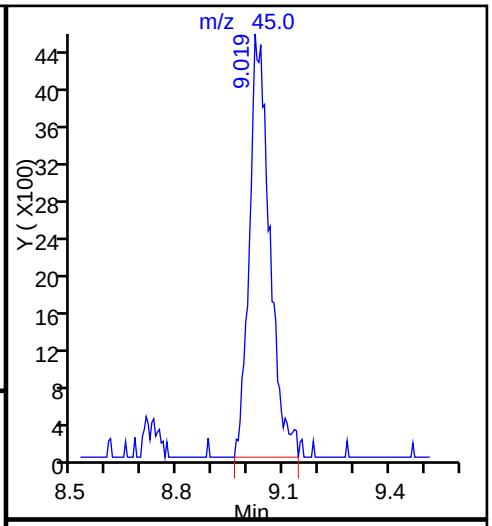
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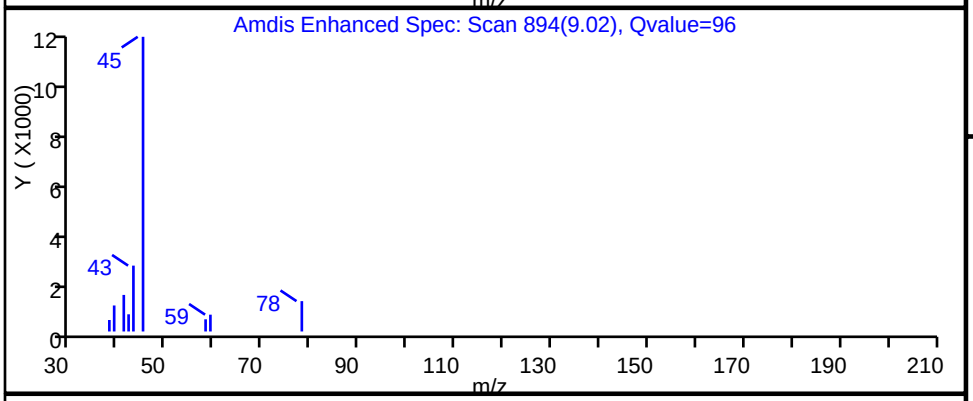
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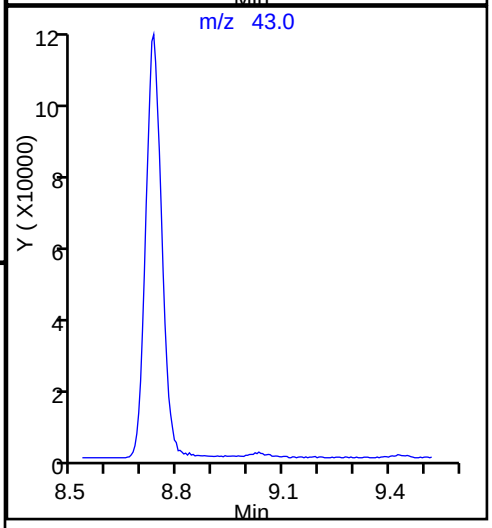
Injection Date:	31-Oct-2014 17:10:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-3	Lab Sample ID:	200-61460-3		
Client ID:	101VMP0301EA				
Operator ID:	BPL	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	28.3000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

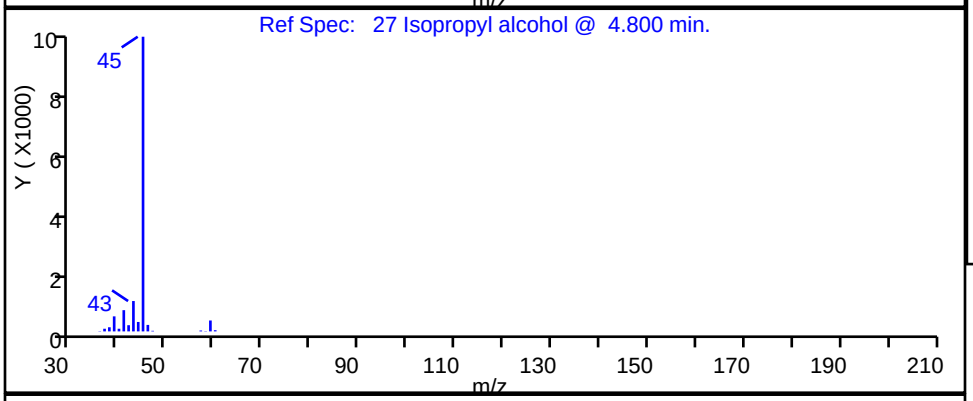
27 Isopropyl alcohol, CAS: 67-63-0

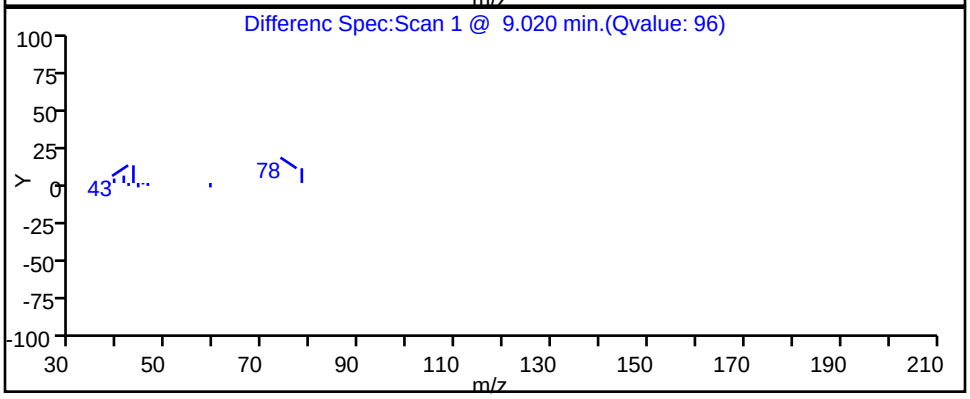












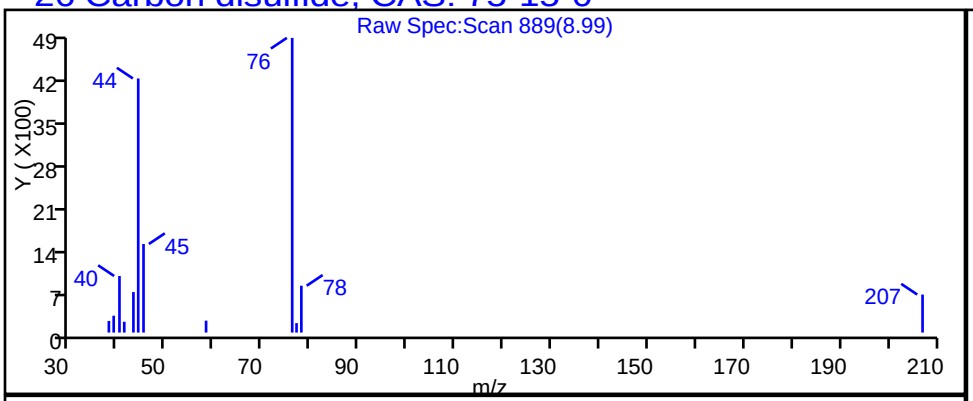
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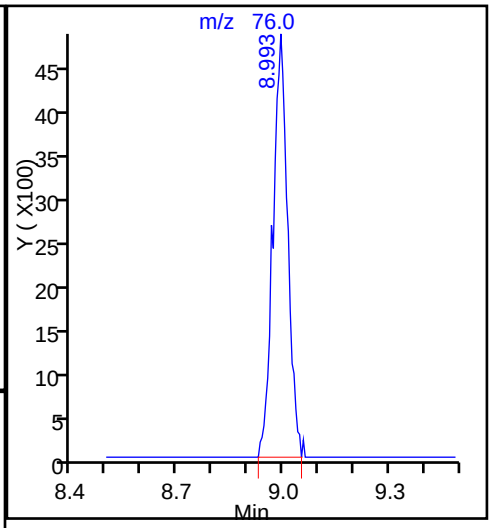
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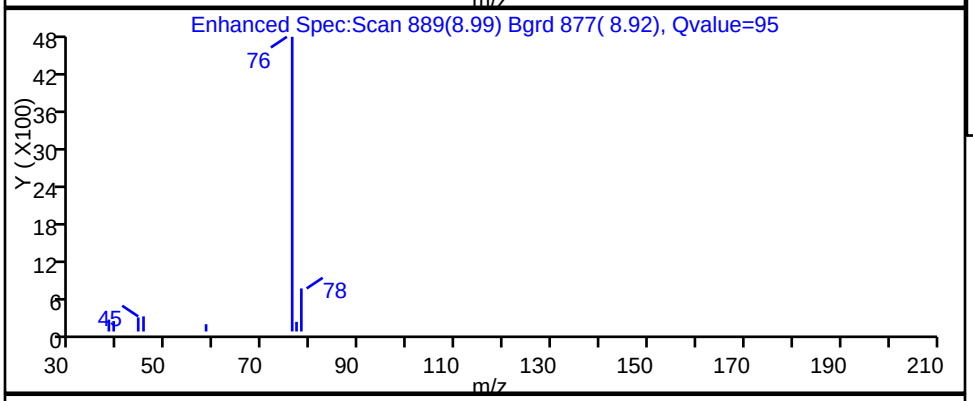
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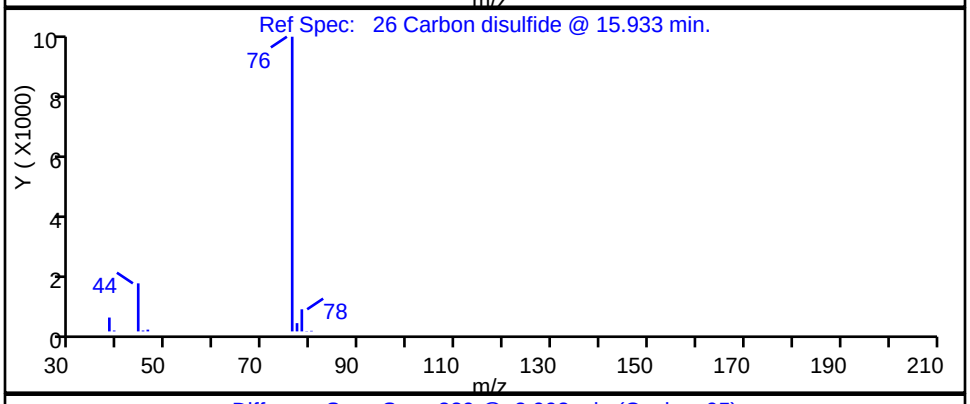
Injection Date:	31-Oct-2014 17:10:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-3	Lab Sample ID:	200-61460-3		
Client ID:	101VMP0301EA				
Operator ID:	BPL	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	28.3000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

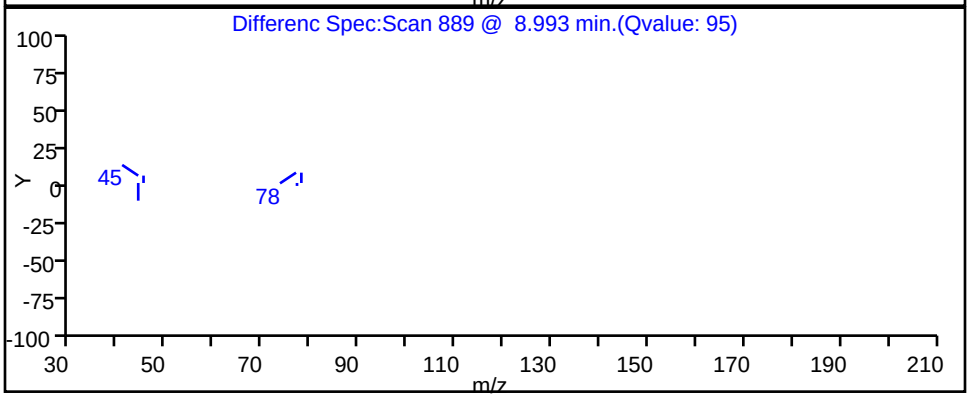
26 Carbon disulfide, CAS: 75-15-0











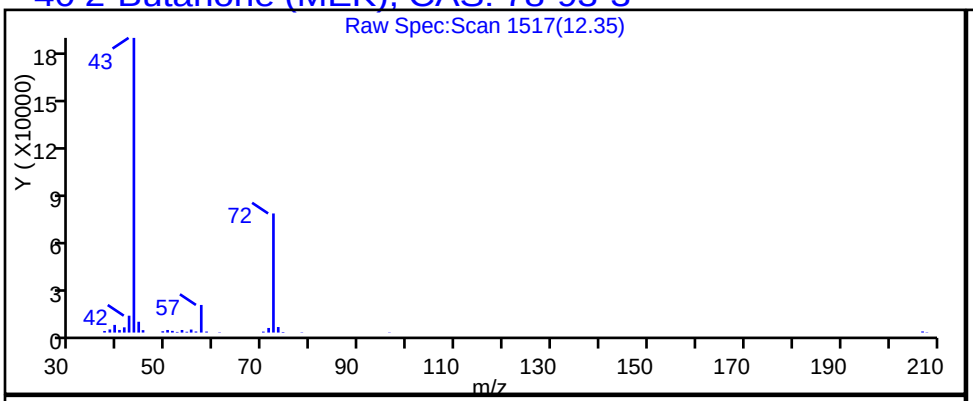
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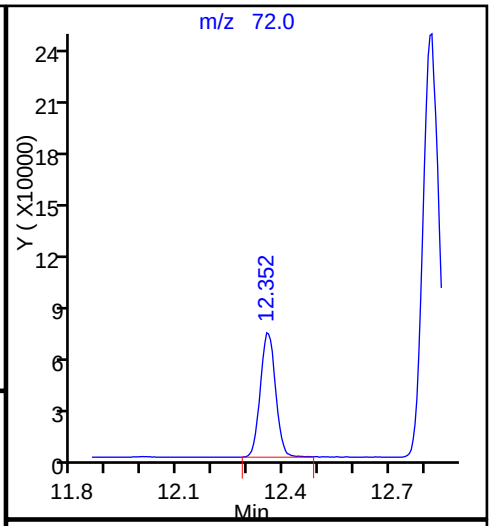
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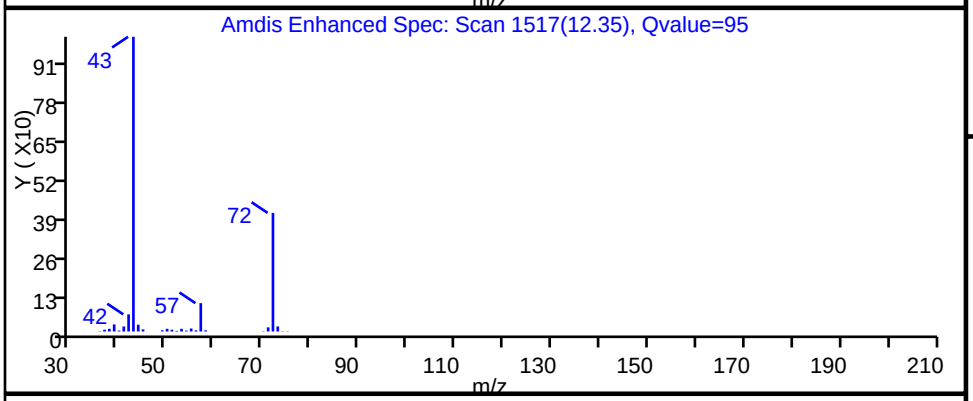
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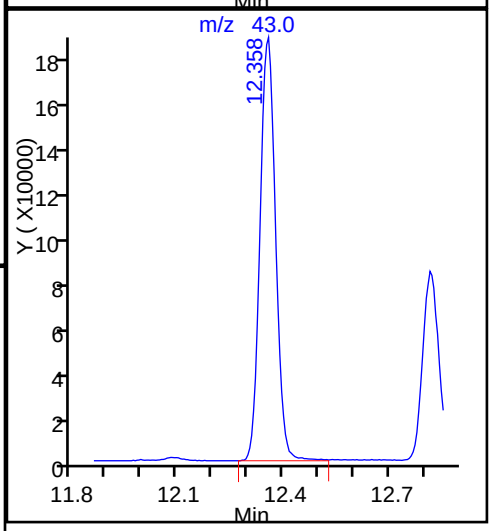
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Lims ID:	280-61460-A-3	Lab Sample ID:	200-61460-3
Client ID:	101VMP0301EA		
Operator ID:	BPL	ALS Bottle#:	10 Worklist Smp#: 11
Purge Vol:	200.000 mL	Dil. Factor:	28.3000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

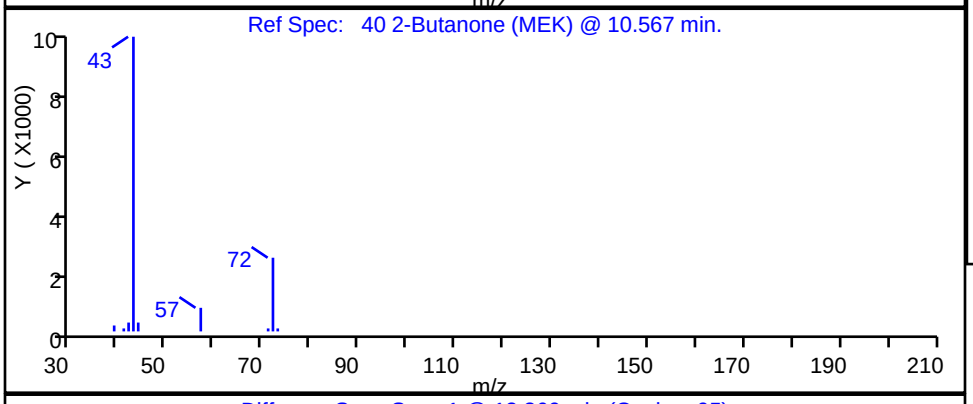
40 2-Butanone (MEK), CAS: 78-93-3

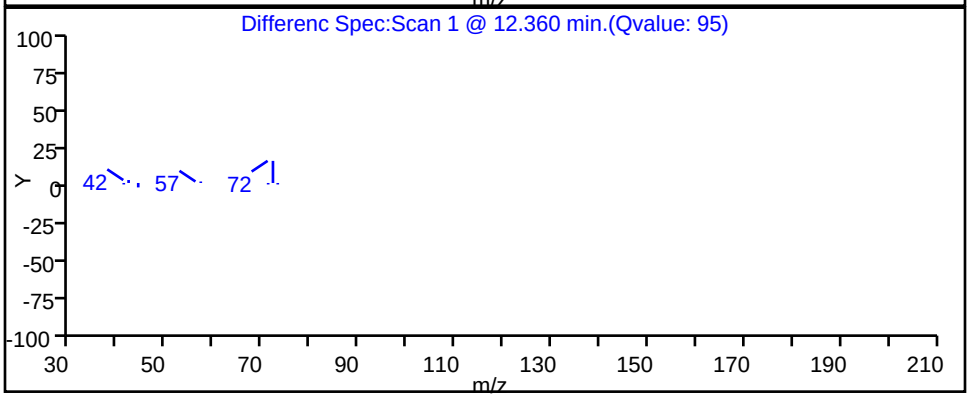












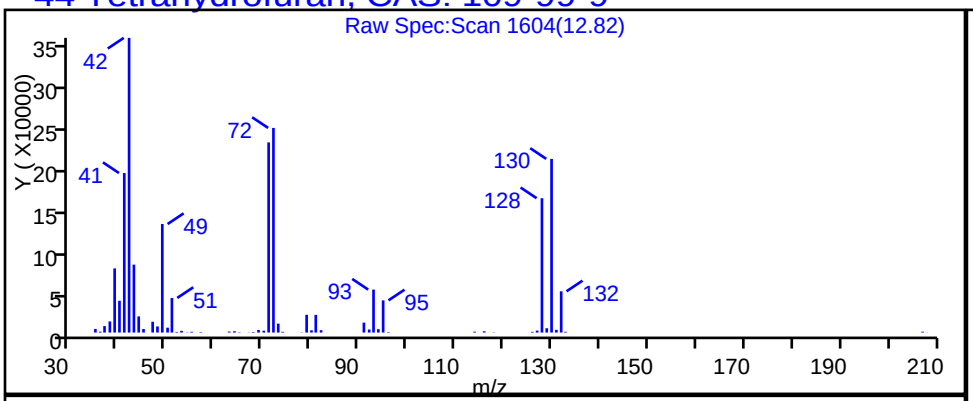
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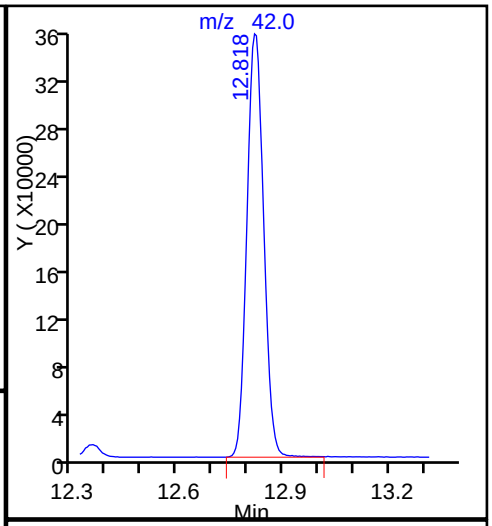
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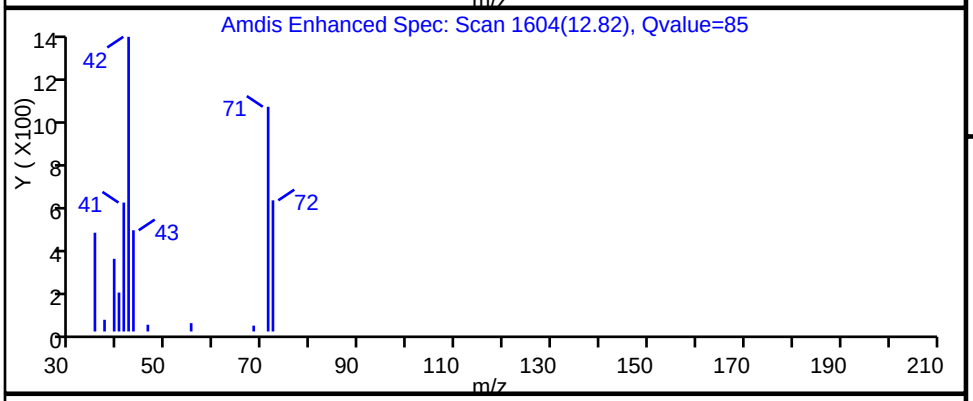
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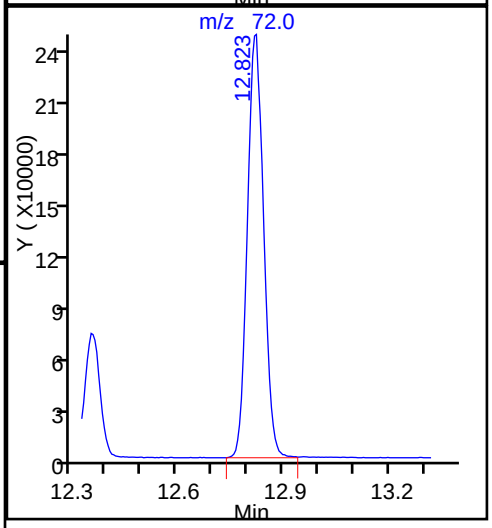
Injection Date:	31-Oct-2014 17:10:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-3	Lab Sample ID:	200-61460-3		
Client ID:	101VMP0301EA				
Operator ID:	BPL	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	28.3000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

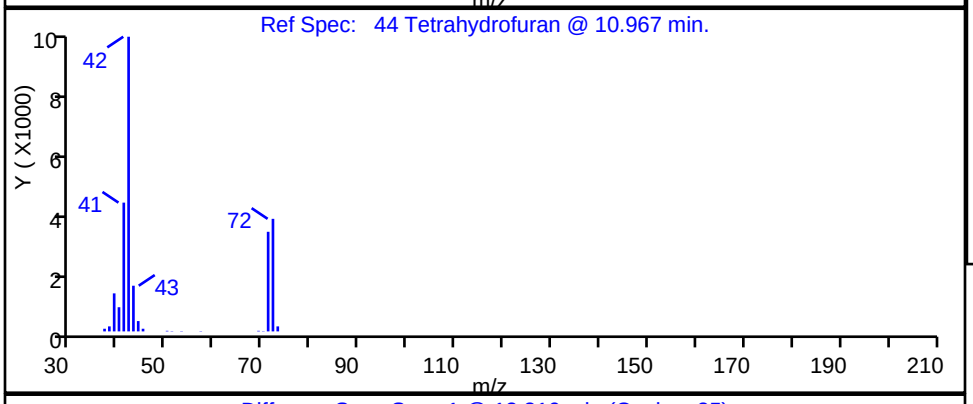
44 Tetrahydrofuran, CAS: 109-99-9

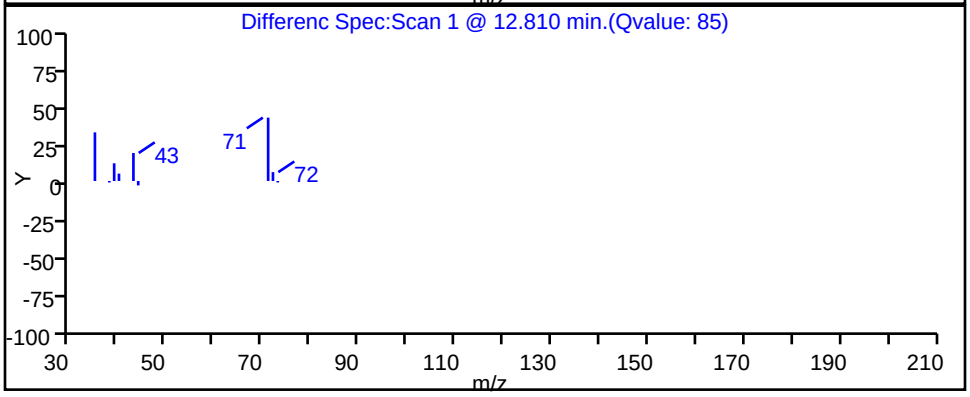








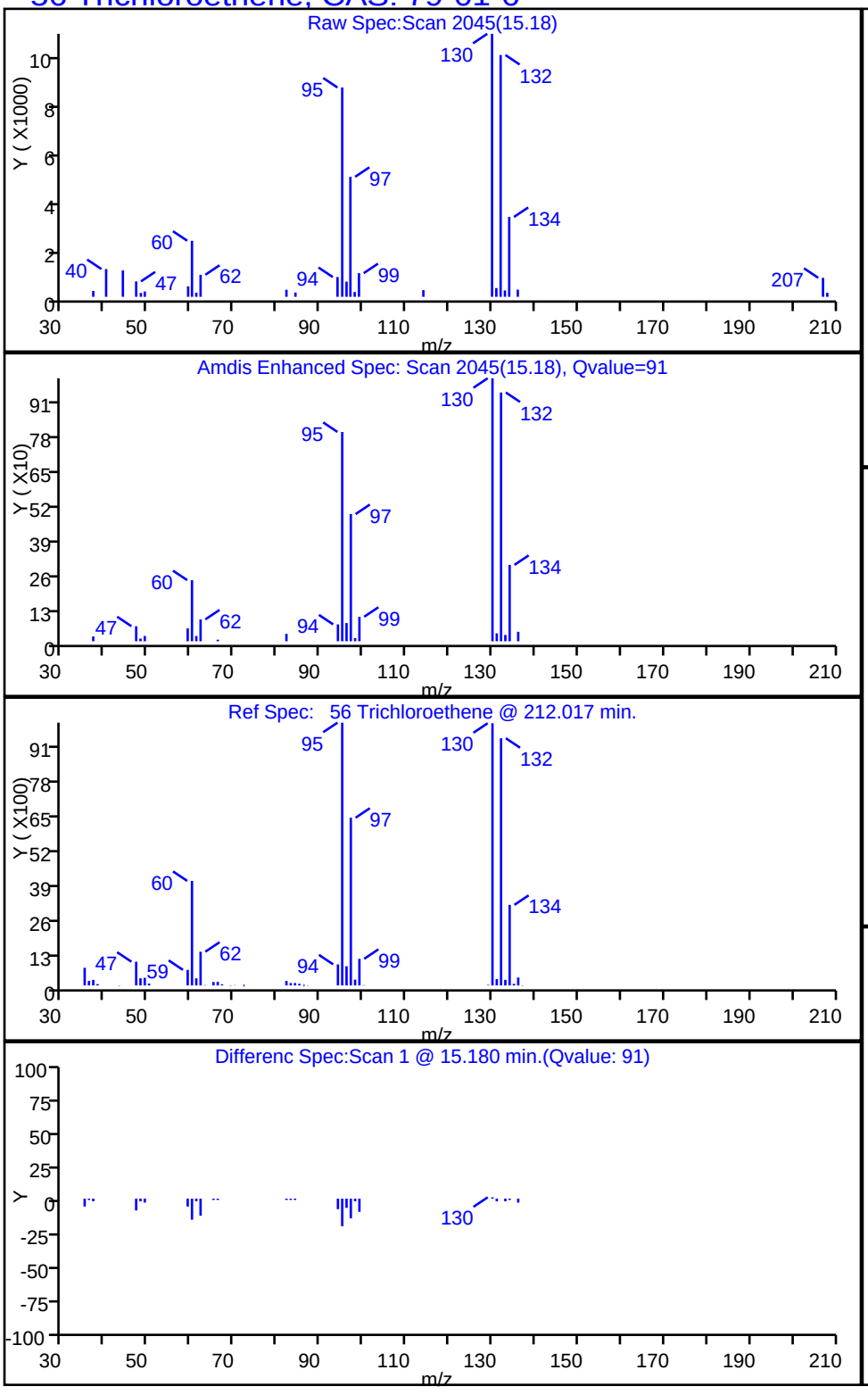


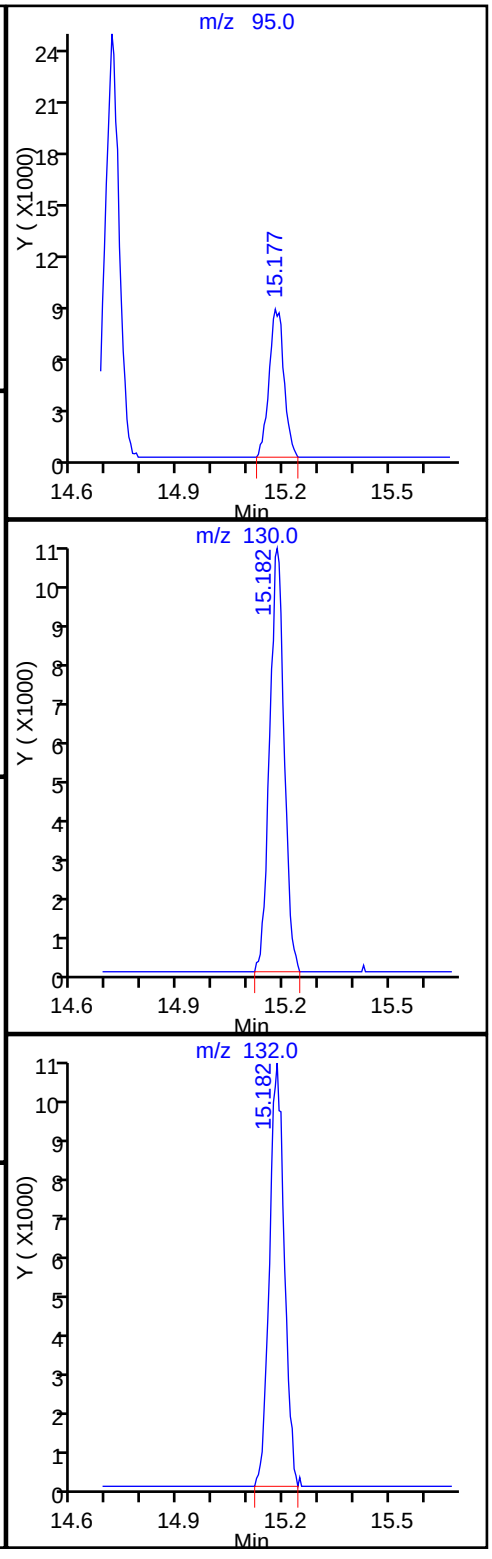


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Lims ID:	280-61460-A-3	Lab Sample ID:	200-61460-3		
Client ID:	101VMP0301EA				
Operator ID:	BPL	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	28.3000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6





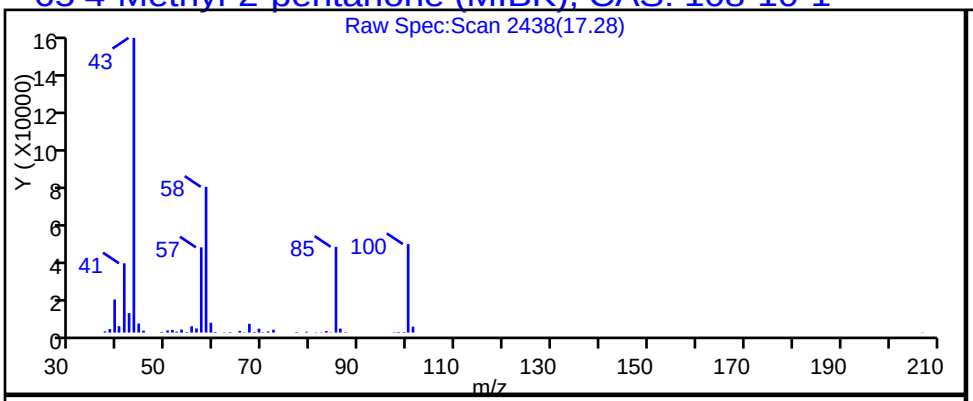
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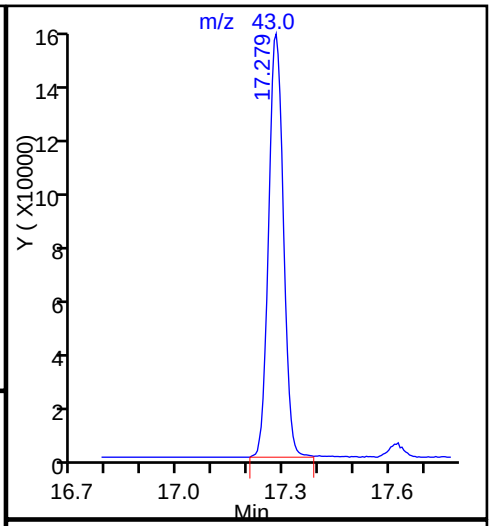
TestAmerica Burlington

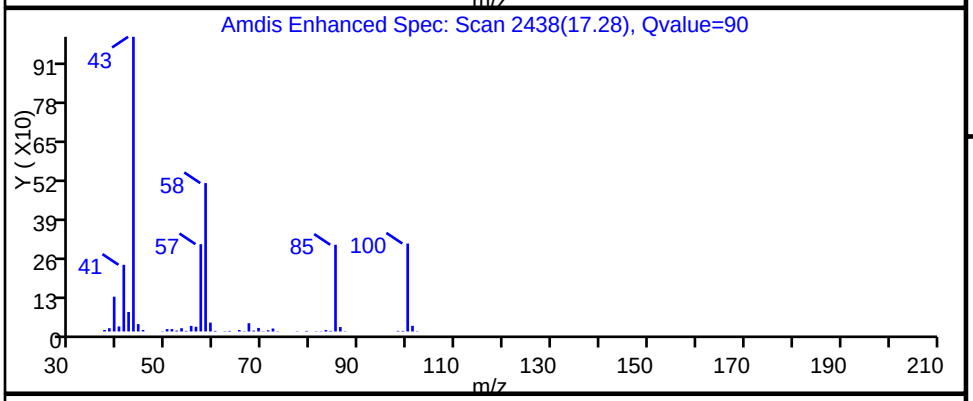
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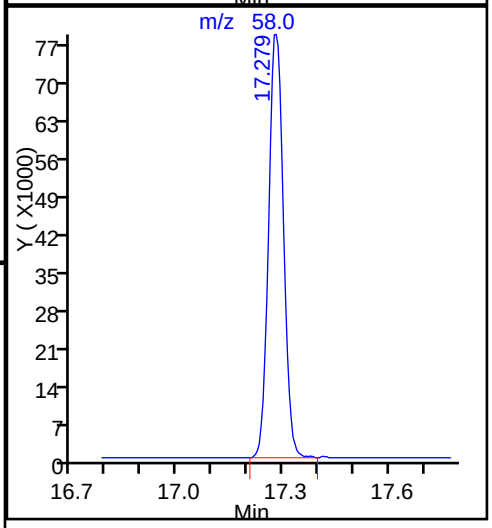
Injection Date:	31-Oct-2014 17:10:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-3	Lab Sample ID:	200-61460-3		
Client ID:	101VMP0301EA				
Operator ID:	BPL	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	28.3000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

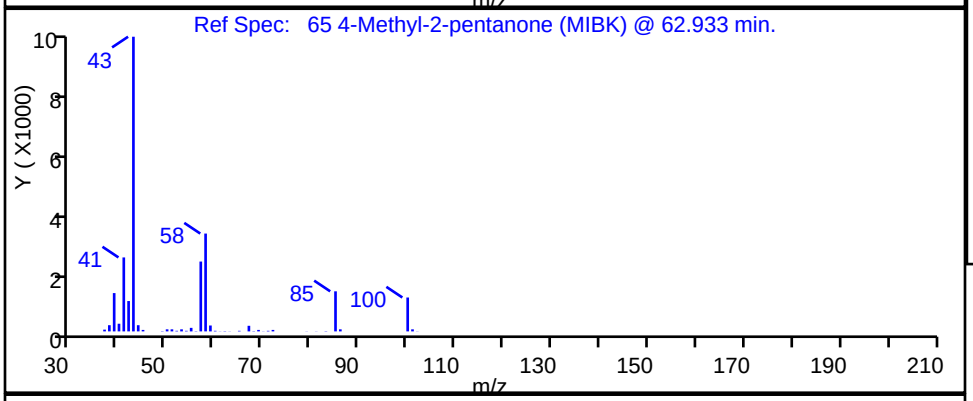
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

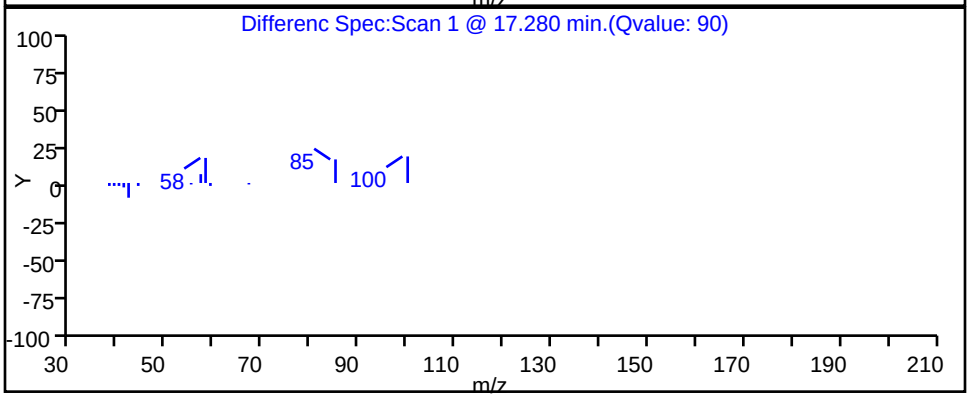












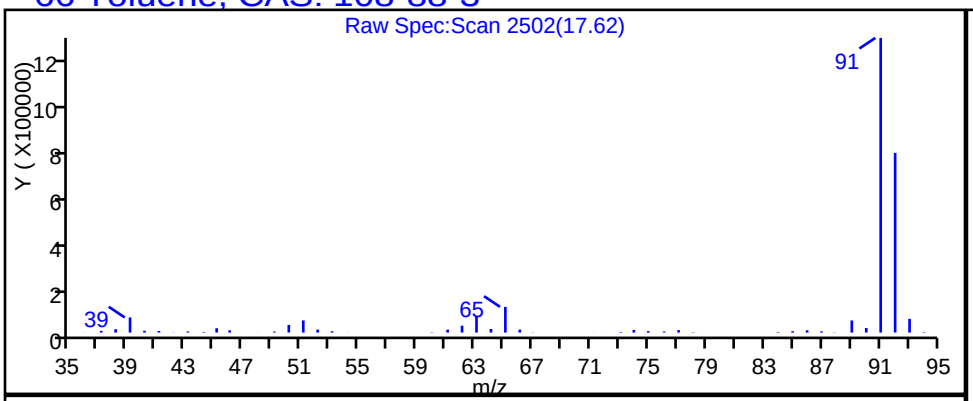
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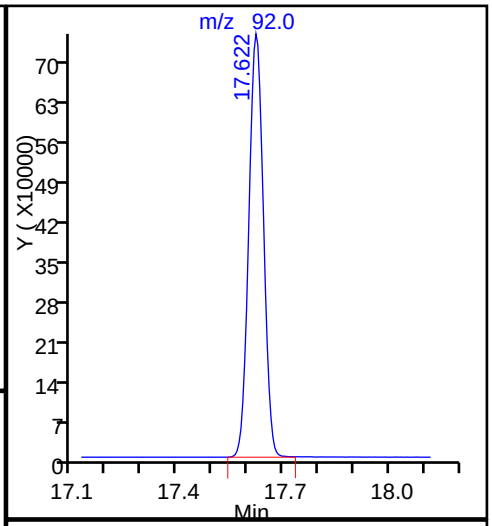
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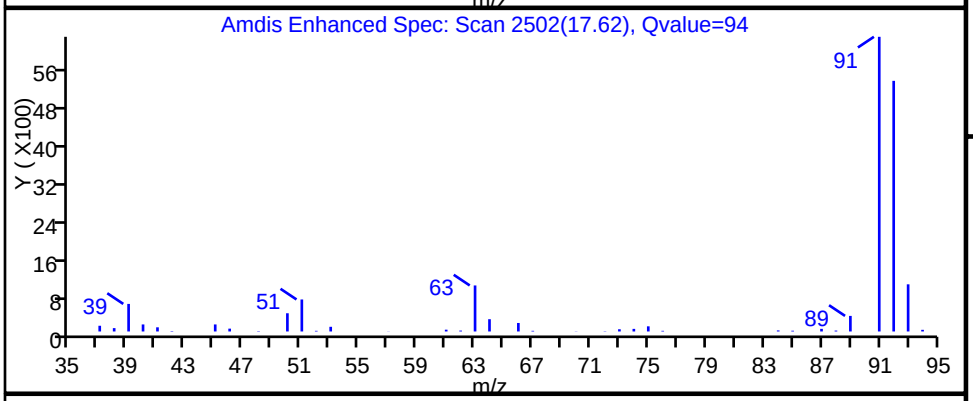
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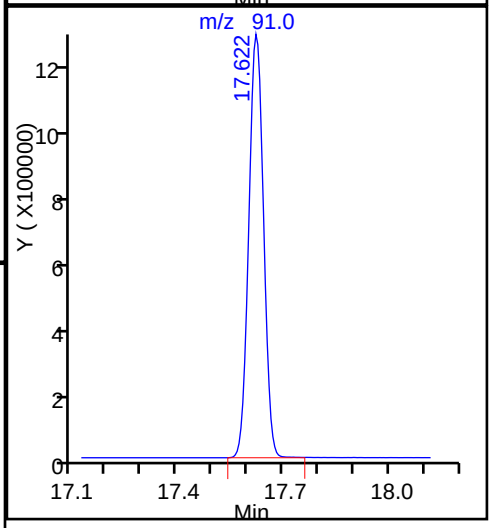
Injection Date:	31-Oct-2014 17:10:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-3	Lab Sample ID:	200-61460-3		
Client ID:	101VMP0301EA				
Operator ID:	BPL	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	28.3000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

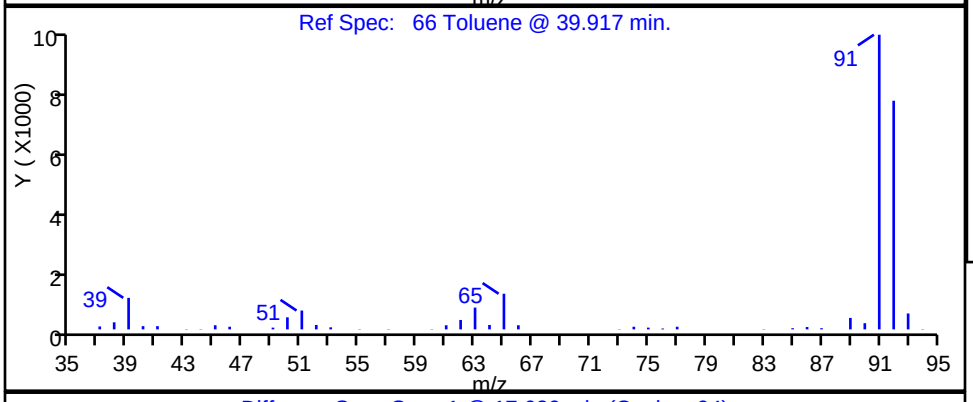
66 Toluene, CAS: 108-88-3

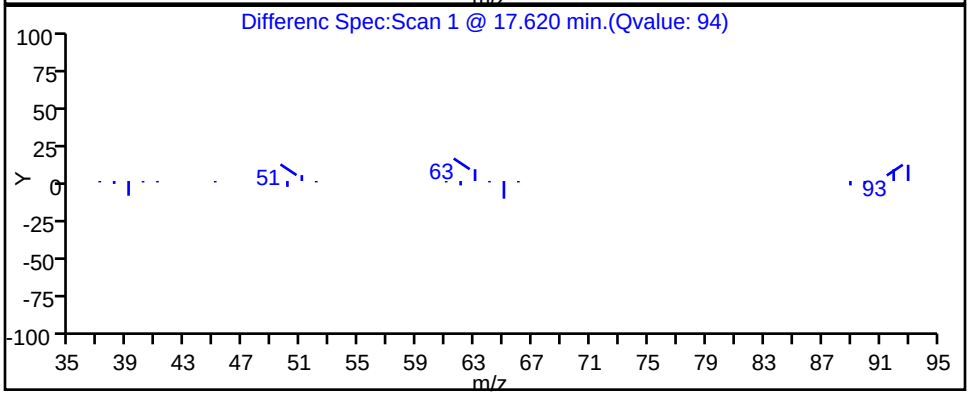












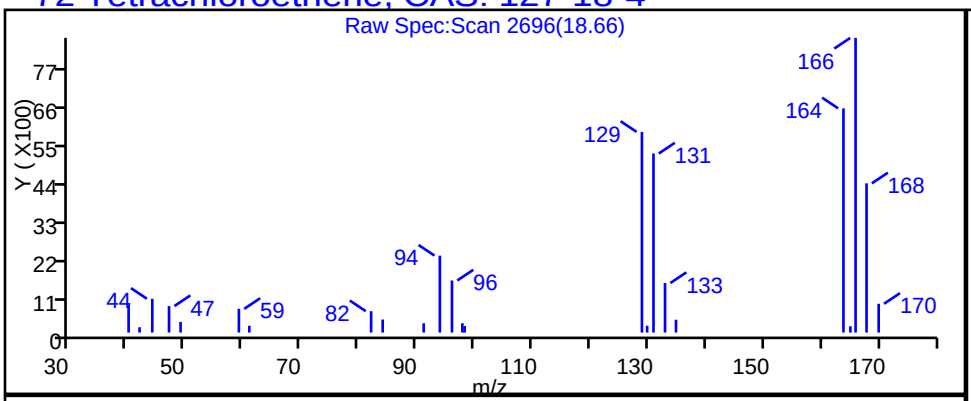
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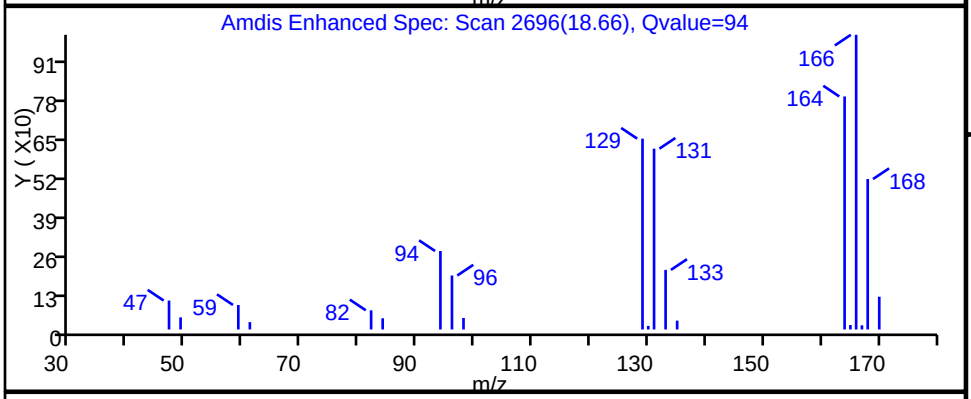
TestAmerica Burlington

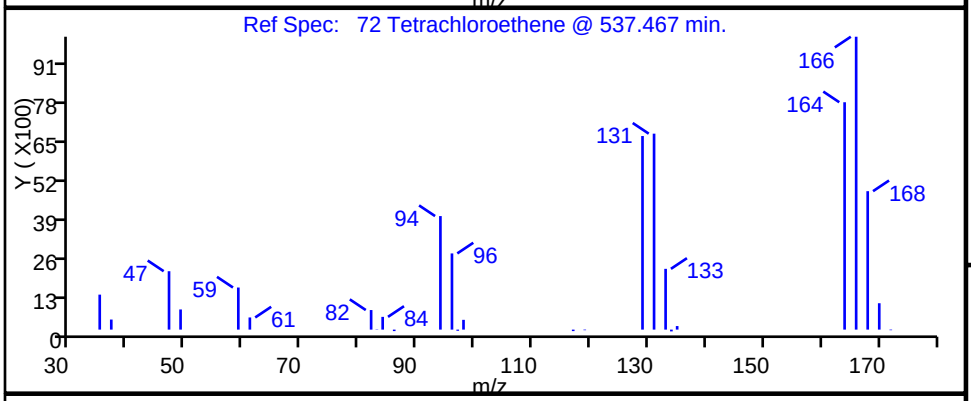
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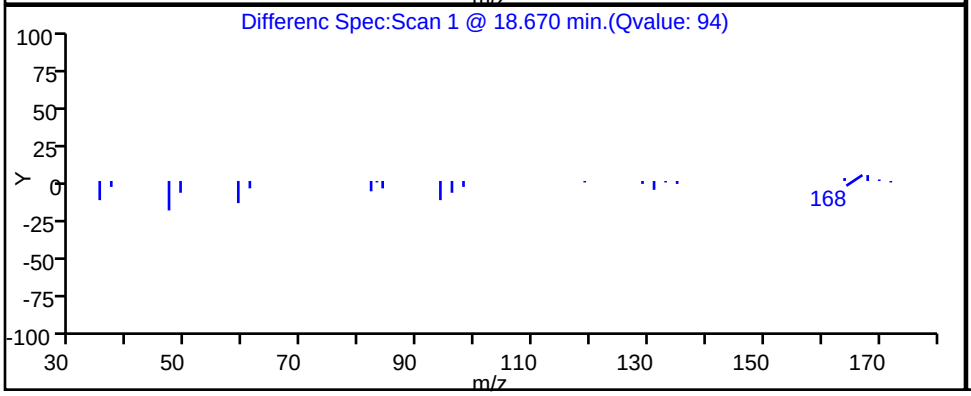
Injection Date:	31-Oct-2014 17:10:30	Instrument ID:	CHW.i
Lims ID:	280-61460-A-3	Lab Sample ID:	200-61460-3
Client ID:	101VMP0301EA		
Operator ID:	BPL	ALS Bottle#:	10 Worklist Smp#: 11
Purge Vol:	200.000 mL	Dil. Factor:	28.3000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

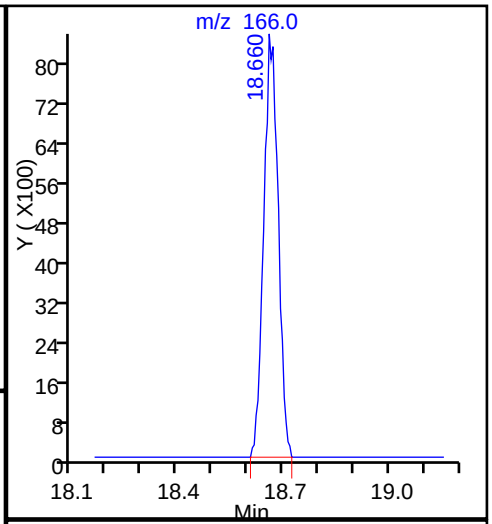
72 Tetrachloroethene, CAS: 127-18-4

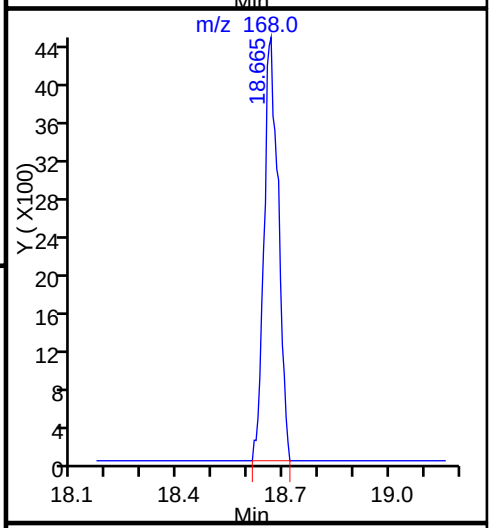


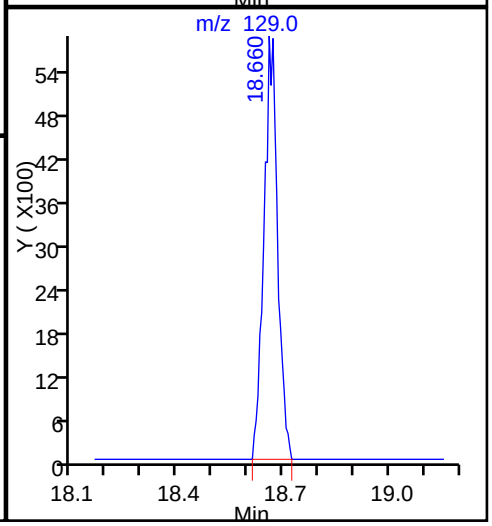












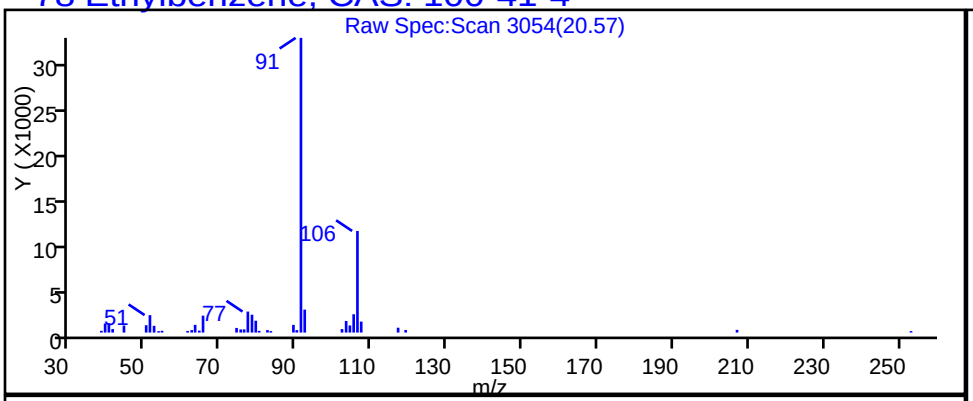
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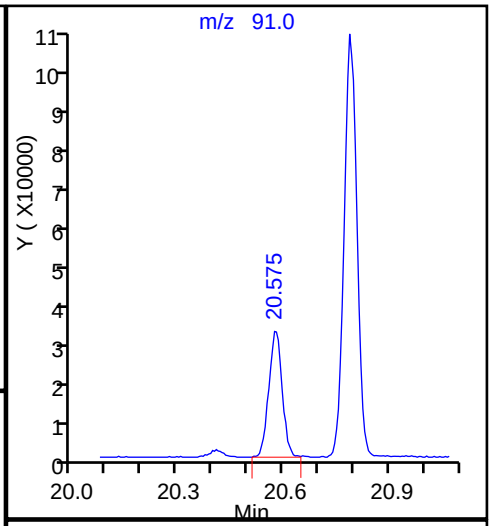
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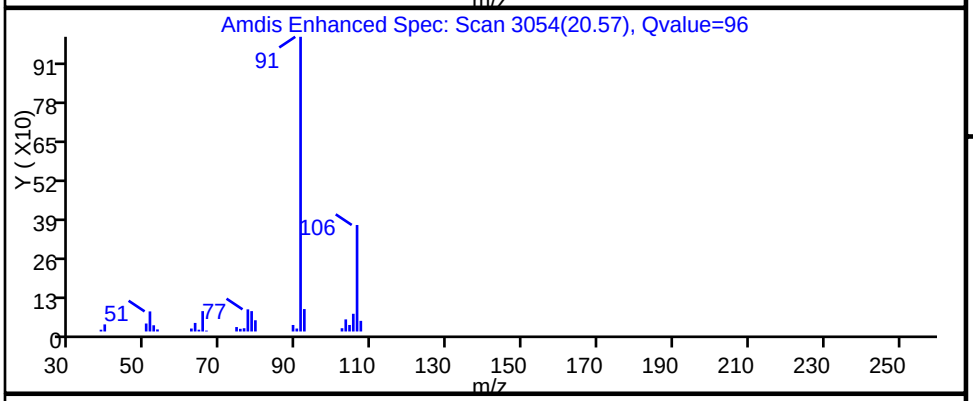
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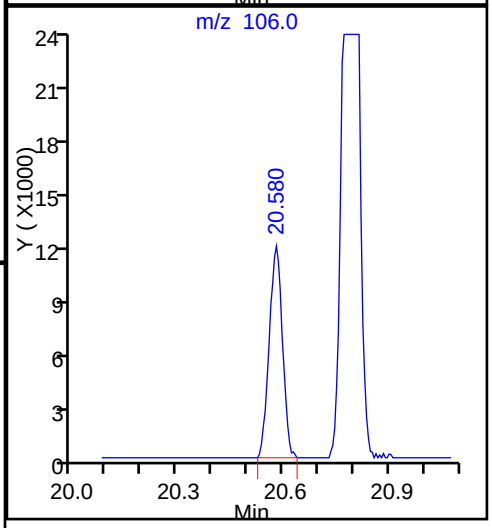
Injection Date:	31-Oct-2014 17:10:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-3	Lab Sample ID:	200-61460-3		
Client ID:	101VMP0301EA				
Operator ID:	BPL	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	28.3000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

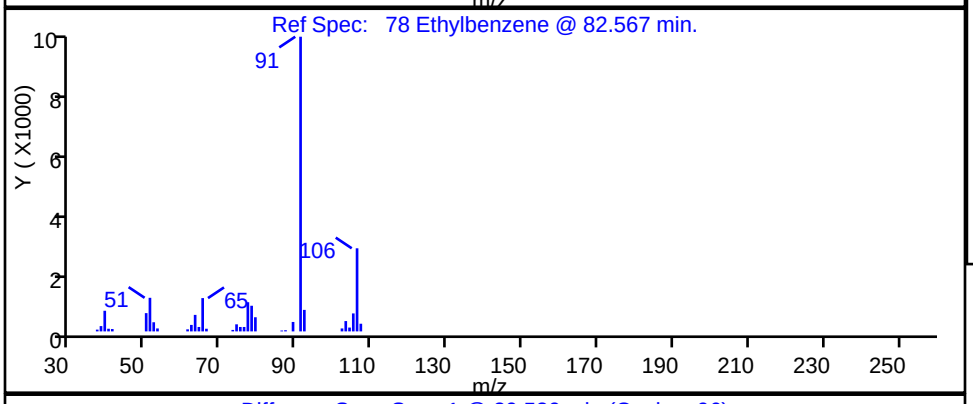
78 Ethylbenzene, CAS: 100-41-4

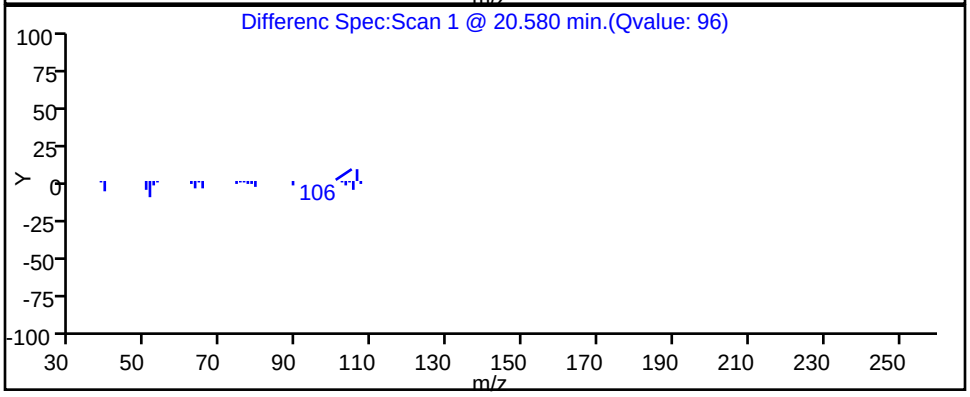












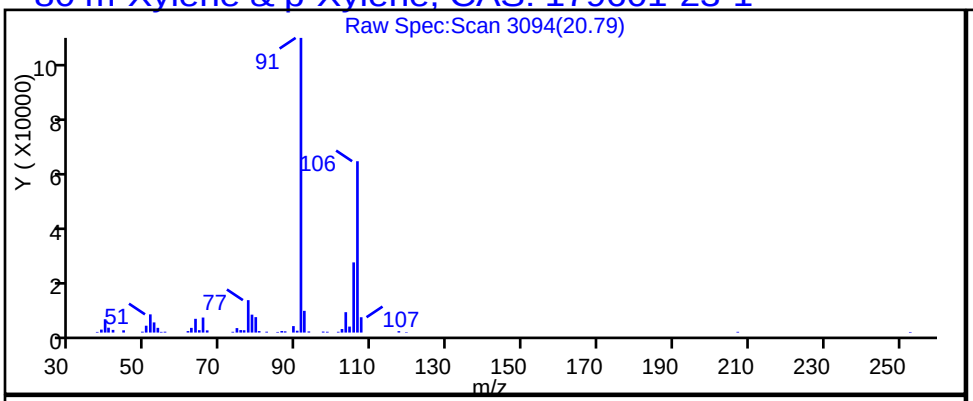
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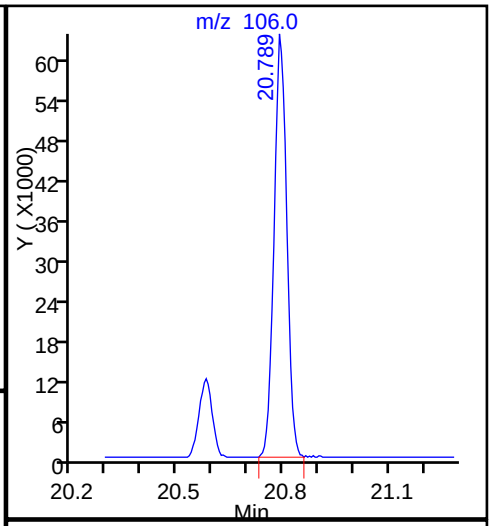
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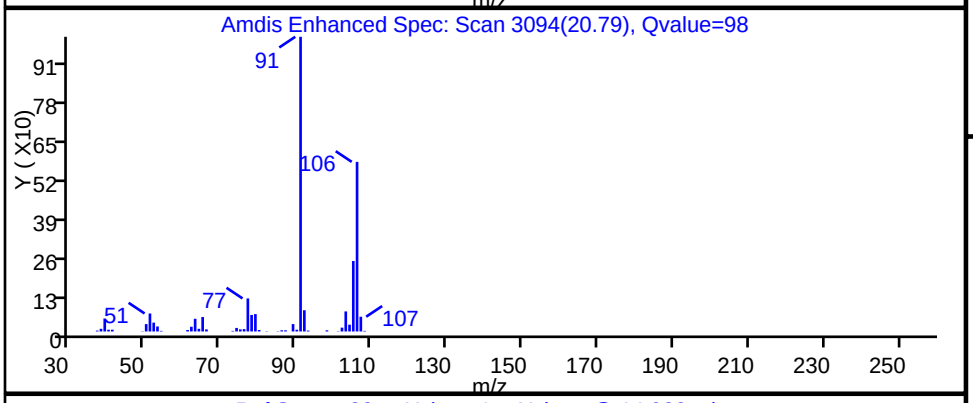
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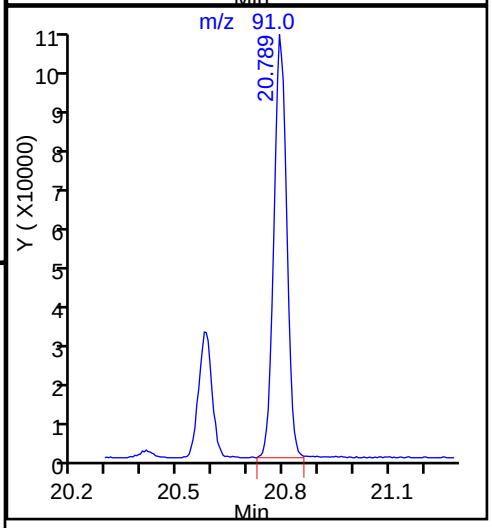
Injection Date:	31-Oct-2014 17:10:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-3	Lab Sample ID:	200-61460-3		
Client ID:	101VMP0301EA				
Operator ID:	BPL	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	28.3000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

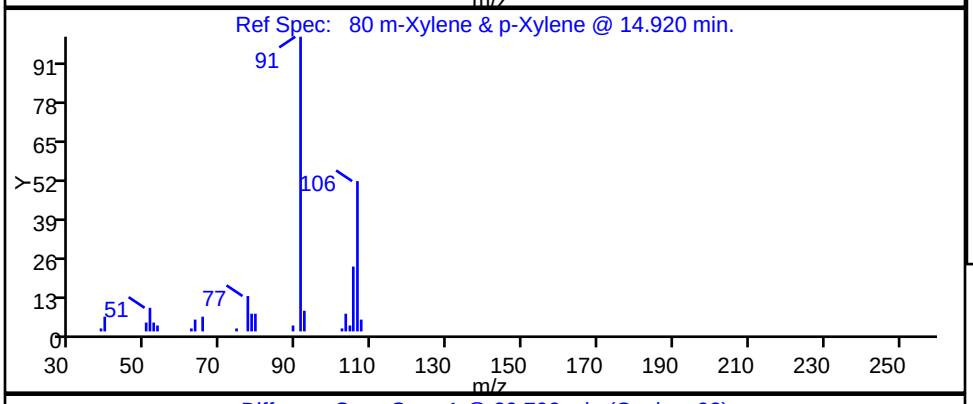
80 m-Xylene & p-Xylene, CAS: 179601-23-1

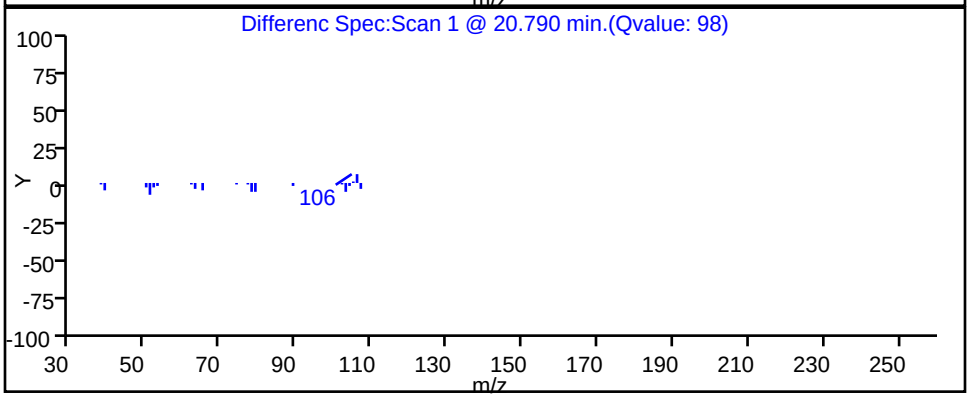








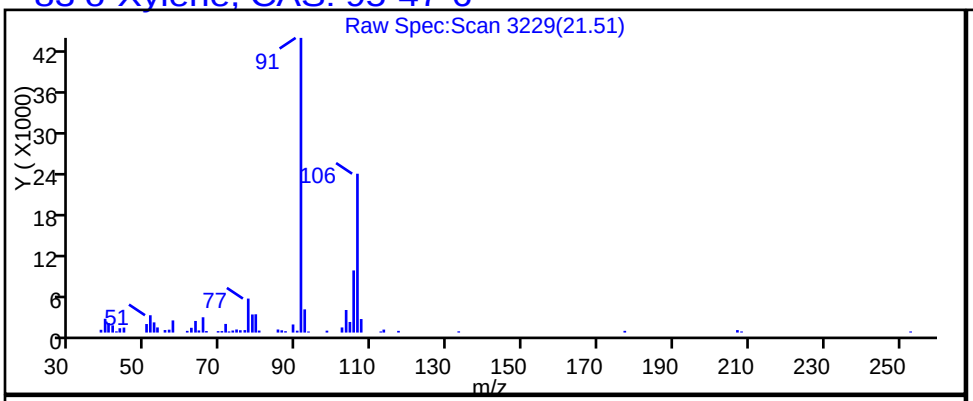


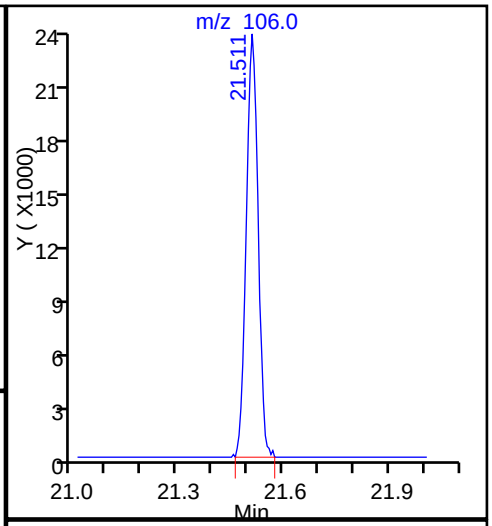


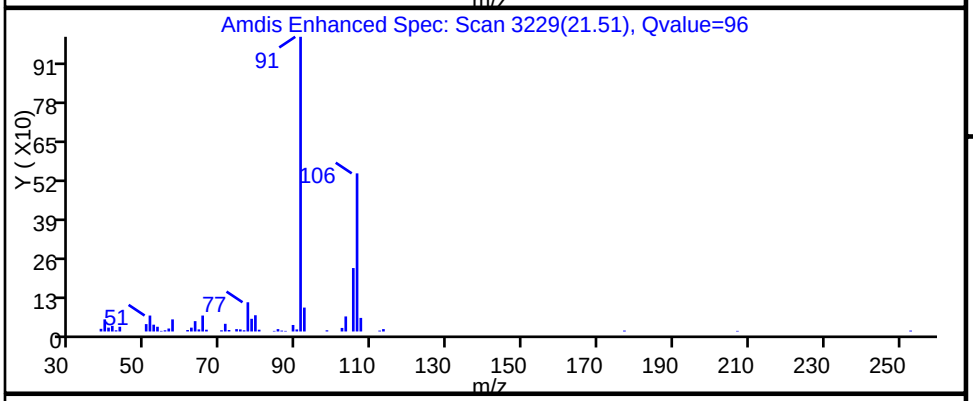
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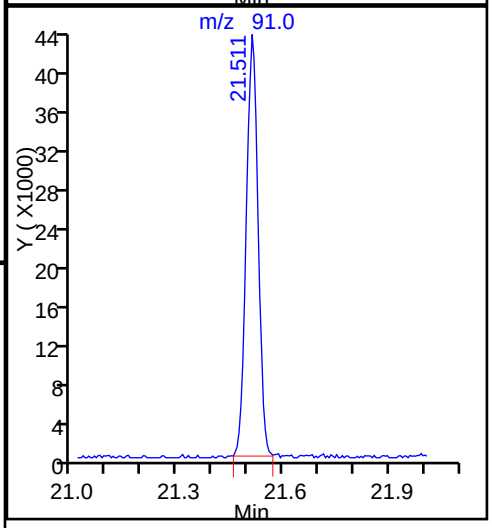
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Injection Date:	31-Oct-2014 17:10:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-3	Lab Sample ID:	200-61460-3		
Client ID:	101VMP0301EA				
Operator ID:	BPL	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	28.3000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

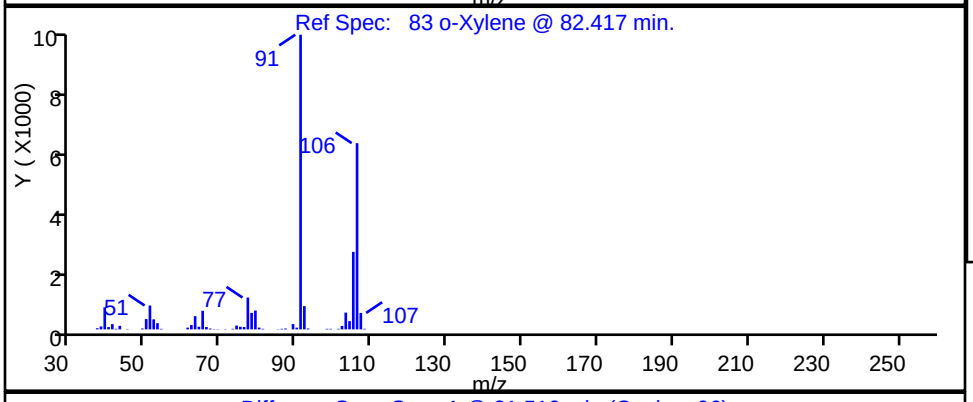
83 o-Xylene, CAS: 95-47-6

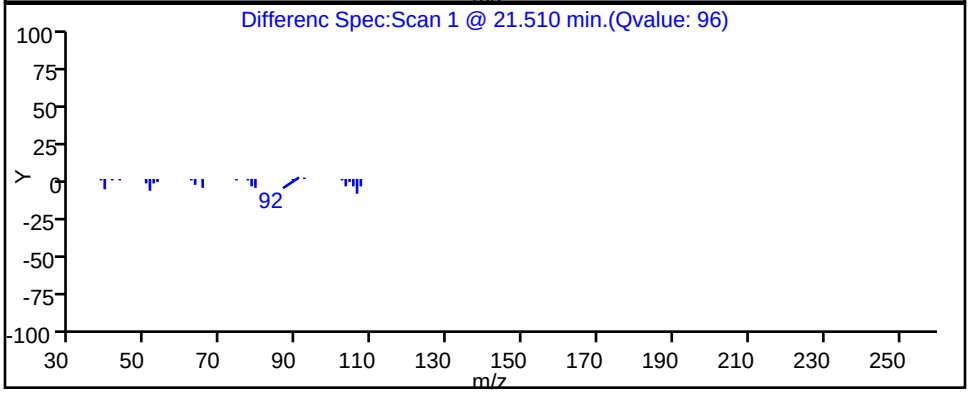












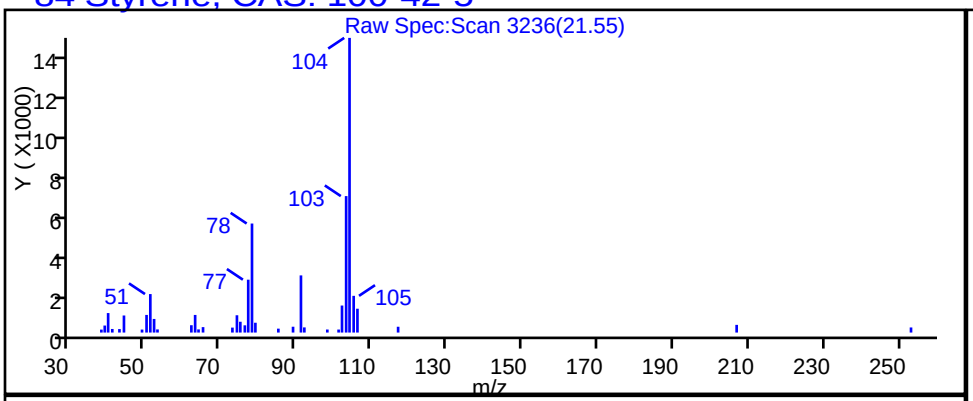
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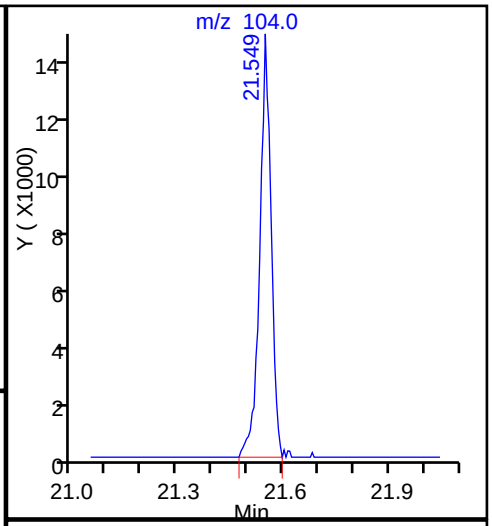
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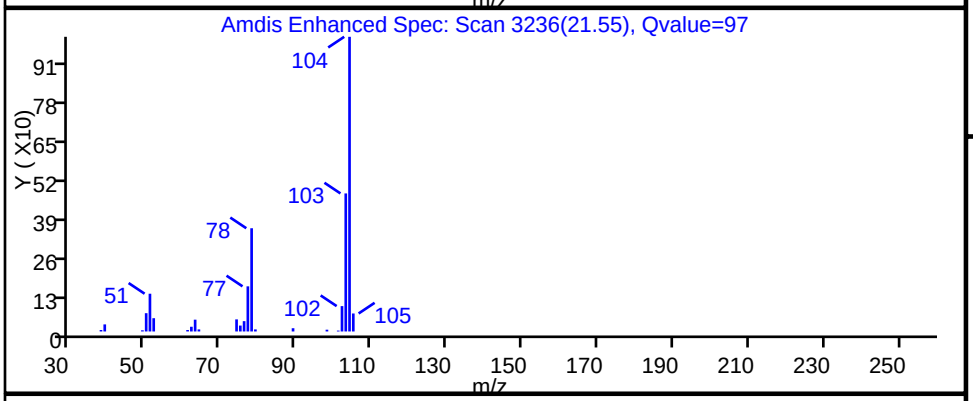
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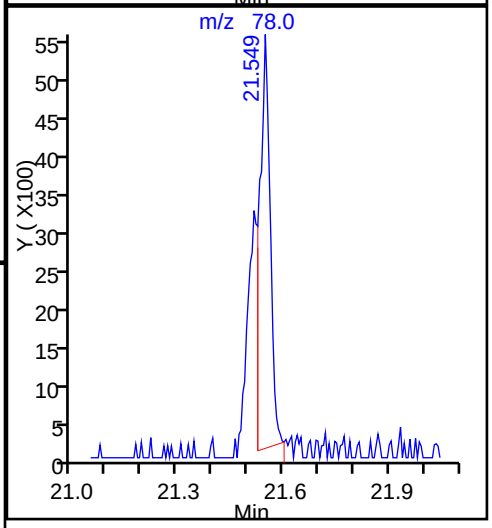
Injection Date:	31-Oct-2014 17:10:30	Instrument ID:	CHW.i
Lims ID:	280-61460-A-3	Lab Sample ID:	200-61460-3
Client ID:	101VMP0301EA		
Operator ID:	BPL	ALS Bottle#:	10 Worklist Smp#: 11
Purge Vol:	200.000 mL	Dil. Factor:	28.3000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

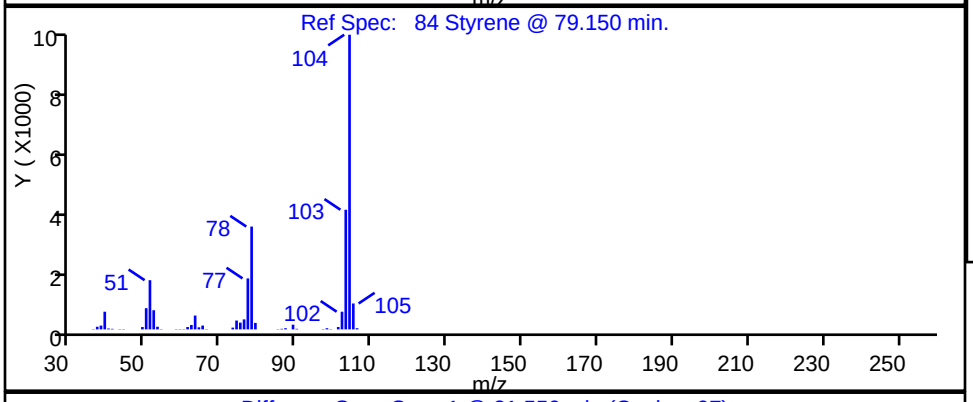
84 Styrene, CAS: 100-42-5

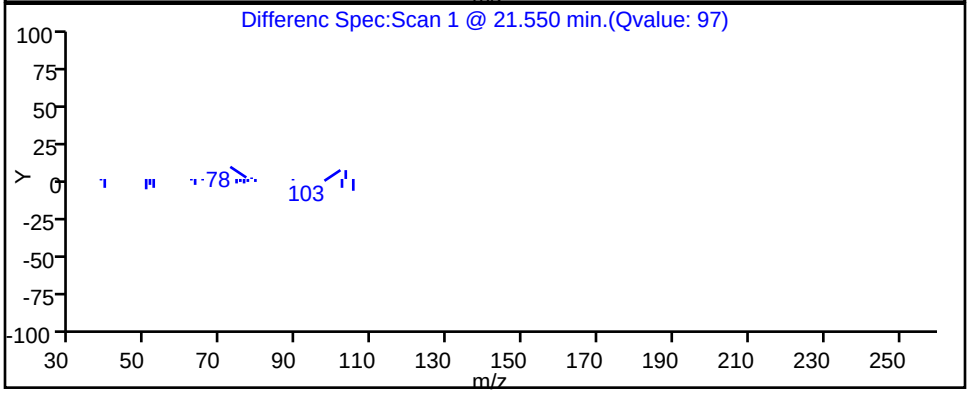












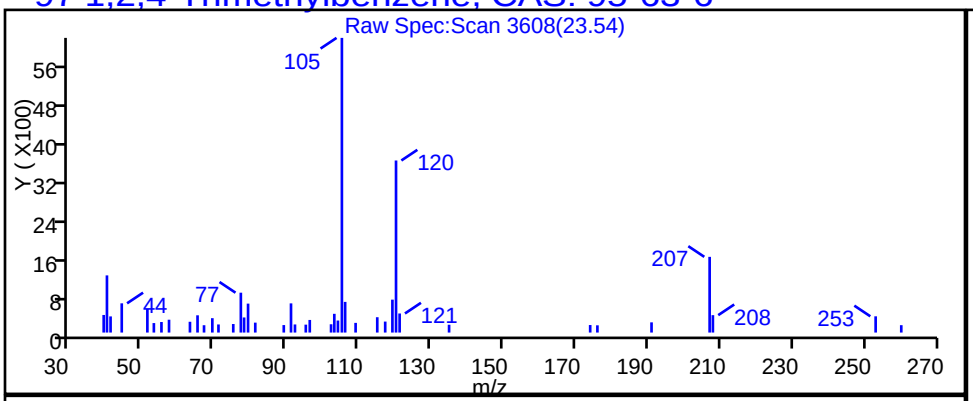
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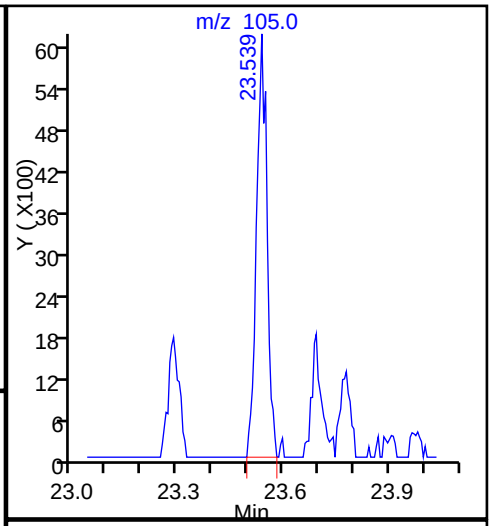
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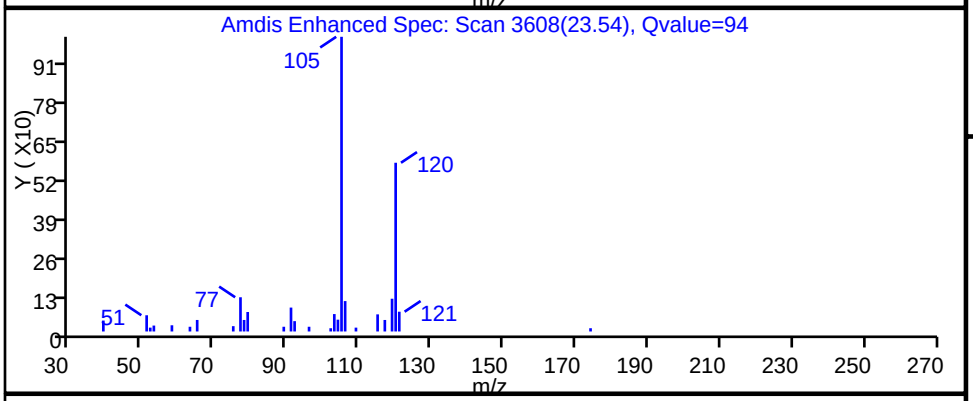
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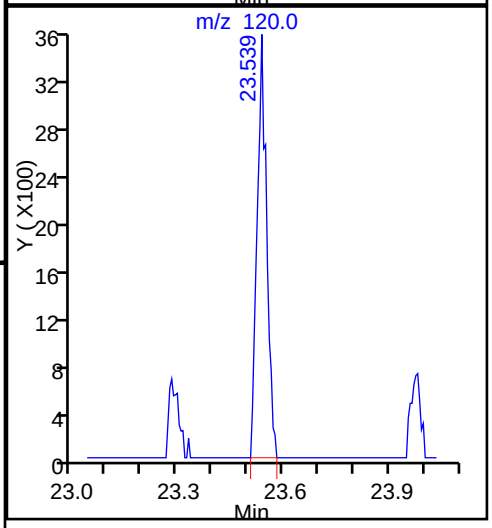
Injection Date:	31-Oct-2014 17:10:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-3	Lab Sample ID:	200-61460-3		
Client ID:	101VMP0301EA				
Operator ID:	BPL	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	28.3000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

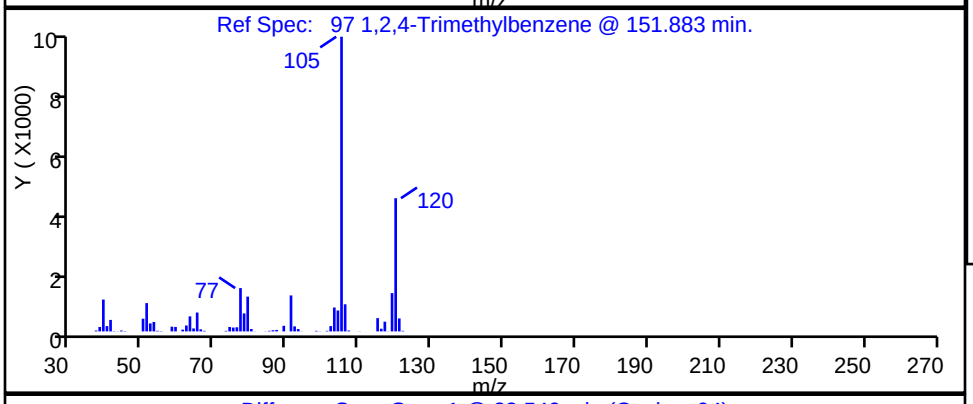
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

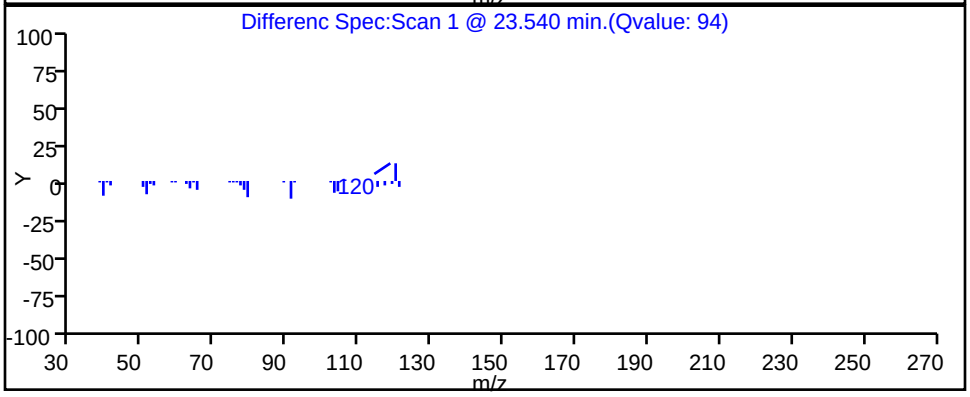












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101VMP0101EC Lab Sample ID: 280-61460-4

Matrix: Air Lab File ID: 10288_012.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:00

Sample wt/vol: 66(mL) Date Analyzed: 10/31/2014 17:58

Soil Aliquot Vol: Dilution Factor: 3.03

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.45	J D	1.5	0.17
75-45-6	Freon 22	86.47	0.42	J D	1.5	0.24
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.24	U	0.61	0.16
74-87-3	Chloromethane	50.49	0.61	U	1.5	0.18
106-97-8	n-Butane	58.12	0.61	U	1.5	0.55
75-01-4	Vinyl chloride	62.50	0.091	U	0.61	0.079
106-99-0	1,3-Butadiene	54.09	0.24	U	0.61	0.11
74-83-9	Bromomethane	94.94	0.24	U	0.61	0.13
75-00-3	Chloroethane	64.52	0.24	U	1.5	0.18
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.091	U	0.61	0.061
75-69-4	Trichlorofluoromethane	137.37	0.42	J D	0.61	0.14
76-13-1	Freon TF	187.38	0.24	U	0.61	0.12
75-35-4	1,1-Dichloroethene	96.94	0.091	U	0.61	0.030
67-64-1	Acetone	58.08	65	D	15	2.1
67-63-0	Isopropyl alcohol	60.10	20	D	15	0.45
75-15-0	Carbon disulfide	76.14	0.52	J D	1.5	0.091
107-05-1	3-Chloropropene	76.53	0.61	U	1.5	0.48
75-09-2	Methylene Chloride	84.93	0.61	U	1.5	0.36
75-65-0	tert-Butyl alcohol	74.12	1.7	J D	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.14	J D	0.61	0.067
156-60-5	trans-1,2-Dichloroethene	96.94	0.091	U	0.61	0.082
110-54-3	n-Hexane	86.17	0.39	J D	0.61	0.085
75-34-3	1,1-Dichloroethane	98.96	0.091	U	0.61	0.085
78-93-3	Methyl Ethyl Ketone	72.11	7.3	D	1.5	0.28
156-59-2	cis-1,2-Dichloroethene	96.94	0.24	U	0.61	0.091
540-59-0	1,2-Dichloroethene, Total	96.94	0.24	U	0.61	0.16
67-66-3	Chloroform	119.38	5.2	D	0.61	0.12
109-99-9	Tetrahydrofuran	72.11	9.5	J D	15	0.55
71-55-6	1,1,1-Trichloroethane	133.41	0.12	J D	0.61	0.091
110-82-7	Cyclohexane	84.16	0.43	J D	0.61	0.030
56-23-5	Carbon tetrachloride	153.81	0.10	J D	0.61	0.033
540-84-1	2,2,4-Trimethylpentane	114.23	0.12	J D	0.61	0.070
71-43-2	Benzene	78.11	0.27	J D	0.61	0.088
107-06-2	1,2-Dichloroethane	98.96	0.24	U	0.61	0.16

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101VMP0101EC Lab Sample ID: 280-61460-4

Matrix: Air Lab File ID: 10288_012.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:00

Sample wt/vol: 66(mL) Date Analyzed: 10/31/2014 17:58

Soil Aliquot Vol: Dilution Factor: 3.03

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.24	U	0.61	0.11
79-01-6	Trichloroethene	131.39	3.3	D	0.61	0.091
80-62-6	Methyl methacrylate	100.12	0.37	J D	1.5	0.29
78-87-5	1,2-Dichloropropane	112.99	0.24	U	0.61	0.11
123-91-1	1,4-Dioxane	88.11	0.61	U	15	0.48
75-27-4	Bromodichloromethane	163.83	0.091	U	0.61	0.088
10061-01-5	cis-1,3-Dichloropropene	110.97	0.091	U	0.61	0.088
108-10-1	methyl isobutyl ketone	100.16	0.61	U	1.5	0.55
108-88-3	Toluene	92.14	9.2	D	0.61	0.076
10061-02-6	trans-1,3-Dichloropropene	110.97	0.091	U	0.61	0.079
79-00-5	1,1,2-Trichloroethane	133.41	0.24	U	0.61	0.11
127-18-4	Tetrachloroethene	165.83	0.091	U	0.61	0.091
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.61	U	1.5	0.52
124-48-1	Dibromochloromethane	208.29	0.091	U	0.61	0.061
106-93-4	1,2-Dibromoethane	187.87	0.091	U	0.61	0.055
108-90-7	Chlorobenzene	112.56	0.13	J D	0.61	0.055
100-41-4	Ethylbenzene	106.17	1.0	D	0.61	0.061
179601-23-1	m,p-Xylene	106.17	3.6	D	1.5	0.076
95-47-6	Xylene, o-	106.17	1.0	D	0.61	0.055
1330-20-7	Xylene (total)	106.17	4.6		0.61	0.12
100-42-5	Styrene	104.15	0.48	J D	0.61	0.048
75-25-2	Bromoform	252.75	0.091	U	0.61	0.076
98-82-8	Cumene	120.19	0.12	J D	0.61	0.058
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.24	U	0.61	0.10
103-65-1	n-Propylbenzene	120.19	0.091	U	0.61	0.082
622-96-8	4-Ethyltoluene	120.20	0.28	J D	0.61	0.061
108-67-8	1,3,5-Trimethylbenzene	120.20	0.27	J D	0.61	0.058
95-49-8	2-Chlorotoluene	126.59	0.24	U	0.61	0.094
98-06-6	tert-Butylbenzene	134.22	0.091	U	0.61	0.061
95-63-6	1,2,4-Trimethylbenzene	120.20	0.86	D	0.61	0.048
135-98-8	sec-Butylbenzene	134.22	0.091	U	0.61	0.064
99-87-6	4-Isopropyltoluene	134.22	0.091	U	0.61	0.061
541-73-1	1,3-Dichlorobenzene	147.00	1.1	D	0.61	0.061
106-46-7	1,4-Dichlorobenzene	147.00	0.091	U	0.61	0.058

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101VMP0101EC Lab Sample ID: 280-61460-4

Matrix: Air Lab File ID: 10288_012.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:00

Sample wt/vol: 66(mL) Date Analyzed: 10/31/2014 17:58

Soil Aliquot Vol: Dilution Factor: 3.03

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.091	U	0.61	0.055
104-51-8	n-Butylbenzene	134.22	0.091	U	0.61	0.085
95-50-1	1,2-Dichlorobenzene	147.00	0.091	U	0.61	0.055
120-82-1	1,2,4-Trichlorobenzene	181.45	0.24	U	1.5	0.10
87-68-3	Hexachlorobutadiene	260.76	0.24	U	0.61	0.11
91-20-3	Naphthalene	128.17	0.24	U	1.5	0.091

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101VMP0101EC Lab Sample ID: 280-61460-4

Matrix: Air Lab File ID: 10288_012.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:00

Sample wt/vol: 66(mL) Date Analyzed: 10/31/2014 17:58

Soil Aliquot Vol: Dilution Factor: 3.03

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.2	J D	7.5	0.84
75-45-6	Freon 22	86.47	1.5	J D	5.4	0.86
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.7	U	4.2	1.1
74-87-3	Chloromethane	50.49	1.3	U	3.1	0.38
106-97-8	n-Butane	58.12	1.4	U	3.6	1.3
75-01-4	Vinyl chloride	62.50	0.23	U	1.5	0.20
106-99-0	1,3-Butadiene	54.09	0.54	U	1.3	0.24
74-83-9	Bromomethane	94.94	0.94	U	2.4	0.52
75-00-3	Chloroethane	64.52	0.64	U	4.0	0.49
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.40	U	2.7	0.27
75-69-4	Trichlorofluoromethane	137.37	2.4	J D	3.4	0.77
76-13-1	Freon TF	187.38	1.9	U	4.6	0.95
75-35-4	1,1-Dichloroethene	96.94	0.36	U	2.4	0.12
67-64-1	Acetone	58.08	150	D	36	5.0
67-63-0	Isopropyl alcohol	60.10	49	D	37	1.1
75-15-0	Carbon disulfide	76.14	1.6	J D	4.7	0.28
107-05-1	3-Chloropropene	76.53	1.9	U	4.7	1.5
75-09-2	Methylene Chloride	84.93	2.1	U	5.3	1.3
75-65-0	tert-Butyl alcohol	74.12	5.2	J D	46	1.1
1634-04-4	Methyl tert-butyl ether	88.15	0.49	J D	2.2	0.24
156-60-5	trans-1,2-Dichloroethene	96.94	0.36	U	2.4	0.32
110-54-3	n-Hexane	86.17	1.4	J D	2.1	0.30
75-34-3	1,1-Dichloroethane	98.96	0.37	U	2.5	0.34
78-93-3	Methyl Ethyl Ketone	72.11	22	D	4.5	0.82
156-59-2	cis-1,2-Dichloroethene	96.94	0.96	U	2.4	0.36
540-59-0	1,2-Dichloroethene, Total	96.94	0.96	U	2.4	0.64
67-66-3	Chloroform	119.38	25	D	3.0	0.56
109-99-9	Tetrahydrofuran	72.11	28	J D	45	1.6
71-55-6	1,1,1-Trichloroethane	133.41	0.67	J D	3.3	0.50
110-82-7	Cyclohexane	84.16	1.5	J D	2.1	0.10
56-23-5	Carbon tetrachloride	153.81	0.66	J D	3.8	0.21
540-84-1	2,2,4-Trimethylpentane	114.23	0.57	J D	2.8	0.33
71-43-2	Benzene	78.11	0.86	J D	1.9	0.28
107-06-2	1,2-Dichloroethane	98.96	0.98	U	2.5	0.64

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101VMP0101EC Lab Sample ID: 280-61460-4

Matrix: Air Lab File ID: 10288_012.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:00

Sample wt/vol: 66(mL) Date Analyzed: 10/31/2014 17:58

Soil Aliquot Vol: Dilution Factor: 3.03

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.99	U	2.5	0.46
79-01-6	Trichloroethene	131.39	17	D	3.3	0.49
80-62-6	Methyl methacrylate	100.12	1.5	J D	6.2	1.2
78-87-5	1,2-Dichloropropane	112.99	1.1	U	2.8	0.49
123-91-1	1,4-Dioxane	88.11	2.2	U	55	1.7
75-27-4	Bromodichloromethane	163.83	0.61	U	4.1	0.59
10061-01-5	cis-1,3-Dichloropropene	110.97	0.41	U	2.8	0.40
108-10-1	methyl isobutyl ketone	100.16	2.5	U	6.2	2.2
108-88-3	Toluene	92.14	35	D	2.3	0.29
10061-02-6	trans-1,3-Dichloropropene	110.97	0.41	U	2.8	0.36
79-00-5	1,1,2-Trichloroethane	133.41	1.3	U	3.3	0.61
127-18-4	Tetrachloroethene	165.83	0.62	U	4.1	0.62
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.5	U	6.2	2.1
124-48-1	Dibromochloromethane	208.29	0.77	U	5.2	0.52
106-93-4	1,2-Dibromoethane	187.87	0.70	U	4.7	0.42
108-90-7	Chlorobenzene	112.56	0.62	J D	2.8	0.25
100-41-4	Ethylbenzene	106.17	4.4	D	2.6	0.26
179601-23-1	m,p-Xylene	106.17	15	D	6.6	0.33
95-47-6	Xylene, o-	106.17	4.4	D	2.6	0.24
1330-20-7	Xylene (total)	106.17	20		2.6	0.54
100-42-5	Styrene	104.15	2.0	J D	2.6	0.21
75-25-2	Bromoform	252.75	0.94	U	6.3	0.78
98-82-8	Cumene	120.19	0.57	J D	3.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.7	U	4.2	0.71
103-65-1	n-Propylbenzene	120.19	0.45	U	3.0	0.40
622-96-8	4-Ethyltoluene	120.20	1.4	J D	3.0	0.30
108-67-8	1,3,5-Trimethylbenzene	120.20	1.3	J D	3.0	0.28
95-49-8	2-Chlorotoluene	126.59	1.3	U	3.1	0.49
98-06-6	tert-Butylbenzene	134.22	0.50	U	3.3	0.33
95-63-6	1,2,4-Trimethylbenzene	120.20	4.2	D	3.0	0.24
135-98-8	sec-Butylbenzene	134.22	0.50	U	3.3	0.35
99-87-6	4-Isopropyltoluene	134.22	0.50	U	3.3	0.33
541-73-1	1,3-Dichlorobenzene	147.00	6.7	D	3.6	0.36
106-46-7	1,4-Dichlorobenzene	147.00	0.55	U	3.6	0.35

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101VMP0101EC Lab Sample ID: 280-61460-4

Matrix: Air Lab File ID: 10288_012.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:00

Sample wt/vol: 66(mL) Date Analyzed: 10/31/2014 17:58

Soil Aliquot Vol: Dilution Factor: 3.03

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.47	U	3.1	0.28
104-51-8	n-Butylbenzene	134.22	0.50	U	3.3	0.47
95-50-1	1,2-Dichlorobenzene	147.00	0.55	U	3.6	0.33
120-82-1	1,2,4-Trichlorobenzene	181.45	1.8	U	11	0.76
87-68-3	Hexachlorobutadiene	260.76	2.6	U	6.5	1.2
91-20-3	Naphthalene	128.17	1.3	U	7.9	0.48

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_012.d
Lims ID: 280-61460-A-4 Lab Sample ID: 200-61460-4
Client ID: 101VMP0101EC
Sample Type: Client
Inject. Date: 31-Oct-2014 17:58:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 3.0300
Sample Info: 200-0010288-012
Misc. Info.: 280-61460-a-4
Operator ID: BPL Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 03-Nov-2014 09:12:42 Calib Date: 30-Oct-2014 19:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: lyonsb Date: 03-Nov-2014 09:03:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.478	4.483	-0.005	98	26374	0.1479	
6 Chlorodifluoromethane	51	4.531	4.547	-0.016	95	11458	0.1395	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.831				ND	
8 Chloromethane	50		5.029				ND	
9 Butane	43		5.291				ND	
10 Vinyl chloride	62		5.350				ND	
11 Butadiene	54		5.446				ND	
12 Bromomethane	94		6.307				ND	
14 Chloroethane	64		6.591				ND	
16 Vinyl bromide	106		7.067				ND	
17 Trichlorofluoromethane	101	7.185	7.184	0.001	97	24790	0.1397	
23 1,1,2-Trichloro-1,2,2-trif	101	8.420	8.426	-0.006	96	4886	0.0340	
24 1,1-Dichloroethene	96		8.500				ND	
25 Acetone	43	8.715	8.731	-0.016	91	1552460	21.4	
26 Carbon disulfide	76	8.982	8.987	-0.005	98	29411	0.1723	
27 Isopropyl alcohol	45	9.003	9.025	-0.022	98	380837	6.57	
29 3-Chloro-1-propene	41		9.383				ND	
31 Methylene Chloride	49		9.715				ND	
32 2-Methyl-2-propanol	59	9.875	9.891	-0.016	99	51393	0.5688	
33 Methyl tert-butyl ether	73	10.143	10.138	0.005	89	6997	0.0451	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
34 trans-1,2-Dichloroethene	61		10.212				ND	
36 Hexane	57	10.614	10.630	-0.016	81	9730	0.1278	
37 1,1-Dichloroethane	63		11.175				ND	
39 cis-1,2-Dichloroethene	96		12.352				ND	
40 2-Butanone (MEK)	72	12.352	12.358	-0.006	100	80515	2.41	
44 Tetrahydrofuran	42	12.823	12.828	-0.005	71	155062	3.13	
* 43 Chlorobromomethane	128	12.823	12.834	-0.011	73	602445	10.0	
45 Chloroform	83	12.935	12.941	-0.006	99	229025	1.71	
46 Cyclohexane	84	13.235	13.240	-0.005	85	12699	0.1434	
47 1,1,1-Trichloroethane	97	13.240	13.251	-0.011	58	5732	0.0406	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	13.487	13.508	-0.022	93	5337	0.0346	
51 Isooctane	57	13.882	13.898	-0.016	97	9957	0.0404	
50 Benzene	78	13.957	13.957	0.000	93	18347	0.0886	
52 1,2-Dichloroethane	62		14.118				ND	
53 n-Heptane	43		14.246				ND	
* 54 1,4-Difluorobenzene	114	14.712	14.717	-0.005	91	2786386	10.0	
56 Trichloroethene	95	15.177	15.182	-0.005	91	100720	1.07	
58 1,2-Dichloropropane	63		15.696				ND	
59 Methyl methacrylate	69	15.765	15.781	-0.016	89	8186	0.1236	
60 1,4-Dioxane	88		15.872				ND	
62 Dichlorobromomethane	83		16.193				ND	
64 cis-1,3-Dichloropropene	75		17.055				ND	
65 4-Methyl-2-pentanone (MIBK	43	17.279	17.285	-0.006	88	12450	0.1196	
66 Toluene	92	17.616	17.627	-0.011	93	475077	3.05	
70 trans-1,3-Dichloropropene	75		18.157				ND	
71 1,1,2-Trichloroethane	83		18.526				ND	
72 Tetrachloroethene	166	18.660	18.665	-0.005	91	2986	0.0178	
73 2-Hexanone	43		18.906				ND	
74 Chlorodibromomethane	129		19.280				ND	
75 Ethylene Dibromide	107		19.564				ND	
S 82 Xylenes, Total	106				0		1.51	
* 76 Chlorobenzene-d5	117	20.409	20.409	0.000	80	2570594	10.0	
77 Chlorobenzene	112	20.463	20.468	-0.005	86	11049	0.0444	
78 Ethylbenzene	91	20.575	20.580	-0.005	96	109362	0.3311	
80 m-Xylene & p-Xylene	106	20.789	20.794	-0.005	98	166496	1.17	
83 o-Xylene	106	21.511	21.511	0.000	95	46447	0.3322	
84 Styrene	104	21.554	21.548	0.006	94	33326	0.1588	
85 Bromoform	173		21.934				ND	
86 Isopropylbenzene	105	22.078	22.078	0.000	92	14697	0.0381	
$ 87 4-Bromofluorobenzene	95	22.410	22.415	-0.005	97	1572097	NC	
88 1,1,2,2-Tetrachloroethane	83		22.640				ND	
90 N-Propylbenzene	91		22.709				ND	
91 4-Ethyltoluene	105	22.870	22.881	-0.010	98	38318	0.0929	
92 2-Chlorotoluene	91		22.913				ND	
94 1,3,5-Trimethylbenzene	105	22.966	22.971	-0.005	96	30878	0.0894	
96 tert-Butylbenzene	119		23.448				ND	
97 1,2,4-Trimethylbenzene	105	23.533	23.539	-0.005	95	98331	0.2841	
98 sec-Butylbenzene	105		23.774				ND	
99 4-Isopropyltoluene	119		23.977				ND	
100 1,3-Dichlorobenzene	146	24.047	24.047	0.000	99	107405	0.3683	
101 1,4-Dichlorobenzene	146		24.197				ND	
102 Benzyl chloride	91		24.400				ND	
103 n-Butylbenzene	91		24.614				ND	
105 1,2-Dichlorobenzene	146		24.796				ND	
107 1,2,4-Trichlorobenzene	180		27.674				ND	
108 Hexachlorobutadiene	225		27.872				ND	
109 Naphthalene	128		28.257				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15WISs_00003	Amount Added:	20.00	Units: mL	Run Reagent

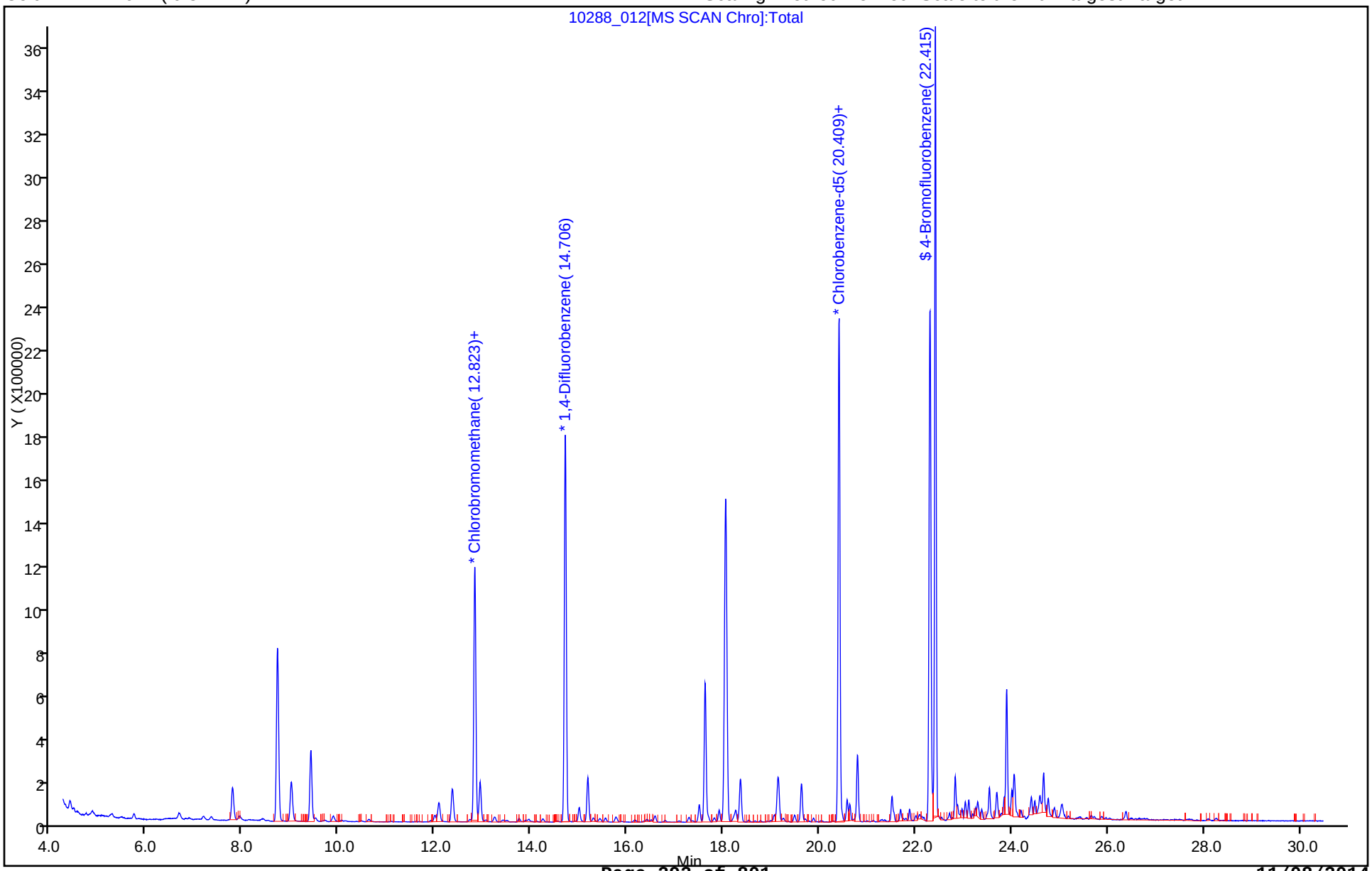
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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_012.d

Injection Date:	31-Oct-2014 17:58:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	280-61460-A-4	Lab Sample ID:	200-61460-4	Worklist Smp#:	12
Client ID:	101VMP0101EC				
Purge Vol:	200.000 mL	Dil. Factor:	3.0300	ALS Bottle#:	11
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



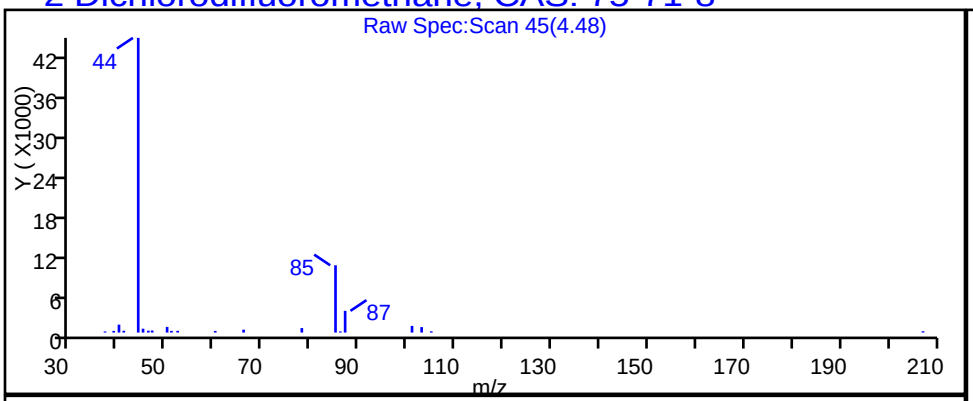
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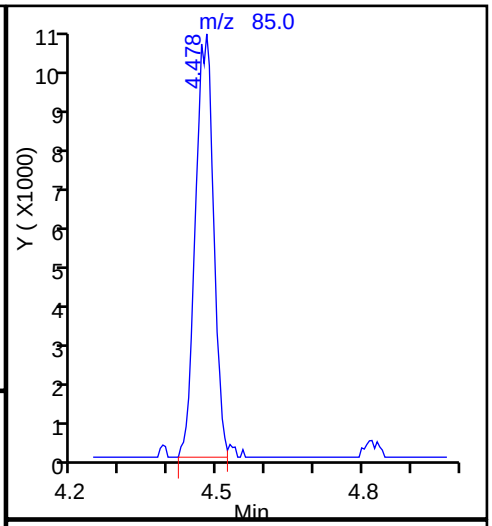
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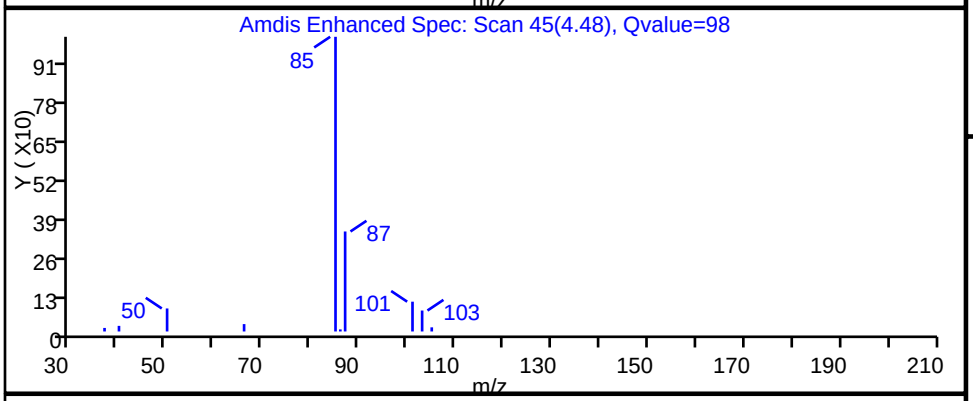
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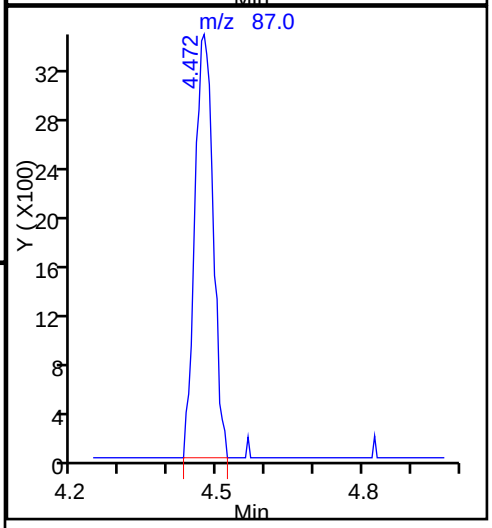
Injection Date:	31-Oct-2014 17:58:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-4	Lab Sample ID:	200-61460-4		
Client ID:	101VMP0101EC				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	3.0300		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

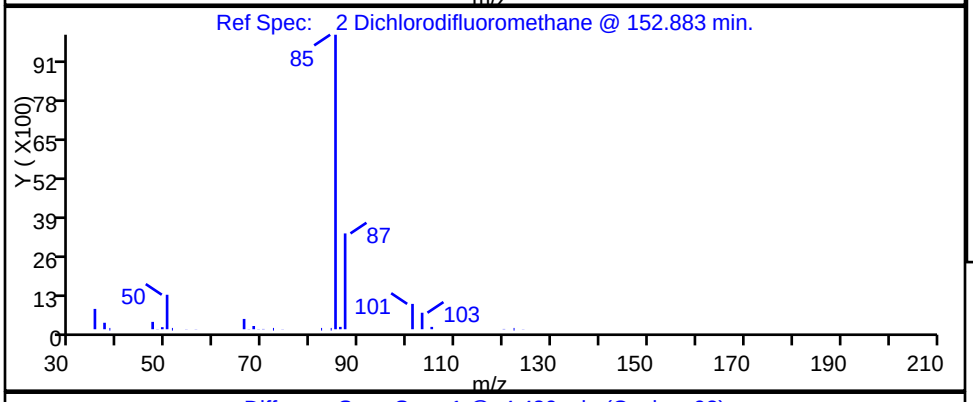
2 Dichlorodifluoromethane, CAS: 75-71-8

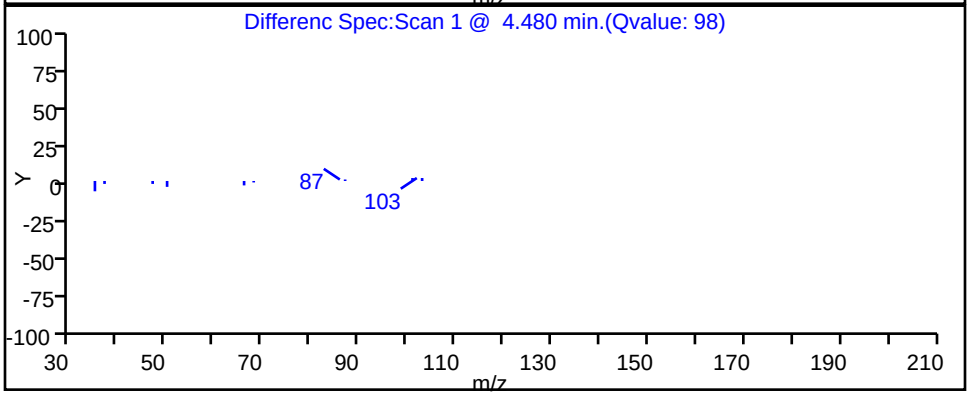












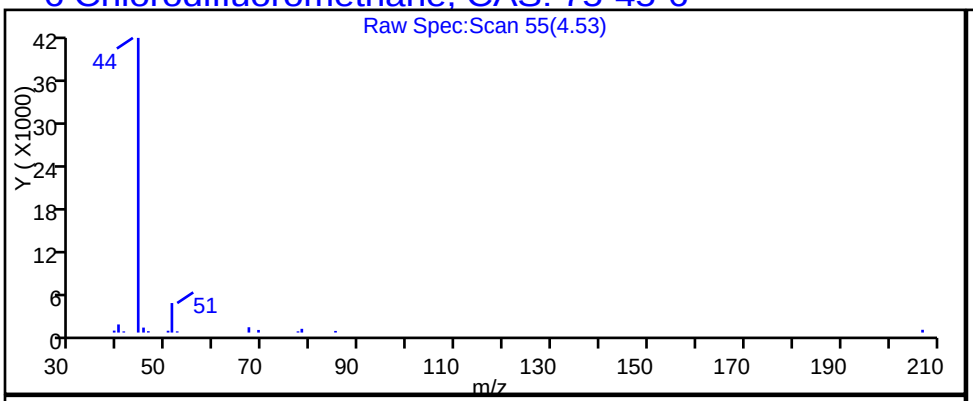
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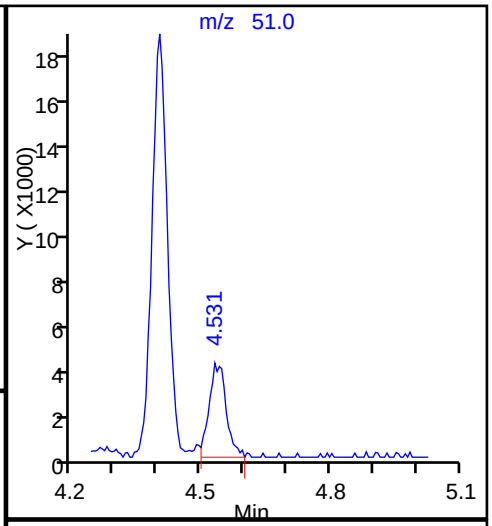
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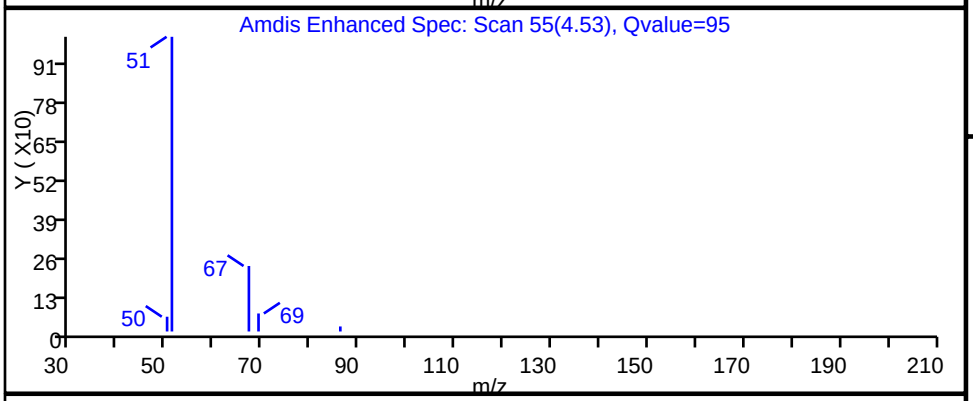
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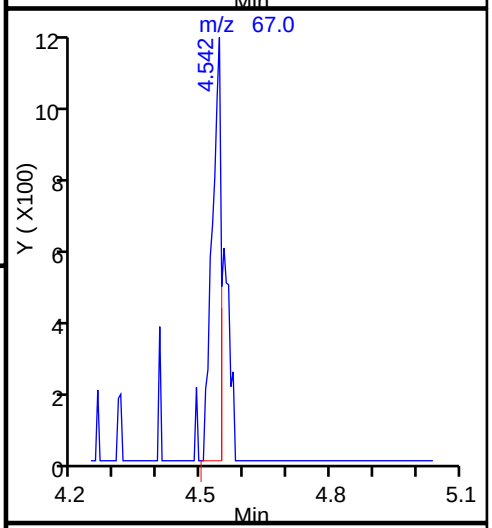
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Lims ID:	280-61460-A-4	Lab Sample ID:	200-61460-4		
Client ID:	101VMP0101EC				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	3.0300		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

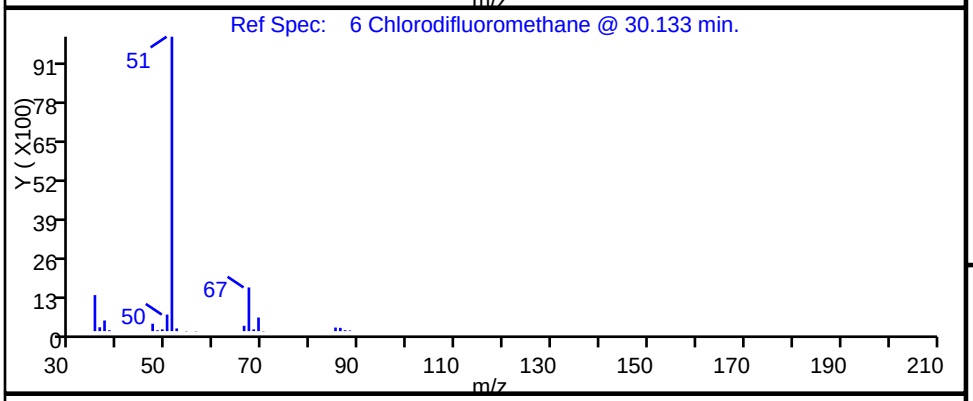
6 Chlorodifluoromethane, CAS: 75-45-6

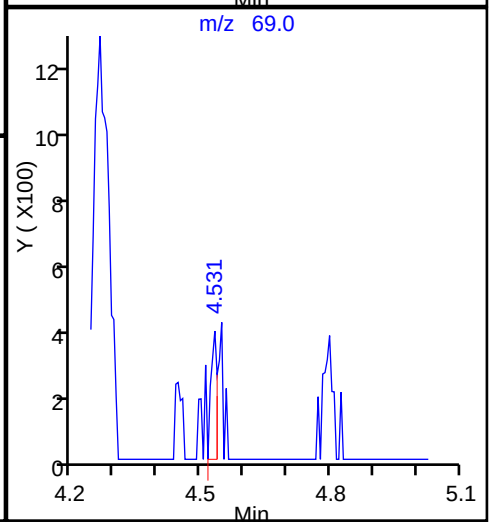


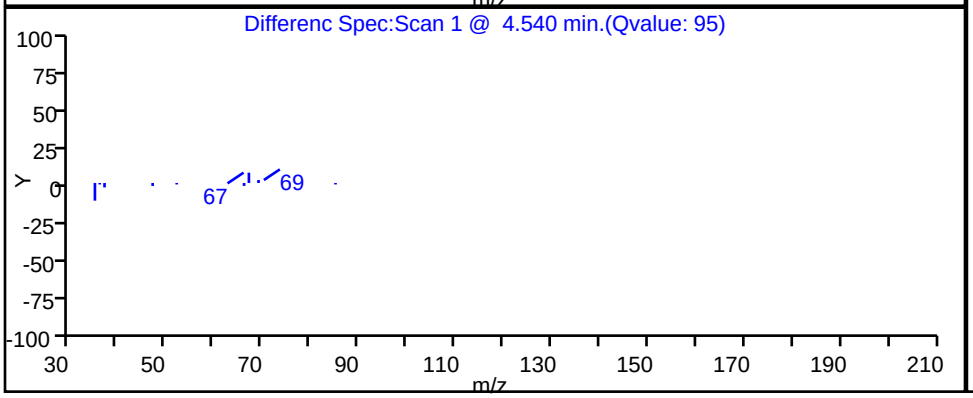












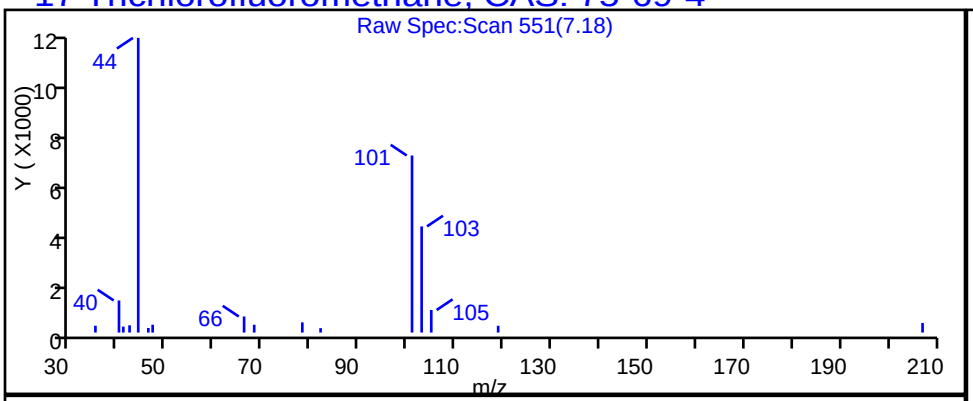
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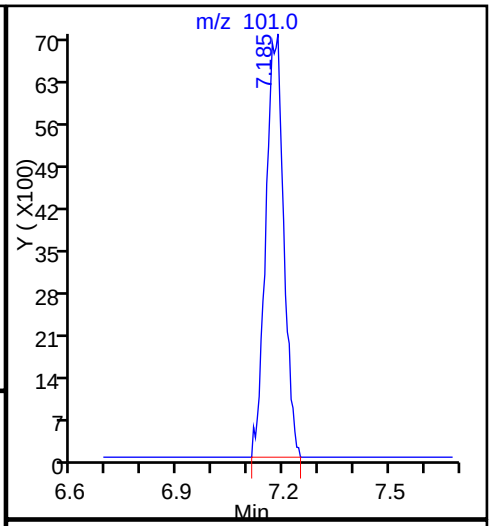
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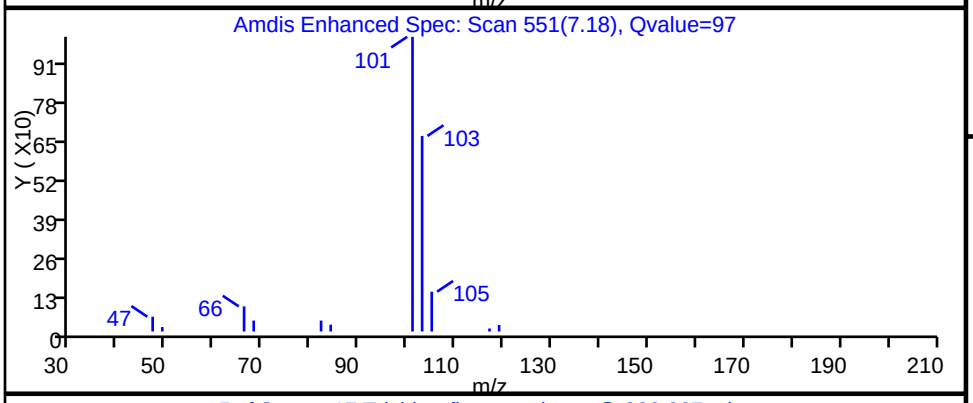
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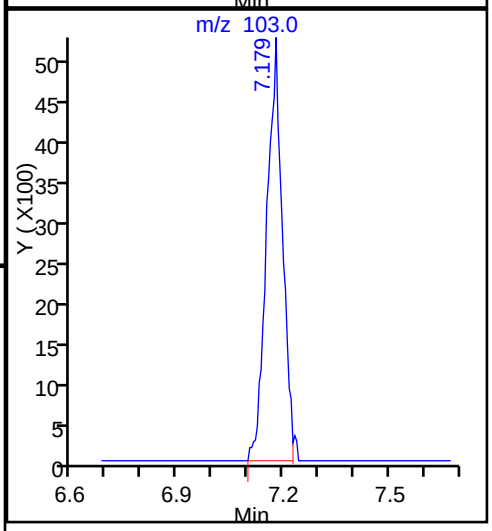
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Lims ID:	280-61460-A-4	Lab Sample ID:	200-61460-4		
Client ID:	101VMP0101EC				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	3.0300		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

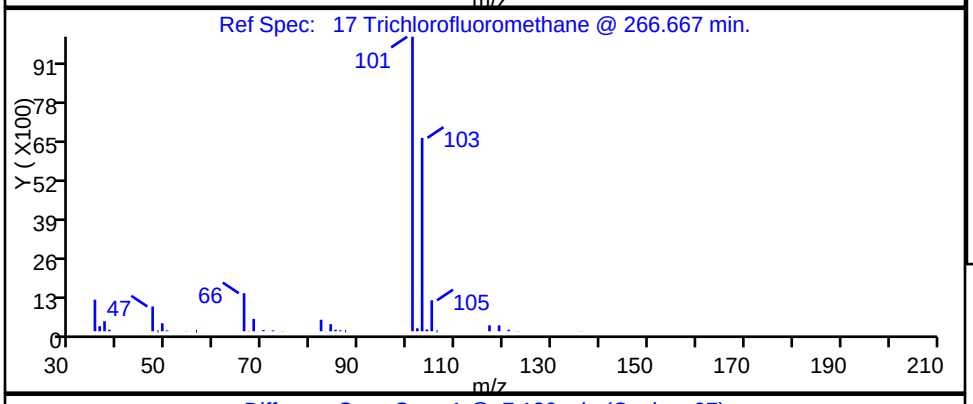
17 Trichlorofluoromethane, CAS: 75-69-4

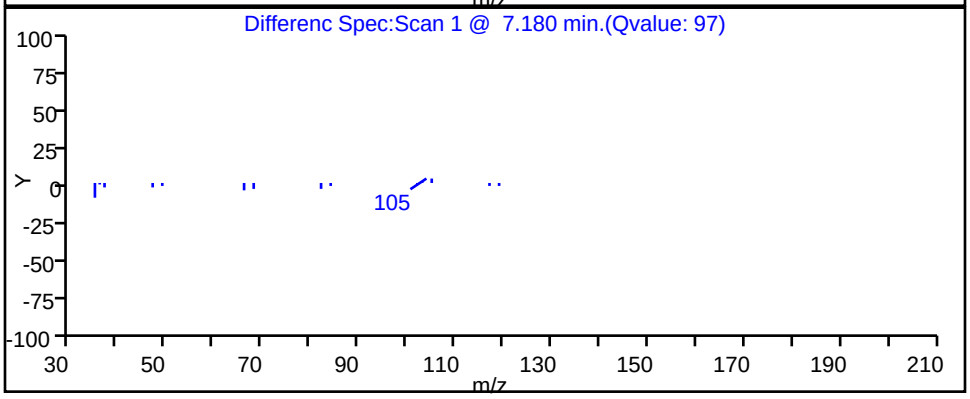












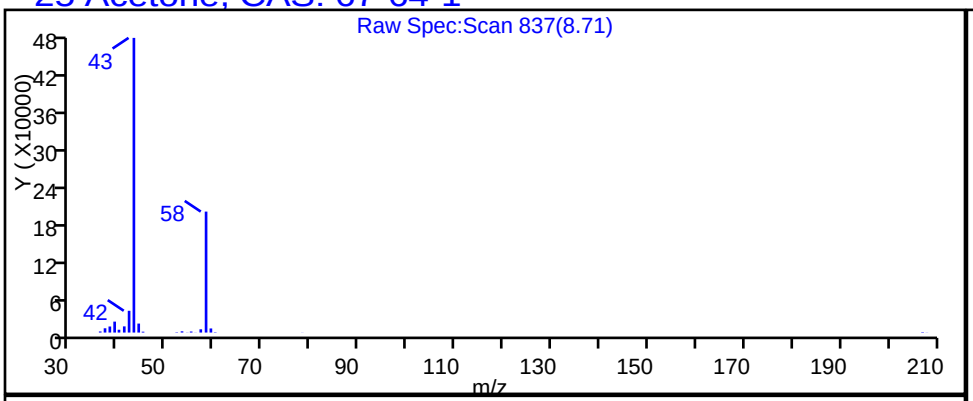
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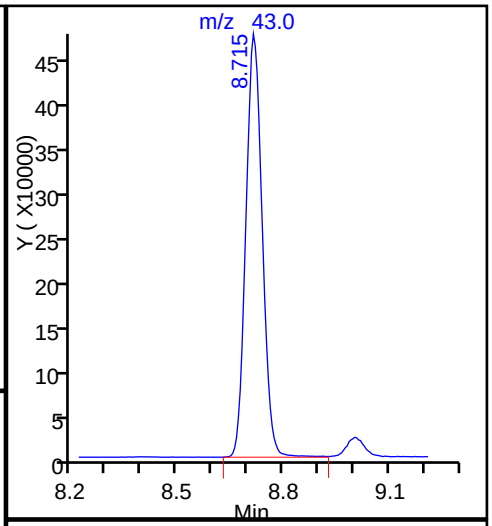
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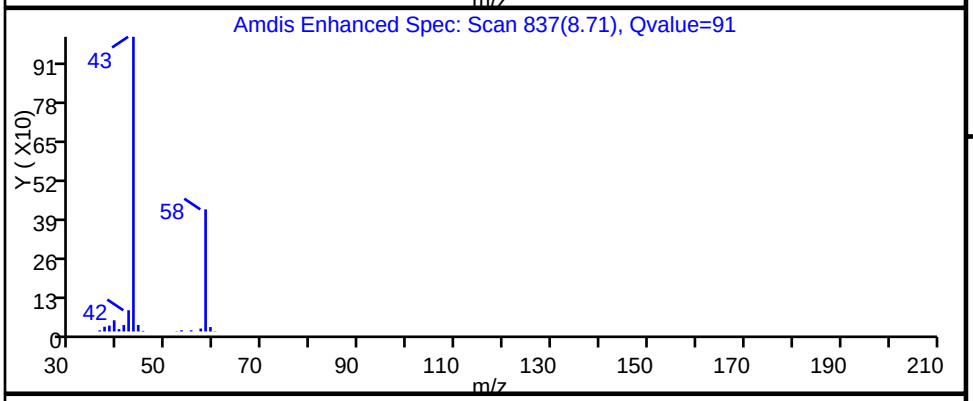
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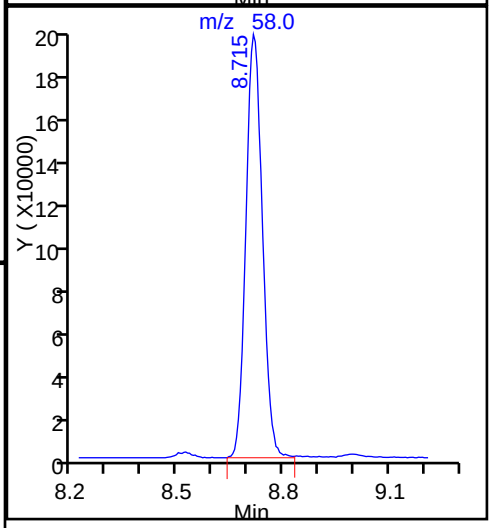
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Lims ID:	280-61460-A-4	Lab Sample ID:	200-61460-4		
Client ID:	101VMP0101EC				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	3.0300		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

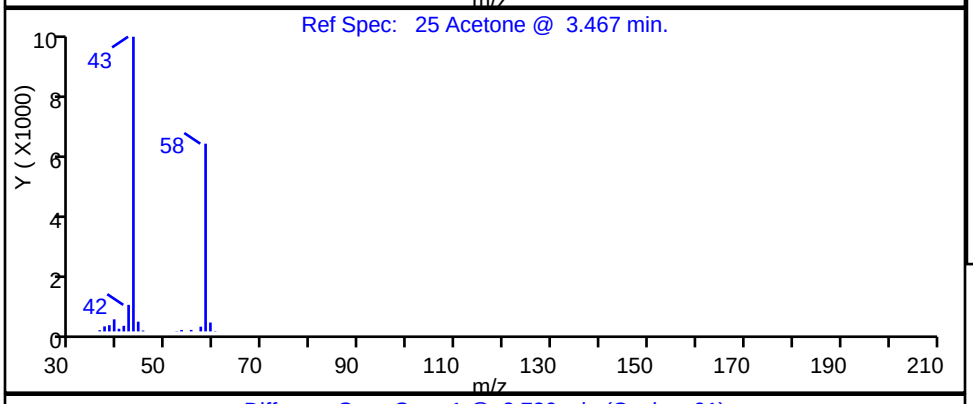
25 Acetone, CAS: 67-64-1

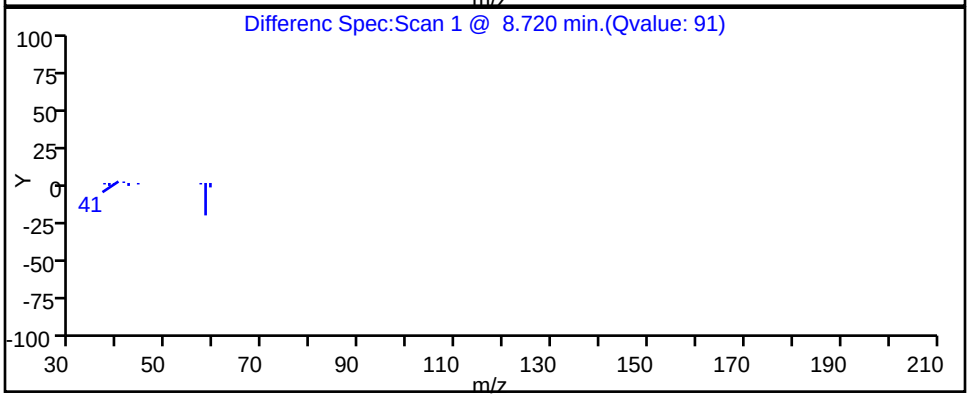












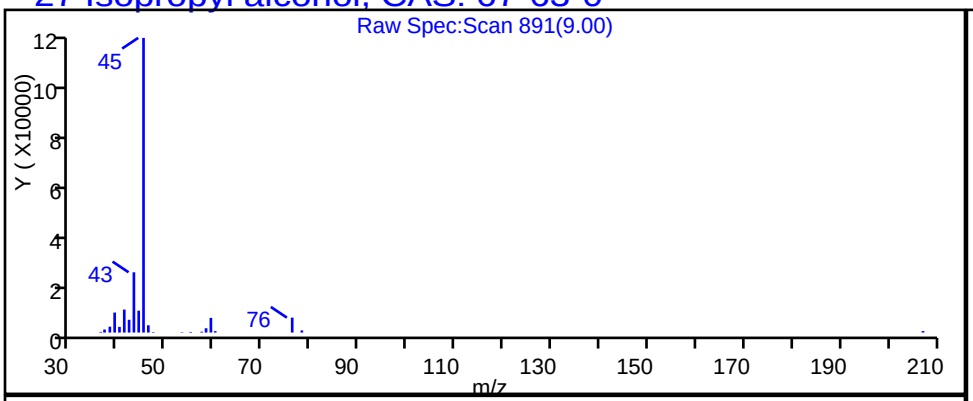
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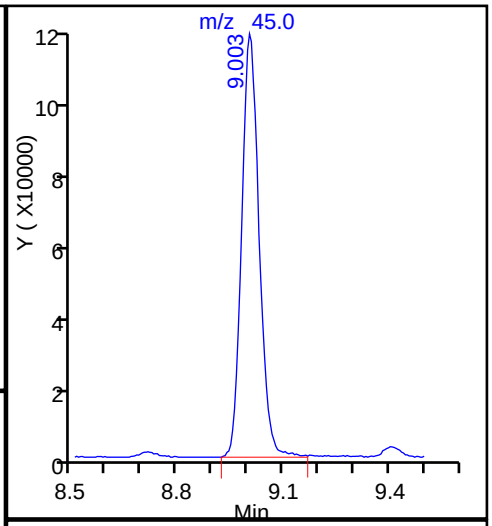
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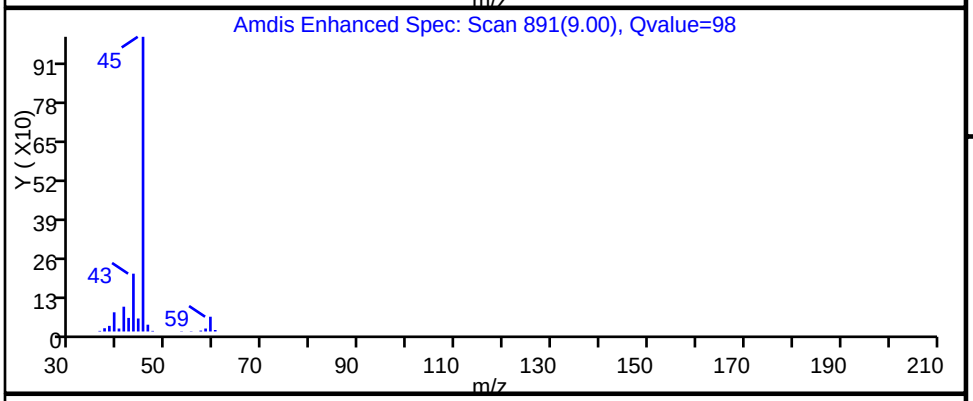
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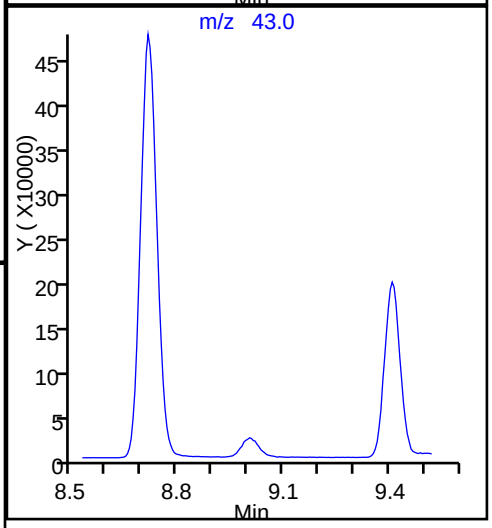
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Lims ID:	280-61460-A-4	Lab Sample ID:	200-61460-4		
Client ID:	101VMP0101EC				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	3.0300		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

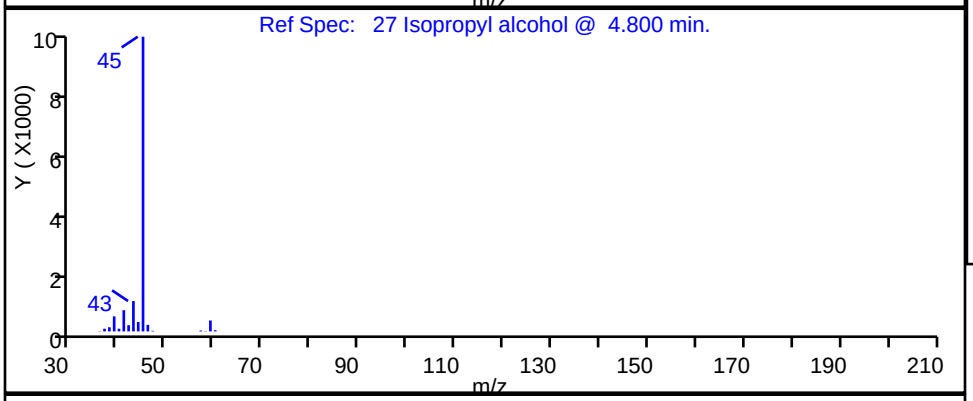
27 Isopropyl alcohol, CAS: 67-63-0

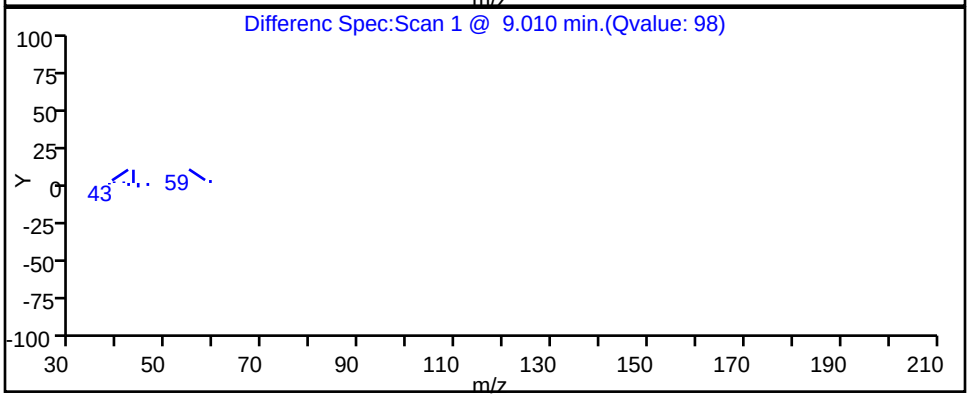








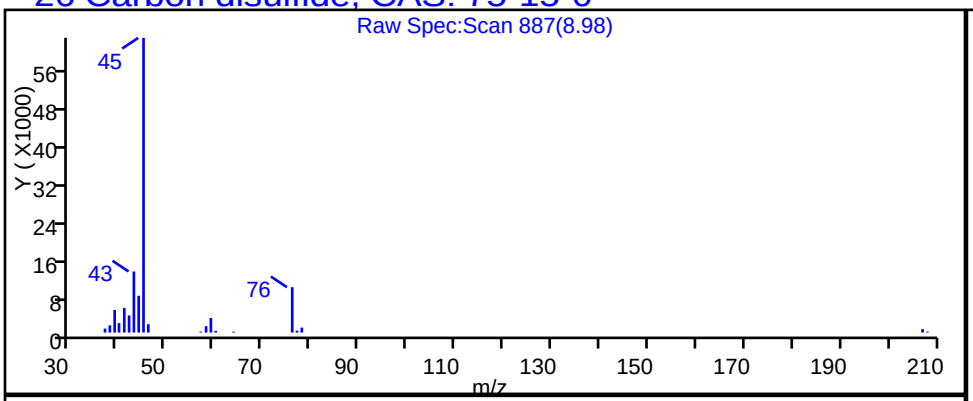


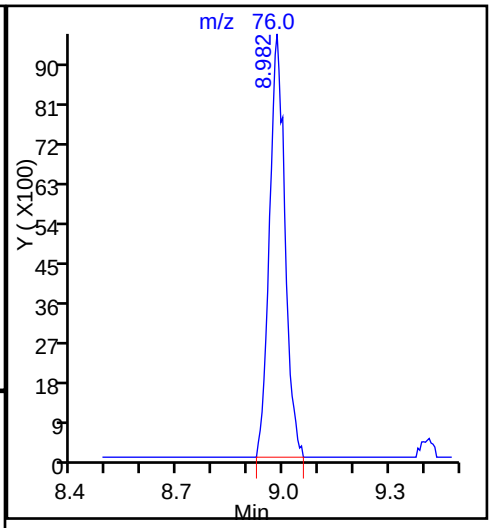


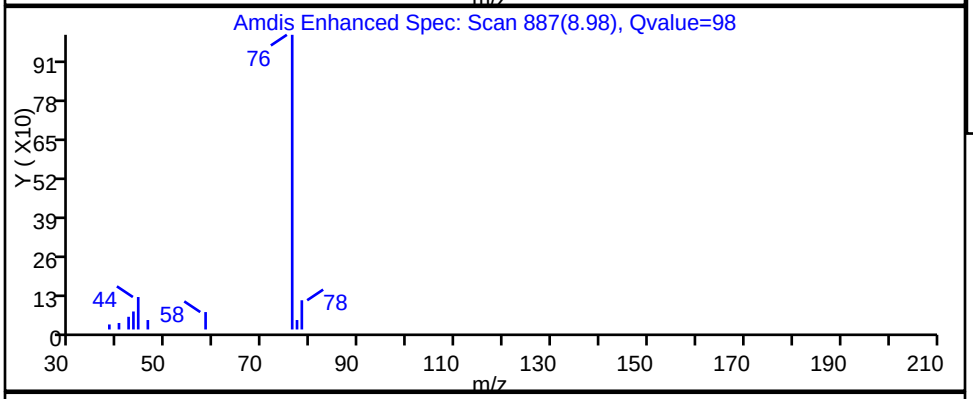
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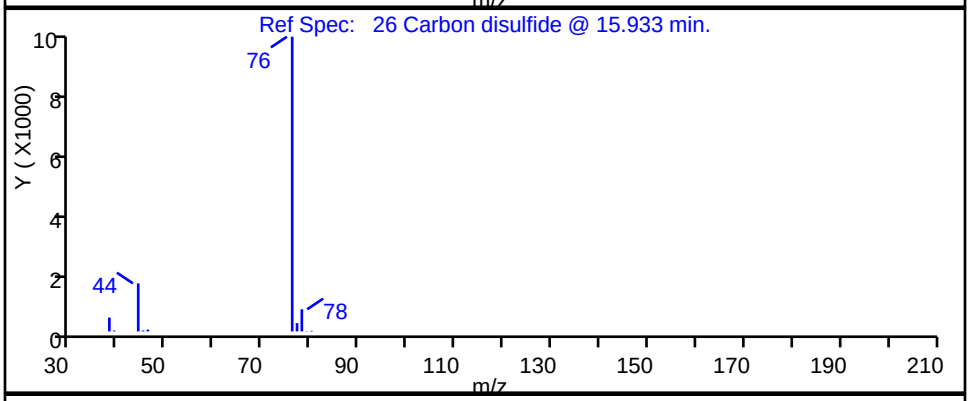
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Injection Date:	31-Oct-2014 17:58:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-4	Lab Sample ID:	200-61460-4		
Client ID:	101VMP0101EC				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	3.0300		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

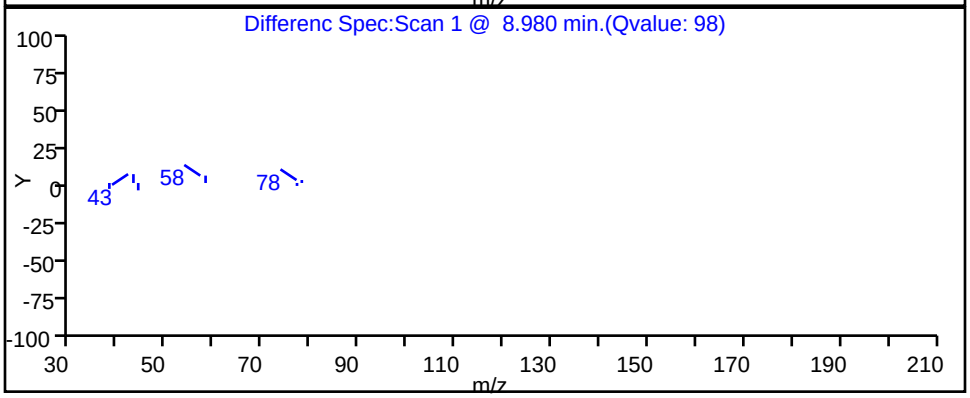
26 Carbon disulfide, CAS: 75-15-0







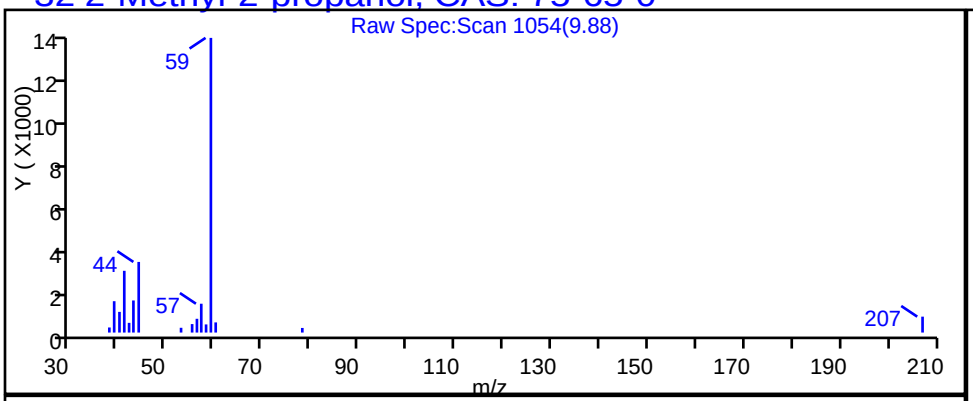


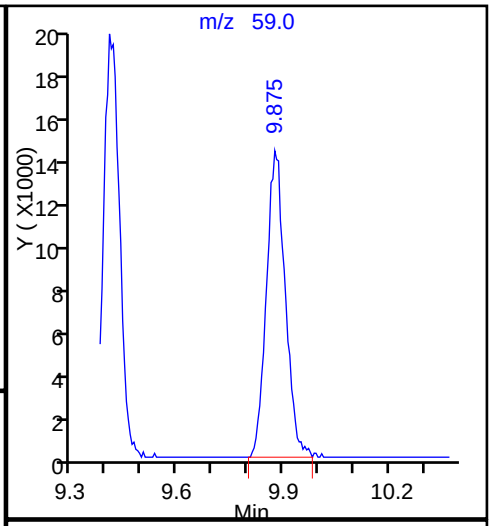


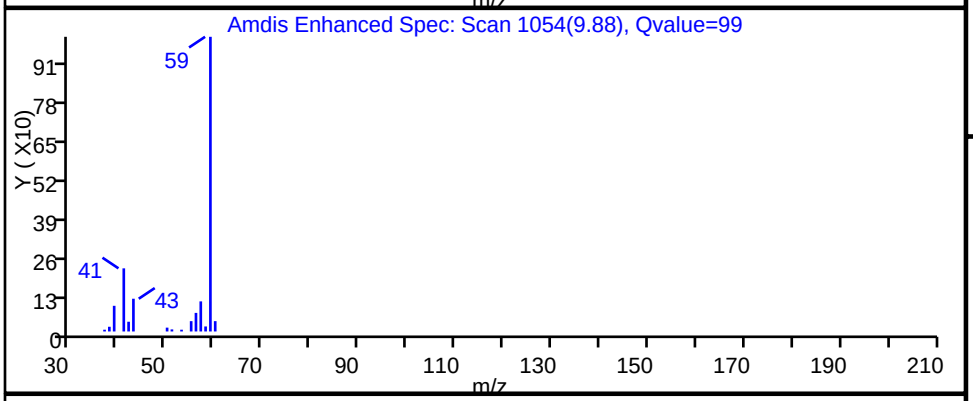
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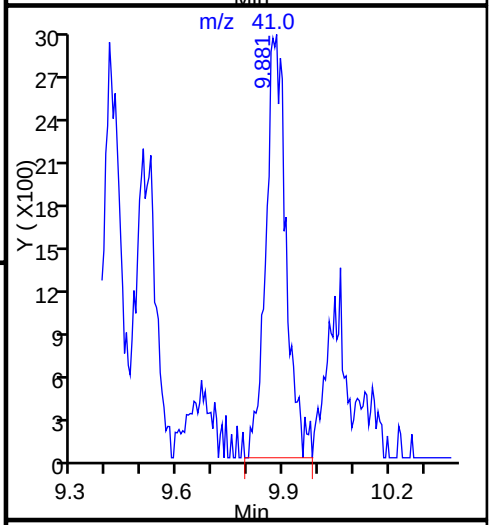
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Lims ID:	280-61460-A-4	Lab Sample ID:	200-61460-4		
Client ID:	101VMP0101EC				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	3.0300		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

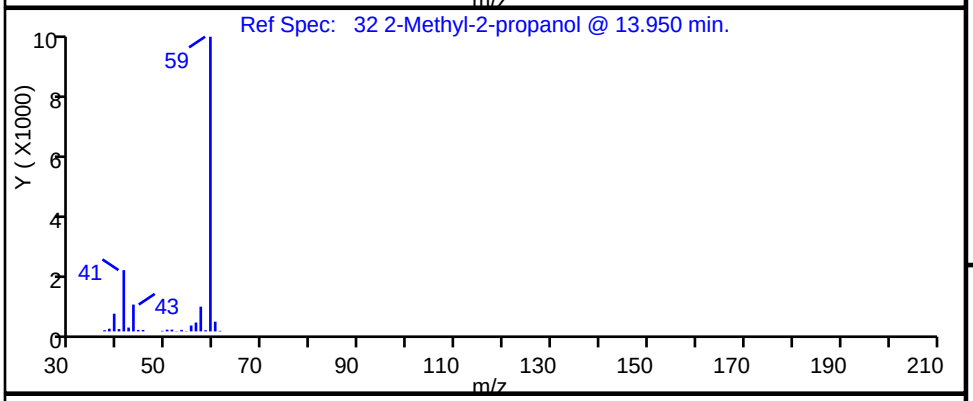
32 2-Methyl-2-propanol, CAS: 75-65-0

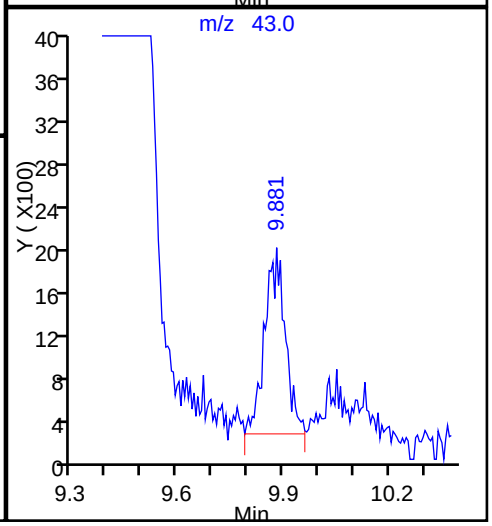


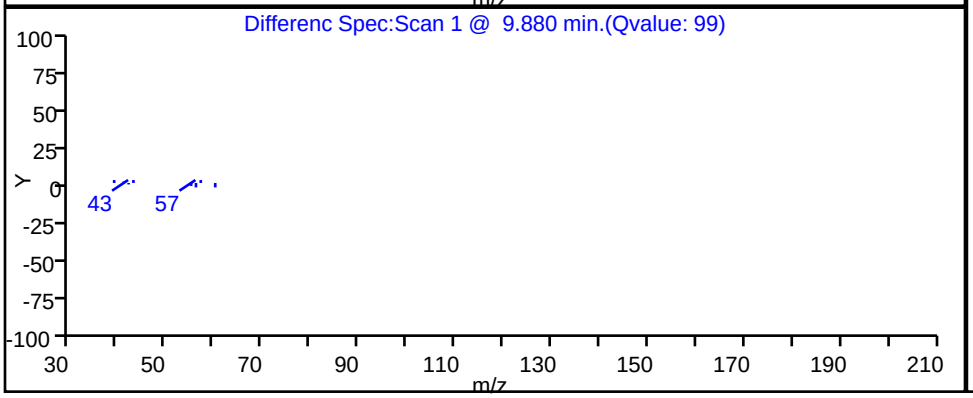












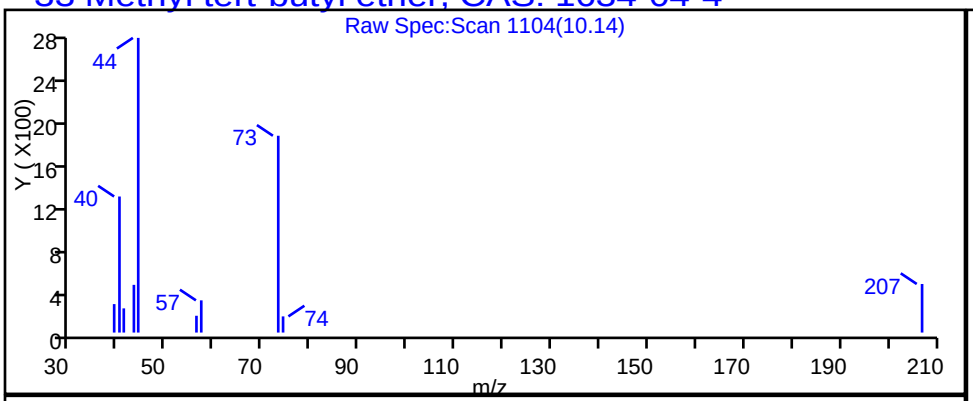
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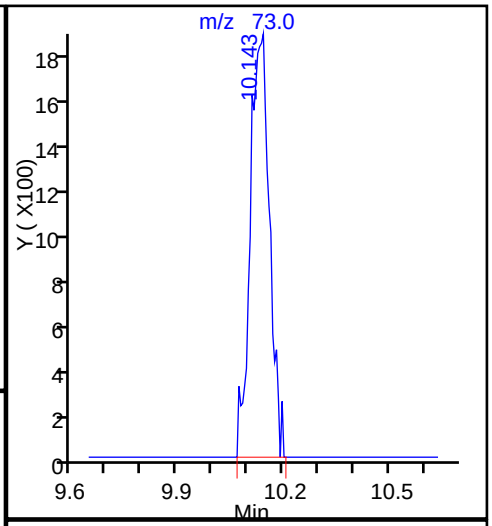
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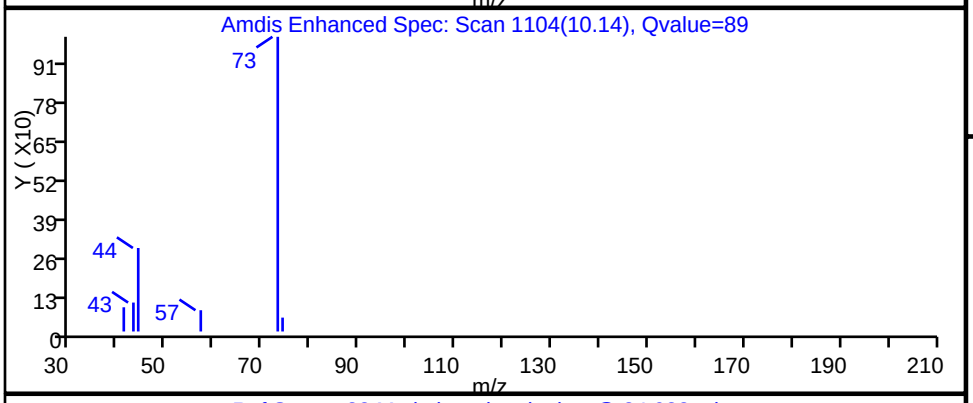
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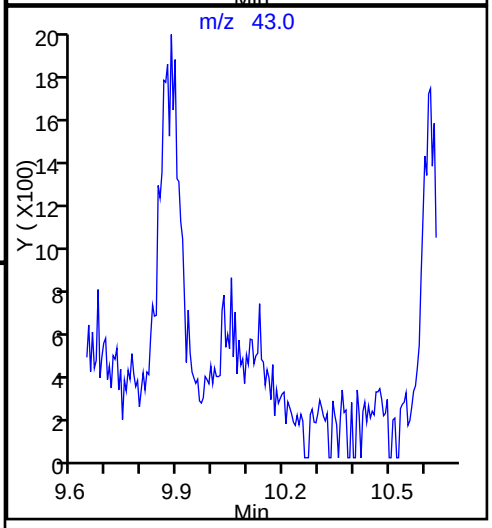
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Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	3.0300		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

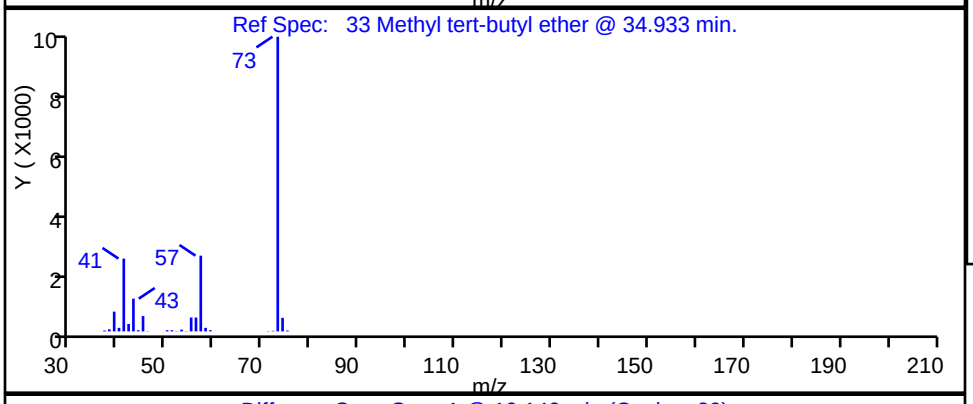
33 Methyl tert-butyl ether, CAS: 1634-04-4

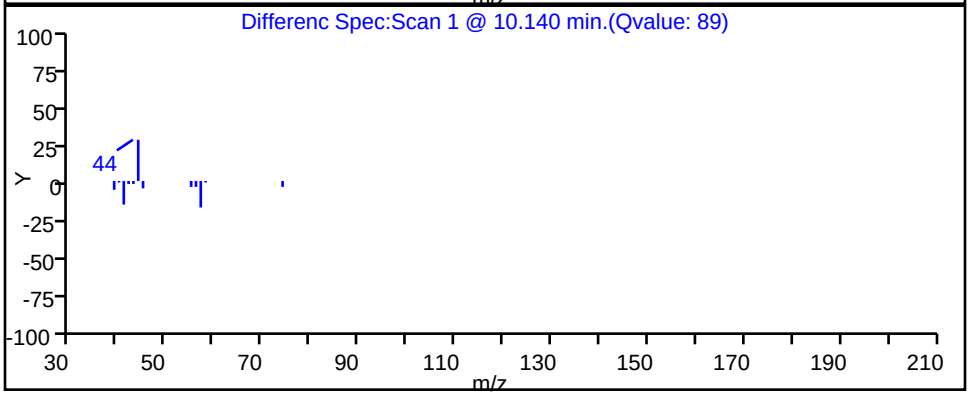












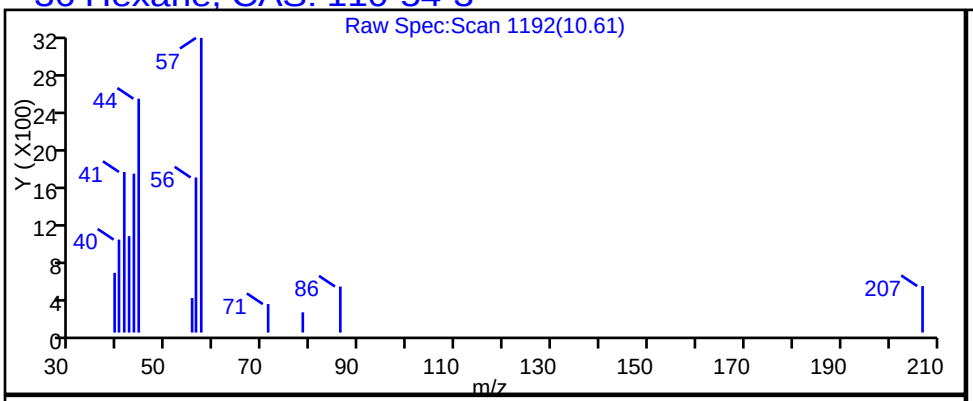
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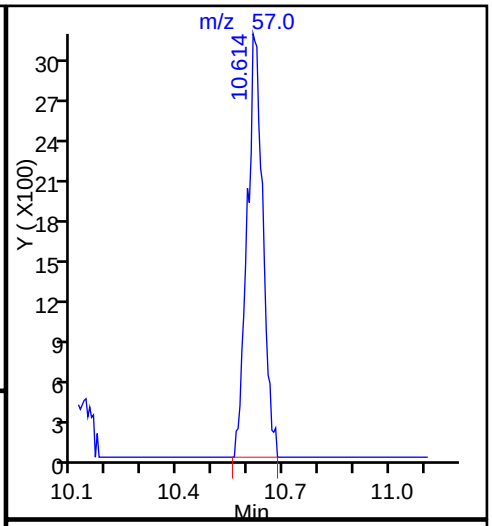
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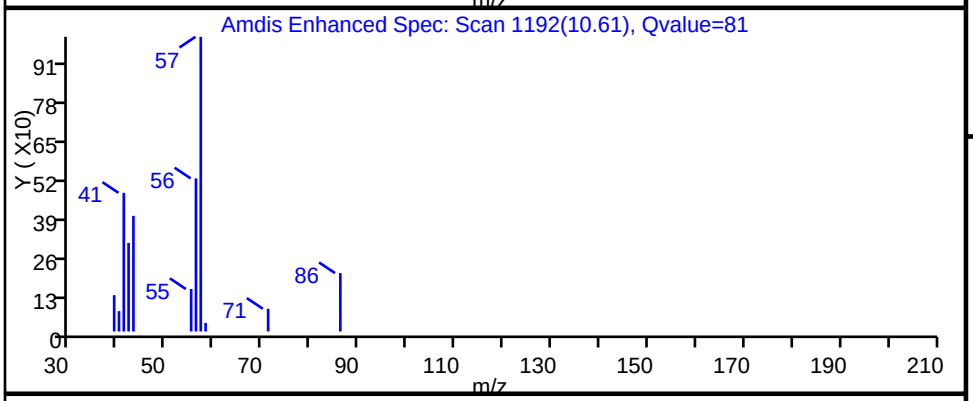
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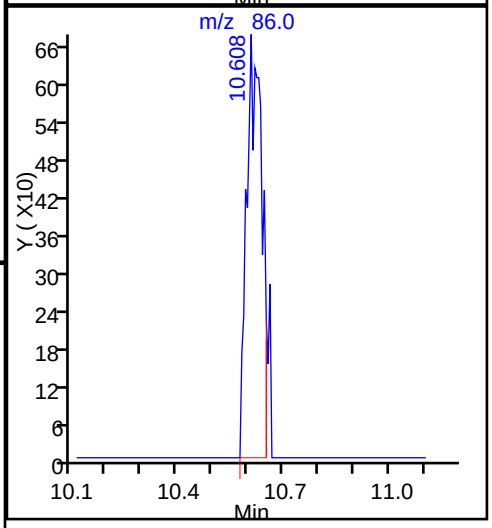
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Client ID:	101VMP0101EC				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	3.0300		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

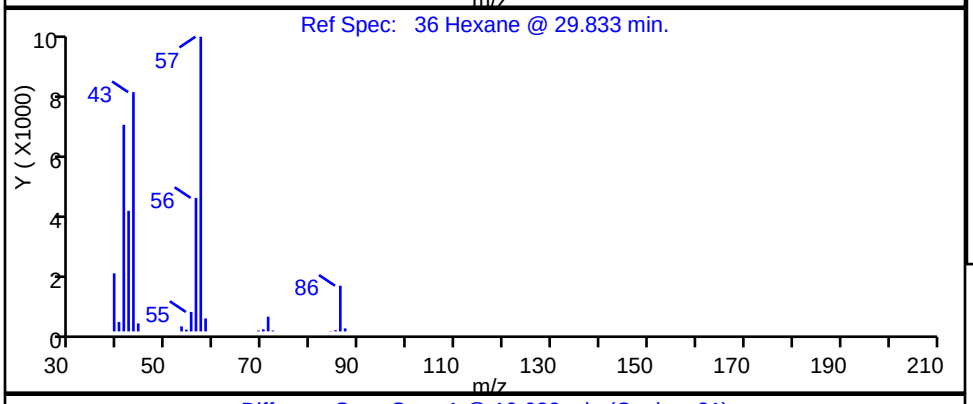
36 Hexane, CAS: 110-54-3

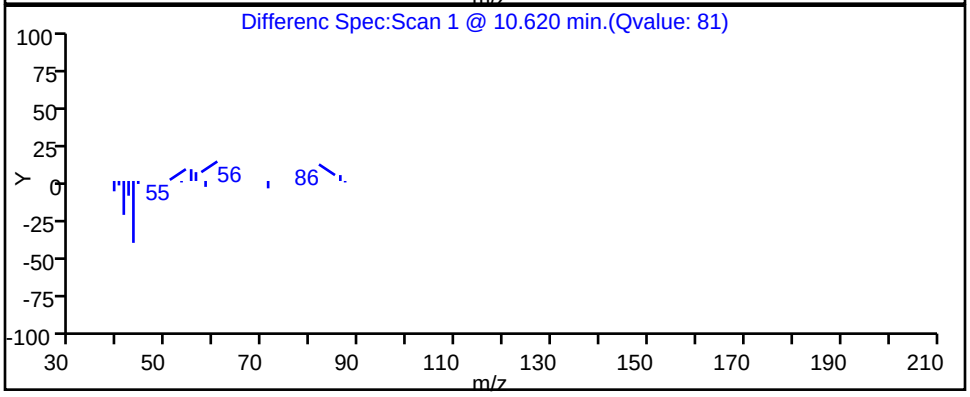












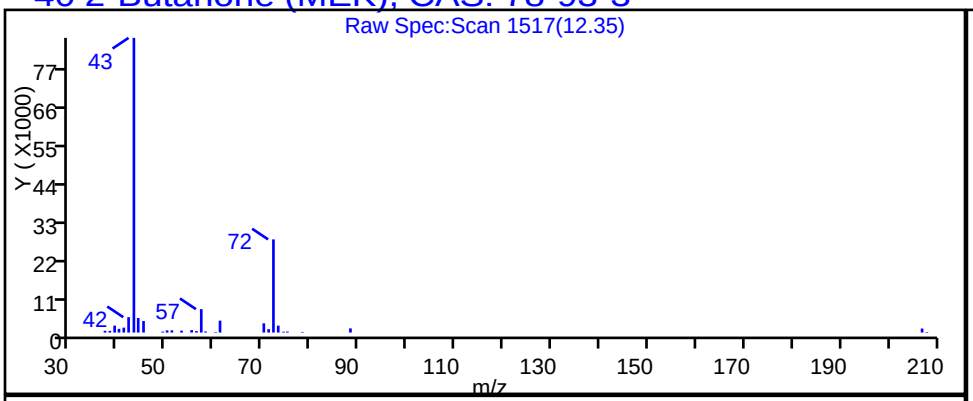
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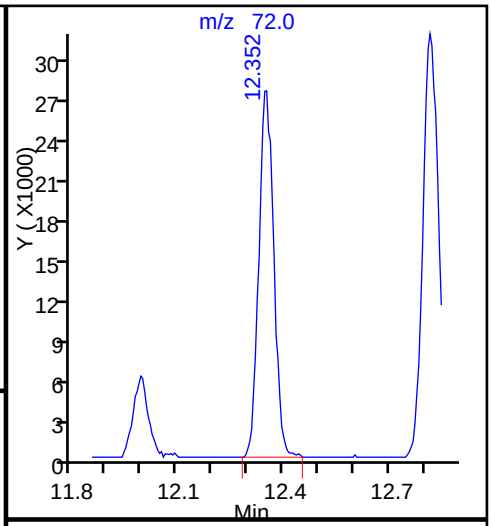
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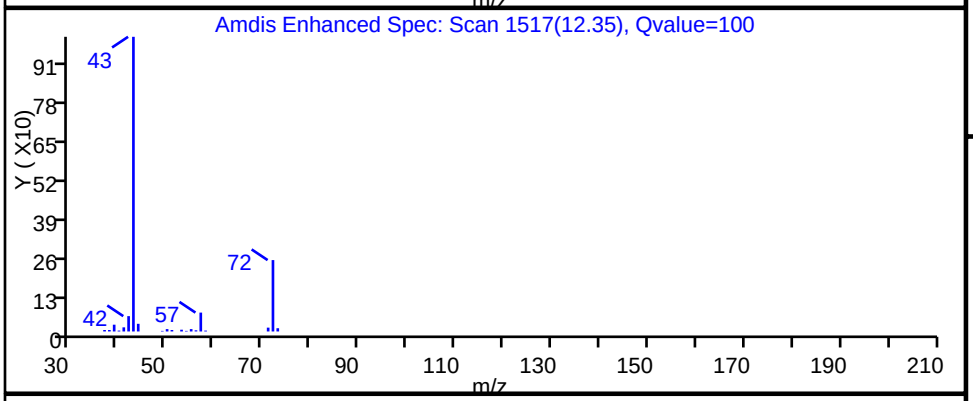
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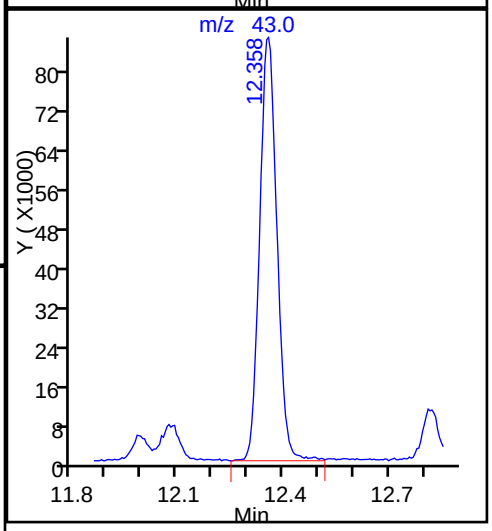
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Client ID:	101VMP0101EC				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	3.0300		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

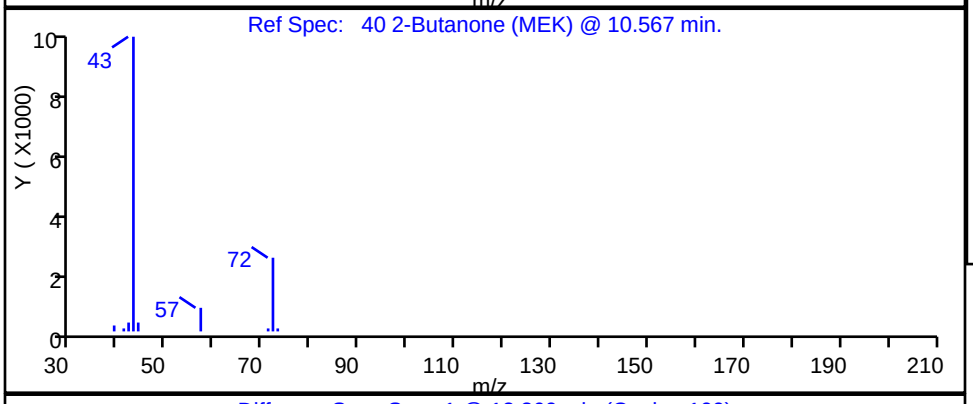
40 2-Butanone (MEK), CAS: 78-93-3

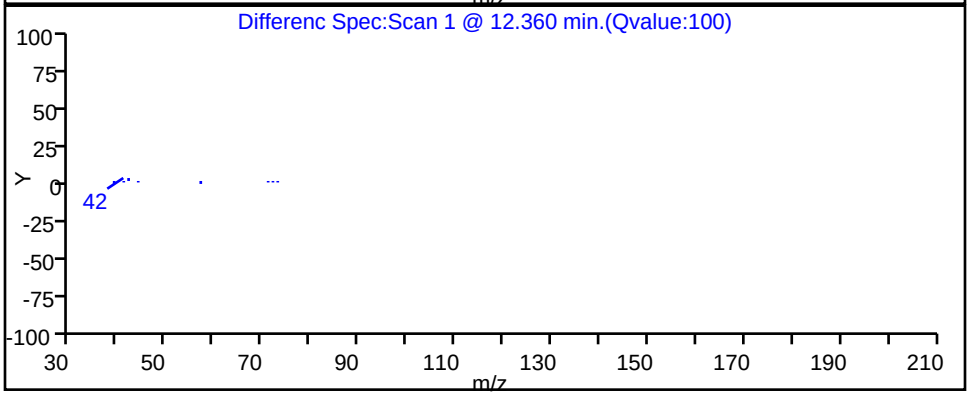










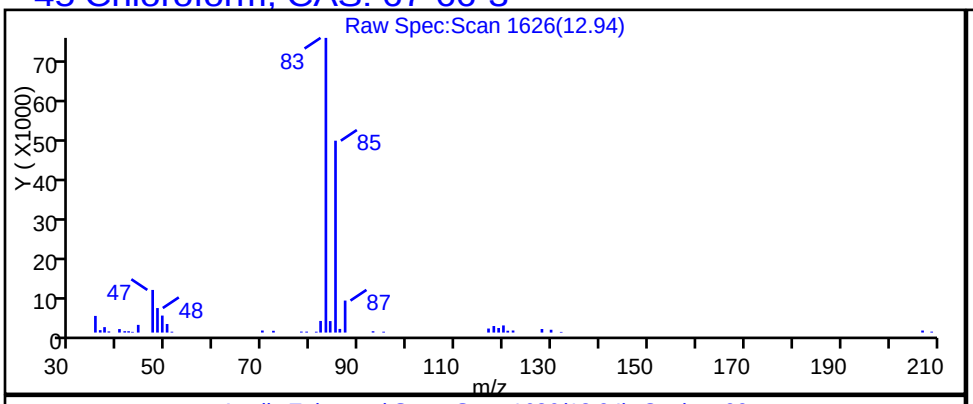


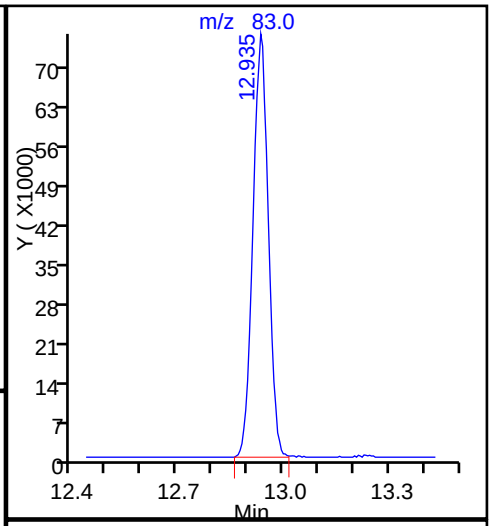
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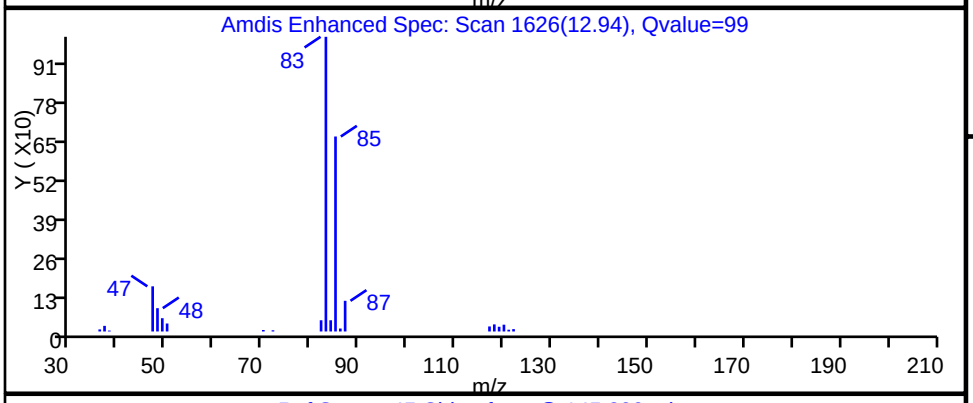
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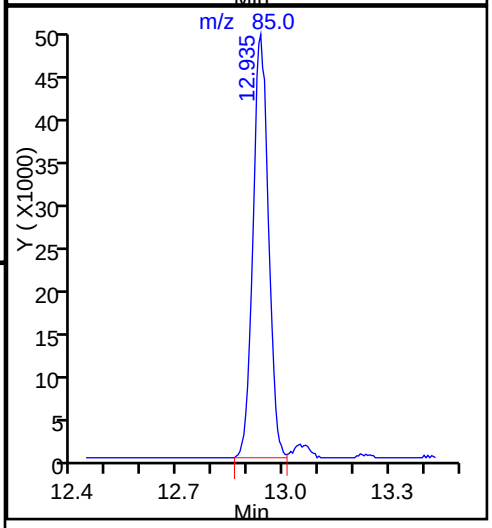
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Lims ID:	280-61460-A-4	Lab Sample ID:	200-61460-4		
Client ID:	101VMP0101EC				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	3.0300		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

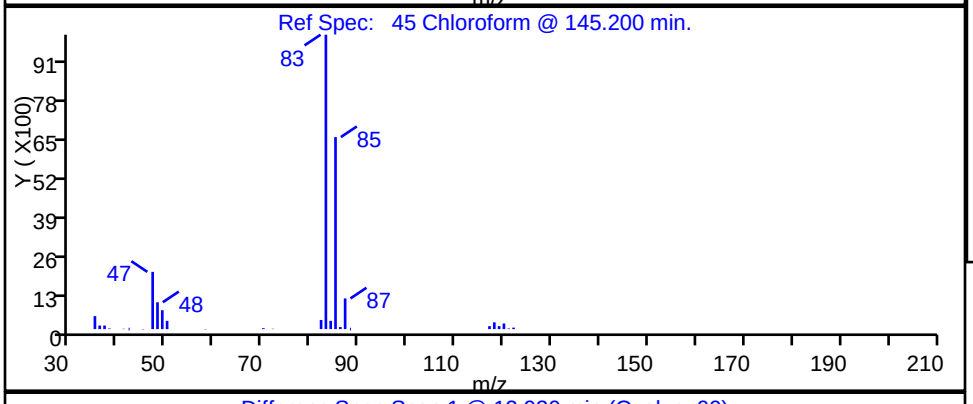
45 Chloroform, CAS: 67-66-3

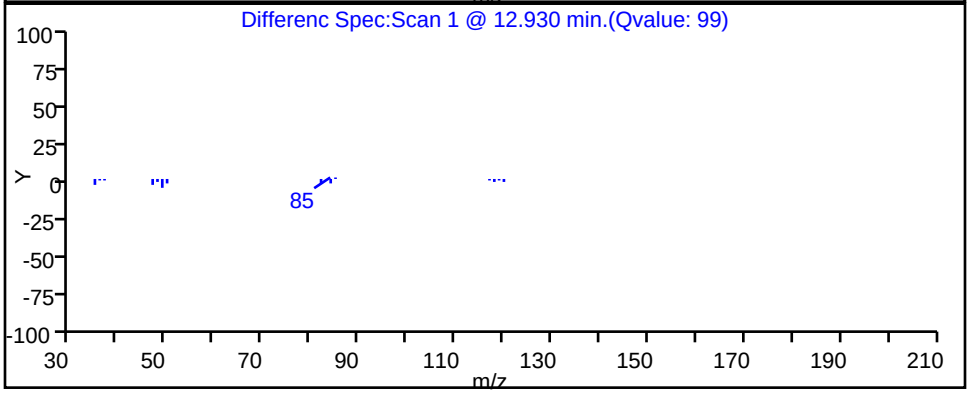








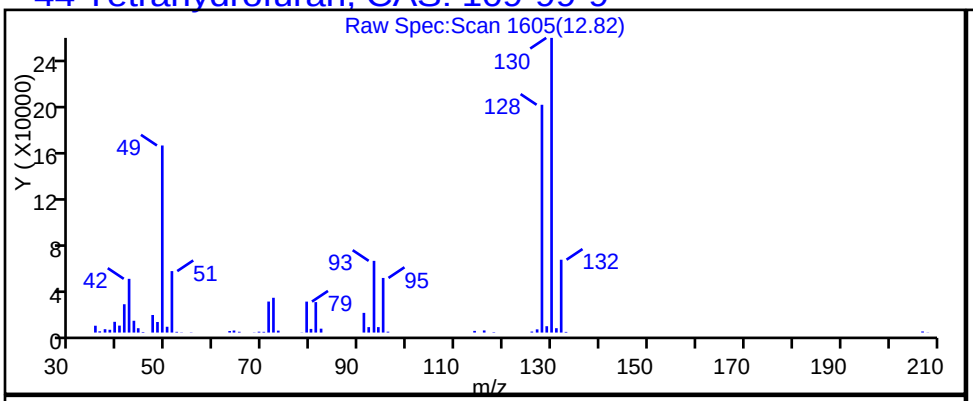


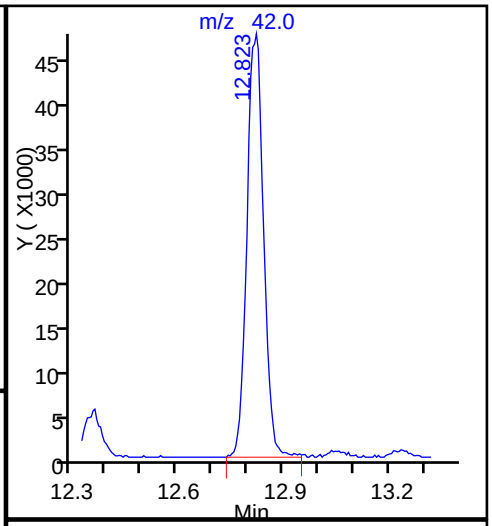


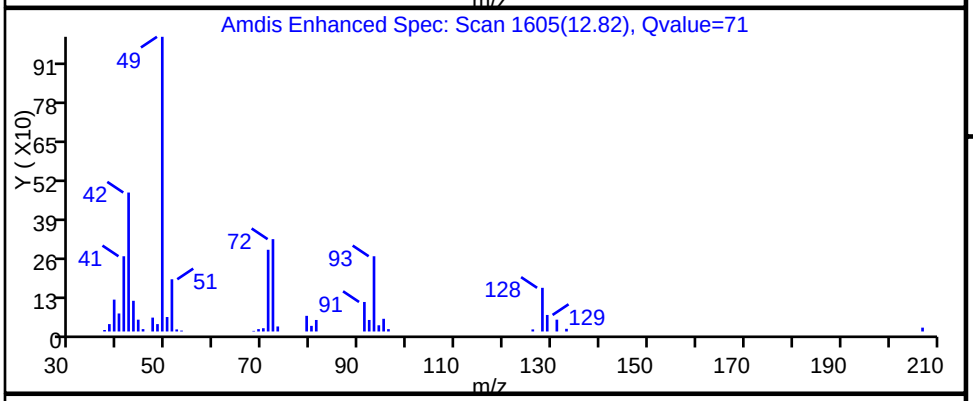
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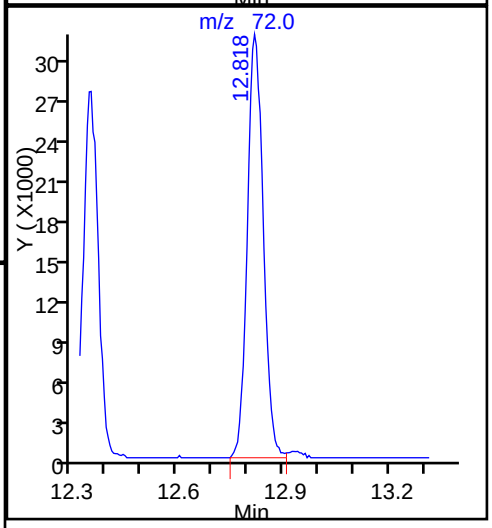
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Lims ID:	280-61460-A-4	Lab Sample ID:	200-61460-4		
Client ID:	101VMP0101EC				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	3.0300		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

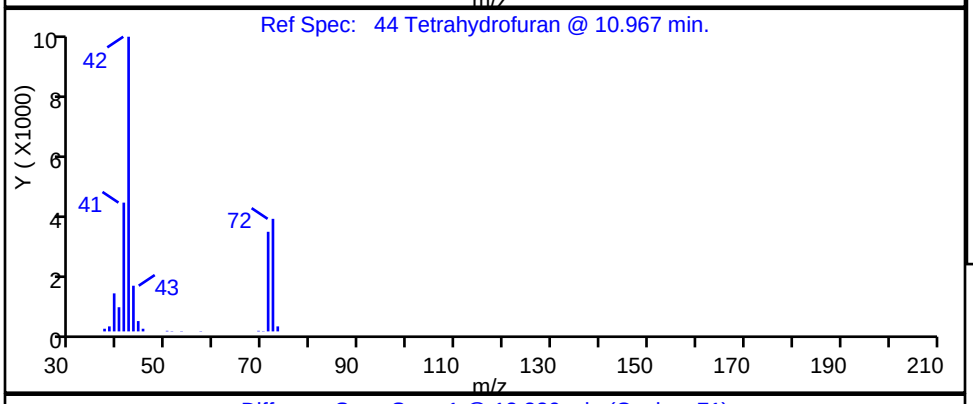
44 Tetrahydrofuran, CAS: 109-99-9

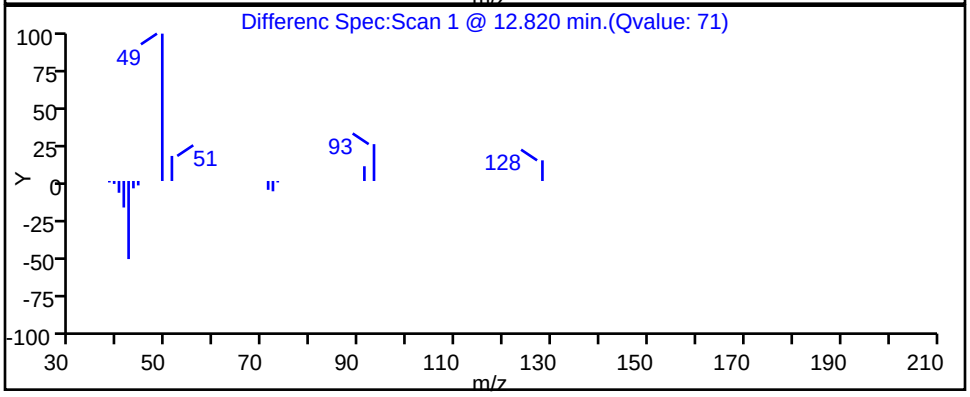








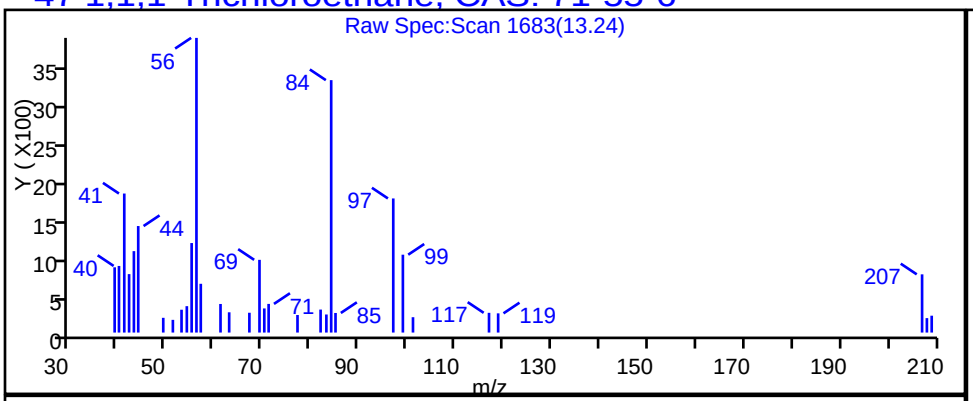


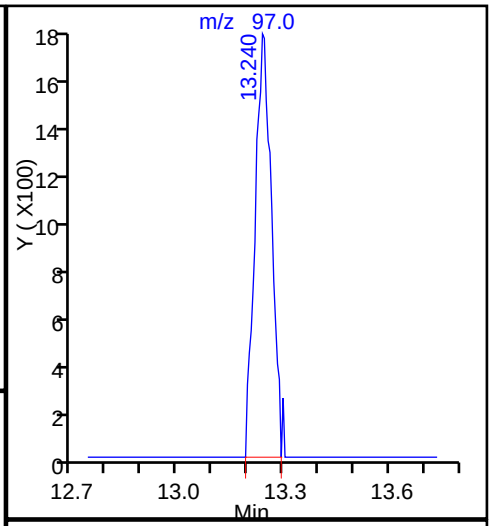


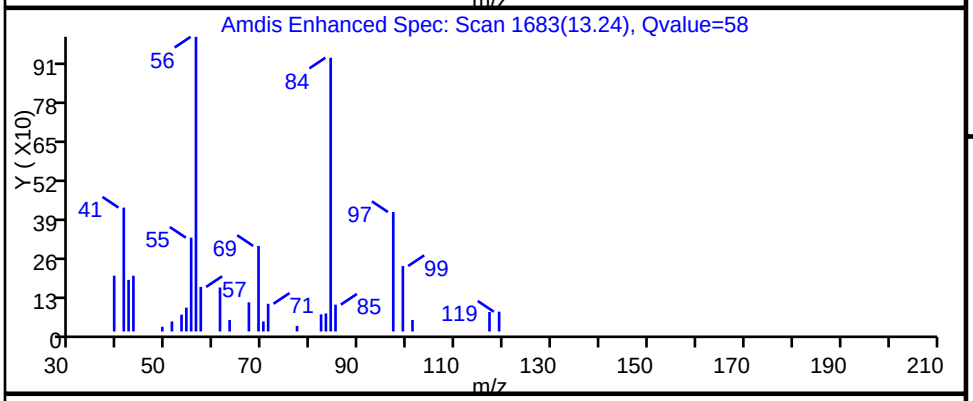
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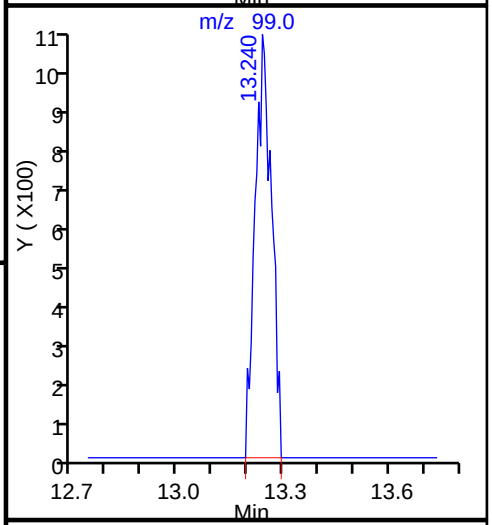
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Lims ID:	280-61460-A-4	Lab Sample ID:	200-61460-4		
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Purge Vol:	200.000 mL	Dil. Factor:	3.0300		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

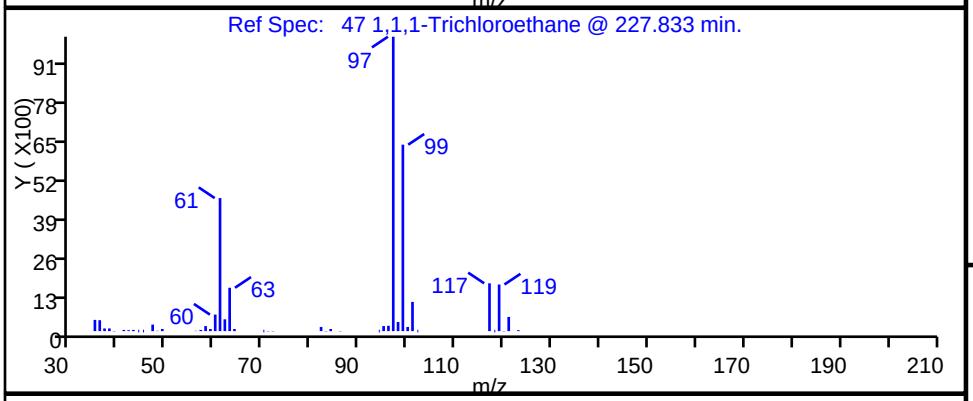
47 1,1,1-Trichloroethane, CAS: 71-55-6

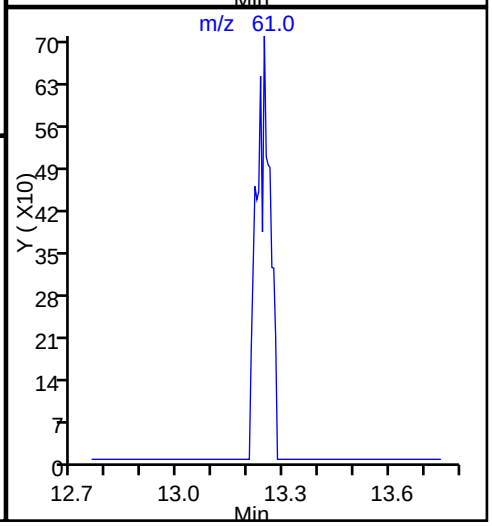


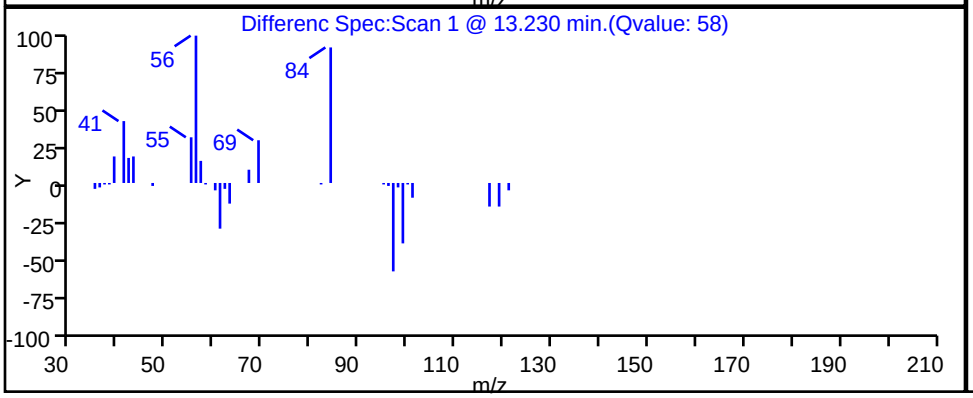












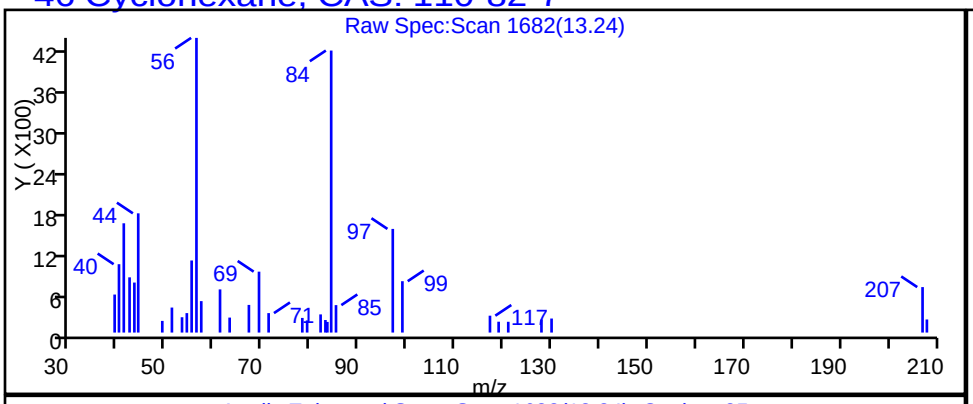
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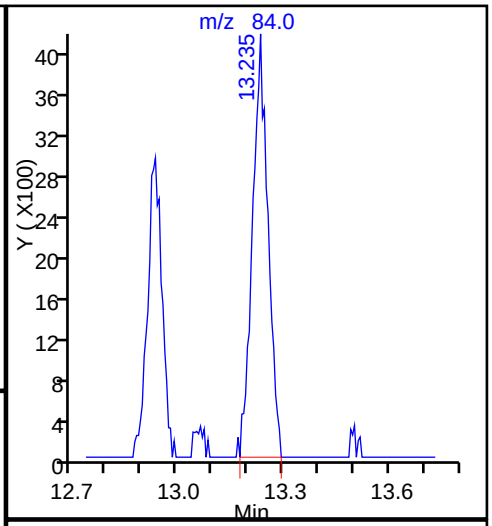
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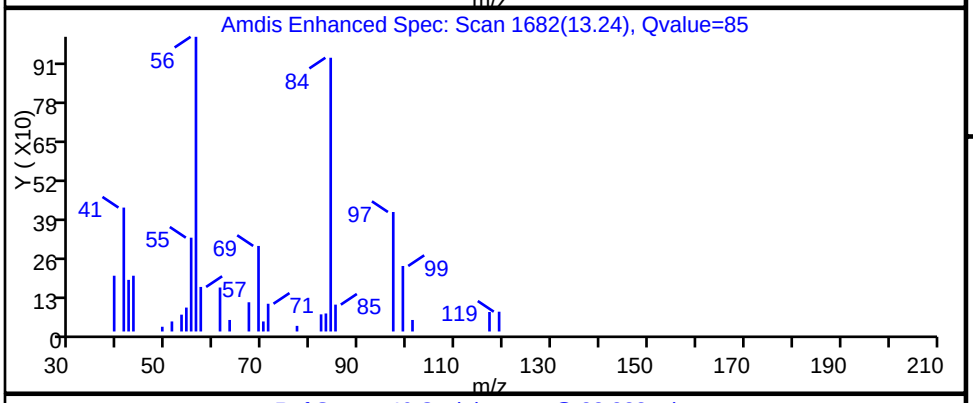
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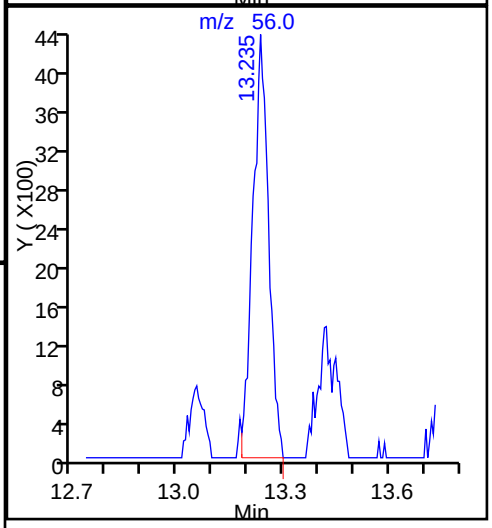
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Client ID:	101VMP0101EC				
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Purge Vol:	200.000 mL	Dil. Factor:	3.0300		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

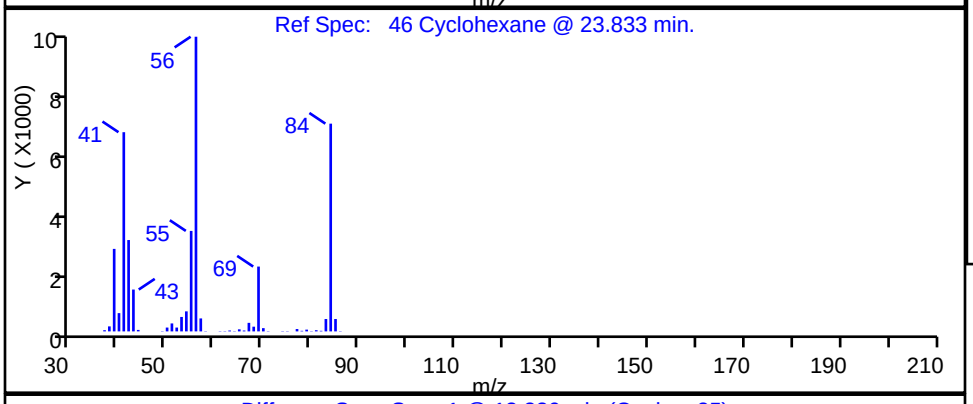
46 Cyclohexane, CAS: 110-82-7

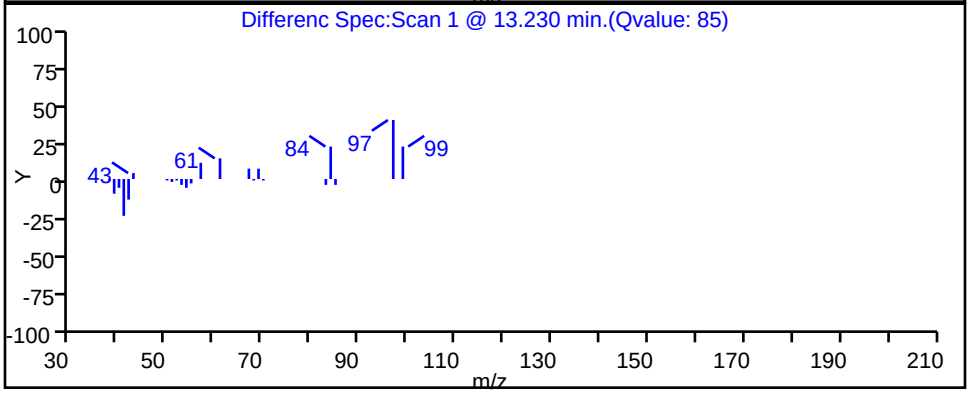












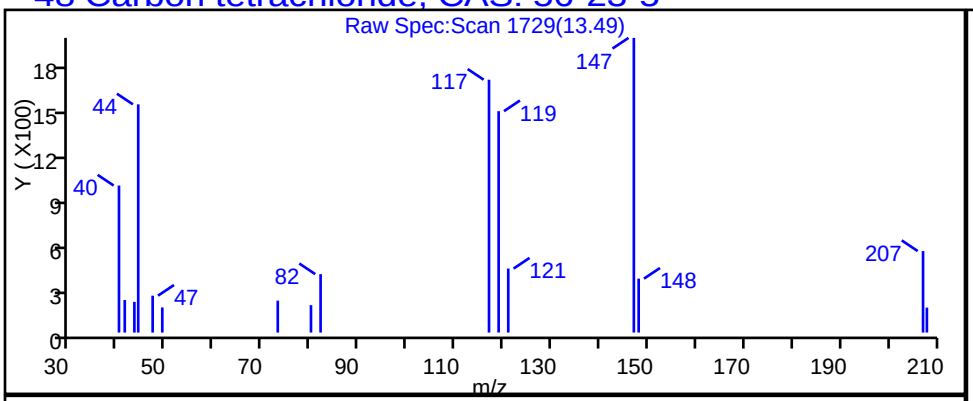
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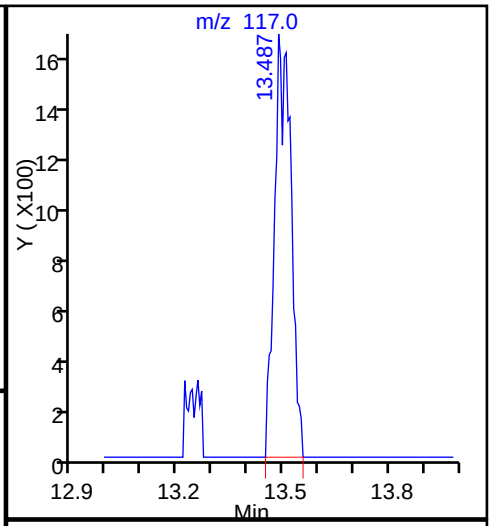
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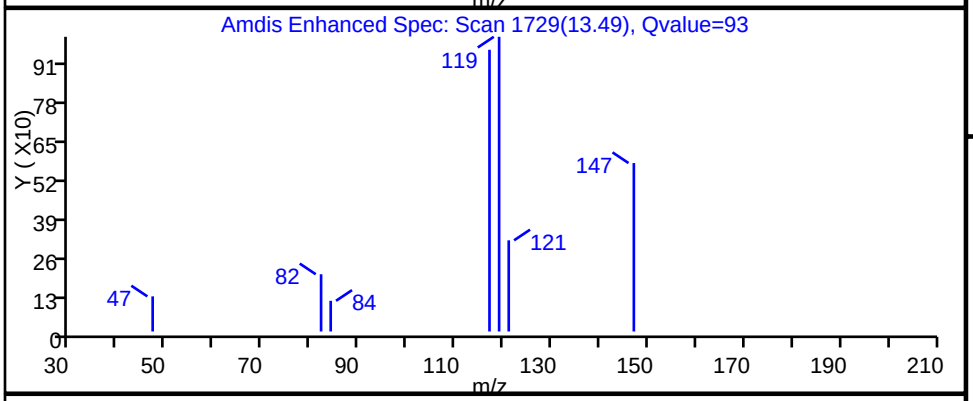
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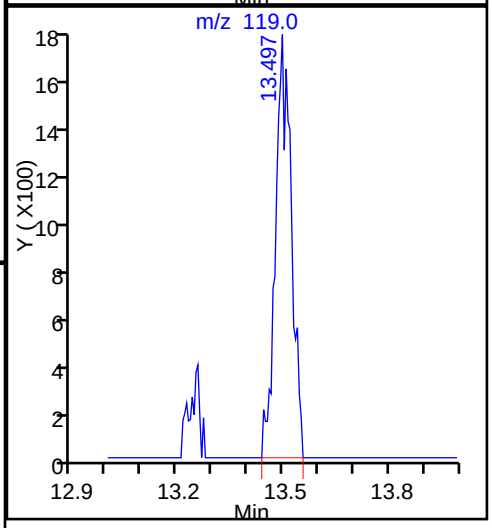
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Lims ID:	280-61460-A-4	Lab Sample ID:	200-61460-4		
Client ID:	101VMP0101EC				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	3.0300		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

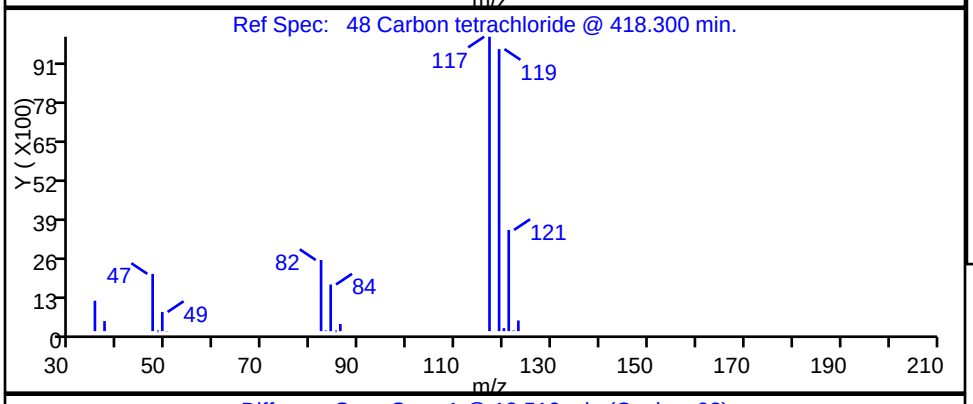
48 Carbon tetrachloride, CAS: 56-23-5

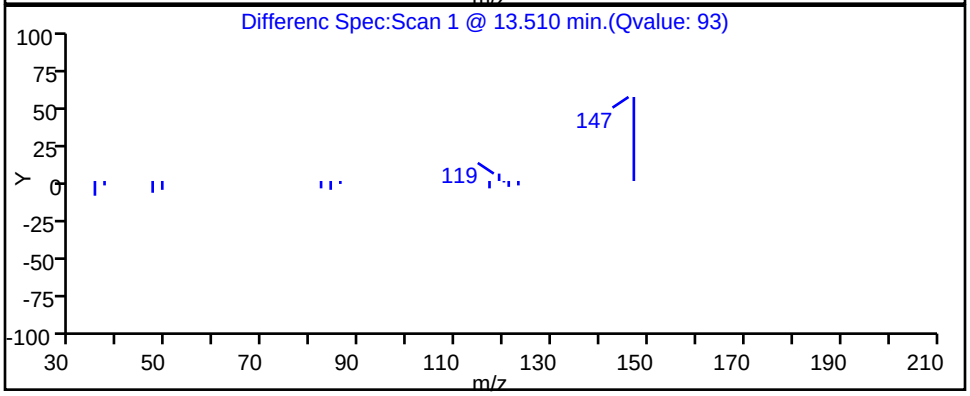












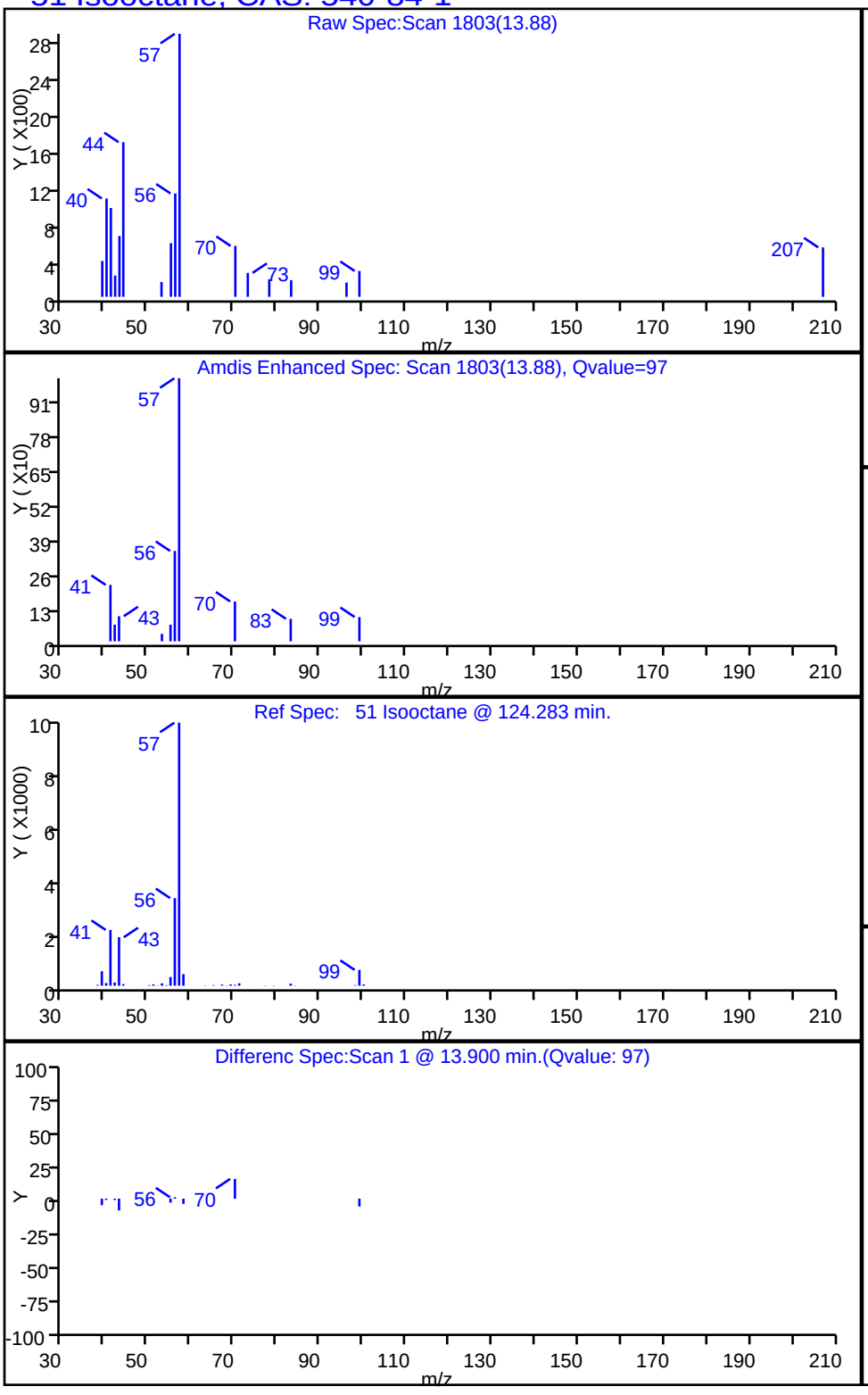
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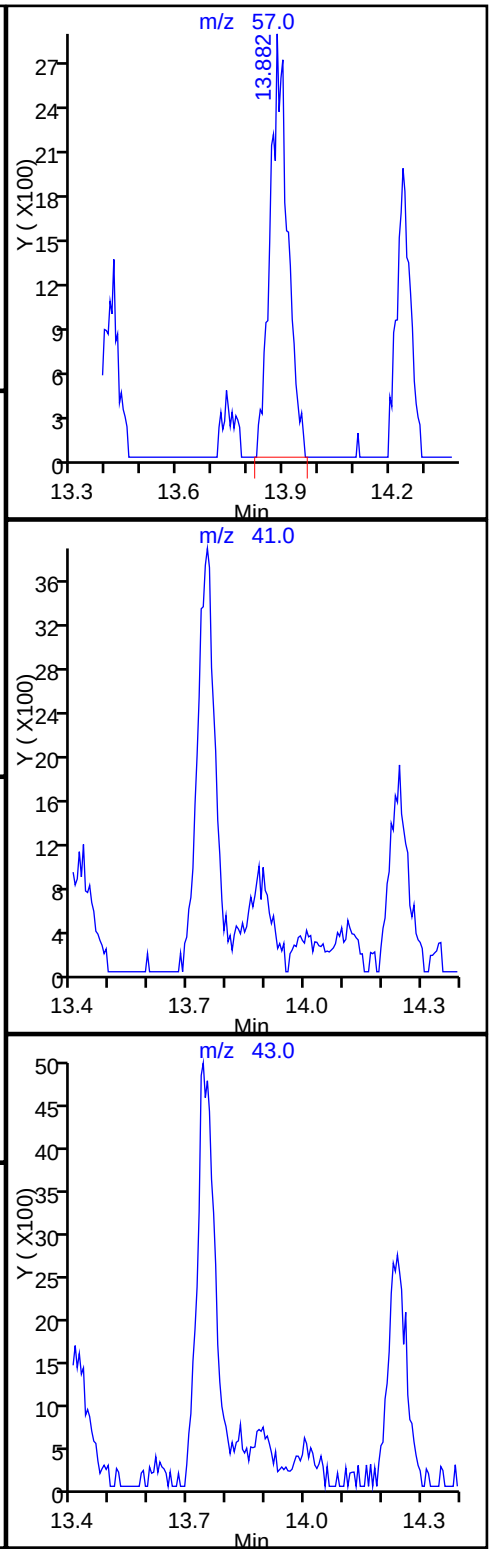
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Client ID:	101VMP0101EC				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	3.0300		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

51 Isooctane, CAS: 540-84-1





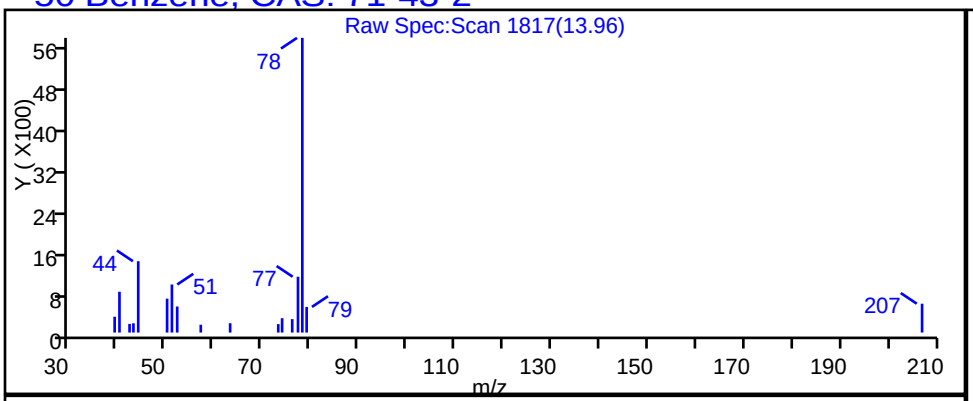
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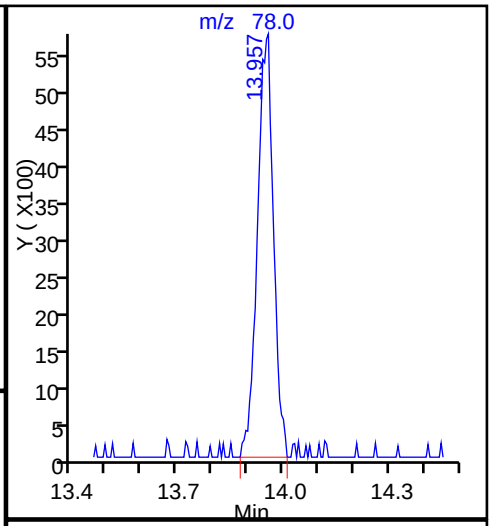
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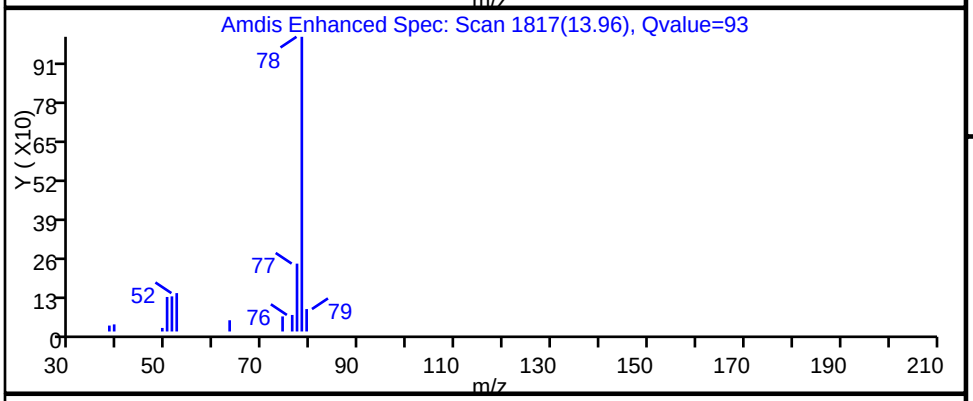
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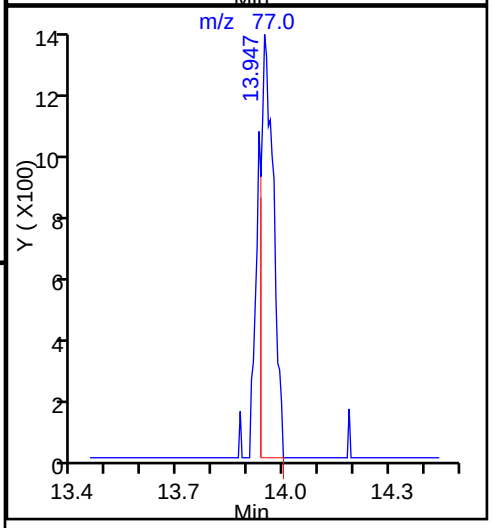
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Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	3.0300		
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Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

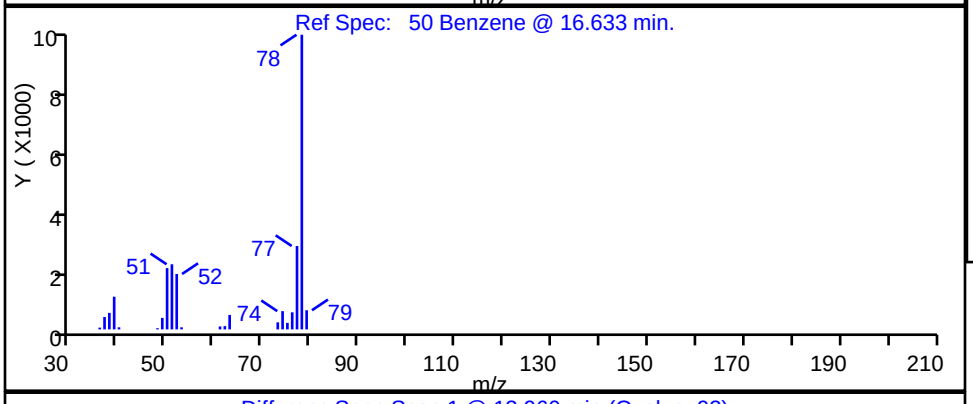
50 Benzene, CAS: 71-43-2

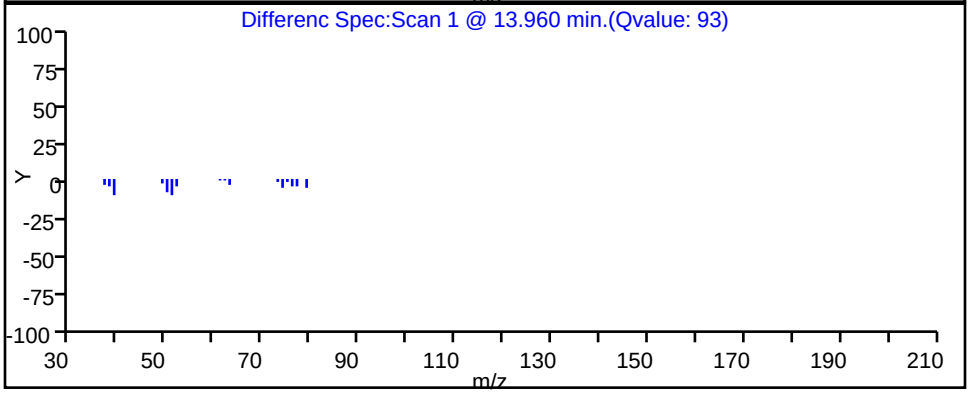












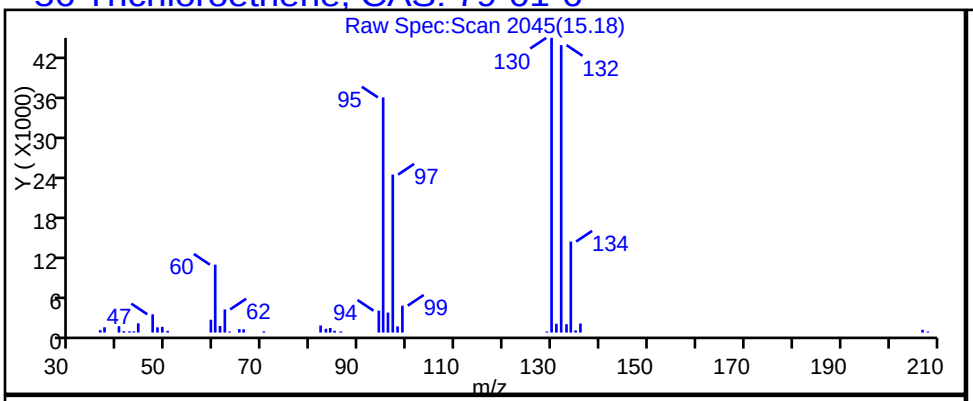
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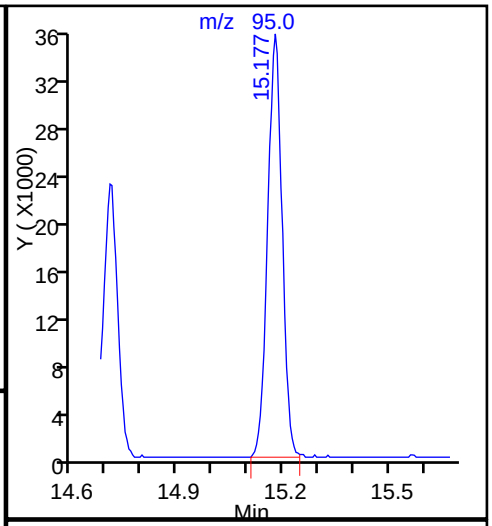
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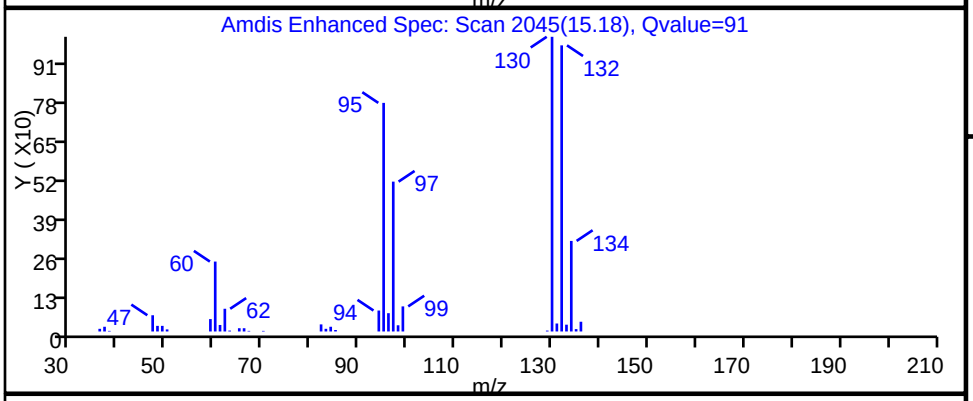
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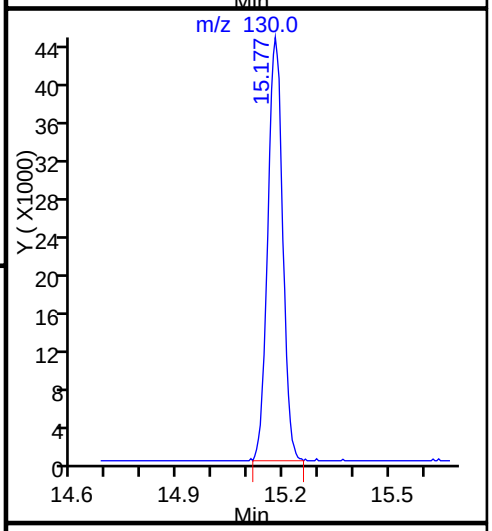
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Lims ID:	280-61460-A-4	Lab Sample ID:	200-61460-4
Client ID:	101VMP0101EC		
Operator ID:	BPL	ALS Bottle#:	11 Worklist Smp#: 12
Purge Vol:	200.000 mL	Dil. Factor:	3.0300
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

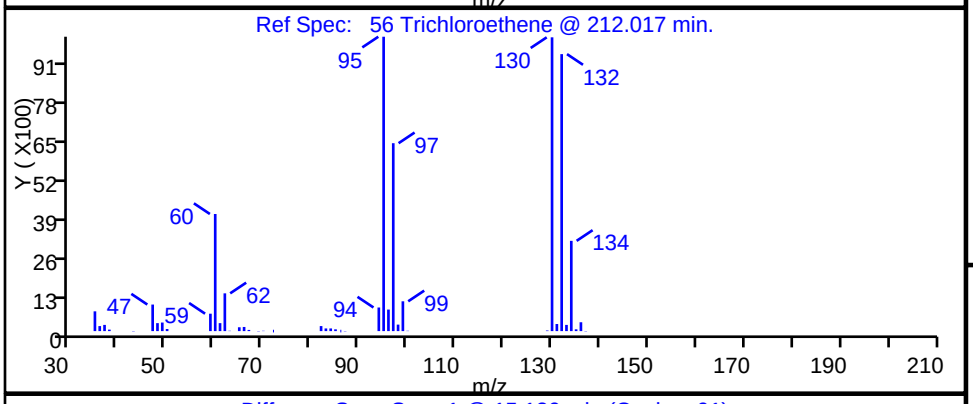
56 Trichloroethene, CAS: 79-01-6

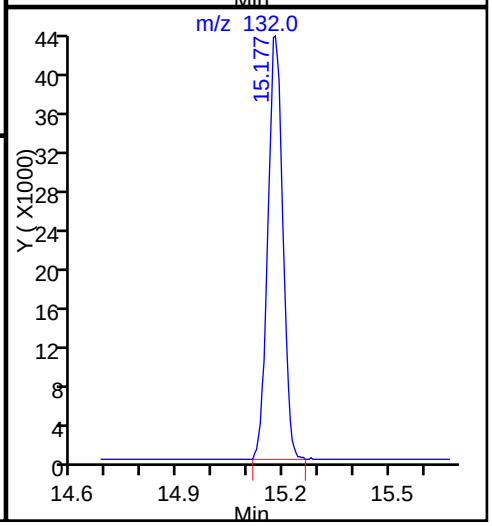


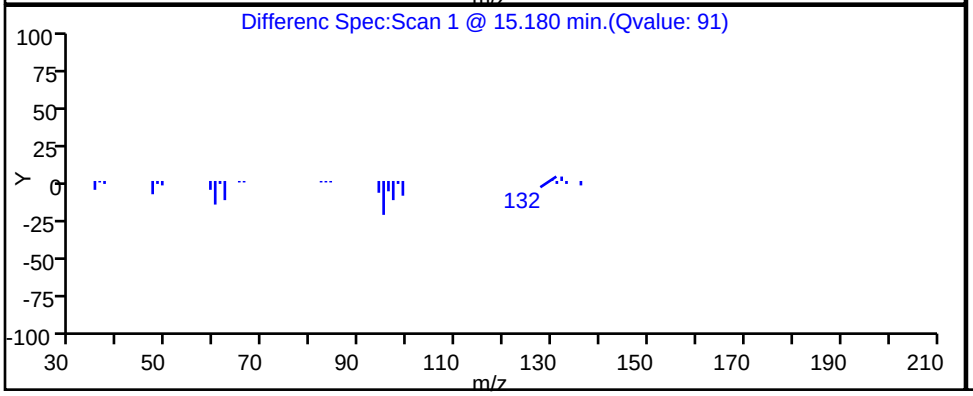








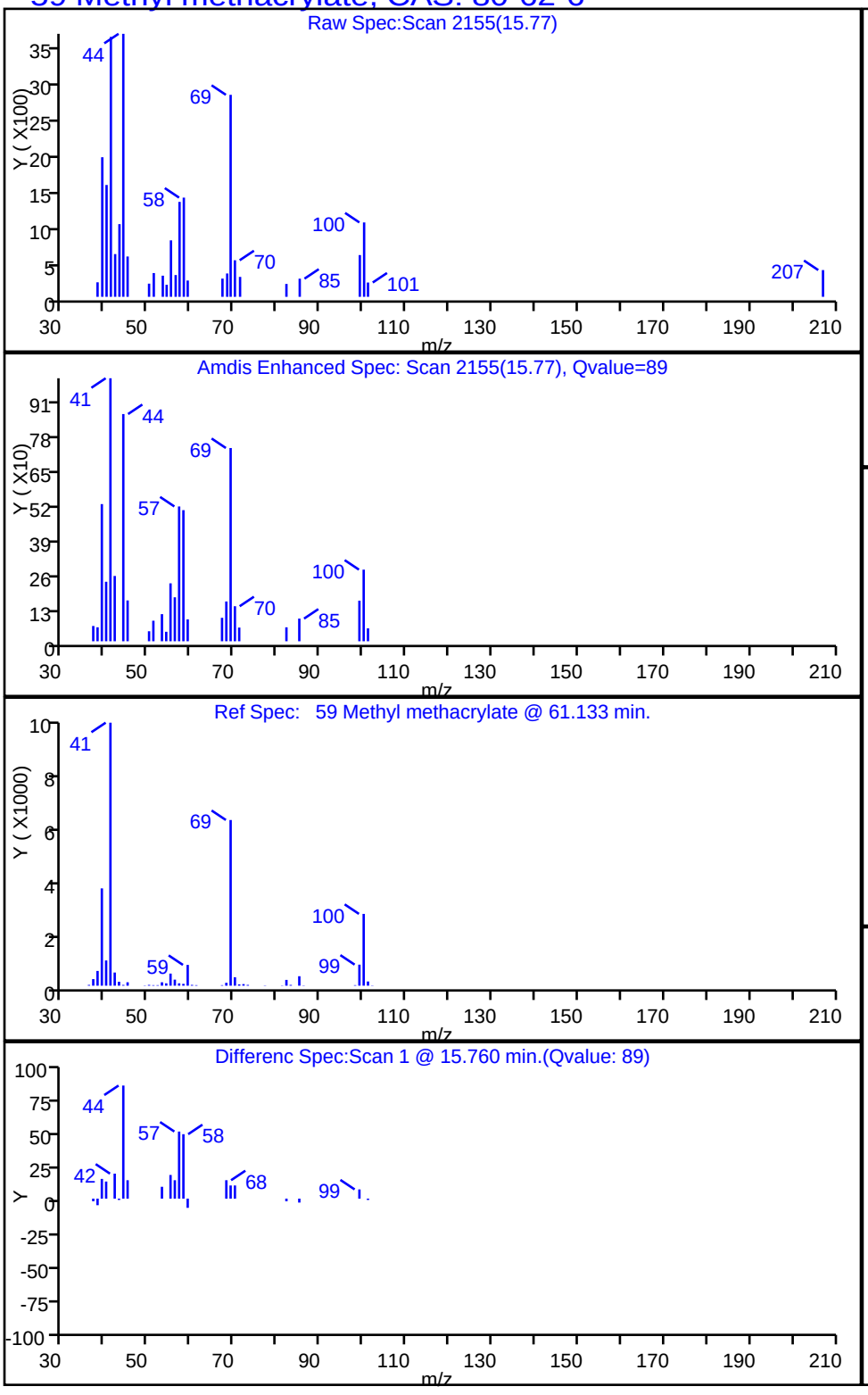


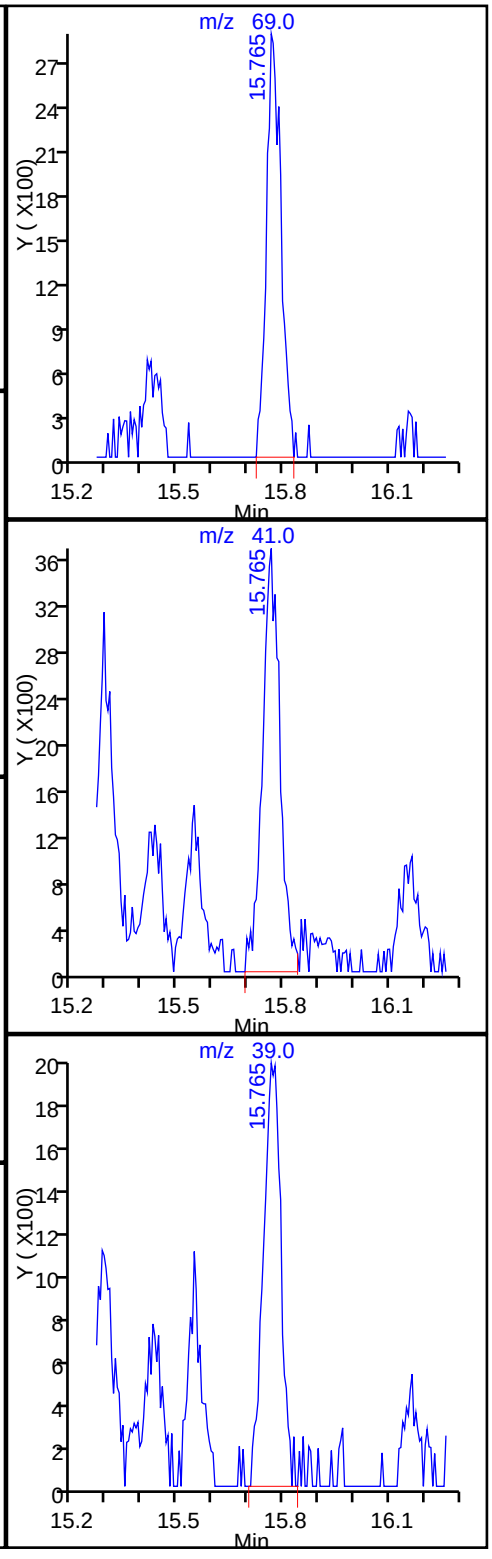


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Client ID:	101VMP0101EC				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	3.0300		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

59 Methyl methacrylate, CAS: 80-62-6





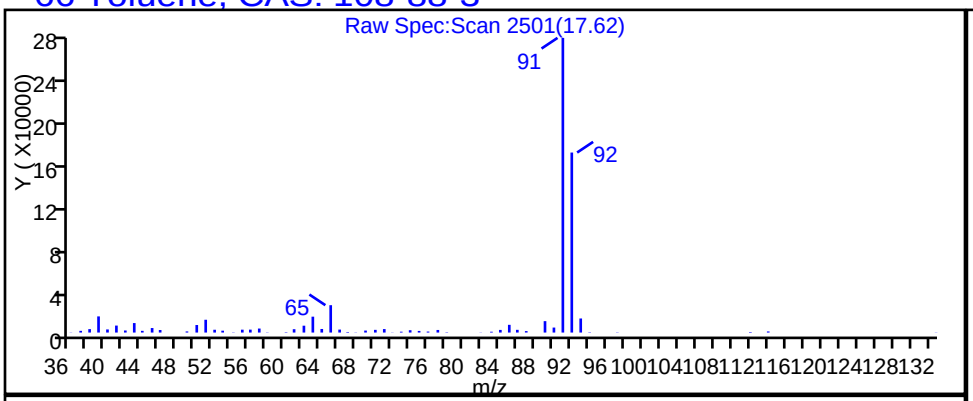
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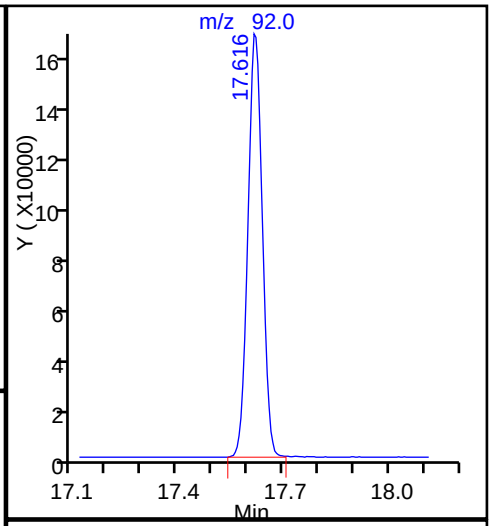
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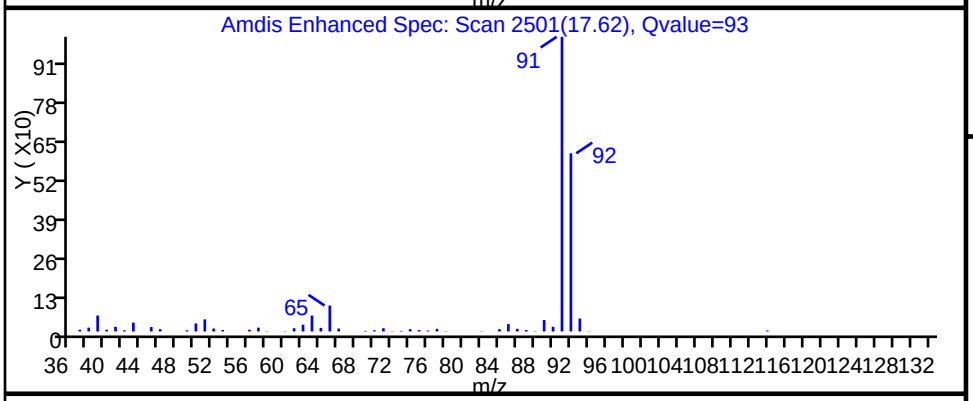
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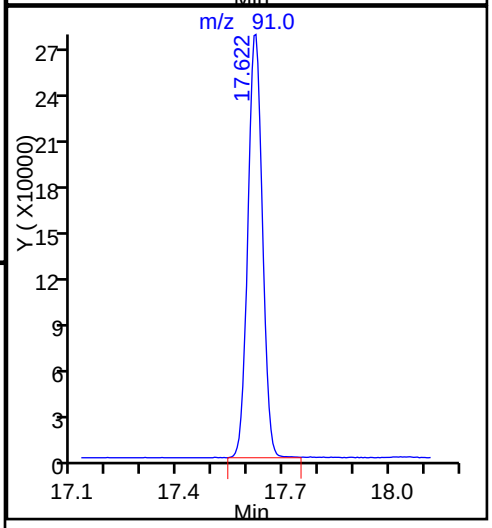
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Client ID:	101VMP0101EC				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	3.0300		
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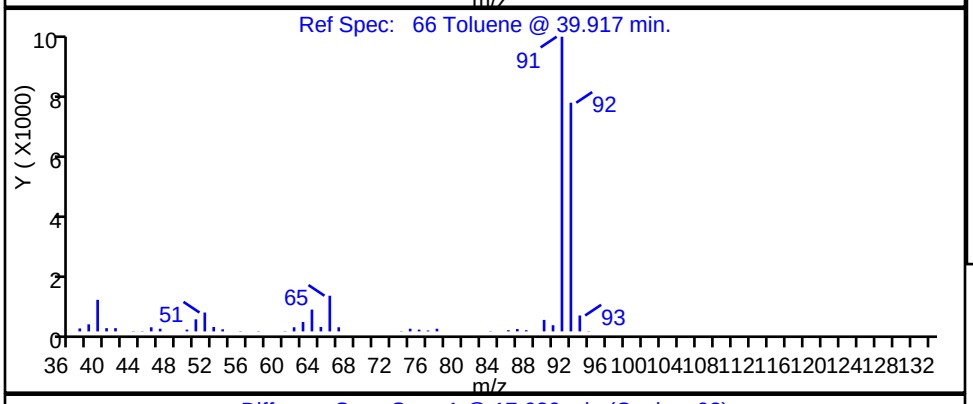
66 Toluene, CAS: 108-88-3

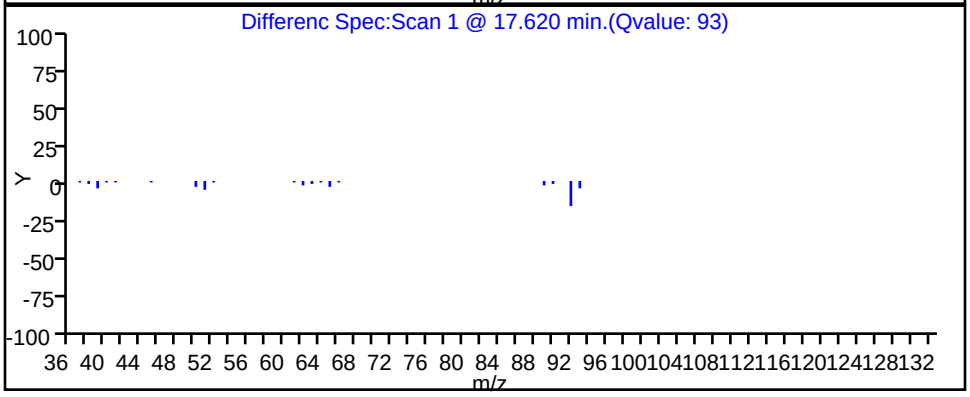






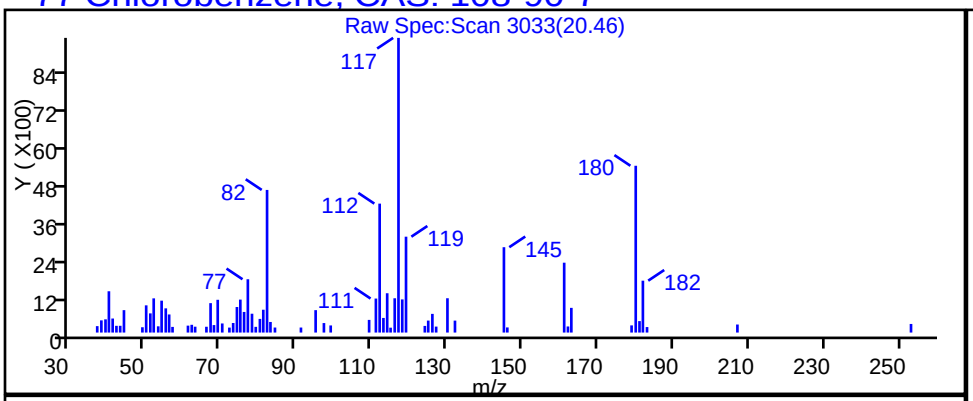


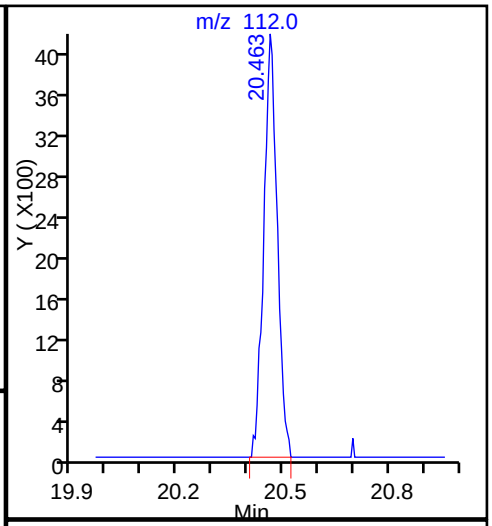


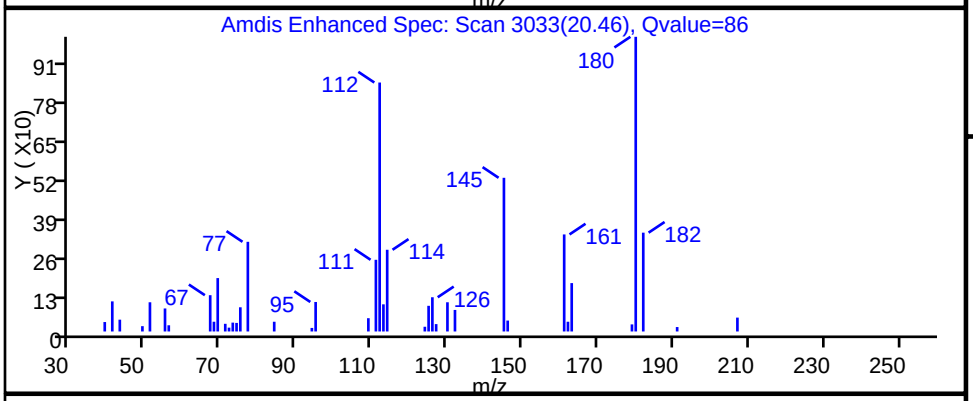


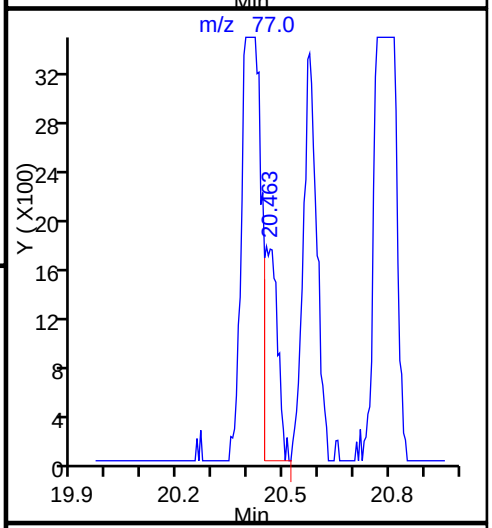
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Injection Date: 31-Oct-2014 17:58:30 Instrument ID: CHW.i
Lims ID: 280-61460-A-4 Lab Sample ID: 200-61460-4
Client ID: 101VMP0101EC
Operator ID: BPL ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 3.0300
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

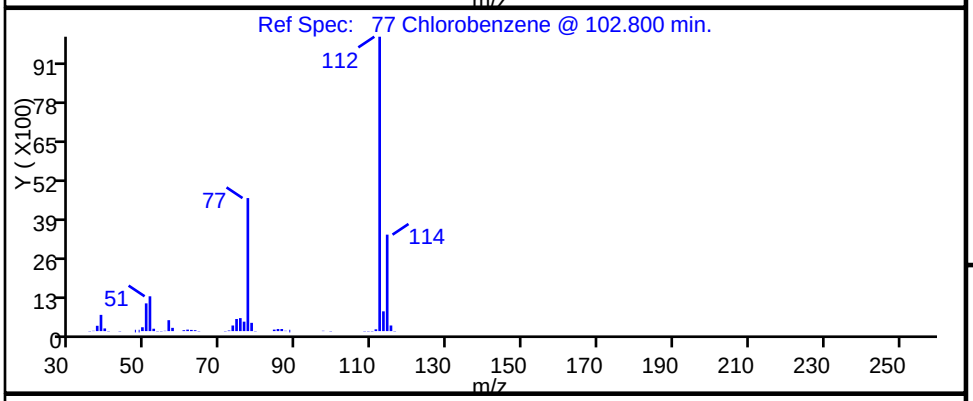
77 Chlorobenzene, CAS: 108-90-7

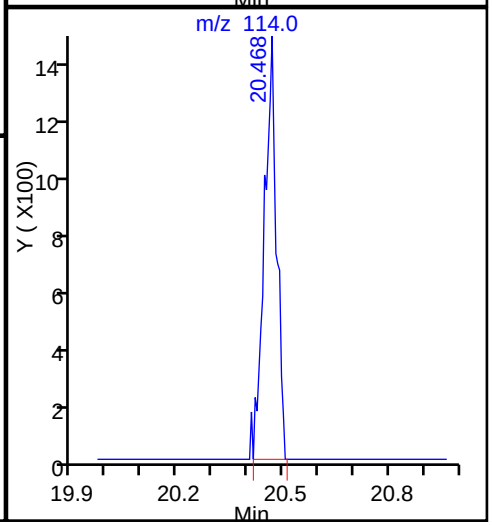


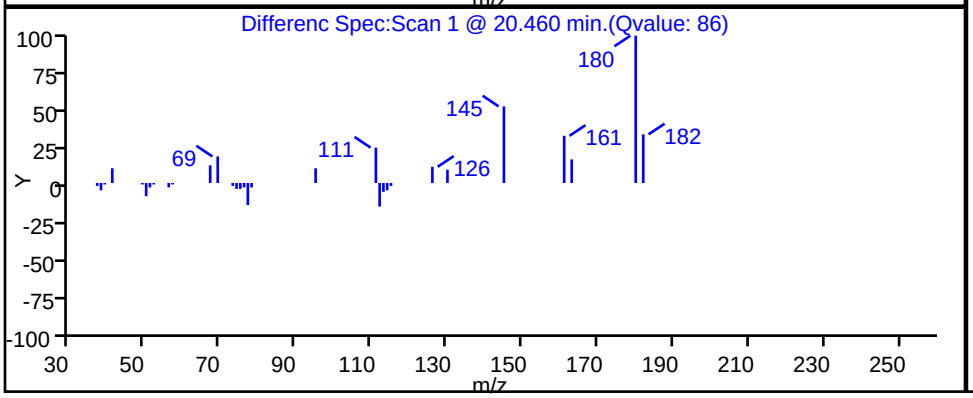












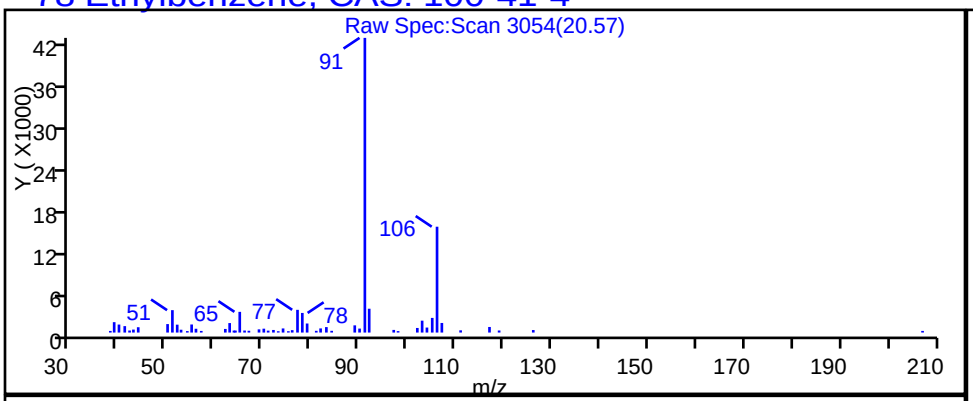
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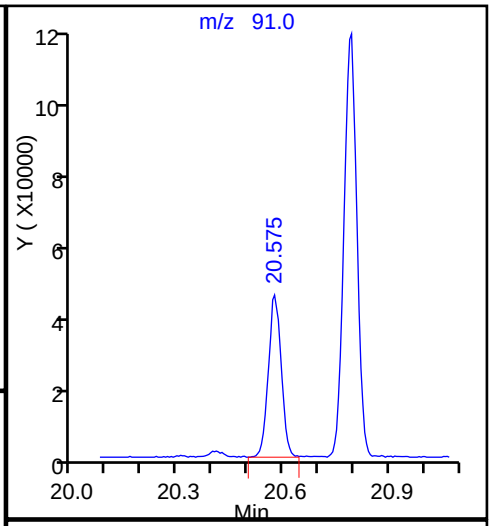
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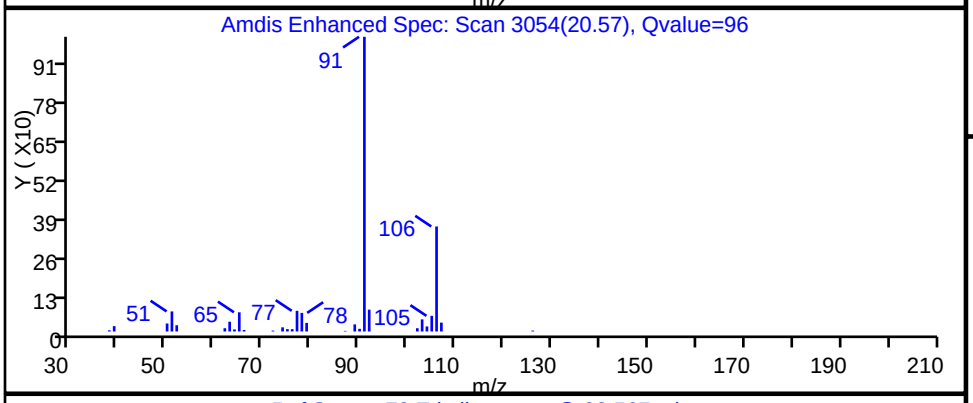
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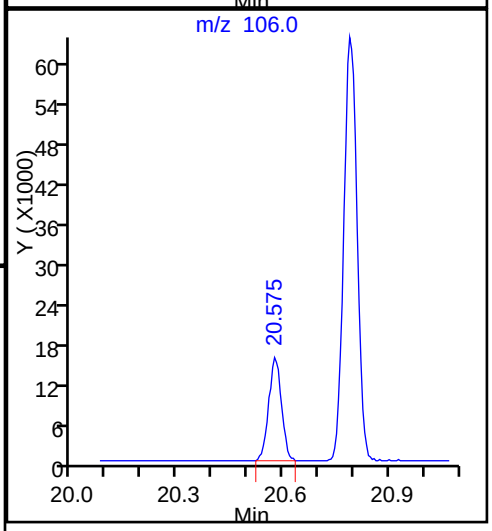
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Lims ID:	280-61460-A-4	Lab Sample ID:	200-61460-4		
Client ID:	101VMP0101EC				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	3.0300		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

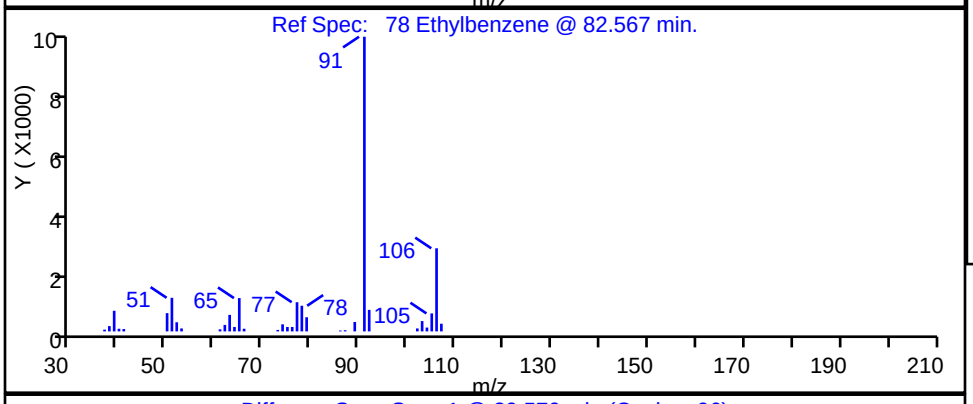
78 Ethylbenzene, CAS: 100-41-4

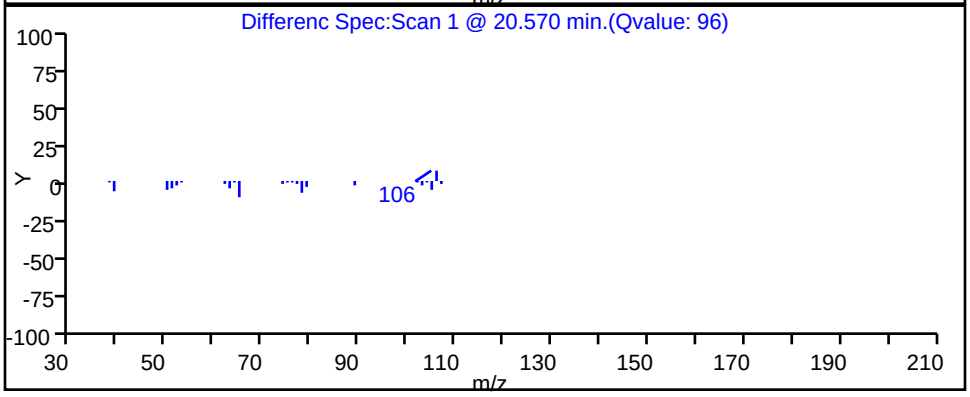












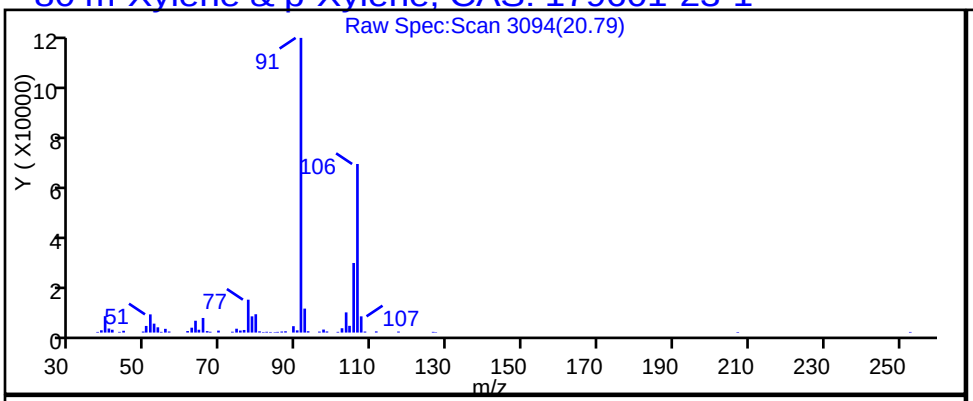
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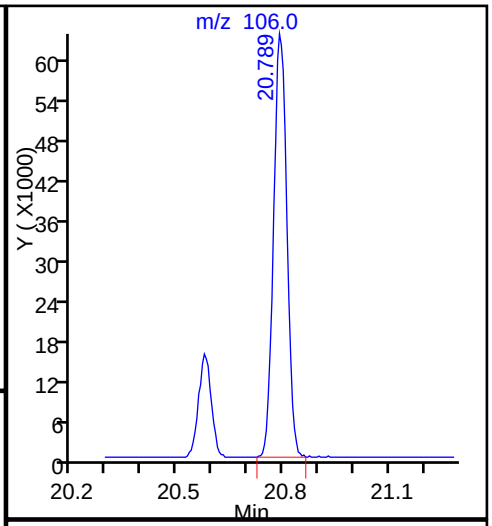
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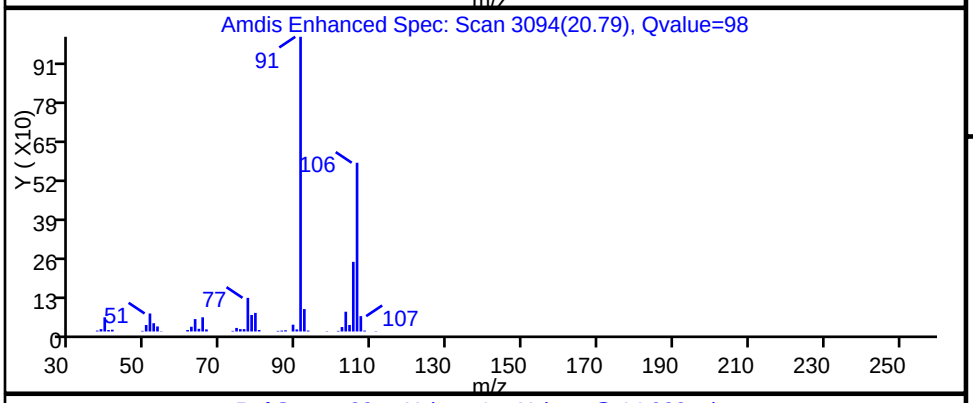
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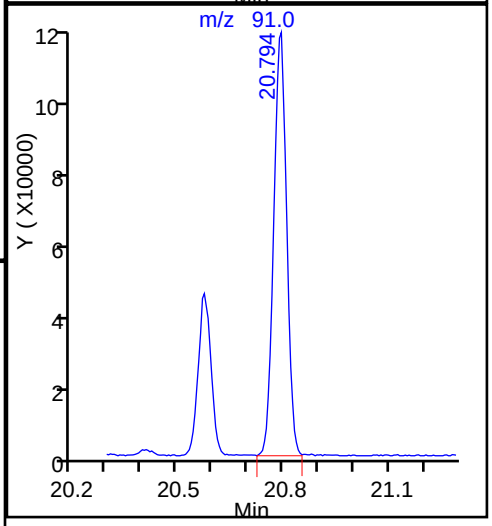
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Lims ID:	280-61460-A-4	Lab Sample ID:	200-61460-4		
Client ID:	101VMP0101EC				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	3.0300		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

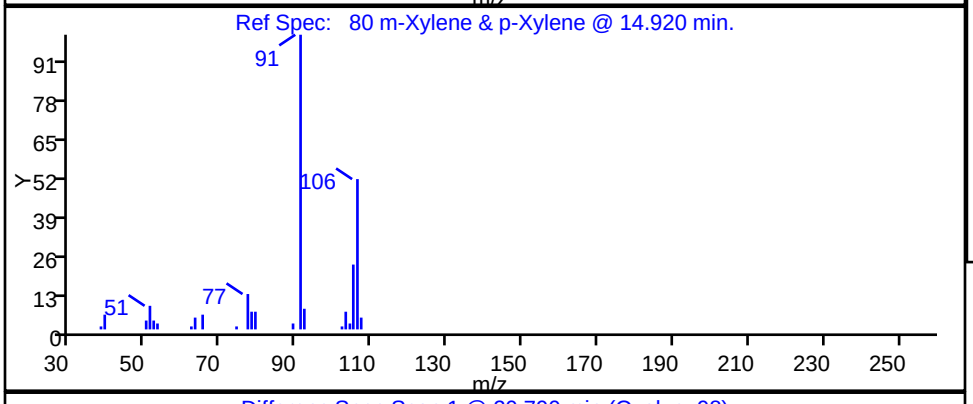
80 m-Xylene & p-Xylene, CAS: 179601-23-1

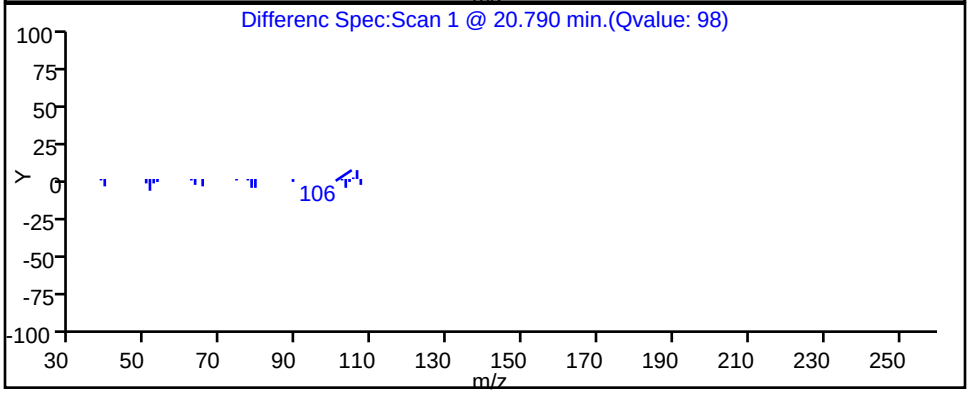












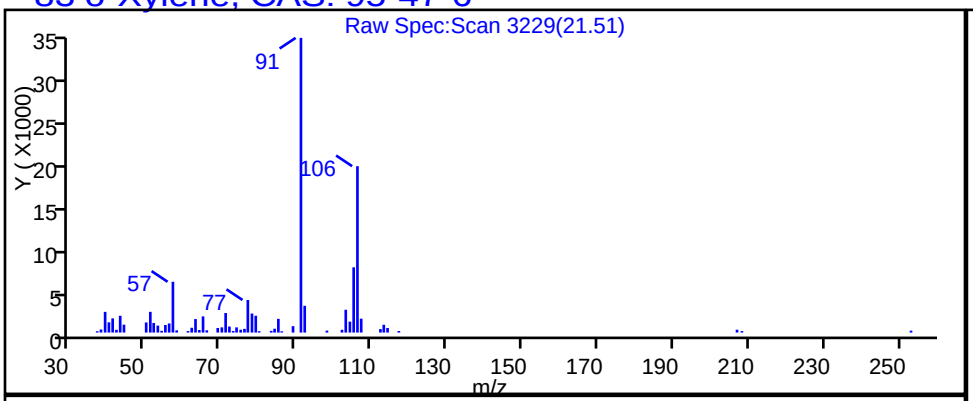
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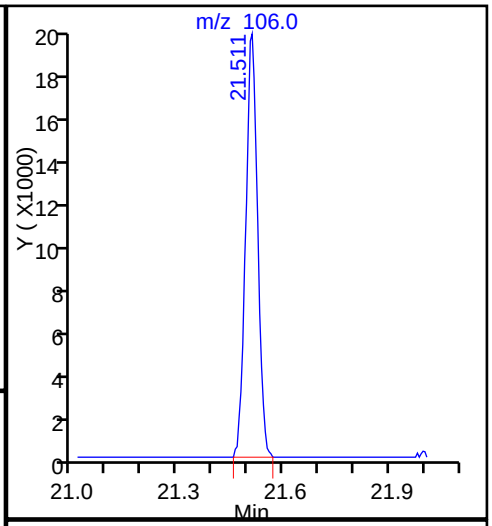
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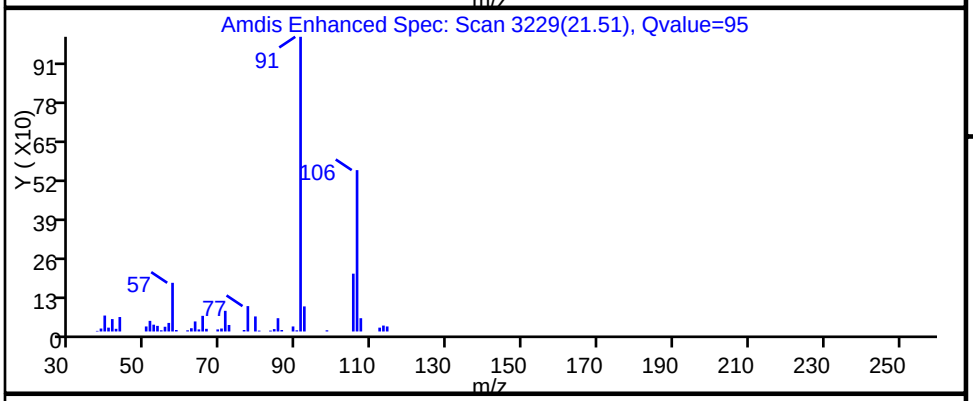
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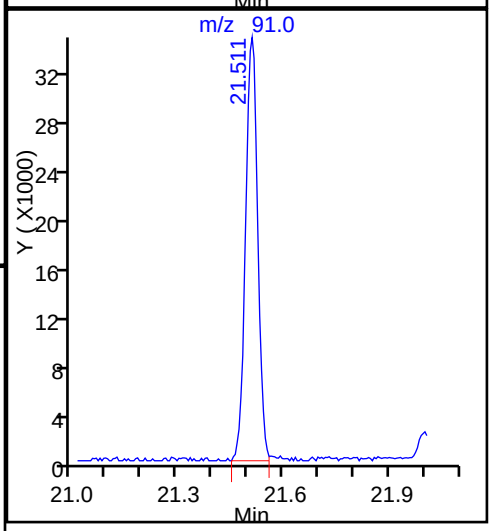
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Lims ID:	280-61460-A-4	Lab Sample ID:	200-61460-4		
Client ID:	101VMP0101EC				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	3.0300		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

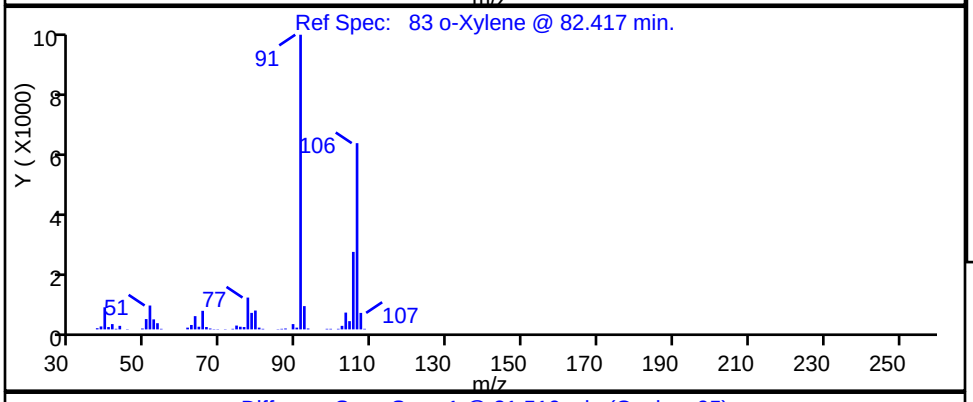
83 o-Xylene, CAS: 95-47-6

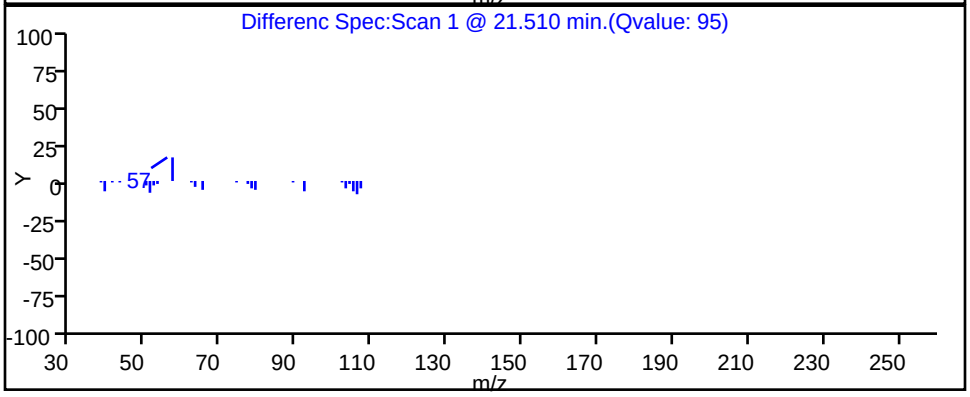












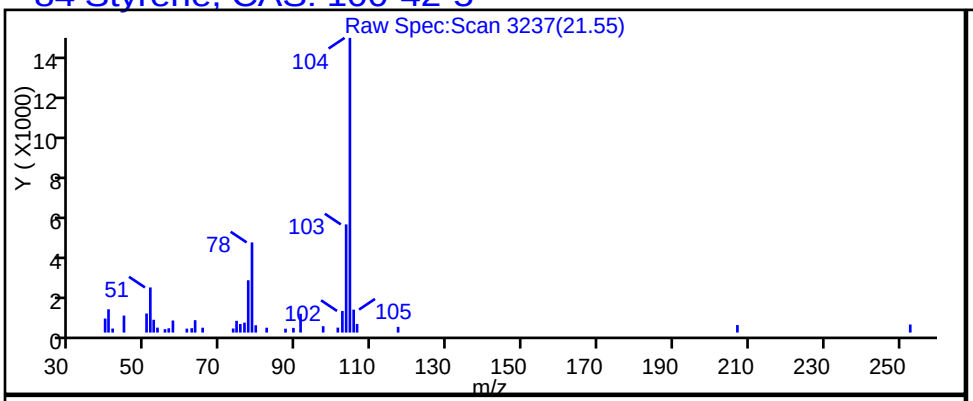
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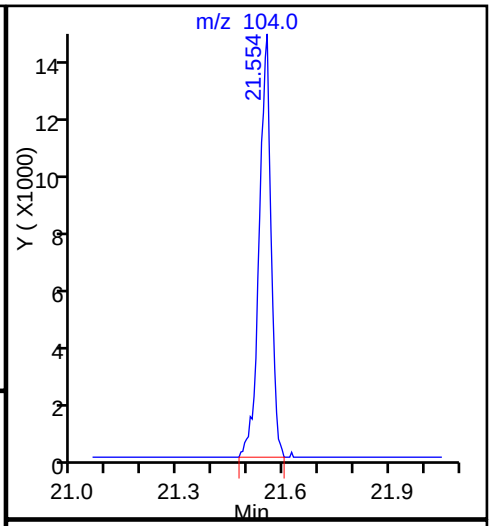
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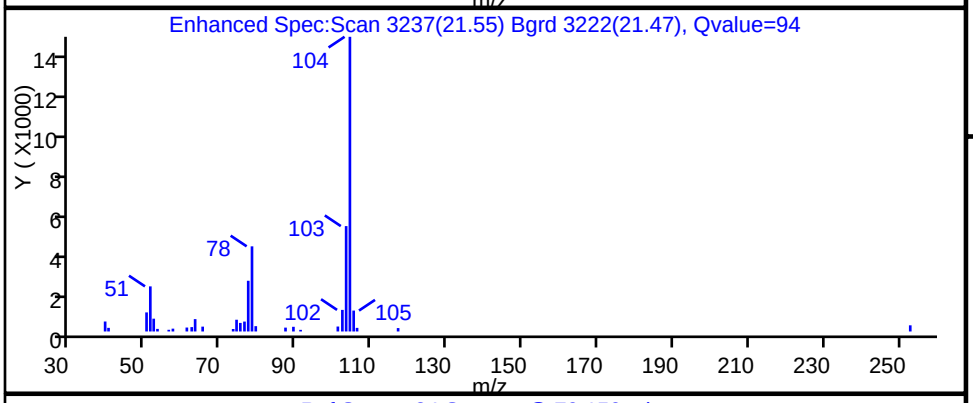
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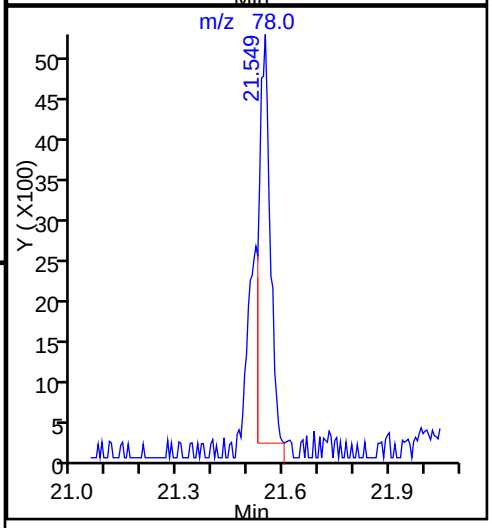
Injection Date:	31-Oct-2014 17:58:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-4	Lab Sample ID:	200-61460-4		
Client ID:	101VMP0101EC				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	3.0300		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

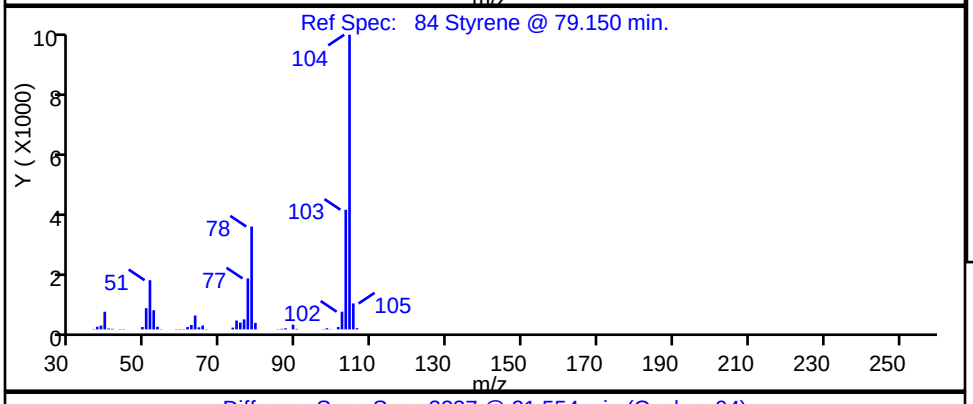
84 Styrene, CAS: 100-42-5

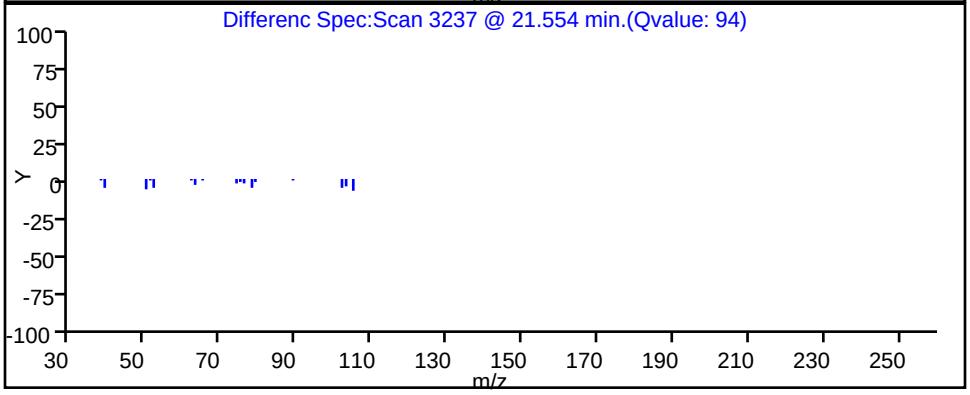












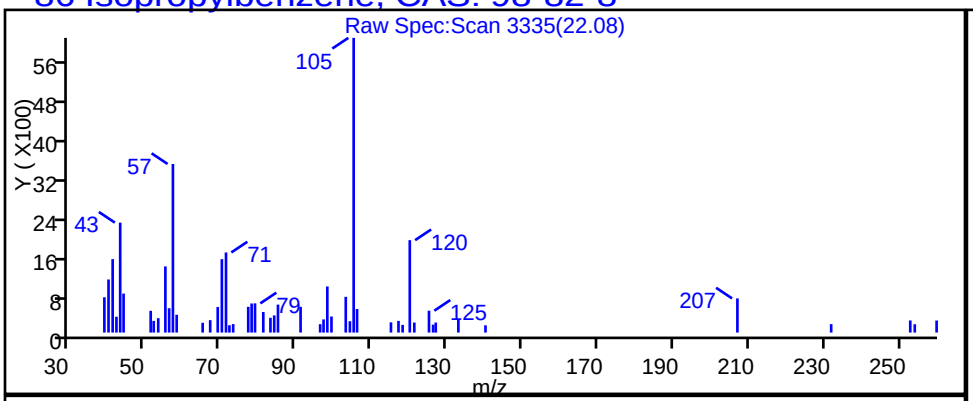
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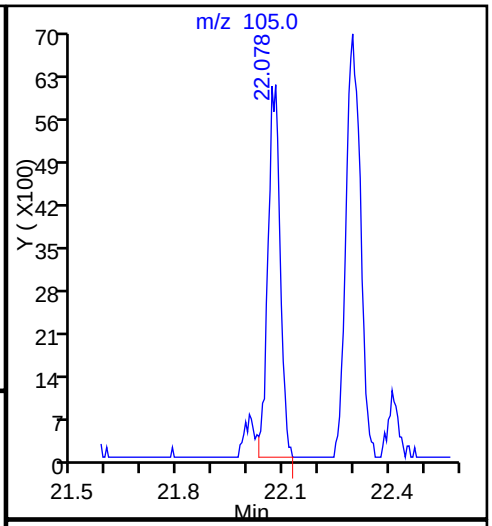
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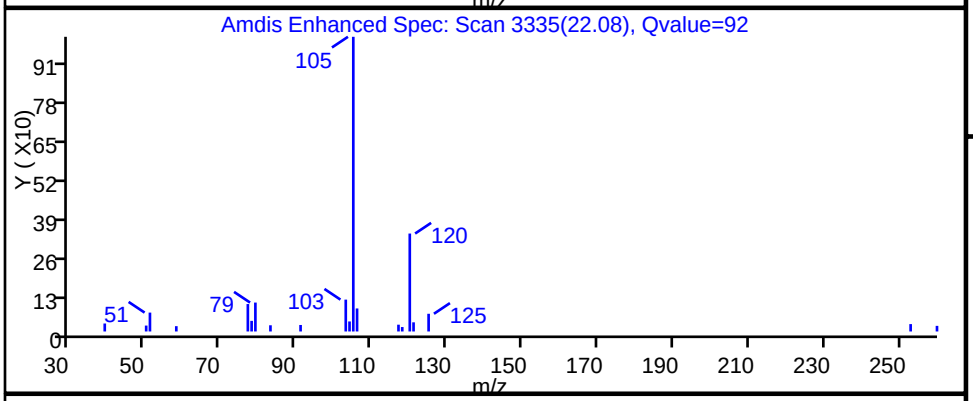
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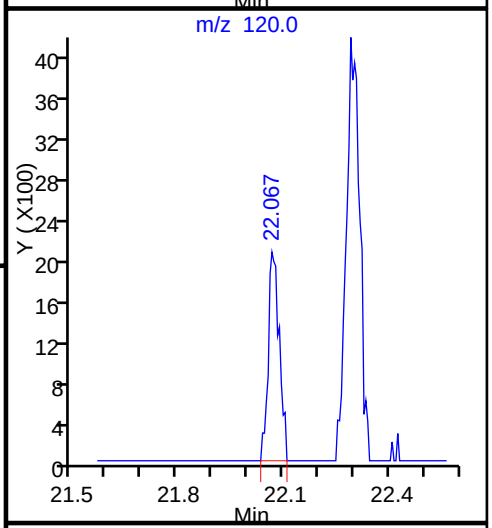
Injection Date:	31-Oct-2014 17:58:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-4	Lab Sample ID:	200-61460-4		
Client ID:	101VMP0101EC				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	3.0300		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

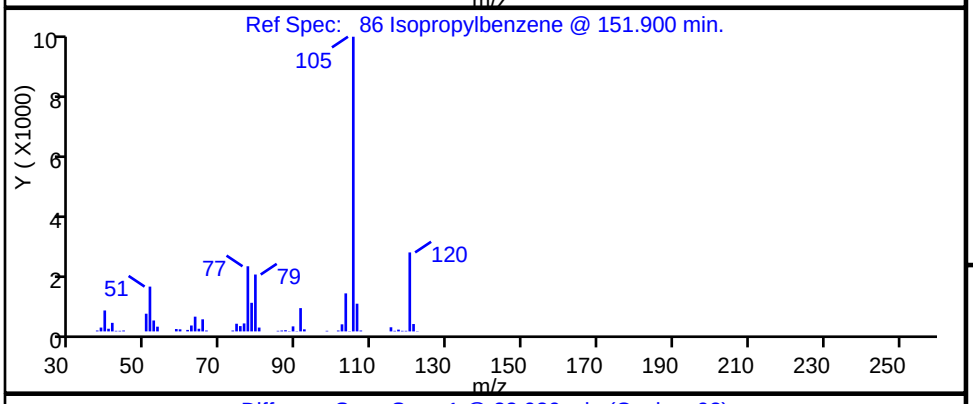
86 Isopropylbenzene, CAS: 98-82-8

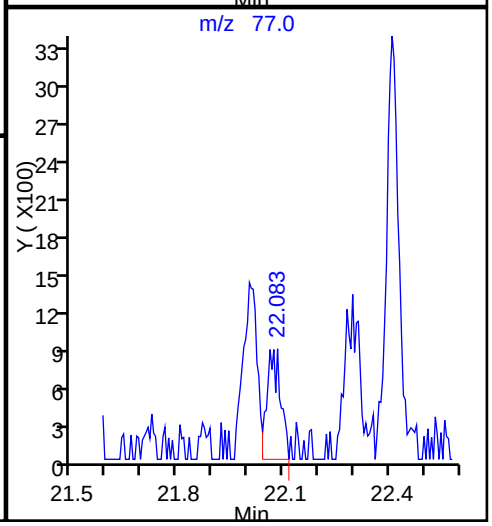


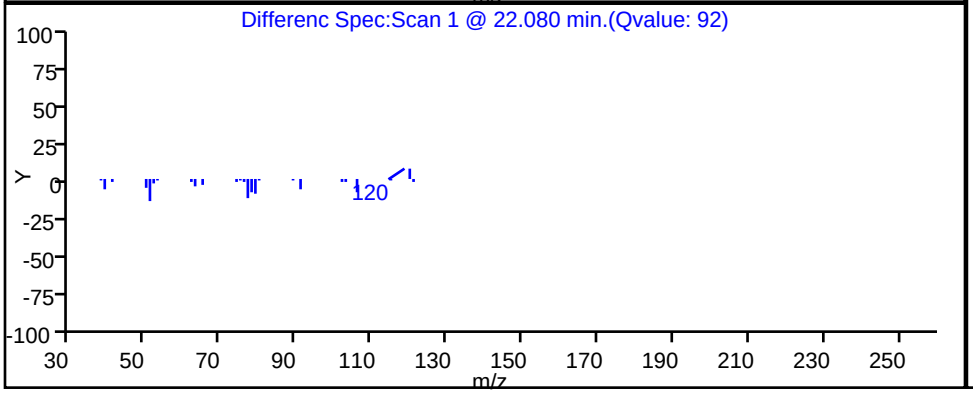












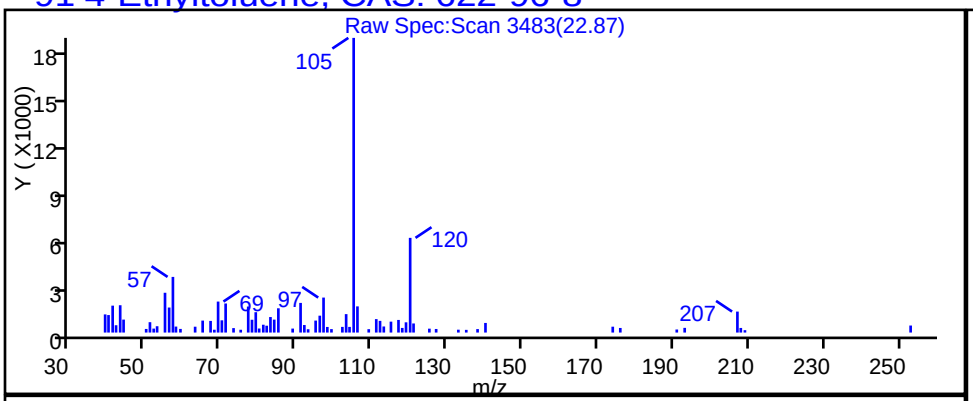
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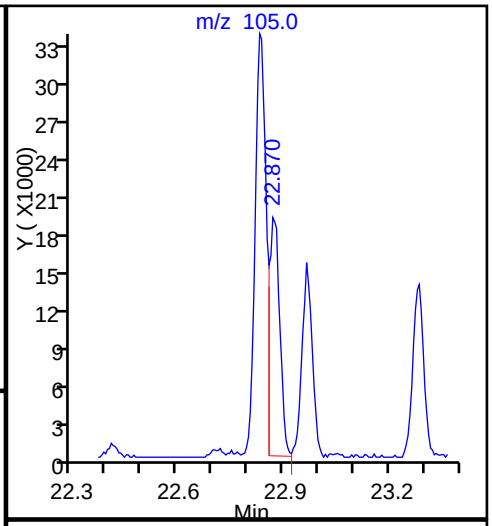
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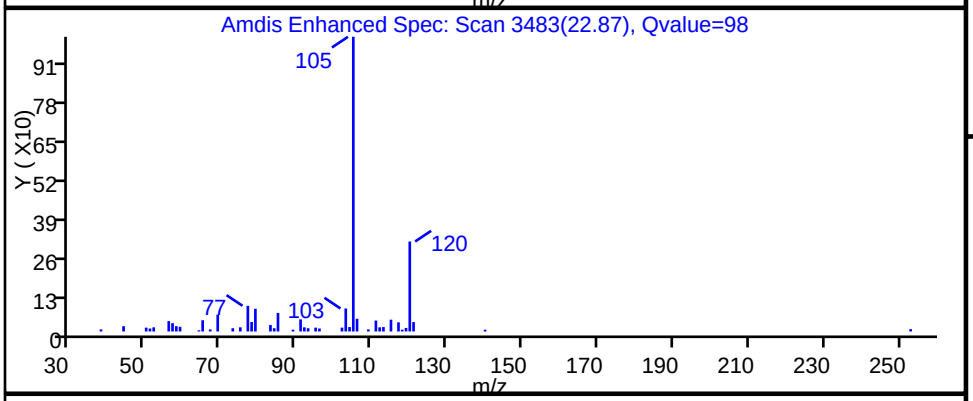
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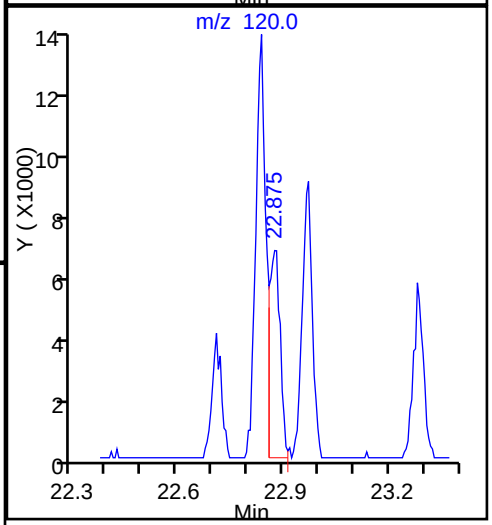
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Lims ID:	280-61460-A-4	Lab Sample ID:	200-61460-4		
Client ID:	101VMP0101EC				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	3.0300		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

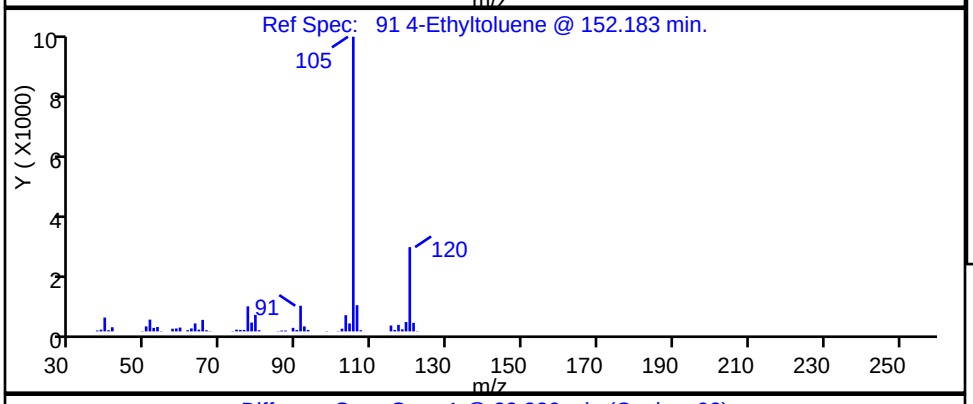
91 4-Ethyltoluene, CAS: 622-96-8

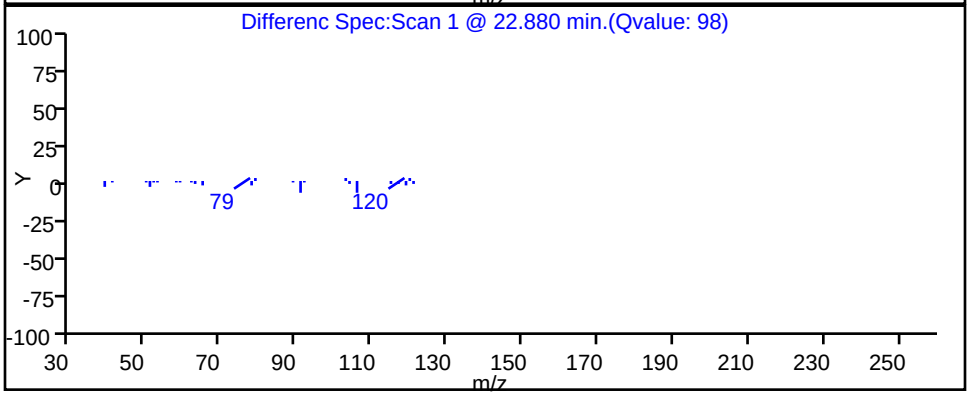








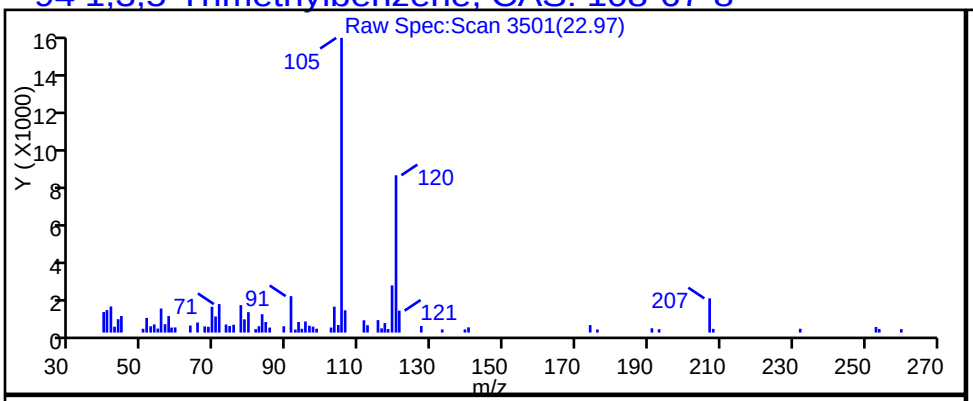


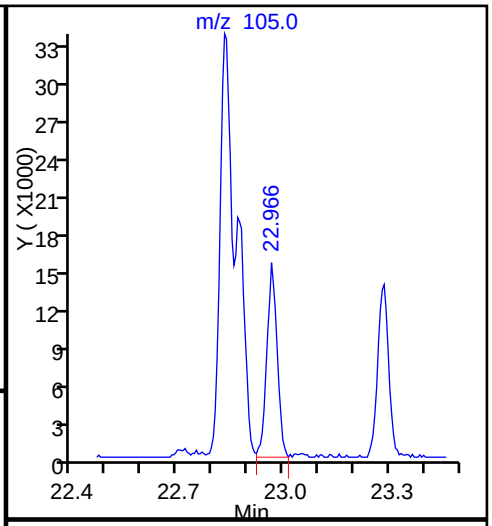


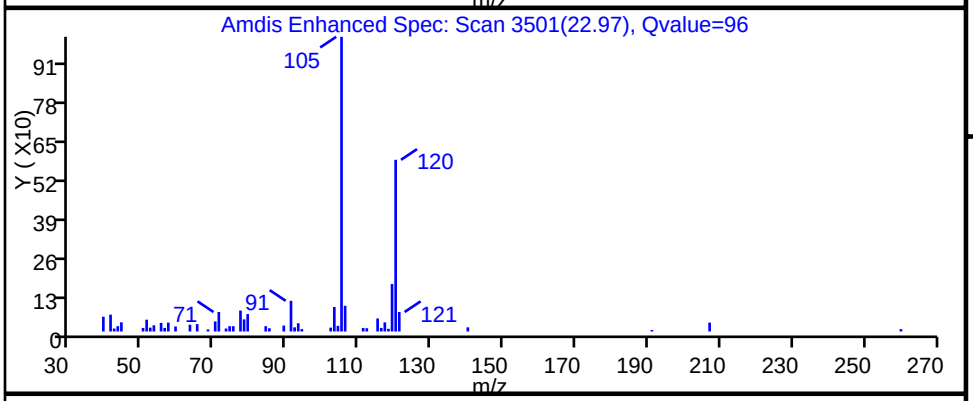
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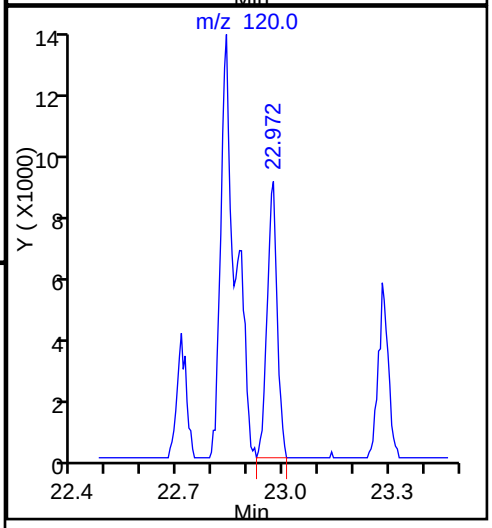
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Injection Date:	31-Oct-2014 17:58:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-4	Lab Sample ID:	200-61460-4		
Client ID:	101VMP0101EC				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	3.0300		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

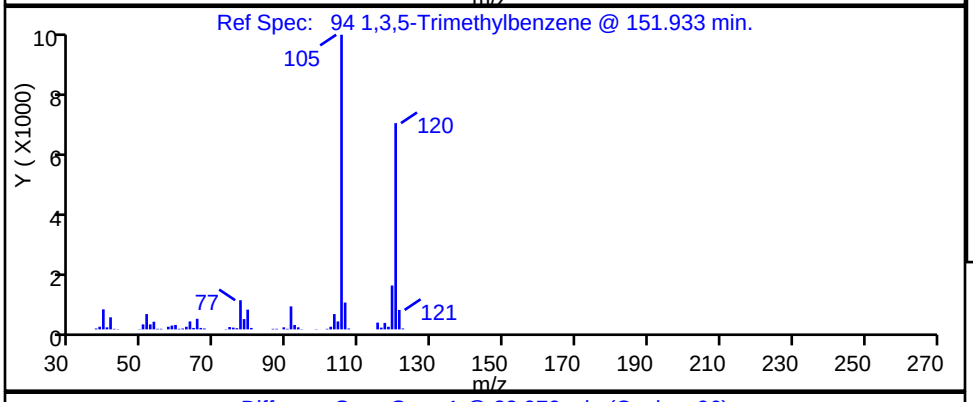
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

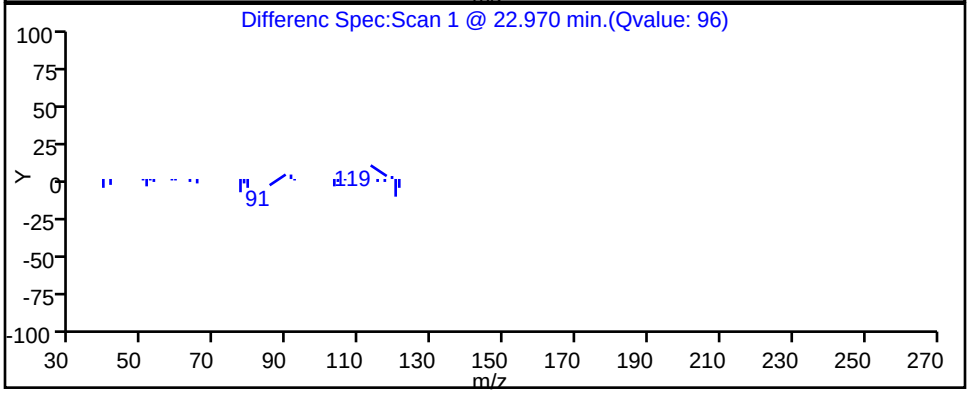










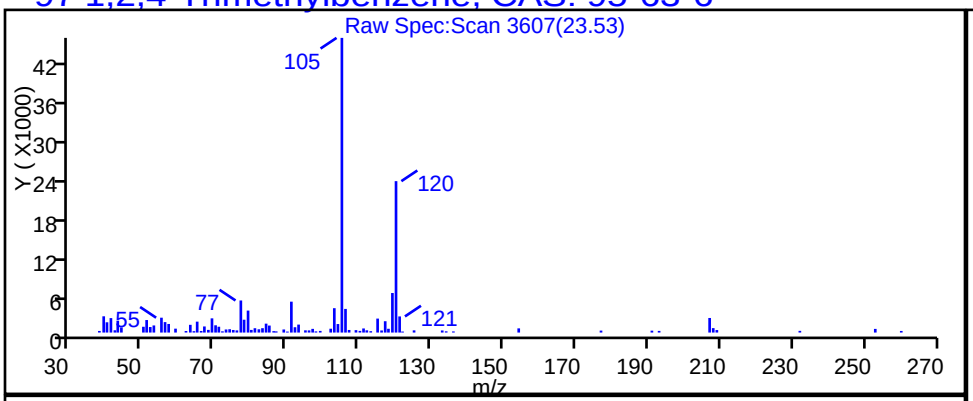


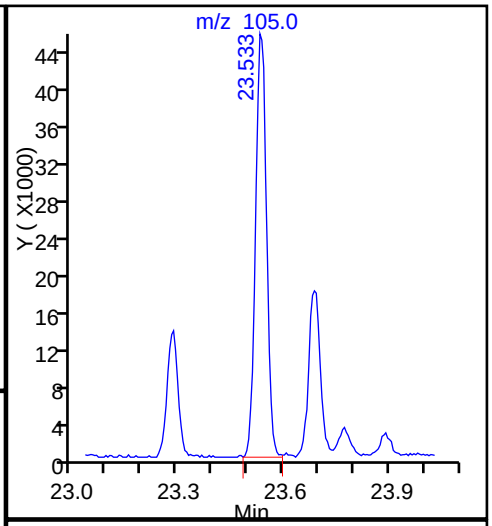
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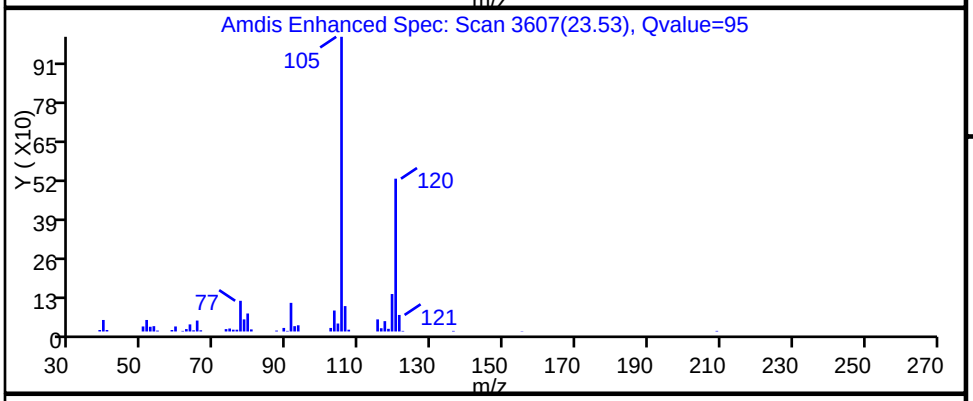
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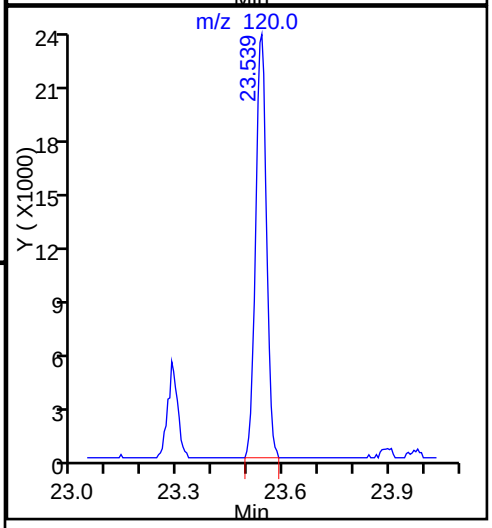
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Lims ID:	280-61460-A-4	Lab Sample ID:	200-61460-4		
Client ID:	101VMP0101EC				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	3.0300		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

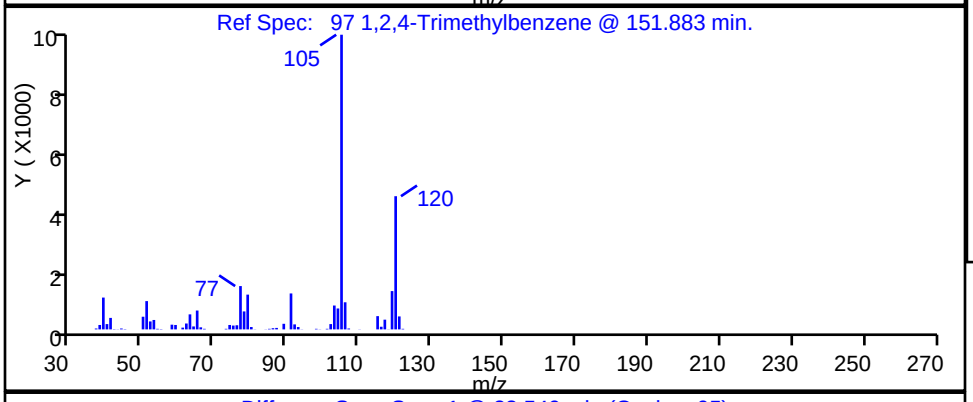
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

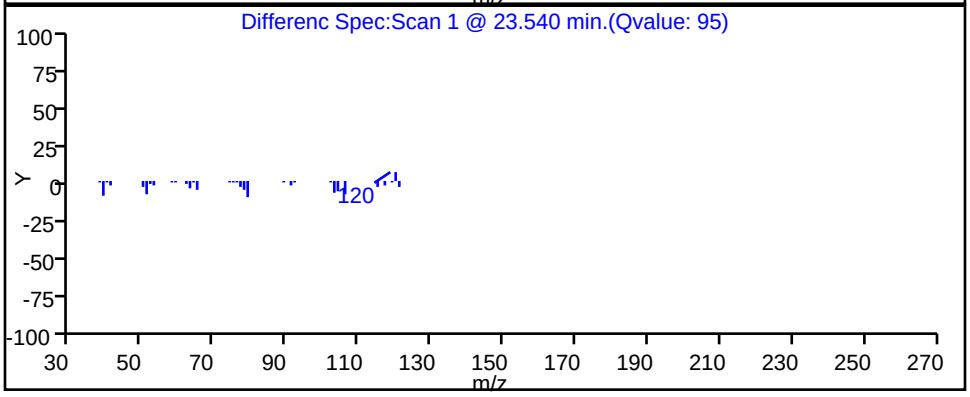








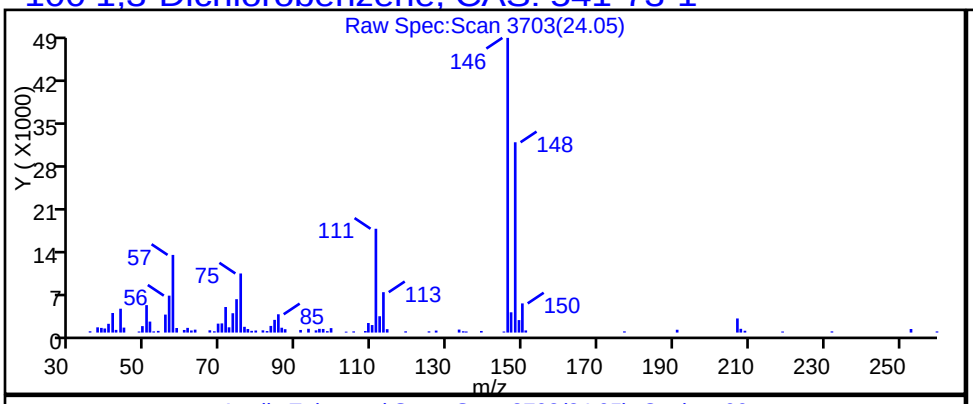


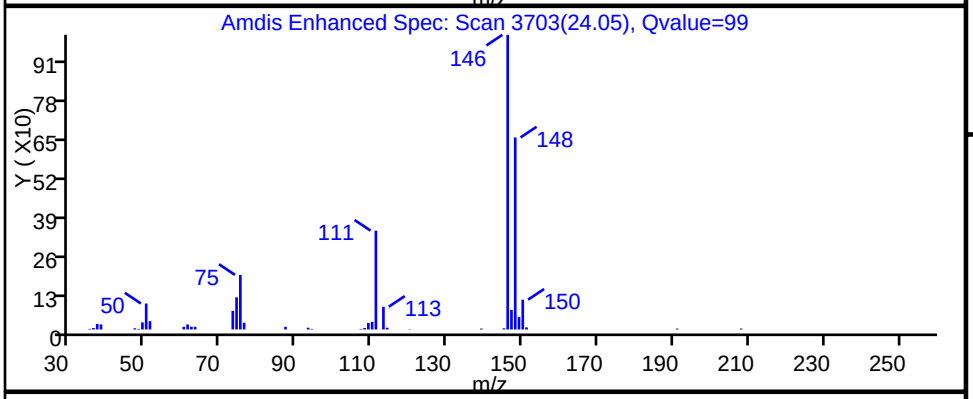


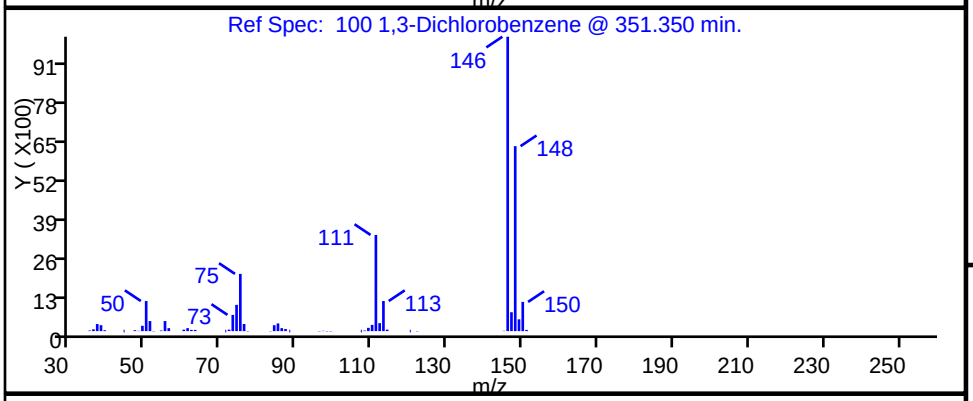
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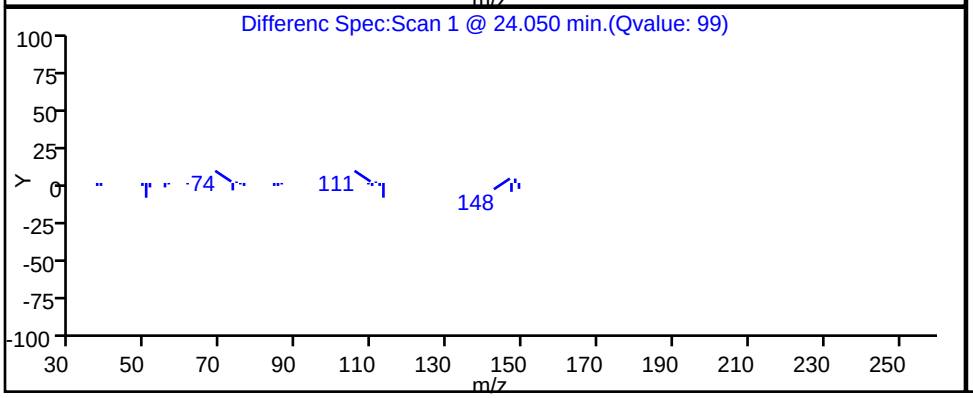
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Lims ID:	280-61460-A-4	Lab Sample ID:	200-61460-4		
Client ID:	101VMP0101EC				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	3.0300		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

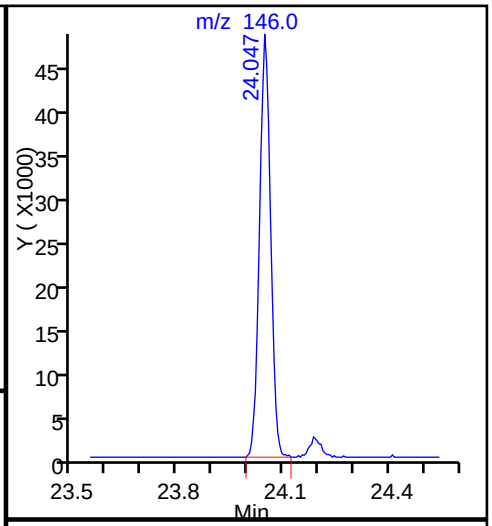
100 1,3-Dichlorobenzene, CAS: 541-73-1

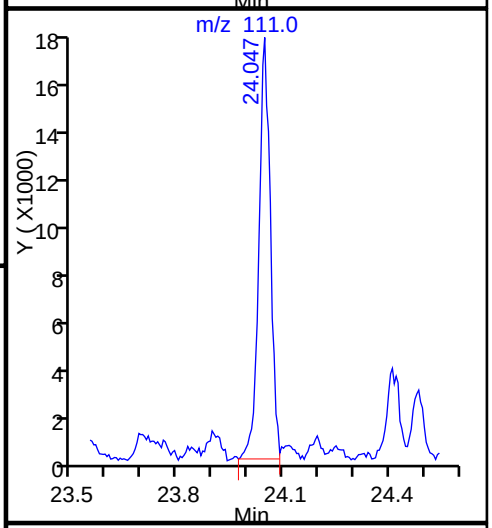


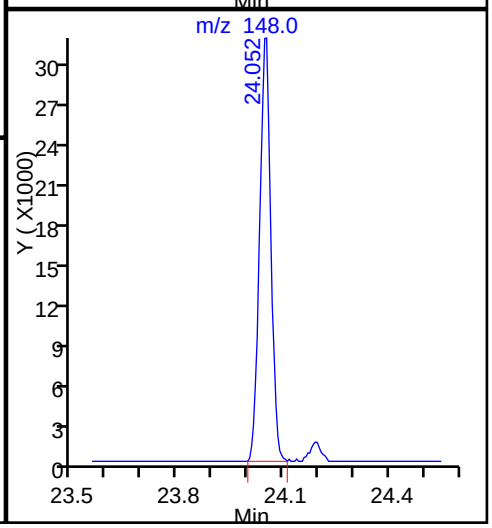












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101IA0305EA Lab Sample ID: 280-61460-5

Matrix: Air Lab File ID: 10320_12.D

Analysis Method: TO-15 Date Collected: 10/15/2014 13:50

Sample wt/vol: Date Analyzed: 11/03/2014 18:35

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79779 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.43	J D	1.3	0.14
75-45-6	Freon 22	86.47	0.26	J D	1.3	0.20
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.50	0.13
74-87-3	Chloromethane	50.49	0.58	J D	1.3	0.15
106-97-8	n-Butane	58.12	1.7	D	1.3	0.45
75-01-4	Vinyl chloride	62.50	0.075	U	0.50	0.065
106-99-0	1,3-Butadiene	54.09	0.20	U	0.50	0.090
74-83-9	Bromomethane	94.94	0.20	U	0.50	0.11
75-00-3	Chloroethane	64.52	0.20	U	1.3	0.15
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.075	U	0.50	0.050
75-69-4	Trichlorofluoromethane	137.37	0.23	J D	0.50	0.11
76-13-1	Freon TF	187.38	0.20	U	0.50	0.10
75-35-4	1,1-Dichloroethene	96.94	0.075	U	0.50	0.025
67-64-1	Acetone	58.08	44	D	13	1.7
67-63-0	Isopropyl alcohol	60.10	52	D	13	0.38
75-15-0	Carbon disulfide	76.14	4.3	D	1.3	0.075
107-05-1	3-Chloropropene	76.53	0.50	U	1.3	0.40
75-09-2	Methylene Chloride	84.93	0.34	J D	1.3	0.30
75-65-0	tert-Butyl alcohol	74.12	0.50	U	13	0.30
1634-04-4	Methyl tert-butyl ether	88.15	0.075	U	0.50	0.055
156-60-5	trans-1,2-Dichloroethene	96.94	0.075	U	0.50	0.068
110-54-3	n-Hexane	86.17	0.51	D	0.50	0.070
75-34-3	1,1-Dichloroethane	98.96	0.075	U	0.50	0.070
78-93-3	Methyl Ethyl Ketone	72.11	1.3	D	1.3	0.23
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.50	0.075
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.50	0.13
67-66-3	Chloroform	119.38	0.20	U	0.50	0.095
109-99-9	Tetrahydrofuran	72.11	1.0	J D	13	0.45
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.50	0.075
110-82-7	Cyclohexane	84.16	0.24	J D M	0.50	0.025
56-23-5	Carbon tetrachloride	153.81	0.057	J D	0.50	0.028
540-84-1	2,2,4-Trimethylpentane	114.23	0.19	J D	0.50	0.058
71-43-2	Benzene	78.11	0.27	J D	0.50	0.073
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.50	0.13

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101IA0305EA Lab Sample ID: 280-61460-5

Matrix: Air Lab File ID: 10320_12.D

Analysis Method: TO-15 Date Collected: 10/15/2014 13:50

Sample wt/vol: Date Analyzed: 11/03/2014 18:35

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79779 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.20	U	0.50	0.093
79-01-6	Trichloroethene	131.39	0.075	U	0.50	0.075
80-62-6	Methyl methacrylate	100.12	0.50	U	1.3	0.24
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.50	0.088
123-91-1	1,4-Dioxane	88.11	0.50	U	13	0.40
75-27-4	Bromodichloromethane	163.83	0.075	U	0.50	0.073
10061-01-5	cis-1,3-Dichloropropene	110.97	0.075	U	0.50	0.073
108-10-1	methyl isobutyl ketone	100.16	0.50	U	1.3	0.45
108-88-3	Toluene	92.14	17	D	0.50	0.063
10061-02-6	trans-1,3-Dichloropropene	110.97	0.075	U	0.50	0.065
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.50	0.093
127-18-4	Tetrachloroethene	165.83	0.075	U	0.50	0.075
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	1.3	0.43
124-48-1	Dibromochloromethane	208.29	0.075	U	0.50	0.050
106-93-4	1,2-Dibromoethane	187.87	0.075	U	0.50	0.045
108-90-7	Chlorobenzene	112.56	0.23	J D	0.50	0.045
100-41-4	Ethylbenzene	106.17	0.64	D M	0.50	0.050
179601-23-1	m,p-Xylene	106.17	2.4	D	1.3	0.063
95-47-6	Xylene, o-	106.17	0.58	D	0.50	0.045
1330-20-7	Xylene (total)	106.17	3.0		0.50	0.10
100-42-5	Styrene	104.15	0.075	U	0.50	0.040
75-25-2	Bromoform	252.75	0.075	U	0.50	0.063
98-82-8	Cumene	120.19	0.075	U	0.50	0.048
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.50	0.085
103-65-1	n-Propylbenzene	120.19	0.075	U	0.50	0.068
622-96-8	4-Ethyltoluene	120.20	0.10	J D	0.50	0.050
108-67-8	1,3,5-Trimethylbenzene	120.20	0.10	J D	0.50	0.048
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.50	0.078
98-06-6	tert-Butylbenzene	134.22	0.075	U	0.50	0.050
95-63-6	1,2,4-Trimethylbenzene	120.20	0.34	J D	0.50	0.040
135-98-8	sec-Butylbenzene	134.22	0.075	U	0.50	0.053
99-87-6	4-Isopropyltoluene	134.22	0.075	U	0.50	0.050
541-73-1	1,3-Dichlorobenzene	147.00	0.075	U	0.50	0.050
106-46-7	1,4-Dichlorobenzene	147.00	0.075	U	0.50	0.048

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101IA0305EA Lab Sample ID: 280-61460-5

Matrix: Air Lab File ID: 10320_12.D

Analysis Method: TO-15 Date Collected: 10/15/2014 13:50

Sample wt/vol: Date Analyzed: 11/03/2014 18:35

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79779 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.075	U	0.50	0.045
104-51-8	n-Butylbenzene	134.22	0.075	U	0.50	0.070
95-50-1	1,2-Dichlorobenzene	147.00	0.075	U	0.50	0.045
120-82-1	1,2,4-Trichlorobenzene	181.45	0.20	U	1.3	0.085
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.50	0.090
91-20-3	Naphthalene	128.17	0.20	U	1.3	0.075

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101IA0305EA Lab Sample ID: 280-61460-5

Matrix: Air Lab File ID: 10320_12.D

Analysis Method: TO-15 Date Collected: 10/15/2014 13:50

Sample wt/vol: Date Analyzed: 11/03/2014 18:35

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79779 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.1	J D	6.2	0.69
75-45-6	Freon 22	86.47	0.92	J D	4.4	0.71
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	3.5	0.91
74-87-3	Chloromethane	50.49	1.2	J D	2.6	0.31
106-97-8	n-Butane	58.12	4.1	D	3.0	1.1
75-01-4	Vinyl chloride	62.50	0.19	U	1.3	0.17
106-99-0	1,3-Butadiene	54.09	0.44	U	1.1	0.20
74-83-9	Bromomethane	94.94	0.78	U	1.9	0.43
75-00-3	Chloroethane	64.52	0.53	U	3.3	0.40
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.33	U	2.2	0.22
75-69-4	Trichlorofluoromethane	137.37	1.3	J D	2.8	0.63
76-13-1	Freon TF	187.38	1.5	U	3.8	0.79
75-35-4	1,1-Dichloroethene	96.94	0.30	U	2.0	0.099
67-64-1	Acetone	58.08	100	D	30	4.1
67-63-0	Isopropyl alcohol	60.10	130	D	31	0.92
75-15-0	Carbon disulfide	76.14	13	D	3.9	0.23
107-05-1	3-Chloropropene	76.53	1.6	U	3.9	1.3
75-09-2	Methylene Chloride	84.93	1.2	J D	4.3	1.0
75-65-0	tert-Butyl alcohol	74.12	1.5	U	38	0.91
1634-04-4	Methyl tert-butyl ether	88.15	0.27	U	1.8	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	0.30	U	2.0	0.27
110-54-3	n-Hexane	86.17	1.8	D	1.8	0.25
75-34-3	1,1-Dichloroethane	98.96	0.30	U	2.0	0.28
78-93-3	Methyl Ethyl Ketone	72.11	3.8	D	3.7	0.68
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	2.0	0.30
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	2.0	0.53
67-66-3	Chloroform	119.38	0.98	U	2.4	0.46
109-99-9	Tetrahydrofuran	72.11	3.0	J D	37	1.3
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	2.7	0.41
110-82-7	Cyclohexane	84.16	0.84	J D M	1.7	0.086
56-23-5	Carbon tetrachloride	153.81	0.36	J D	3.1	0.17
540-84-1	2,2,4-Trimethylpentane	114.23	0.87	J D	2.3	0.27
71-43-2	Benzene	78.11	0.86	J D	1.6	0.23
107-06-2	1,2-Dichloroethane	98.96	0.81	U	2.0	0.53

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101IA0305EA Lab Sample ID: 280-61460-5

Matrix: Air Lab File ID: 10320_12.D

Analysis Method: TO-15 Date Collected: 10/15/2014 13:50

Sample wt/vol: Date Analyzed: 11/03/2014 18:35

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79779 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.82	U	2.0	0.38
79-01-6	Trichloroethene	131.39	0.40	U	2.7	0.40
80-62-6	Methyl methacrylate	100.12	2.0	U	5.1	0.98
78-87-5	1,2-Dichloropropane	112.99	0.92	U	2.3	0.40
123-91-1	1,4-Dioxane	88.11	1.8	U	45	1.4
75-27-4	Bromodichloromethane	163.83	0.50	U	3.4	0.49
10061-01-5	cis-1,3-Dichloropropene	110.97	0.34	U	2.3	0.33
108-10-1	methyl isobutyl ketone	100.16	2.0	U	5.1	1.8
108-88-3	Toluene	92.14	63	D	1.9	0.24
10061-02-6	trans-1,3-Dichloropropene	110.97	0.34	U	2.3	0.30
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	2.7	0.50
127-18-4	Tetrachloroethene	165.83	0.51	U	3.4	0.51
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	5.1	1.7
124-48-1	Dibromochloromethane	208.29	0.64	U	4.3	0.43
106-93-4	1,2-Dibromoethane	187.87	0.58	U	3.8	0.35
108-90-7	Chlorobenzene	112.56	1.1	J D	2.3	0.21
100-41-4	Ethylbenzene	106.17	2.8	D M	2.2	0.22
179601-23-1	m,p-Xylene	106.17	10	D	5.4	0.27
95-47-6	Xylene, o-	106.17	2.5	D	2.2	0.20
1330-20-7	Xylene (total)	106.17	13		2.2	0.45
100-42-5	Styrene	104.15	0.32	U	2.1	0.17
75-25-2	Bromoform	252.75	0.78	U	5.2	0.65
98-82-8	Cumene	120.19	0.37	U	2.5	0.23
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	3.4	0.58
103-65-1	n-Propylbenzene	120.19	0.37	U	2.5	0.33
622-96-8	4-Ethyltoluene	120.20	0.52	J D	2.5	0.25
108-67-8	1,3,5-Trimethylbenzene	120.20	0.51	J D	2.5	0.23
95-49-8	2-Chlorotoluene	126.59	1.0	U	2.6	0.40
98-06-6	tert-Butylbenzene	134.22	0.41	U	2.7	0.27
95-63-6	1,2,4-Trimethylbenzene	120.20	1.7	J D	2.5	0.20
135-98-8	sec-Butylbenzene	134.22	0.41	U	2.7	0.29
99-87-6	4-Isopropyltoluene	134.22	0.41	U	2.7	0.27
541-73-1	1,3-Dichlorobenzene	147.00	0.45	U	3.0	0.30
106-46-7	1,4-Dichlorobenzene	147.00	0.45	U	3.0	0.29

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101IA0305EA Lab Sample ID: 280-61460-5

Matrix: Air Lab File ID: 10320_12.D

Analysis Method: TO-15 Date Collected: 10/15/2014 13:50

Sample wt/vol: Date Analyzed: 11/03/2014 18:35

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79779 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.39	U	2.6	0.23
104-51-8	n-Butylbenzene	134.22	0.41	U	2.7	0.38
95-50-1	1,2-Dichlorobenzene	147.00	0.45	U	3.0	0.27
120-82-1	1,2,4-Trichlorobenzene	181.45	1.5	U	9.3	0.63
87-68-3	Hexachlorobutadiene	260.76	2.1	U	5.3	0.96
91-20-3	Naphthalene	128.17	1.0	U	6.6	0.39

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141103-10320.b\10320_12.D
Lims ID: 280-61460-A-5 Lab Sample ID: 200-61460-5
Client ID: 101IA0305EA
Sample Type: Client
Inject. Date: 03-Nov-2014 18:35:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 2.5000
Sample Info: 200-0010320-012
Misc. Info.: 61460-05
Operator ID: pad Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20141103-10320.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 04-Nov-2014 09:09:55 Calib Date: 29-Oct-2014 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK019

First Level Reviewer: lyonsb Date: 04-Nov-2014 09:09:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.060	3.060	0.000	98	14062	0.1719	
6 Chlorodifluoromethane	51	3.119	3.113	0.006	95	3590	0.1042	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.332				ND	
8 Chloromethane	50	3.476	3.471	0.005	98	3016	0.2325	
9 Butane	43	3.679	3.679	0.000	92	15393	0.6839	
10 Vinyl chloride	62		3.722				ND	
11 Butadiene	54		3.802				ND	
12 Bromomethane	94		4.506				ND	
13 Chloroethane	64		4.757				ND	
15 Vinyl bromide	106		5.163				ND	
16 Trichlorofluoromethane	101	5.270	5.264	0.006	98	8045	0.0938	
23 1,1,2-Trichloro-1,2,2-trif	101		6.385				ND	
24 1,1-Dichloroethene	96		6.422				ND	
25 Acetone	43	6.695	6.694	0.000	84	446411	17.4	
26 Carbon disulfide	76	6.807	6.801	0.006	99	72854	1.73	
27 Isopropyl alcohol	45	7.025	7.025	0.000	96	341693	21.0	
29 3-Chloro-1-propene	41		7.244				ND	
31 Methylene Chloride	49	7.554	7.548	0.006	86	2442	0.1352	
32 2-Methyl-2-propanol	59		7.821				ND	
33 Methyl tert-butyl ether	73		7.965				ND	
34 trans-1,2-Dichloroethene	61		7.991				ND	
36 Hexane	57	8.381	8.386	-0.005	91	3732	0.2037	
37 1,1-Dichloroethane	63		8.893				ND	
39 cis-1,2-Dichloroethene	96		10.030				ND	
40 2-Butanone (MEK)	72	10.110	10.105	0.005	90	3598	0.5131	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
* 43 Chlorobromomethane	128	10.505	10.505	0.000	69	191731	10.0	
44 Tetrahydrofuran	42	10.532	10.516	0.016	80	5277	0.4095	
45 Chloroform	83		10.649				ND	
46 Cyclohexane	84	10.863	10.868	-0.005	11	2119	0.0975	M
47 1,1,1-Trichloroethane	97		10.905				ND	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	48 Carbon tetrachloride	117	11.161	11.156	0.005	29	1879	0.0230	
	51 Isooctane	57	11.599	11.599	0.000	82	4555	0.0749	
	50 Benzene	78	11.642	11.636	0.006	93	4959	0.1074	
	52 1,2-Dichloroethane	62		11.839				ND	
	53 n-Heptane	43		12.010				ND	
*	54 1,4-Difluorobenzene	114	12.512	12.512	0.000	94	848406	10.0	
	56 Trichloroethene	95		12.976				ND	
	58 1,2-Dichloropropane	63		13.547				ND	
	59 Methyl methacrylate	69		13.739				ND	
	60 1,4-Dioxane	88		13.798				ND	
	62 Dichlorobromomethane	83		14.123				ND	
	64 cis-1,3-Dichloropropene	75		15.068				ND	
	65 4-Methyl-2-pentanone (MIBK	43	15.388	15.372	0.016	1	2089	0.0626	
	66 Toluene	92	15.655	15.655	0.000	92	215445	6.67	
	70 trans-1,3-Dichloropropene	75		16.274				ND	
	71 1,1,2-Trichloroethane	83		16.648				ND	
	72 Tetrachloroethene	166		16.733				ND	
	73 2-Hexanone	43		17.107				ND	
	74 Chlorodibromomethane	129		17.406				ND	
	75 Ethylene Dibromide	107		17.667				ND	
*	76 Chlorobenzene-d5	117	18.564	18.569	-0.005	90	768420	10.0	
	77 Chlorobenzene	112	18.633	18.628	0.005	1	4757	0.0930	
	78 Ethylbenzene	91	18.783	18.777	0.006	65	21608	0.2567	M
	81 m-Xylene & p-Xylene	106	19.023	19.028	-0.005	0	31420	0.9527	
	83 o-Xylene	106	19.861	19.866	-0.005	92	7270	0.2312	
	84 Styrene	104		19.919				ND	
S	82 Xylenes, Total	106				0		1.18	
	85 Bromoform	173		20.341				ND	
	86 Isopropylbenzene	105	20.544	20.544	0.000	1	1785	0.0172	
	88 1,1,2,2-Tetrachloroethane	83		21.200				ND	
	90 N-Propylbenzene	91		21.259				ND	
	91 4-Ethyltoluene	105	21.446	21.451	-0.005	96	4727	0.0420	
	92 2-Chlorotoluene	91		21.456				ND	
	94 1,3,5-Trimethylbenzene	105	21.552	21.558	-0.006	87	3896	0.0416	
	96 tert-Butylbenzene	119		22.038				ND	
	97 1,2,4-Trimethylbenzene	105	22.134	22.134	0.000	98	13022	0.1378	
	98 sec-Butylbenzene	105		22.364				ND	
	99 4-Isopropyltoluene	119		22.566				ND	
	100 1,3-Dichlorobenzene	146		22.593				ND	
	101 1,4-Dichlorobenzene	146		22.727				ND	
	102 Benzyl chloride	91		22.929				ND	
	103 n-Butylbenzene	91		23.132				ND	
	105 1,2-Dichlorobenzene	146		23.260				ND	
	107 1,2,4-Trichlorobenzene	180		25.737				ND	
	108 Hexachlorobutadiene	225		25.923				ND	
	109 Naphthalene	128		26.222				ND	
$	87 4-Bromofluorobenzene	95	20.912	20.912	0.000	92	605217	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

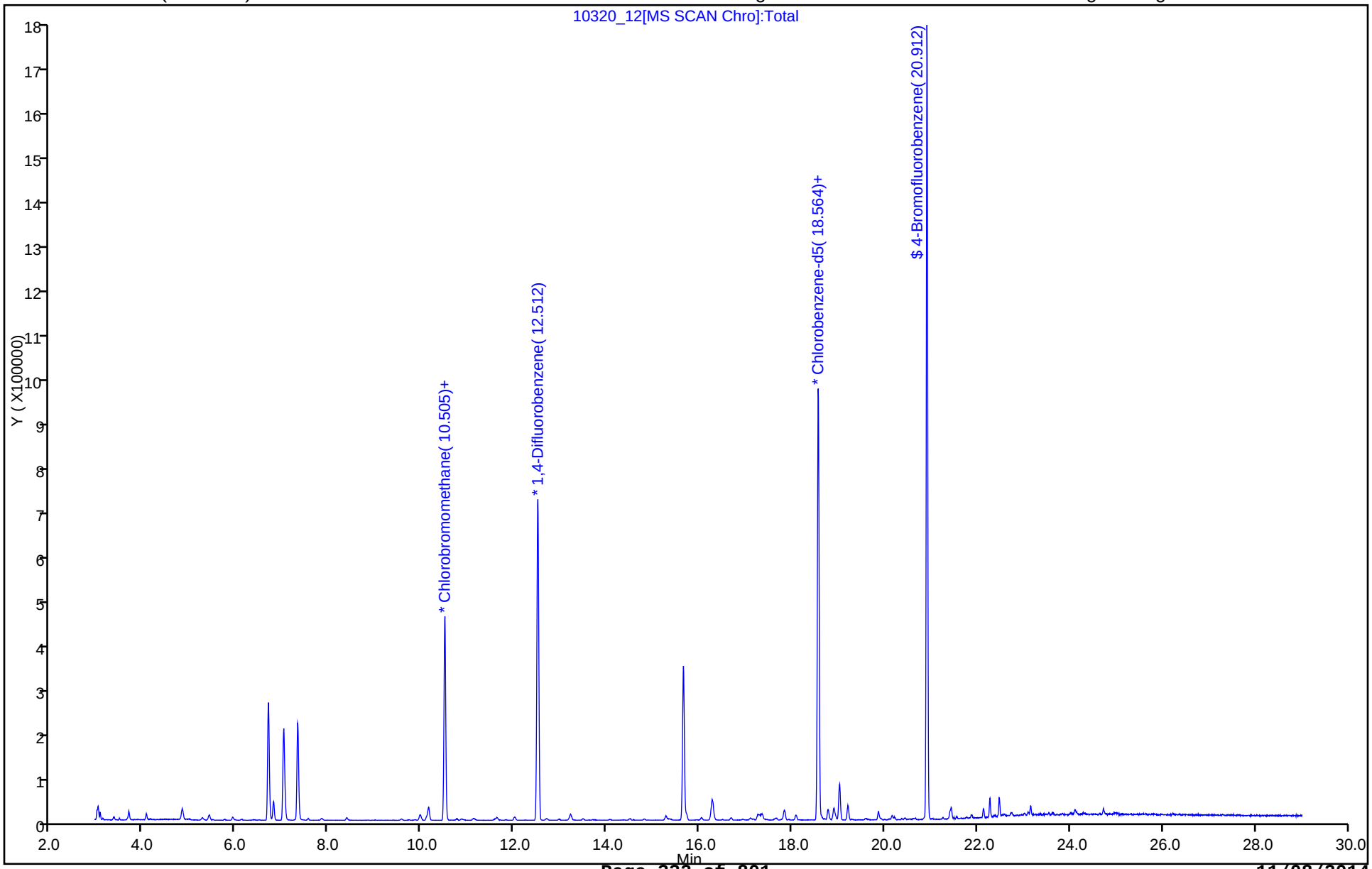
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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141103-10320.b\10320_12.D

Injection Date:	03-Nov-2014 18:35:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	280-61460-A-5	Lab Sample ID:	200-61460-5	Worklist Smp#:	12
Client ID:	101IA0305EA				
Purge Vol:	200.000 mL	Dil. Factor:	2.5000	ALS Bottle#:	12
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

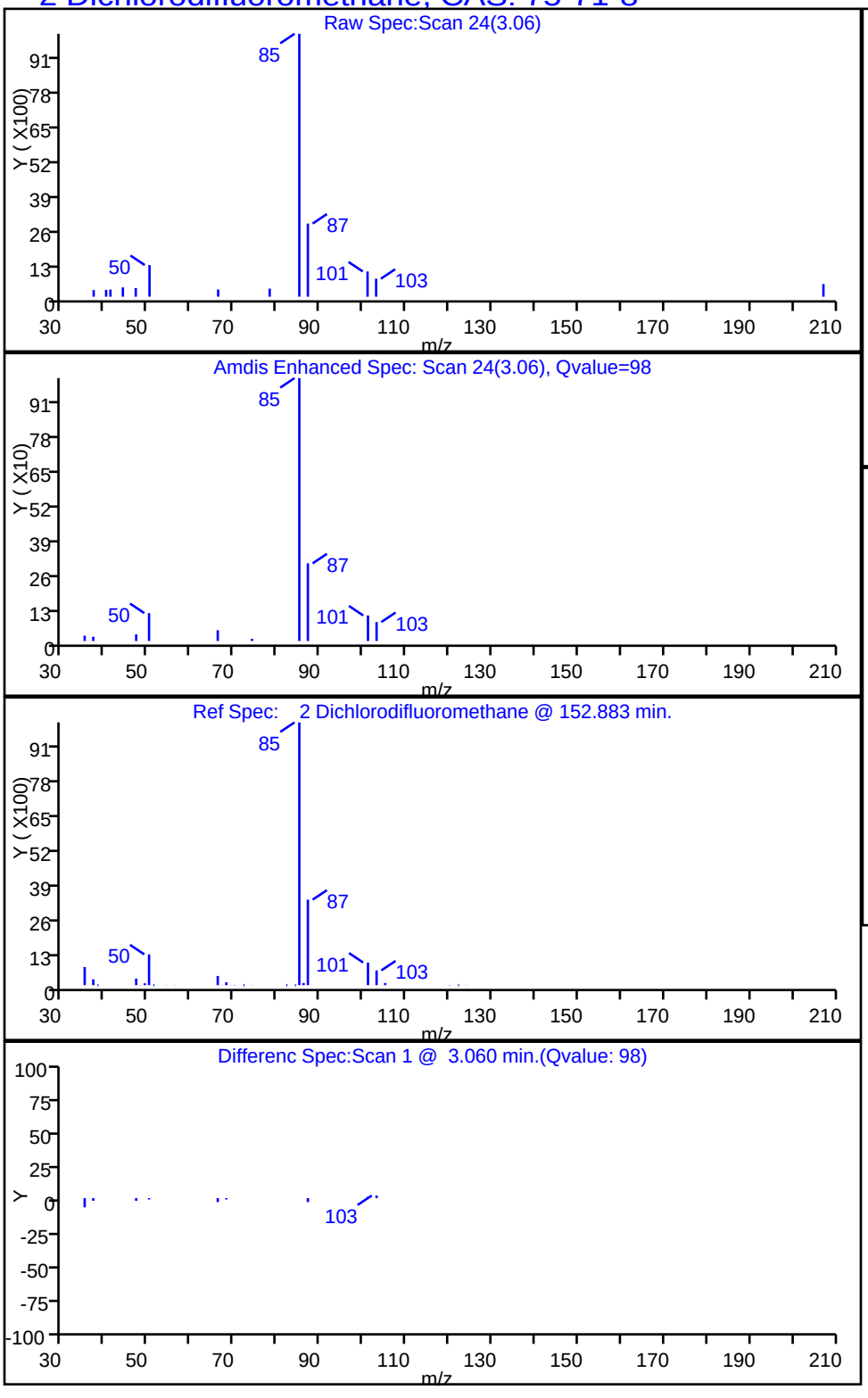


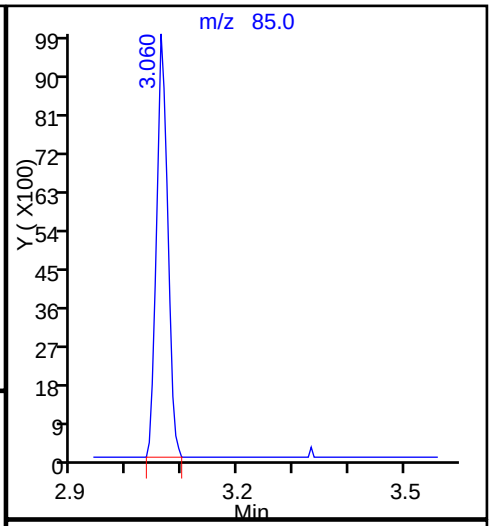
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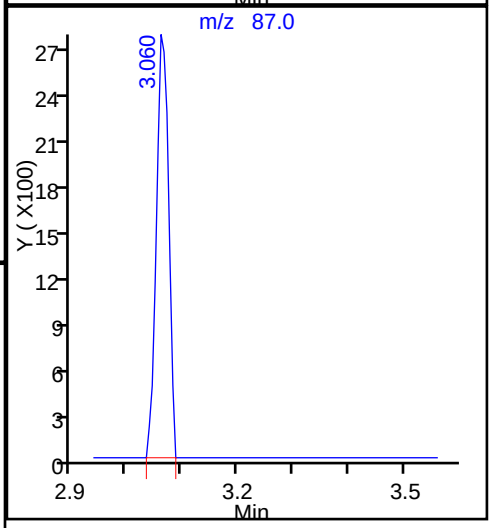
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Injection Date:	03-Nov-2014 18:35:30	Instrument ID:	CHC.i		
Lims ID:	280-61460-A-5	Lab Sample ID:	200-61460-5		
Client ID:	101IA0305EA				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

2 Dichlorodifluoromethane, CAS: 75-71-8



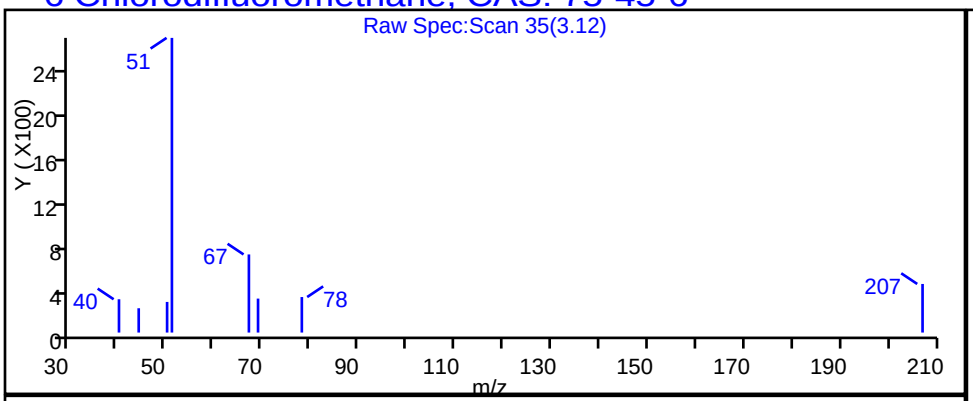


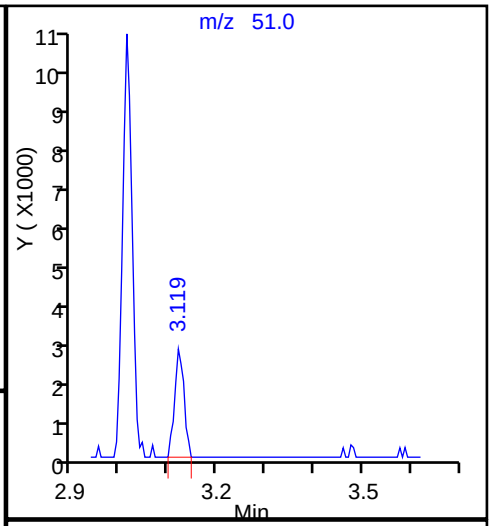


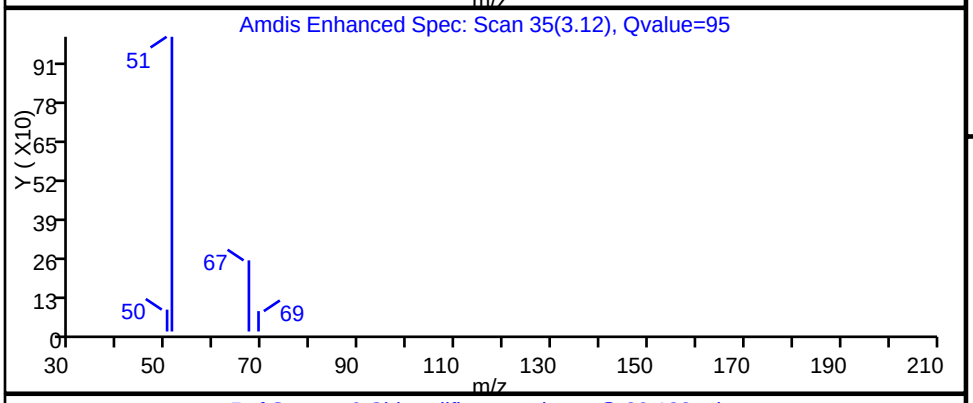
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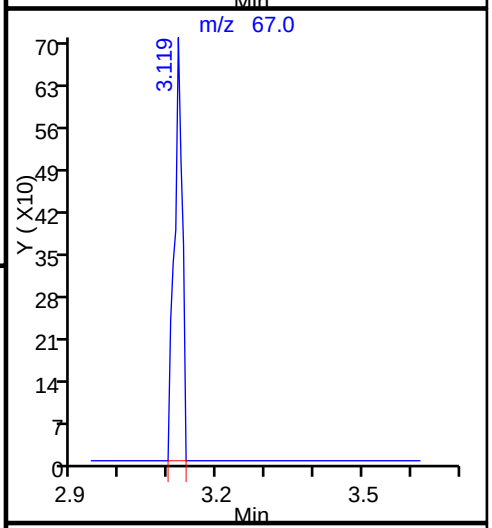
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Lims ID:	280-61460-A-5	Lab Sample ID:	200-61460-5		
Client ID:	101IA0305EA				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

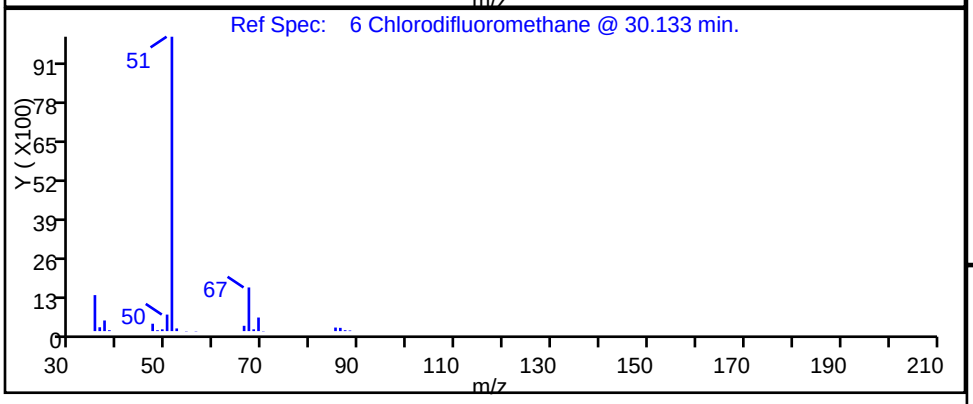
6 Chlorodifluoromethane, CAS: 75-45-6

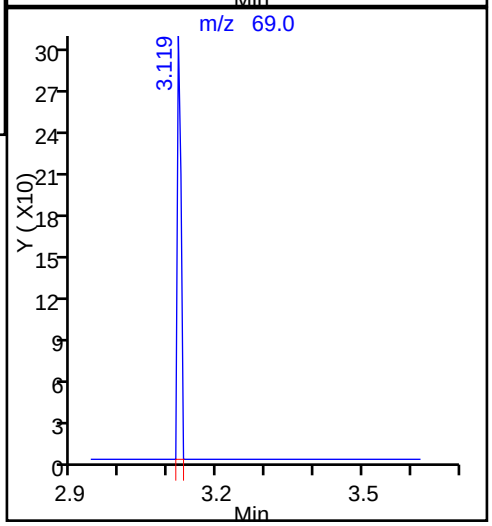












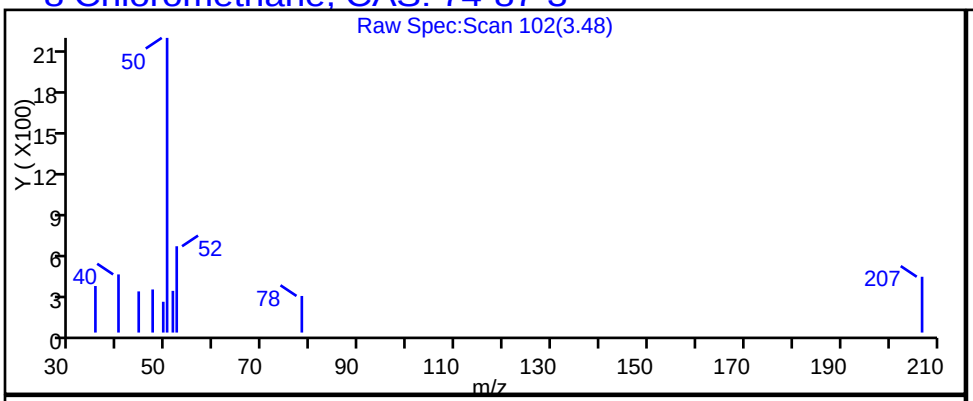
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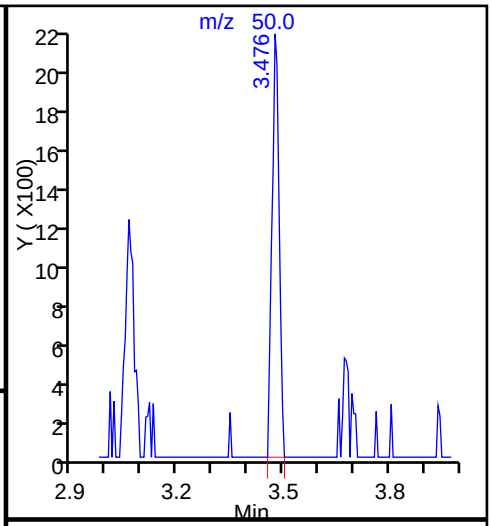
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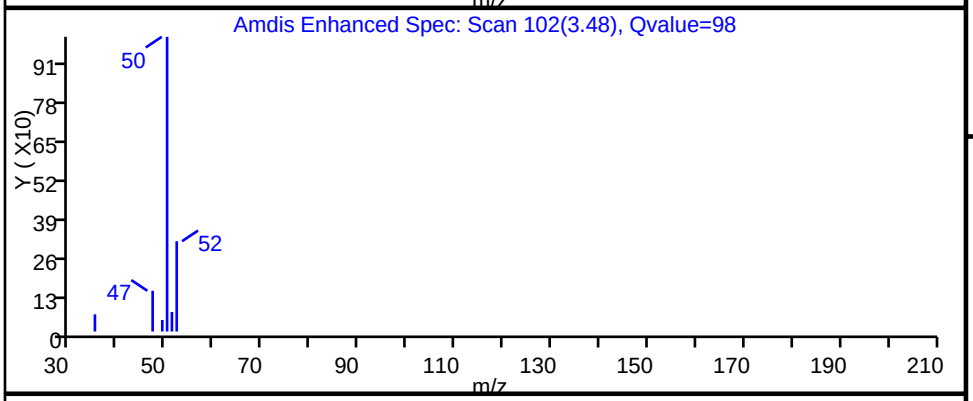
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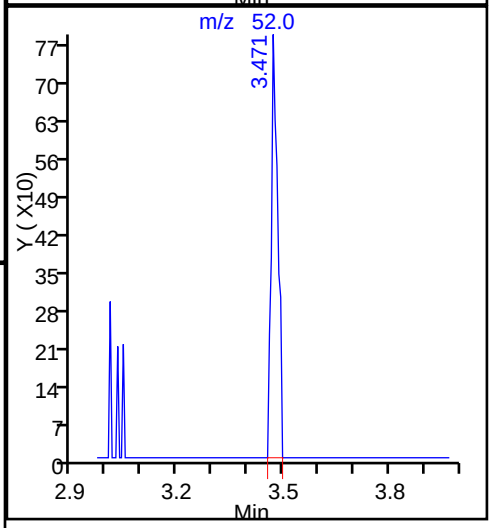
Injection Date:	03-Nov-2014 18:35:30	Instrument ID:	CHC.i		
Lims ID:	280-61460-A-5	Lab Sample ID:	200-61460-5		
Client ID:	101IA0305EA				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

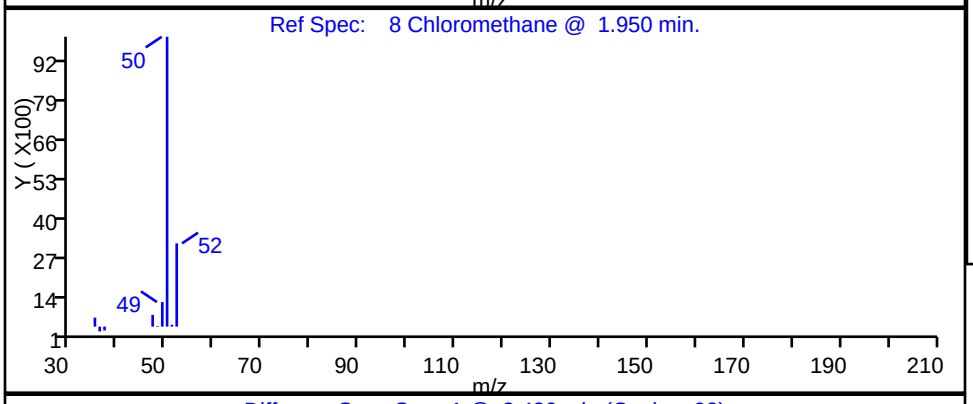
8 Chloromethane, CAS: 74-87-3

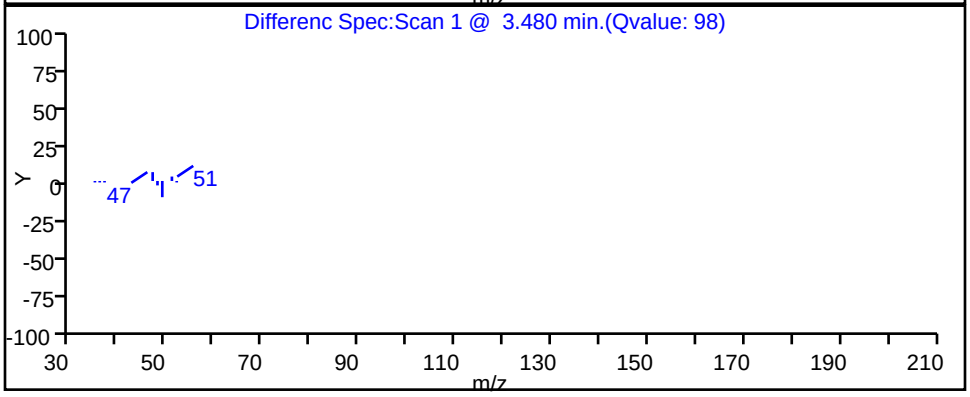








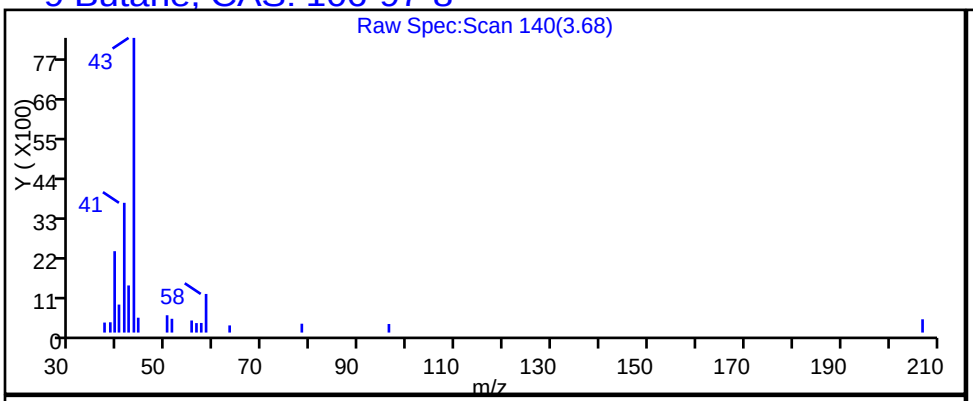


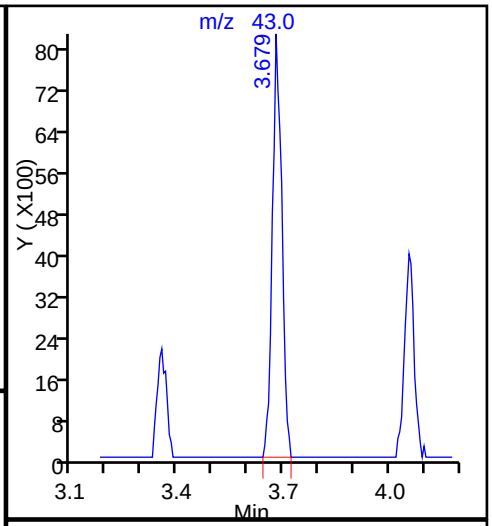


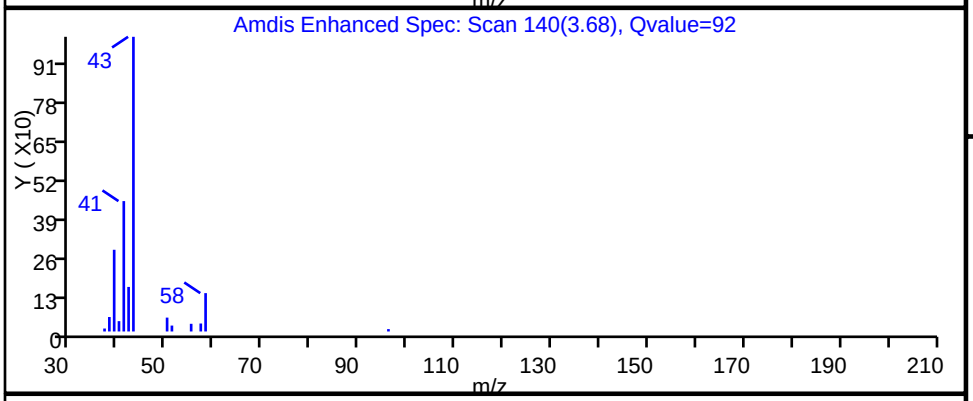
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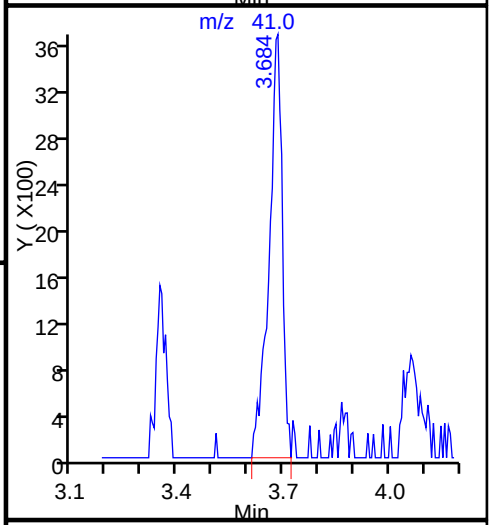
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Injection Date:	03-Nov-2014 18:35:30	Instrument ID:	CHC.i		
Lims ID:	280-61460-A-5	Lab Sample ID:	200-61460-5		
Client ID:	101IA0305EA				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

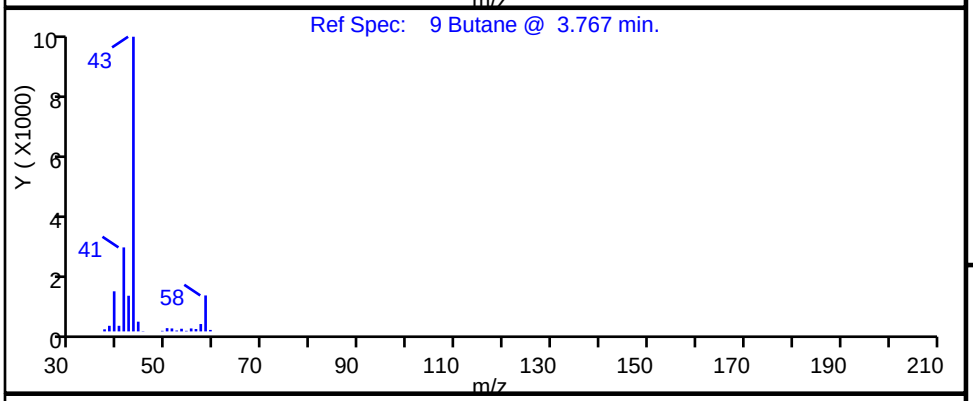
9 Butane, CAS: 106-97-8

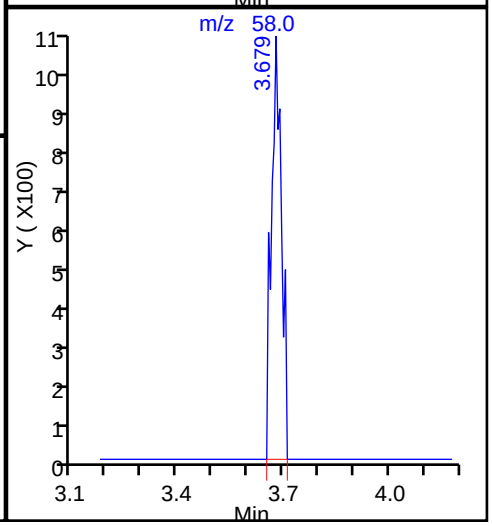


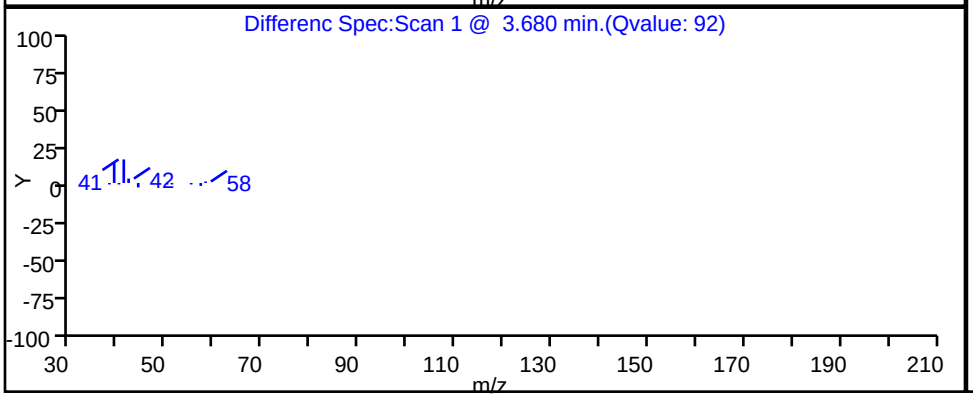








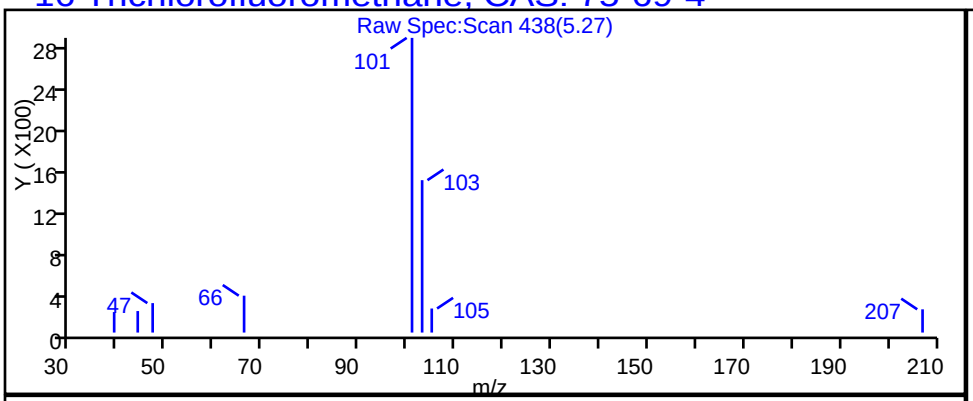


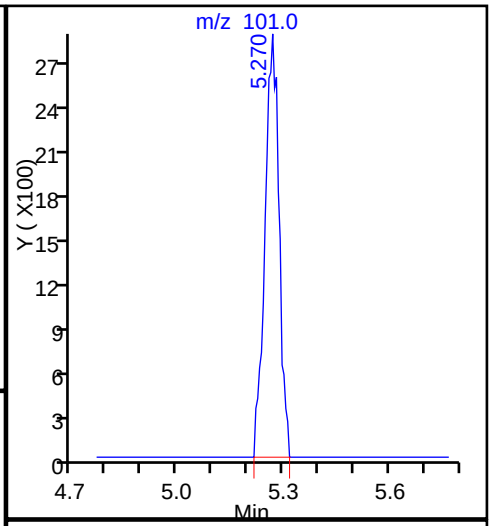


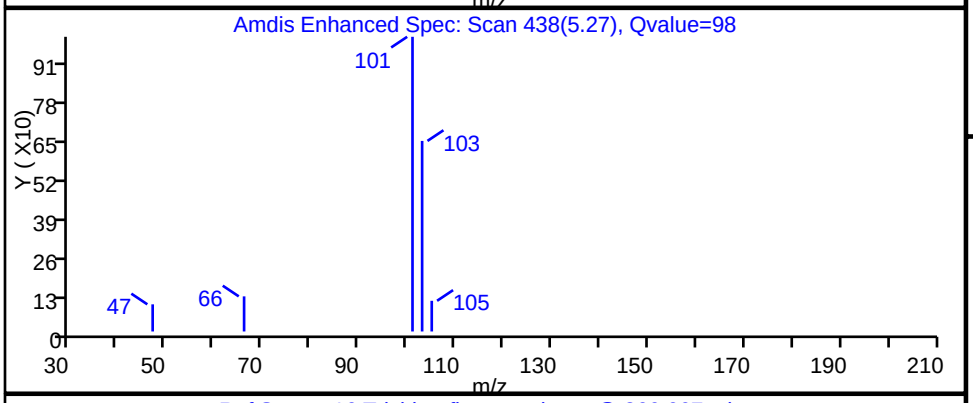
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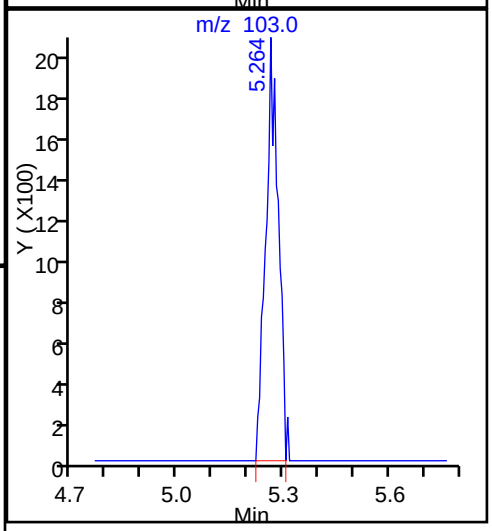
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Lims ID:	280-61460-A-5	Lab Sample ID:	200-61460-5		
Client ID:	101IA0305EA				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

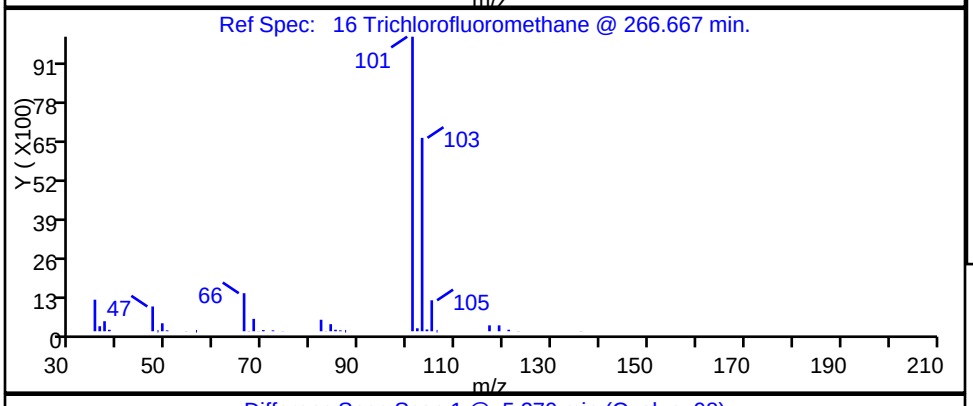
16 Trichlorofluoromethane, CAS: 75-69-4

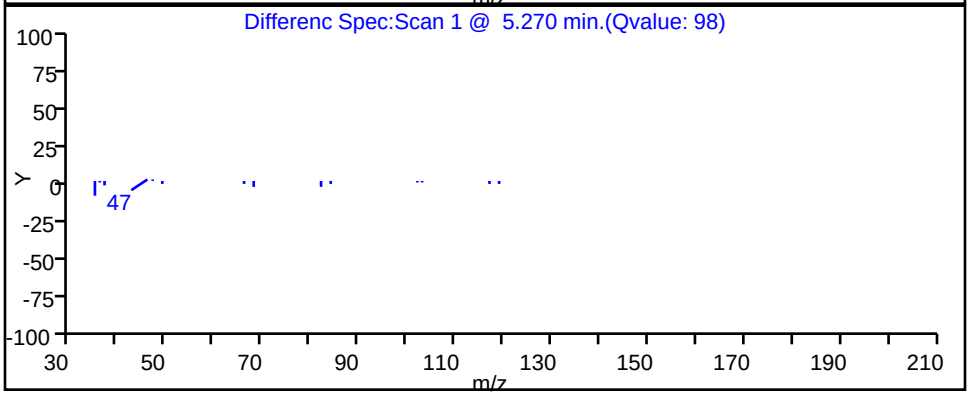








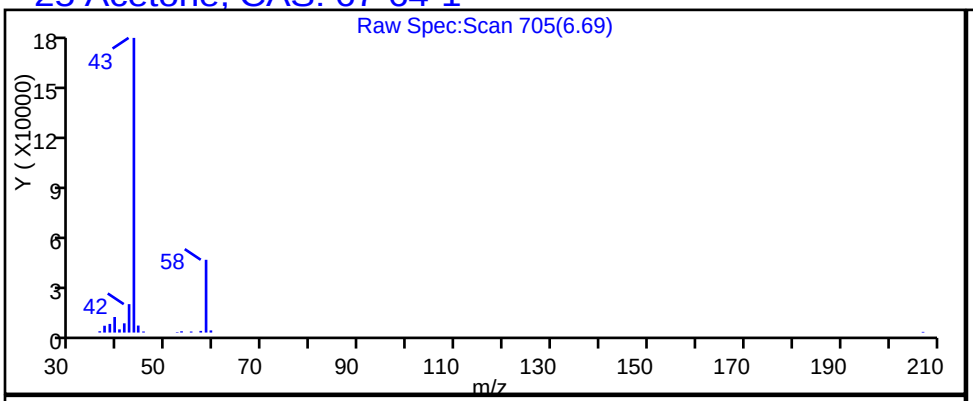


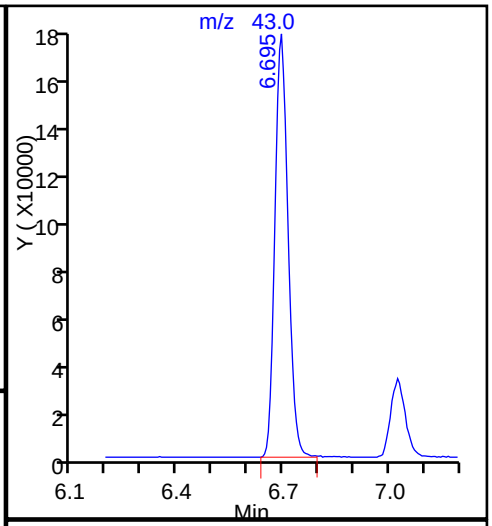


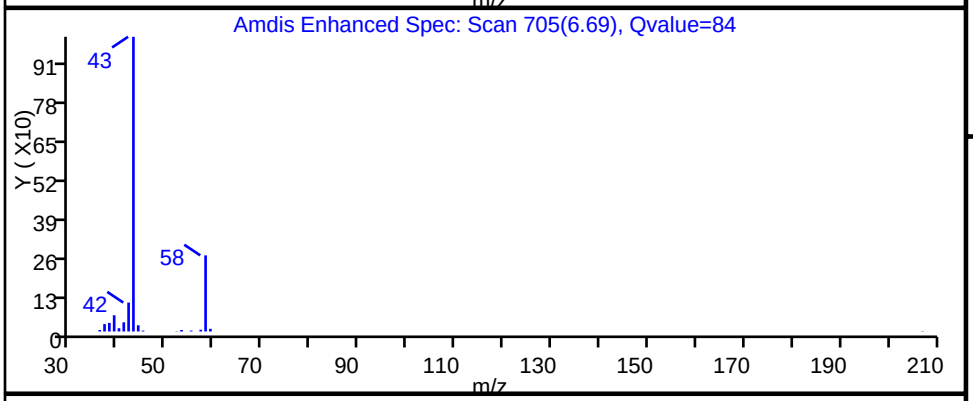
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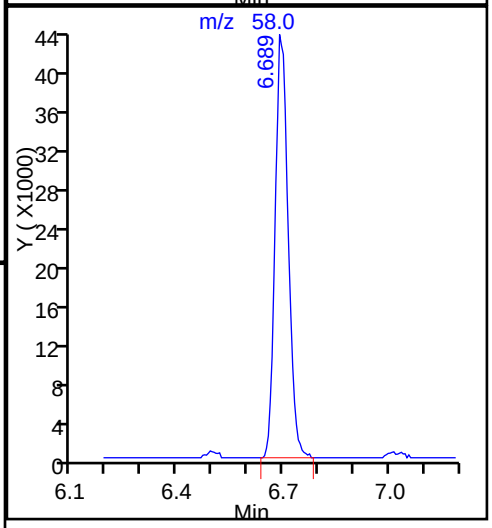
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Injection Date:	03-Nov-2014 18:35:30	Instrument ID:	CHC.i		
Lims ID:	280-61460-A-5	Lab Sample ID:	200-61460-5		
Client ID:	101IA0305EA				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

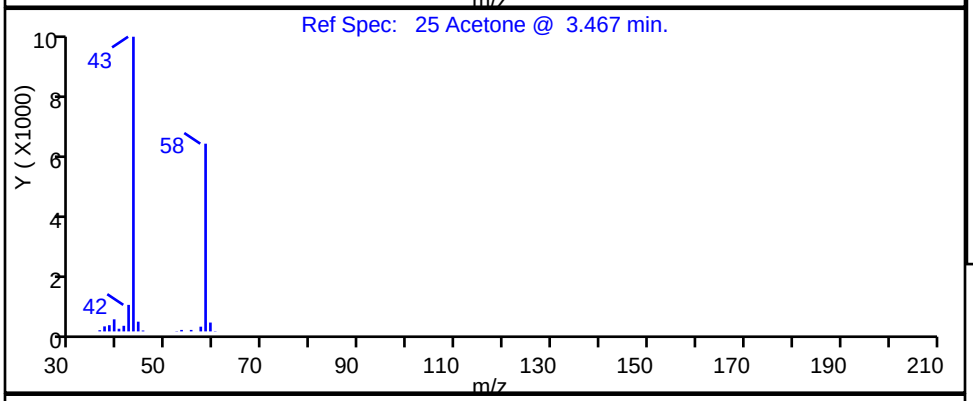
25 Acetone, CAS: 67-64-1

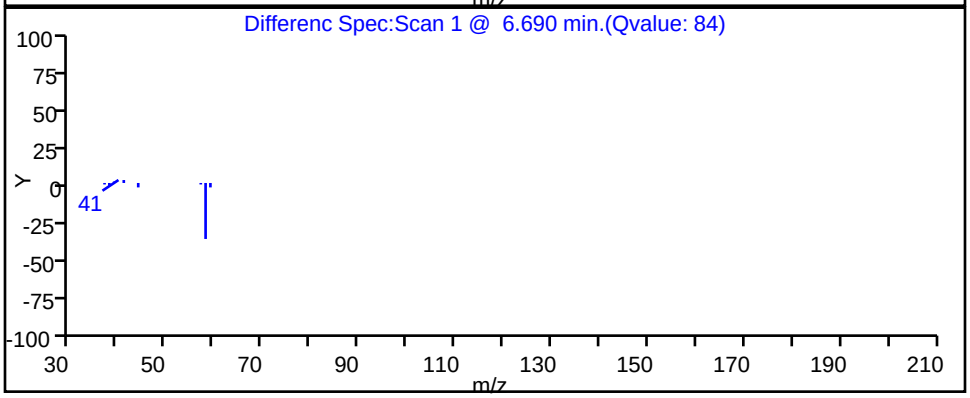












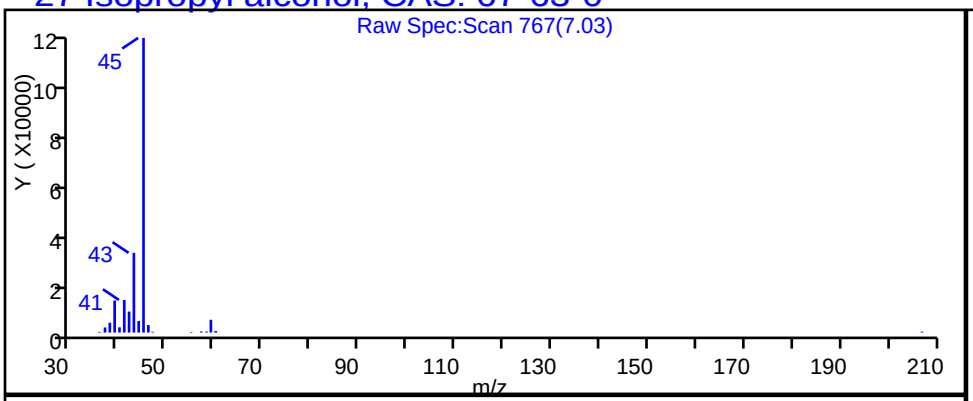
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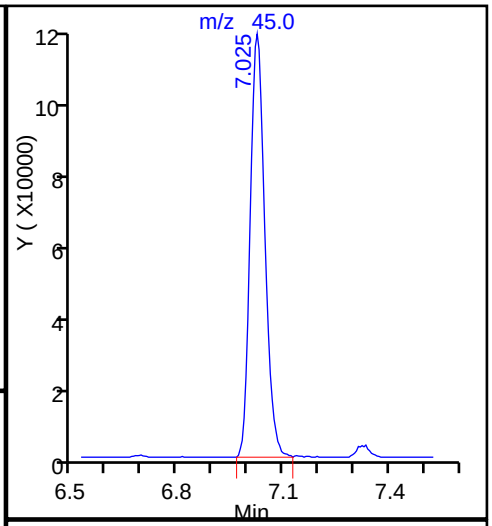
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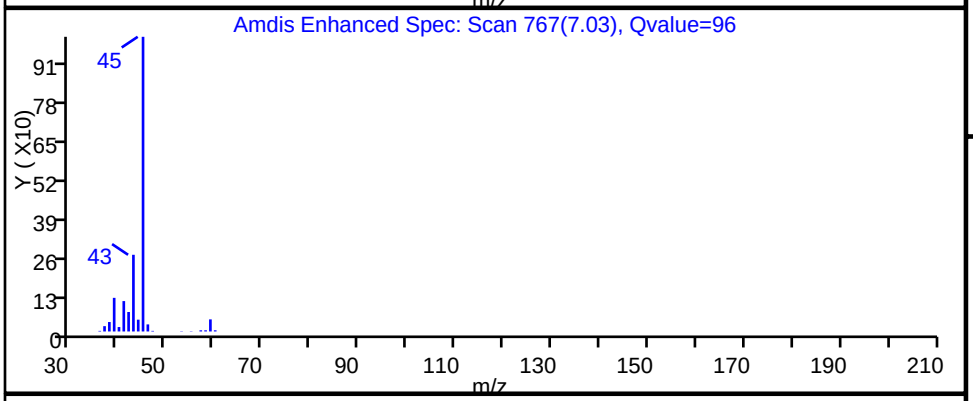
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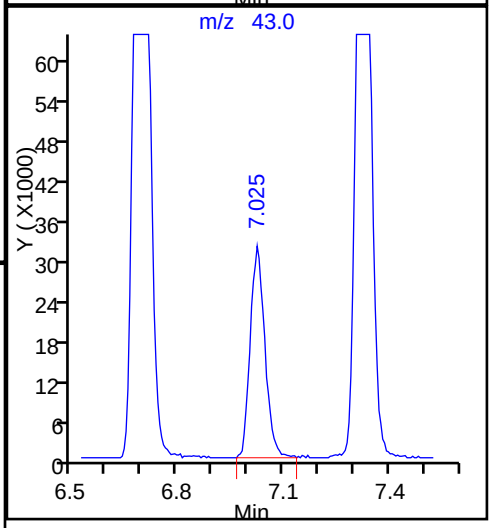
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Lims ID:	280-61460-A-5	Lab Sample ID:	200-61460-5		
Client ID:	101IA0305EA				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

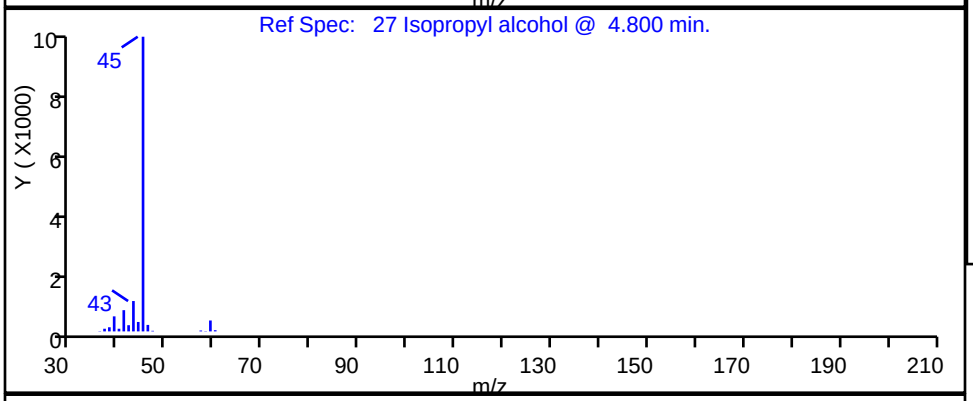
27 Isopropyl alcohol, CAS: 67-63-0

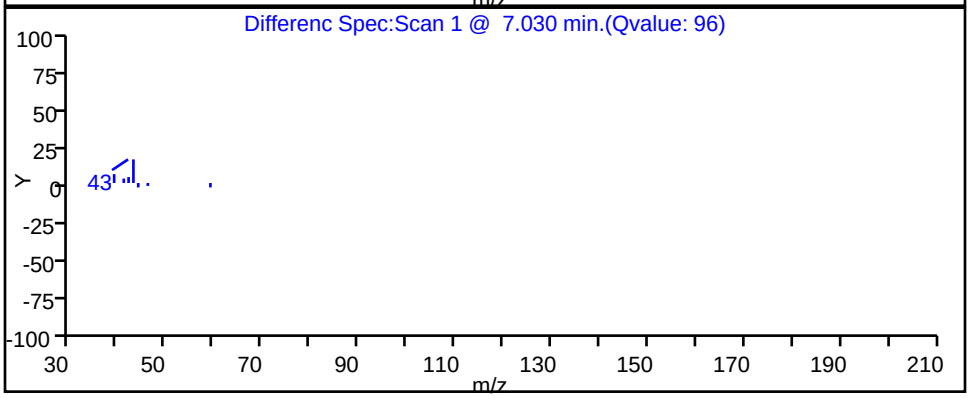










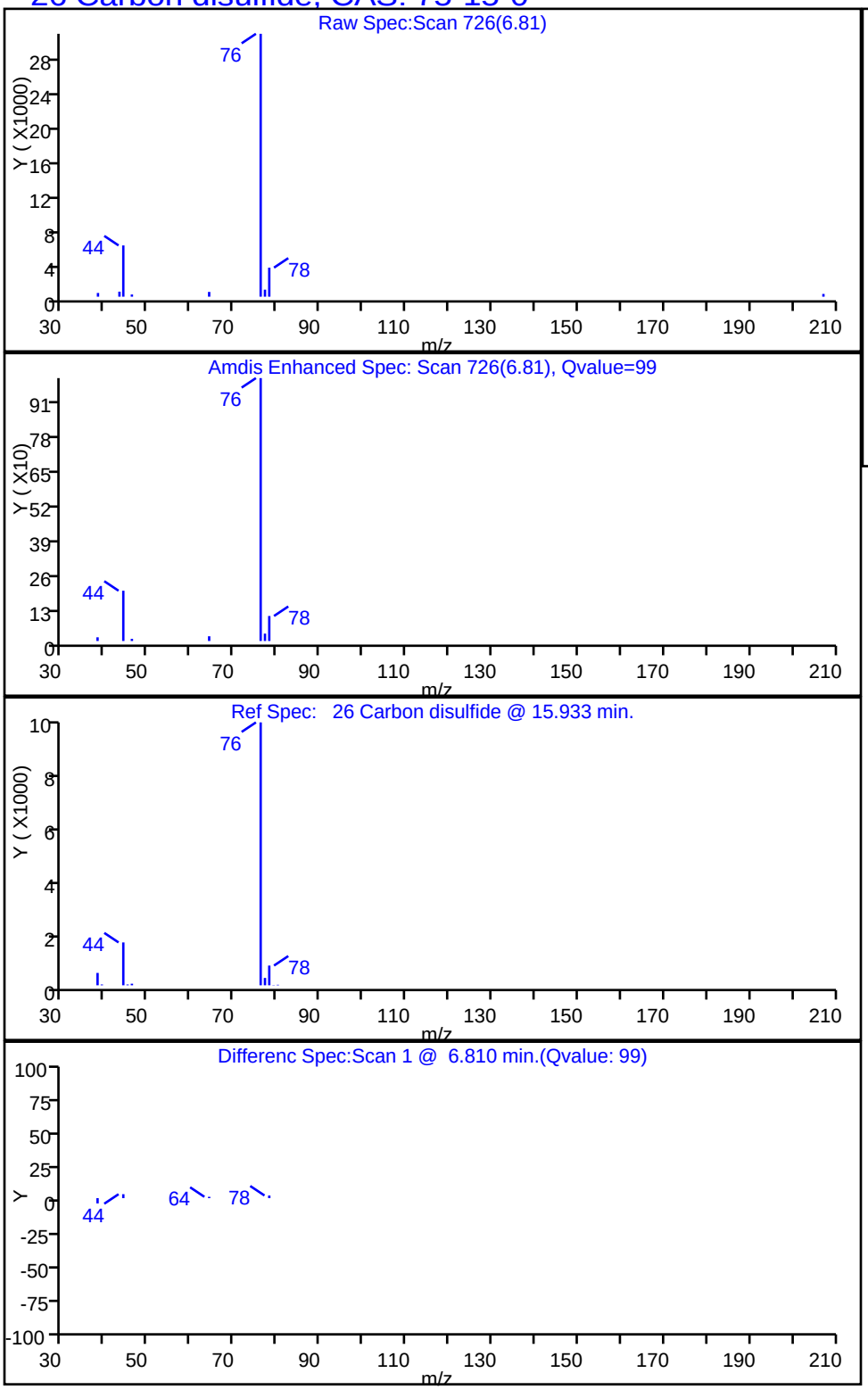


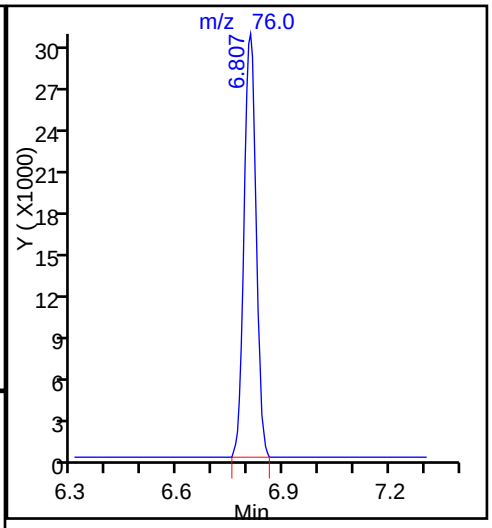
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TestAmerica Burlington

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Client ID:	101IA0305EA				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

26 Carbon disulfide, CAS: 75-15-0





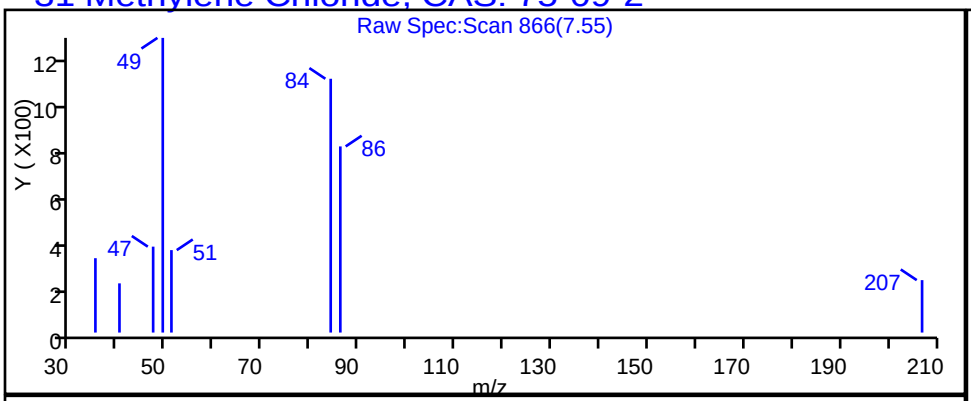
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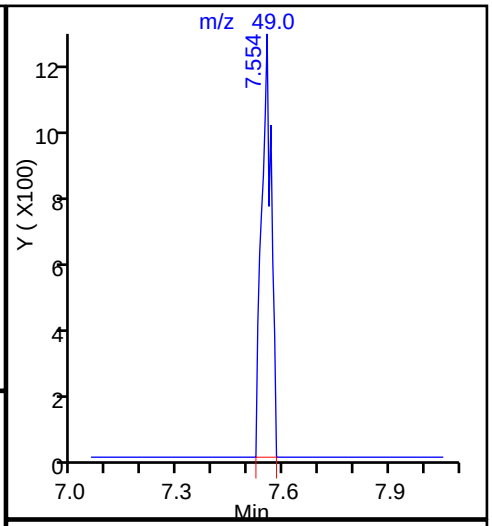
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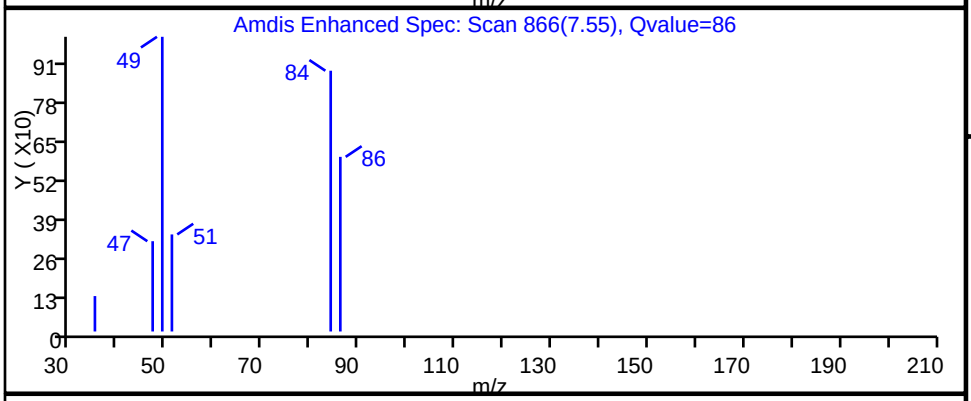
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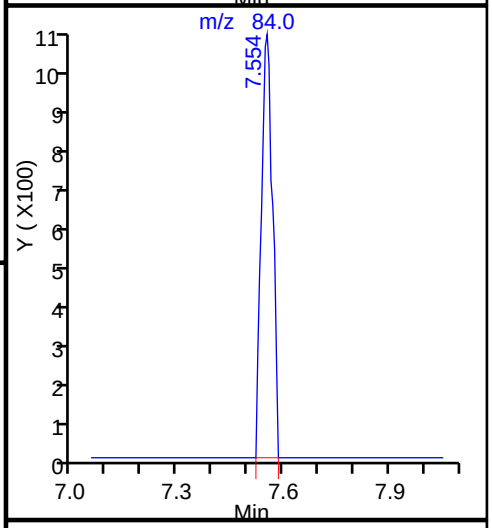
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Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

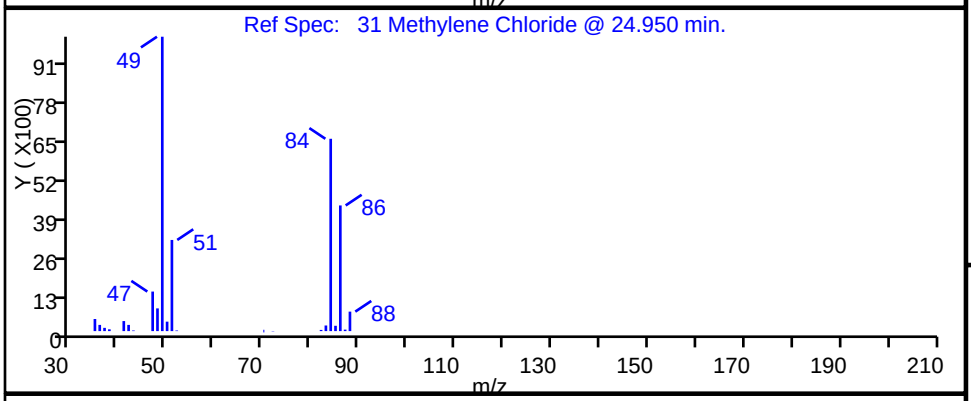
31 Methylene Chloride, CAS: 75-09-2

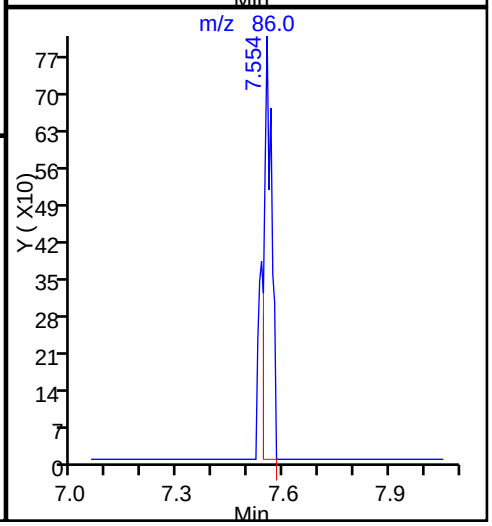


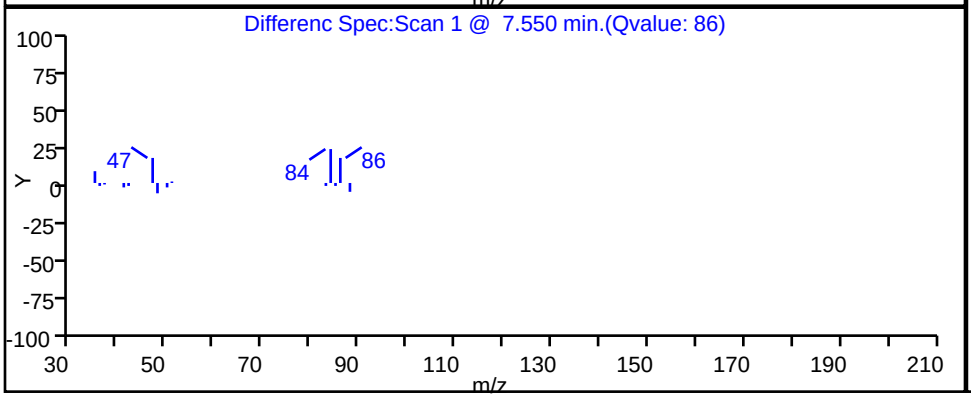












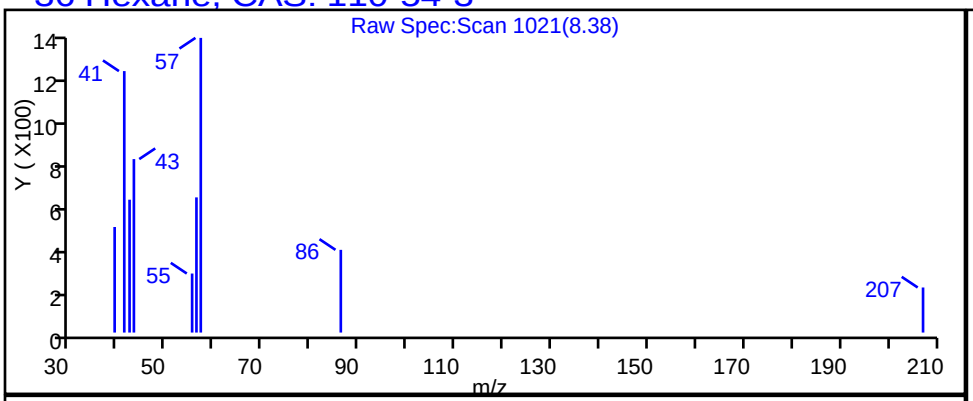
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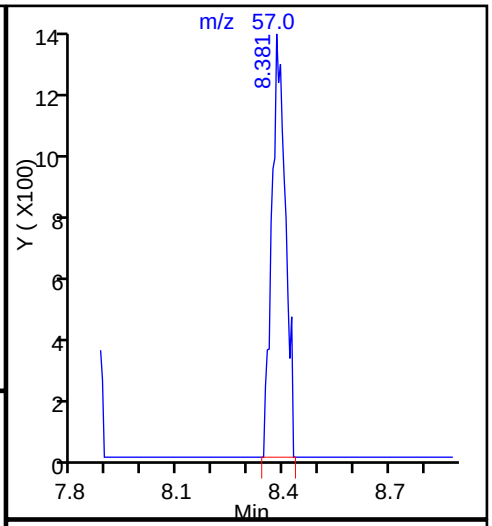
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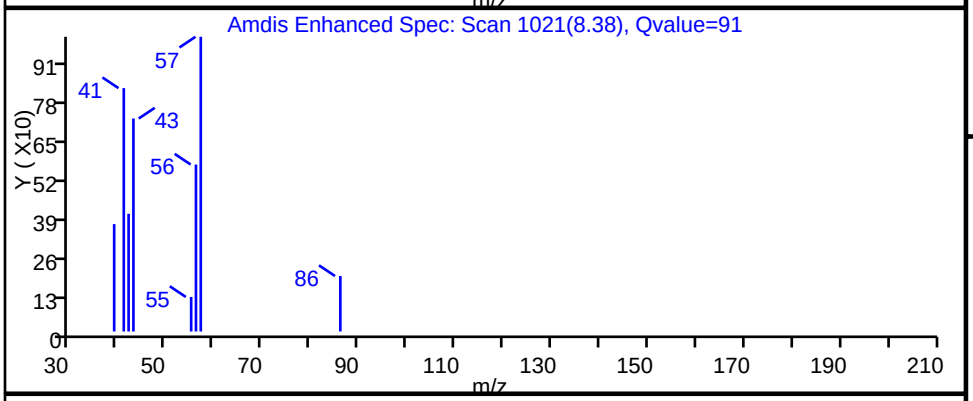
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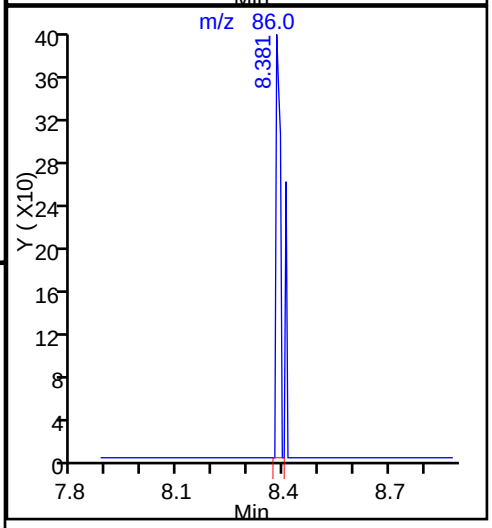
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Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
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Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

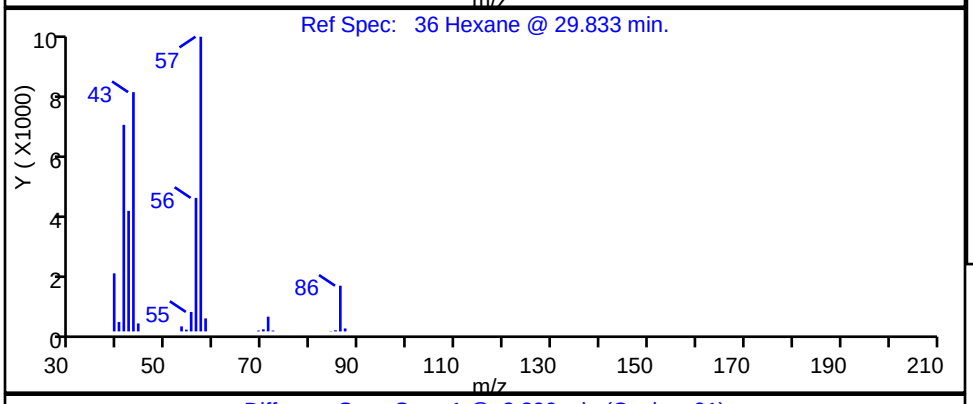
36 Hexane, CAS: 110-54-3

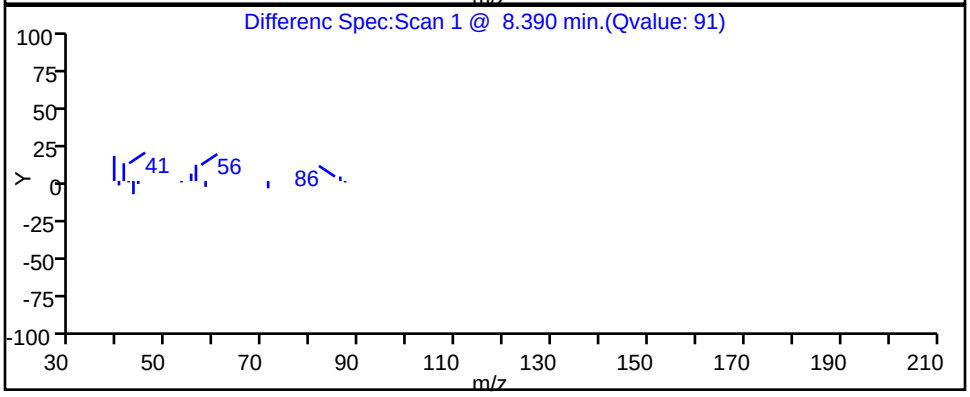












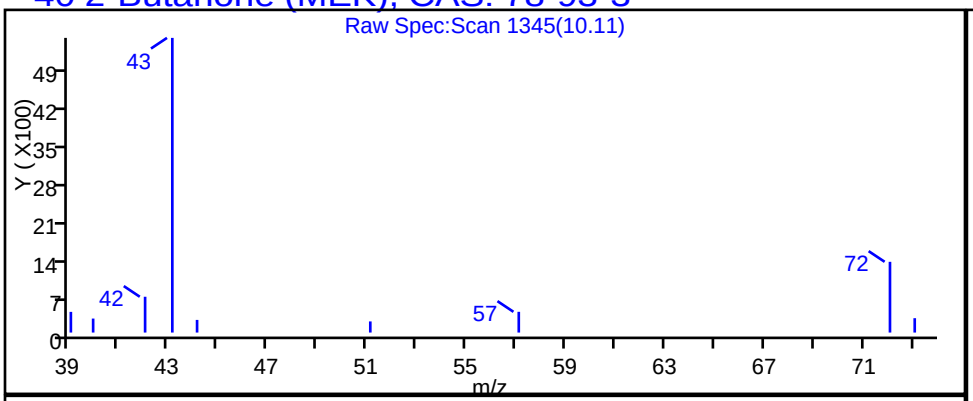
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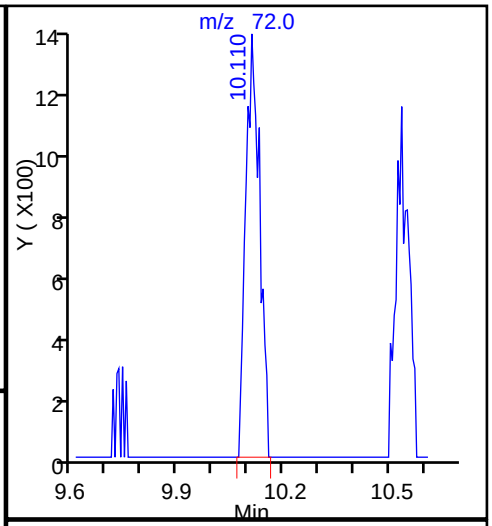
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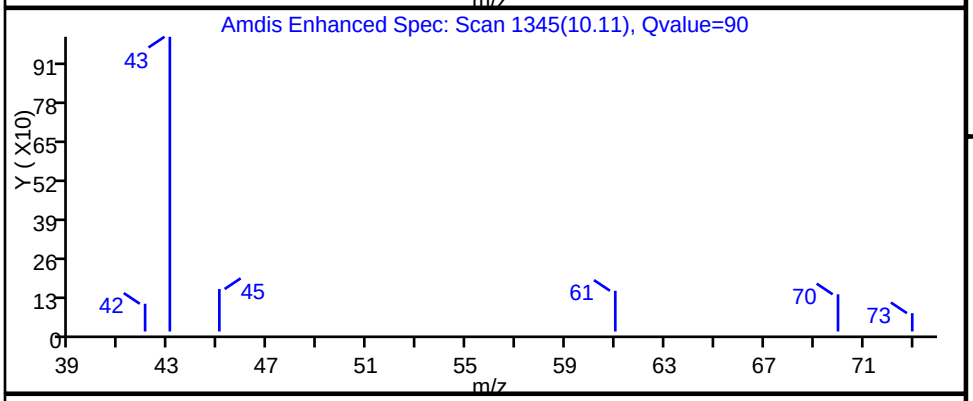
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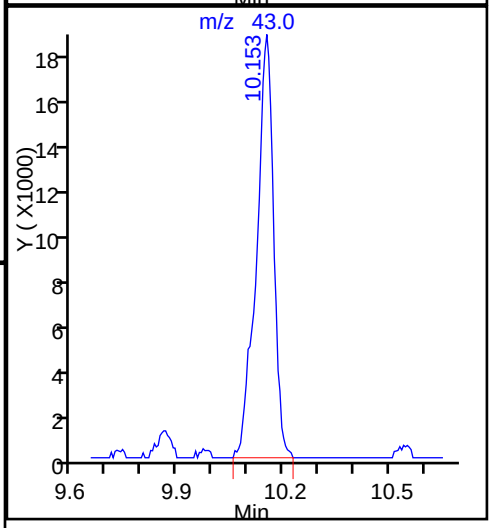
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Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

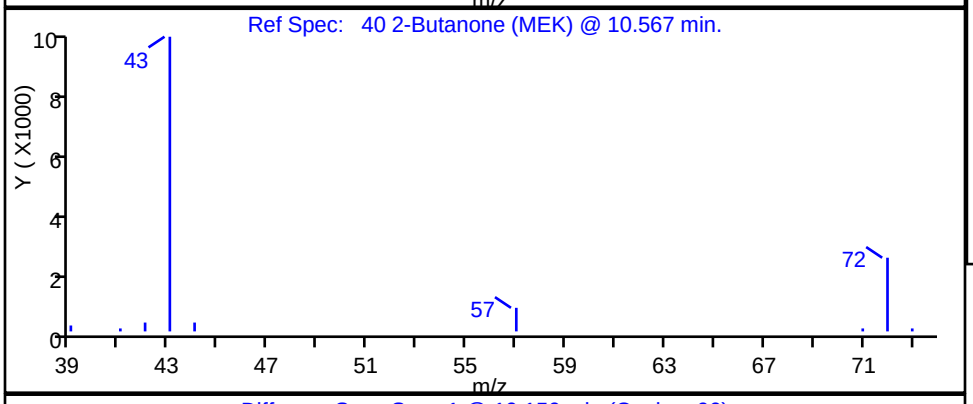
40 2-Butanone (MEK), CAS: 78-93-3

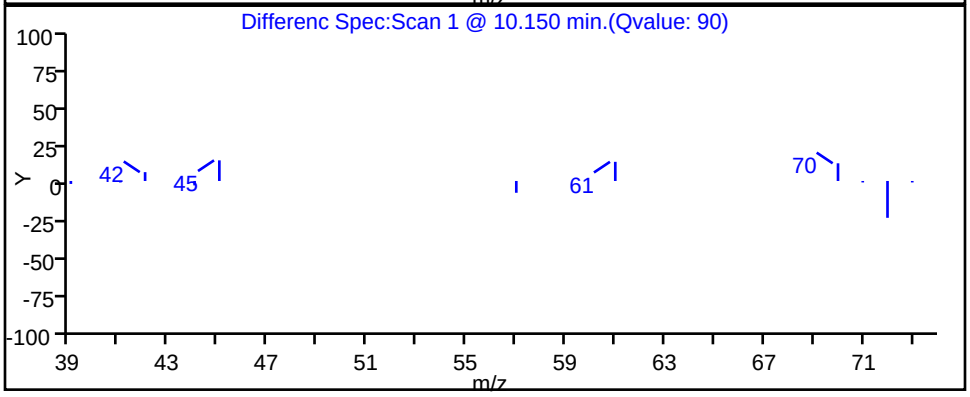










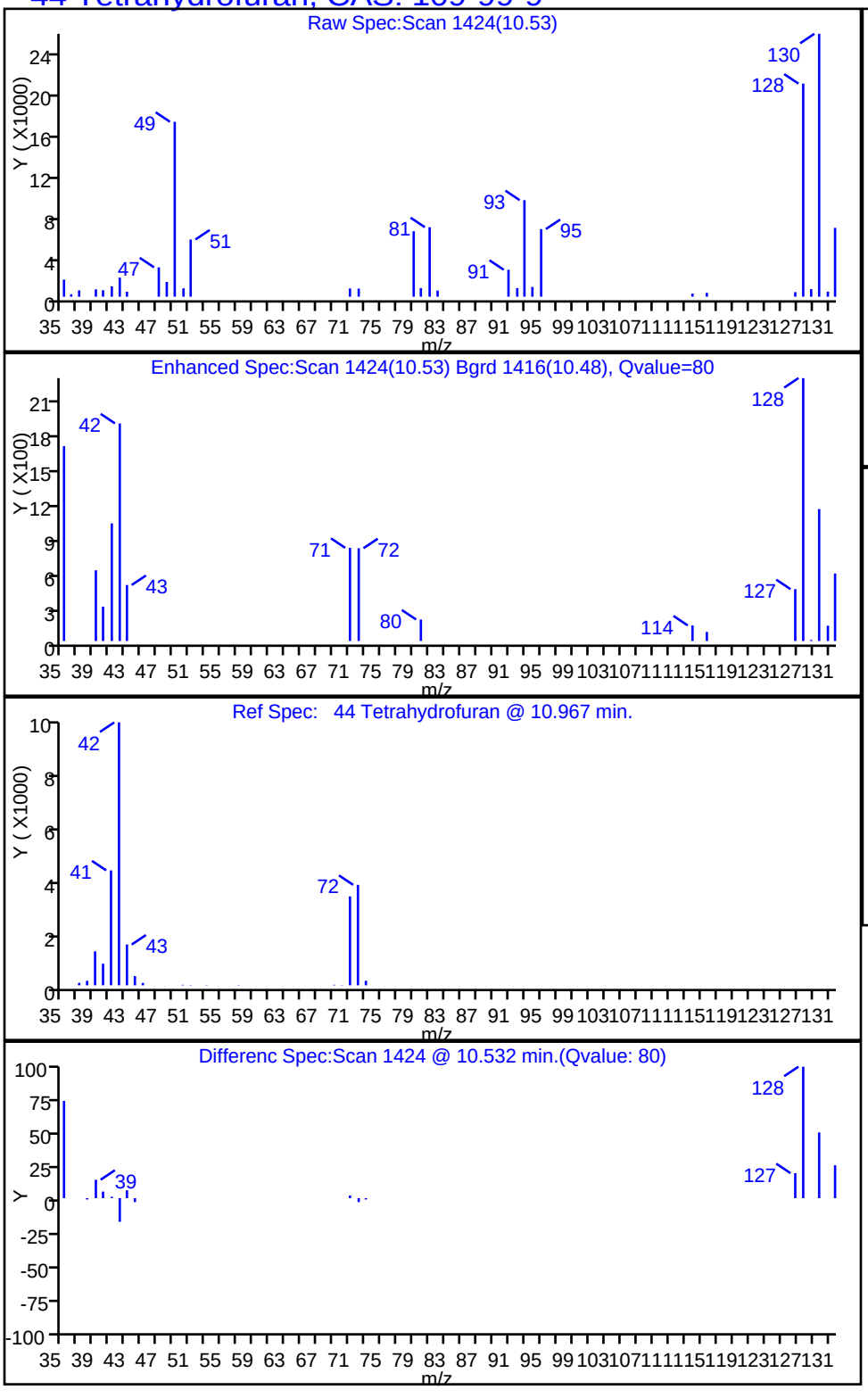


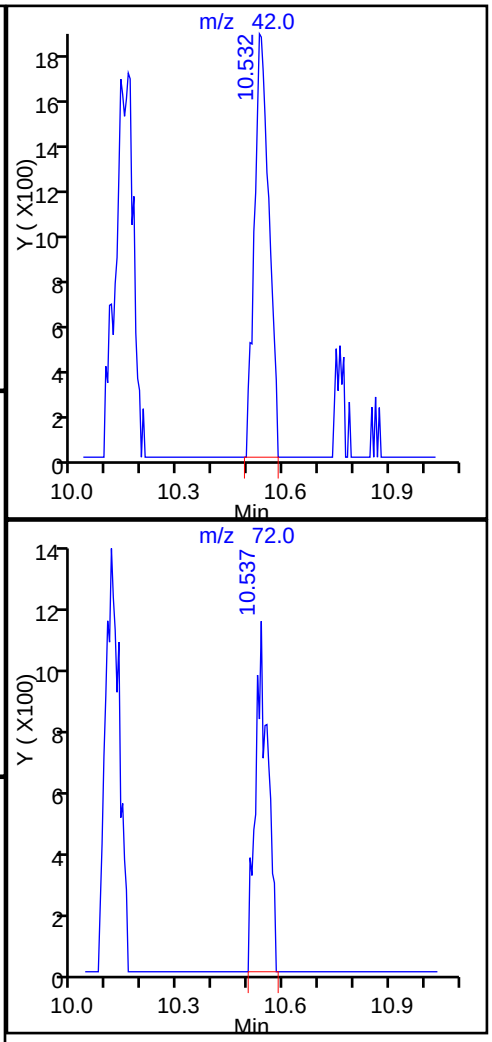
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Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

44 Tetrahydrofuran, CAS: 109-99-9

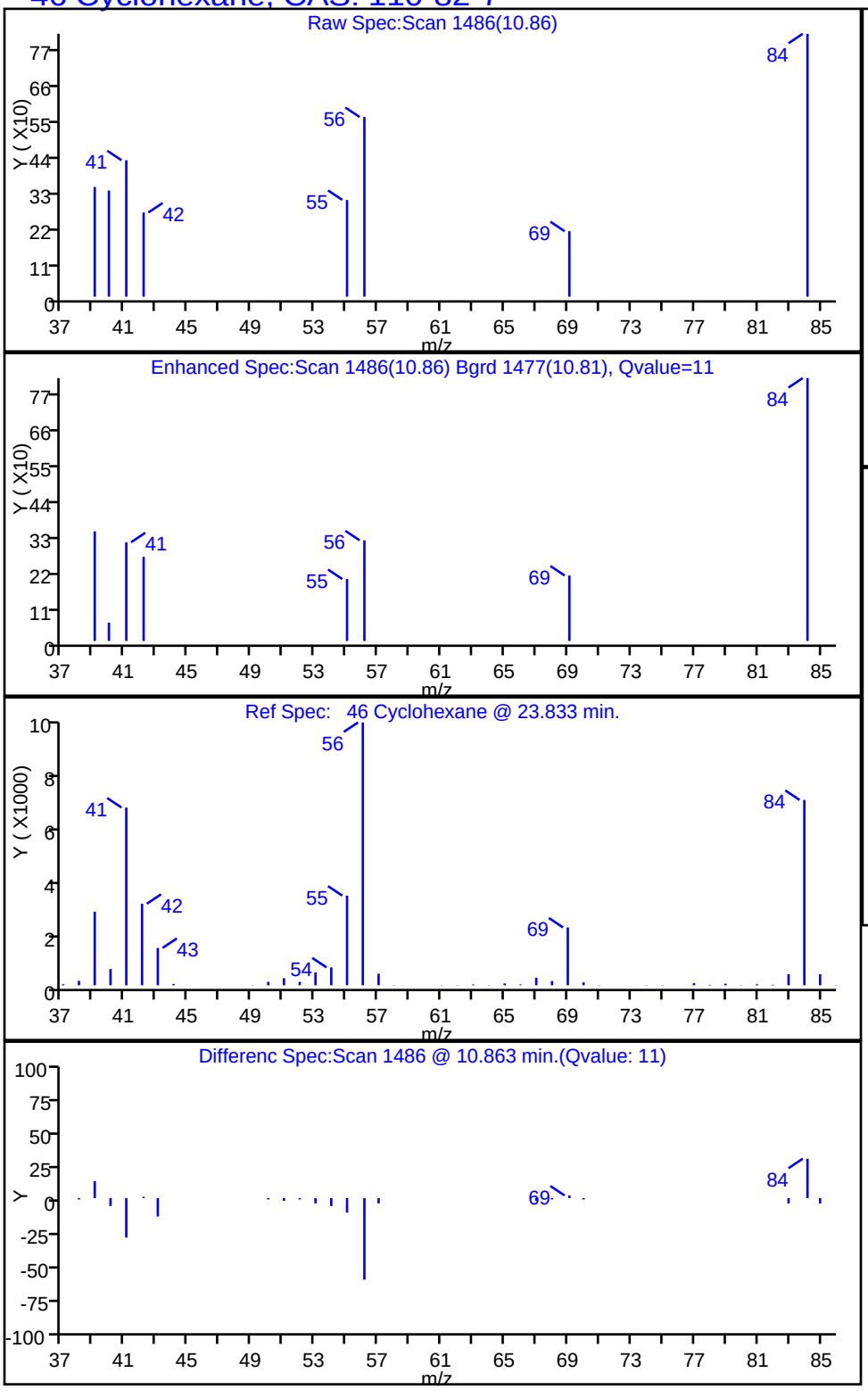


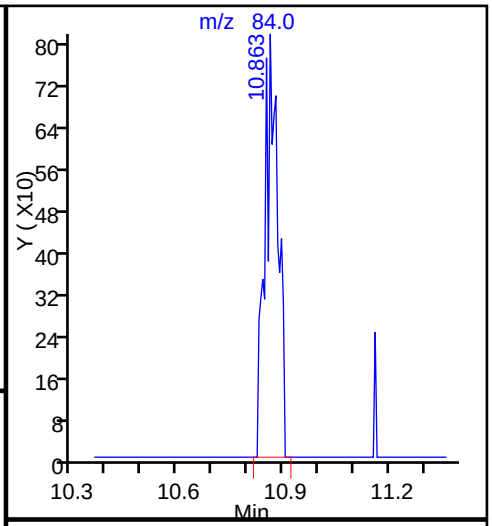


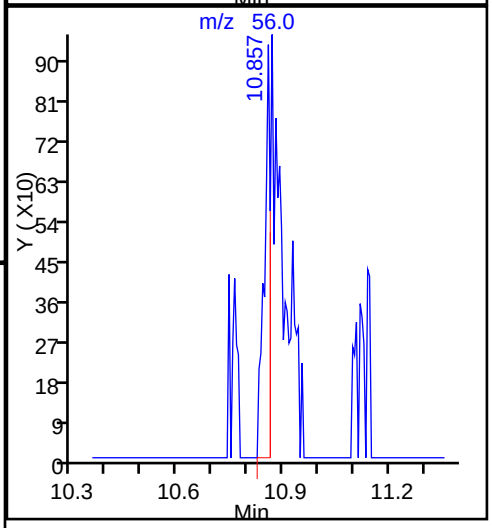
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Client ID:	101IA0305EA				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7



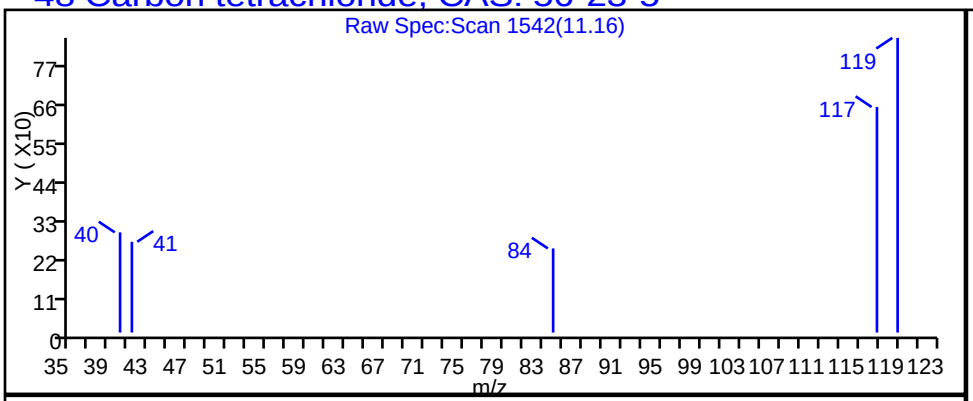


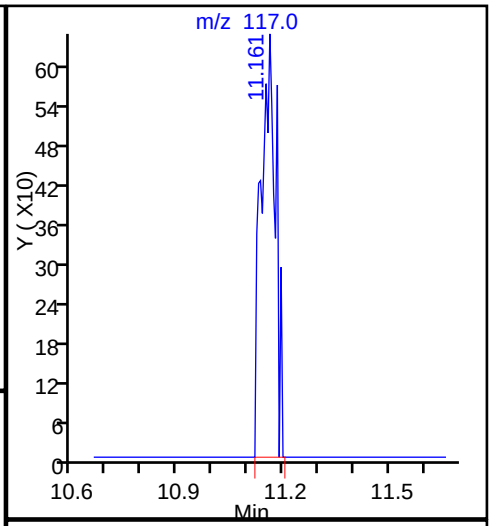


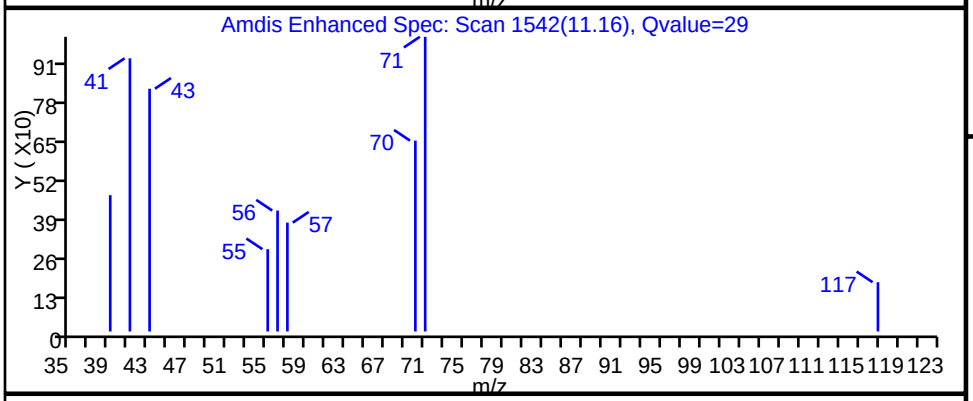
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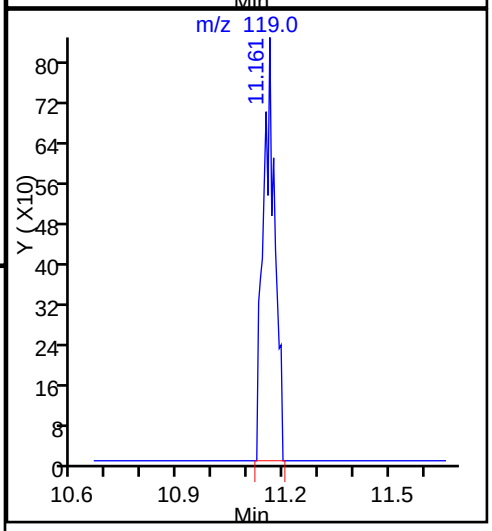
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Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

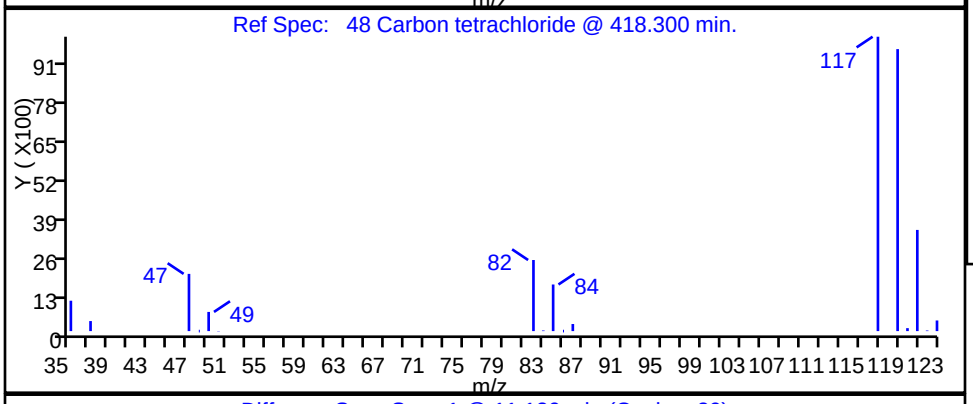
48 Carbon tetrachloride, CAS: 56-23-5

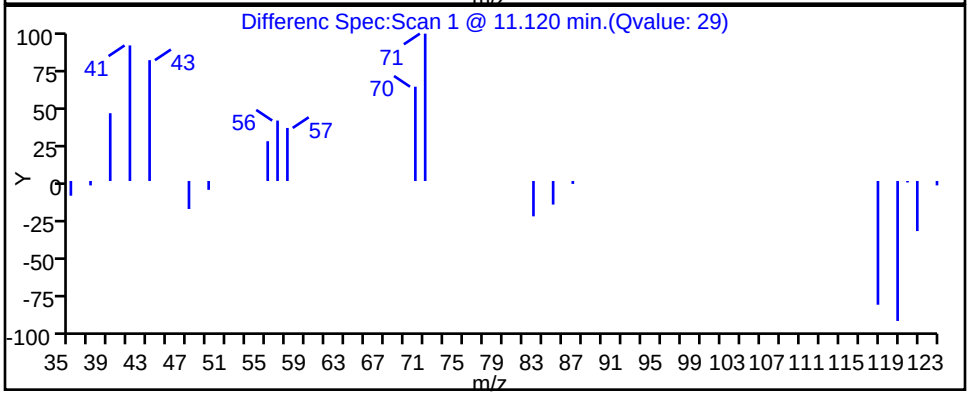








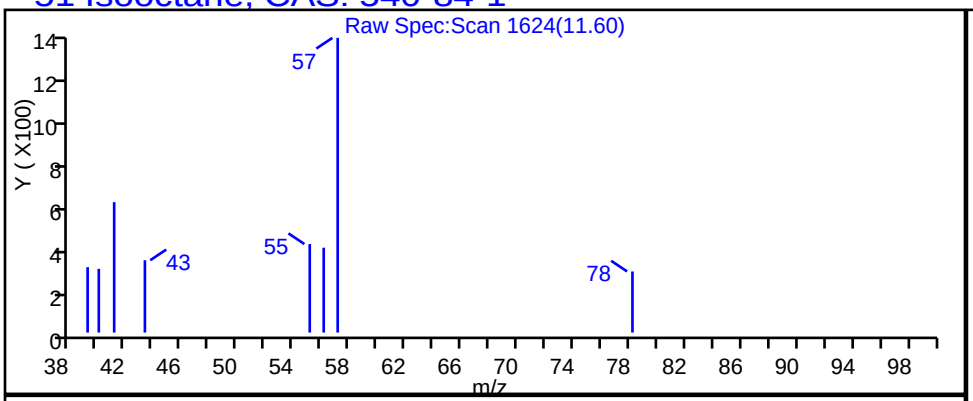


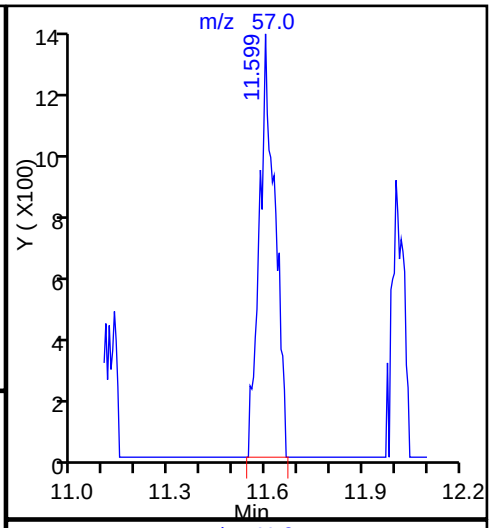


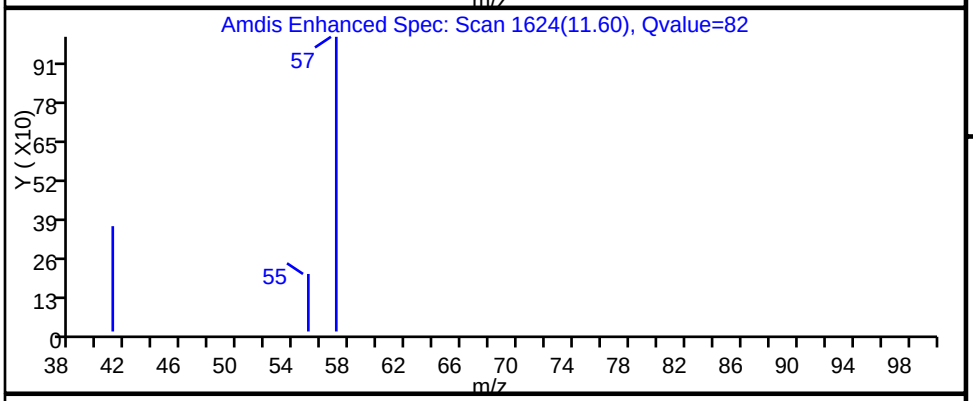
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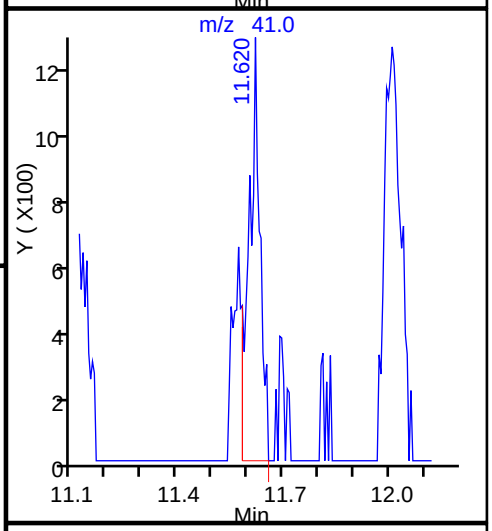
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Client ID:	101IA0305EA				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

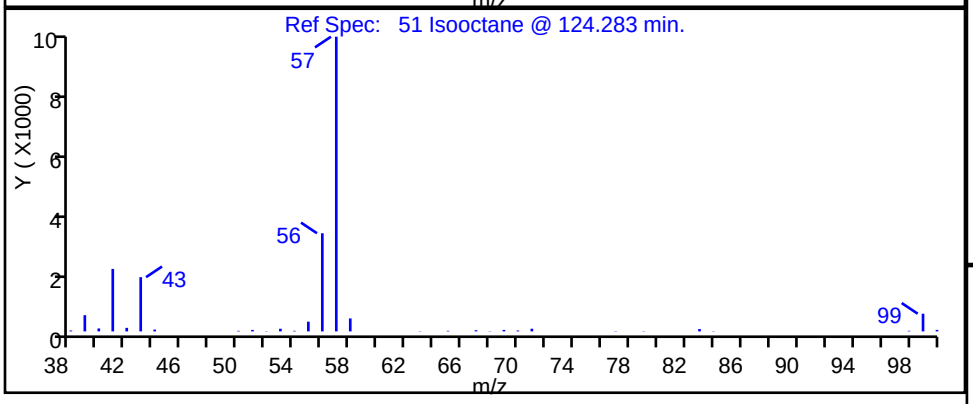
51 Isooctane, CAS: 540-84-1

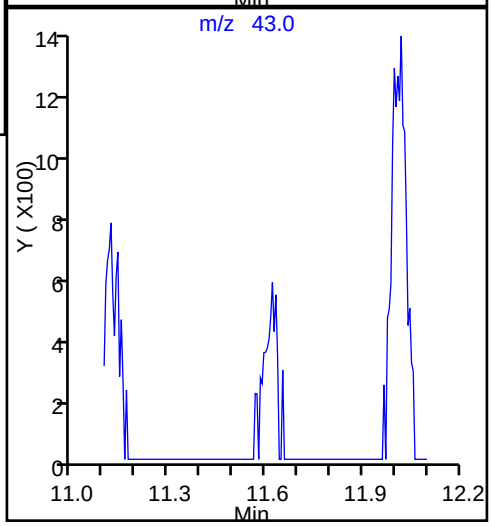








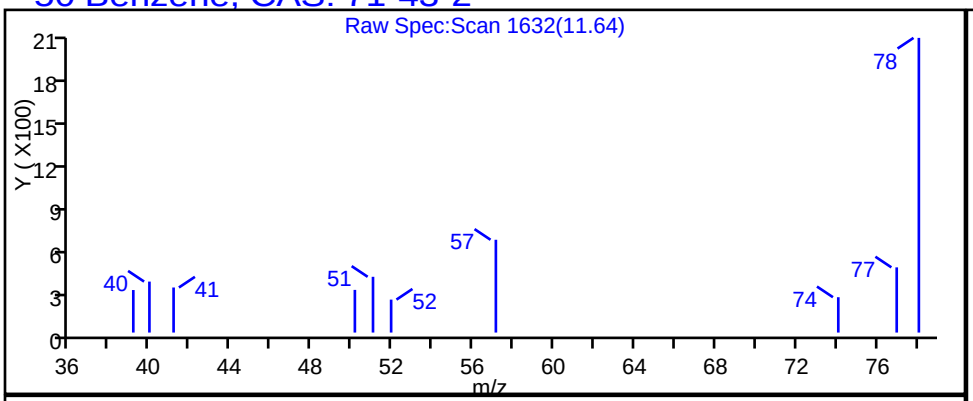


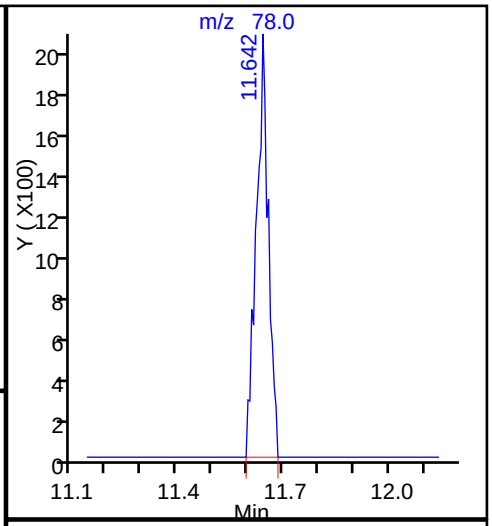


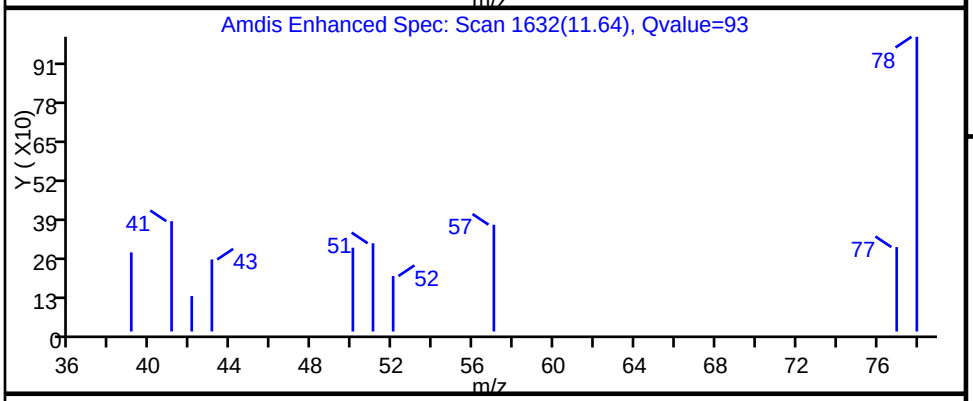
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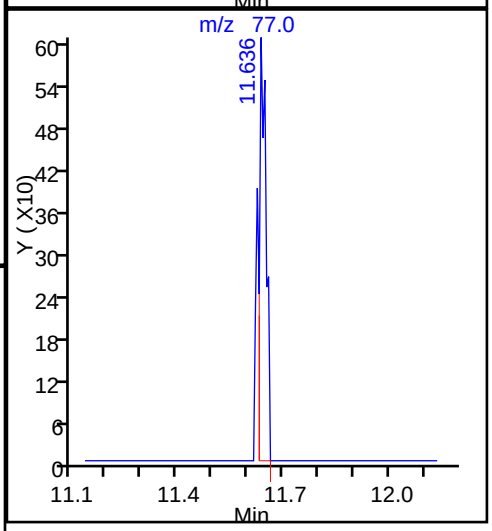
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Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

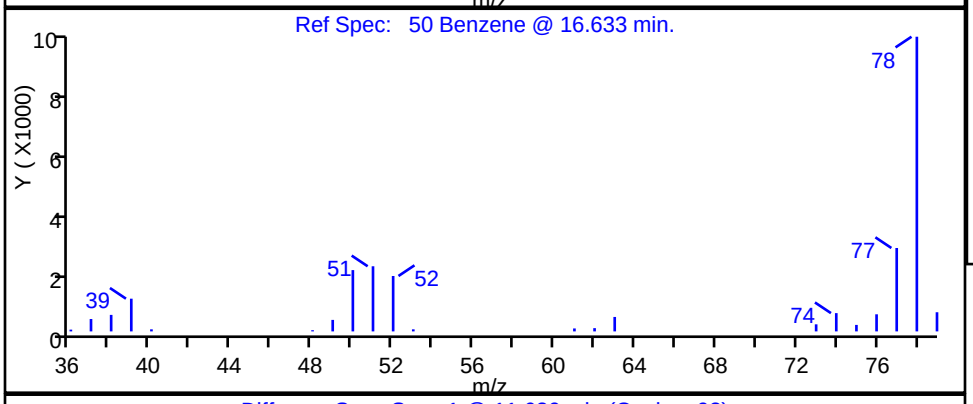
50 Benzene, CAS: 71-43-2

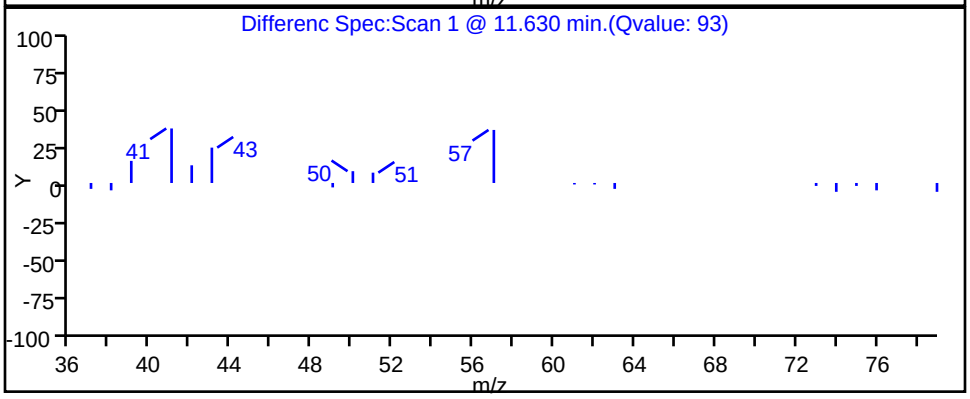








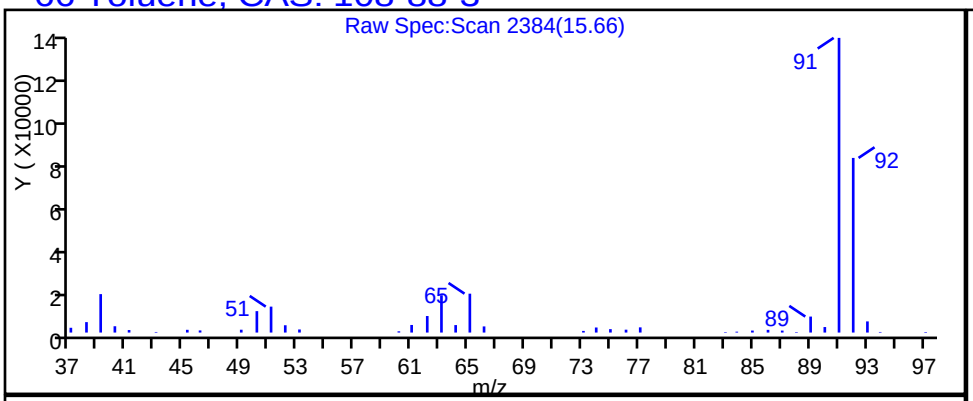


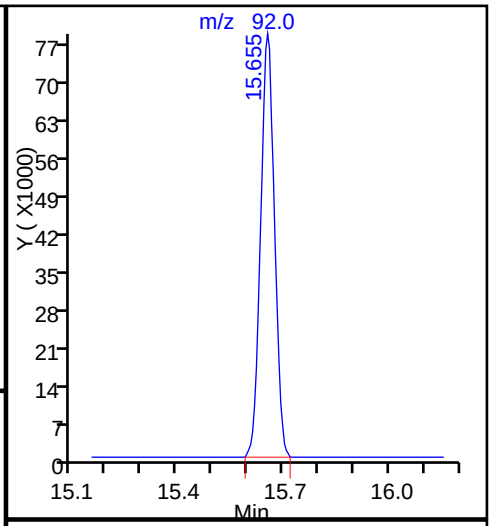


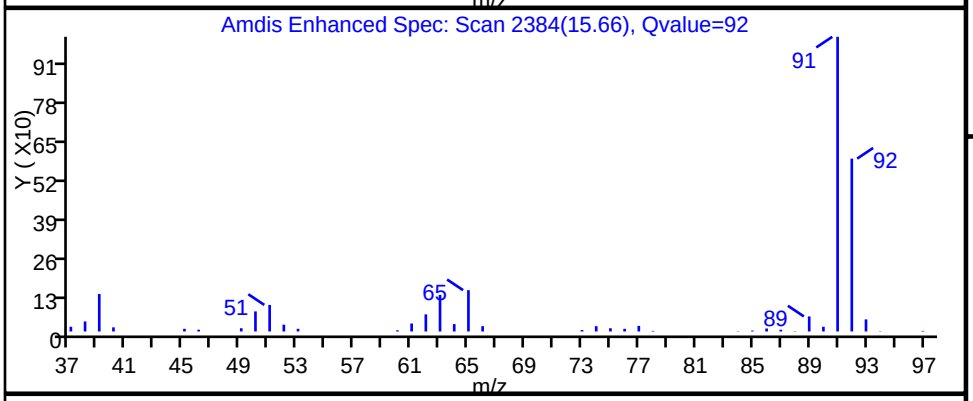
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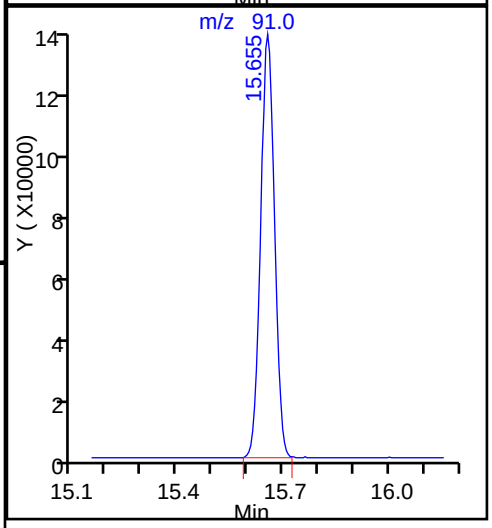
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Lims ID:	280-61460-A-5	Lab Sample ID:	200-61460-5		
Client ID:	101IA0305EA				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

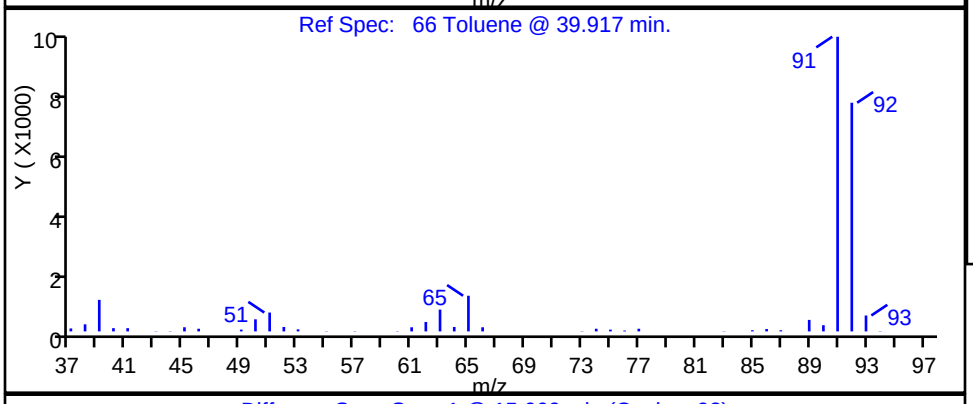
66 Toluene, CAS: 108-88-3

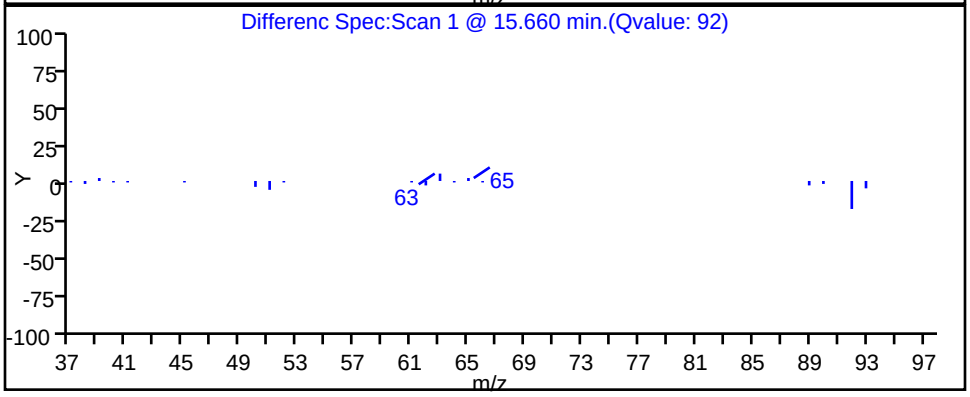








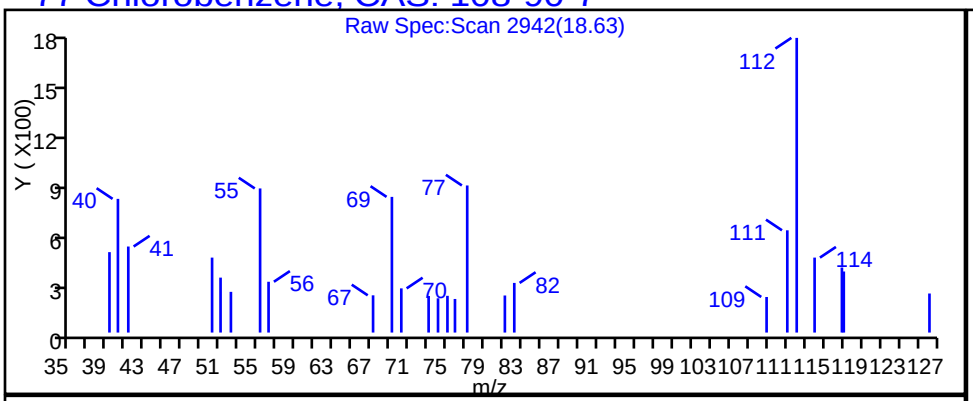


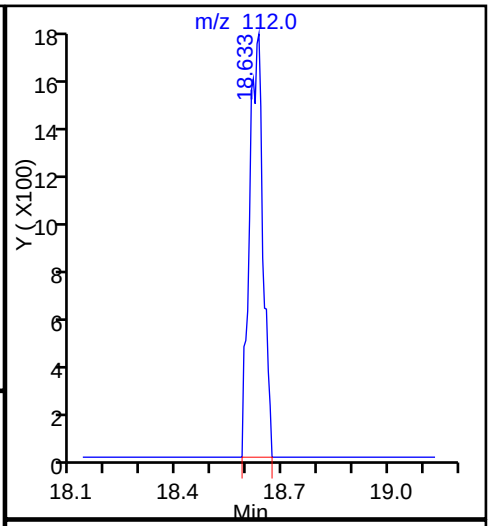


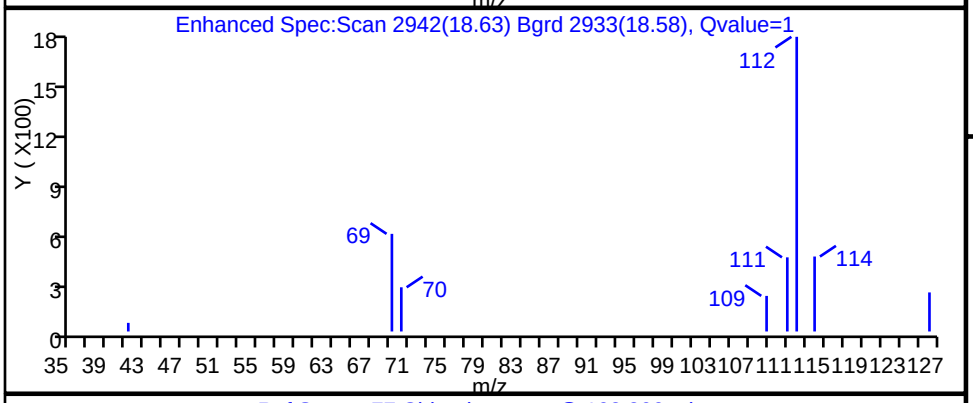
TestAmerica Burlington

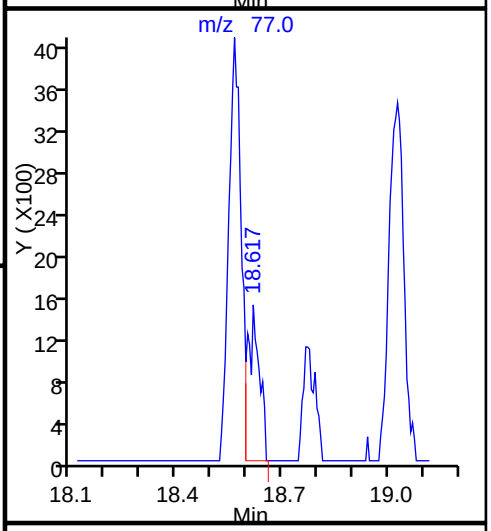
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Injection Date:	03-Nov-2014 18:35:30	Instrument ID:	CHC.i		
Lims ID:	280-61460-A-5	Lab Sample ID:	200-61460-5		
Client ID:	101IA0305EA				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

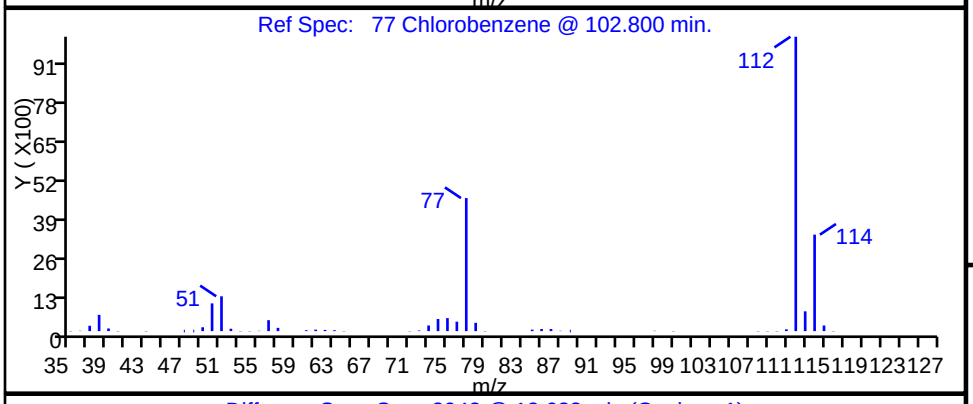
77 Chlorobenzene, CAS: 108-90-7

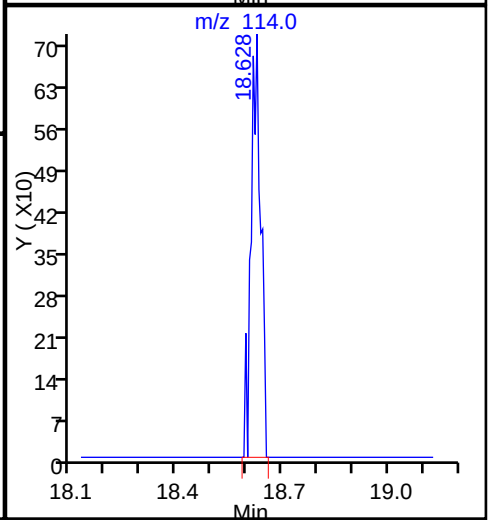


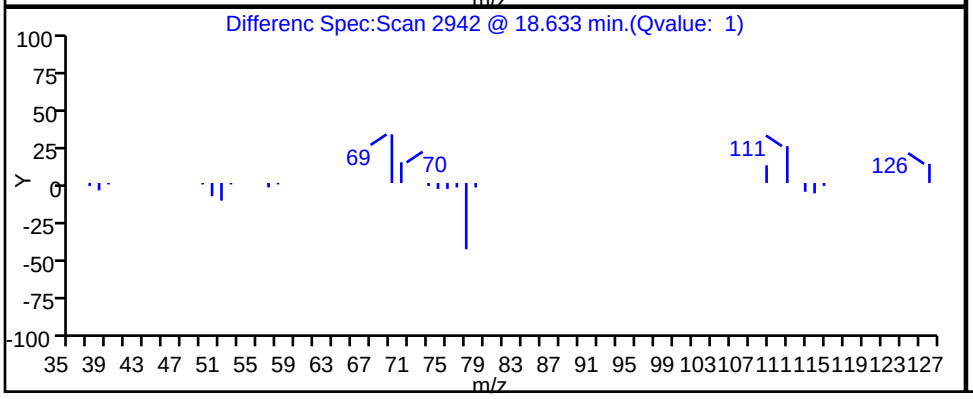










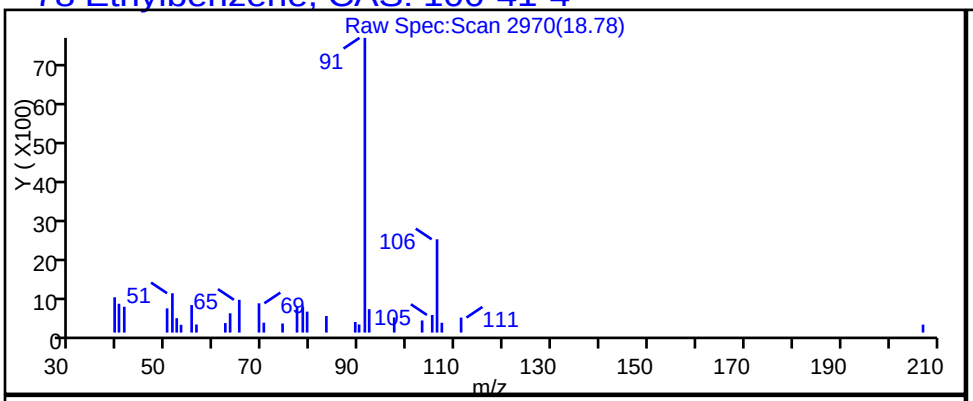


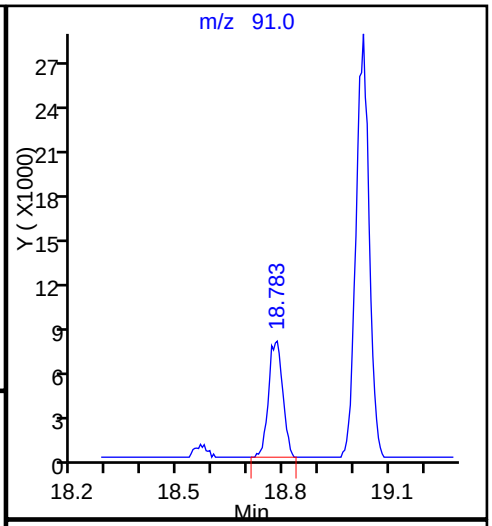
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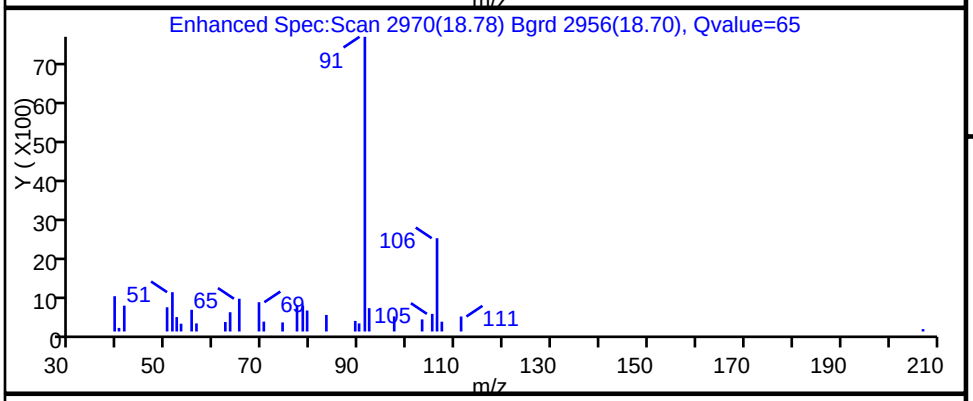
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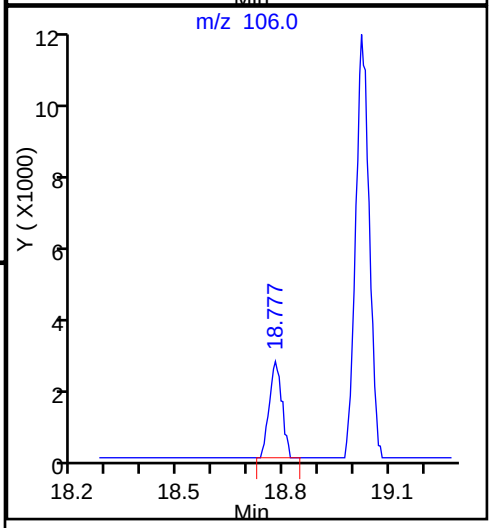
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Injection Date:	03-Nov-2014 18:35:30	Instrument ID:	CHC.i		
Lims ID:	280-61460-A-5	Lab Sample ID:	200-61460-5		
Client ID:	101IA0305EA				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

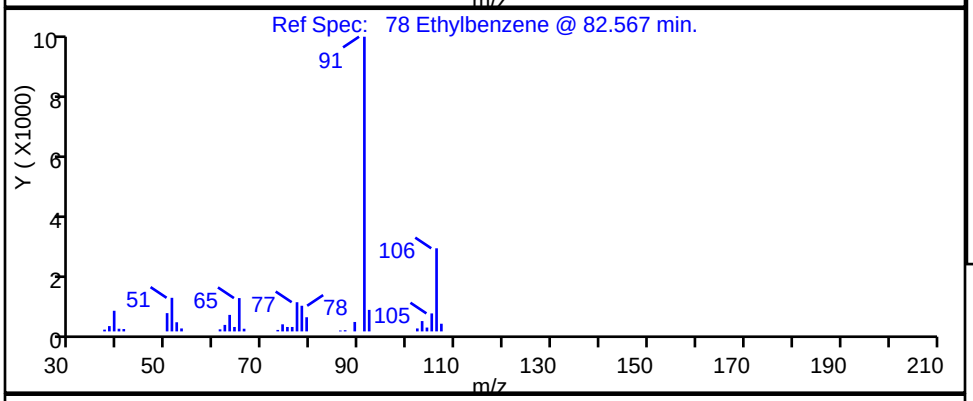
78 Ethylbenzene, CAS: 100-41-4

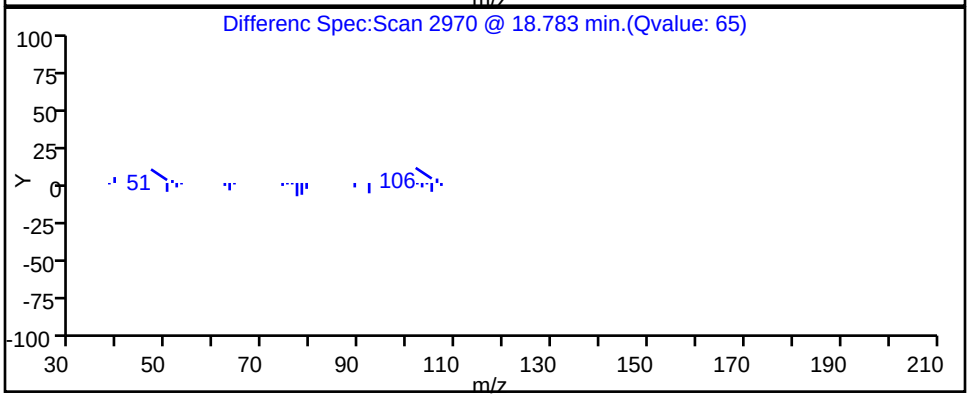










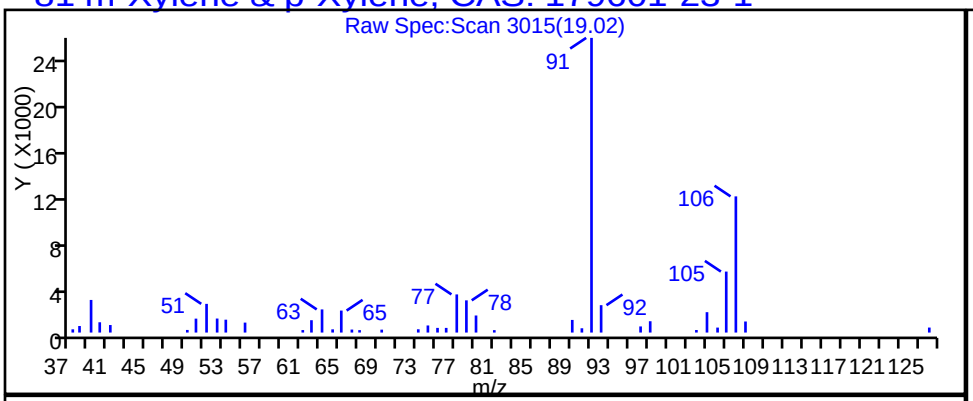


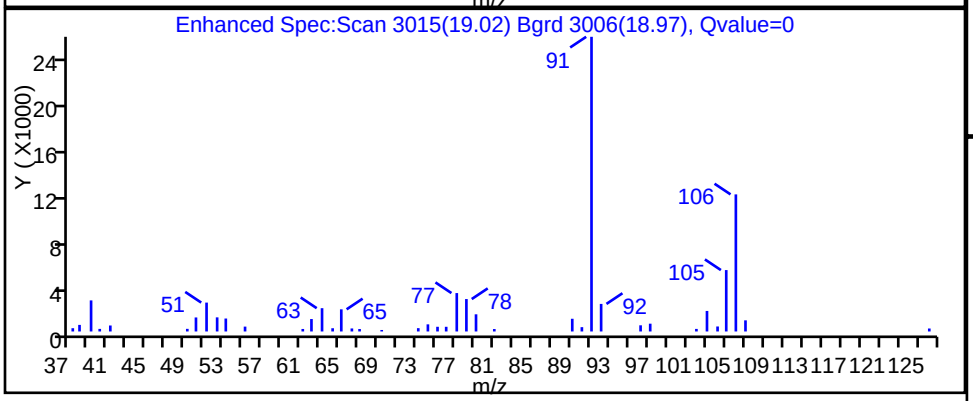
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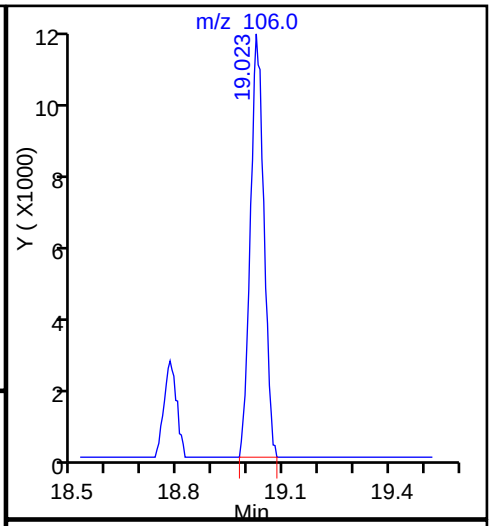
TestAmerica Burlington

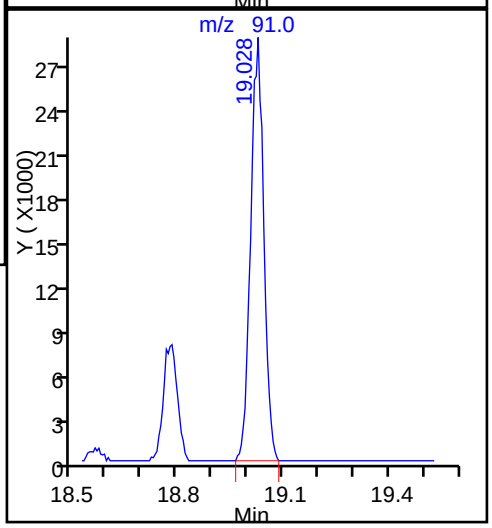
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Injection Date:	03-Nov-2014 18:35:30	Instrument ID:	CHC.i		
Lims ID:	280-61460-A-5	Lab Sample ID:	200-61460-5		
Client ID:	101IA0305EA				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 m-Xylene & p-Xylene, CAS: 179601-23-1









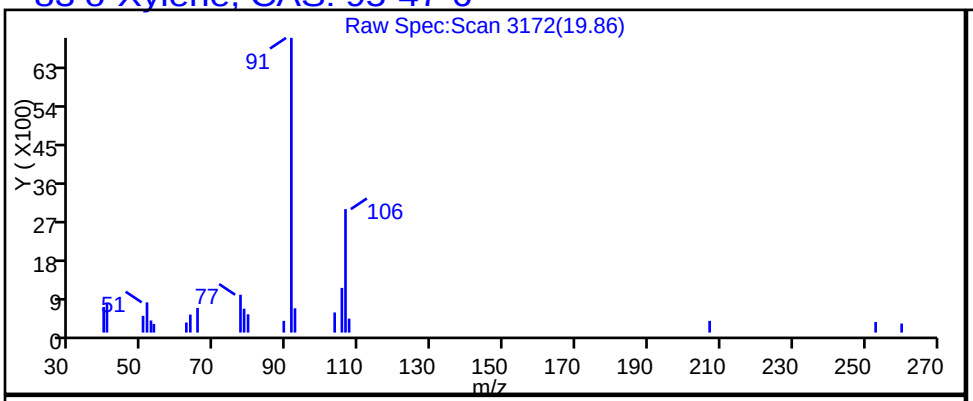
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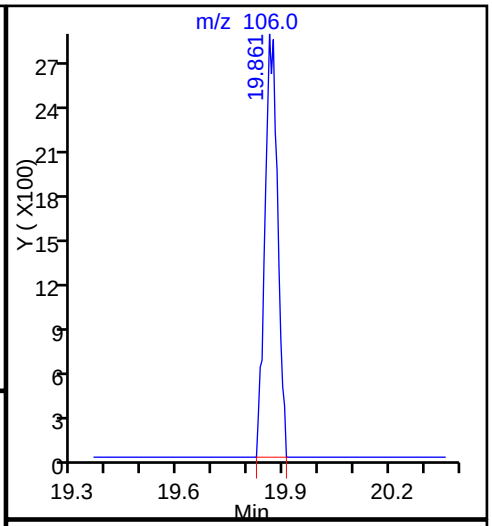
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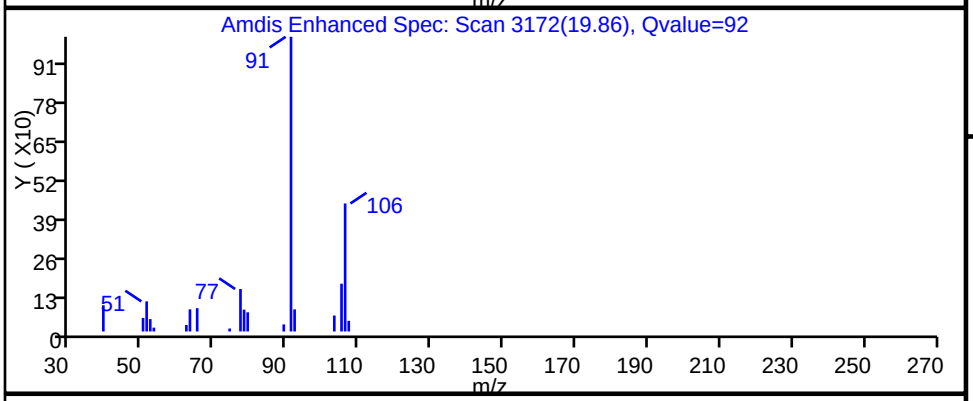
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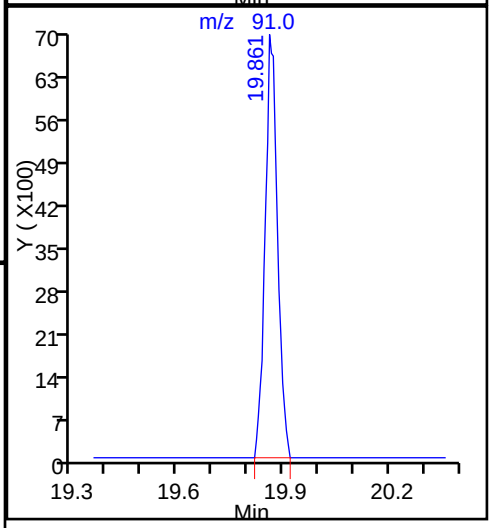
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Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
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Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

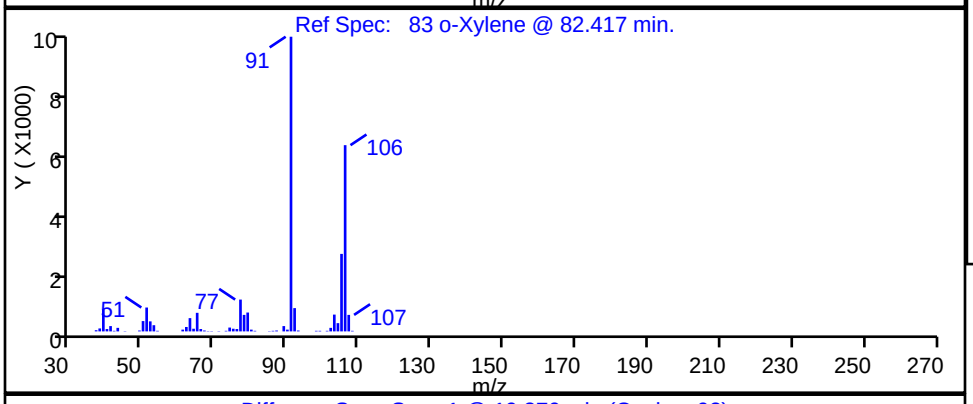
83 o-Xylene, CAS: 95-47-6

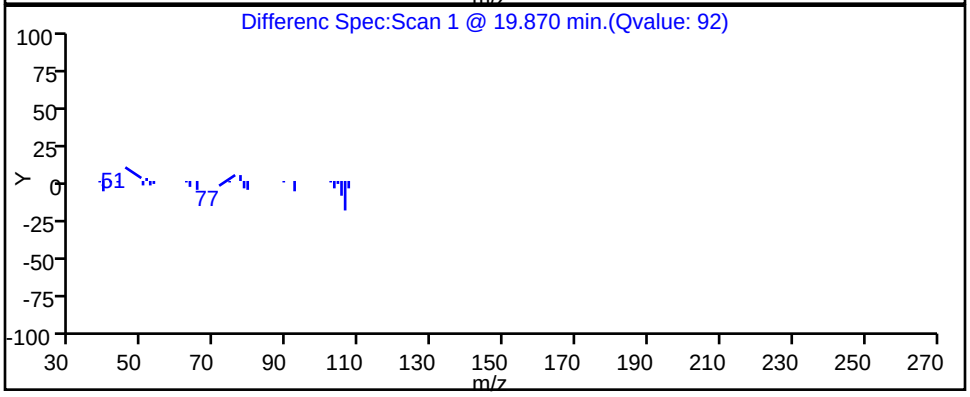








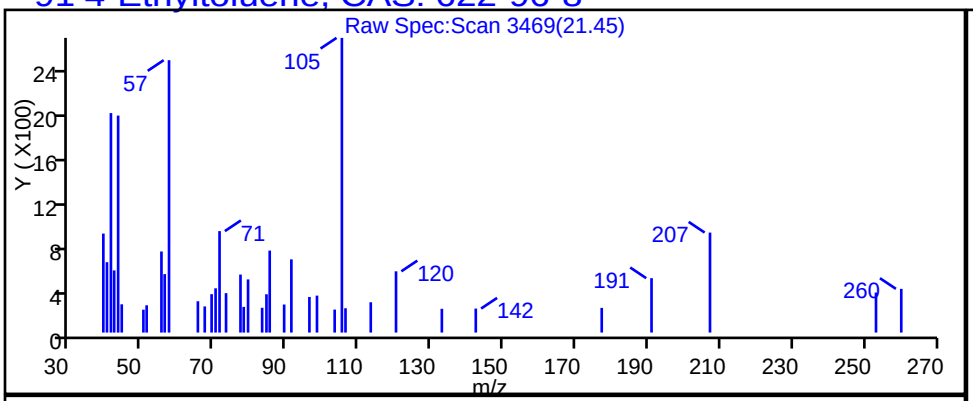


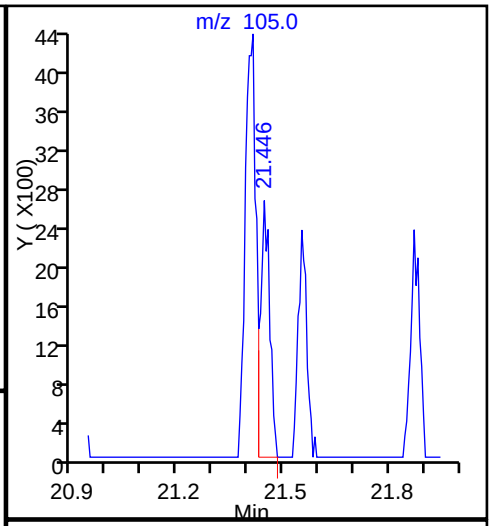


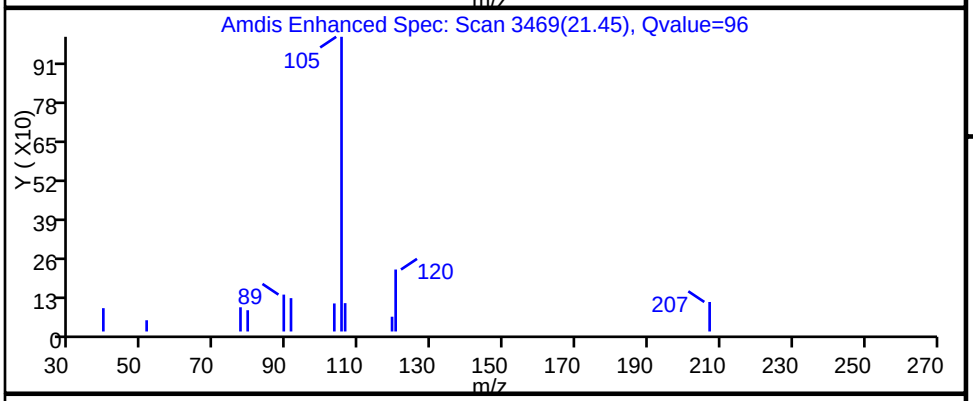
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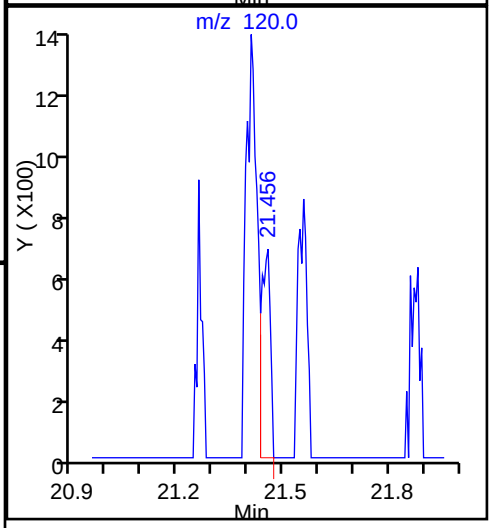
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Injection Date:	03-Nov-2014 18:35:30	Instrument ID:	CHC.i		
Lims ID:	280-61460-A-5	Lab Sample ID:	200-61460-5		
Client ID:	101IA0305EA				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

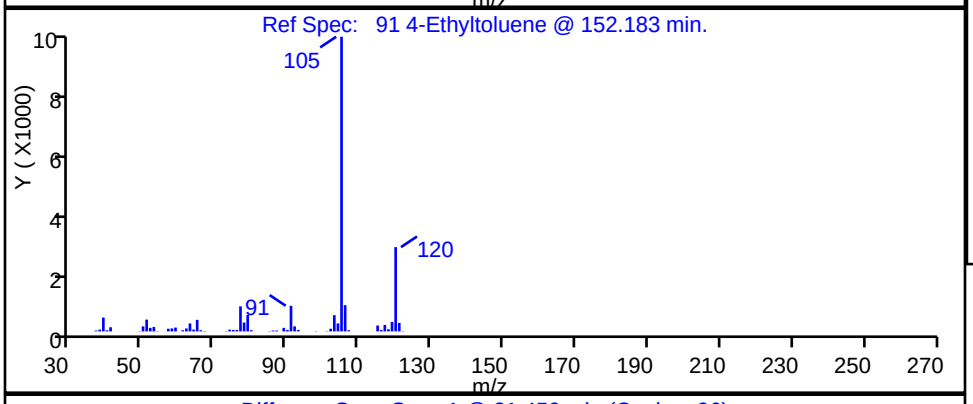
91 4-Ethyltoluene, CAS: 622-96-8

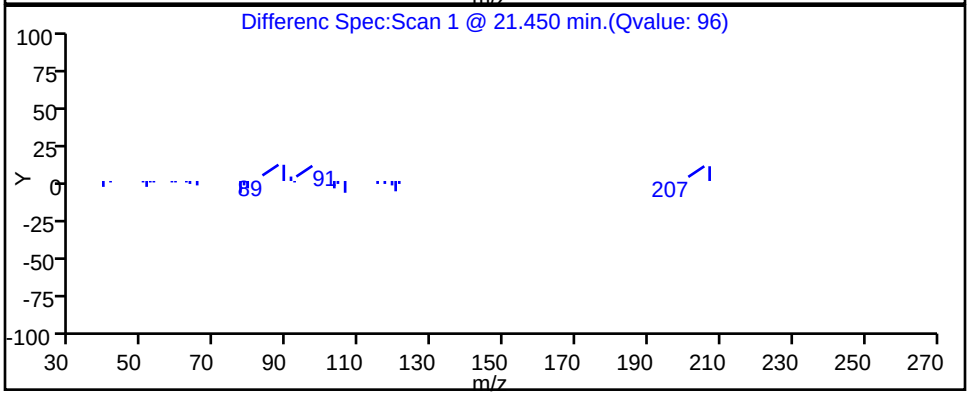








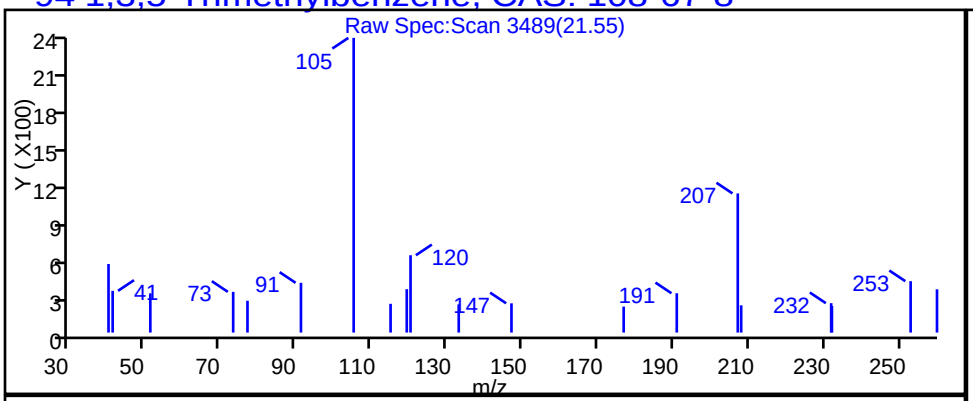


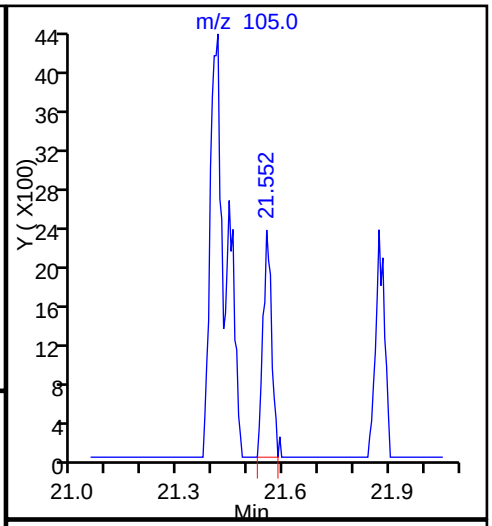


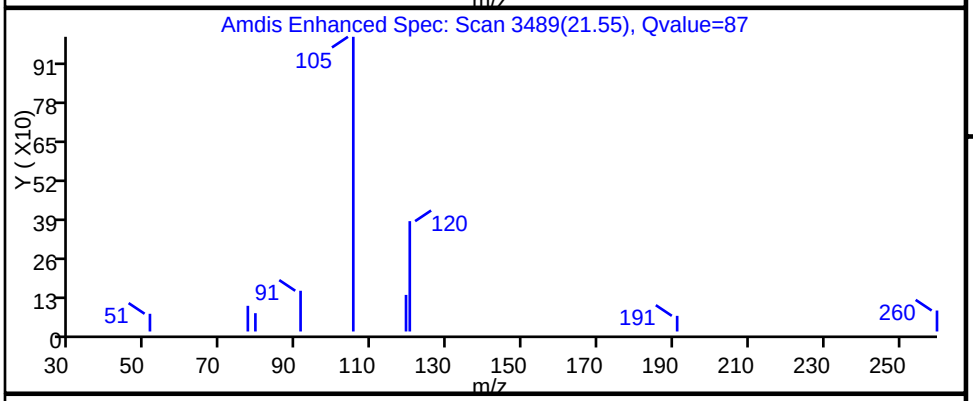
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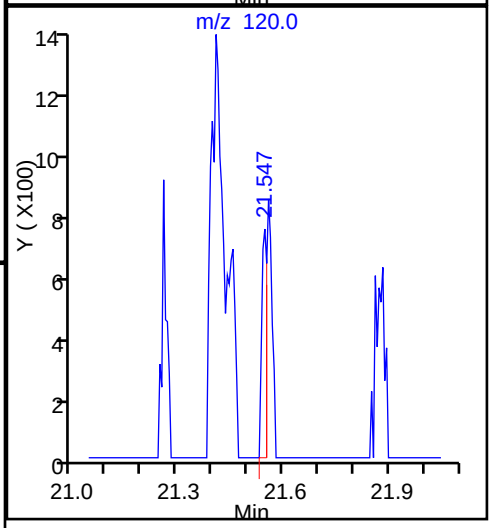
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Injection Date:	03-Nov-2014 18:35:30	Instrument ID:	CHC.i		
Lims ID:	280-61460-A-5	Lab Sample ID:	200-61460-5		
Client ID:	101IA0305EA				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

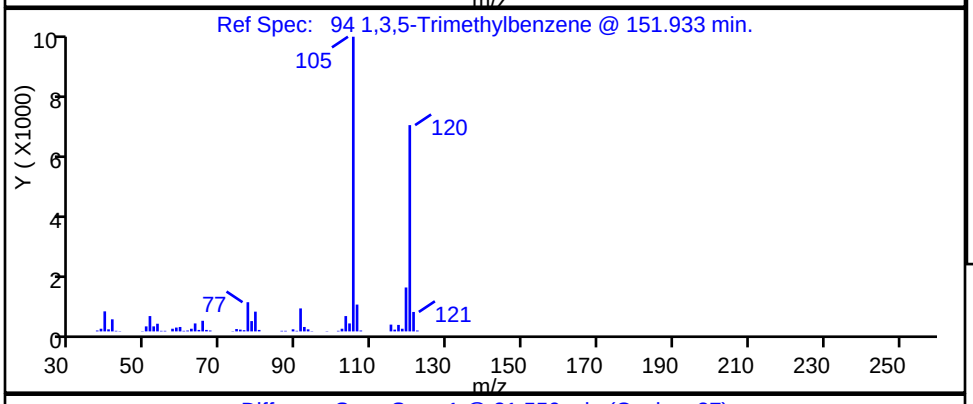
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

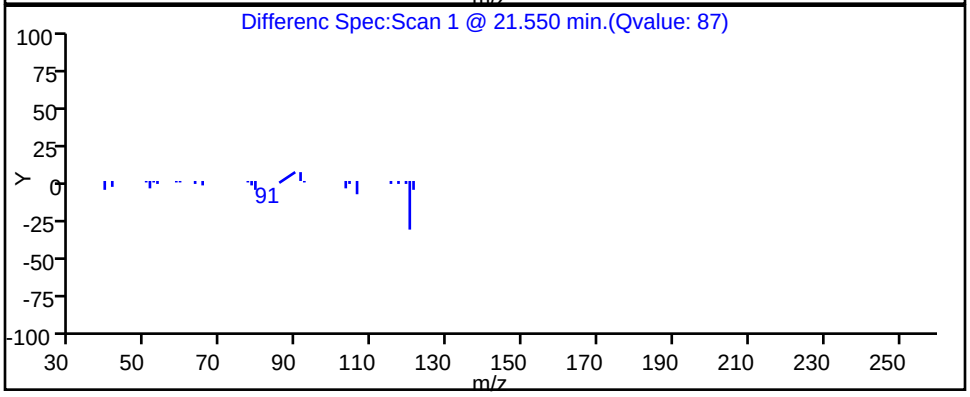










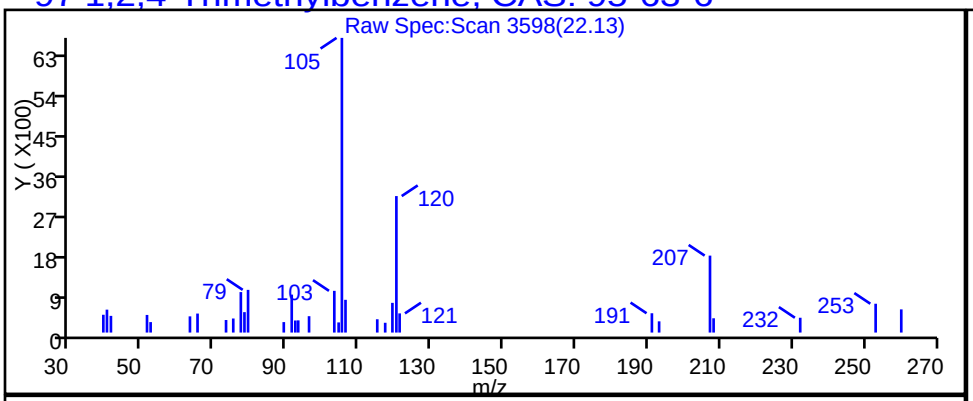


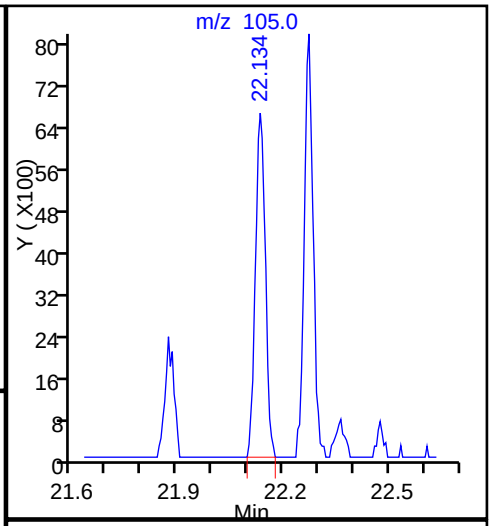
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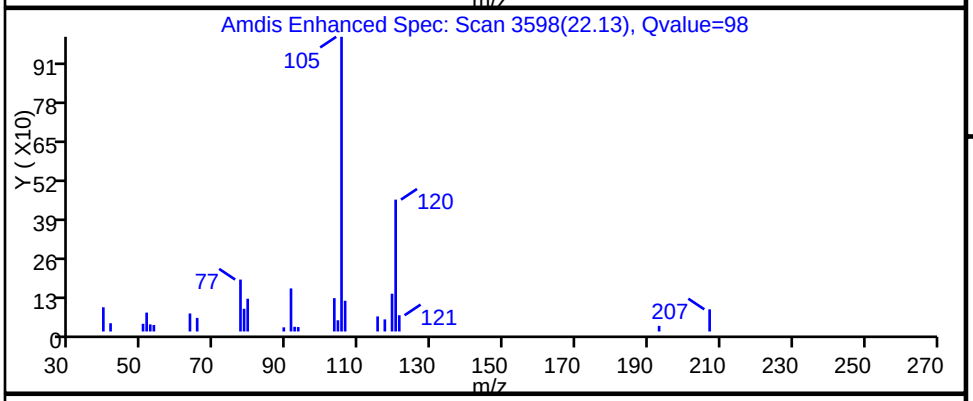
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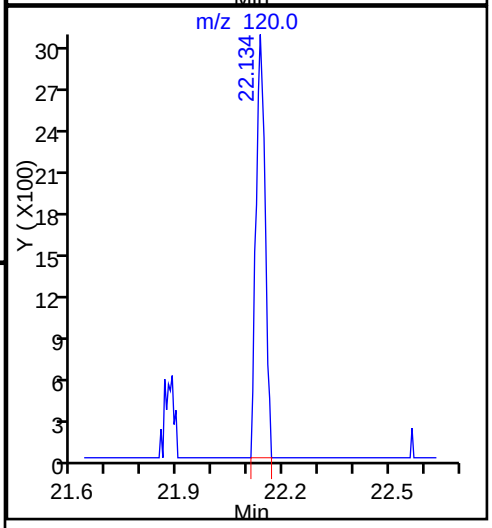
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Injection Date:	03-Nov-2014 18:35:30	Instrument ID:	CHC.i		
Lims ID:	280-61460-A-5	Lab Sample ID:	200-61460-5		
Client ID:	101IA0305EA				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

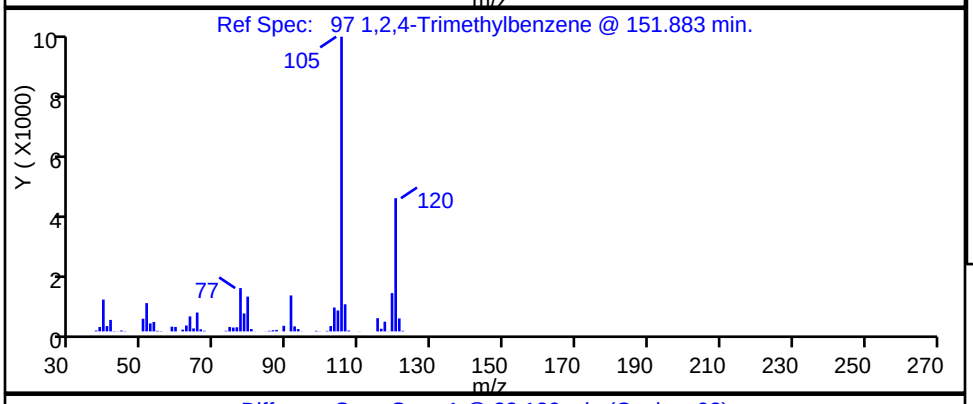
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

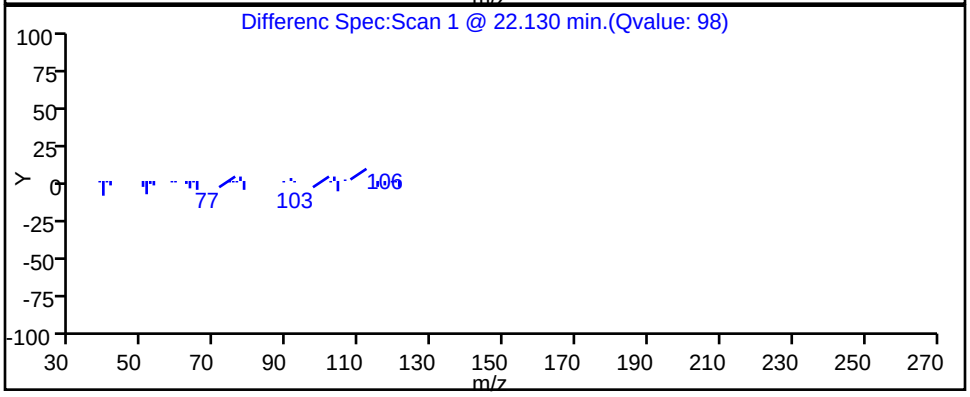












Manual Integration/User Assign Peak Report

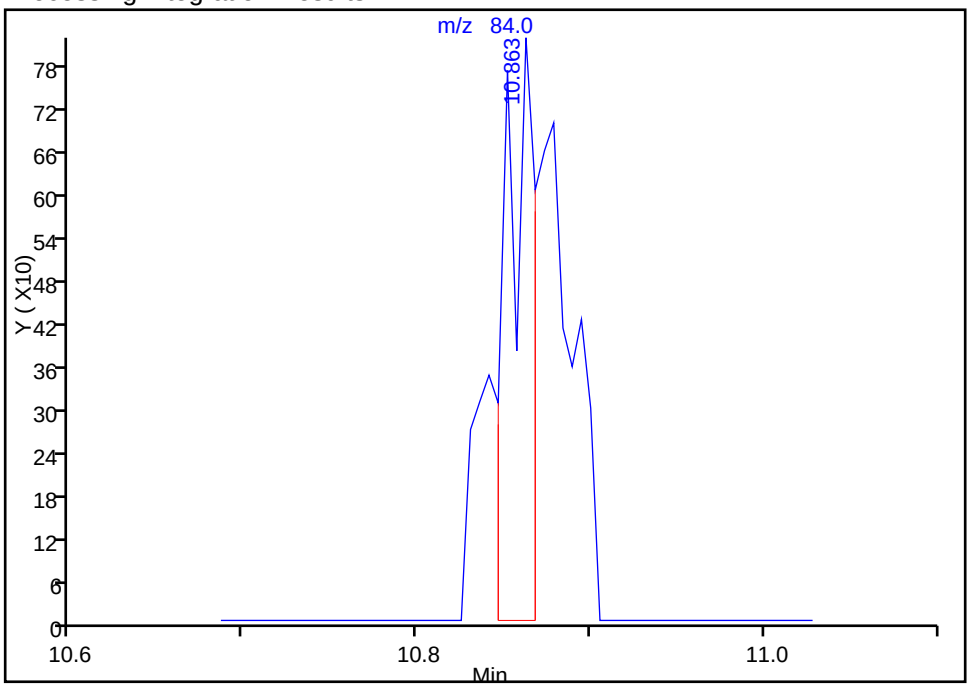
TestAmerica Burlington

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Injection Date:	03-Nov-2014 18:35:30	Instrument ID:	CHC.i		
Lims ID:	280-61460-A-5	Lab Sample ID:	200-61460-5		
Client ID:	101IA0305EA				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

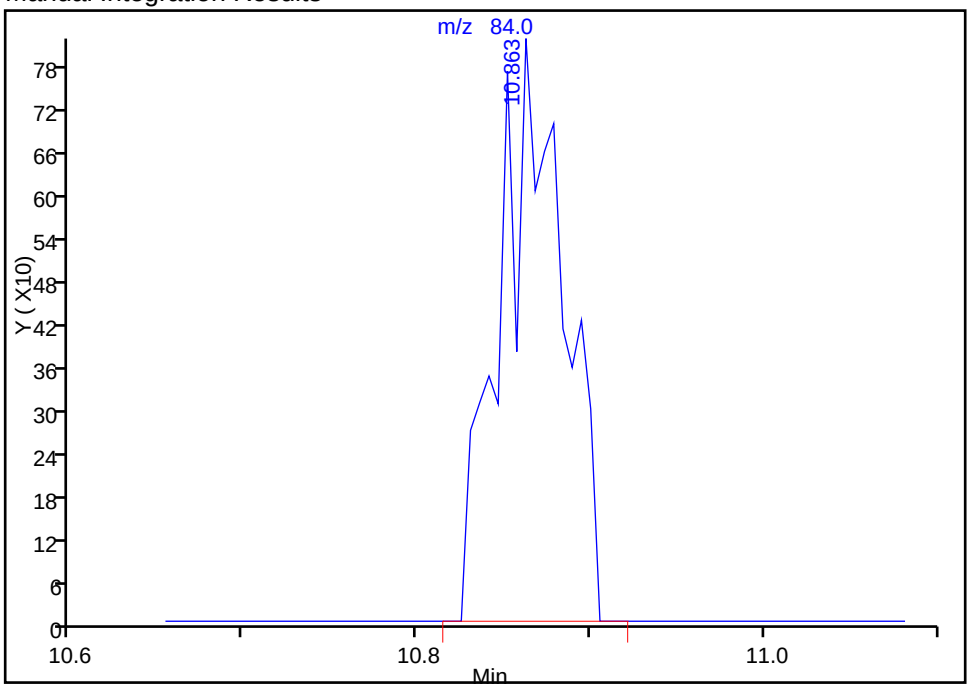
Processing Integration Results

RT: 10.86
Response: 918
Amount: 0.042221



Manual Integration Results

RT: 10.86
Response: 2119
Amount: 0.097457



Reviewer: lyonsb, 04-Nov-2014 09:09:35
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

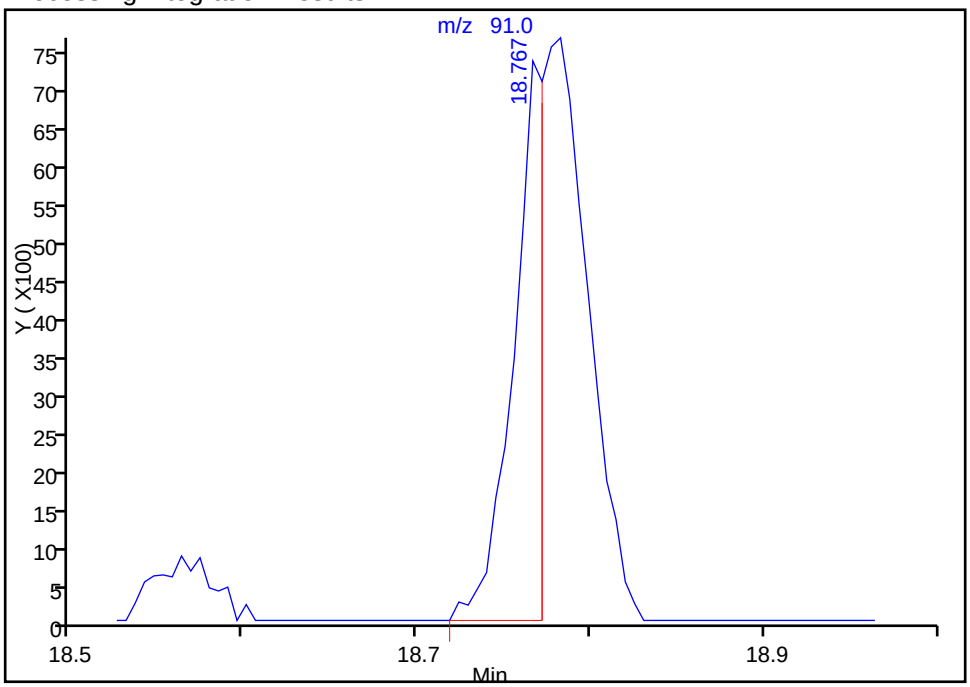
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141103-10320.b\10320_12.D				
Injection Date:	03-Nov-2014 18:35:30	Instrument ID:	CHC.i		
Lims ID:	280-61460-A-5	Lab Sample ID:	200-61460-5		
Client ID:	101IA0305EA				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4

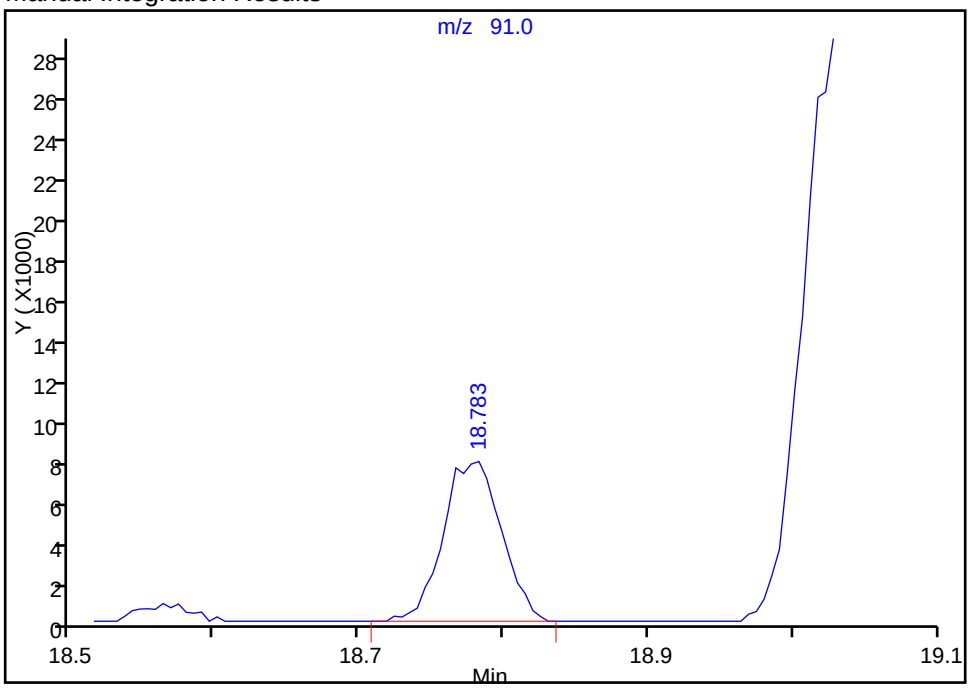
Processing Integration Results

RT: 18.77
Response: 9172
Amount: 0.108967



Manual Integration Results

RT: 18.78
Response: 21608
Amount: 0.256712



Reviewer: lyonsb, 04-Nov-2014 09:09:35
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

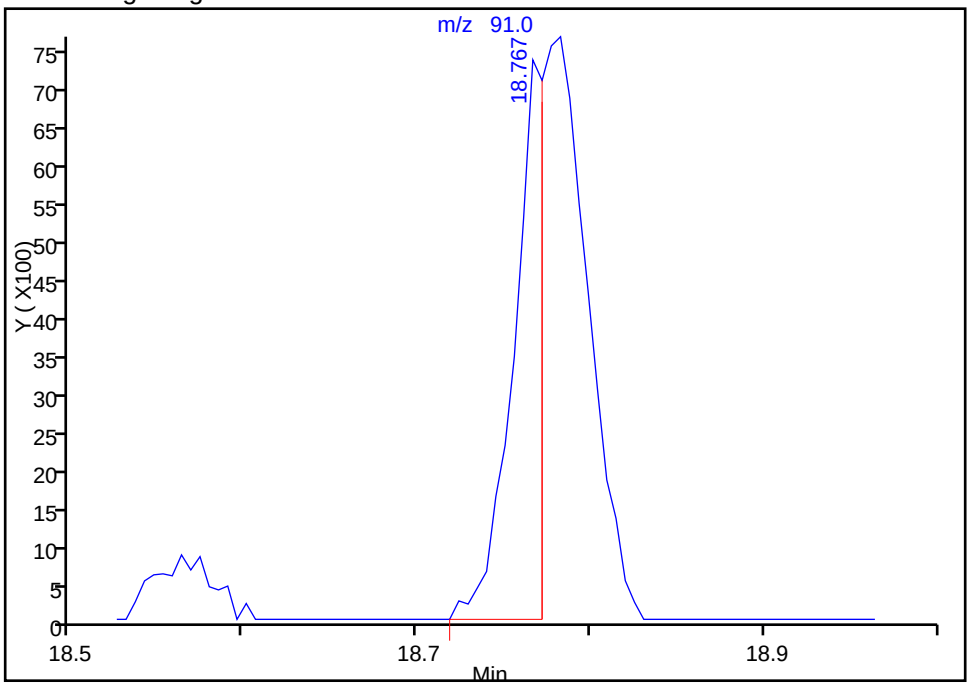
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141103-10320.b\10320_12.D				
Injection Date:	03-Nov-2014 18:35:30	Instrument ID:	CHC.i		
Lims ID:	280-61460-A-5	Lab Sample ID:	200-61460-5		
Client ID:	101IA0305EA				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4

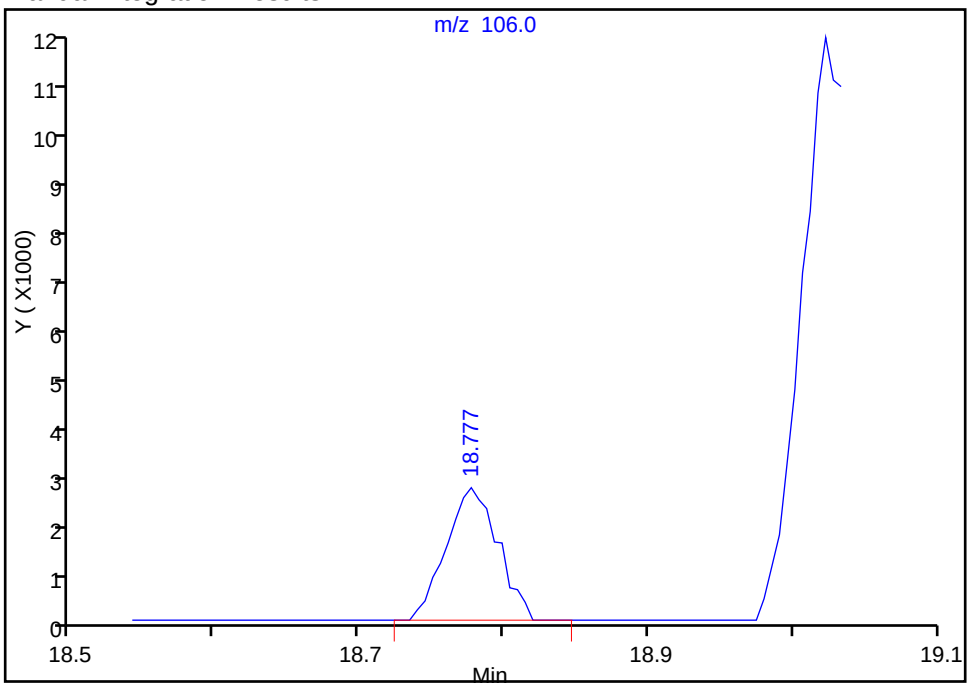
Processing Integration Results

RT: 18.78
Response: 0
Amount: 0.108967



Manual Integration Results

RT: 18.78
Response: 6666
Amount: 0.256712



Reviewer: lyonsb, 04-Nov-2014 09:09:35
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101IA0405EA Lab Sample ID: 280-61460-6

Matrix: Air Lab File ID: 10288_014.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:10

Sample wt/vol: 200(mL) Date Analyzed: 10/31/2014 19:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.47	J	0.50	0.056
75-45-6	Freon 22	86.47	0.27	J	0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.53		0.50	0.060
106-97-8	n-Butane	58.12	0.64		0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.33		0.20	0.045
76-13-1	Freon TF	187.38	0.079	J	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	20		5.0	0.69
67-63-0	Isopropyl alcohol	60.10	15		5.0	0.15
75-15-0	Carbon disulfide	76.14	0.080	U	0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.21	J M	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.20	U	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.21		0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	1.1		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.080	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.053
67-66-3	Chloroform	119.38	0.080	U	0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.34	J	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.030
110-82-7	Cyclohexane	84.16	0.12	J M	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.077	J	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.081	J	0.20	0.023
71-43-2	Benzene	78.11	0.16	J	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101IA0405EA Lab Sample ID: 280-61460-6

Matrix: Air Lab File ID: 10288_014.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:10

Sample wt/vol: 200(mL) Date Analyzed: 10/31/2014 19:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.080	U	0.20	0.037
79-01-6	Trichloroethene	131.39	0.030	U	0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.030	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.52		0.50	0.18
108-88-3	Toluene	92.14	6.4		0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.030	U	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.40		0.20	0.020
179601-23-1	m,p-Xylene	106.17	1.8		0.50	0.025
95-47-6	Xylene, o-	106.17	0.51		0.20	0.018
1330-20-7	Xylene (total)	106.17	2.3		0.20	0.041
100-42-5	Styrene	104.15	0.077	J	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U	0.20	0.025
98-82-8	Cumene	120.19	0.020	J	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.030	U	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.042	J	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.047	J	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.14	J	0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.030	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.030	U	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.030	U	0.20	0.019

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101IA0405EA Lab Sample ID: 280-61460-6

Matrix: Air Lab File ID: 10288_014.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:10

Sample wt/vol: 200(mL) Date Analyzed: 10/31/2014 19:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.080	U	0.50	0.030

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101IA0405EA Lab Sample ID: 280-61460-6

Matrix: Air Lab File ID: 10288_014.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:10

Sample wt/vol: 200(mL) Date Analyzed: 10/31/2014 19:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.3	J	2.5	0.28
75-45-6	Freon 22	86.47	0.96	J	1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	1.1		1.0	0.12
106-97-8	n-Butane	58.12	1.5		1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	1.8		1.1	0.25
76-13-1	Freon TF	187.38	0.61	J	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	48		12	1.6
67-63-0	Isopropyl alcohol	60.10	37		12	0.37
75-15-0	Carbon disulfide	76.14	0.25	U	1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.74	J M	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	0.61	U	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	0.76		0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	3.3		1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.32	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.21
67-66-3	Chloroform	119.38	0.39	U	0.98	0.19
109-99-9	Tetrahydrofuran	72.11	1.0	J	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.16
110-82-7	Cyclohexane	84.16	0.40	J M	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.49	J	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.38	J	0.93	0.11
71-43-2	Benzene	78.11	0.50	J	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101IA0405EA Lab Sample ID: 280-61460-6

Matrix: Air Lab File ID: 10288_014.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:10

Sample wt/vol: 200(mL) Date Analyzed: 10/31/2014 19:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.33	U	0.82	0.15
79-01-6	Trichloroethene	131.39	0.16	U	1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.20	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.1		2.0	0.74
108-88-3	Toluene	92.14	24		0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.82	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	1.8		0.87	0.087
179601-23-1	m,p-Xylene	106.17	7.9		2.2	0.11
95-47-6	Xylene, o-	106.17	2.2		0.87	0.078
1330-20-7	Xylene (total)	106.17	10		0.87	0.18
100-42-5	Styrene	104.15	0.33	J	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U	2.1	0.26
98-82-8	Cumene	120.19	0.099	J	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.15	U	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.21	J	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.23	J	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	0.69	J	0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.16	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.18	U	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.18	U	1.2	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101IA0405EA Lab Sample ID: 280-61460-6

Matrix: Air Lab File ID: 10288_014.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:10

Sample wt/vol: 200(mL) Date Analyzed: 10/31/2014 19:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.42	U	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_014.d
Lims ID: 280-61460-A-6 Lab Sample ID: 200-61460-6
Client ID: 101IA0405EA
Sample Type: Client
Inject. Date: 31-Oct-2014 19:42:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010288-014
Misc. Info.: 280-61460-a-6
Operator ID: BPL Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 03-Nov-2014 09:39:33 Calib Date: 30-Oct-2014 19:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: lyonsb Date: 03-Nov-2014 09:12:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.472	4.483	-0.011	98	78796	0.4693	
6 Chlorodifluoromethane	51	4.542	4.547	-0.005	96	21053	0.2721	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.831				ND	
8 Chloromethane	50	5.018	5.029	-0.011	99	23803	0.5295	
9 Butane	43	5.280	5.291	-0.011	97	44397	0.6440	
10 Vinyl chloride	62		5.350				ND	
11 Butadiene	54		5.446				ND	
12 Bromomethane	94		6.307				ND	
14 Chloroethane	64		6.591				ND	
16 Vinyl bromide	106		7.067				ND	
17 Trichlorofluoromethane	101	7.174	7.184	-0.010	97	54322	0.3251	
23 1,1,2-Trichloro-1,2,2-trif	101	8.426	8.426	0.000	93	10734	0.0794	
24 1,1-Dichloroethene	96		8.500				ND	
25 Acetone	43	8.715	8.731	-0.016	91	1377091	20.2	
26 Carbon disulfide	76		8.987				ND	
27 Isopropyl alcohol	45	9.003	9.025	-0.022	98	812593	14.9	
29 3-Chloro-1-propene	41		9.383				ND	
31 Methylene Chloride	49	9.720	9.715	0.005	79	10809	0.2143	M
32 2-Methyl-2-propanol	59		9.891				ND	
33 Methyl tert-butyl ether	73		10.138				ND	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
34 trans-1,2-Dichloroethene	61		10.212				ND	
36 Hexane	57	10.619	10.630	-0.011	78	15369	0.2144	
37 1,1-Dichloroethane	63		11.175				ND	
39 cis-1,2-Dichloroethene	96		12.352				ND	
40 2-Butanone (MEK)	72	12.352	12.358	-0.006	96	35576	1.13	
44 Tetrahydrofuran	42	12.829	12.828	0.000	47	16162	0.3440	
* 43 Chlorobromomethane	128	12.823	12.834	-0.011	70	567333	10.0	
45 Chloroform	83	12.930	12.941	-0.011	46	3315	0.0263	
46 Cyclohexane	84	13.235	13.240	-0.005	88	9868	0.1174	M
47 1,1,1-Trichloroethane	97		13.251				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	13.508	13.508	0.000	94	11272	0.0771	
51 Isooctane	57	13.893	13.898	-0.005	91	18834	0.0806	
50 Benzene	78	13.952	13.957	-0.005	93	30539	0.1554	
52 1,2-Dichloroethane	62		14.118				ND	
53 n-Heptane	43		14.246				ND	
* 54 1,4-Difluorobenzene	114	14.712	14.717	-0.005	91	2642846	10.0	
56 Trichloroethene	95		15.182				ND	
58 1,2-Dichloropropane	63		15.696				ND	
59 Methyl methacrylate	69		15.781				ND	
60 1,4-Dioxane	88		15.872				ND	
62 Dichlorobromomethane	83		16.193				ND	
64 cis-1,3-Dichloropropene	75		17.055				ND	
65 4-Methyl-2-pentanone (MIBK	43	17.274	17.285	-0.011	91	51398	0.5208	
66 Toluene	92	17.622	17.627	-0.005	93	941922	6.44	
70 trans-1,3-Dichloropropene	75		18.157				ND	
71 1,1,2-Trichloroethane	83		18.526				ND	
72 Tetrachloroethene	166		18.665				ND	
73 2-Hexanone	43		18.906				ND	
74 Chlorodibromomethane	129		19.280				ND	
75 Ethylene Dibromide	107		19.564				ND	
S 82 Xylenes, Total	106				0		2.33	
* 76 Chlorobenzene-d5	117	20.409	20.409	0.000	80	2415210	10.0	
77 Chlorobenzene	112		20.468				ND	
78 Ethylbenzene	91	20.575	20.580	-0.005	96	125534	0.4045	
80 m-Xylene & p-Xylene	106	20.794	20.794	0.000	97	243398	1.83	
83 o-Xylene	106	21.506	21.511	-0.005	96	66633	0.5072	
84 Styrene	104	21.549	21.548	0.001	97	15174	0.0769	
85 Bromoform	173		21.934				ND	
86 Isopropylbenzene	105	22.073	22.078	-0.005	92	7314	0.0202	
$ 87 4-Bromofluorobenzene	95	22.415	22.415	0.000	96	1492064	NC	
88 1,1,2,2-Tetrachloroethane	83		22.640				ND	
90 N-Propylbenzene	91		22.709				ND	
91 4-Ethyltoluene	105	22.875	22.881	-0.005	85	16338	0.0422	
92 2-Chlorotoluene	91		22.913				ND	
94 1,3,5-Trimethylbenzene	105	22.972	22.971	0.001	94	15203	0.0468	
96 tert-Butylbenzene	119		23.448				ND	
97 1,2,4-Trimethylbenzene	105	23.539	23.539	0.001	96	45532	0.1400	
98 sec-Butylbenzene	105		23.774				ND	
99 4-Isopropyltoluene	119		23.977				ND	
100 1,3-Dichlorobenzene	146		24.047				ND	
101 1,4-Dichlorobenzene	146		24.197				ND	
102 Benzyl chloride	91		24.400				ND	
103 n-Butylbenzene	91		24.614				ND	
105 1,2-Dichlorobenzene	146		24.796				ND	
107 1,2,4-Trichlorobenzene	180		27.674				ND	
108 Hexachlorobutadiene	225		27.872				ND	
109 Naphthalene	128		28.257				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

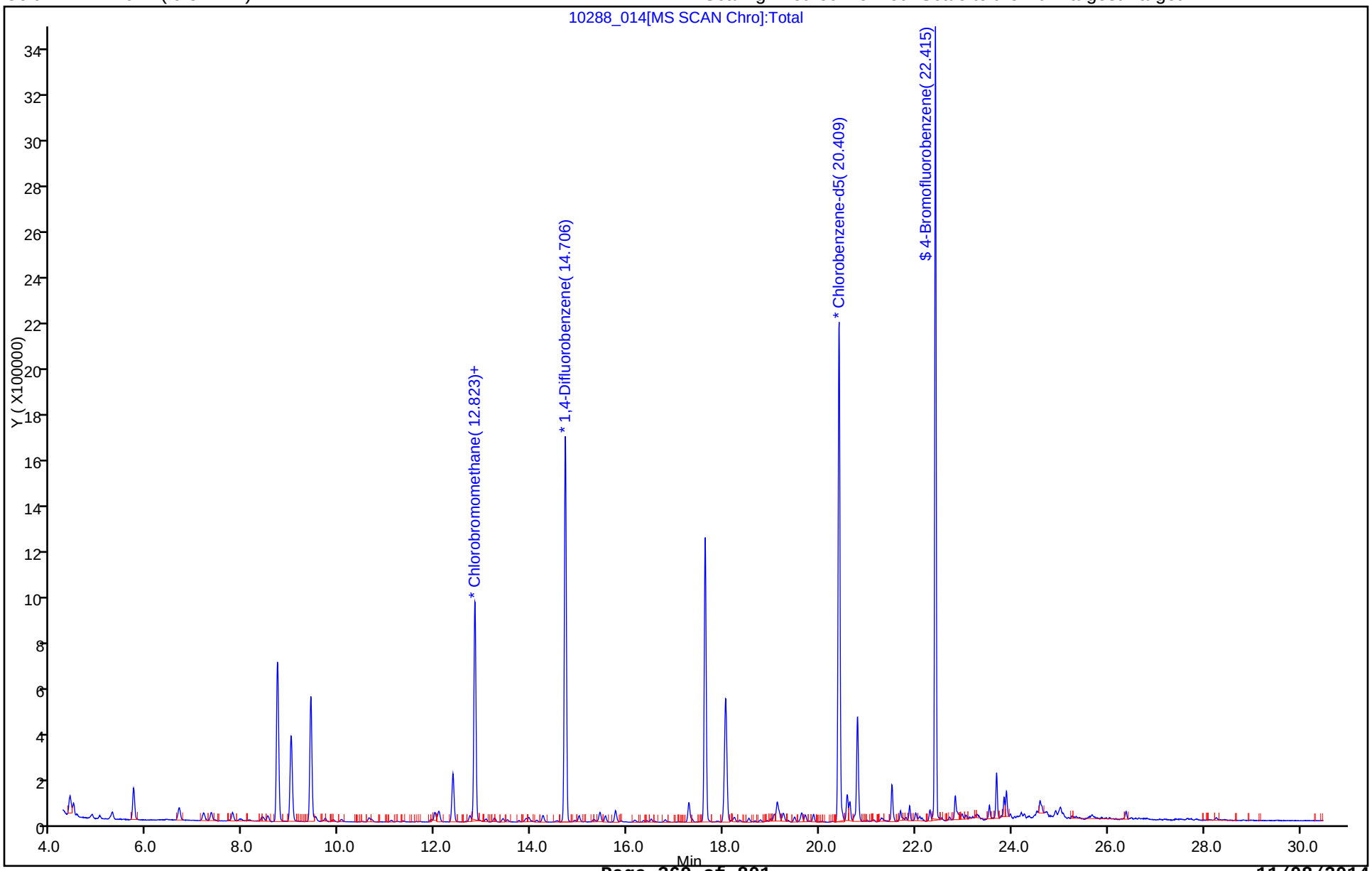
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TestAmerica Burlington

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Injection Date:	31-Oct-2014 19:42:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	280-61460-A-6	Lab Sample ID:	200-61460-6	Worklist Smp#:	14
Client ID:	101IA0405EA				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



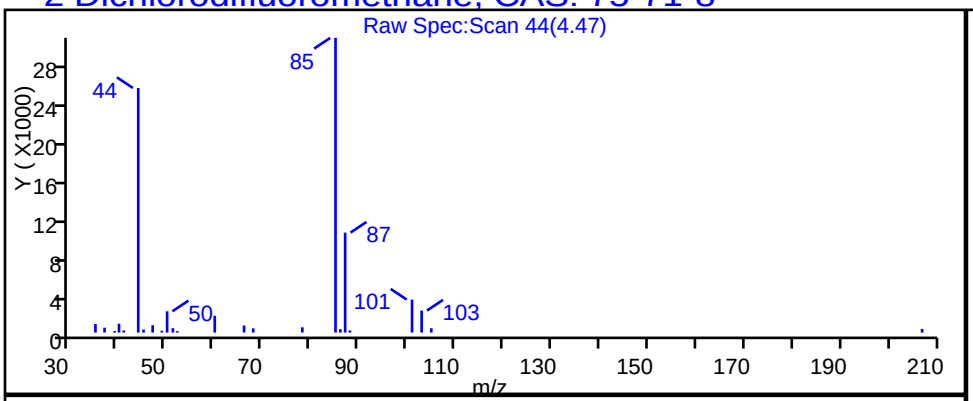
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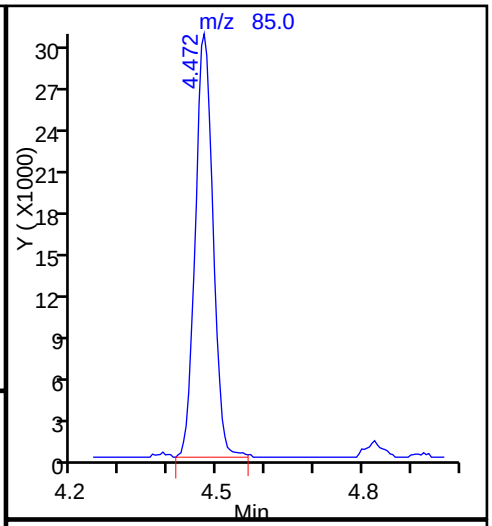
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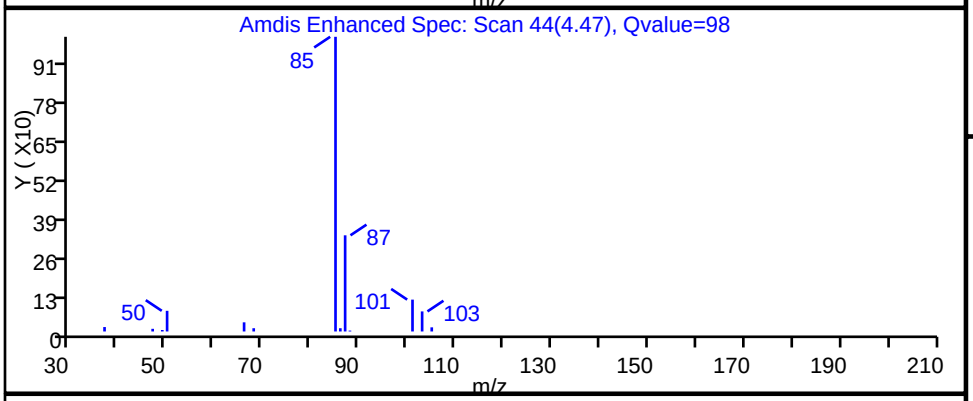
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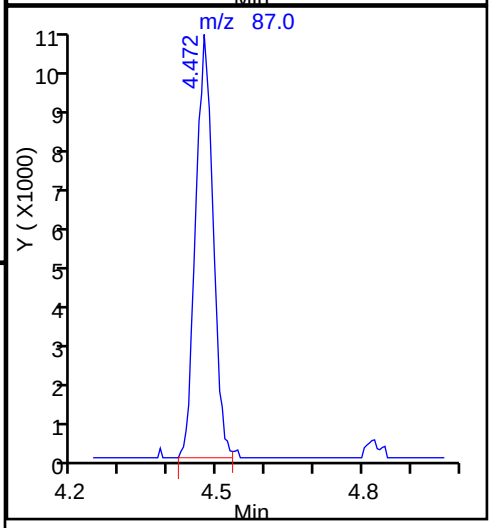
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Lims ID:	280-61460-A-6	Lab Sample ID:	200-61460-6		
Client ID:	101IA0405EA				
Operator ID:	BPL	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

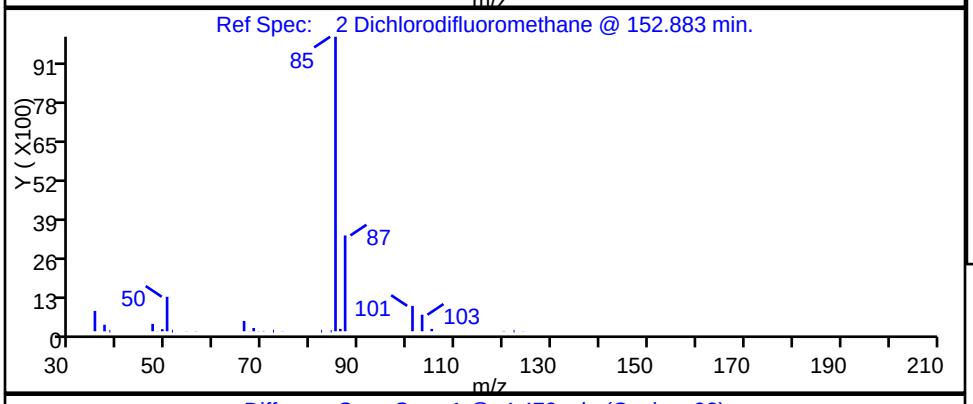
2 Dichlorodifluoromethane, CAS: 75-71-8

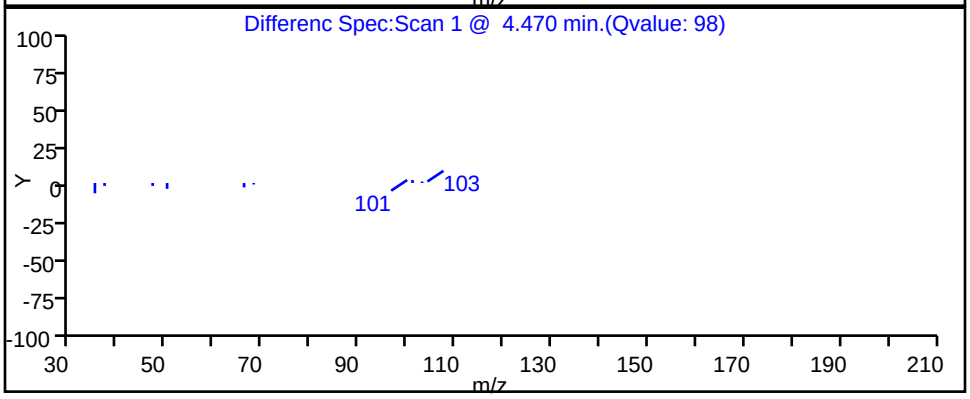












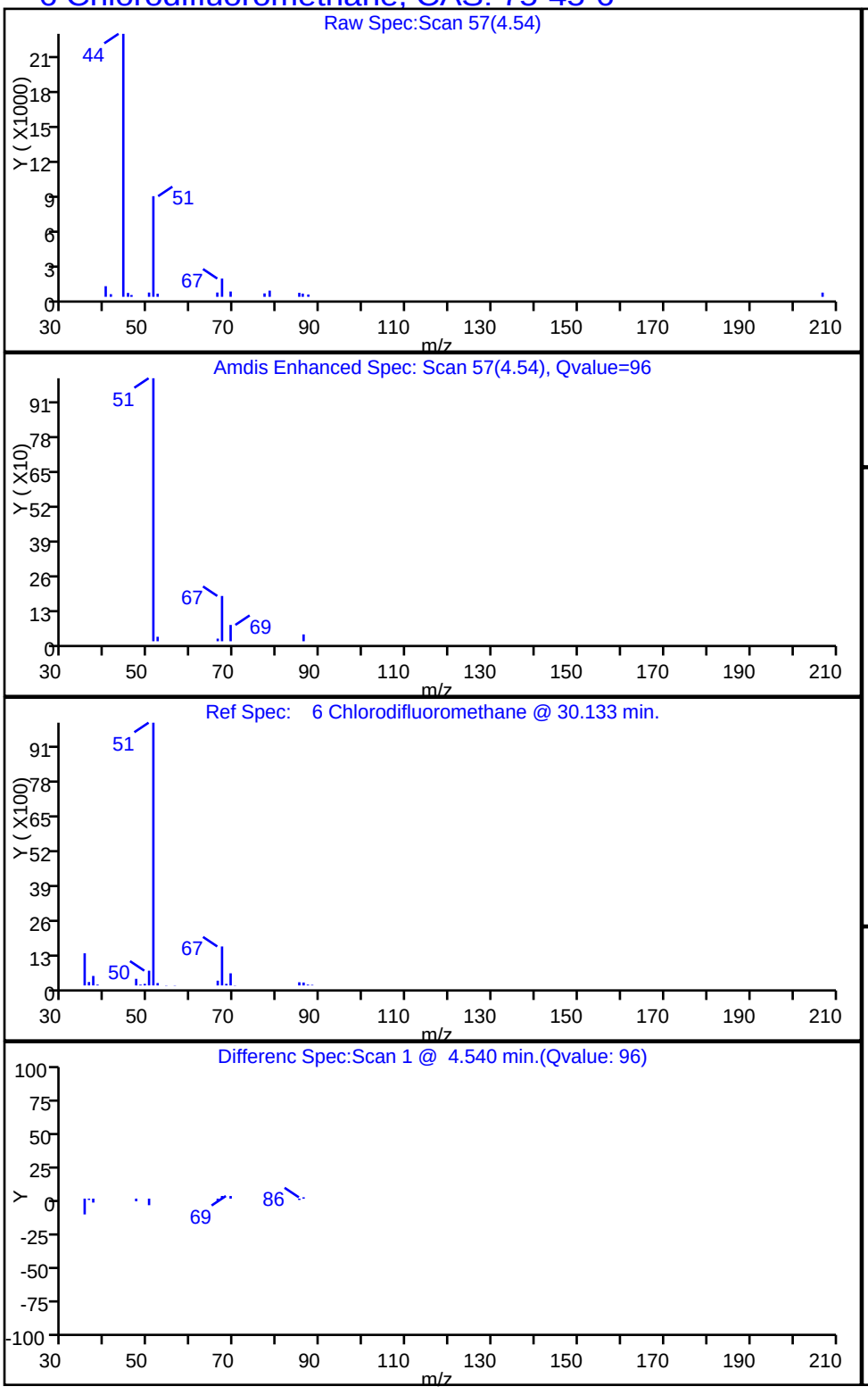
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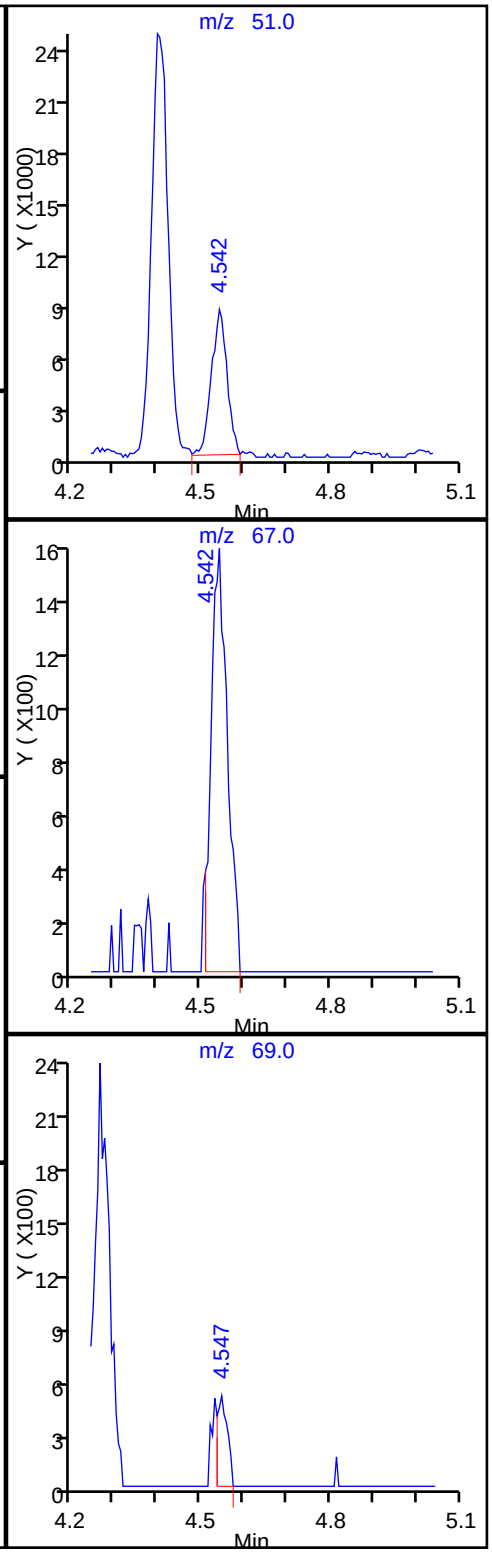
TestAmerica Burlington

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Injection Date:	31-Oct-2014 19:42:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-6	Lab Sample ID:	200-61460-6		
Client ID:	101IA0405EA				
Operator ID:	BPL	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6

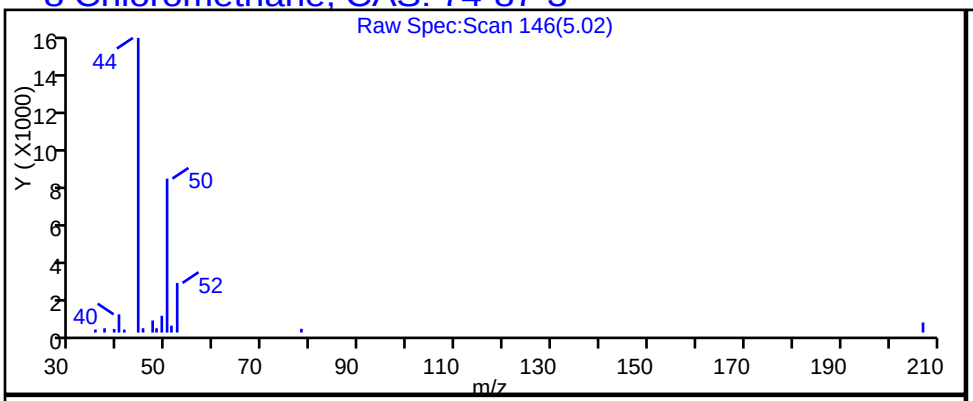


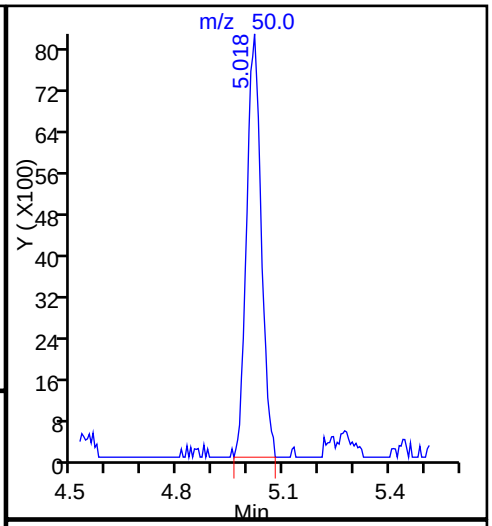


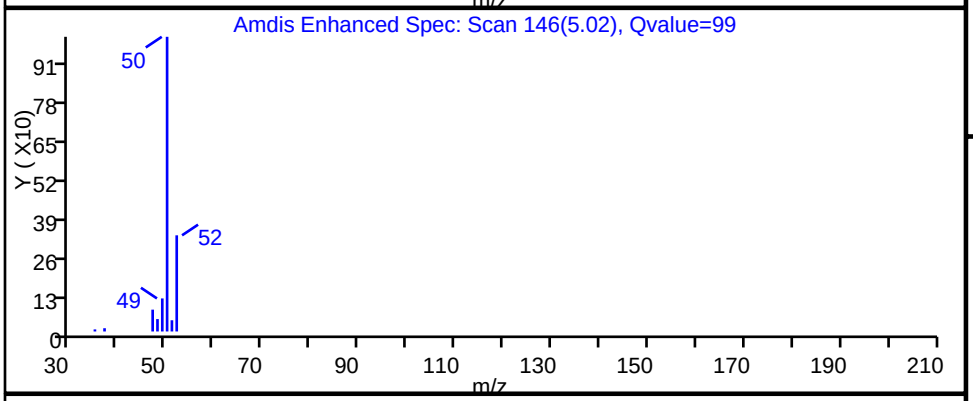
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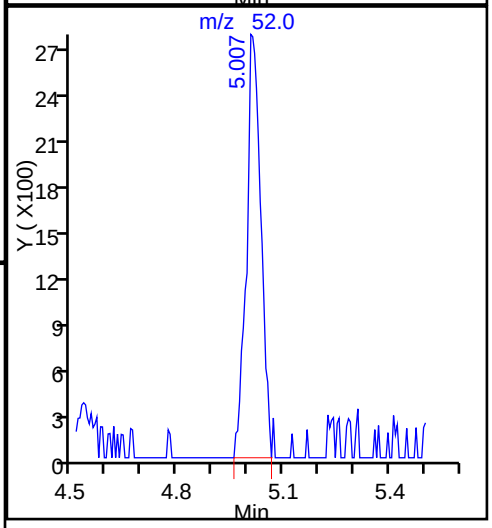
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Client ID:	101IA0405EA				
Operator ID:	BPL	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

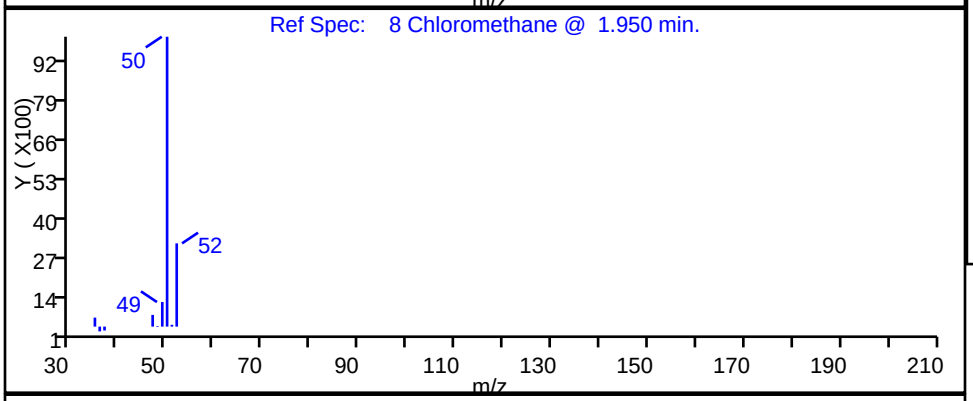
8 Chloromethane, CAS: 74-87-3

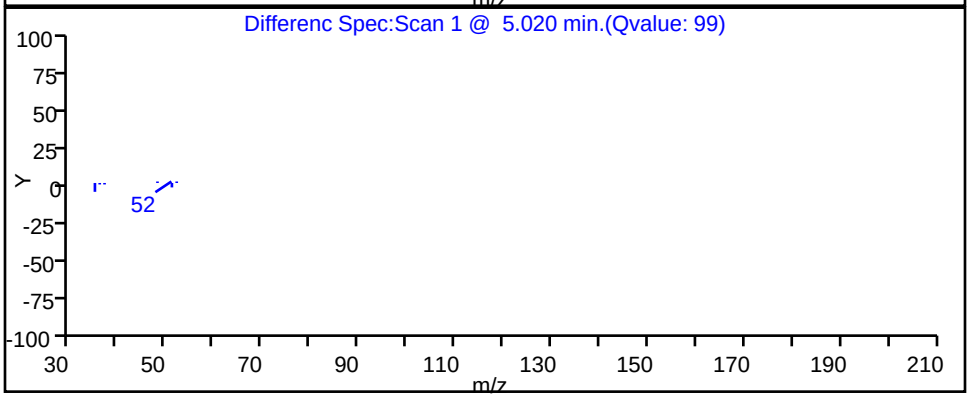












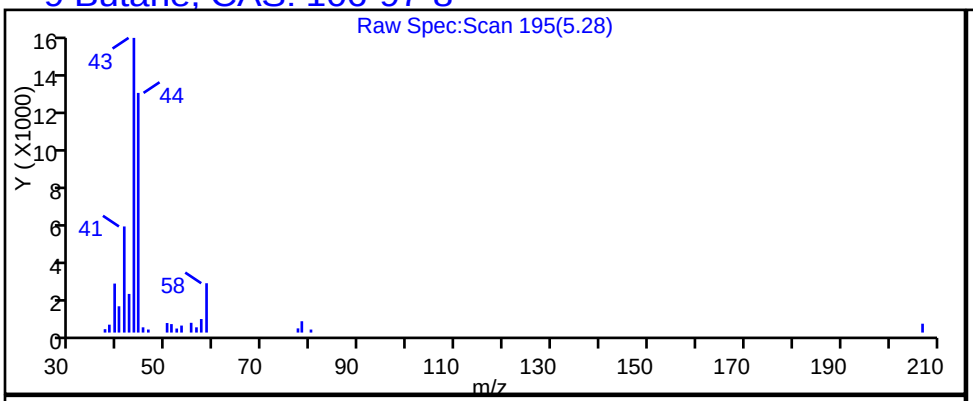
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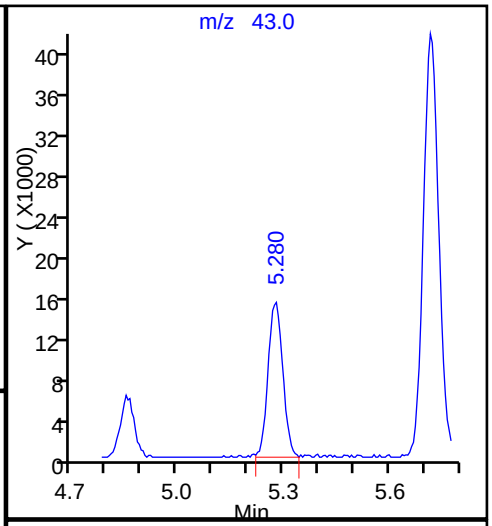
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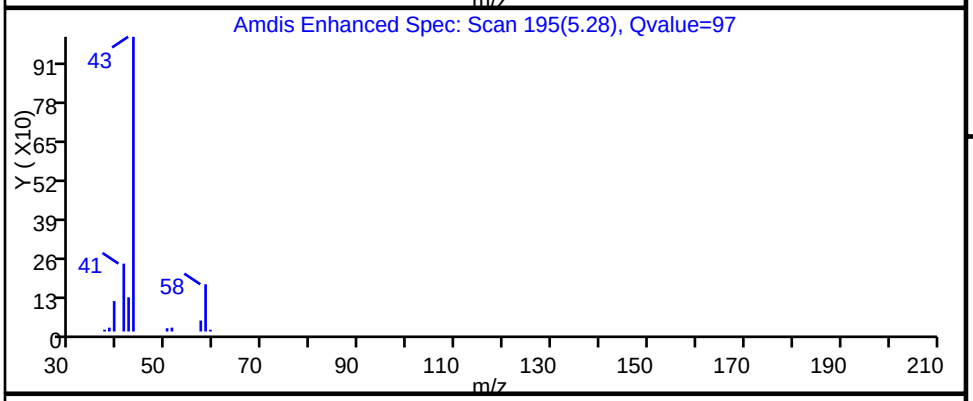
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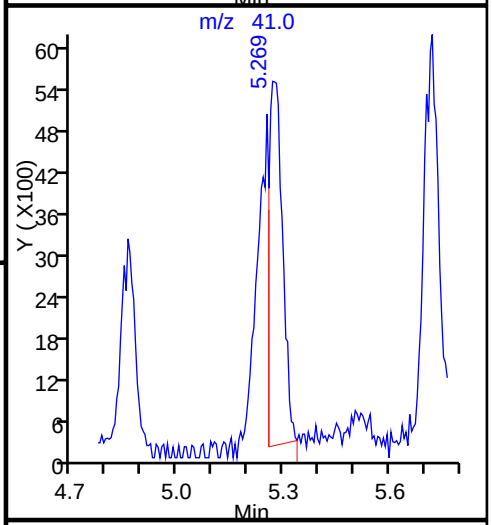
Injection Date:	31-Oct-2014 19:42:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-6	Lab Sample ID:	200-61460-6		
Client ID:	101IA0405EA				
Operator ID:	BPL	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

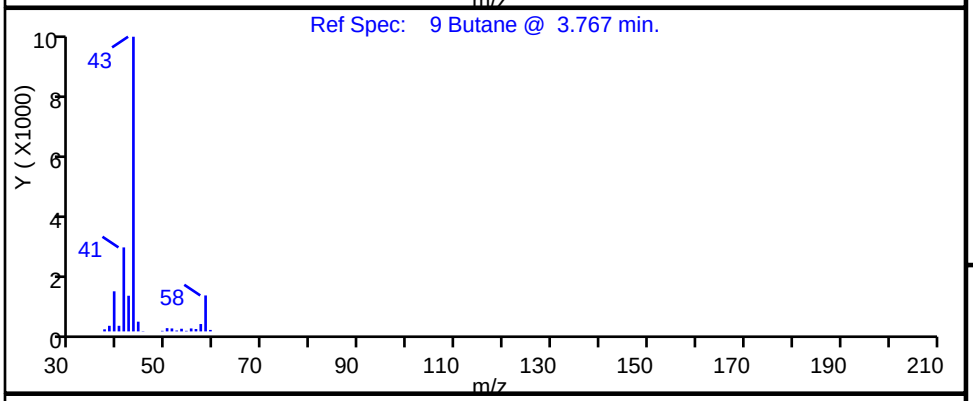
9 Butane, CAS: 106-97-8

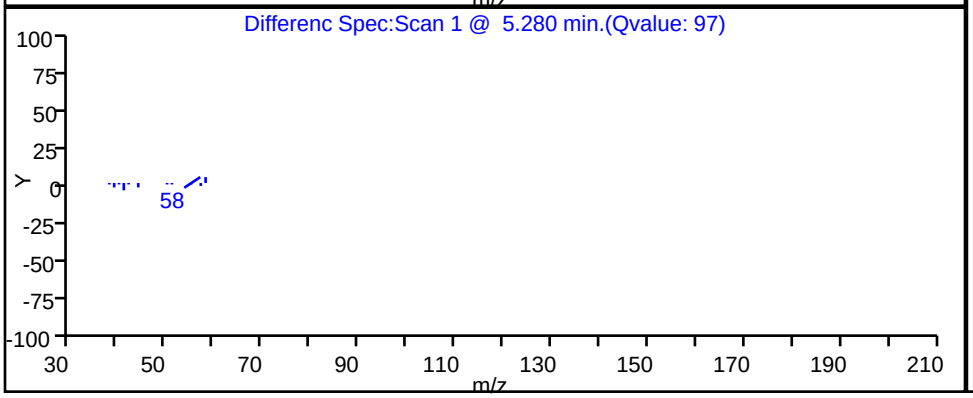


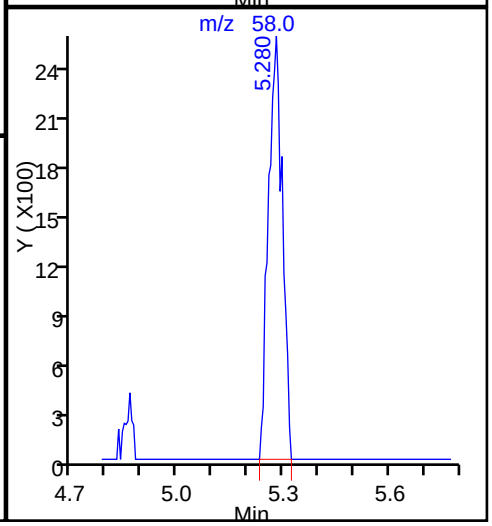












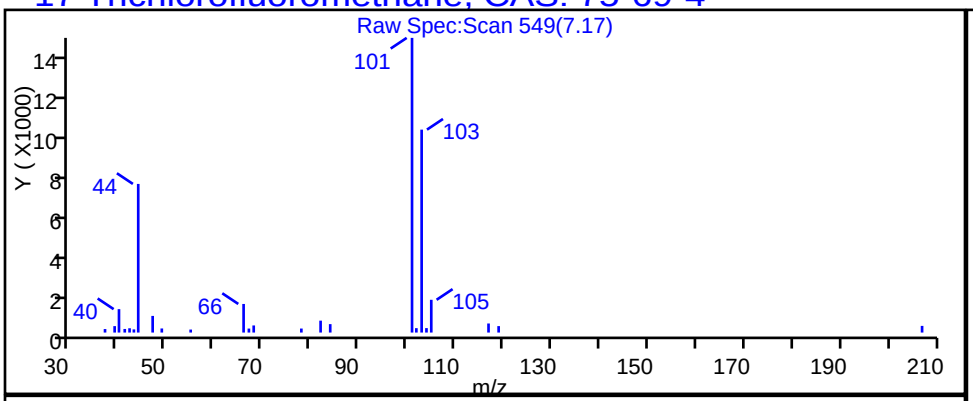
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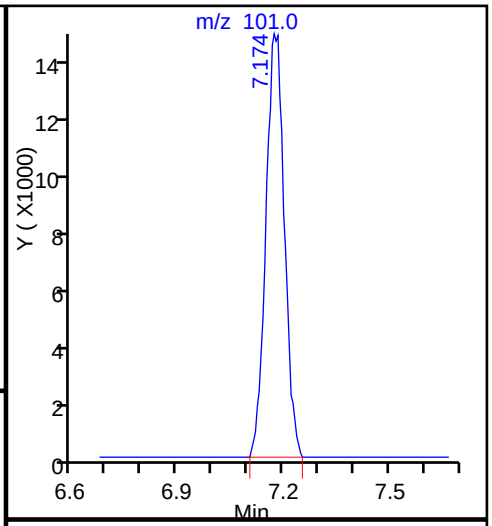
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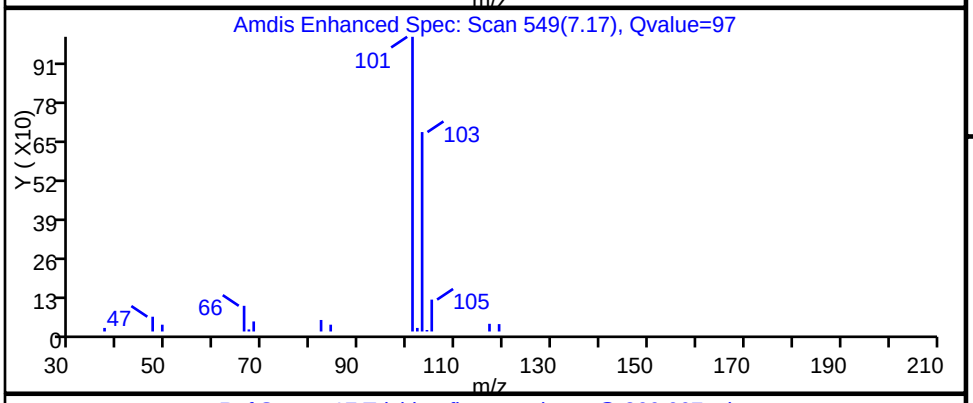
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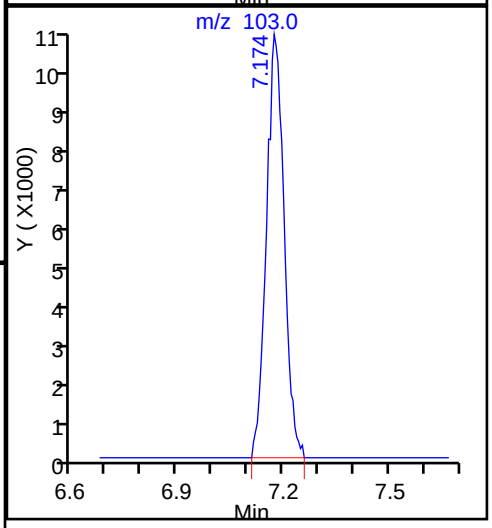
Injection Date:	31-Oct-2014 19:42:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-6	Lab Sample ID:	200-61460-6		
Client ID:	101IA0405EA				
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Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

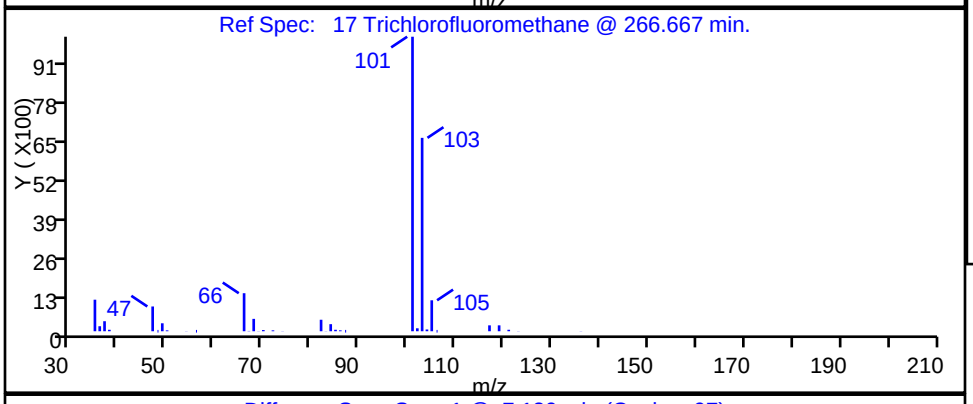
17 Trichlorofluoromethane, CAS: 75-69-4

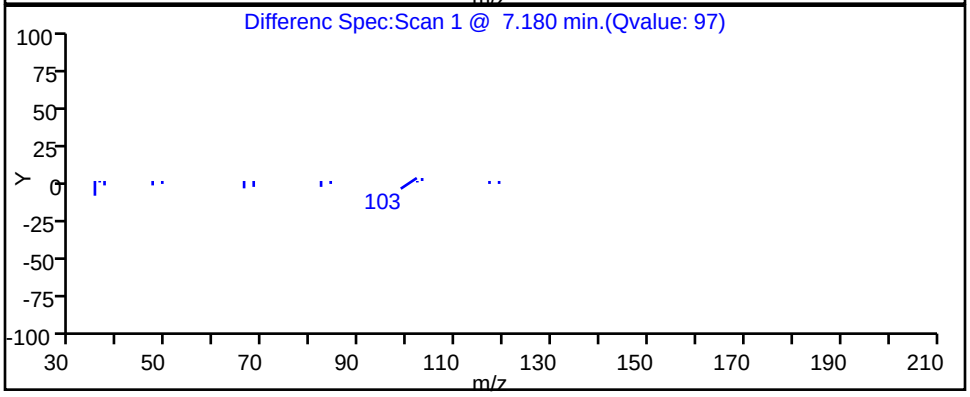










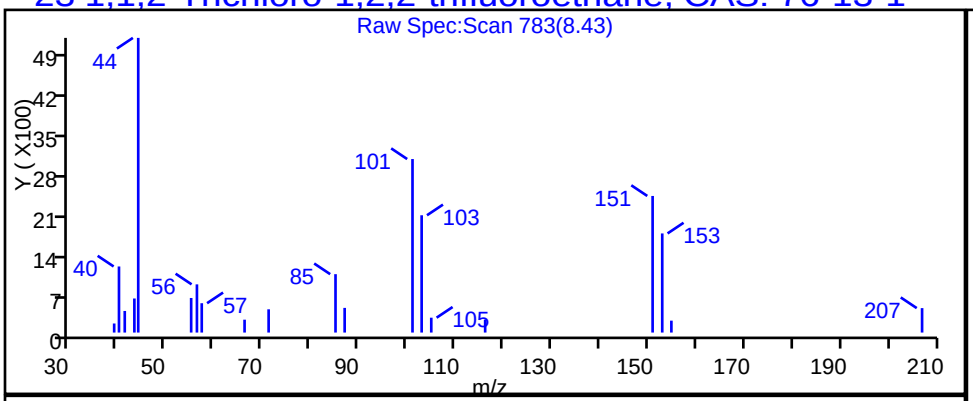


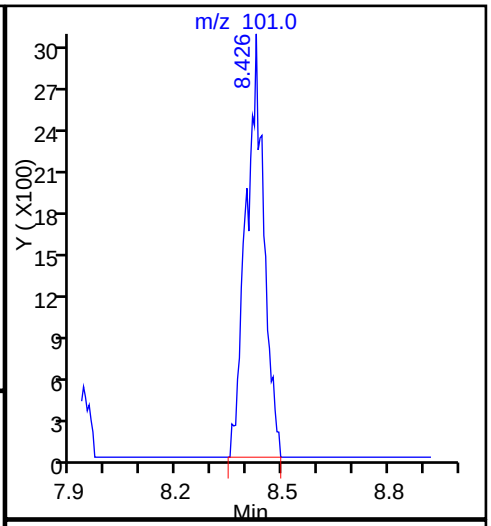
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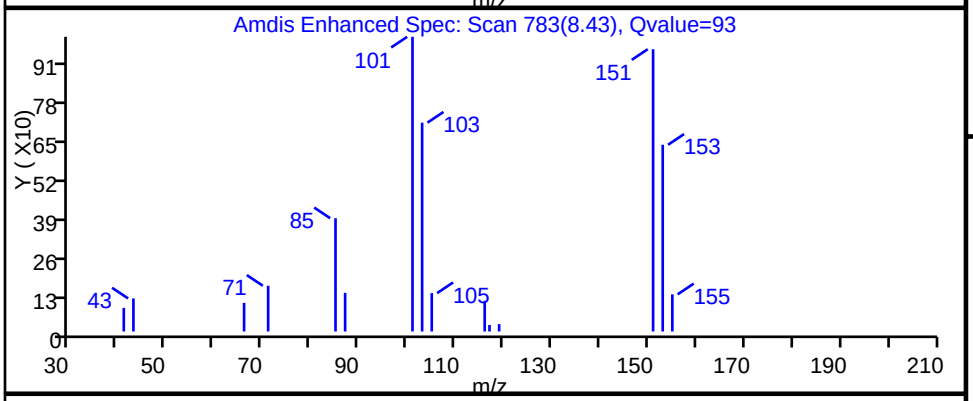
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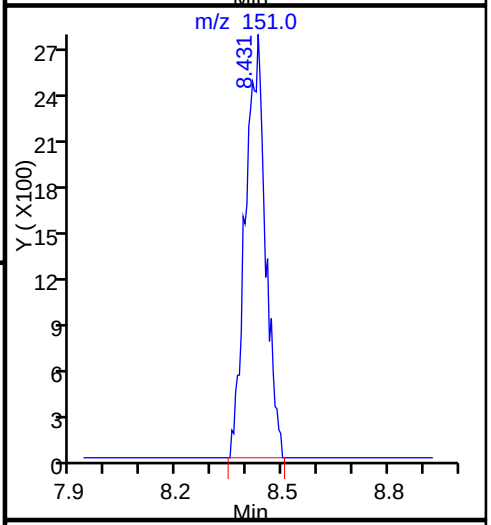
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Injection Date:	31-Oct-2014 19:42:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-6	Lab Sample ID:	200-61460-6		
Client ID:	101IA0405EA				
Operator ID:	BPL	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

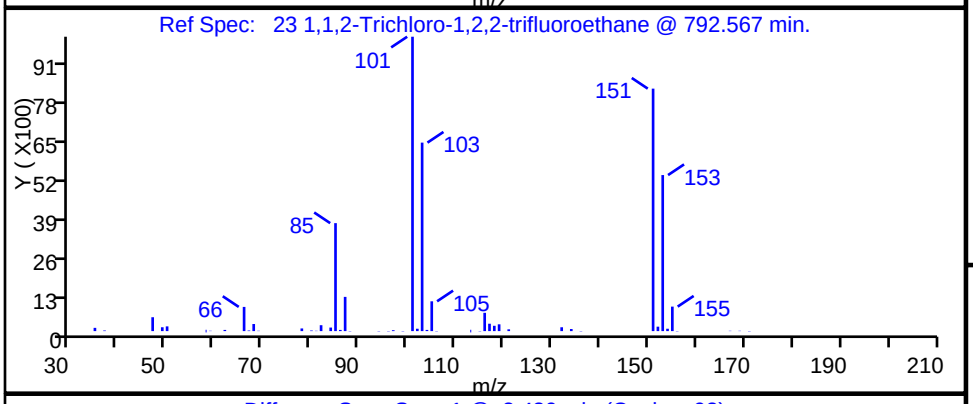
23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

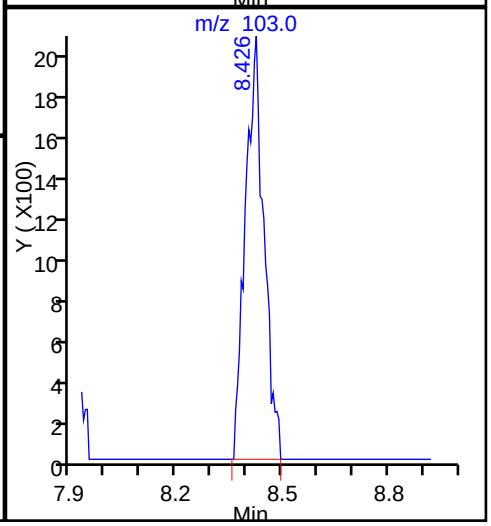


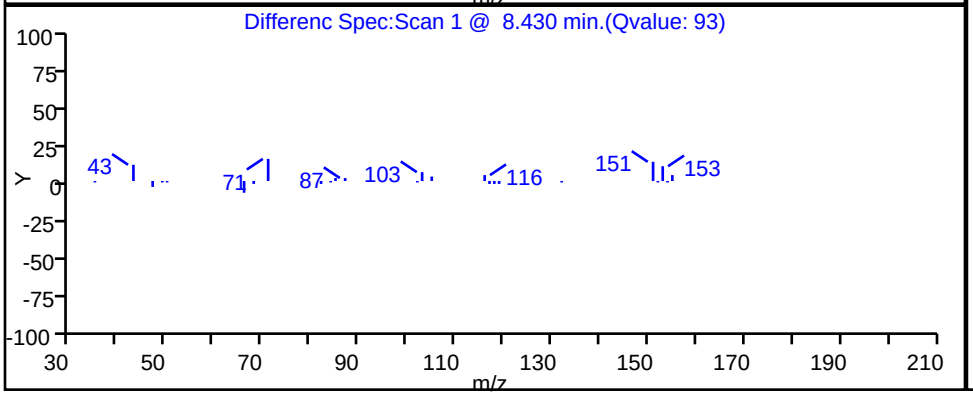








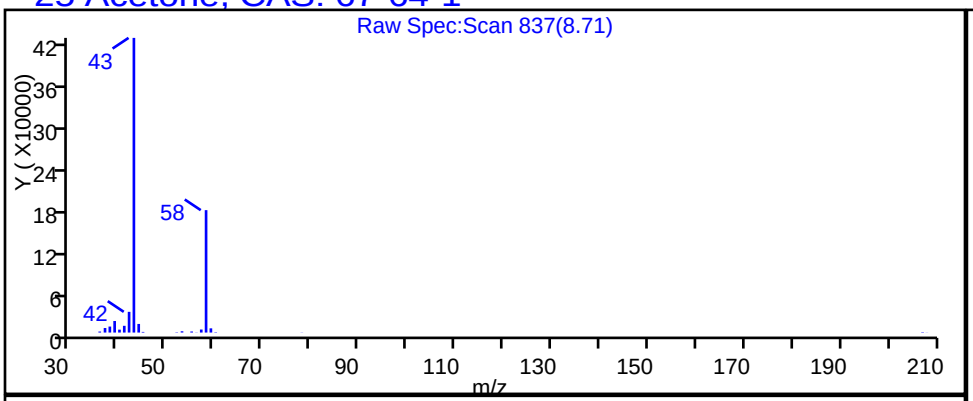


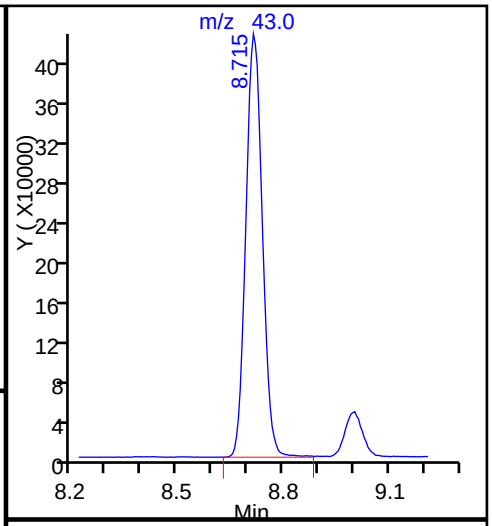


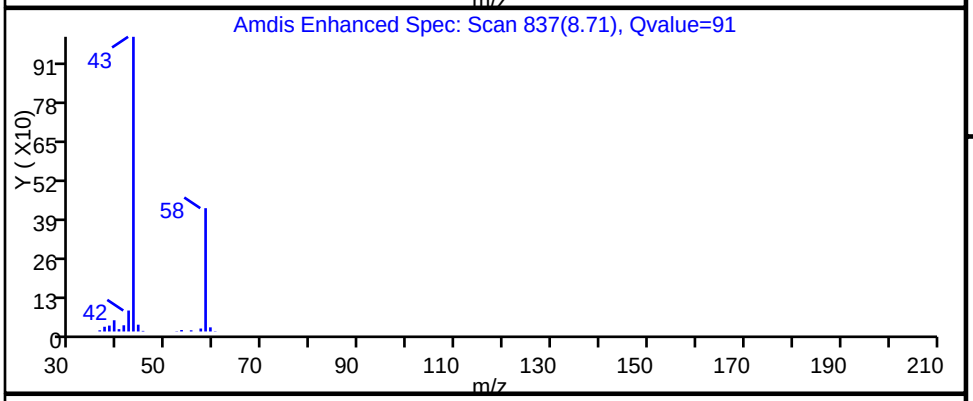
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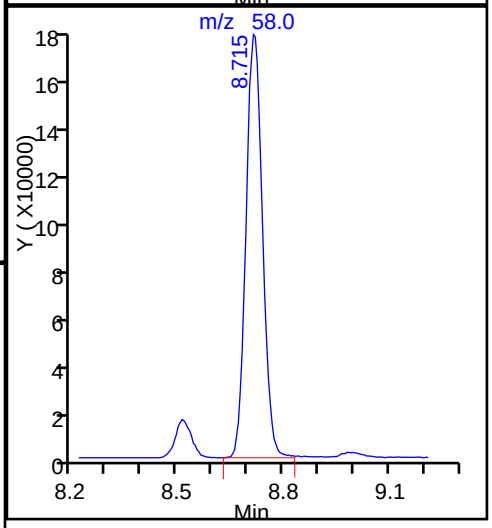
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Injection Date:	31-Oct-2014 19:42:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-6	Lab Sample ID:	200-61460-6		
Client ID:	101IA0405EA				
Operator ID:	BPL	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

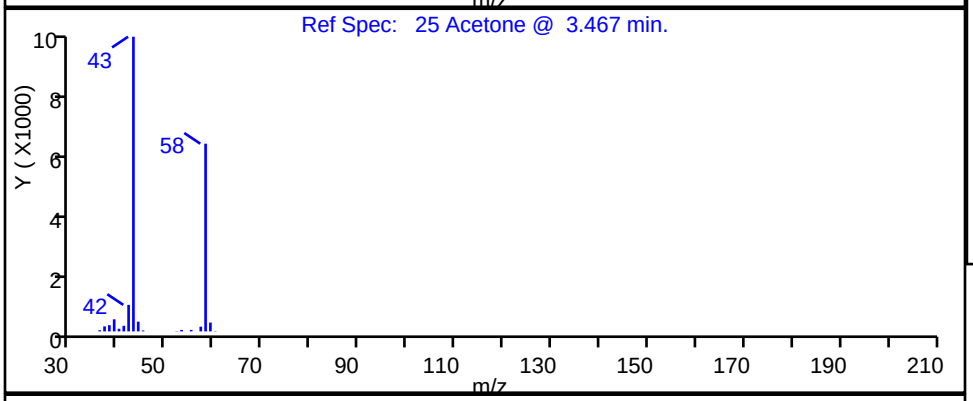
25 Acetone, CAS: 67-64-1

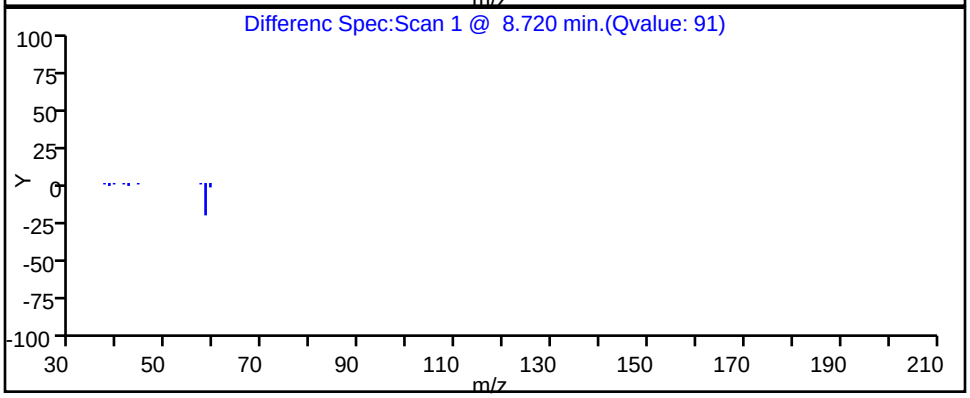












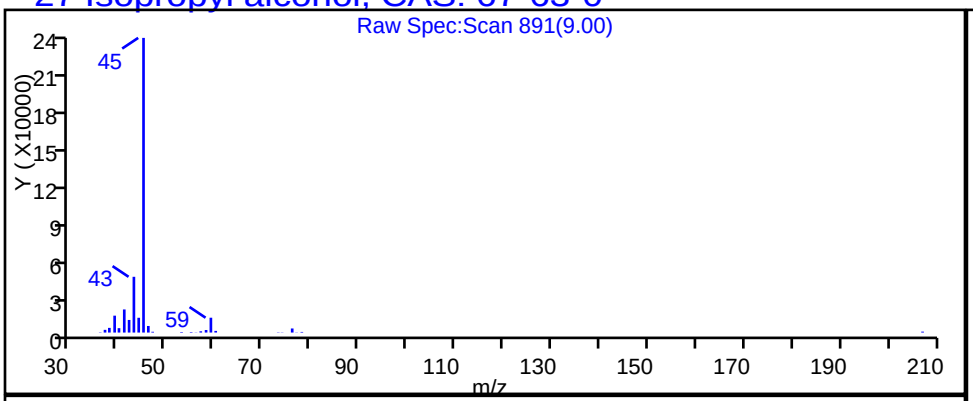
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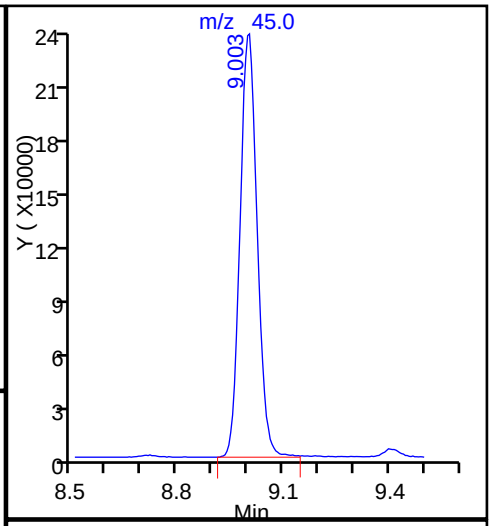
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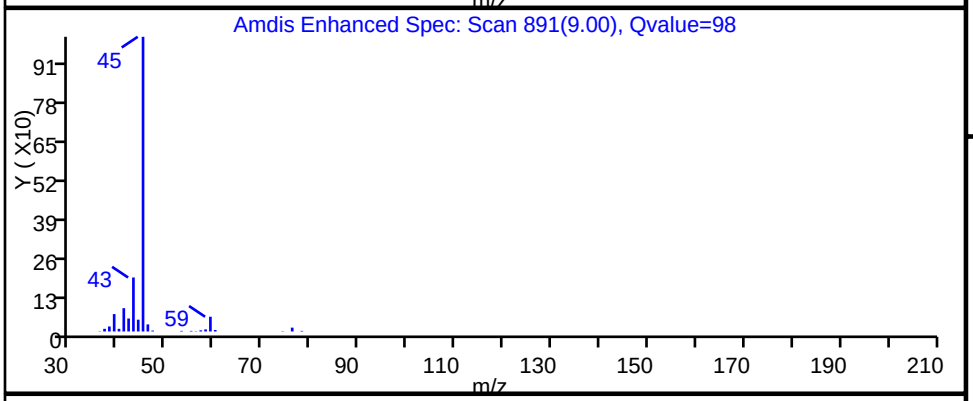
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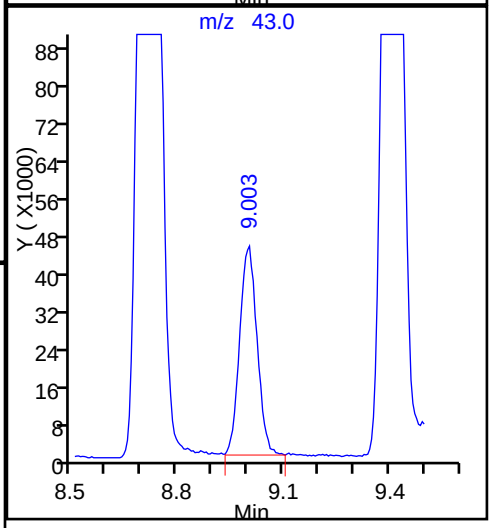
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Lims ID:	280-61460-A-6	Lab Sample ID:	200-61460-6		
Client ID:	101IA0405EA				
Operator ID:	BPL	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

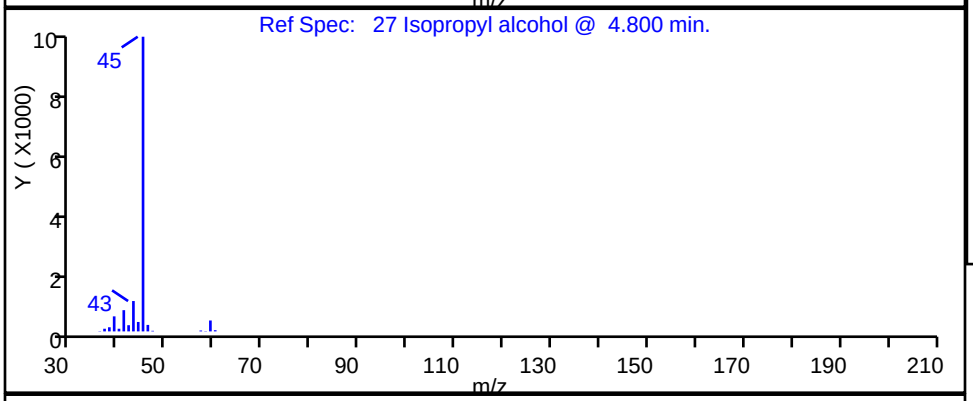
27 Isopropyl alcohol, CAS: 67-63-0

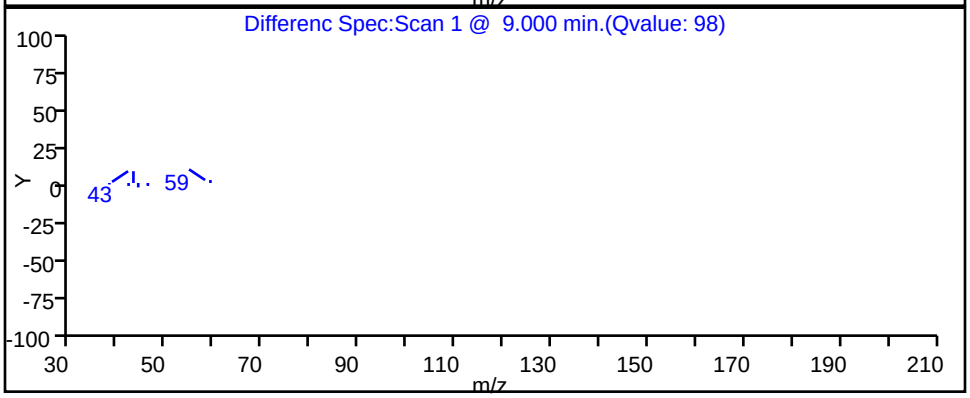












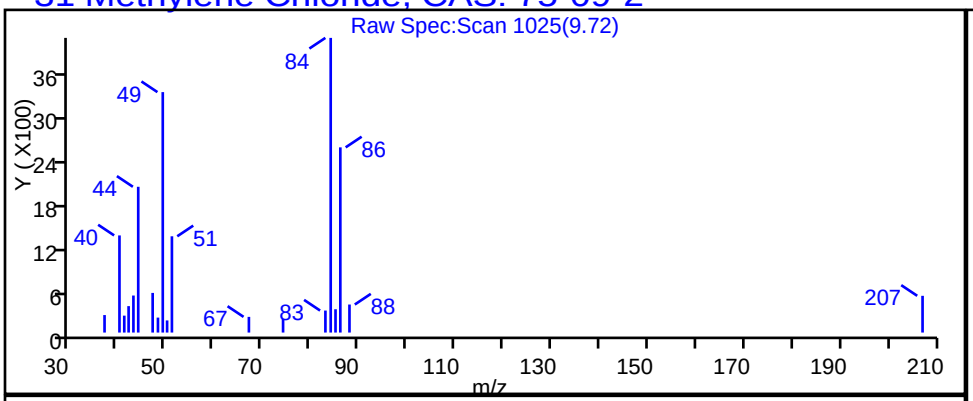
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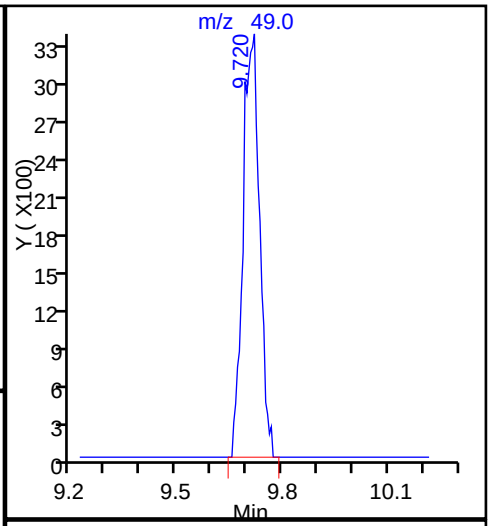
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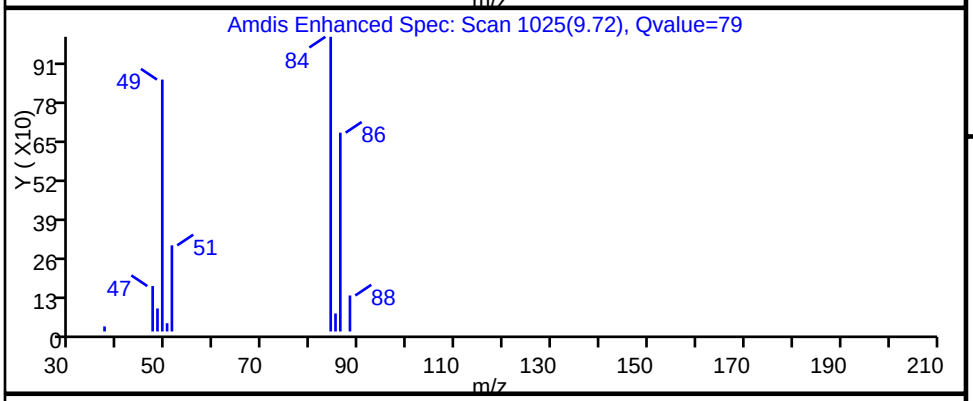
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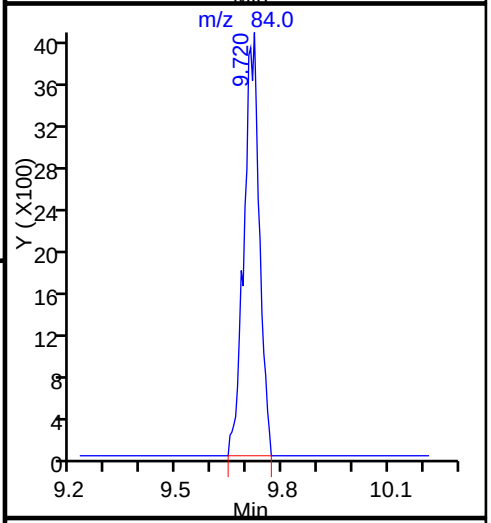
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Lims ID:	280-61460-A-6	Lab Sample ID:	200-61460-6		
Client ID:	101IA0405EA				
Operator ID:	BPL	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

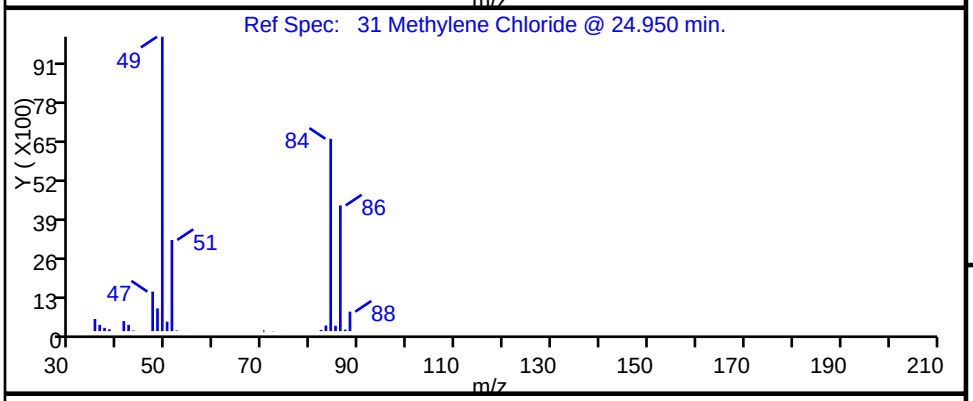
31 Methylene Chloride, CAS: 75-09-2

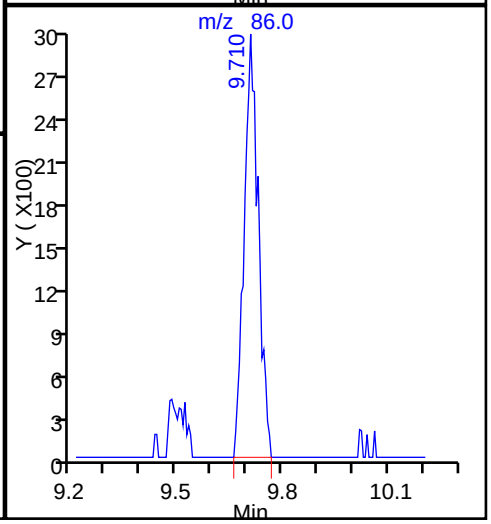


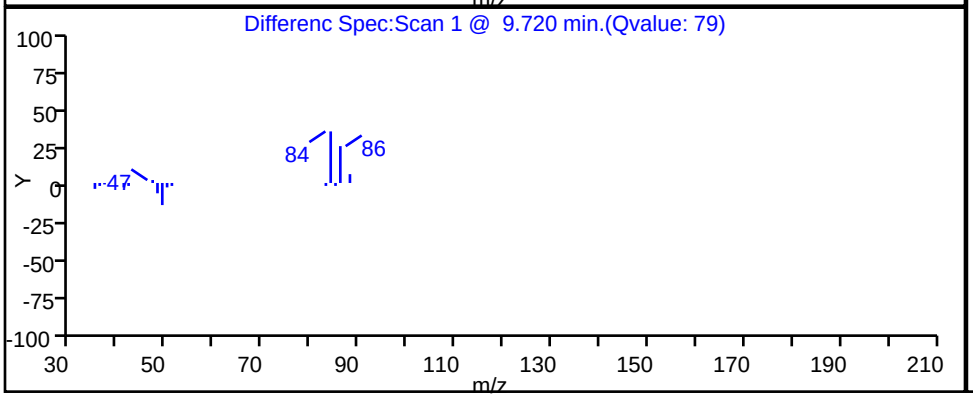












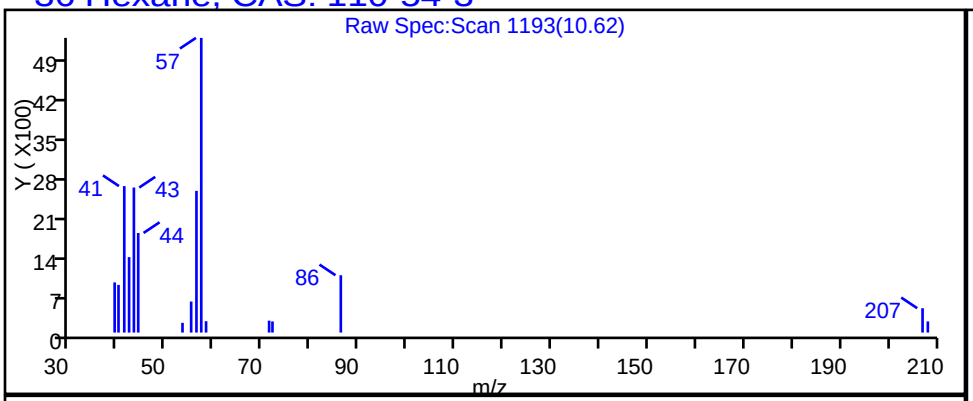
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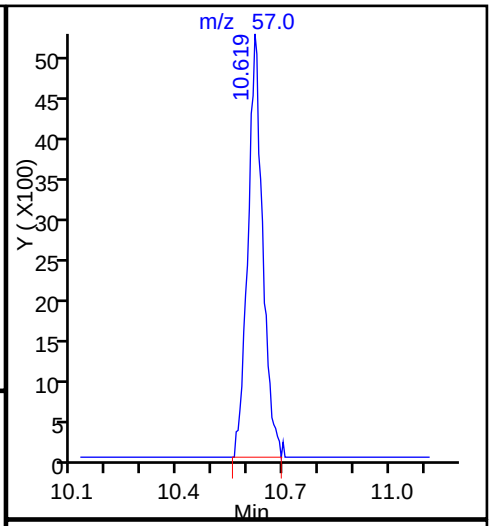
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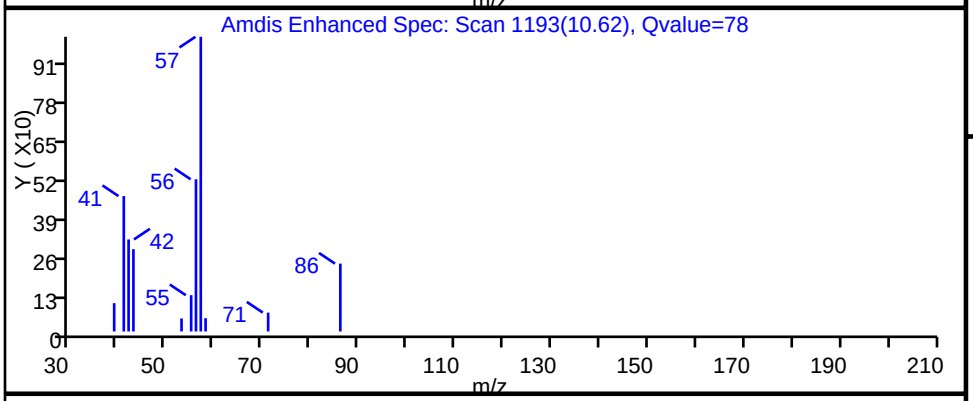
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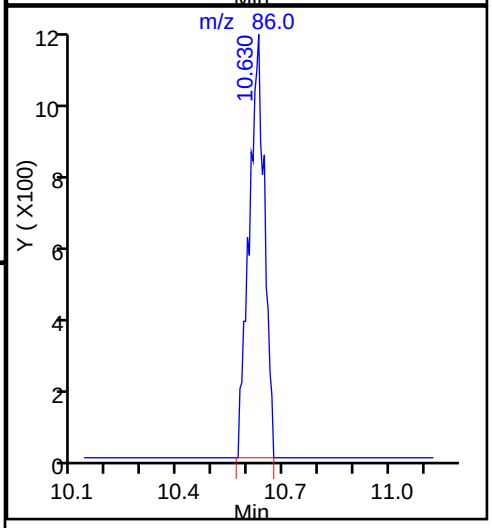
Injection Date:	31-Oct-2014 19:42:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-6	Lab Sample ID:	200-61460-6		
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Operator ID:	BPL	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

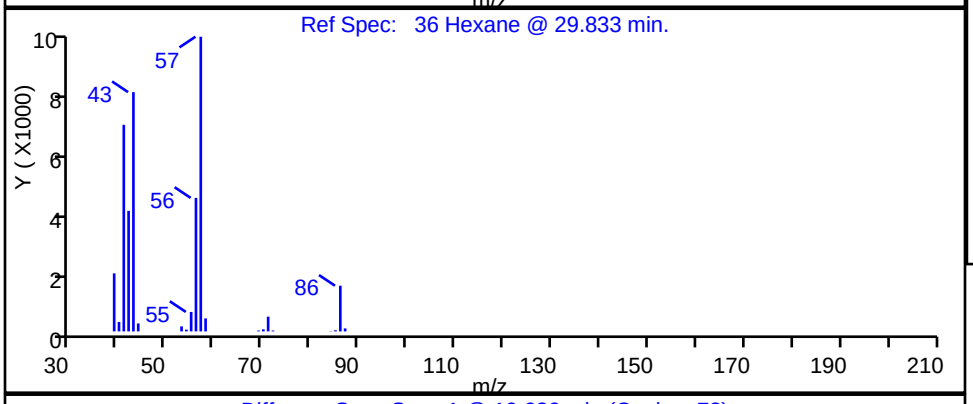
36 Hexane, CAS: 110-54-3

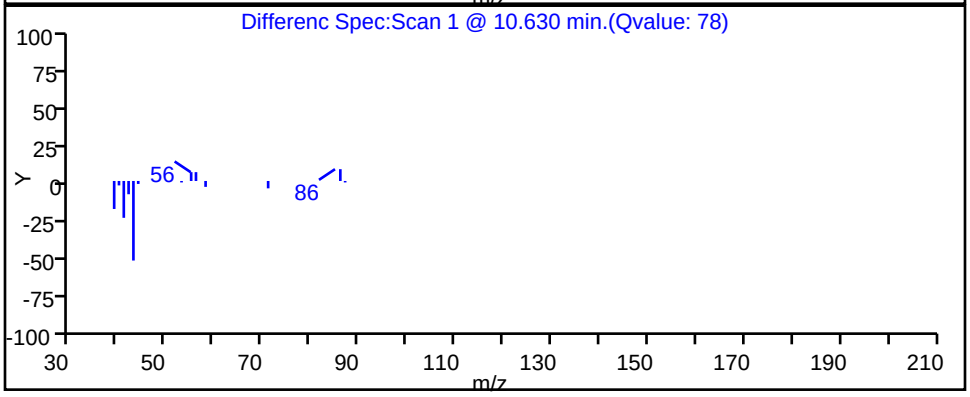












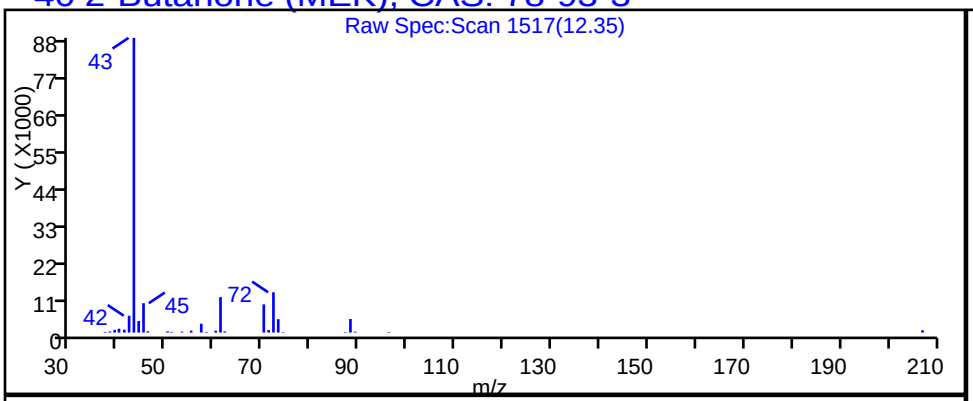
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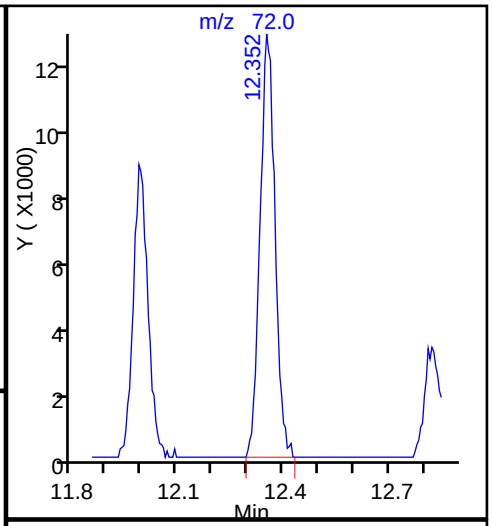
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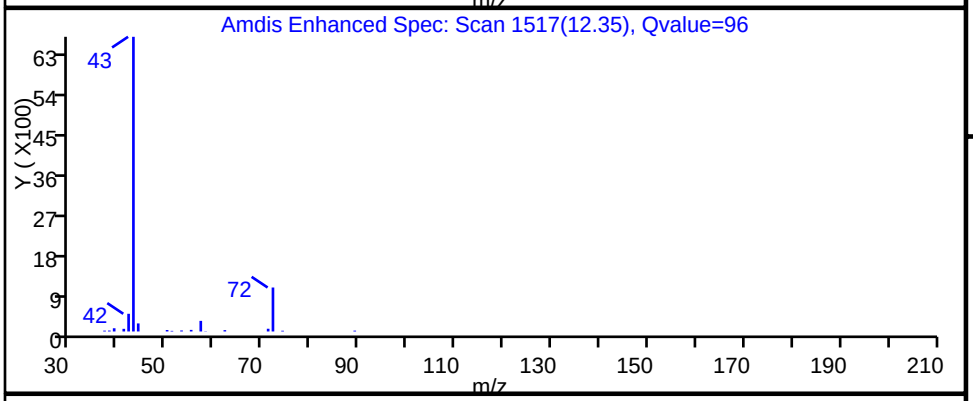
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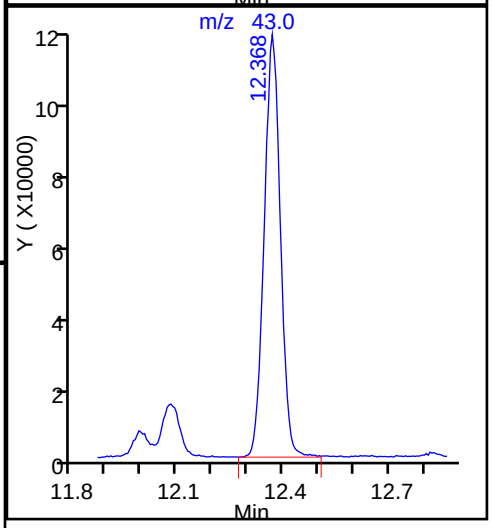
Injection Date:	31-Oct-2014 19:42:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-6	Lab Sample ID:	200-61460-6		
Client ID:	101IA0405EA				
Operator ID:	BPL	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

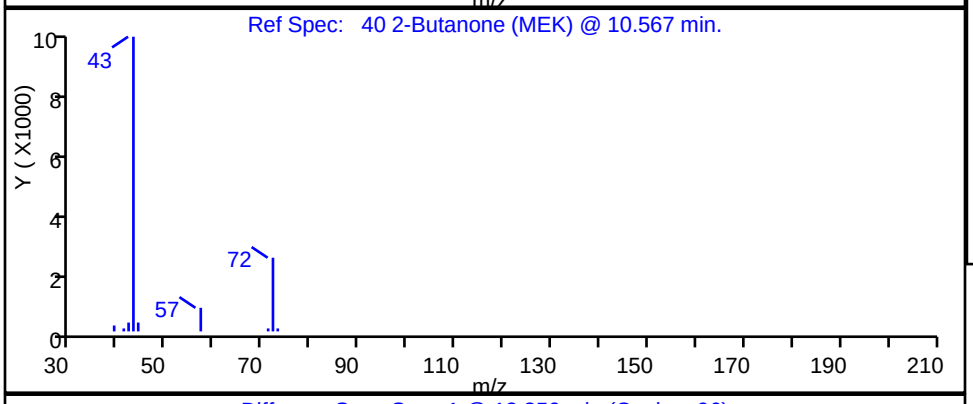
40 2-Butanone (MEK), CAS: 78-93-3

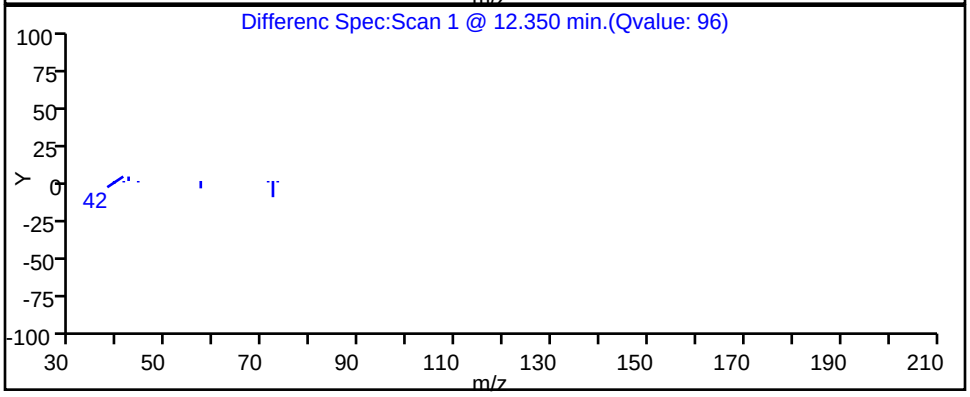








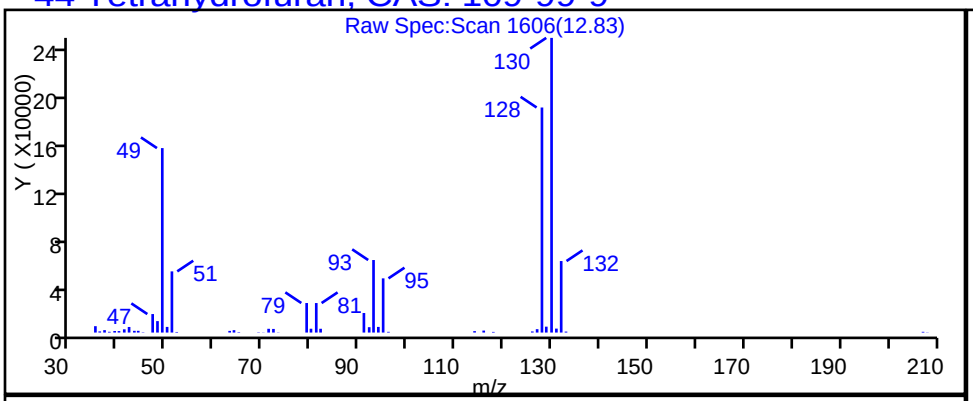


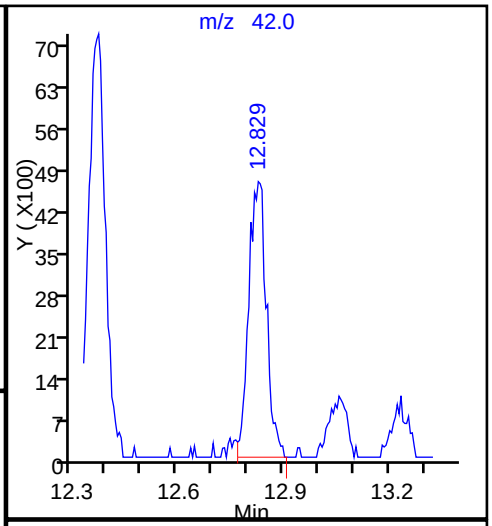


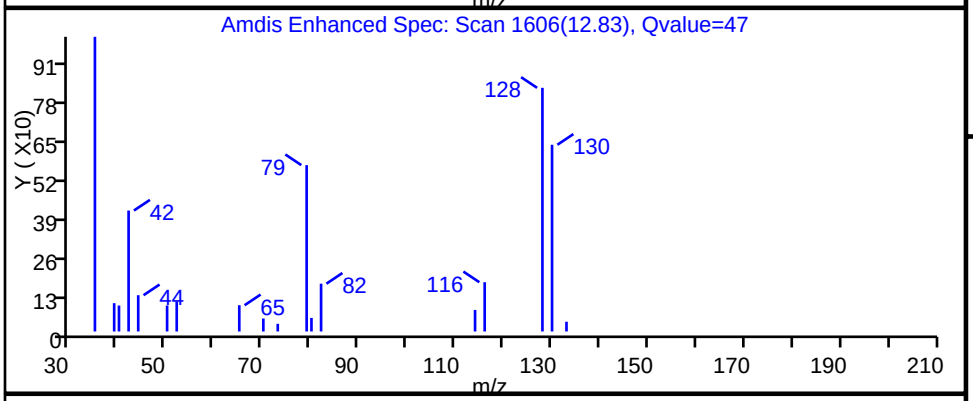
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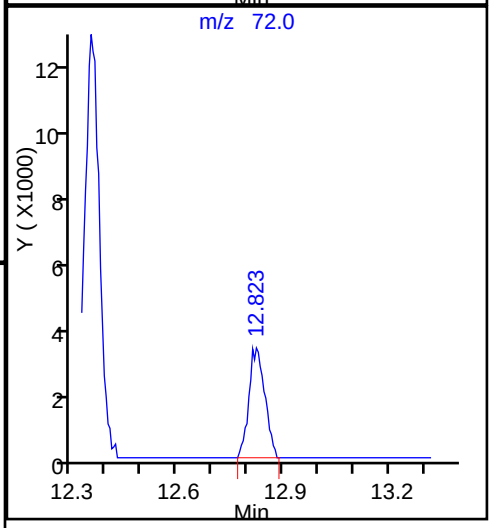
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Injection Date:	31-Oct-2014 19:42:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-6	Lab Sample ID:	200-61460-6		
Client ID:	101IA0405EA				
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Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

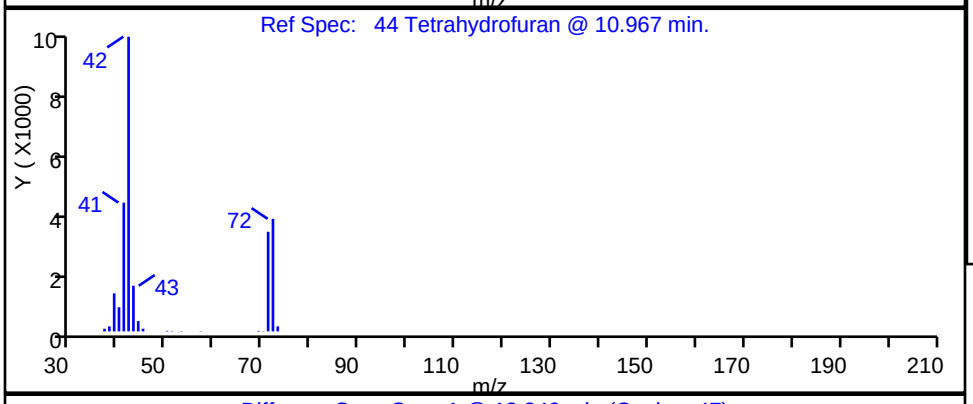
44 Tetrahydrofuran, CAS: 109-99-9

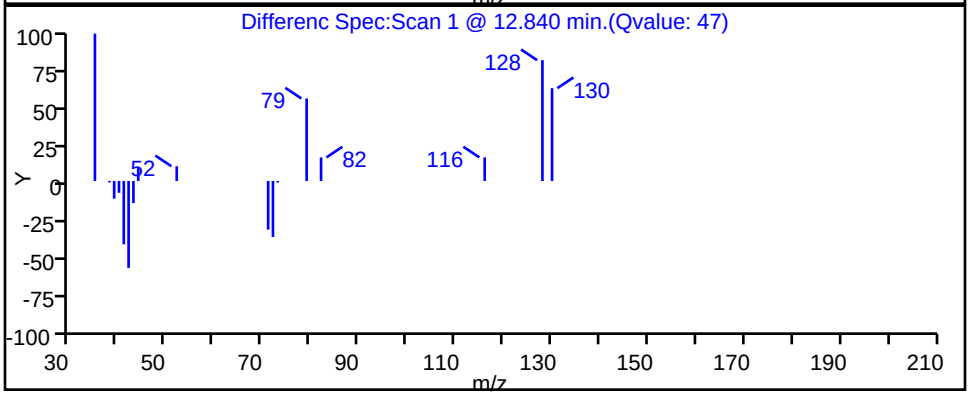












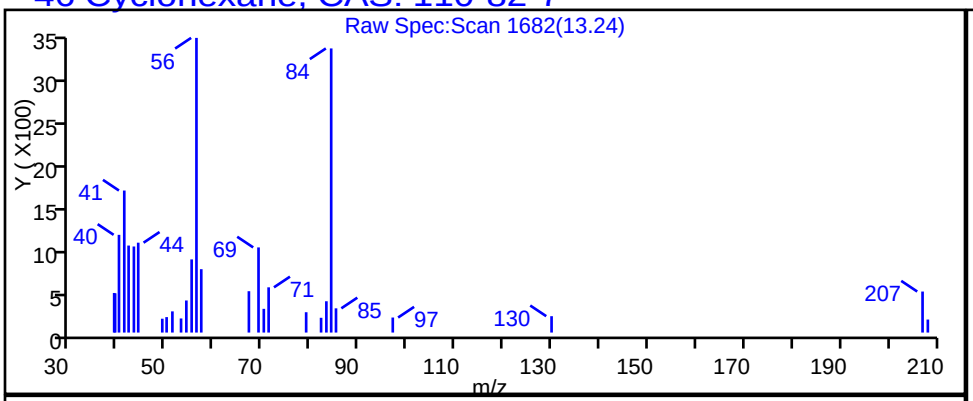
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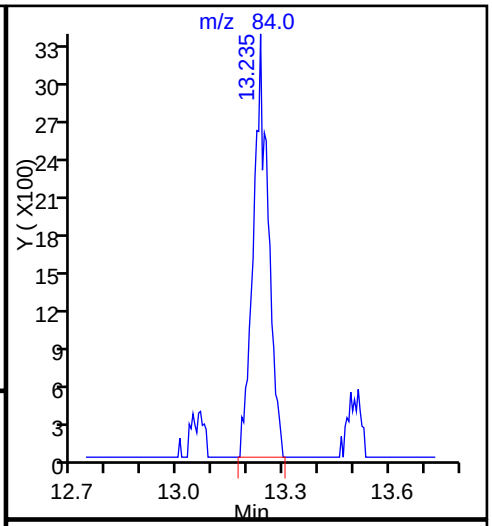
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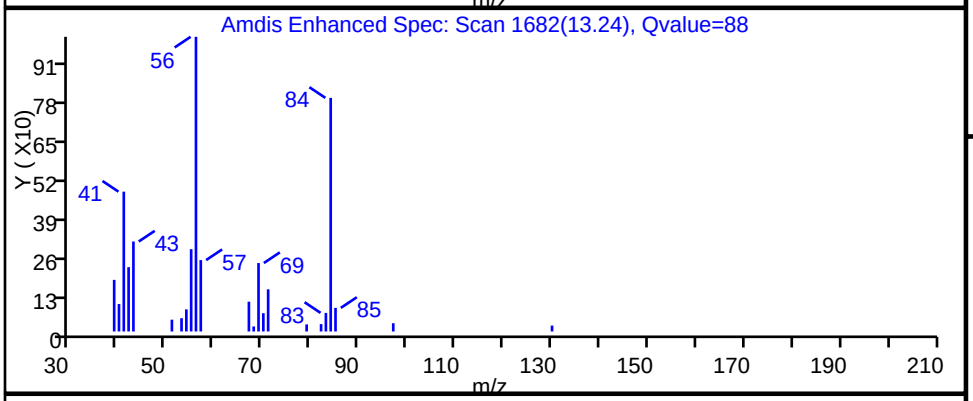
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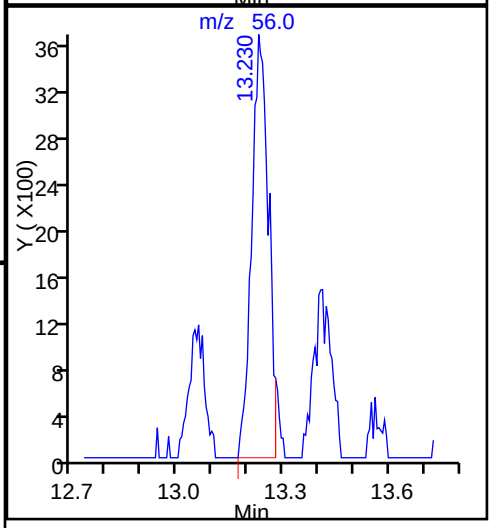
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Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

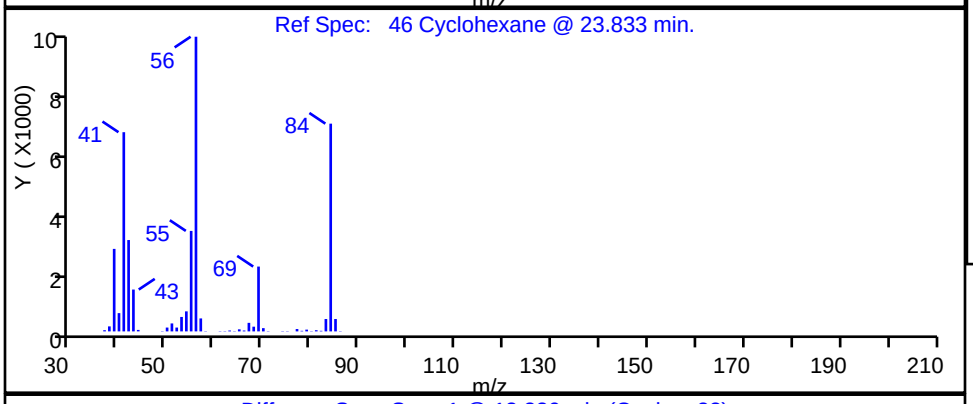
46 Cyclohexane, CAS: 110-82-7

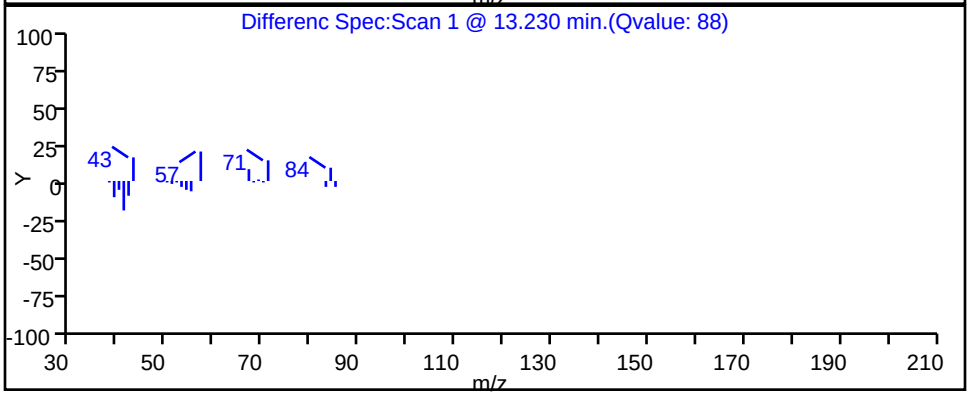








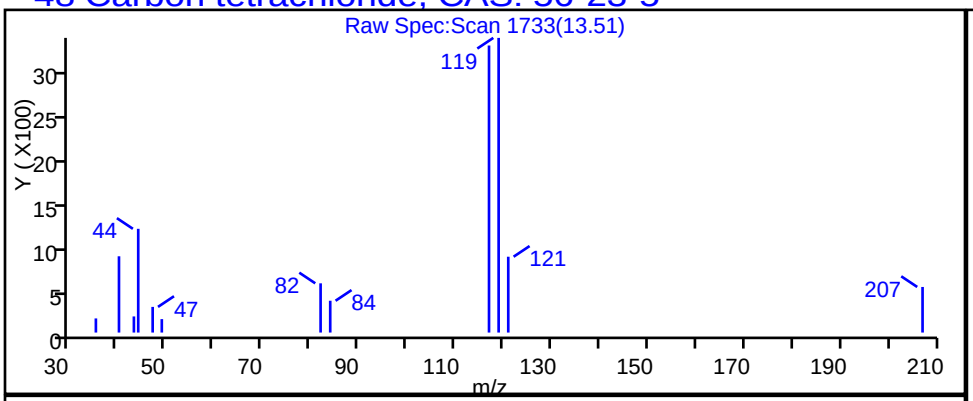


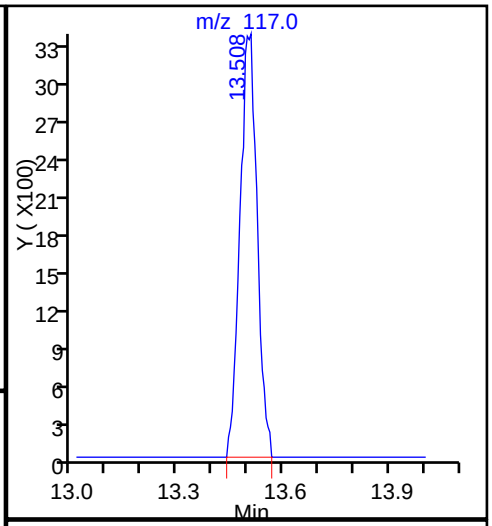


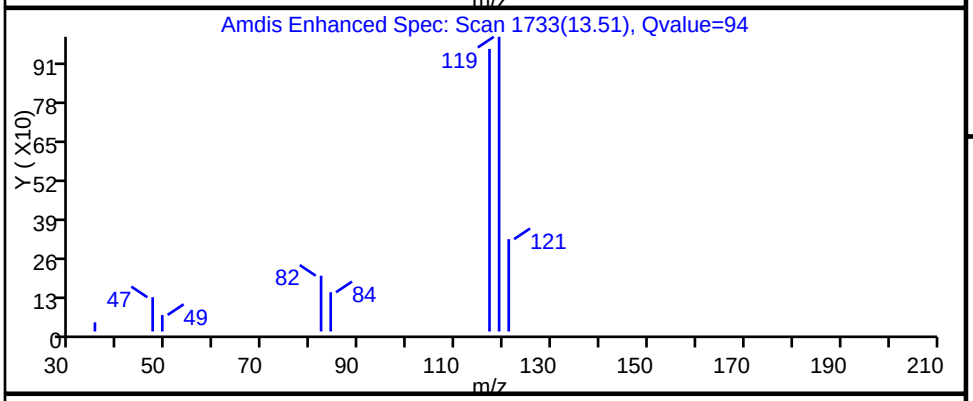
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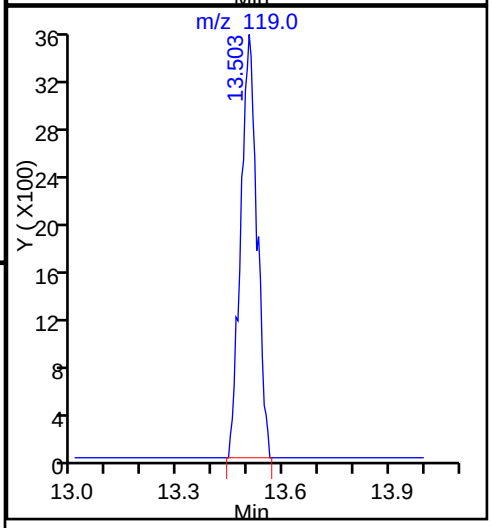
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Injection Date:	31-Oct-2014 19:42:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-6	Lab Sample ID:	200-61460-6		
Client ID:	101IA0405EA				
Operator ID:	BPL	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

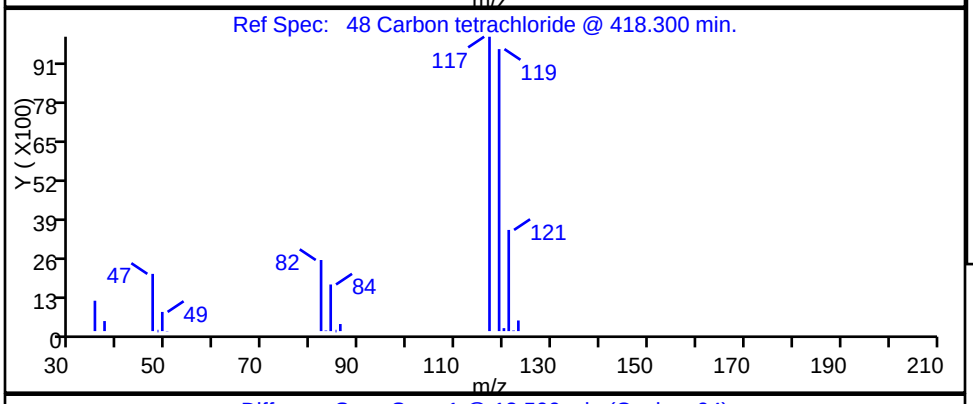
48 Carbon tetrachloride, CAS: 56-23-5

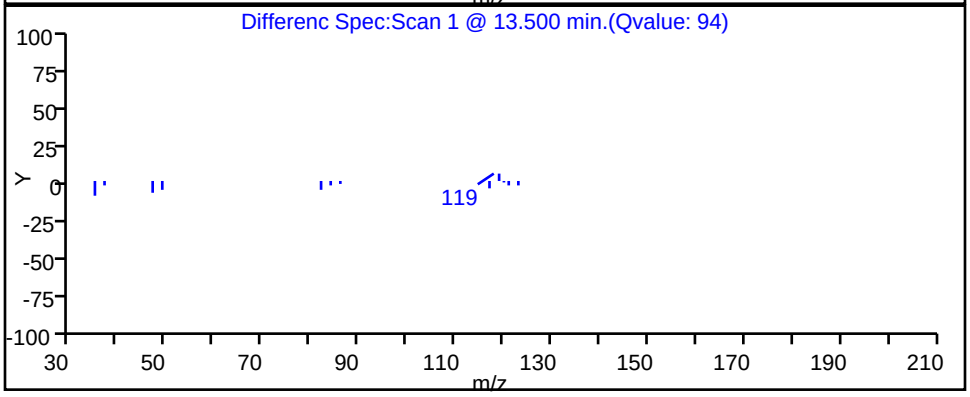








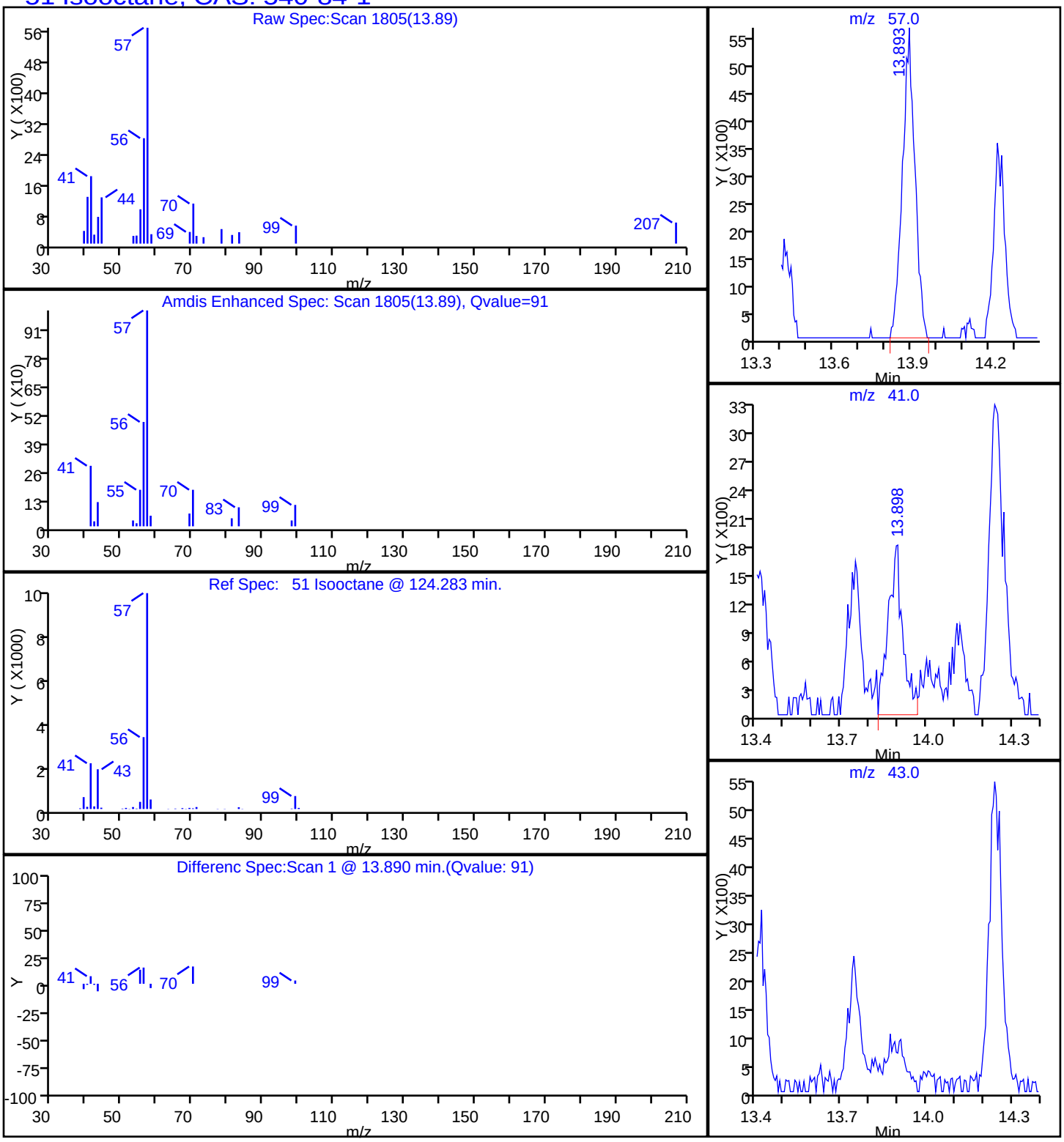




TestAmerica Burlington

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Lims ID:	280-61460-A-6	Lab Sample ID:	200-61460-6		
Client ID:	101IA0405EA				
Operator ID:	BPL	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

51 Isooctane, CAS: 540-84-1



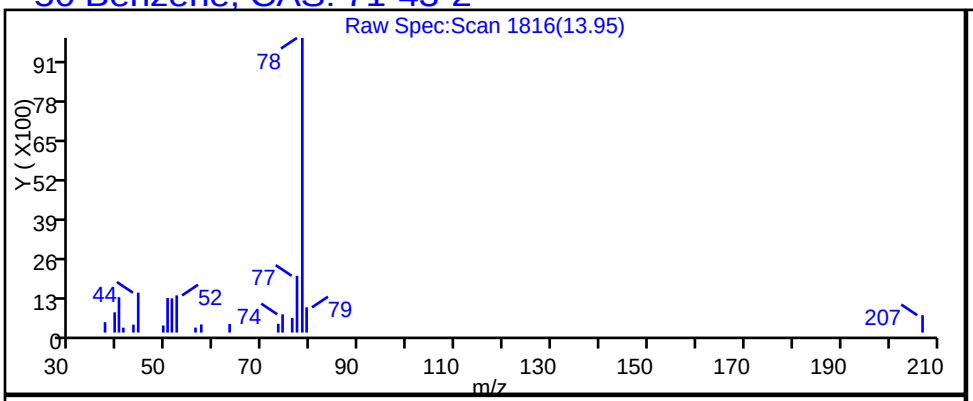
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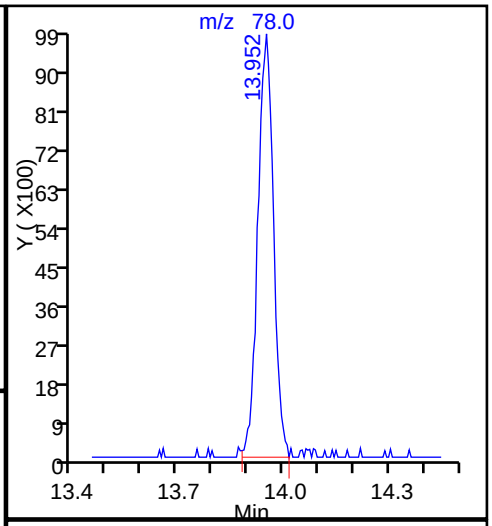
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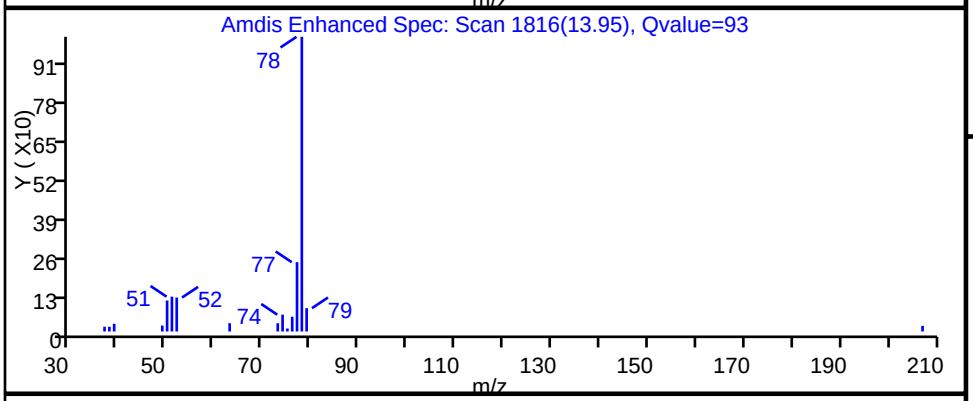
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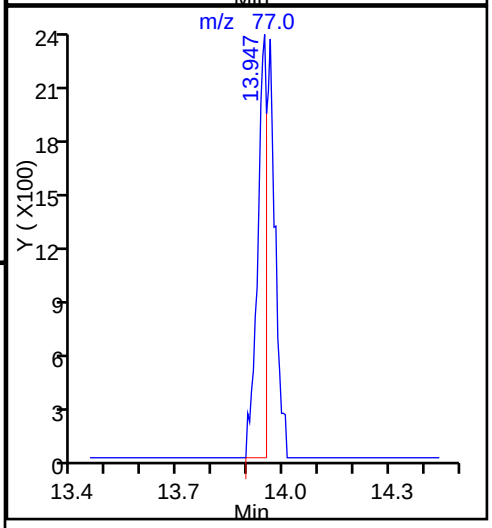
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Lims ID:	280-61460-A-6	Lab Sample ID:	200-61460-6		
Client ID:	101IA0405EA				
Operator ID:	BPL	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

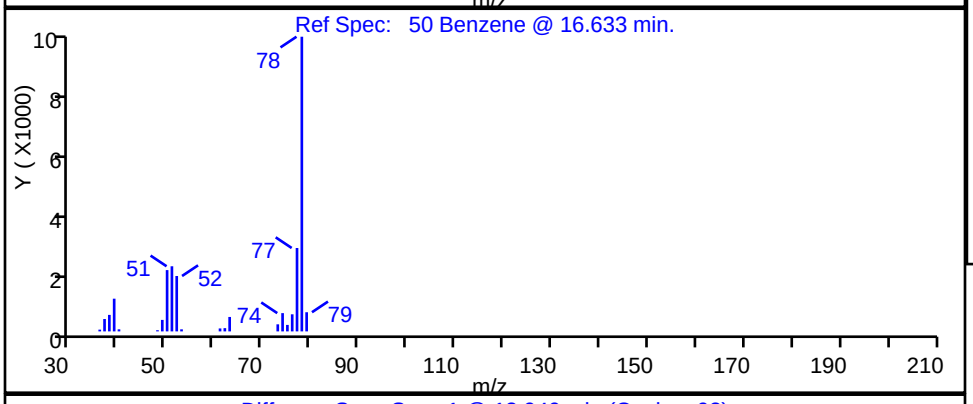
50 Benzene, CAS: 71-43-2

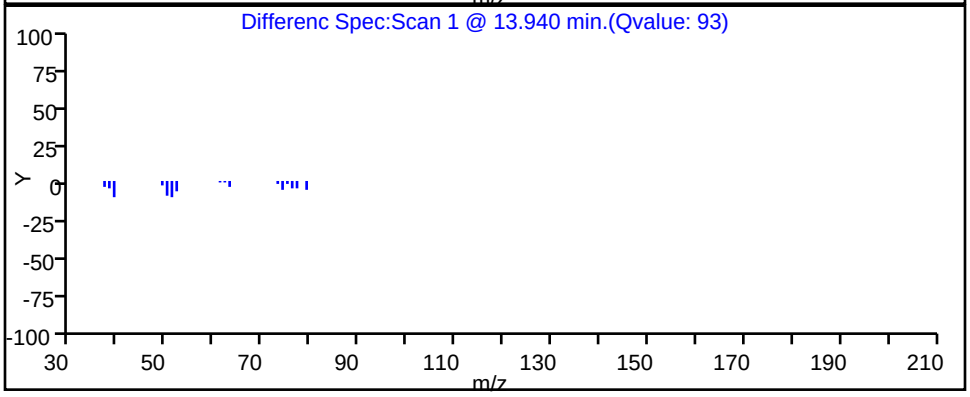












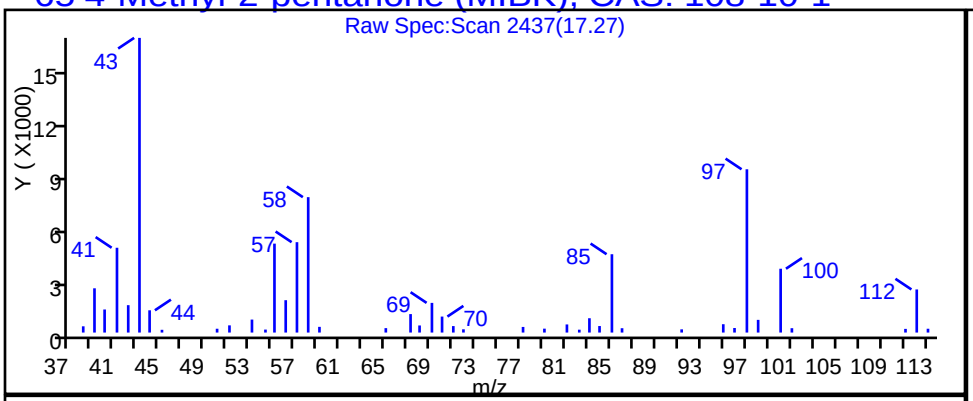
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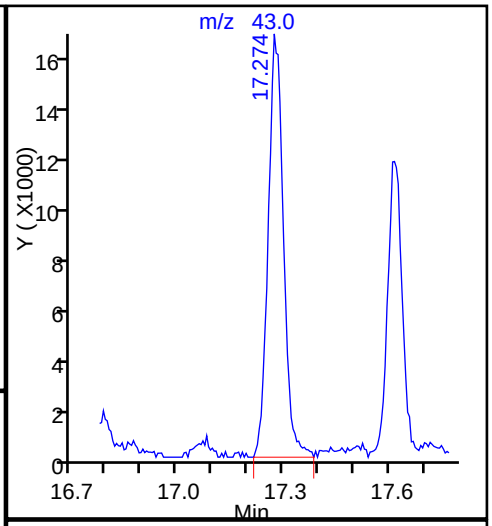
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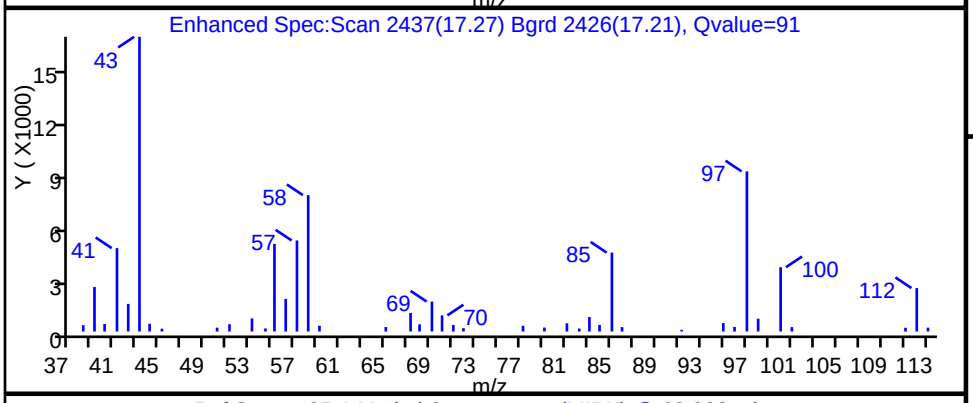
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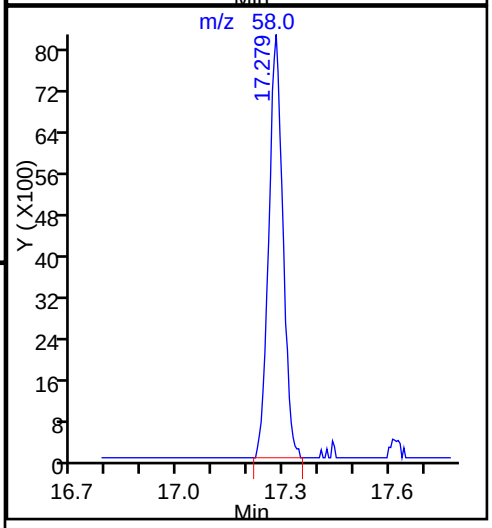
Injection Date:	31-Oct-2014 19:42:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-6	Lab Sample ID:	200-61460-6		
Client ID:	101IA0405EA				
Operator ID:	BPL	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

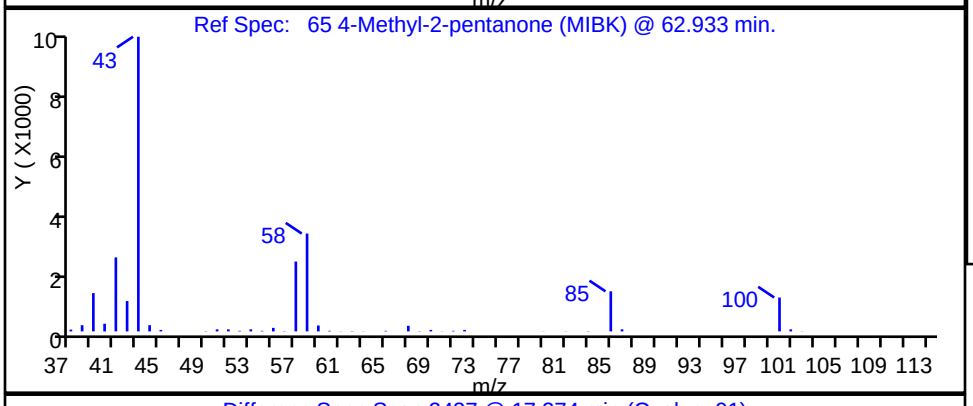
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

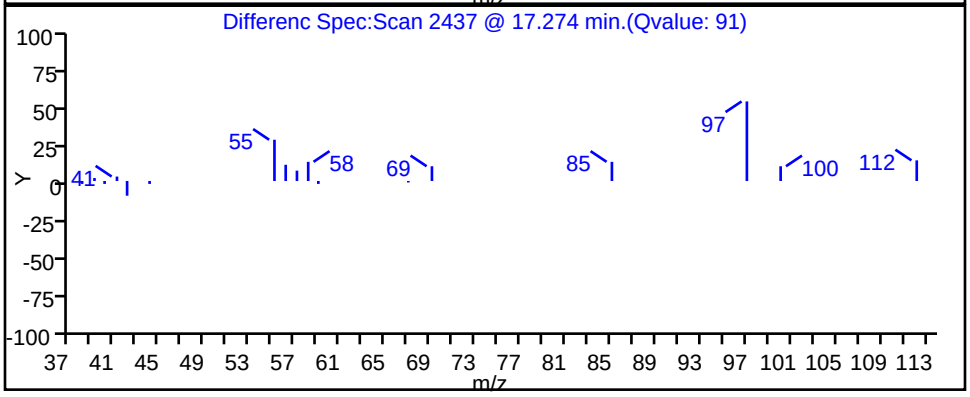










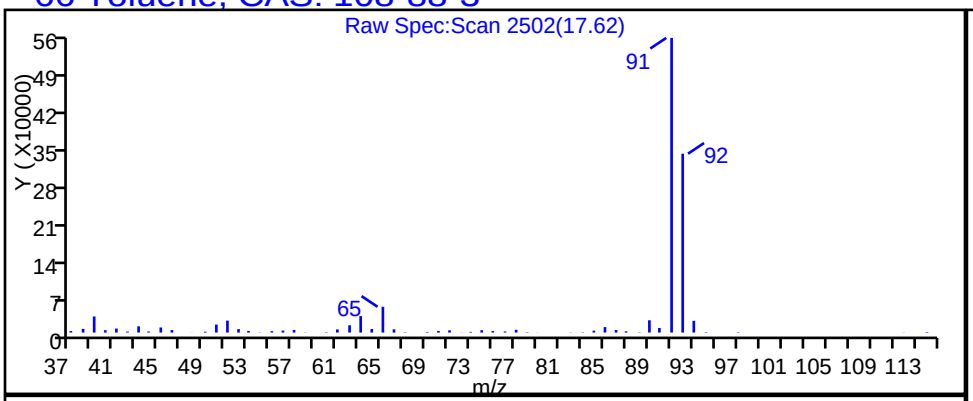


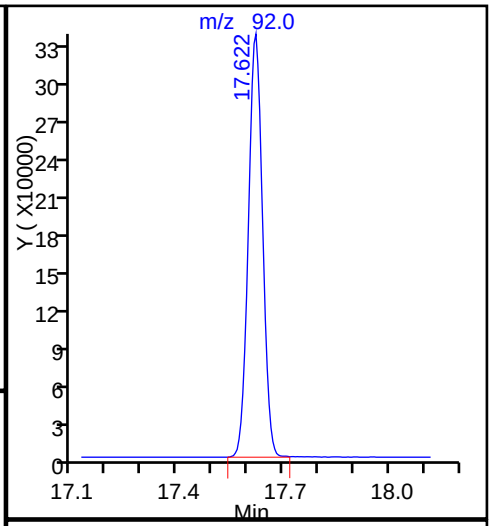
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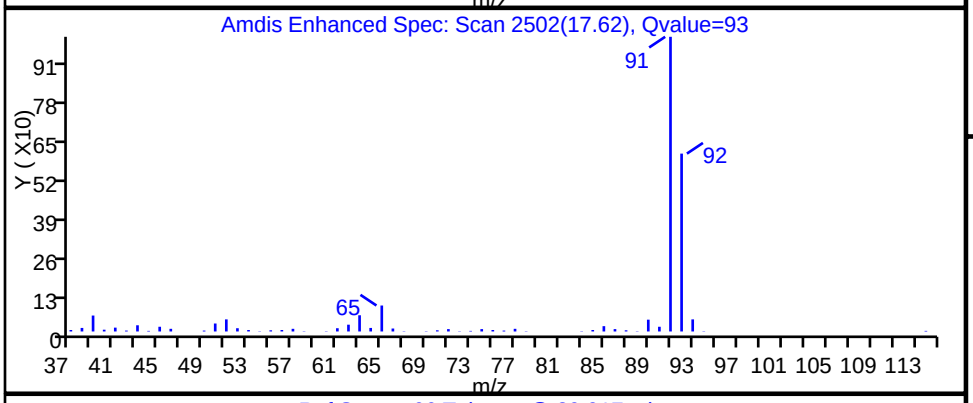
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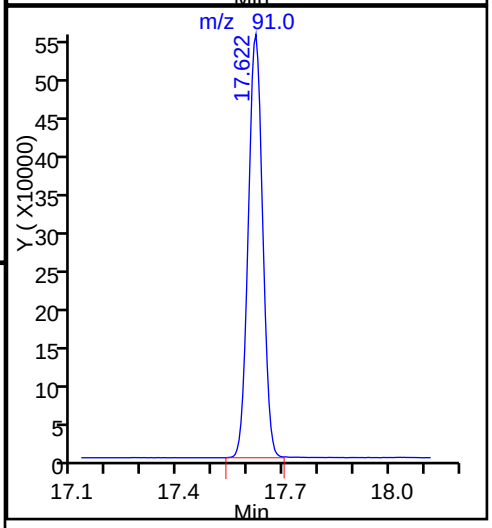
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Injection Date:	31-Oct-2014 19:42:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-6	Lab Sample ID:	200-61460-6		
Client ID:	101IA0405EA				
Operator ID:	BPL	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

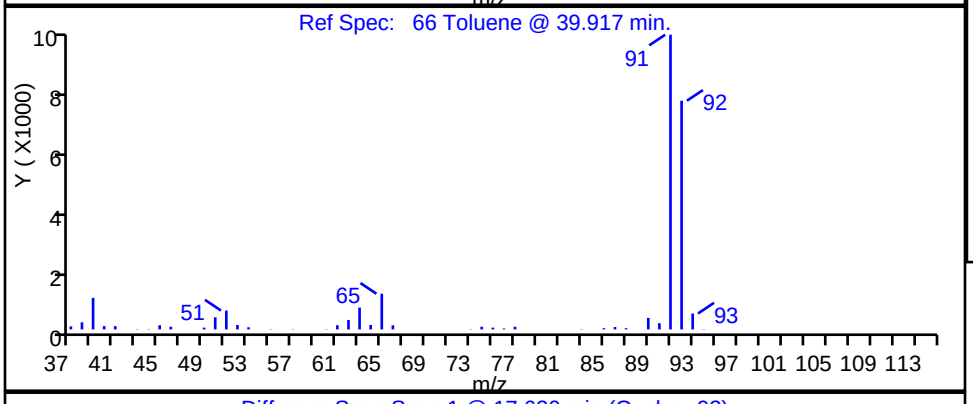
66 Toluene, CAS: 108-88-3

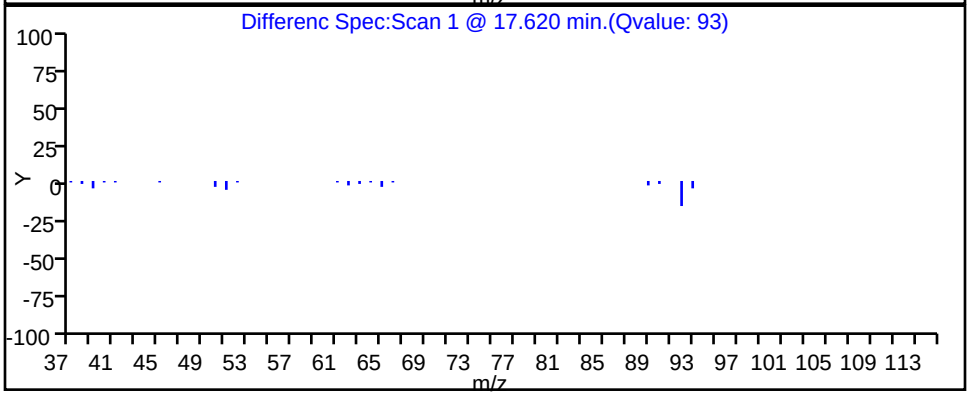












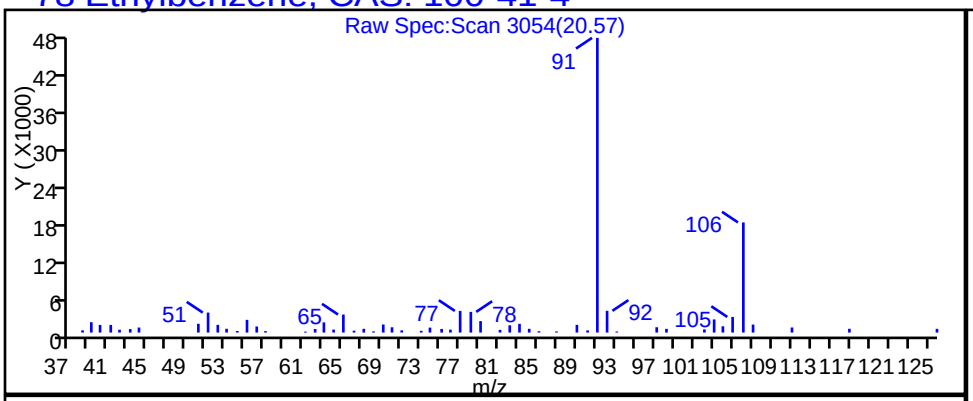
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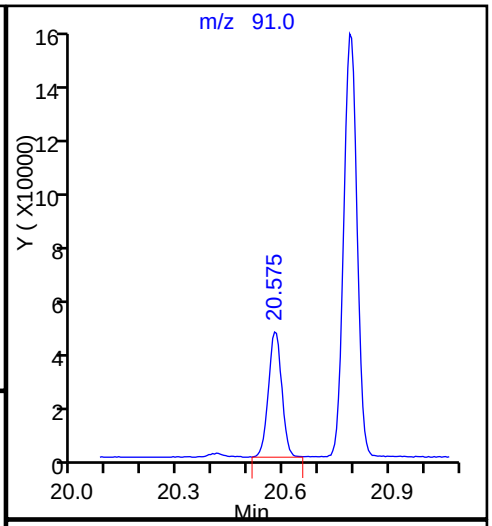
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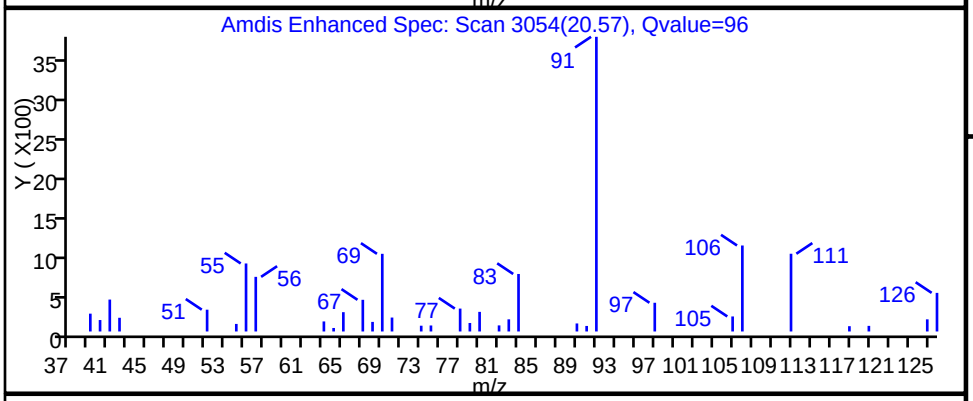
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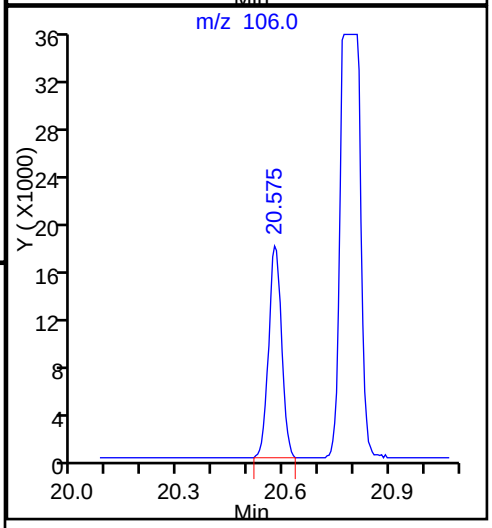
Injection Date:	31-Oct-2014 19:42:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-6	Lab Sample ID:	200-61460-6		
Client ID:	101IA0405EA				
Operator ID:	BPL	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

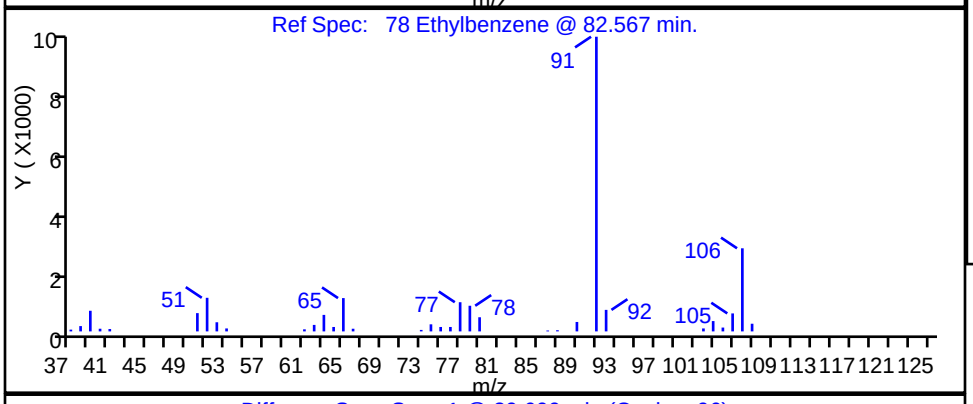
78 Ethylbenzene, CAS: 100-41-4

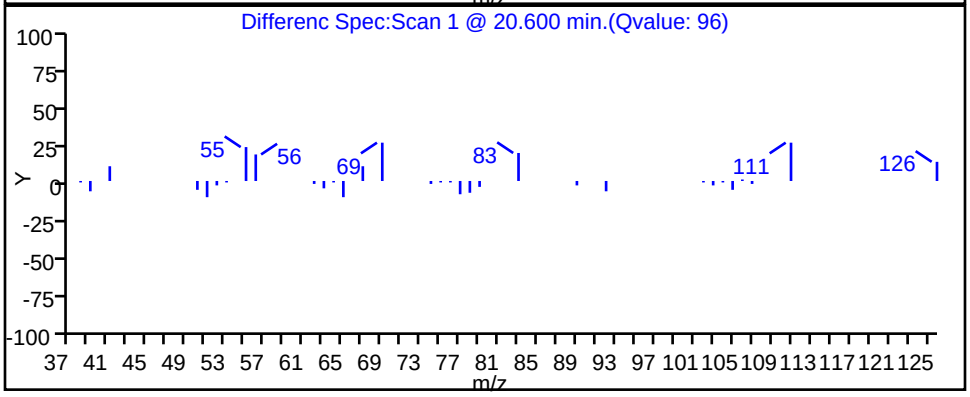












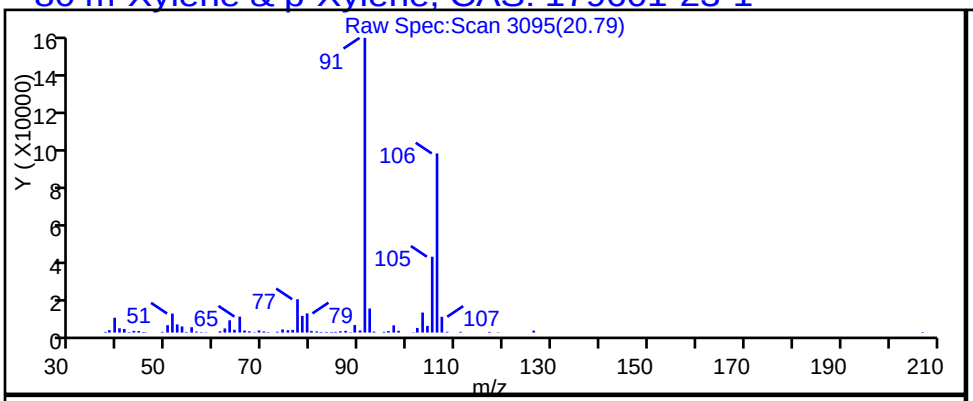
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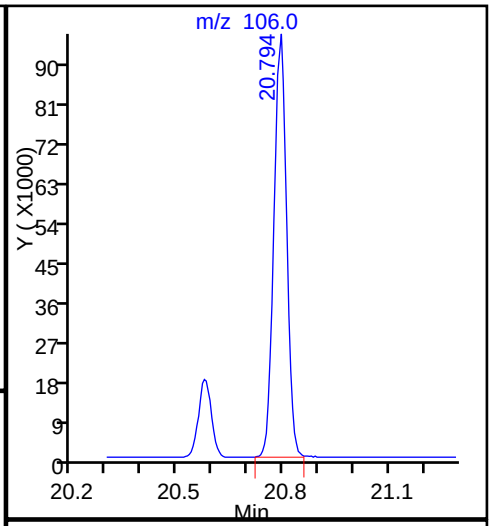
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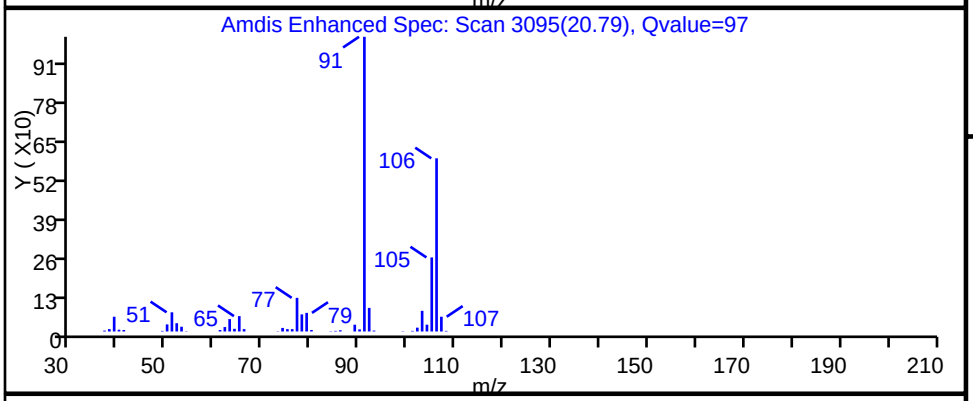
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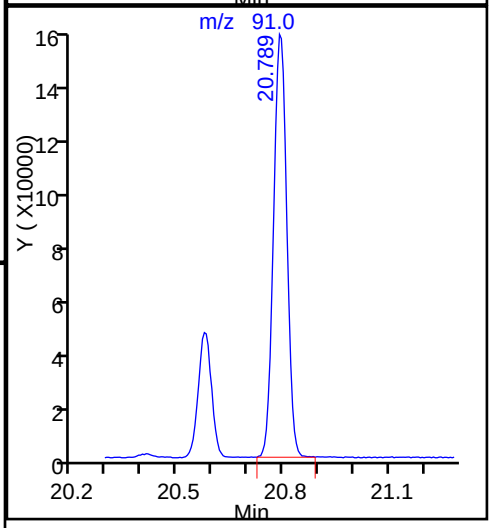
Injection Date:	31-Oct-2014 19:42:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-6	Lab Sample ID:	200-61460-6		
Client ID:	101IA0405EA				
Operator ID:	BPL	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

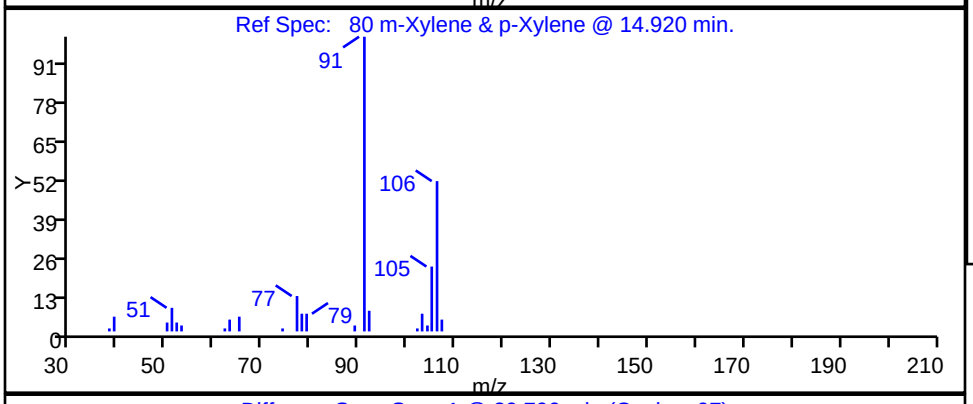
80 m-Xylene & p-Xylene, CAS: 179601-23-1

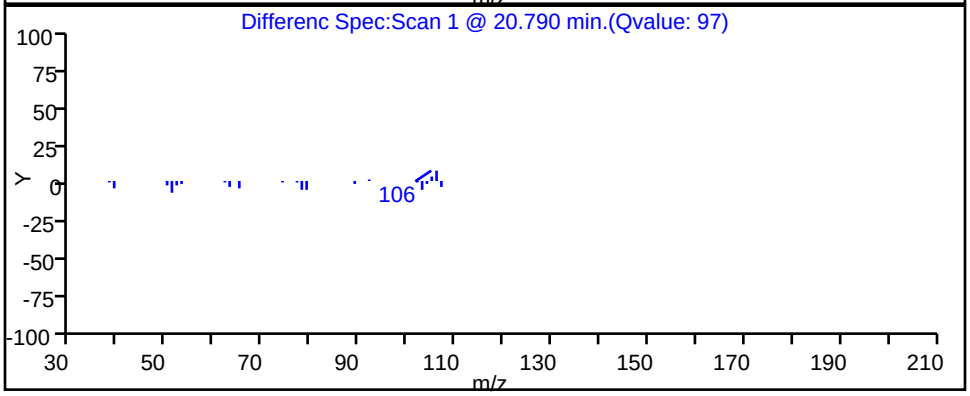












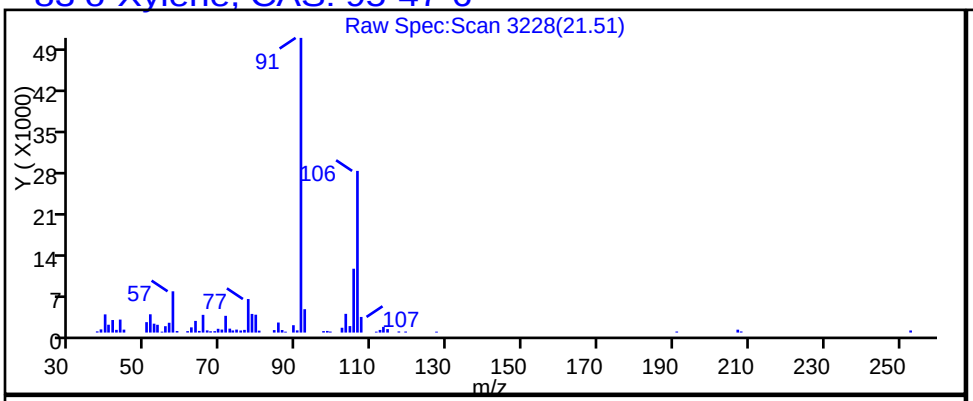
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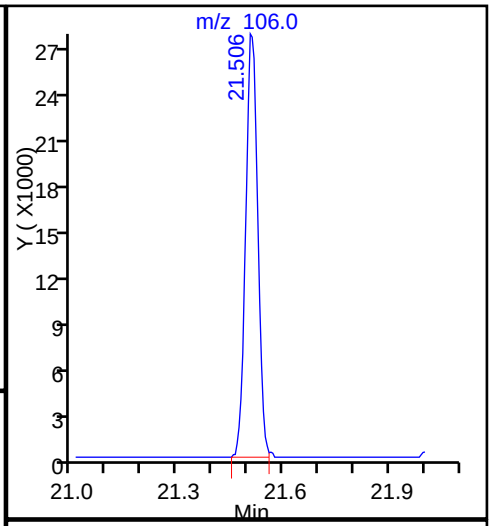
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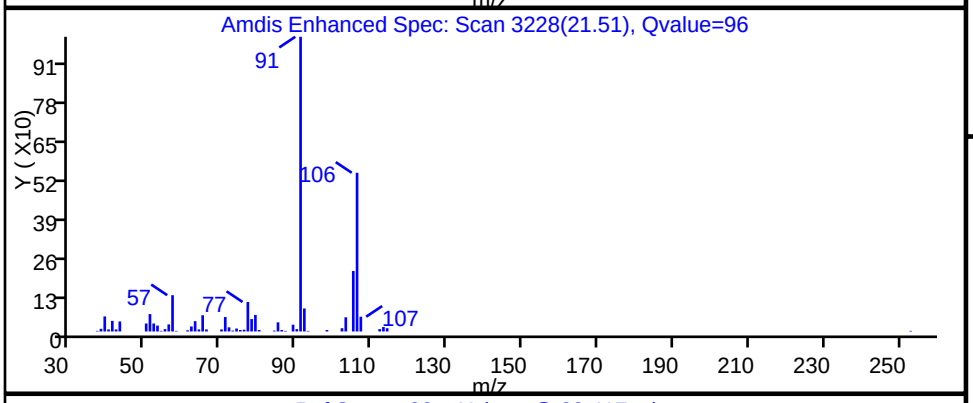
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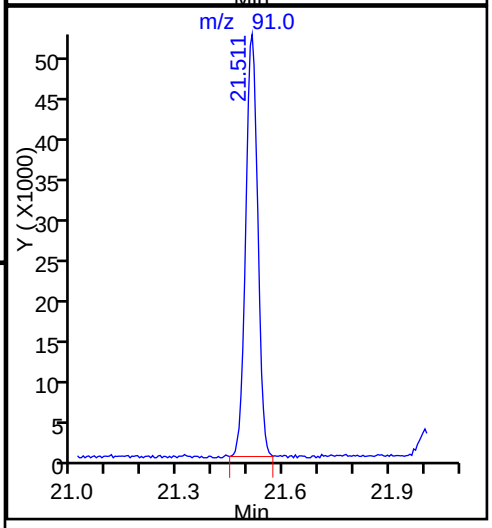
Injection Date:	31-Oct-2014 19:42:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-6	Lab Sample ID:	200-61460-6		
Client ID:	101IA0405EA				
Operator ID:	BPL	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

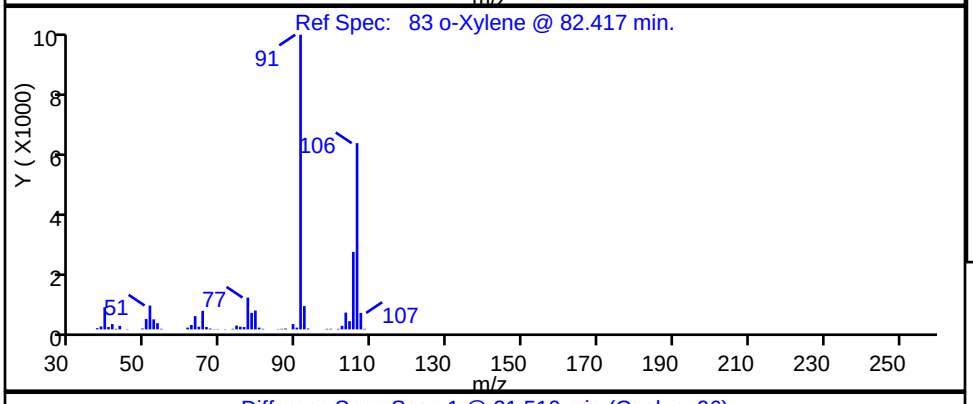
83 o-Xylene, CAS: 95-47-6

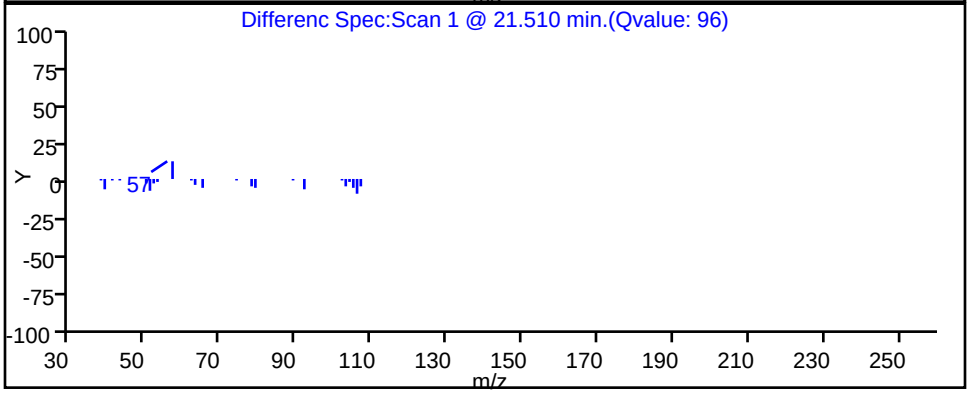












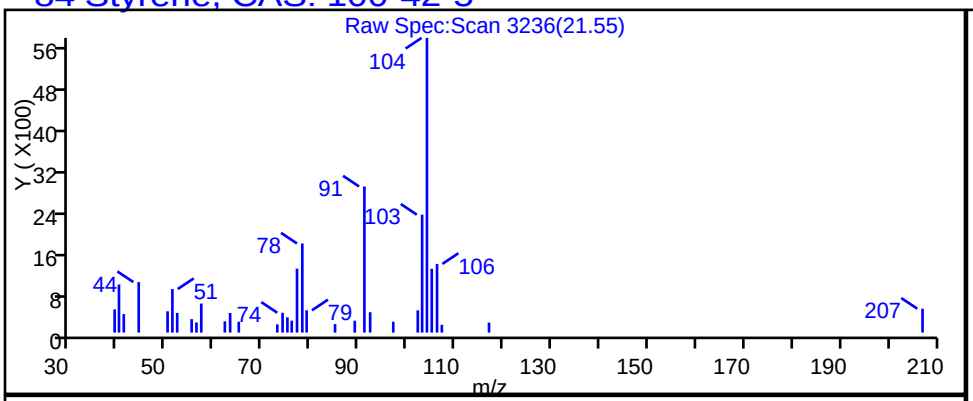
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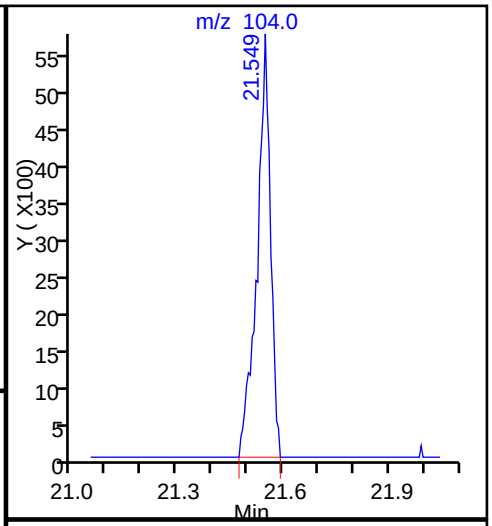
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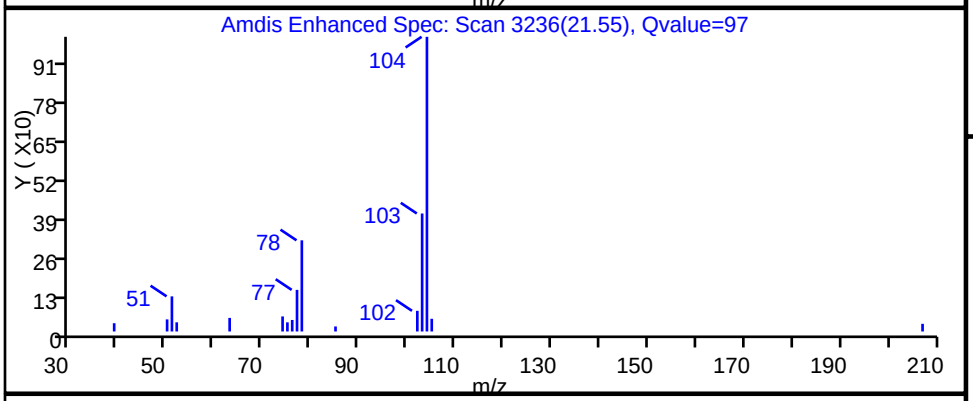
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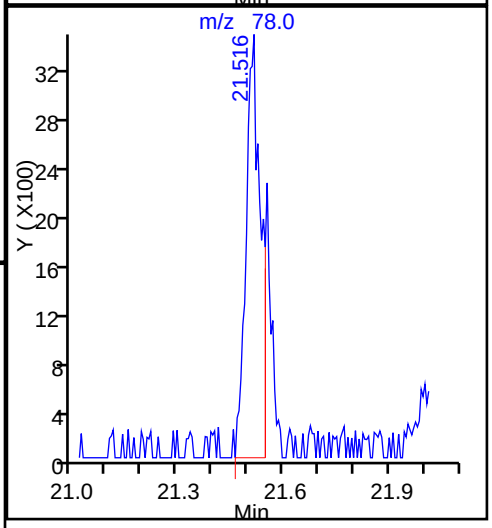
Injection Date:	31-Oct-2014 19:42:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-6	Lab Sample ID:	200-61460-6		
Client ID:	101IA0405EA				
Operator ID:	BPL	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

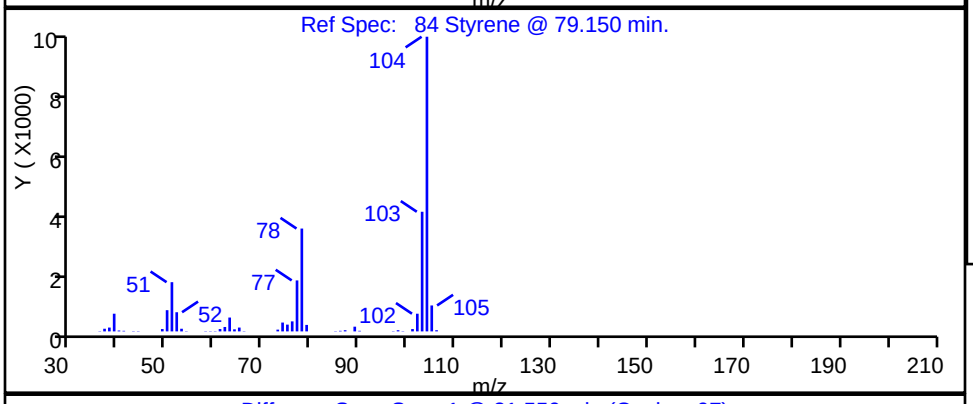
84 Styrene, CAS: 100-42-5

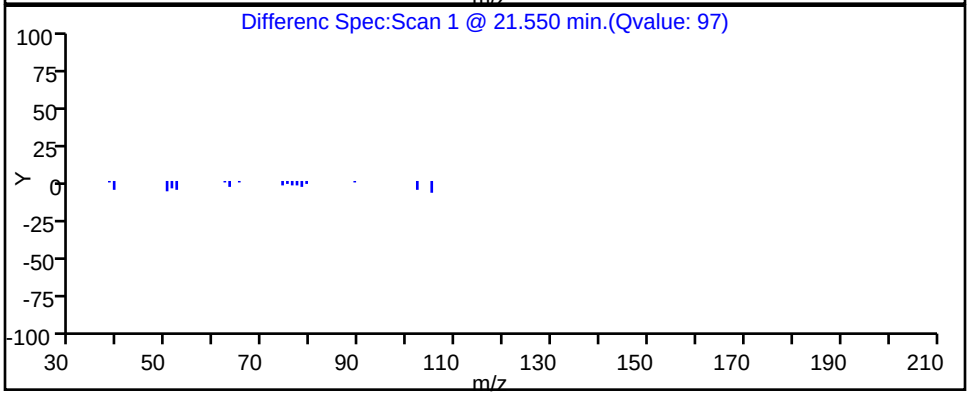












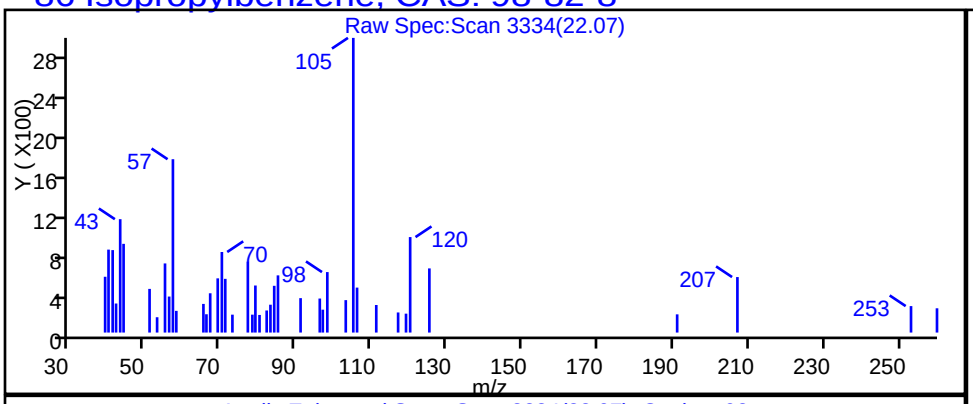
Report Date: 03-Nov-2014 09:39:34 Chrom Revision: 2.2 07-Oct-2014 12:16:06

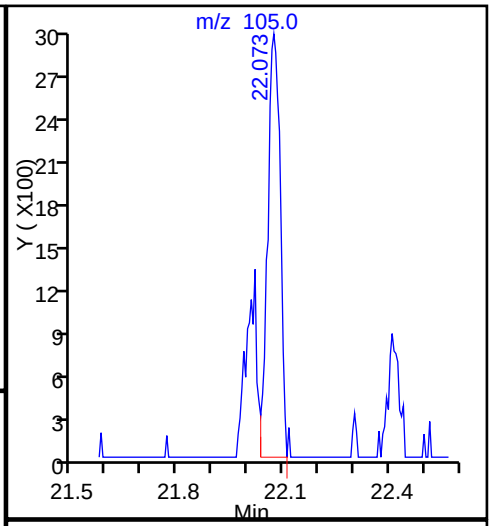
TestAmerica Burlington

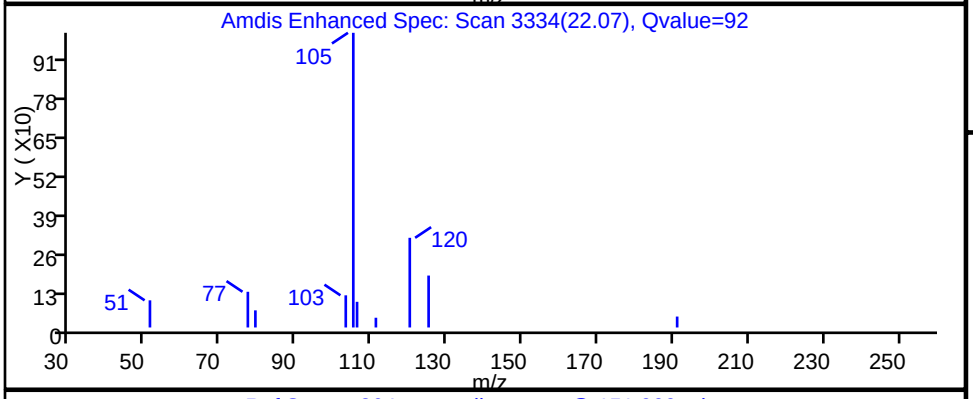
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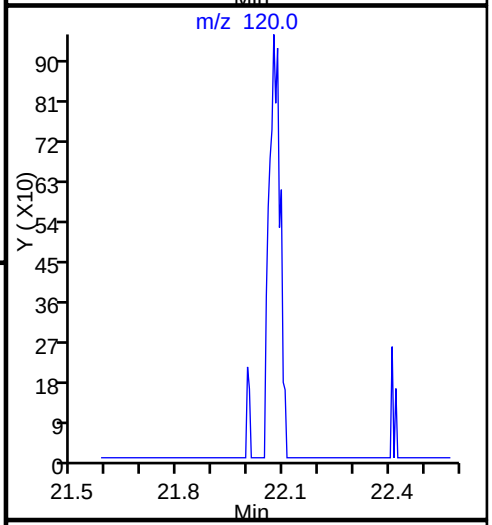
Injection Date:	31-Oct-2014 19:42:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-6	Lab Sample ID:	200-61460-6		
Client ID:	101IA0405EA				
Operator ID:	BPL	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

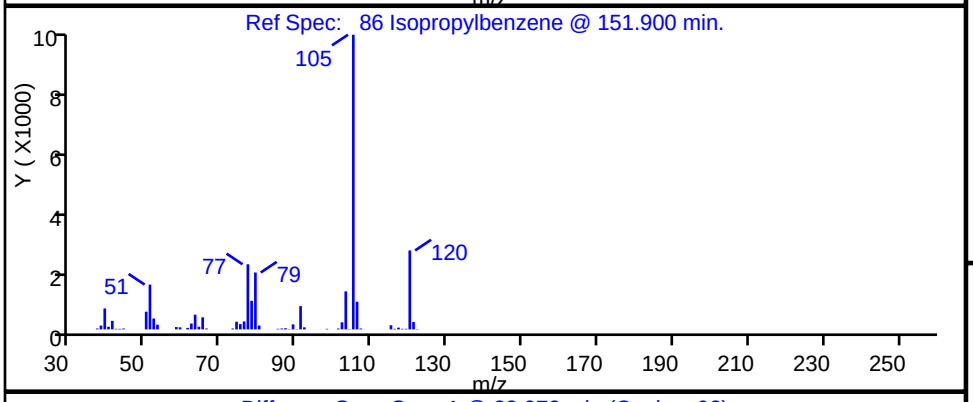
86 Isopropylbenzene, CAS: 98-82-8

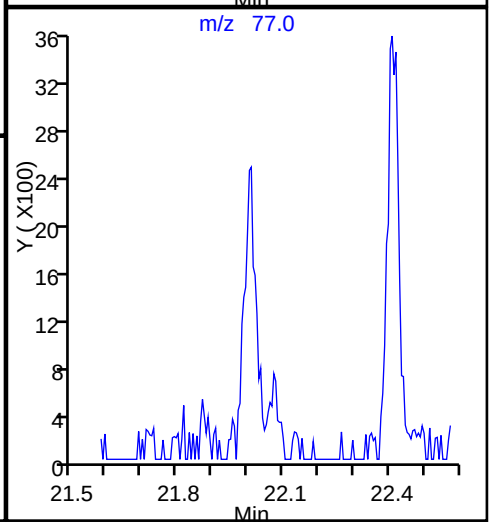


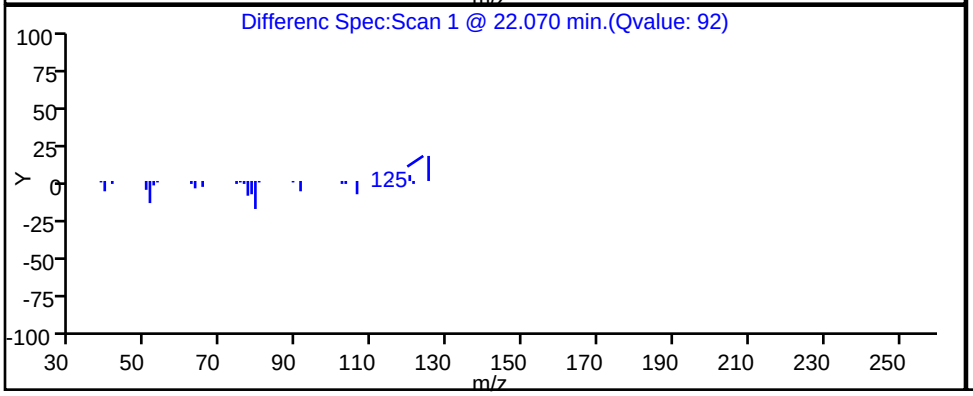








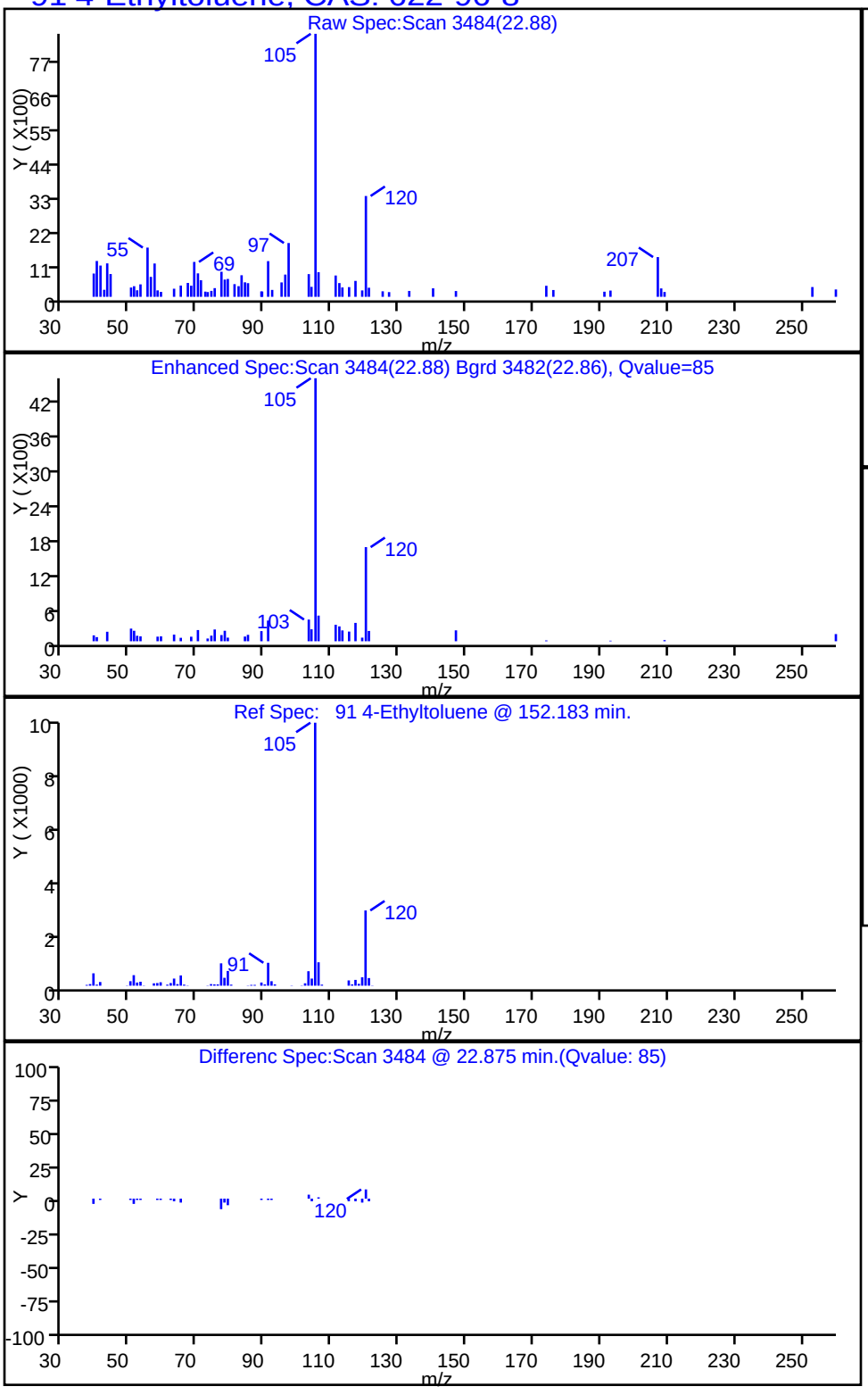


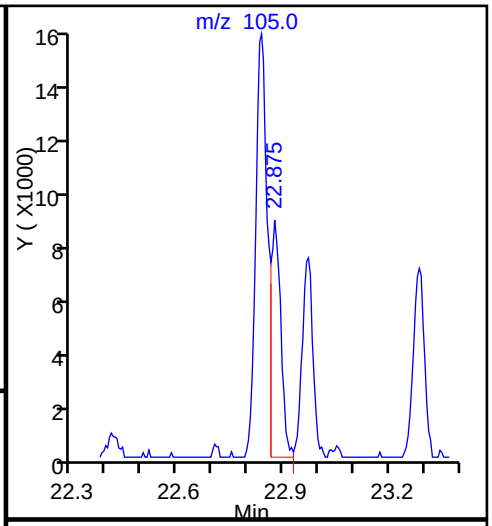


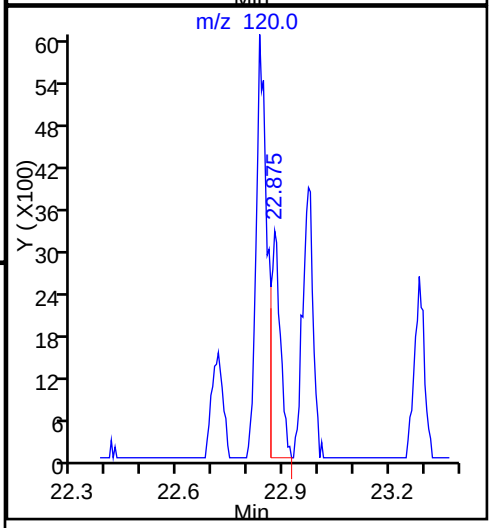
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_014.d				
Injection Date:	31-Oct-2014 19:42:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-6	Lab Sample ID:	200-61460-6		
Client ID:	101IA0405EA				
Operator ID:	BPL	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

91 4-Ethyltoluene, CAS: 622-96-8







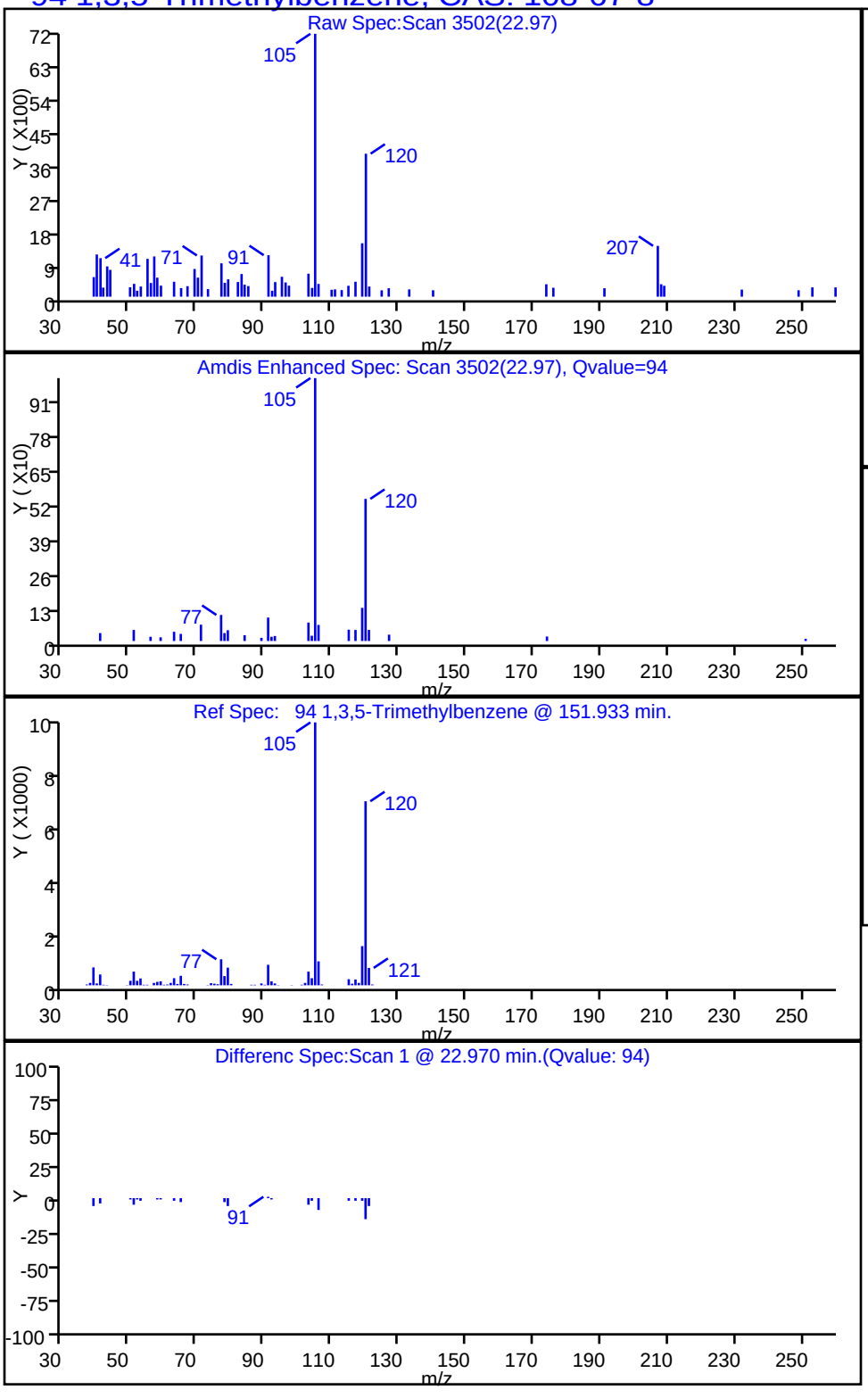
Report Date: 03-Nov-2014 09:39:34 Chrom Revision: 2.2 07-Oct-2014 12:16:06

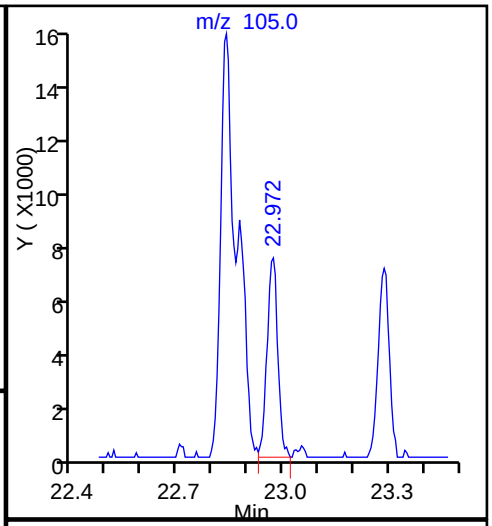
TestAmerica Burlington

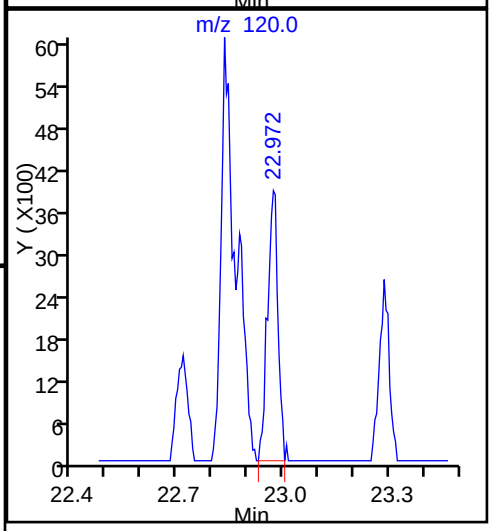
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Injection Date:	31-Oct-2014 19:42:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-6	Lab Sample ID:	200-61460-6		
Client ID:	101IA0405EA				
Operator ID:	BPL	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

94 1,3,5-Trimethylbenzene, CAS: 108-67-8







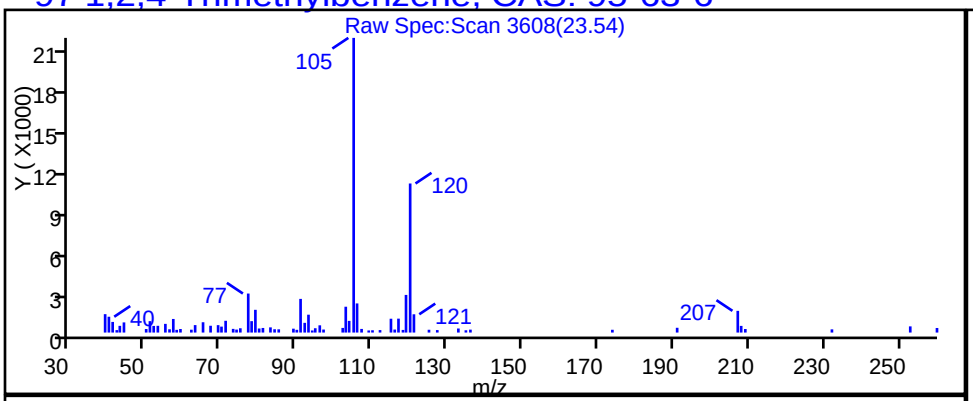
Report Date: 03-Nov-2014 09:39:34 Chrom Revision: 2.2 07-Oct-2014 12:16:06

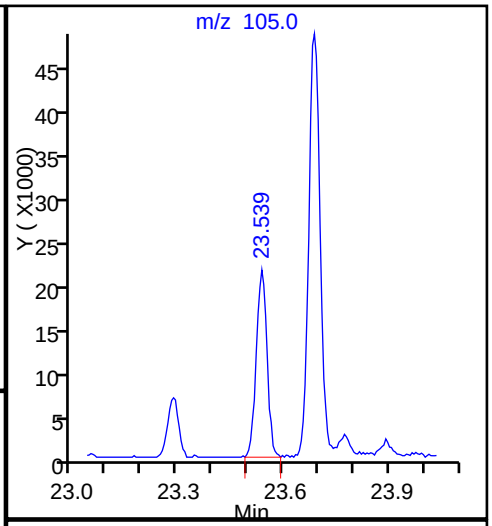
TestAmerica Burlington

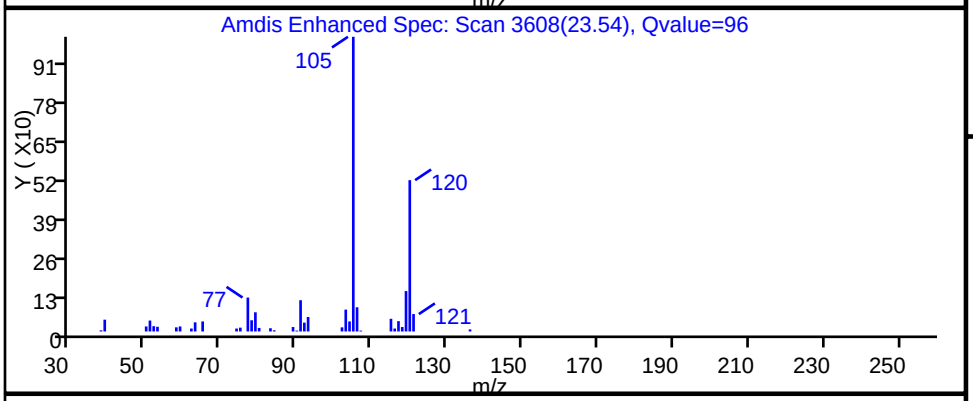
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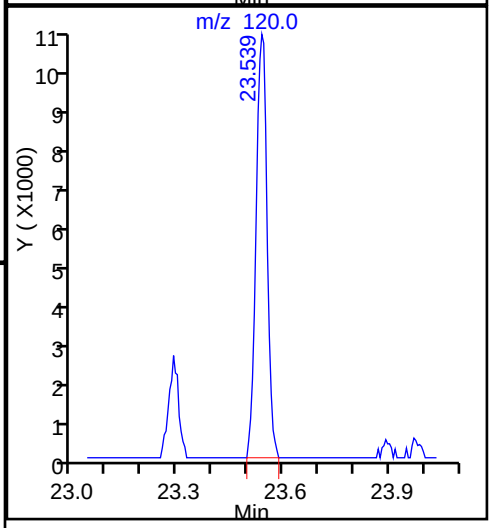
Injection Date:	31-Oct-2014 19:42:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-6	Lab Sample ID:	200-61460-6		
Client ID:	101IA0405EA				
Operator ID:	BPL	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

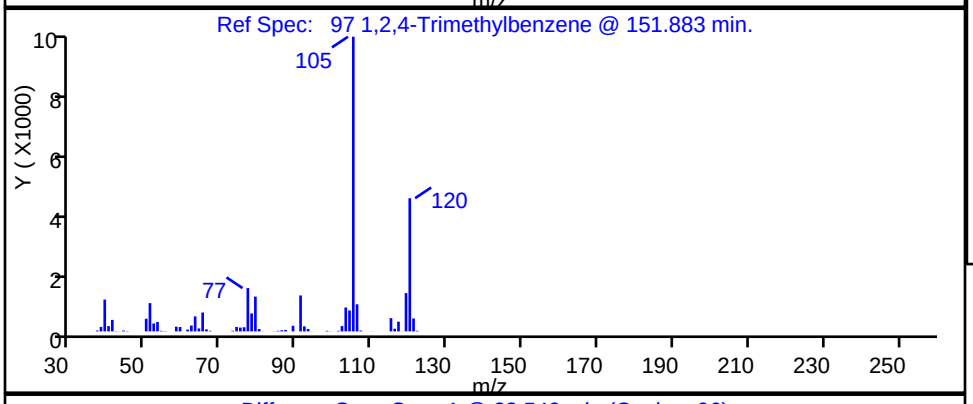
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

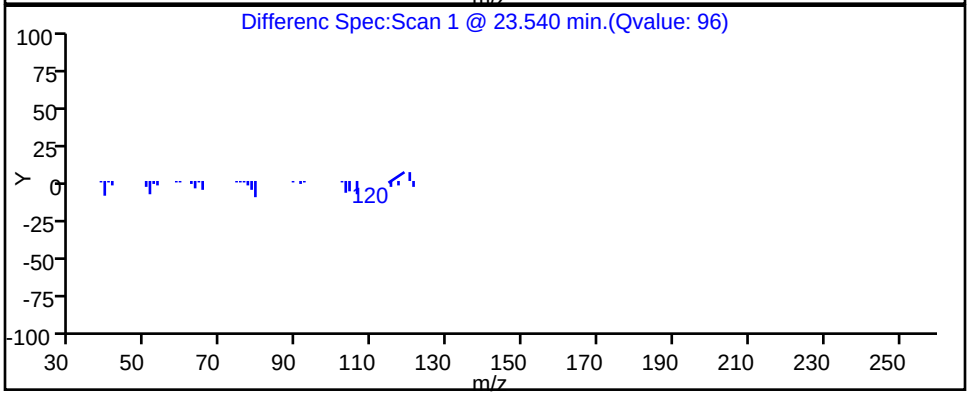












Manual Integration/User Assign Peak Report

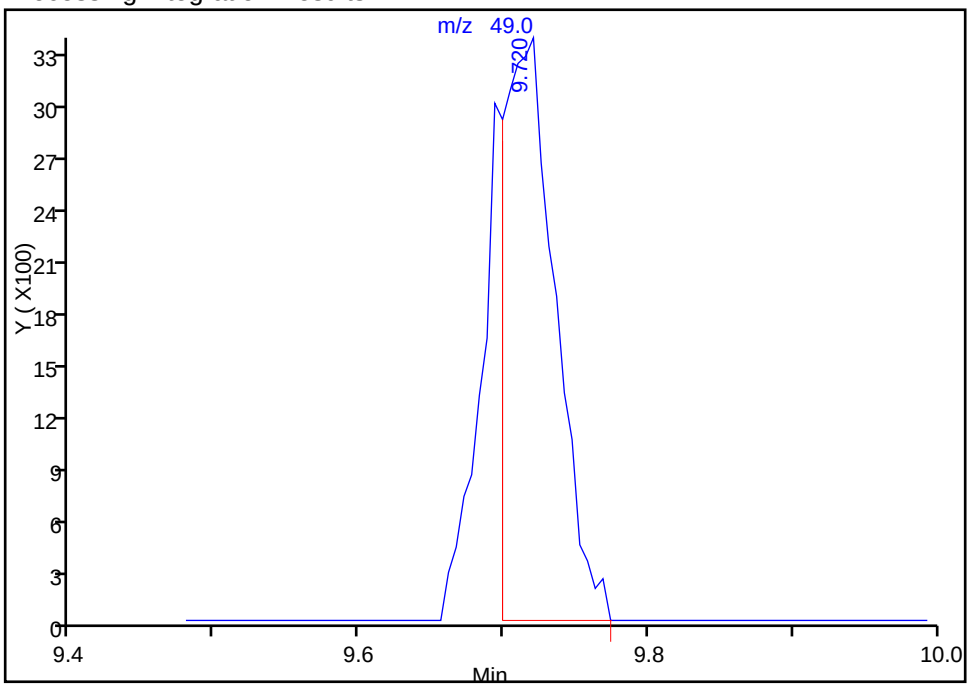
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_014.d				
Injection Date:	31-Oct-2014 19:42:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-6	Lab Sample ID:	200-61460-6		
Client ID:	101IA0405EA				
Operator ID:	BPL	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2

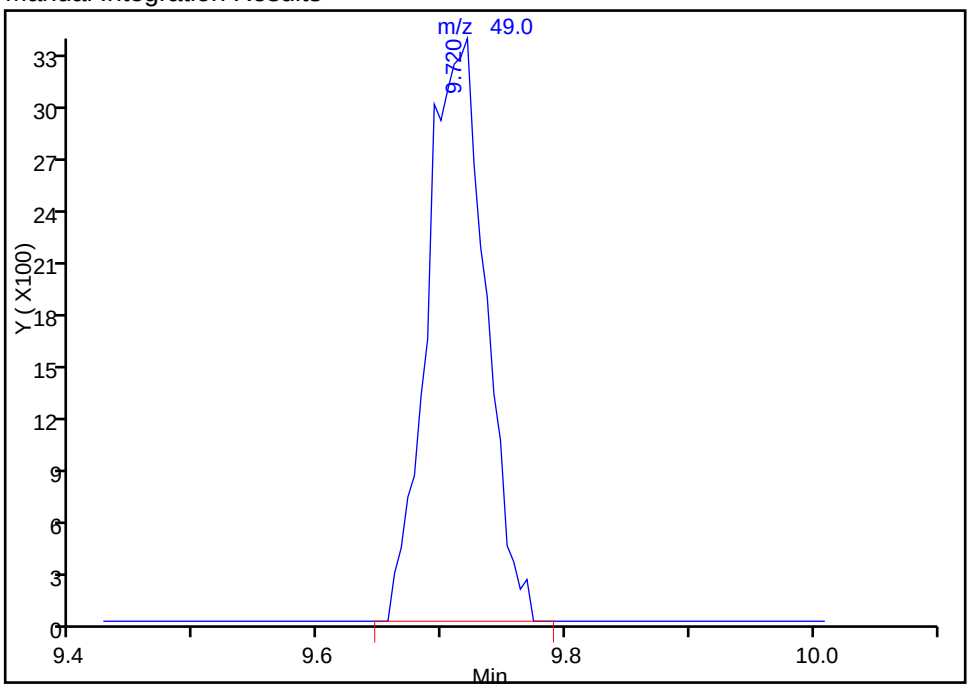
Processing Integration Results

RT: 9.72
Response: 8226
Amount: 0.163087



Manual Integration Results

RT: 9.72
Response: 10809
Amount: 0.214297



Reviewer: lyonsb, 03-Nov-2014 09:12:30
Audit Action: Manually Integrated
Audit Reason: Baseline Event

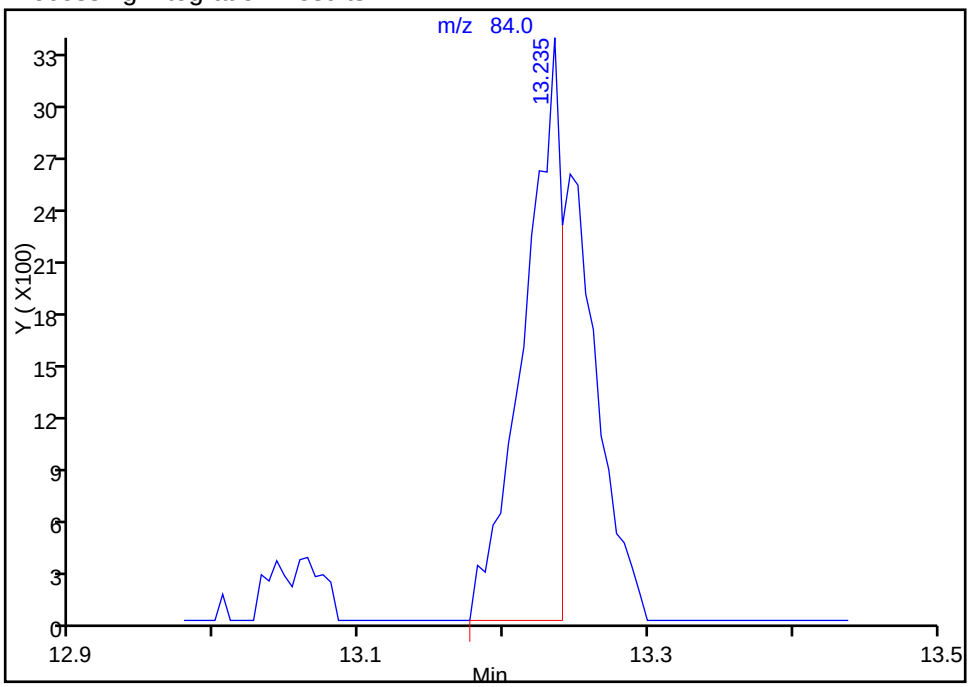
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_014.d				
Injection Date:	31-Oct-2014 19:42:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-6	Lab Sample ID:	200-61460-6		
Client ID:	101IA0405EA				
Operator ID:	BPL	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

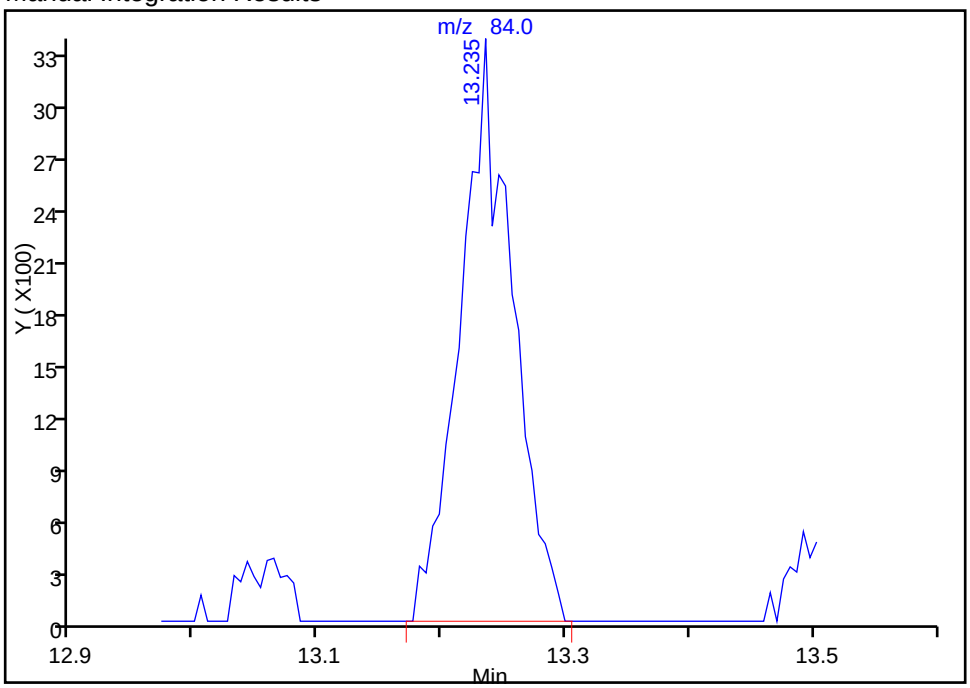
Processing Integration Results

RT: 13.24
Response: 6010
Amount: 0.071530



Manual Integration Results

RT: 13.24
Response: 9868
Amount: 0.117448



Reviewer: lyonsb, 03-Nov-2014 09:12:30
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101OA0305EA Lab Sample ID: 280-61460-7

Matrix: Air Lab File ID: 10288_015.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:30

Sample wt/vol: 500(mL) Date Analyzed: 10/31/2014 20:41

Soil Aliquot Vol: Dilution Factor: 1.34

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.49	J D	0.67	0.075
75-45-6	Freon 22	86.47	0.25	J D	0.67	0.11
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.11	U	0.27	0.070
74-87-3	Chloromethane	50.49	0.61	J D	0.67	0.080
106-97-8	n-Butane	58.12	0.27	U	0.67	0.24
75-01-4	Vinyl chloride	62.50	0.040	U	0.27	0.035
106-99-0	1,3-Butadiene	54.09	0.11	U	0.27	0.048
74-83-9	Bromomethane	94.94	0.11	U	0.27	0.059
75-00-3	Chloroethane	64.52	0.11	U	0.67	0.082
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.040	U	0.27	0.027
75-69-4	Trichlorofluoromethane	137.37	0.24	J D	0.27	0.060
76-13-1	Freon TF	187.38	0.083	J D	0.27	0.055
75-35-4	1,1-Dichloroethene	96.94	0.040	U	0.27	0.013
67-64-1	Acetone	58.08	7.9	D	6.7	0.92
67-63-0	Isopropyl alcohol	60.10	0.67	U	6.7	0.20
75-15-0	Carbon disulfide	76.14	0.61	J D	0.67	0.040
107-05-1	3-Chloropropene	76.53	0.27	U	0.67	0.21
75-09-2	Methylene Chloride	84.93	0.18	J D	0.67	0.16
75-65-0	tert-Butyl alcohol	74.12	0.27	U	6.7	0.16
1634-04-4	Methyl tert-butyl ether	88.15	0.040	U	0.27	0.029
156-60-5	trans-1,2-Dichloroethene	96.94	0.040	U	0.27	0.036
110-54-3	n-Hexane	86.17	0.12	J D	0.27	0.038
75-34-3	1,1-Dichloroethane	98.96	0.040	U	0.27	0.038
78-93-3	Methyl Ethyl Ketone	72.11	1.5	D	0.67	0.12
156-59-2	cis-1,2-Dichloroethene	96.94	0.11	U	0.27	0.040
540-59-0	1,2-Dichloroethene, Total	96.94	0.11	U	0.27	0.071
67-66-3	Chloroform	119.38	0.11	U	0.27	0.051
109-99-9	Tetrahydrofuran	72.11	0.27	U	6.7	0.24
71-55-6	1,1,1-Trichloroethane	133.41	0.11	U	0.27	0.040
110-82-7	Cyclohexane	84.16	0.040	U	0.27	0.013
56-23-5	Carbon tetrachloride	153.81	0.074	J D	0.27	0.015
540-84-1	2,2,4-Trimethylpentane	114.23	0.18	J D	0.27	0.031
71-43-2	Benzene	78.11	0.096	J D	0.27	0.039
107-06-2	1,2-Dichloroethane	98.96	0.11	U	0.27	0.070

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101OA0305EA Lab Sample ID: 280-61460-7

Matrix: Air Lab File ID: 10288_015.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:30

Sample wt/vol: 500(mL) Date Analyzed: 10/31/2014 20:41

Soil Aliquot Vol: Dilution Factor: 1.34

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.11	U	0.27	0.050
79-01-6	Trichloroethene	131.39	0.040	U	0.27	0.040
80-62-6	Methyl methacrylate	100.12	0.27	U	0.67	0.13
78-87-5	1,2-Dichloropropane	112.99	0.11	U	0.27	0.047
123-91-1	1,4-Dioxane	88.11	1.0	J D	6.7	0.21
75-27-4	Bromodichloromethane	163.83	0.040	U	0.27	0.039
10061-01-5	cis-1,3-Dichloropropene	110.97	0.040	U	0.27	0.039
108-10-1	methyl isobutyl ketone	100.16	0.27	U	0.67	0.24
108-88-3	Toluene	92.14	1.7	D	0.27	0.034
10061-02-6	trans-1,3-Dichloropropene	110.97	0.040	U	0.27	0.035
79-00-5	1,1,2-Trichloroethane	133.41	0.11	U	0.27	0.050
127-18-4	Tetrachloroethene	165.83	0.049	J D	0.27	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.27	J D	0.67	0.23
124-48-1	Dibromochloromethane	208.29	0.040	U	0.27	0.027
106-93-4	1,2-Dibromoethane	187.87	0.040	U	0.27	0.024
108-90-7	Chlorobenzene	112.56	0.040	U	0.27	0.024
100-41-4	Ethylbenzene	106.17	0.11	J D	0.27	0.027
179601-23-1	m,p-Xylene	106.17	0.45	J D	0.67	0.034
95-47-6	Xylene, o-	106.17	0.16	J D	0.27	0.024
1330-20-7	Xylene (total)	106.17	0.61		0.27	0.055
100-42-5	Styrene	104.15	0.025	J D	0.27	0.021
75-25-2	Bromoform	252.75	0.040	U	0.27	0.034
98-82-8	Cumene	120.19	0.066	J D	0.27	0.025
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.11	U	0.27	0.046
103-65-1	n-Propylbenzene	120.19	0.19	J D	0.27	0.036
622-96-8	4-Ethyltoluene	120.20	0.10	J D	0.27	0.027
108-67-8	1,3,5-Trimethylbenzene	120.20	0.070	J D	0.27	0.025
95-49-8	2-Chlorotoluene	126.59	0.11	U	0.27	0.042
98-06-6	tert-Butylbenzene	134.22	0.040	U	0.27	0.027
95-63-6	1,2,4-Trimethylbenzene	120.20	0.43	D	0.27	0.021
135-98-8	sec-Butylbenzene	134.22	0.040	U	0.27	0.028
99-87-6	4-Isopropyltoluene	134.22	0.040	U	0.27	0.027
541-73-1	1,3-Dichlorobenzene	147.00	0.040	U	0.27	0.027
106-46-7	1,4-Dichlorobenzene	147.00	0.040	U	0.27	0.025

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101OA0305EA Lab Sample ID: 280-61460-7

Matrix: Air Lab File ID: 10288_015.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:30

Sample wt/vol: 500(mL) Date Analyzed: 10/31/2014 20:41

Soil Aliquot Vol: Dilution Factor: 1.34

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.040	U	0.27	0.024
104-51-8	n-Butylbenzene	134.22	0.040	U	0.27	0.038
95-50-1	1,2-Dichlorobenzene	147.00	0.040	U	0.27	0.024
120-82-1	1,2,4-Trichlorobenzene	181.45	0.11	U	0.67	0.046
87-68-3	Hexachlorobutadiene	260.76	0.11	U	0.27	0.048
91-20-3	Naphthalene	128.17	0.34	J D	0.67	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101OA0305EA Lab Sample ID: 280-61460-7

Matrix: Air Lab File ID: 10288_015.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:30

Sample wt/vol: 500(mL) Date Analyzed: 10/31/2014 20:41

Soil Aliquot Vol: Dilution Factor: 1.34

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.4	J D	3.3	0.37
75-45-6	Freon 22	86.47	0.89	J D	2.4	0.38
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.75	U	1.9	0.49
74-87-3	Chloromethane	50.49	1.3	J D	1.4	0.17
106-97-8	n-Butane	58.12	0.64	U	1.6	0.57
75-01-4	Vinyl chloride	62.50	0.10	U	0.69	0.089
106-99-0	1,3-Butadiene	54.09	0.24	U	0.59	0.11
74-83-9	Bromomethane	94.94	0.42	U	1.0	0.23
75-00-3	Chloroethane	64.52	0.28	U	1.8	0.22
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.18	U	1.2	0.12
75-69-4	Trichlorofluoromethane	137.37	1.4	J D	1.5	0.34
76-13-1	Freon TF	187.38	0.64	J D	2.1	0.42
75-35-4	1,1-Dichloroethene	96.94	0.16	U	1.1	0.053
67-64-1	Acetone	58.08	19	D	16	2.2
67-63-0	Isopropyl alcohol	60.10	1.6	U	16	0.49
75-15-0	Carbon disulfide	76.14	1.9	J D	2.1	0.13
107-05-1	3-Chloropropene	76.53	0.84	U	2.1	0.67
75-09-2	Methylene Chloride	84.93	0.63	J D	2.3	0.56
75-65-0	tert-Butyl alcohol	74.12	0.81	U	20	0.49
1634-04-4	Methyl tert-butyl ether	88.15	0.14	U	0.97	0.11
156-60-5	trans-1,2-Dichloroethene	96.94	0.16	U	1.1	0.14
110-54-3	n-Hexane	86.17	0.42	J D	0.94	0.13
75-34-3	1,1-Dichloroethane	98.96	0.16	U	1.1	0.15
78-93-3	Methyl Ethyl Ketone	72.11	4.4	D	2.0	0.36
156-59-2	cis-1,2-Dichloroethene	96.94	0.43	U	1.1	0.16
540-59-0	1,2-Dichloroethene, Total	96.94	0.43	U	1.1	0.28
67-66-3	Chloroform	119.38	0.52	U	1.3	0.25
109-99-9	Tetrahydrofuran	72.11	0.79	U	20	0.71
71-55-6	1,1,1-Trichloroethane	133.41	0.58	U	1.5	0.22
110-82-7	Cyclohexane	84.16	0.14	U	0.92	0.046
56-23-5	Carbon tetrachloride	153.81	0.47	J D	1.7	0.093
540-84-1	2,2,4-Trimethylpentane	114.23	0.85	J D	1.3	0.14
71-43-2	Benzene	78.11	0.31	J D	0.86	0.12
107-06-2	1,2-Dichloroethane	98.96	0.43	U	1.1	0.28

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101OA0305EA Lab Sample ID: 280-61460-7

Matrix: Air Lab File ID: 10288_015.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:30

Sample wt/vol: 500(mL) Date Analyzed: 10/31/2014 20:41

Soil Aliquot Vol: Dilution Factor: 1.34

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.44	U	1.1	0.20
79-01-6	Trichloroethene	131.39	0.22	U	1.4	0.22
80-62-6	Methyl methacrylate	100.12	1.1	U	2.7	0.53
78-87-5	1,2-Dichloropropane	112.99	0.50	U	1.2	0.22
123-91-1	1,4-Dioxane	88.11	3.7	J D	24	0.77
75-27-4	Bromodichloromethane	163.83	0.27	U	1.8	0.26
10061-01-5	cis-1,3-Dichloropropene	110.97	0.18	U	1.2	0.18
108-10-1	methyl isobutyl ketone	100.16	1.1	U	2.7	0.99
108-88-3	Toluene	92.14	6.5	D	1.0	0.13
10061-02-6	trans-1,3-Dichloropropene	110.97	0.18	U	1.2	0.16
79-00-5	1,1,2-Trichloroethane	133.41	0.58	U	1.5	0.27
127-18-4	Tetrachloroethene	165.83	0.33	J D	1.8	0.27
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.1	J D	2.7	0.93
124-48-1	Dibromochloromethane	208.29	0.34	U	2.3	0.23
106-93-4	1,2-Dibromoethane	187.87	0.31	U	2.1	0.19
108-90-7	Chlorobenzene	112.56	0.19	U	1.2	0.11
100-41-4	Ethylbenzene	106.17	0.48	J D	1.2	0.12
179601-23-1	m,p-Xylene	106.17	2.0	J D	2.9	0.15
95-47-6	Xylene, o-	106.17	0.70	J D	1.2	0.10
1330-20-7	Xylene (total)	106.17	2.6		1.2	0.24
100-42-5	Styrene	104.15	0.11	J D	1.1	0.091
75-25-2	Bromoform	252.75	0.42	U	2.8	0.35
98-82-8	Cumene	120.19	0.32	J D	1.3	0.13
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.74	U	1.8	0.31
103-65-1	n-Propylbenzene	120.19	0.93	J D	1.3	0.18
622-96-8	4-Ethyltoluene	120.20	0.50	J D	1.3	0.13
108-67-8	1,3,5-Trimethylbenzene	120.20	0.34	J D	1.3	0.13
95-49-8	2-Chlorotoluene	126.59	0.56	U	1.4	0.22
98-06-6	tert-Butylbenzene	134.22	0.22	U	1.5	0.15
95-63-6	1,2,4-Trimethylbenzene	120.20	2.1	D	1.3	0.11
135-98-8	sec-Butylbenzene	134.22	0.22	U	1.5	0.15
99-87-6	4-Isopropyltoluene	134.22	0.22	U	1.5	0.15
541-73-1	1,3-Dichlorobenzene	147.00	0.24	U	1.6	0.16
106-46-7	1,4-Dichlorobenzene	147.00	0.24	U	1.6	0.15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101OA0305EA Lab Sample ID: 280-61460-7

Matrix: Air Lab File ID: 10288_015.d

Analysis Method: TO-15 Date Collected: 10/15/2014 14:30

Sample wt/vol: 500(mL) Date Analyzed: 10/31/2014 20:41

Soil Aliquot Vol: Dilution Factor: 1.34

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.21	U	1.4	0.12
104-51-8	n-Butylbenzene	134.22	0.22	U	1.5	0.21
95-50-1	1,2-Dichlorobenzene	147.00	0.24	U	1.6	0.15
120-82-1	1,2,4-Trichlorobenzene	181.45	0.80	U	5.0	0.34
87-68-3	Hexachlorobutadiene	260.76	1.1	U	2.9	0.51
91-20-3	Naphthalene	128.17	1.8	J D	3.5	0.21

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_015.d
Lims ID: 280-61460-A-7 Lab Sample ID: 200-61460-7
Client ID: 101OA0305EA
Sample Type: Client
Inject. Date: 31-Oct-2014 20:41:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.3400
Sample Info: 200-0010288-015
Misc. Info.: 280-61460-a-7
Operator ID: BPL Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 03-Nov-2014 09:39:33 Calib Date: 30-Oct-2014 19:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: lyonsb Date: 03-Nov-2014 09:16:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.478	4.483	-0.005	98	63227	0.3671	
6 Chlorodifluoromethane	51	4.552	4.547	0.005	97	14857	0.1872	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.831				ND	
8 Chloromethane	50	5.029	5.029	0.000	99	21042	0.4563	
9 Butane	43		5.291				ND	
10 Vinyl chloride	62		5.350				ND	
11 Butadiene	54		5.446				ND	
12 Bromomethane	94		6.307				ND	
14 Chloroethane	64		6.591				ND	
16 Vinyl bromide	106		7.067				ND	
17 Trichlorofluoromethane	101	7.179	7.184	-0.005	97	30923	0.1804	
23 1,1,2-Trichloro-1,2,2-trif	101	8.426	8.426	0.000	78	8590	0.0620	
24 1,1-Dichloroethene	96		8.500				ND	
25 Acetone	43	8.725	8.731	-0.006	90	411781	5.89	
26 Carbon disulfide	76	8.987	8.987	0.000	98	75230	0.4562	
27 Isopropyl alcohol	45		9.025				ND	
29 3-Chloro-1-propene	41		9.383				ND	
31 Methylene Chloride	49	9.720	9.715	0.005	79	7037	0.1360	
32 2-Methyl-2-propanol	59		9.891				ND	
33 Methyl tert-butyl ether	73		10.138				ND	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
34 trans-1,2-Dichloroethene	61		10.212				ND	
36 Hexane	57	10.630	10.630	0.000	80	6522	0.0887	
37 1,1-Dichloroethane	63		11.175				ND	
39 cis-1,2-Dichloroethene	96		12.352				ND	
40 2-Butanone (MEK)	72	12.352	12.358	-0.006	96	35934	1.11	
44 Tetrahydrofuran	42		12.828				ND	
* 43 Chlorobromomethane	128	12.828	12.834	-0.006	70	581944	10.0	
45 Chloroform	83		12.941				ND	
46 Cyclohexane	84		13.240				ND	
47 1,1,1-Trichloroethane	97		13.251				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	13.502	13.508	-0.006	95	8331	0.0554	
51 Isooctane	57	13.898	13.898	0.000	98	32650	0.1359	
50 Benzene	78	13.957	13.957	0.000	92	14461	0.0715	
52 1,2-Dichloroethane	62		14.118				ND	
53 n-Heptane	43		14.246				ND	
* 54 1,4-Difluorobenzene	114	14.712	14.717	-0.005	91	2719465	10.0	
56 Trichloroethene	95		15.182				ND	
58 1,2-Dichloropropane	63		15.696				ND	
59 Methyl methacrylate	69		15.781				ND	
60 1,4-Dioxane	88	15.878	15.872	0.006	97	26497	0.7655	
62 Dichlorobromomethane	83		16.193				ND	
64 cis-1,3-Dichloropropene	75		17.055				ND	
65 4-Methyl-2-pentanone (MIBK	43	17.290	17.285	0.005	91	9667	0.0952	
66 Toluene	92	17.622	17.627	-0.005	96	195267	1.28	
70 trans-1,3-Dichloropropene	75		18.157				ND	
71 1,1,2-Trichloroethane	83		18.526				ND	
72 Tetrachloroethene	166	18.665	18.665	0.000	94	5999	0.0364	
73 2-Hexanone	43	18.906	18.906	0.000	86	19248	0.1996	7
74 Chlorodibromomethane	129		19.280				ND	
75 Ethylene Dibromide	107		19.564				ND	
S 82 Xylenes, Total	106				0		0.4568	
* 76 Chlorobenzene-d5	117	20.409	20.409	0.000	80	2522551	10.0	
77 Chlorobenzene	112		20.468				ND	
78 Ethylbenzene	91	20.575	20.580	-0.005	97	26673	0.0823	
80 m-Xylene & p-Xylene	106	20.794	20.794	0.000	97	46835	0.3364	
83 o-Xylene	106	21.506	21.511	-0.005	95	16510	0.1203	
84 Styrene	104	21.543	21.548	-0.005	83	3843	0.0187	
85 Bromoform	173		21.934				ND	
86 Isopropylbenzene	105	22.073	22.078	-0.005	93	18640	0.0493	
$ 87 4-Bromofluorobenzene	95	22.415	22.415	0.000	96	1594221	NC	
88 1,1,2,2-Tetrachloroethane	83		22.640				ND	
90 N-Propylbenzene	91	22.709	22.709	0.000	100	62640	0.1415	
91 4-Ethyltoluene	105	22.875	22.881	-0.005	98	30857	0.0763	
92 2-Chlorotoluene	91		22.913				ND	
94 1,3,5-Trimethylbenzene	105	22.966	22.971	-0.005	95	17635	0.0520	
96 tert-Butylbenzene	119		23.448				ND	
97 1,2,4-Trimethylbenzene	105	23.533	23.539	-0.005	96	109056	0.3210	
98 sec-Butylbenzene	105		23.774				ND	
99 4-Isopropyltoluene	119		23.977				ND	
100 1,3-Dichlorobenzene	146		24.047				ND	
101 1,4-Dichlorobenzene	146		24.197				ND	
102 Benzyl chloride	91		24.400				ND	
103 n-Butylbenzene	91		24.614				ND	
105 1,2-Dichlorobenzene	146		24.796				ND	
107 1,2,4-Trichlorobenzene	180		27.674				ND	
108 Hexachlorobutadiene	225		27.872				ND	
109 Naphthalene	128	28.257	28.257	0.000	99	97097	0.2506	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

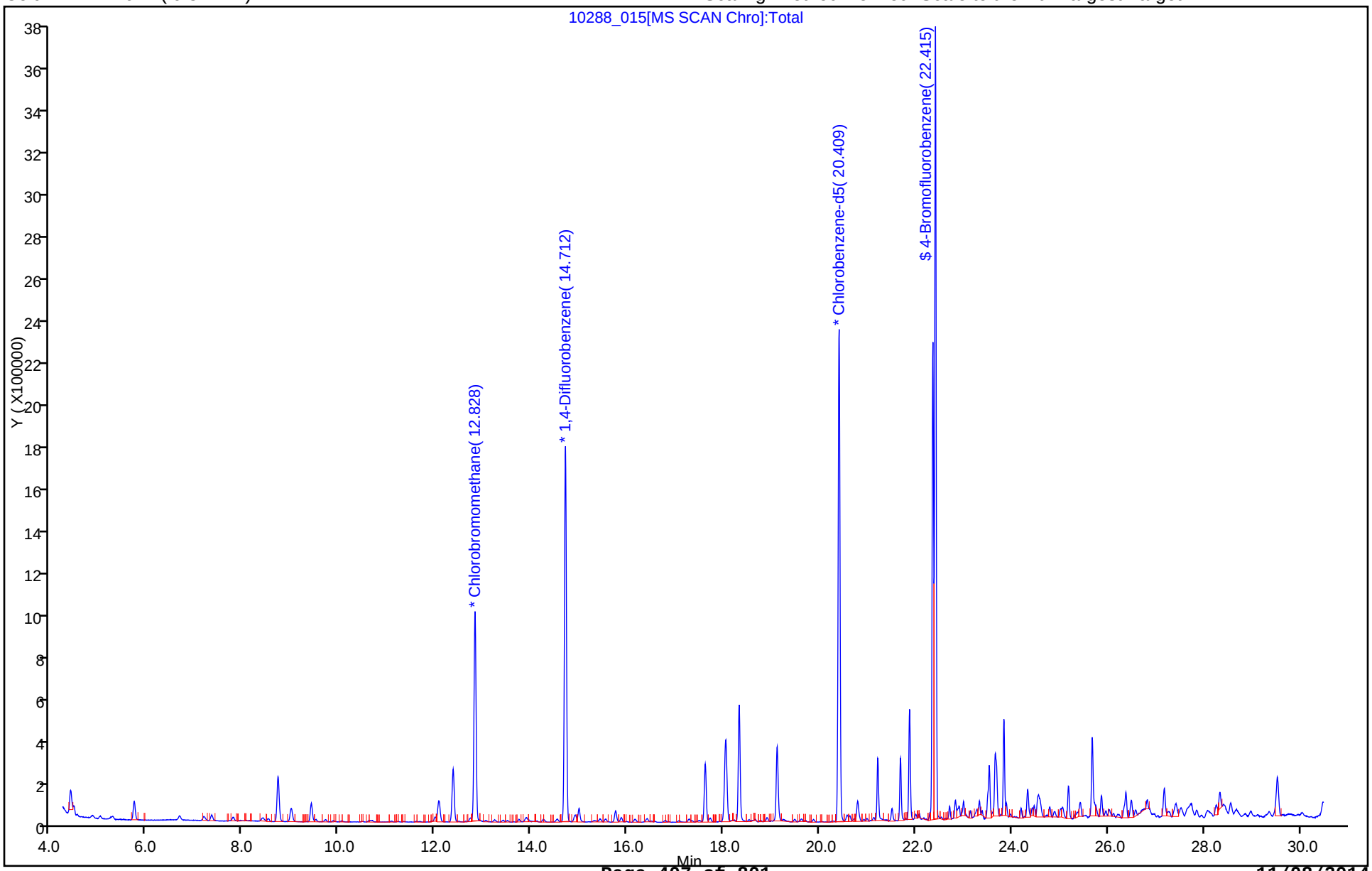
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TestAmerica Burlington

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Injection Date:	31-Oct-2014 20:41:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	280-61460-A-7	Lab Sample ID:	200-61460-7	Worklist Smp#:	15
Client ID:	101OA0305EA				
Purge Vol:	200.000 mL	Dil. Factor:	1.3400	ALS Bottle#:	14
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



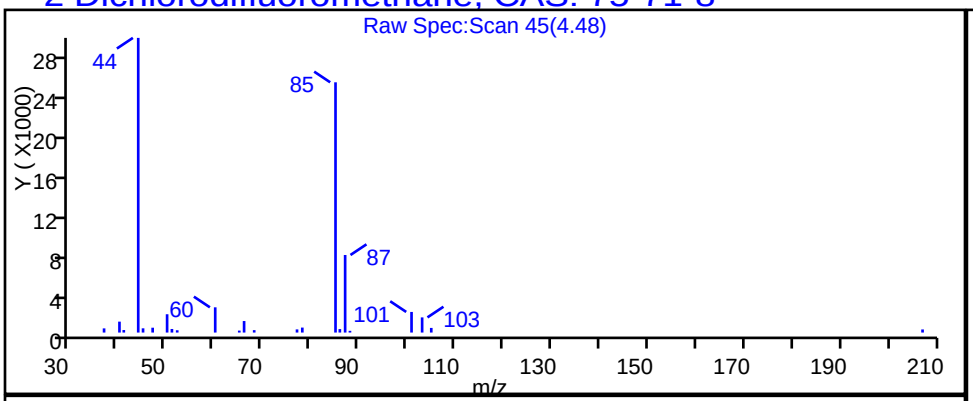
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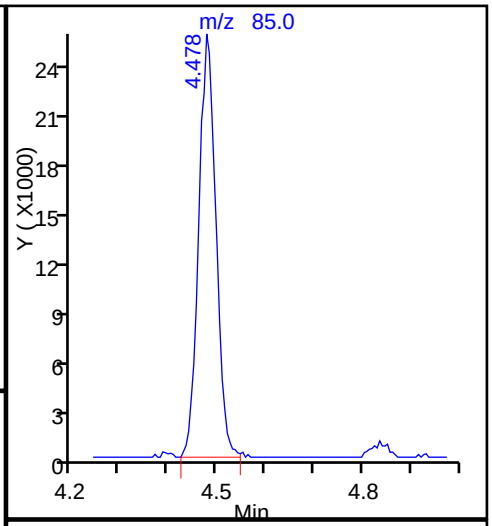
TestAmerica Burlington

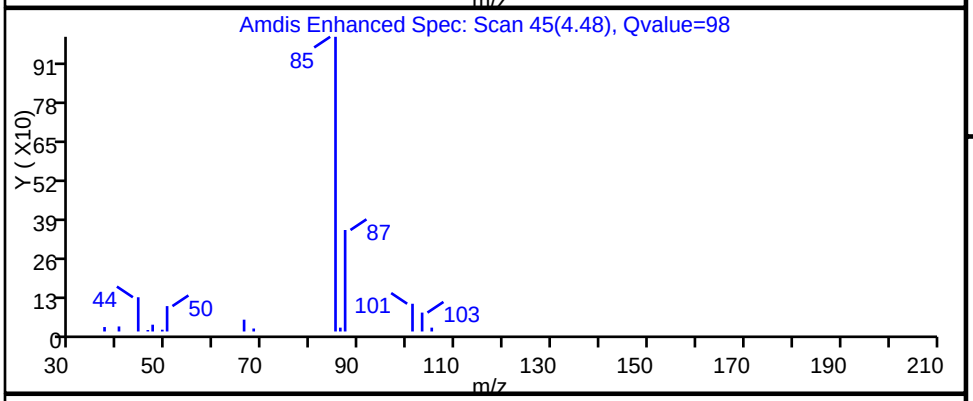
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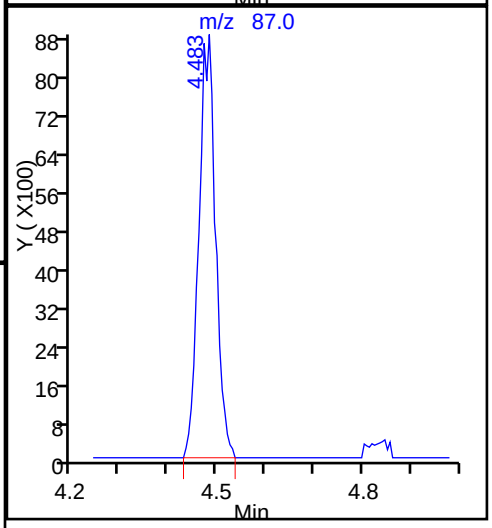
Injection Date:	31-Oct-2014 20:41:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-7	Lab Sample ID:	200-61460-7		
Client ID:	101OA0305EA				
Operator ID:	BPL	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.3400		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

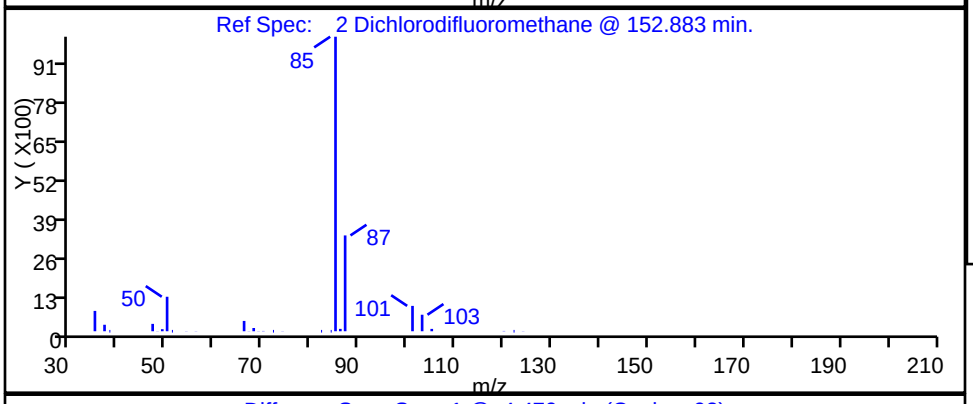
2 Dichlorodifluoromethane, CAS: 75-71-8

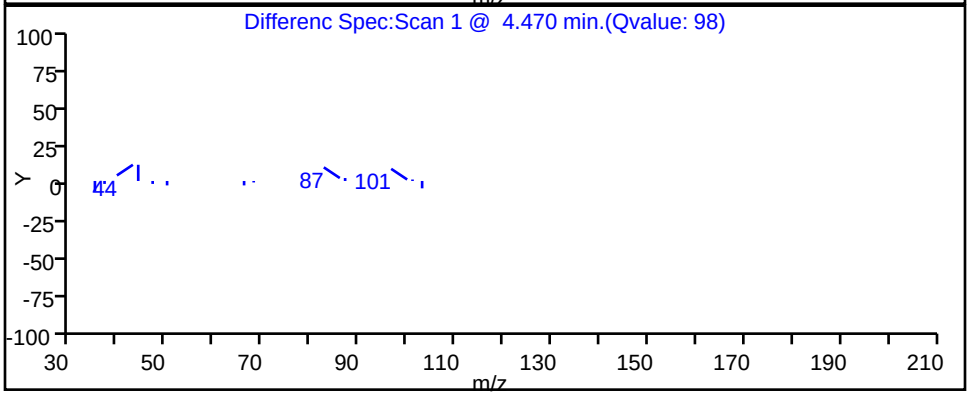












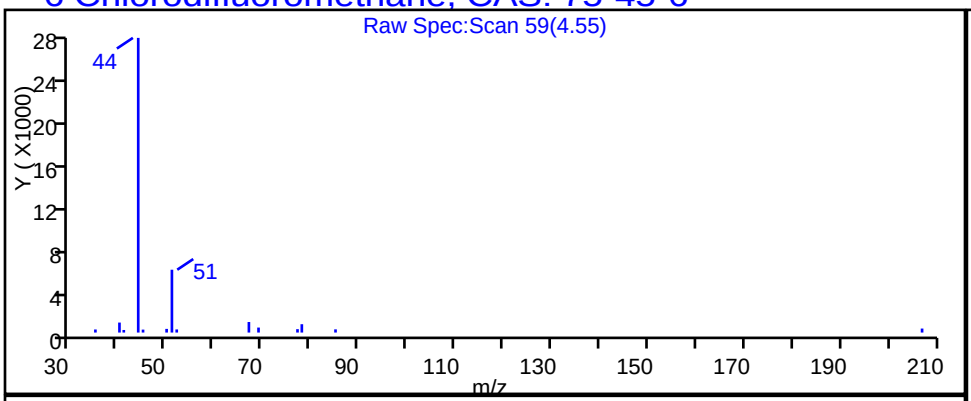
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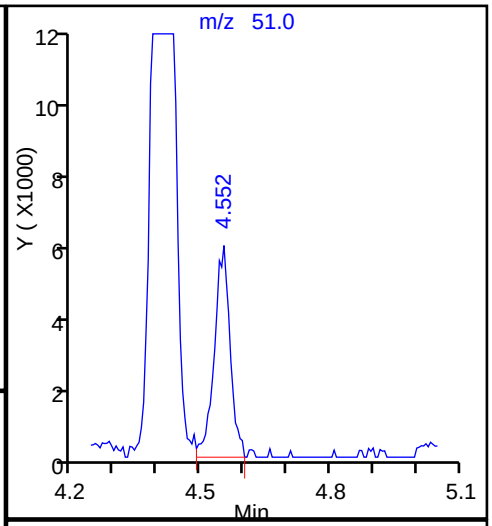
TestAmerica Burlington

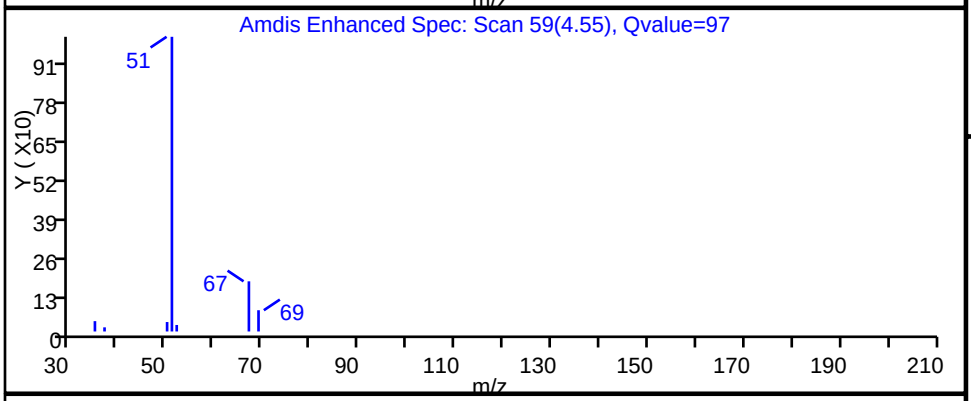
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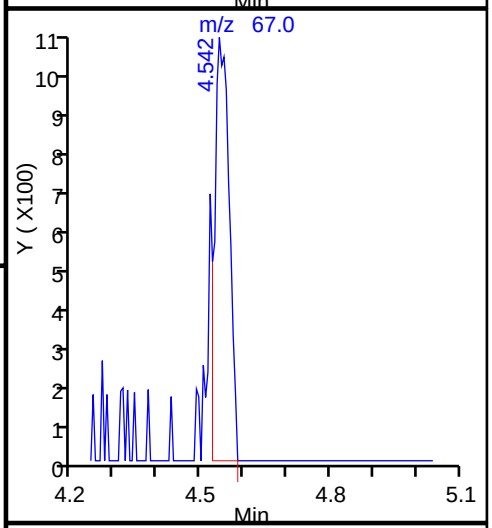
Injection Date:	31-Oct-2014 20:41:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-7	Lab Sample ID:	200-61460-7		
Client ID:	101OA0305EA				
Operator ID:	BPL	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.3400		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

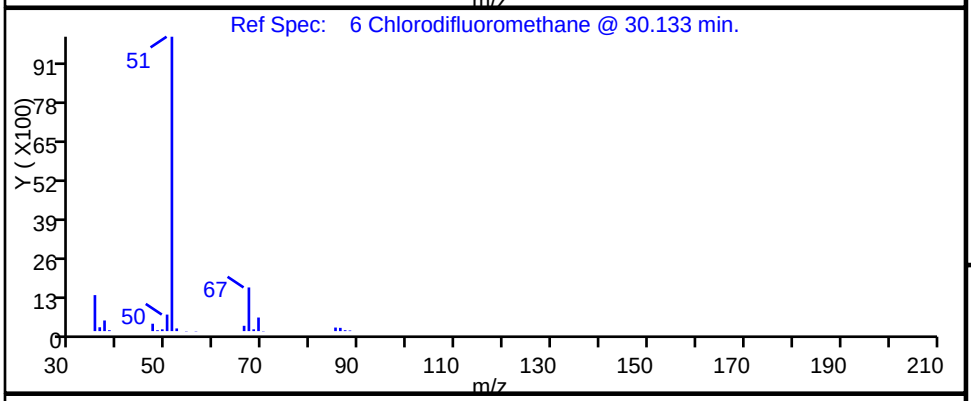
6 Chlorodifluoromethane, CAS: 75-45-6

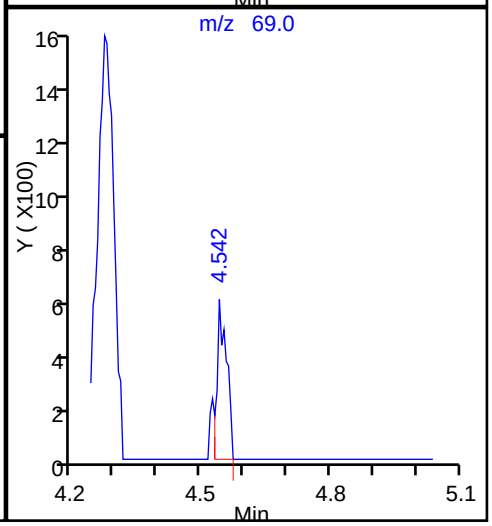


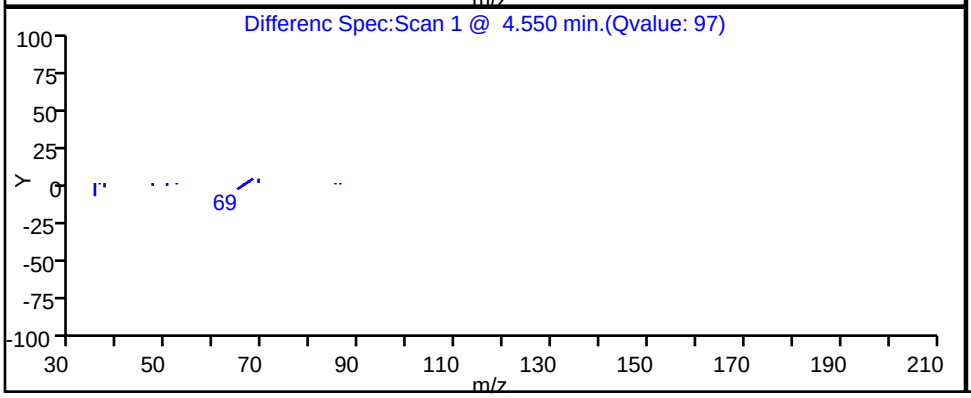












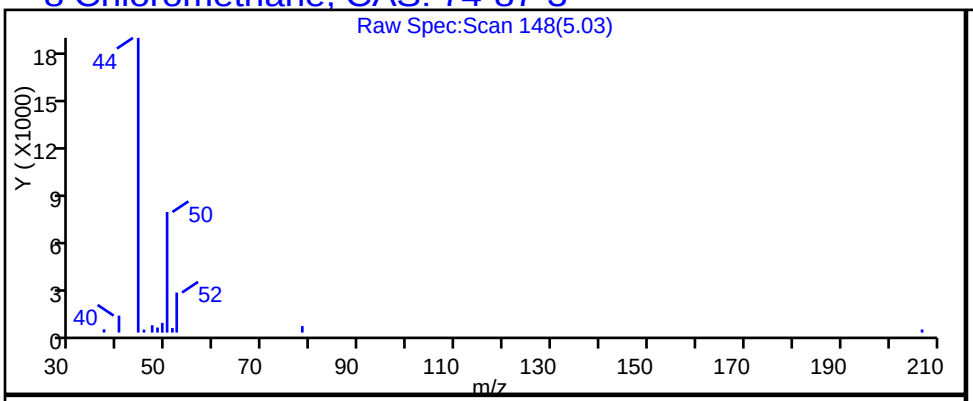
Report Date: 03-Nov-2014 09:39:35 Chrom Revision: 2.2 07-Oct-2014 12:16:06

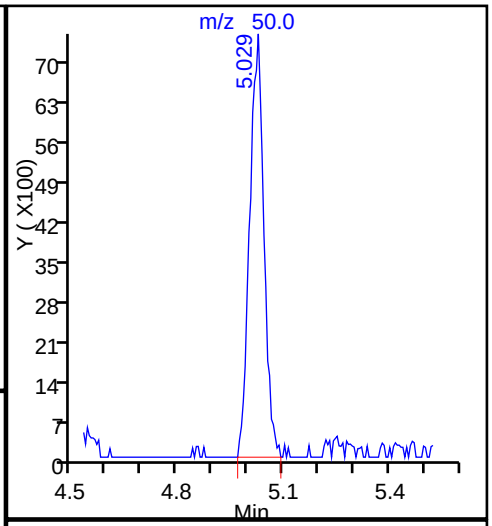
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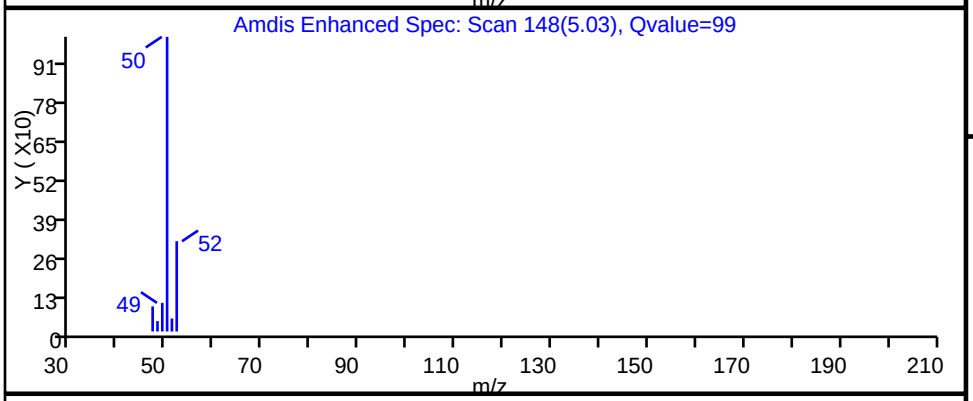
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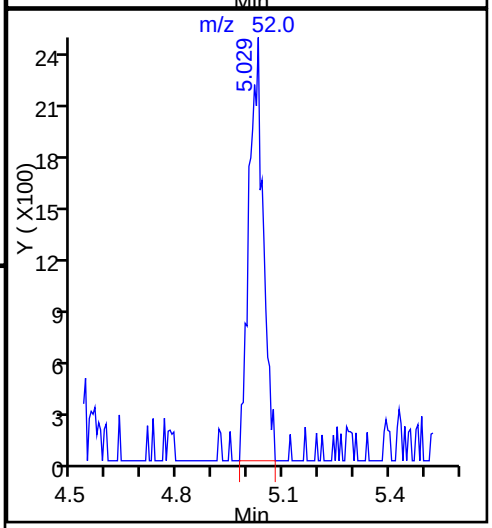
Injection Date:	31-Oct-2014 20:41:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-7	Lab Sample ID:	200-61460-7		
Client ID:	101OA0305EA				
Operator ID:	BPL	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.3400		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

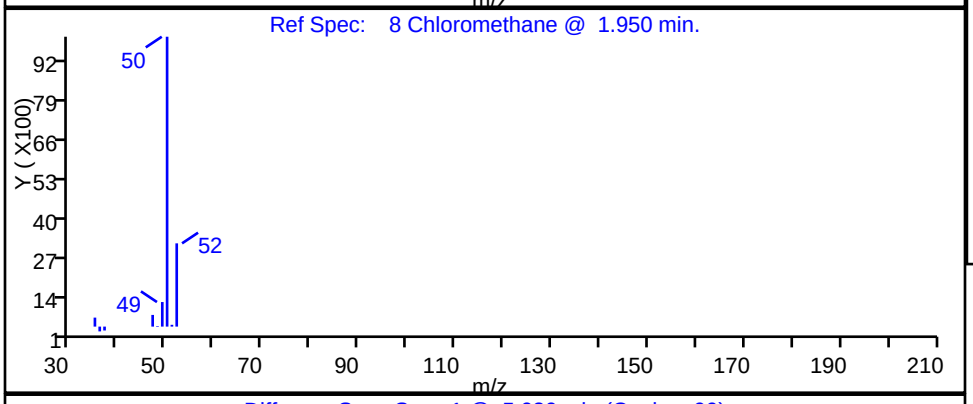
8 Chloromethane, CAS: 74-87-3

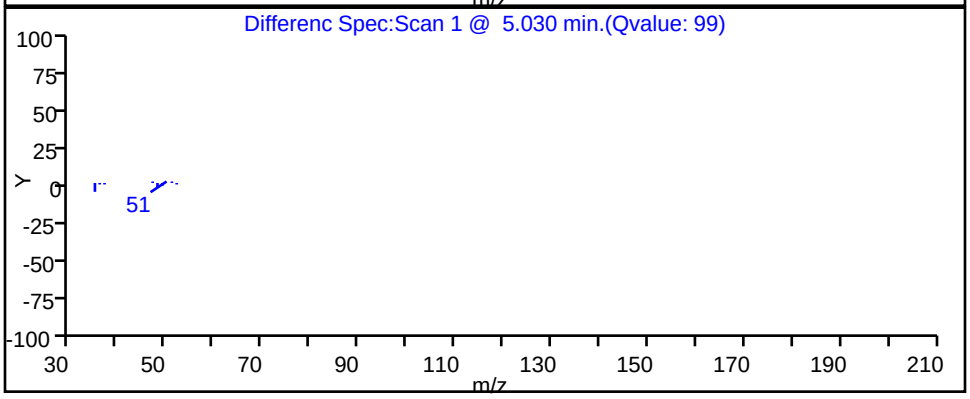












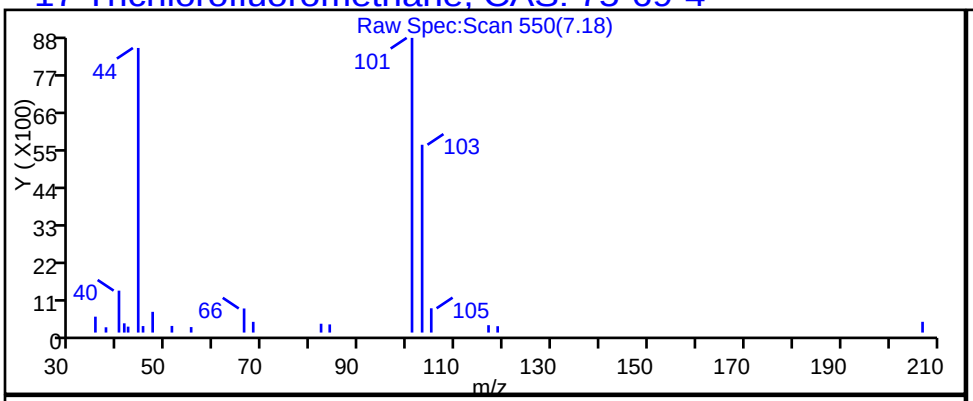
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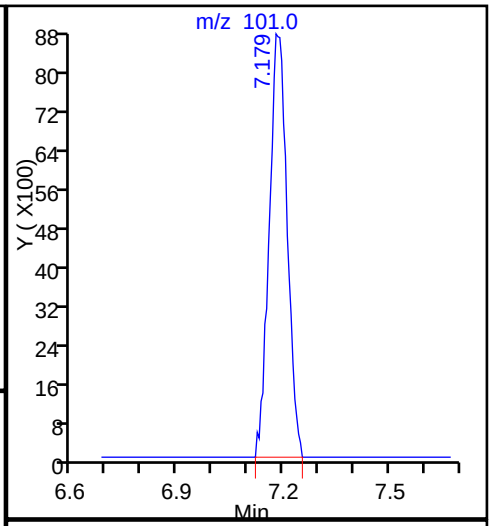
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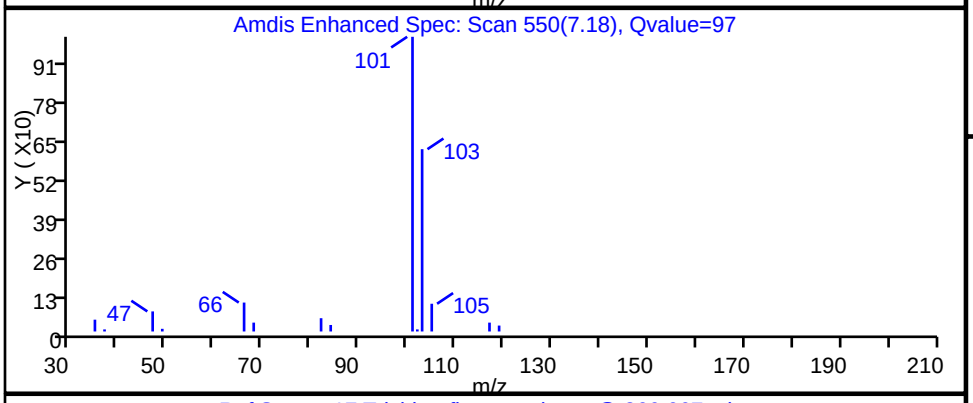
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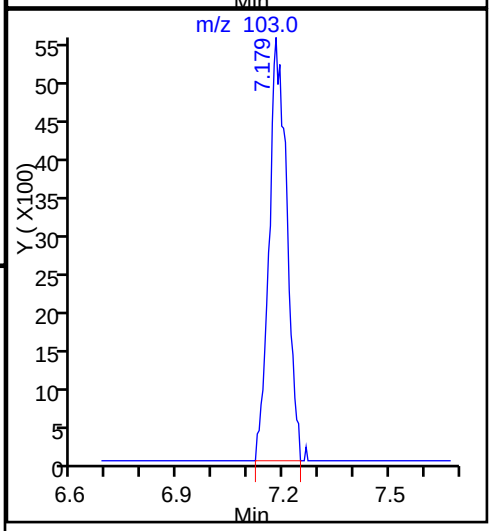
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Lims ID:	280-61460-A-7	Lab Sample ID:	200-61460-7		
Client ID:	101OA0305EA				
Operator ID:	BPL	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.3400		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

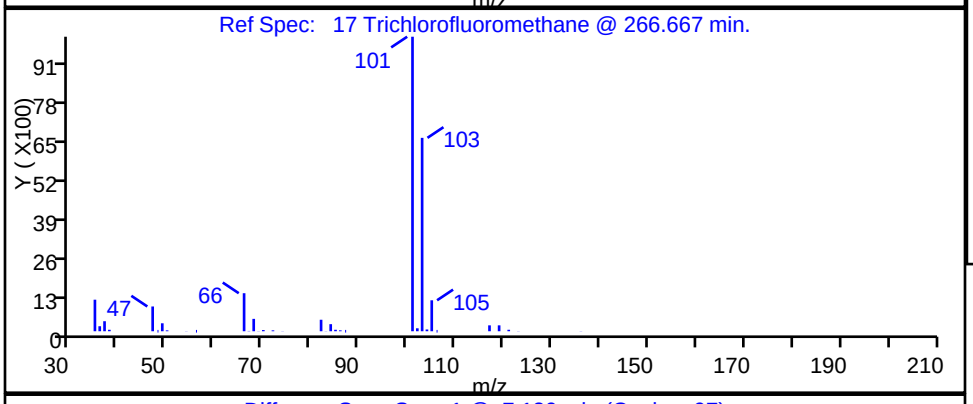
17 Trichlorofluoromethane, CAS: 75-69-4

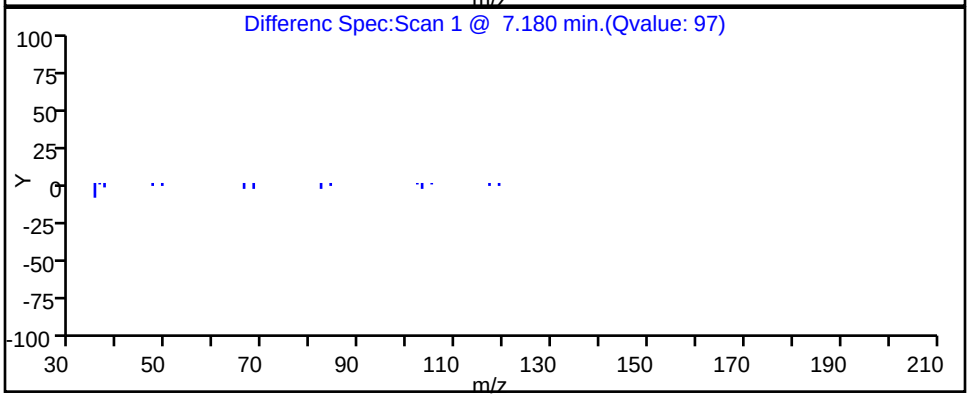












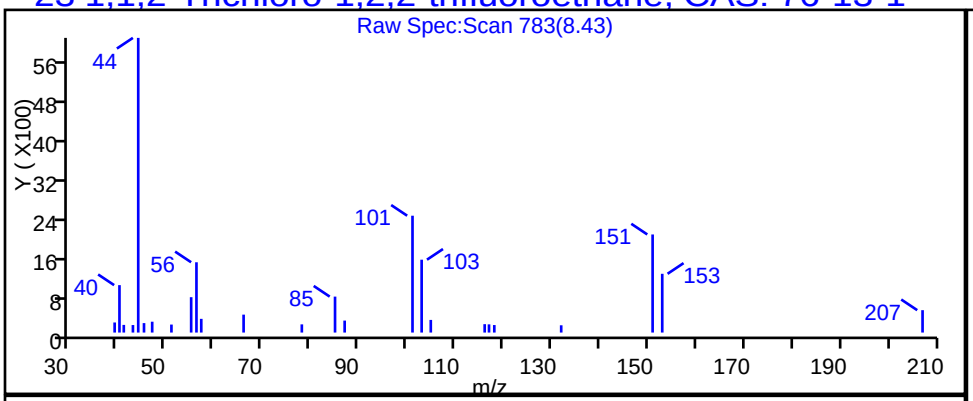
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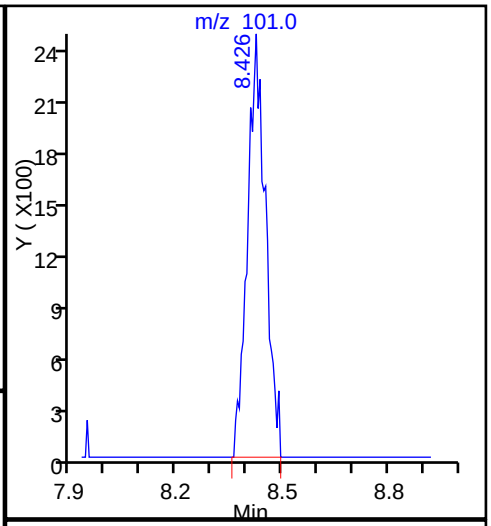
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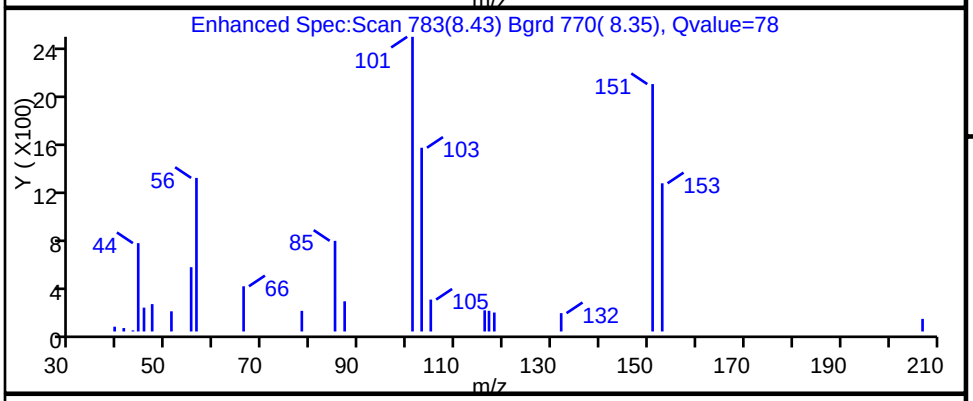
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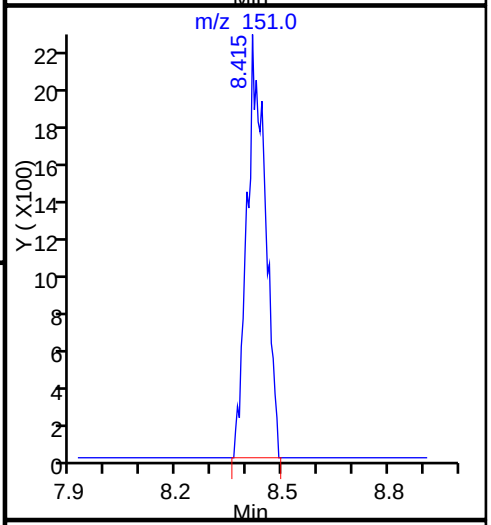
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Lims ID:	280-61460-A-7	Lab Sample ID:	200-61460-7		
Client ID:	101OA0305EA				
Operator ID:	BPL	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.3400		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

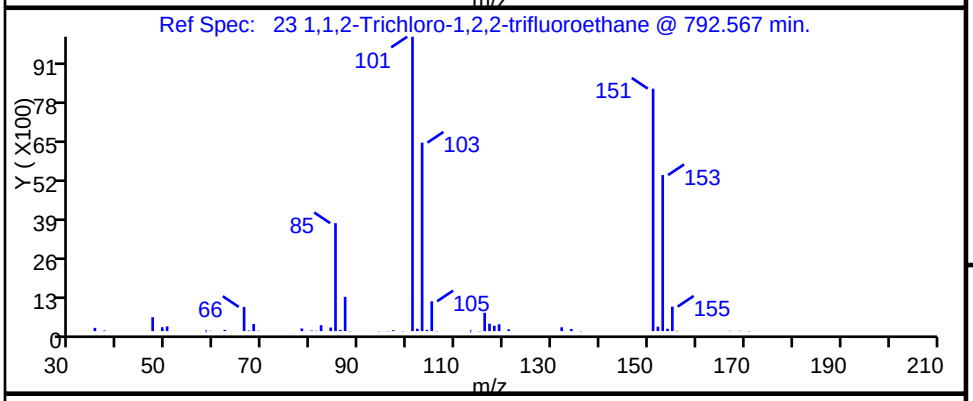
23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

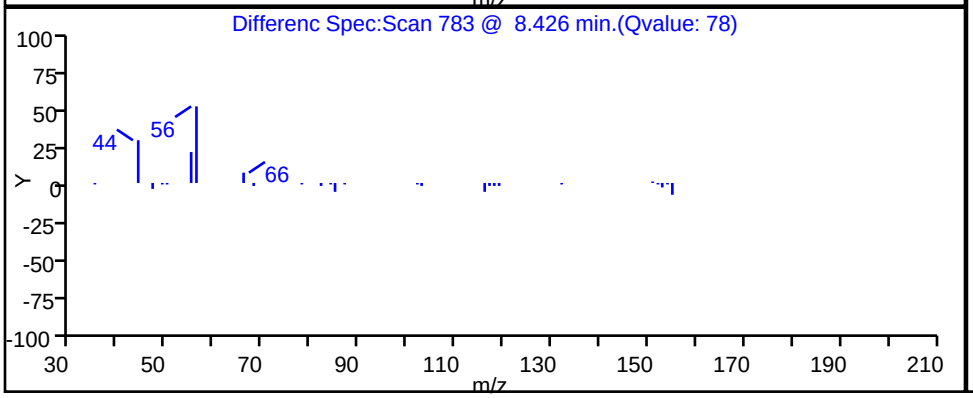


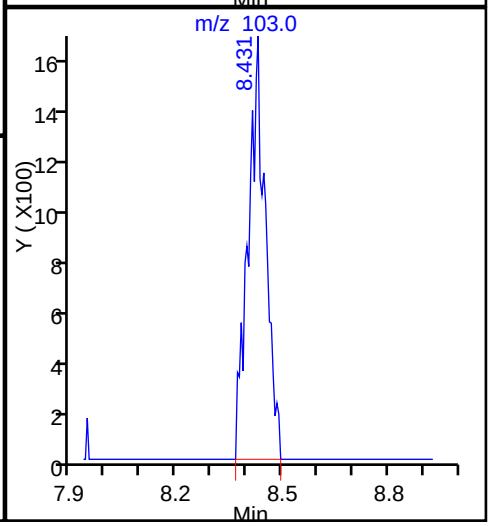












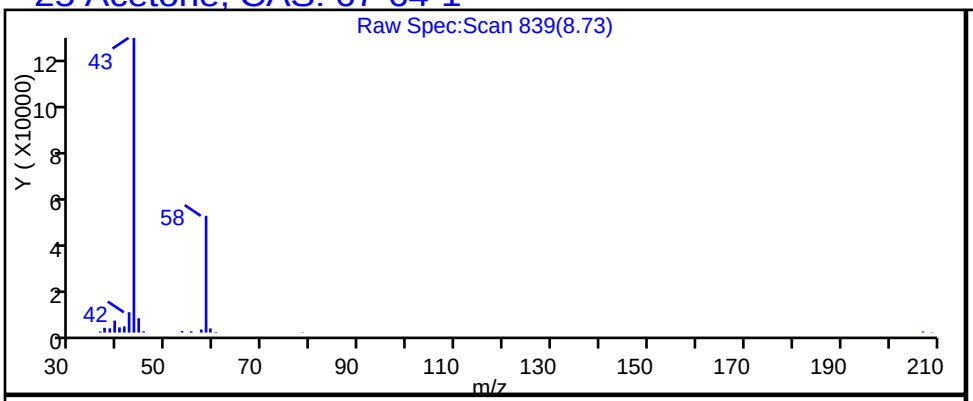
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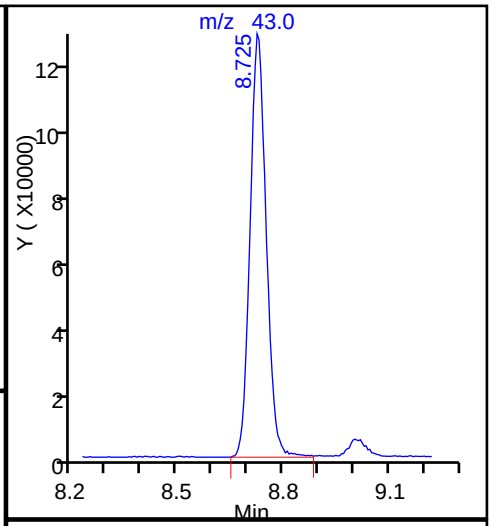
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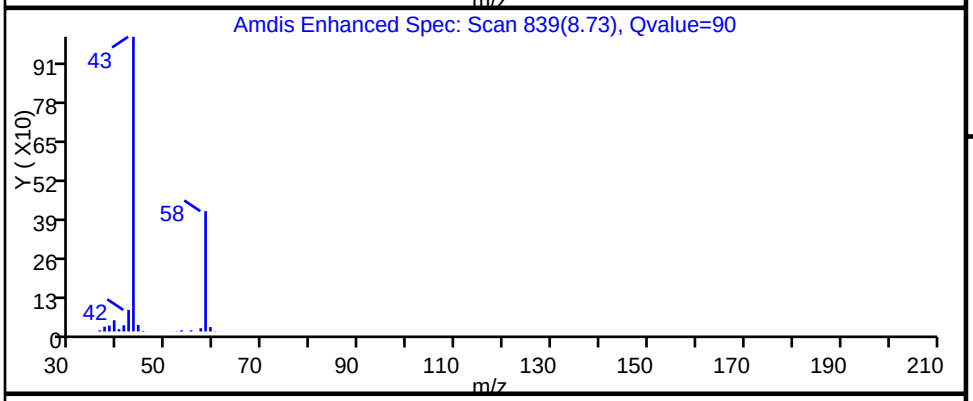
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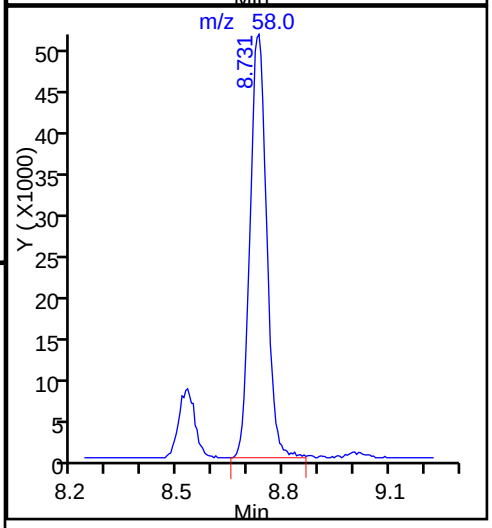
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Client ID:	101OA0305EA				
Operator ID:	BPL	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.3400		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

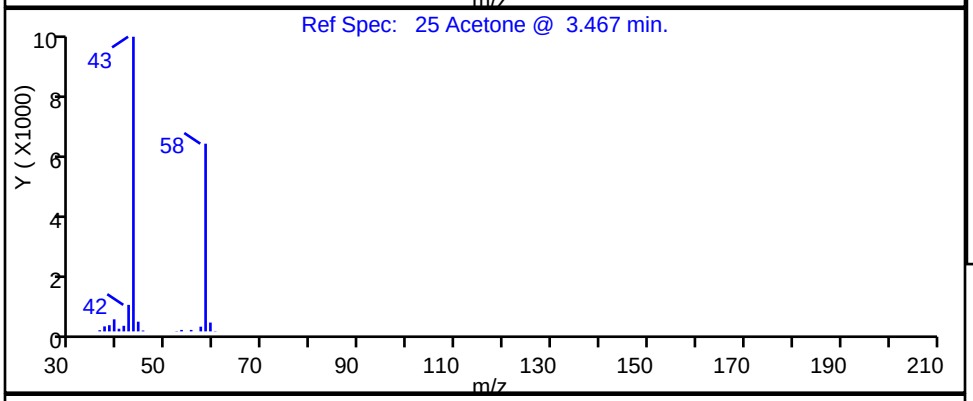
25 Acetone, CAS: 67-64-1

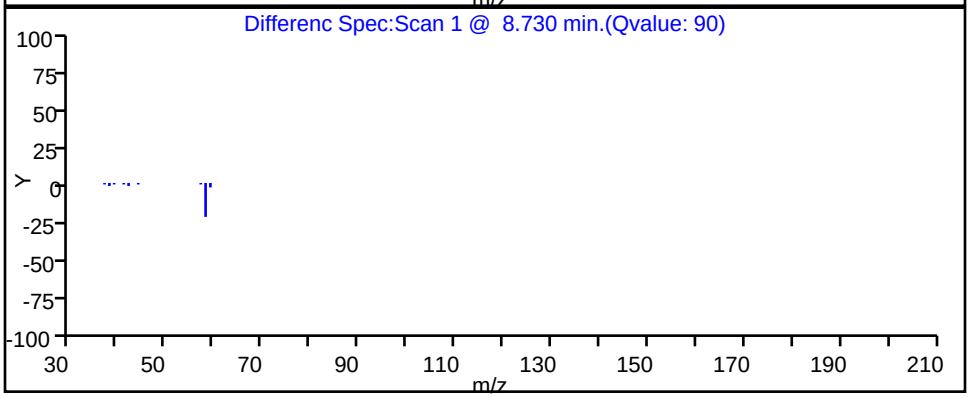












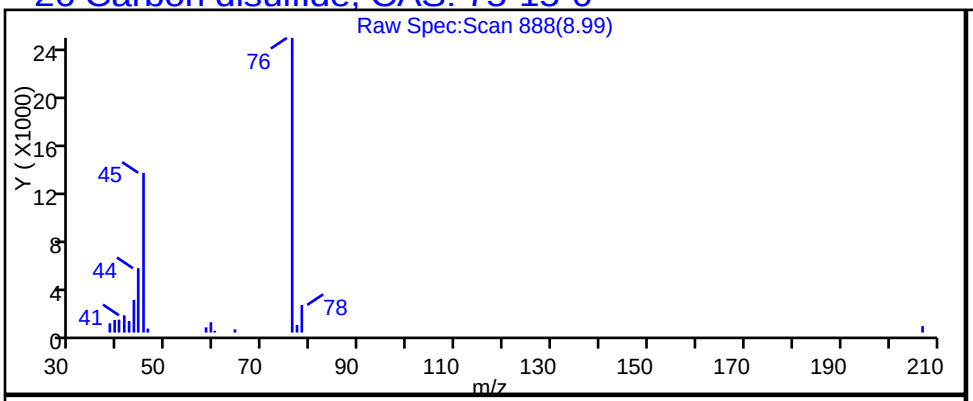
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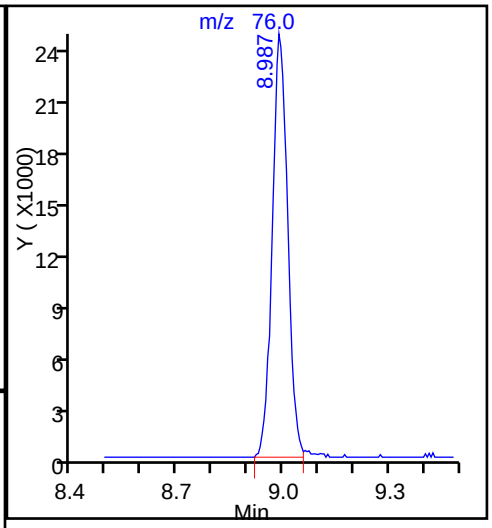
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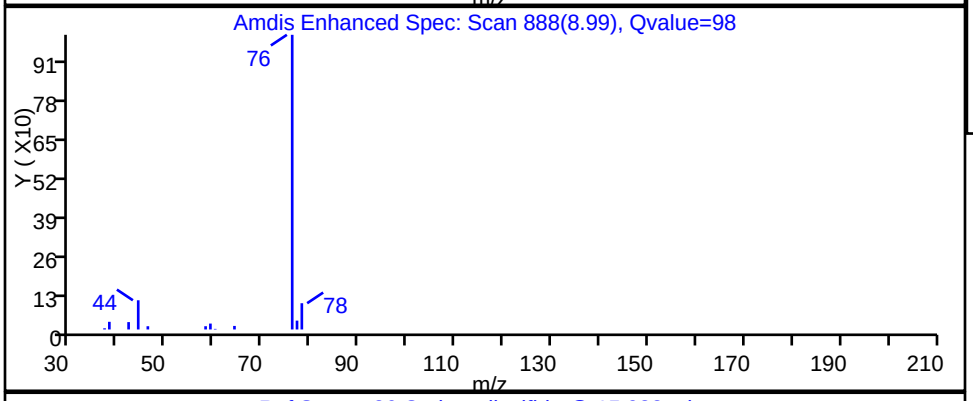
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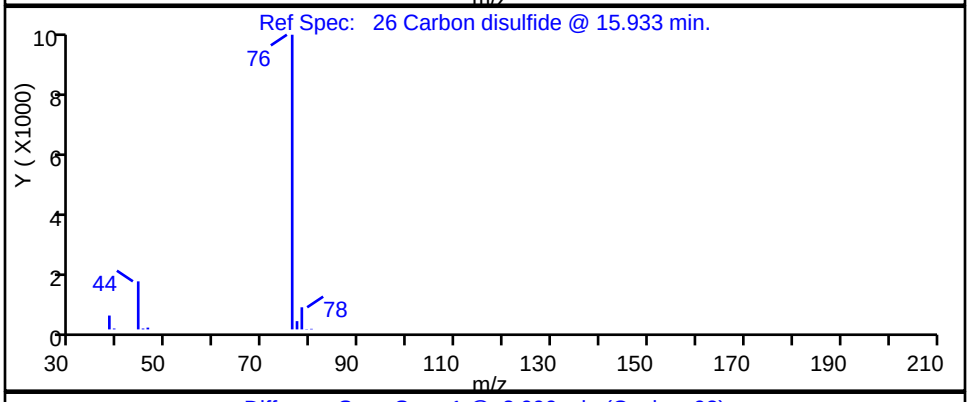
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Lims ID:	280-61460-A-7	Lab Sample ID:	200-61460-7		
Client ID:	101OA0305EA				
Operator ID:	BPL	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.3400		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

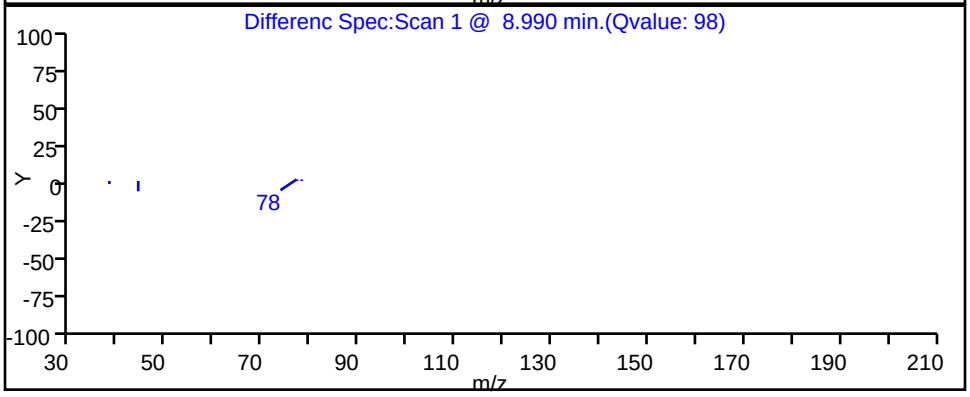
26 Carbon disulfide, CAS: 75-15-0











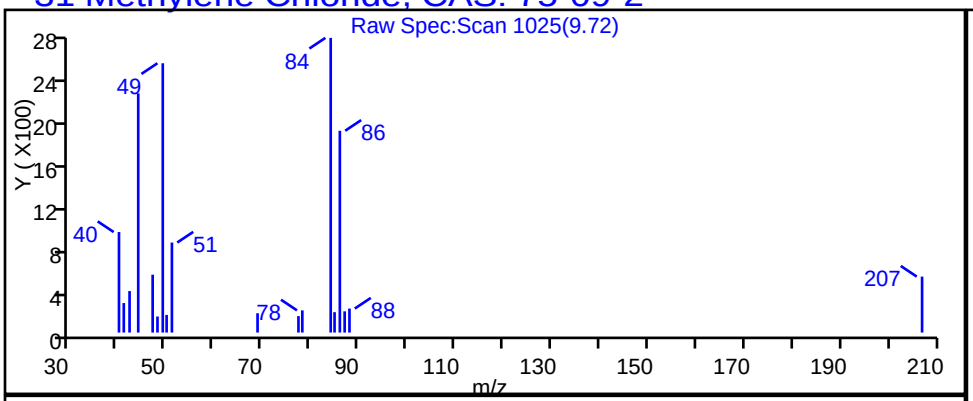
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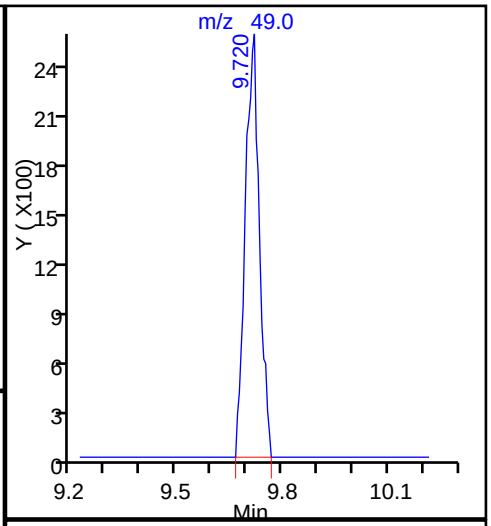
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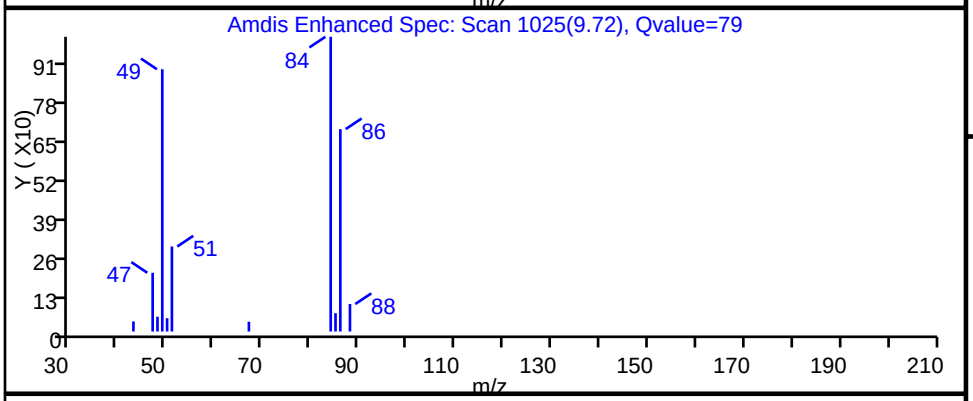
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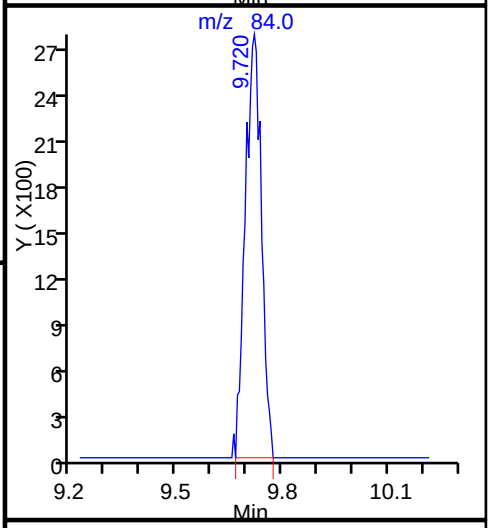
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Client ID:	101OA0305EA				
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Purge Vol:	200.000 mL	Dil. Factor:	1.3400		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

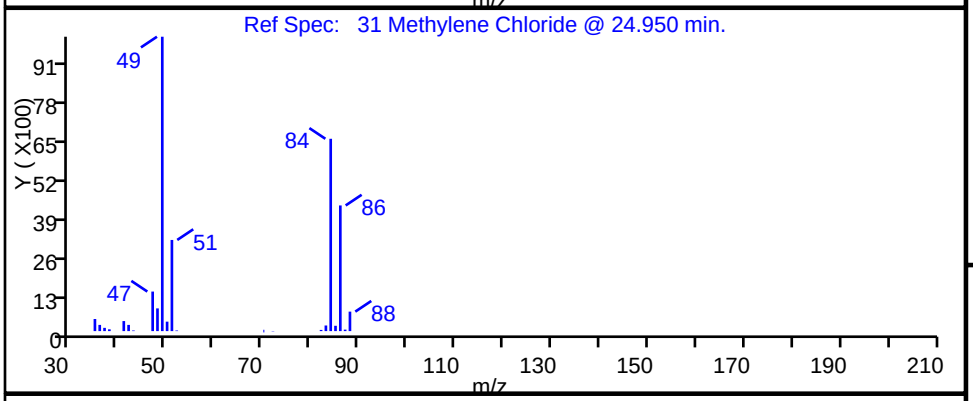
31 Methylene Chloride, CAS: 75-09-2

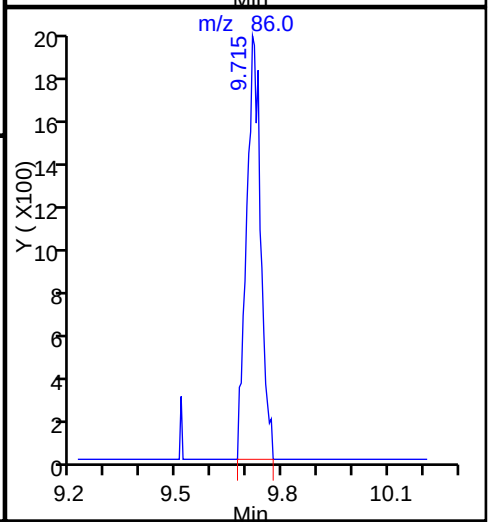


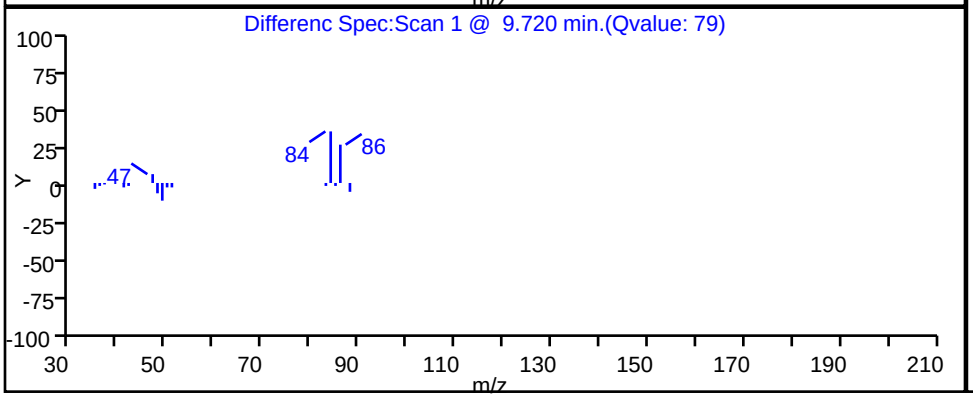












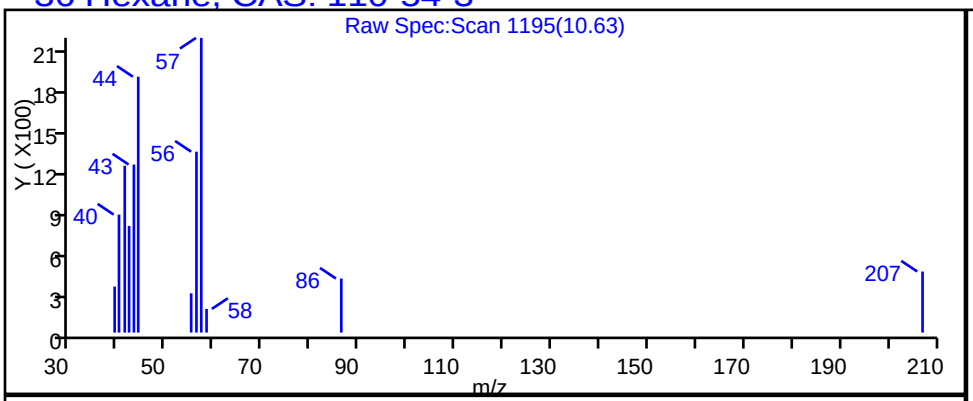
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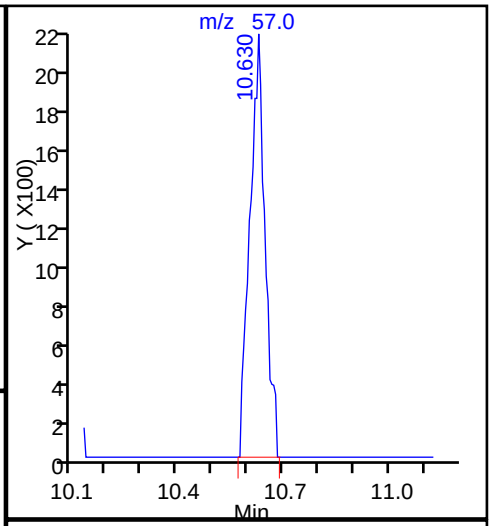
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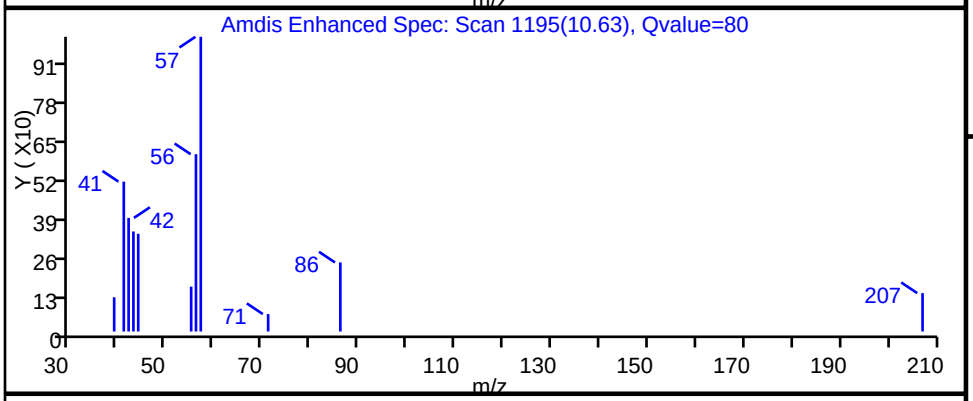
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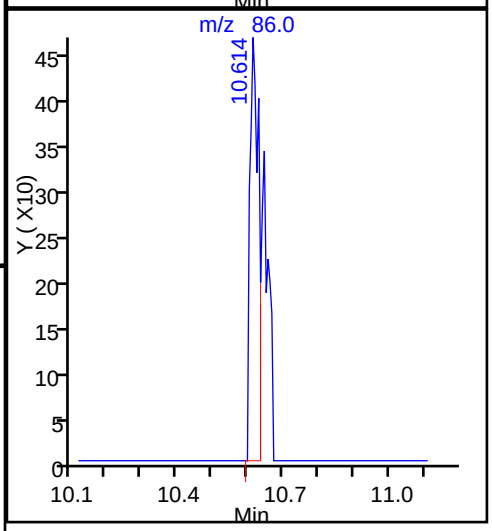
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Purge Vol:	200.000 mL	Dil. Factor:	1.3400		
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Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

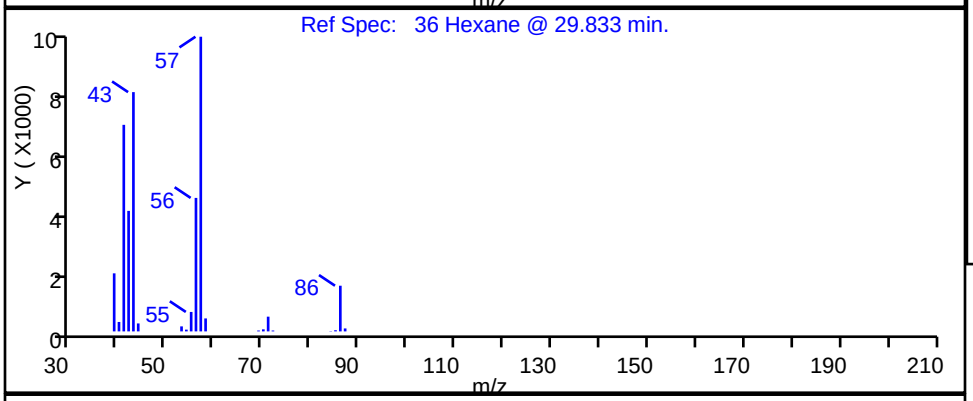
36 Hexane, CAS: 110-54-3

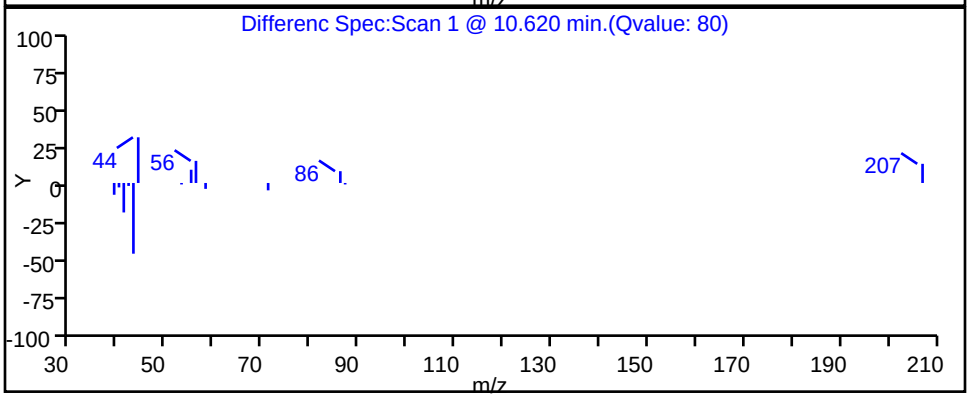








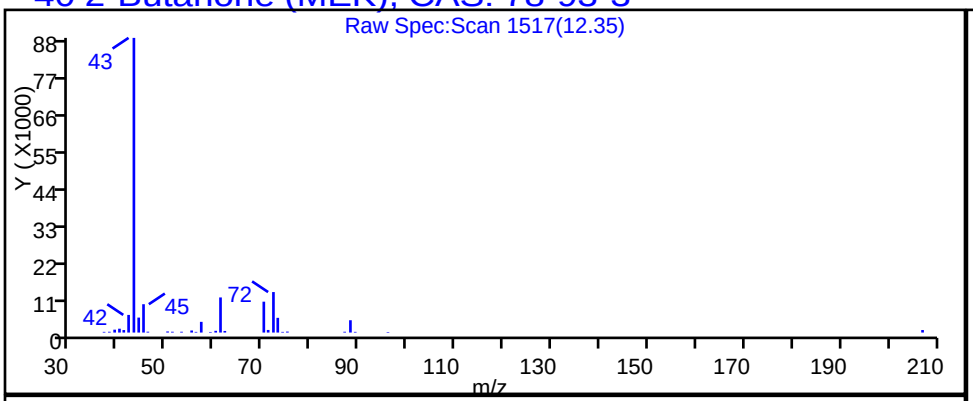


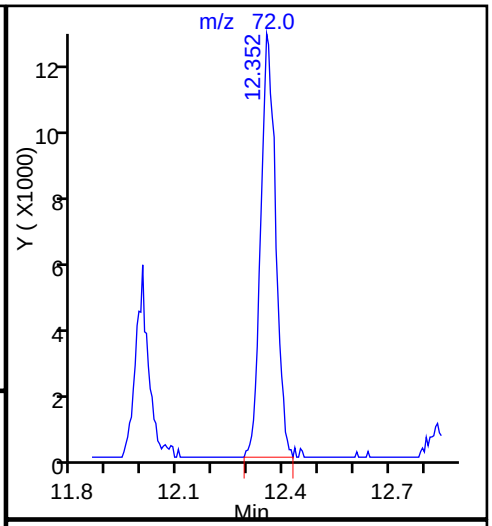


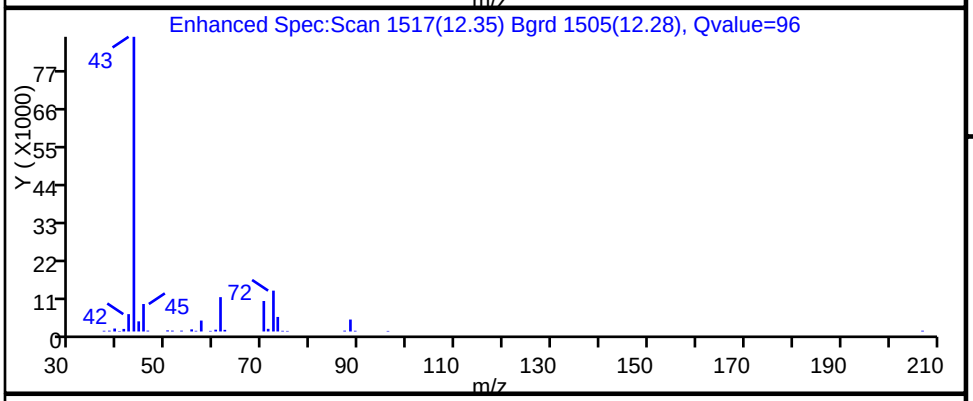
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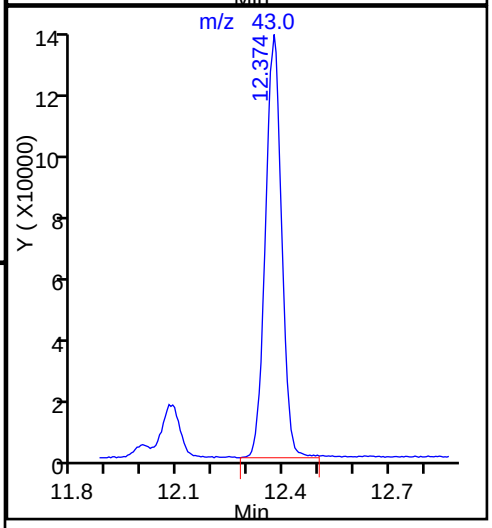
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Lims ID:	280-61460-A-7	Lab Sample ID:	200-61460-7		
Client ID:	101OA0305EA				
Operator ID:	BPL	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.3400		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

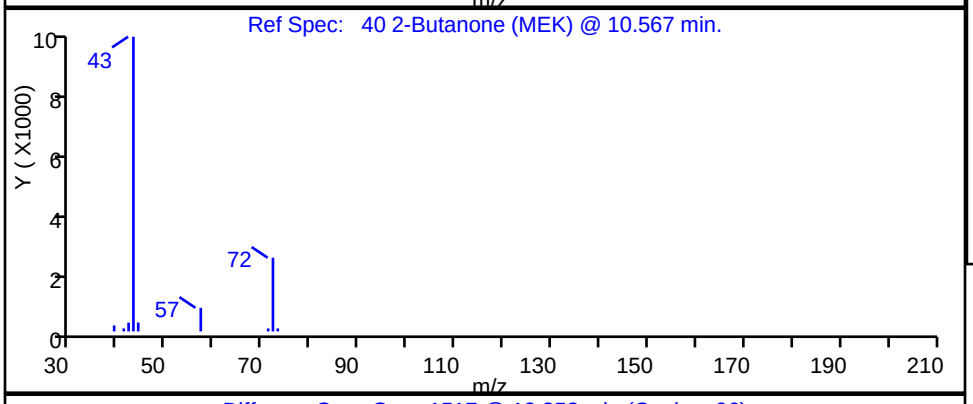
40 2-Butanone (MEK), CAS: 78-93-3

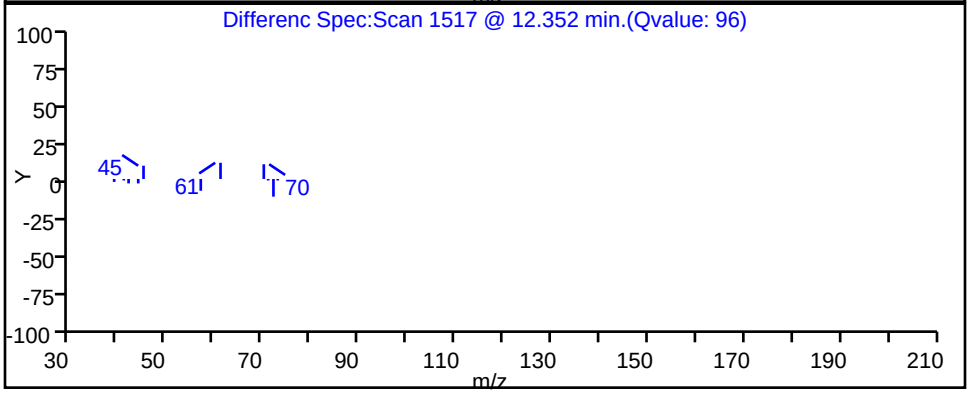












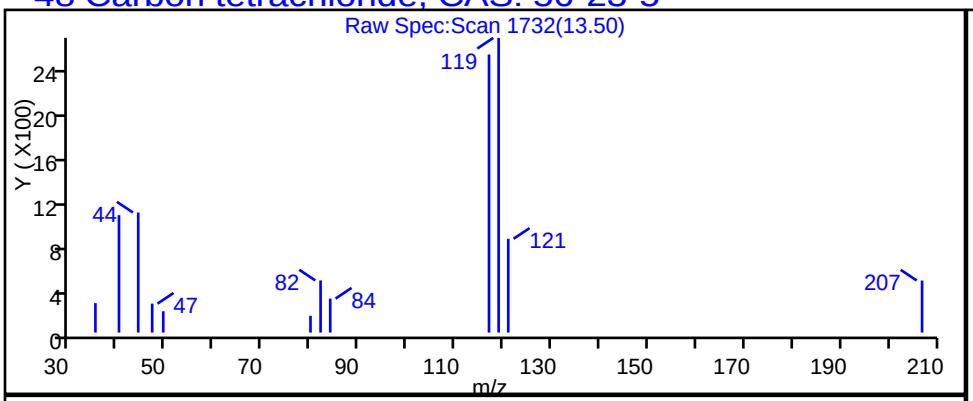
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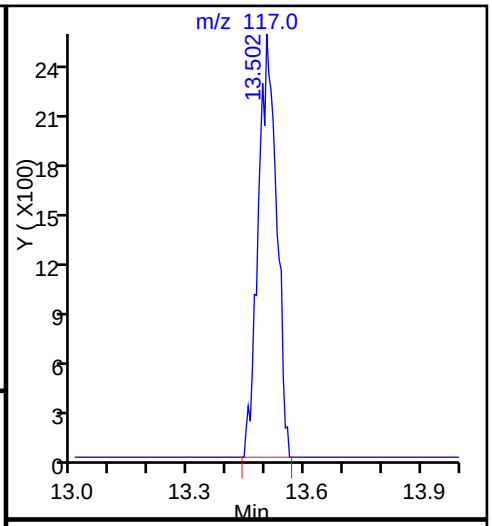
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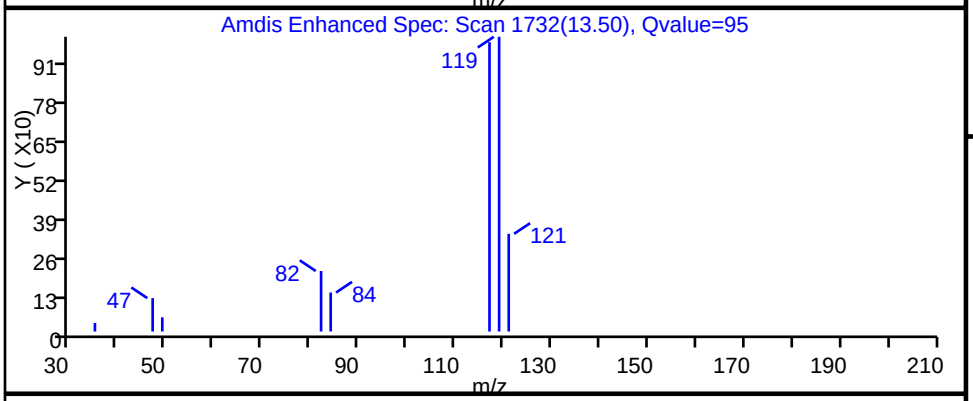
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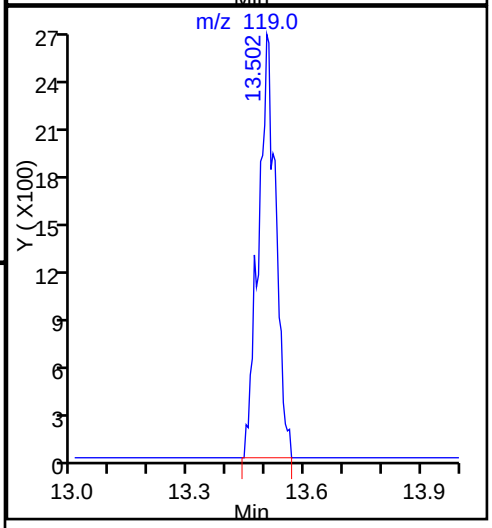
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Lims ID:	280-61460-A-7	Lab Sample ID:	200-61460-7		
Client ID:	101OA0305EA				
Operator ID:	BPL	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.3400		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

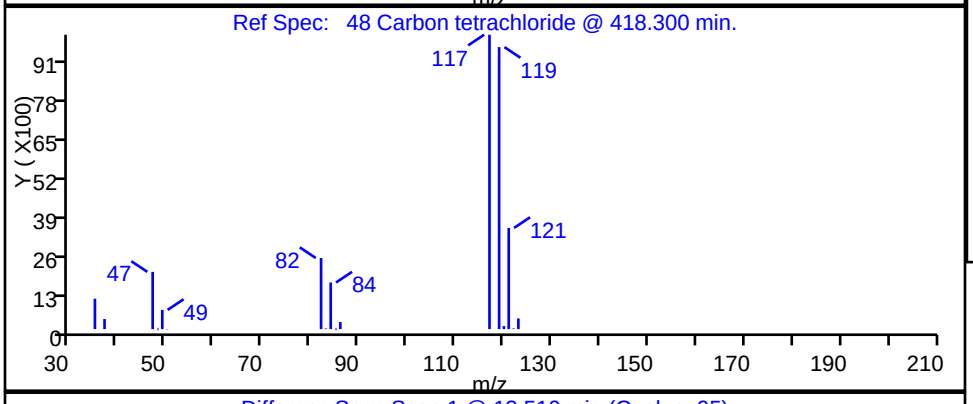
48 Carbon tetrachloride, CAS: 56-23-5

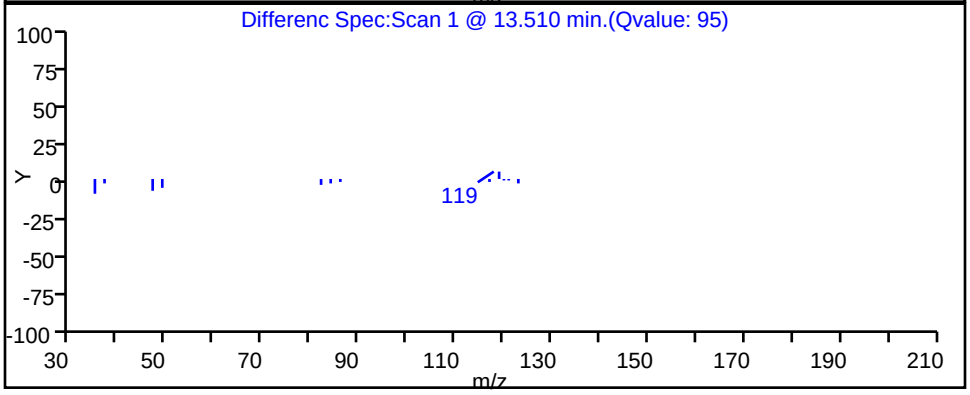










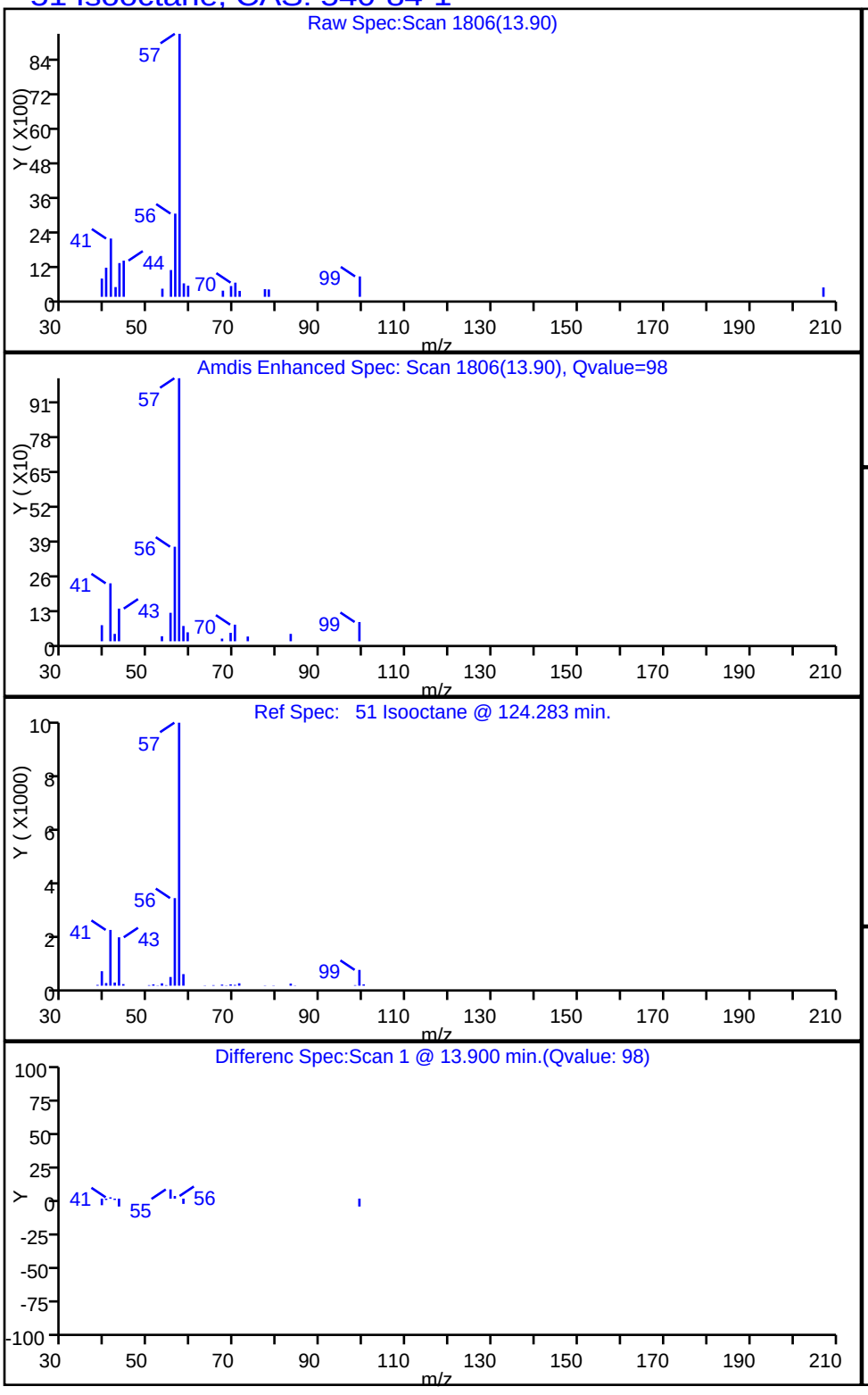


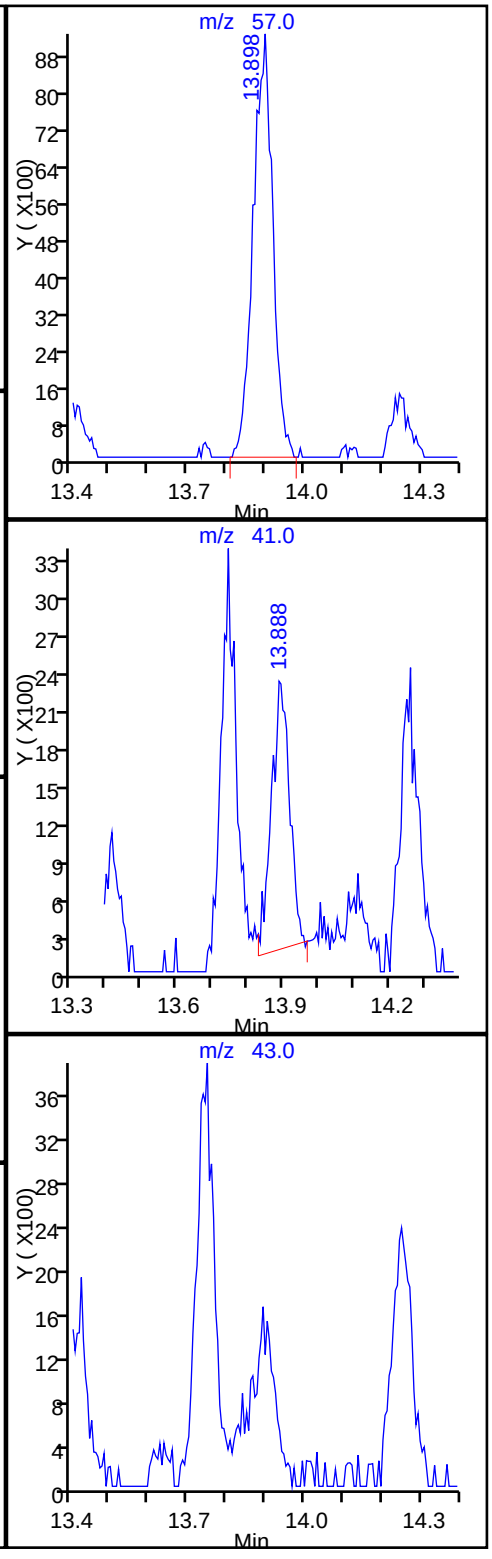
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Lims ID:	280-61460-A-7	Lab Sample ID:	200-61460-7		
Client ID:	101OA0305EA				
Operator ID:	BPL	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.3400		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

51 Isooctane, CAS: 540-84-1





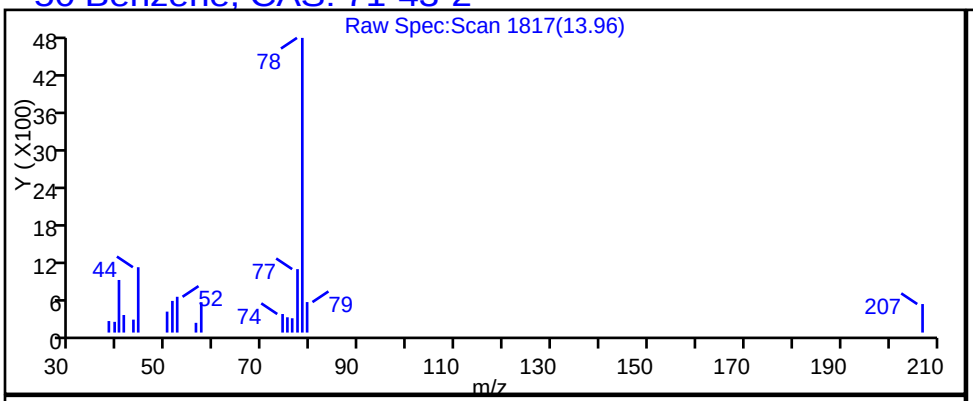
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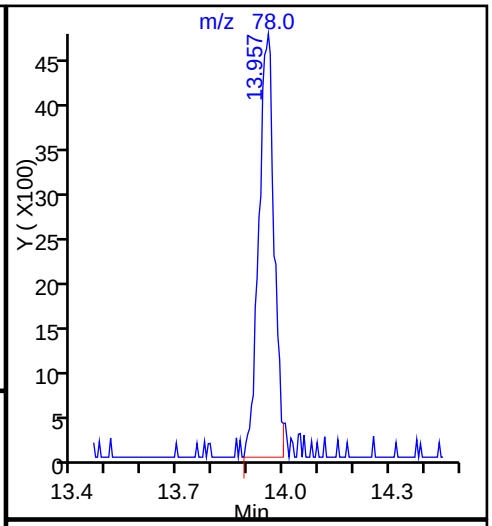
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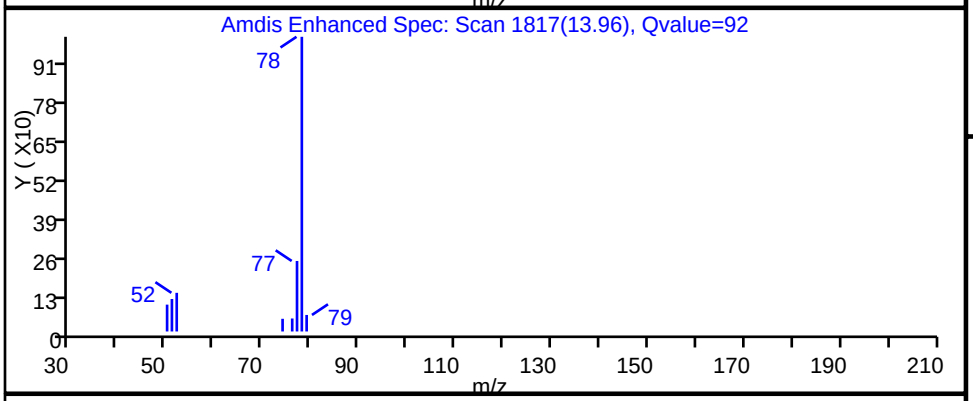
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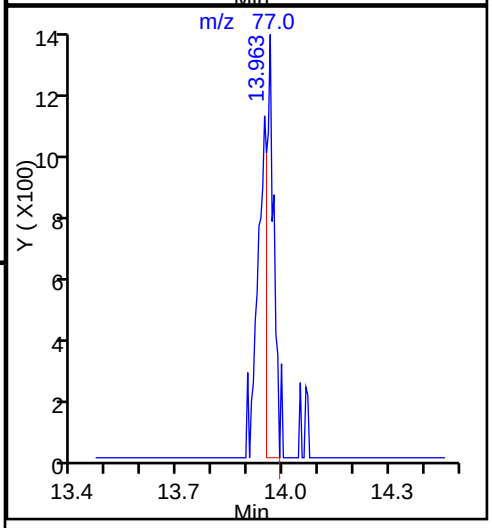
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Client ID:	101OA0305EA				
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Purge Vol:	200.000 mL	Dil. Factor:	1.3400		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

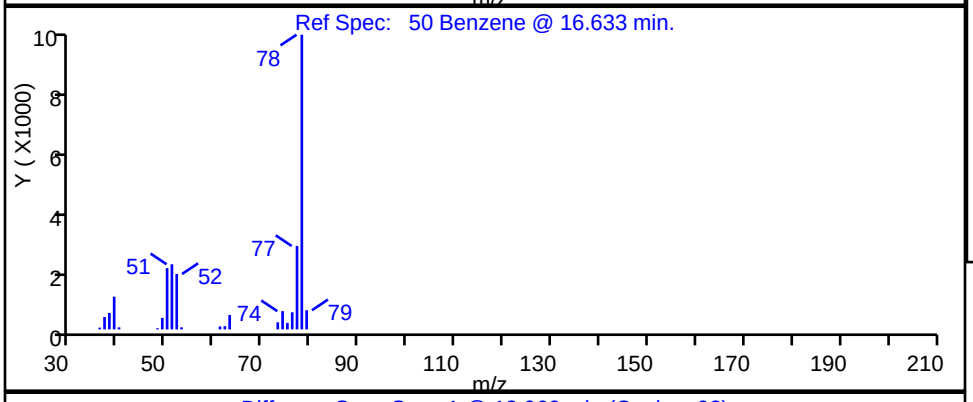
50 Benzene, CAS: 71-43-2

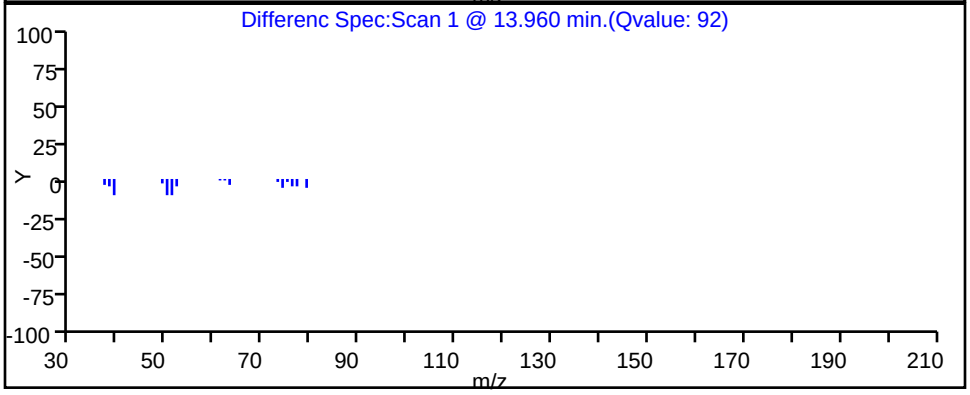












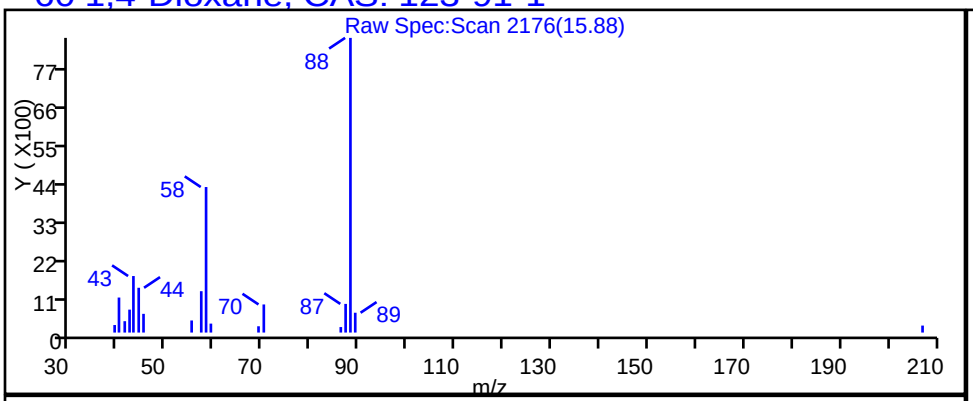
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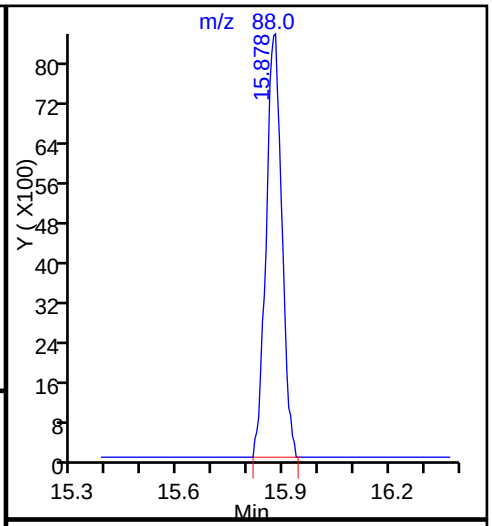
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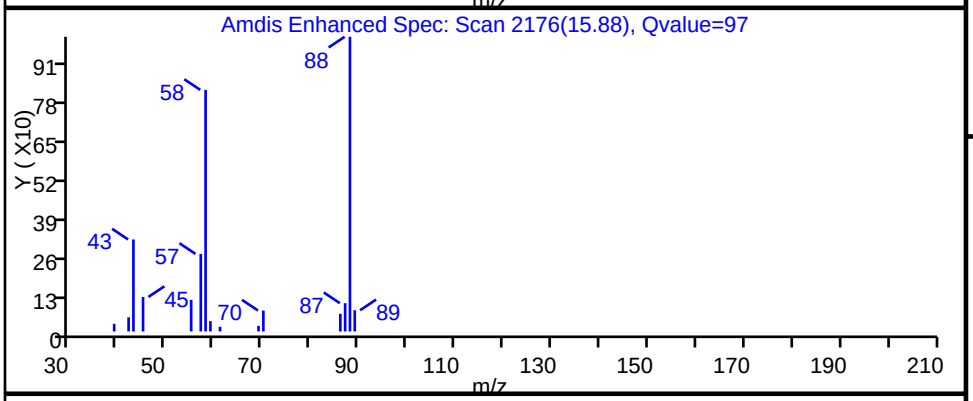
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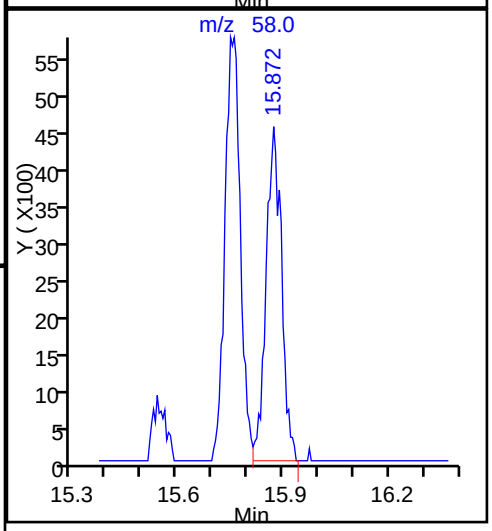
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Lims ID:	280-61460-A-7	Lab Sample ID:	200-61460-7		
Client ID:	101OA0305EA				
Operator ID:	BPL	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.3400		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

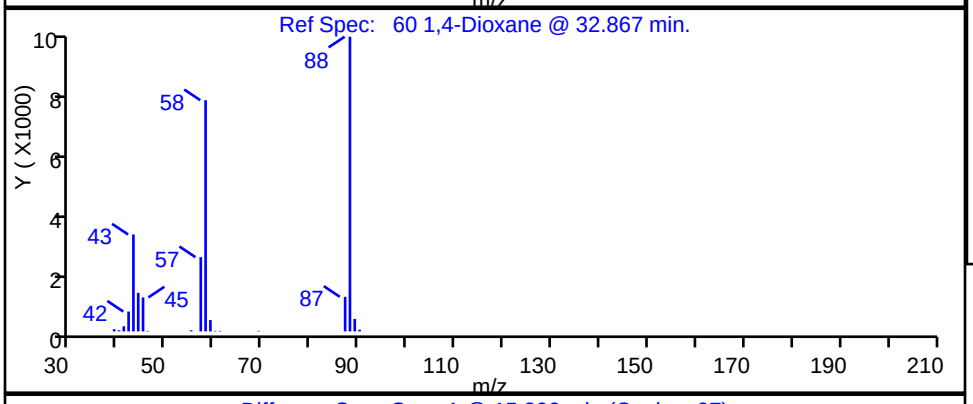
60 1,4-Dioxane, CAS: 123-91-1

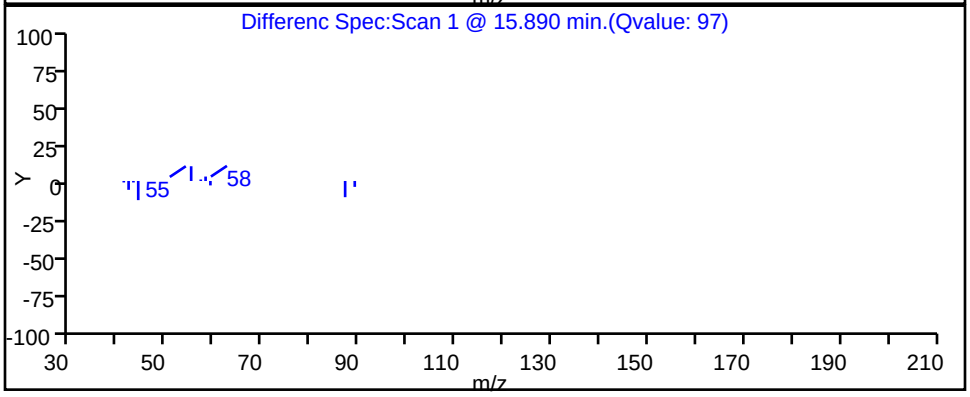












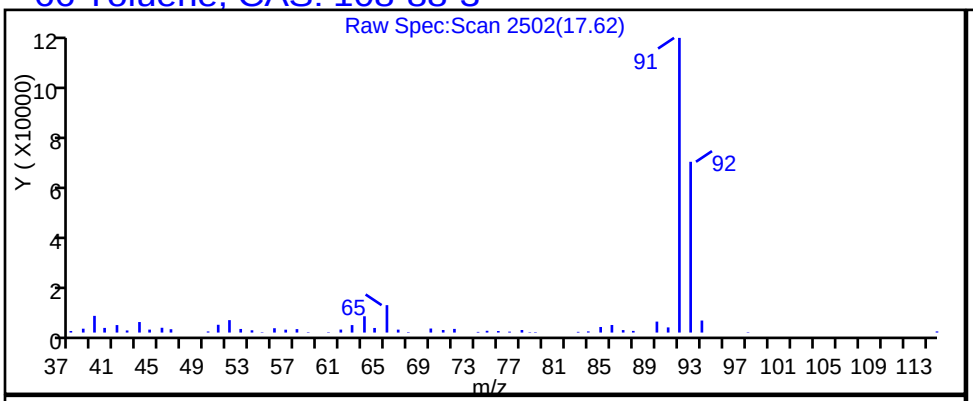
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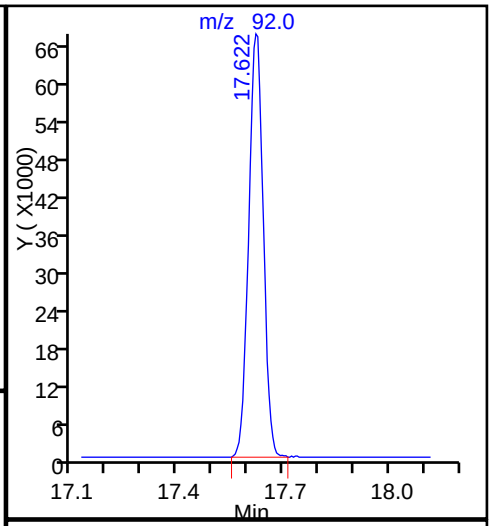
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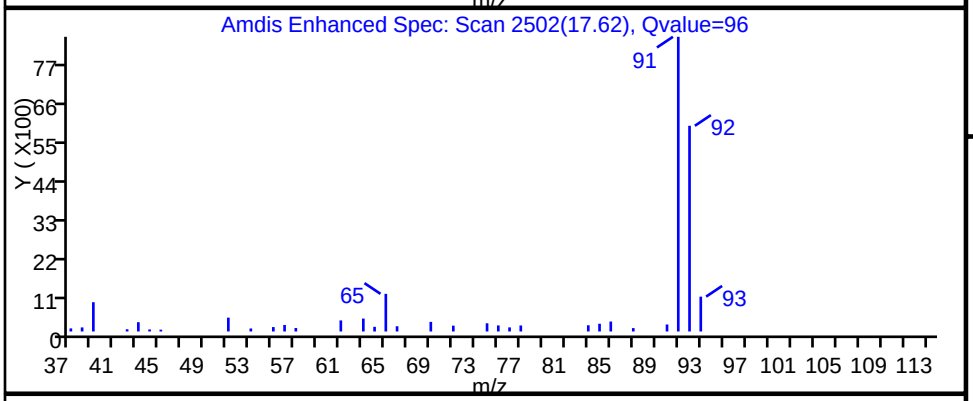
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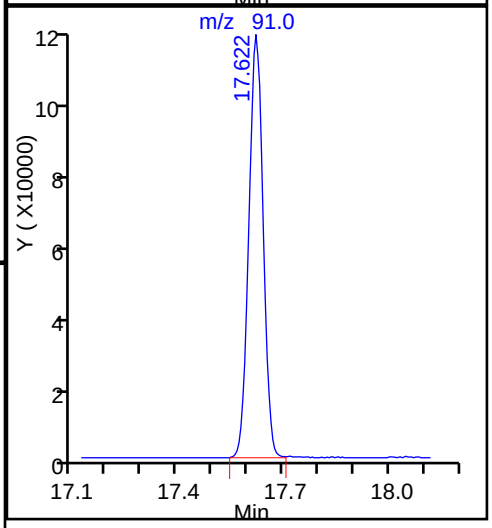
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Lims ID:	280-61460-A-7	Lab Sample ID:	200-61460-7		
Client ID:	101OA0305EA				
Operator ID:	BPL	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.3400		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

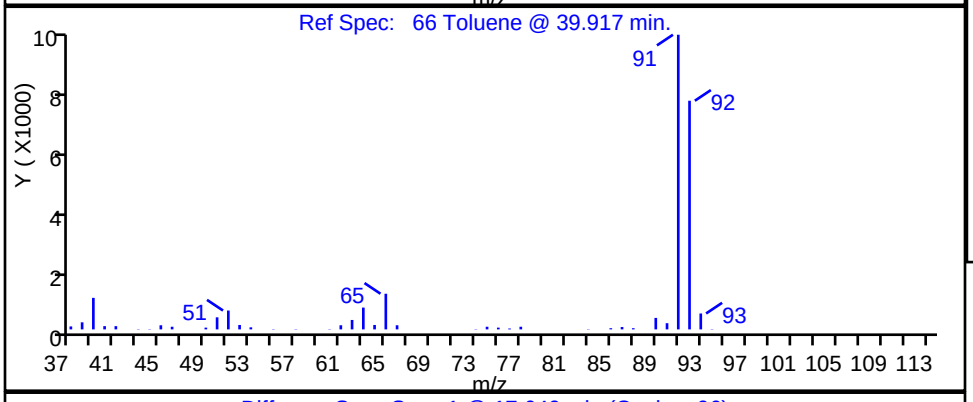
66 Toluene, CAS: 108-88-3

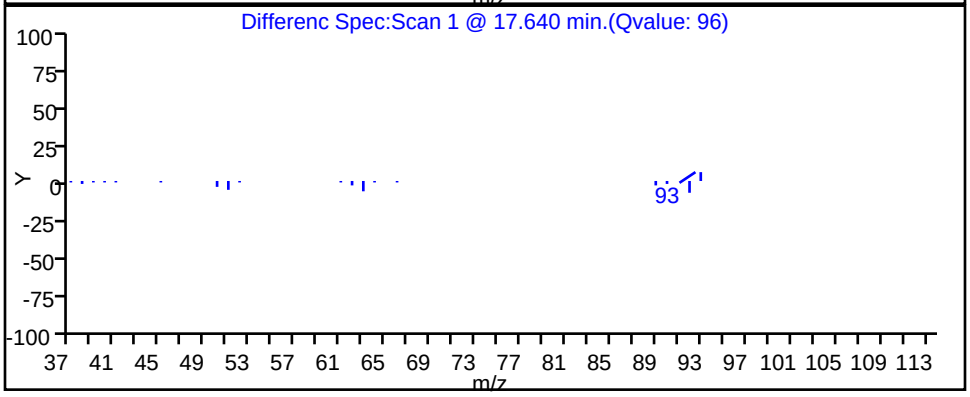








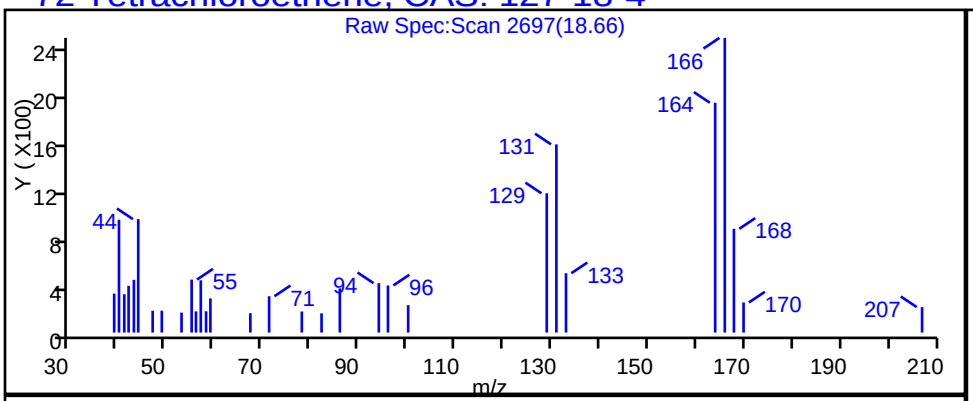


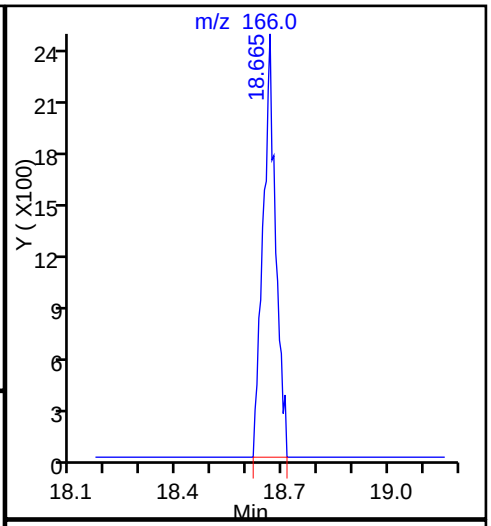


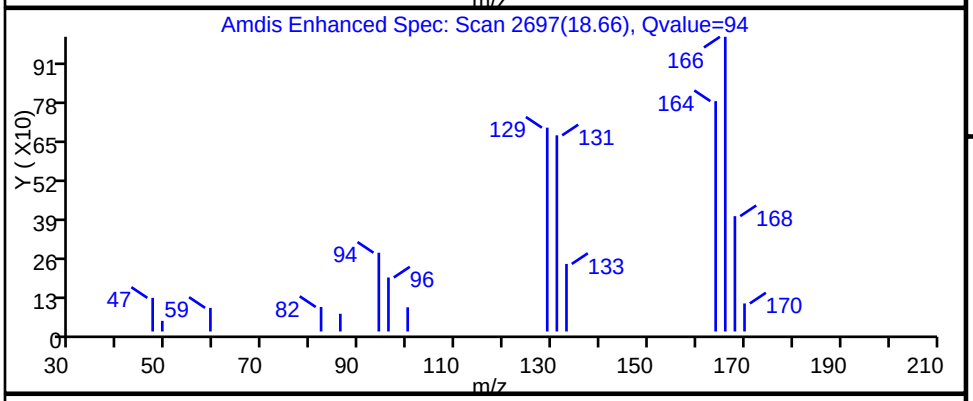
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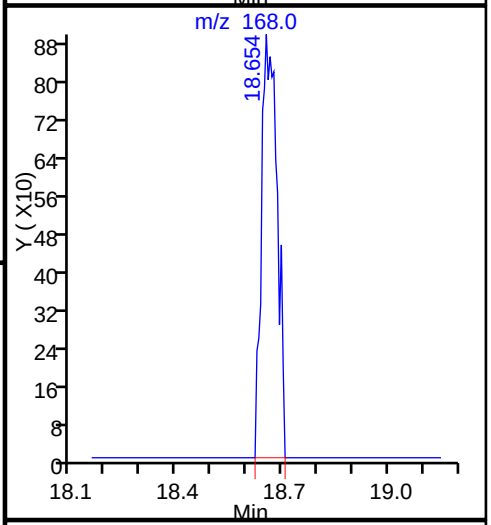
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Lims ID:	280-61460-A-7	Lab Sample ID:	200-61460-7		
Client ID:	101OA0305EA				
Operator ID:	BPL	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.3400		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

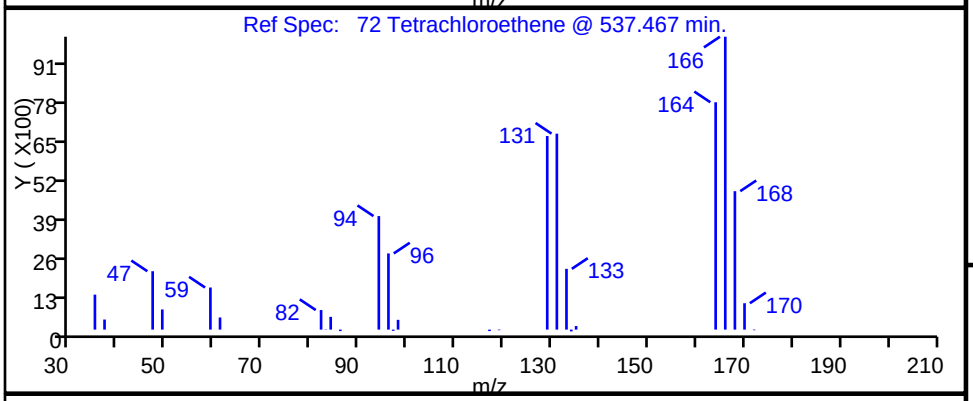
72 Tetrachloroethene, CAS: 127-18-4

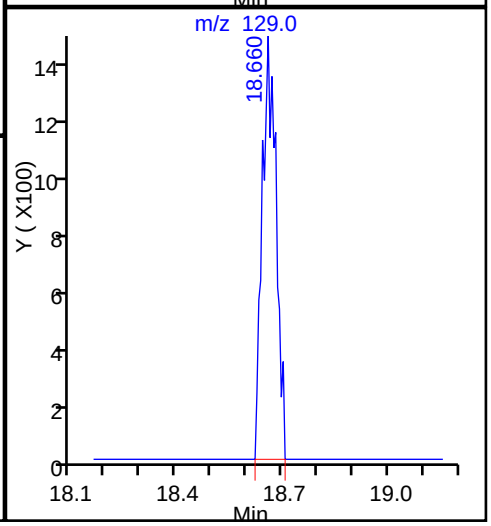


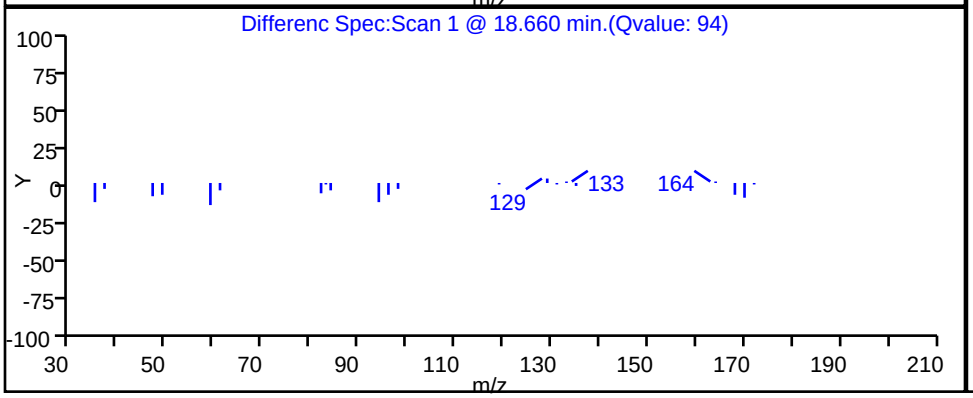












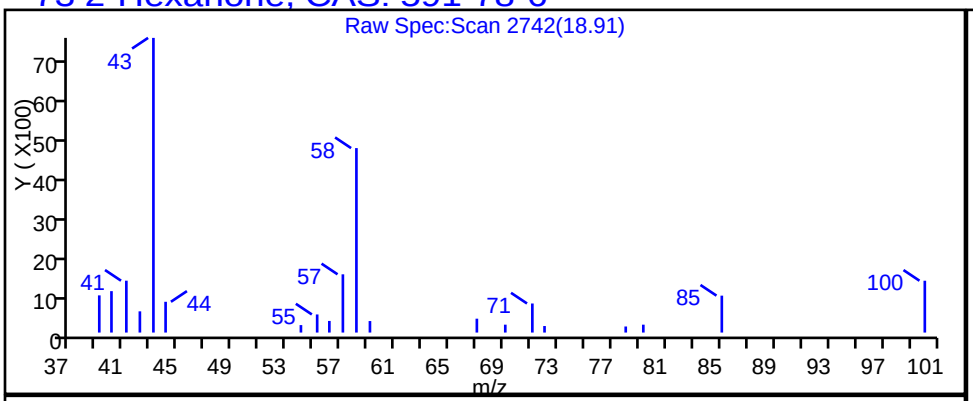
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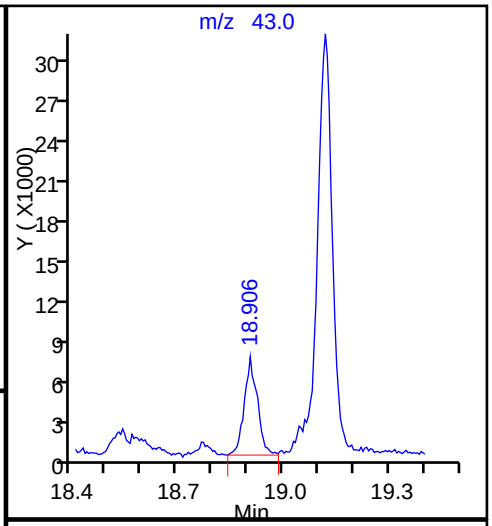
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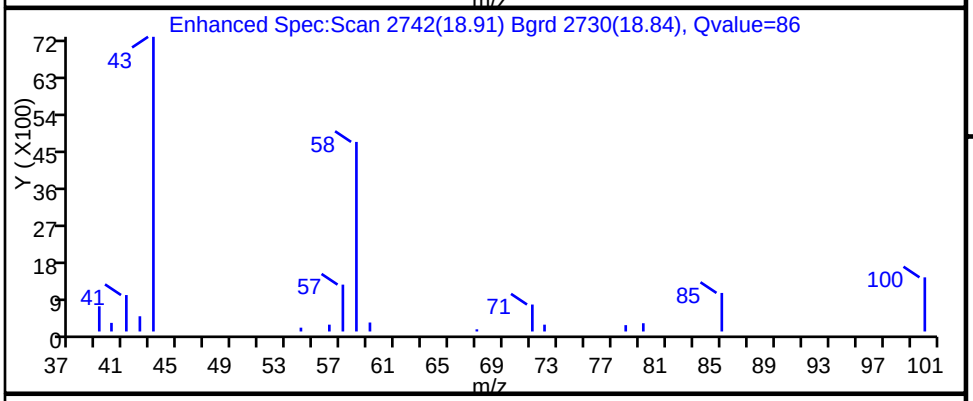
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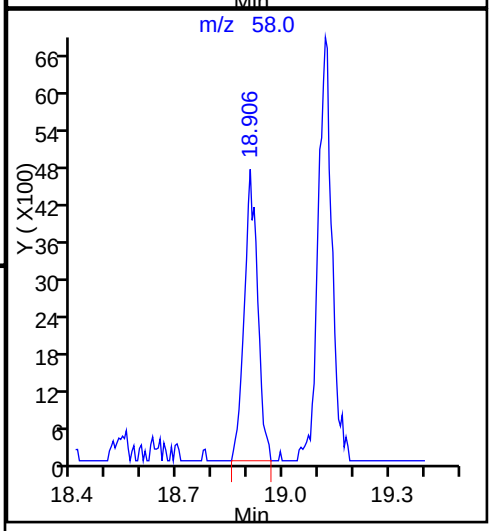
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Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

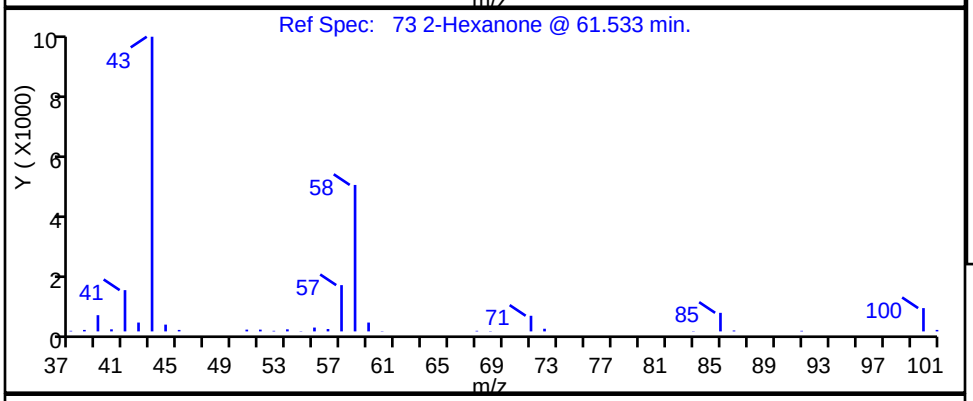
73 2-Hexanone, CAS: 591-78-6

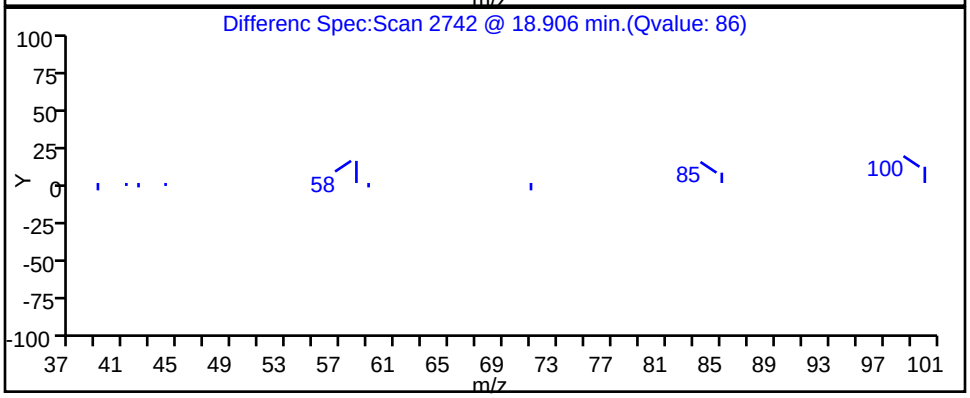












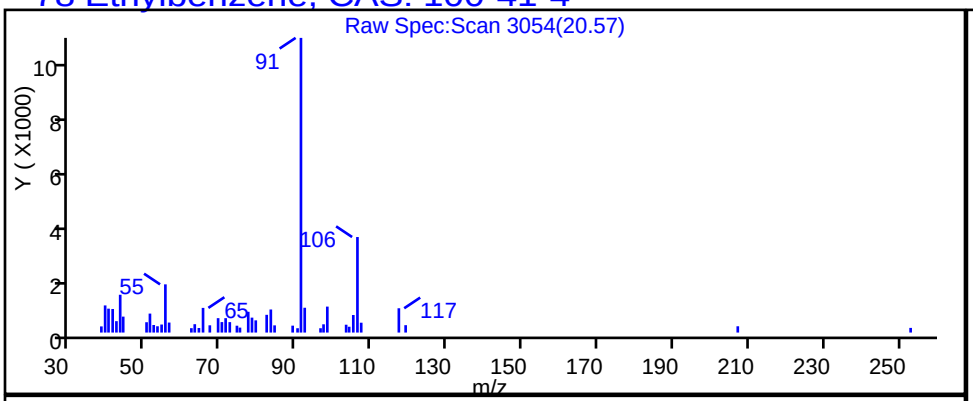
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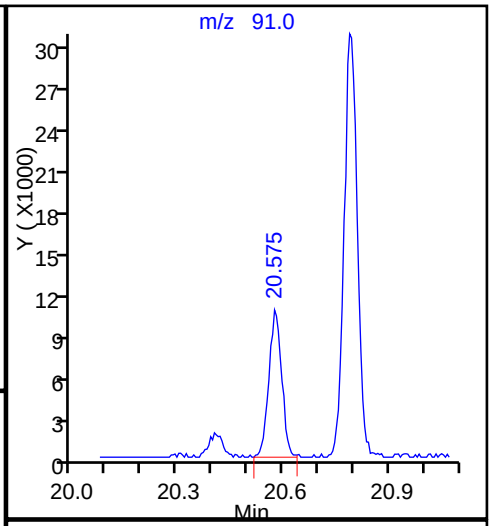
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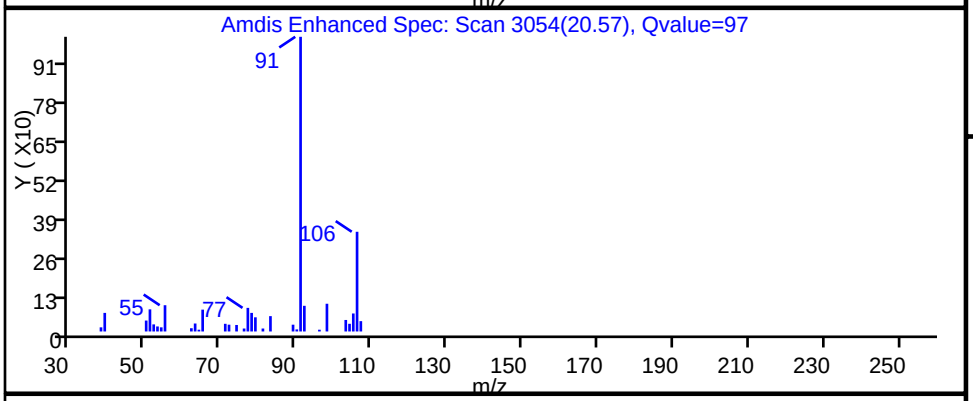
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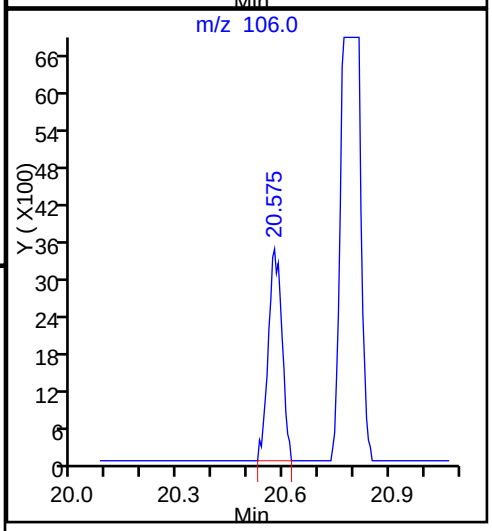
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Lims ID:	280-61460-A-7	Lab Sample ID:	200-61460-7		
Client ID:	101OA0305EA				
Operator ID:	BPL	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.3400		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

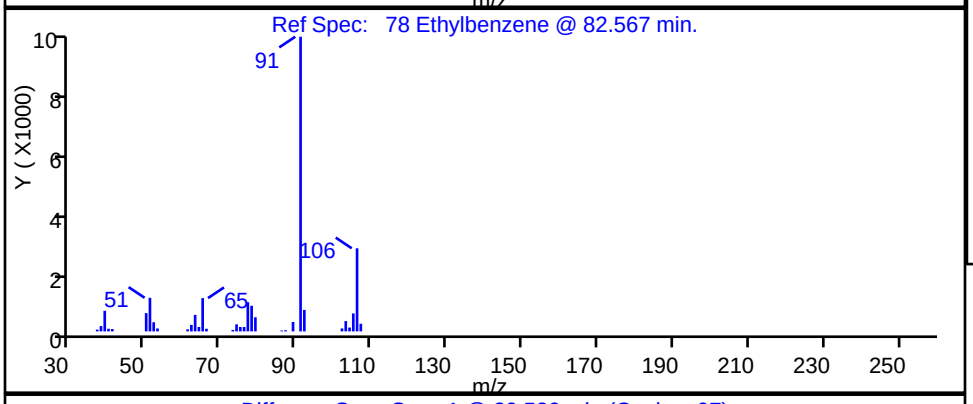
78 Ethylbenzene, CAS: 100-41-4

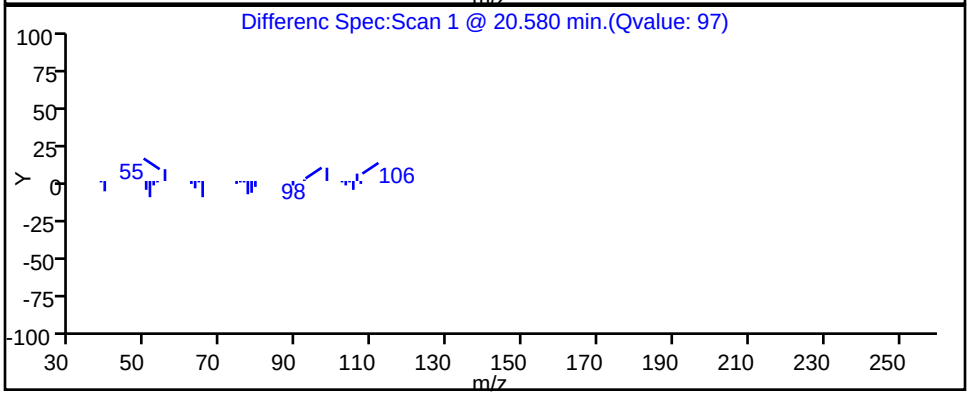












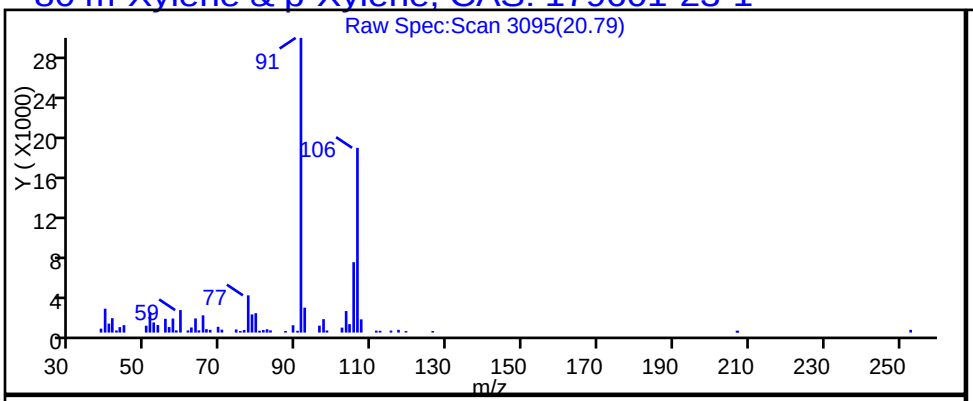
Report Date: 03-Nov-2014 09:39:36 Chrom Revision: 2.2 07-Oct-2014 12:16:06

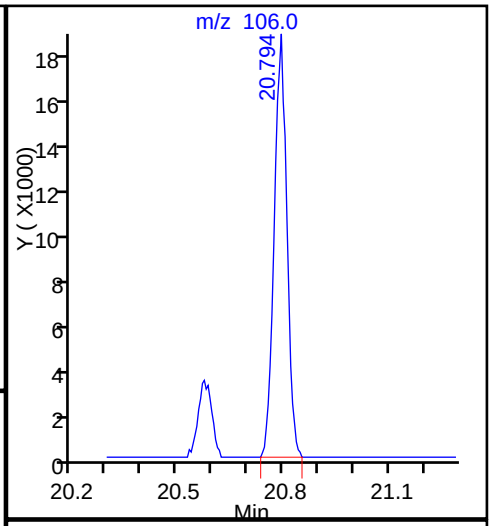
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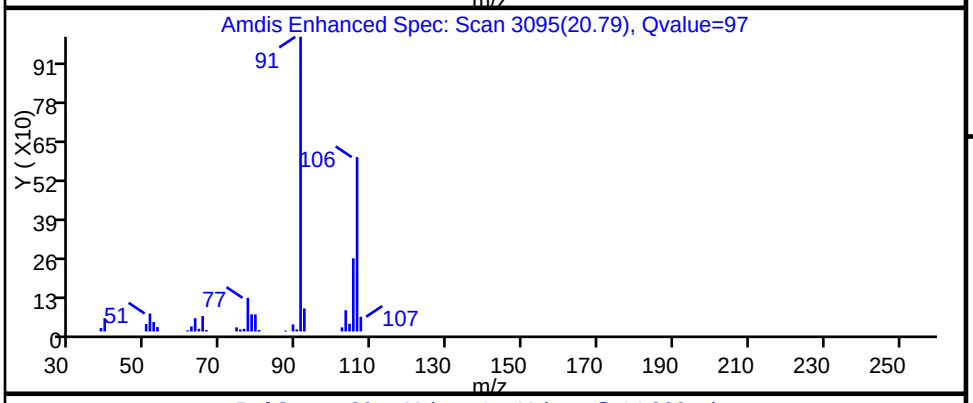
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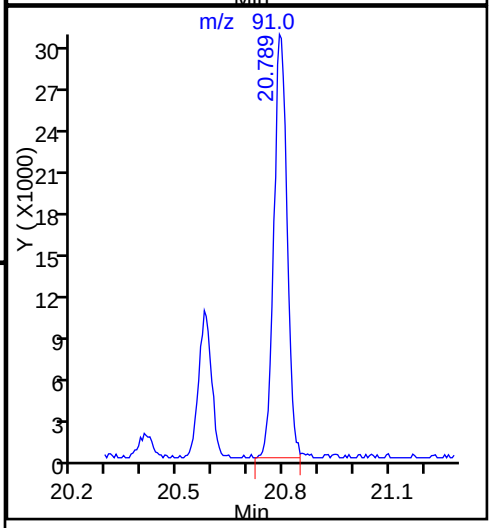
Injection Date:	31-Oct-2014 20:41:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-7	Lab Sample ID:	200-61460-7		
Client ID:	101OA0305EA				
Operator ID:	BPL	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.3400		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

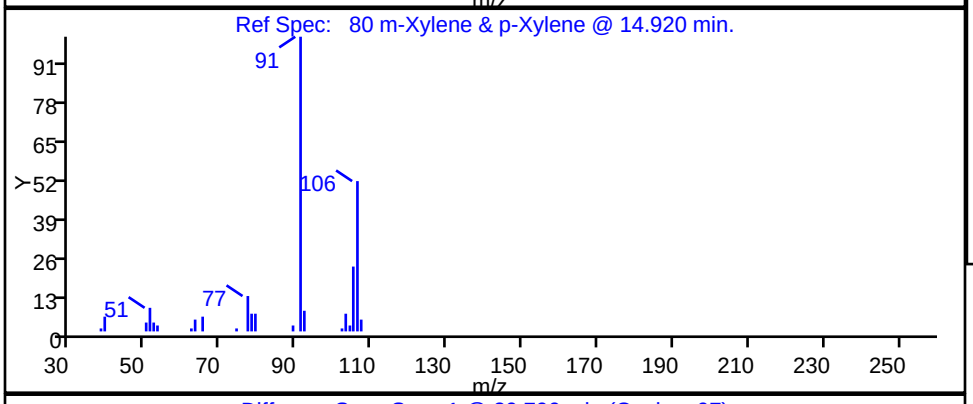
80 m-Xylene & p-Xylene, CAS: 179601-23-1

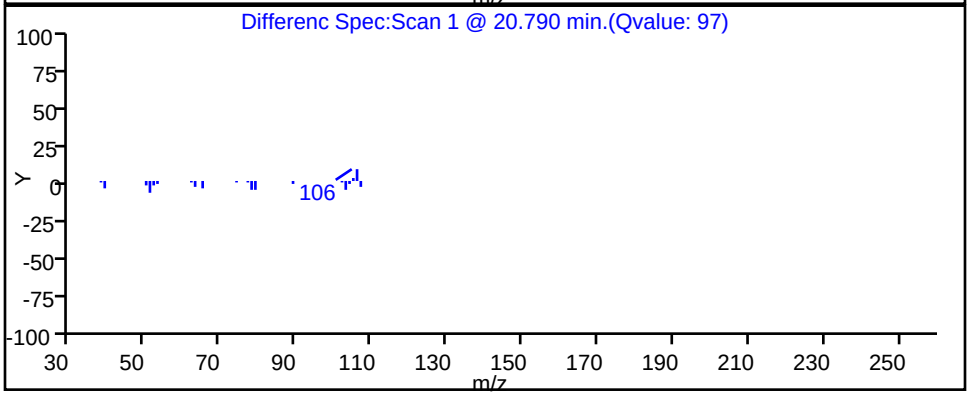












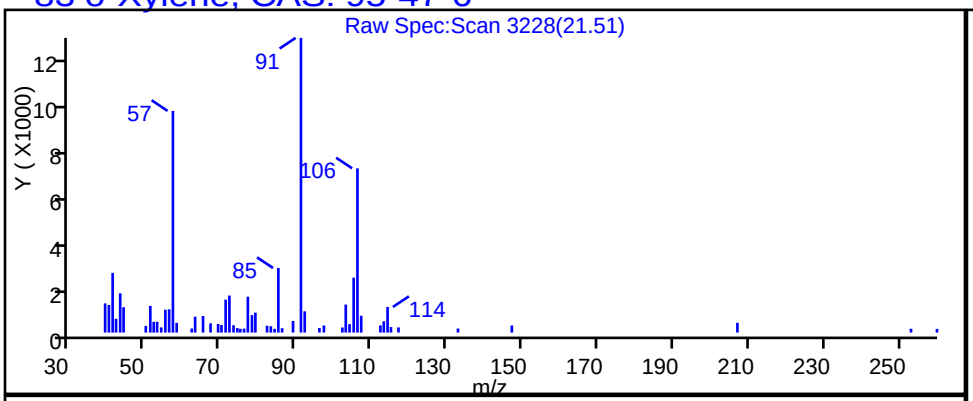
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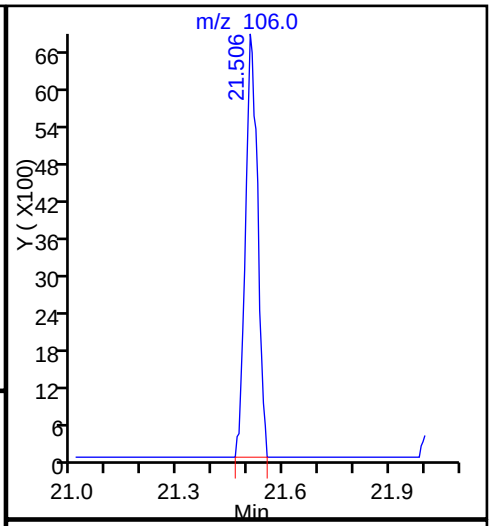
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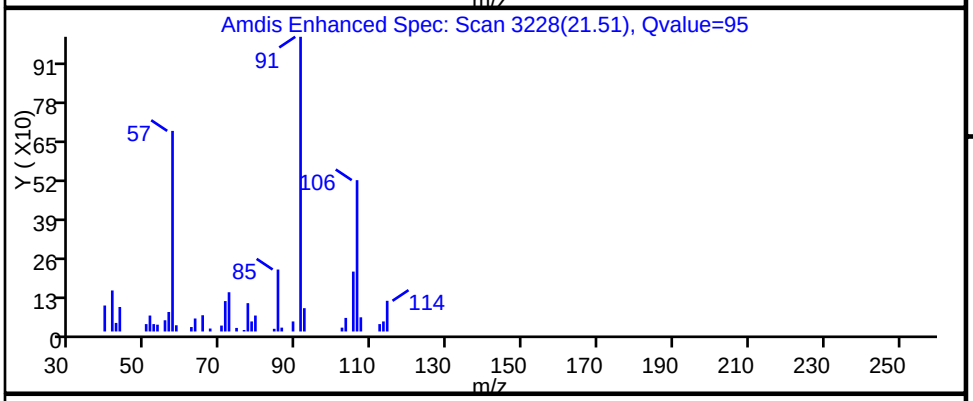
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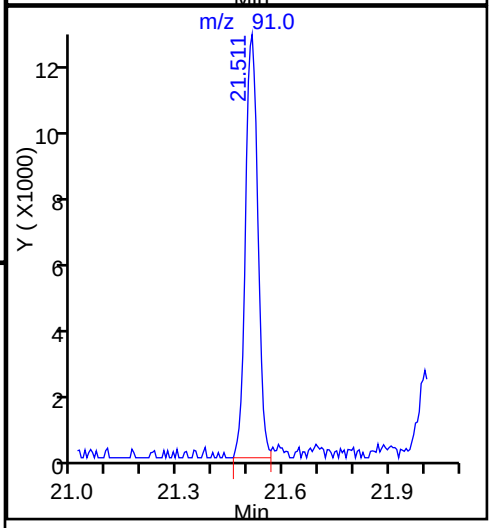
Injection Date:	31-Oct-2014 20:41:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-7	Lab Sample ID:	200-61460-7		
Client ID:	101OA0305EA				
Operator ID:	BPL	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.3400		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

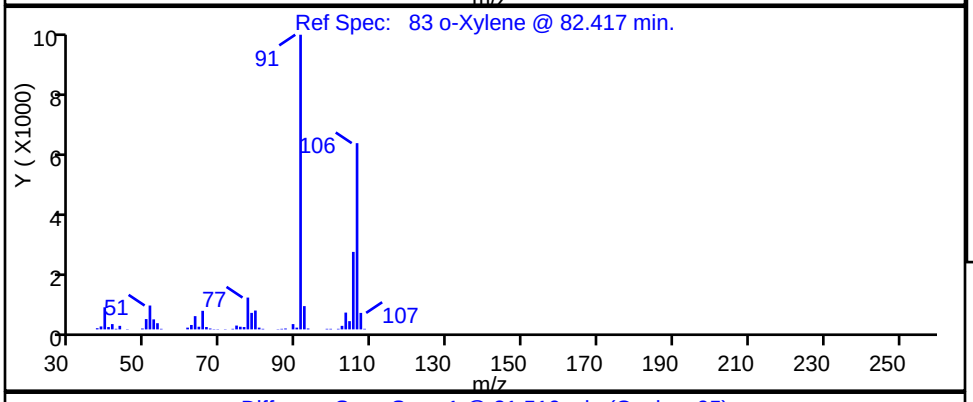
83 o-Xylene, CAS: 95-47-6

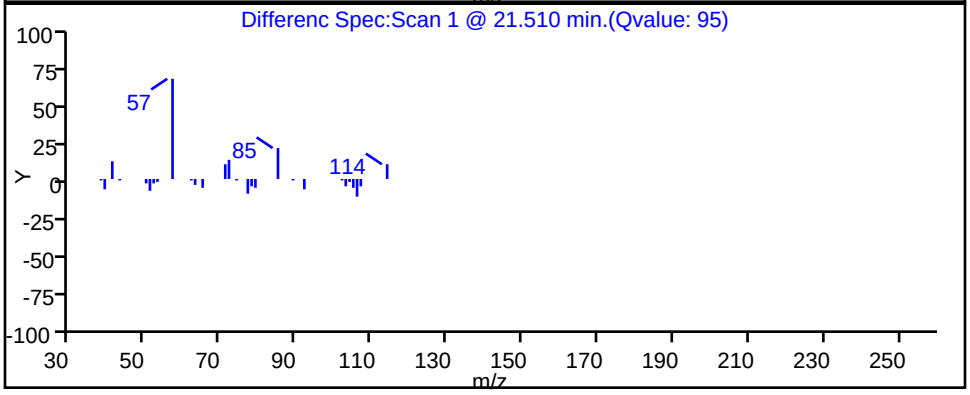












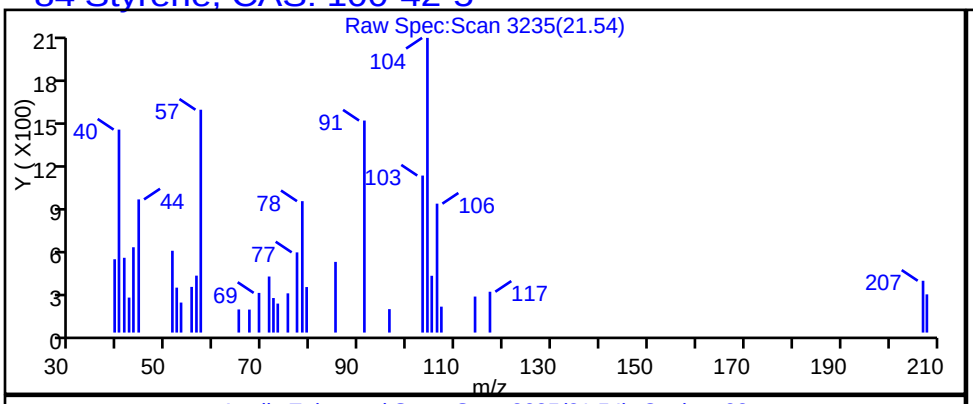
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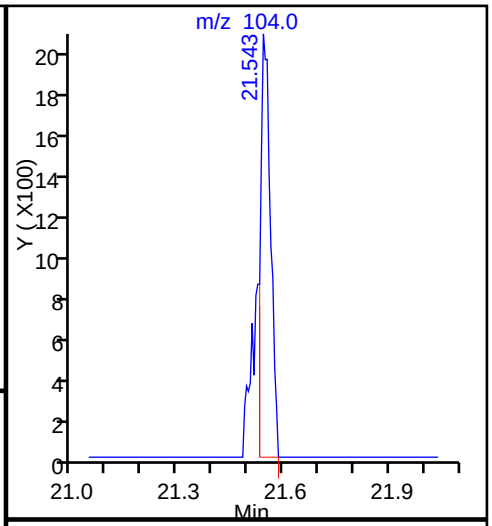
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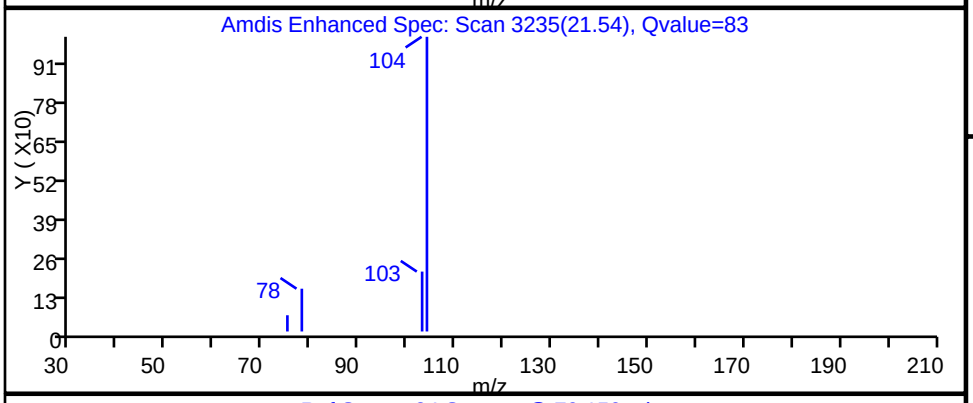
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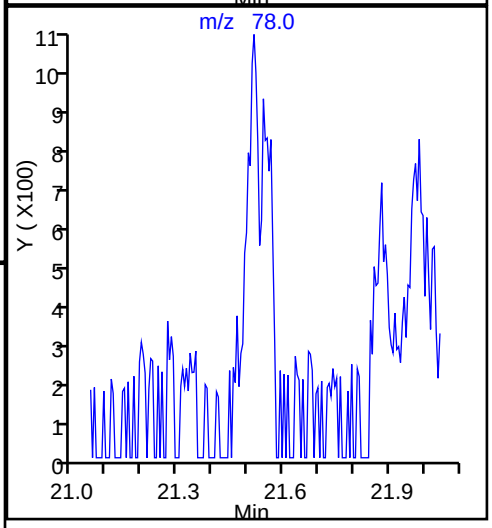
Injection Date:	31-Oct-2014 20:41:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-7	Lab Sample ID:	200-61460-7		
Client ID:	101OA0305EA				
Operator ID:	BPL	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.3400		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

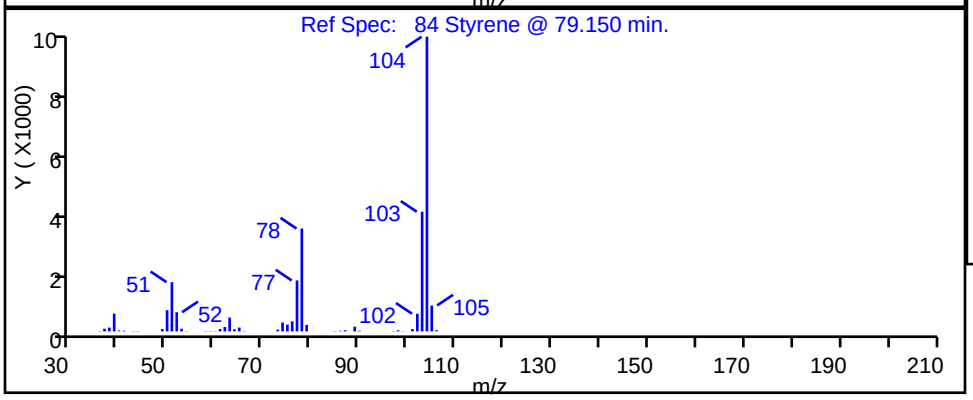
84 Styrene, CAS: 100-42-5











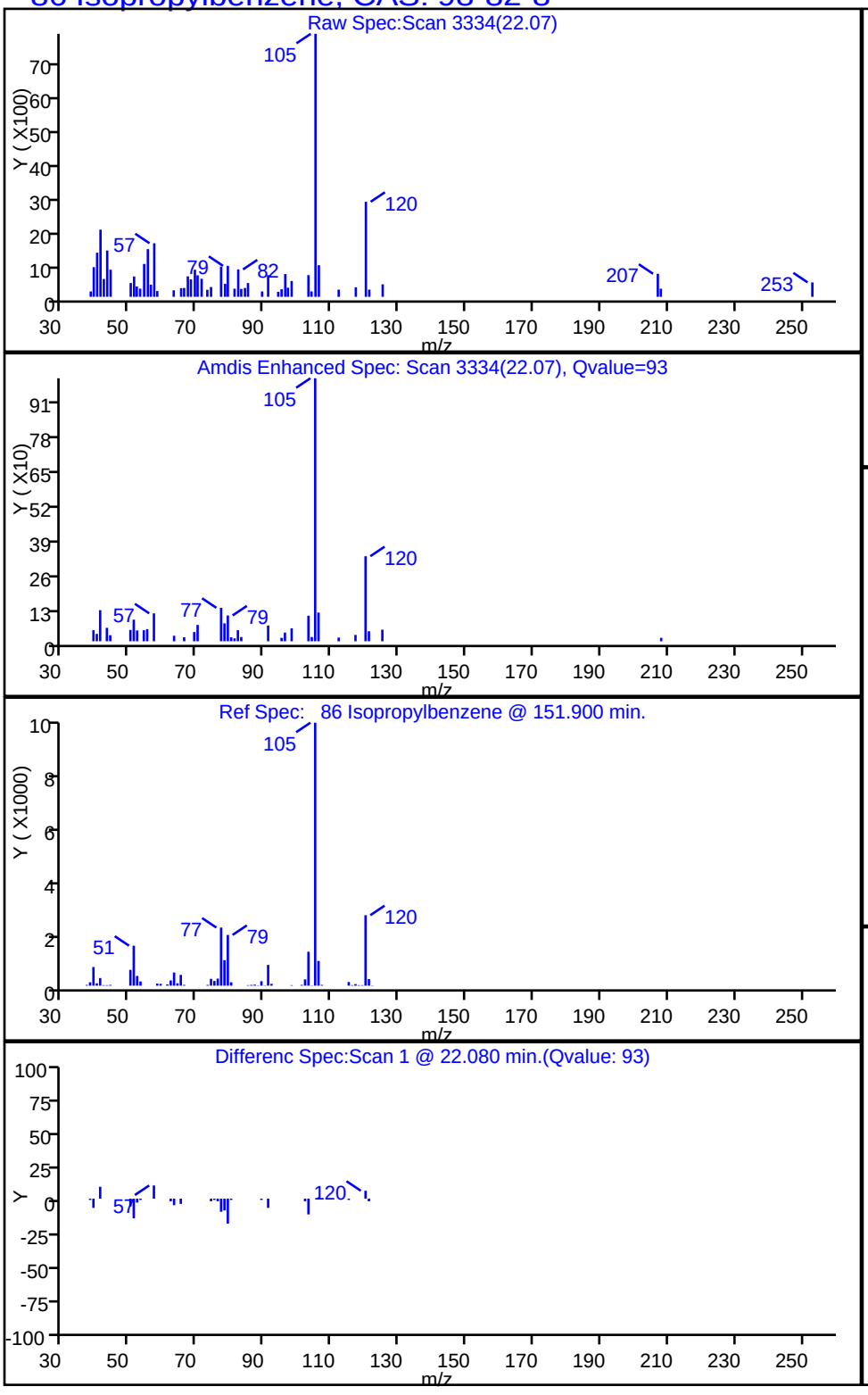
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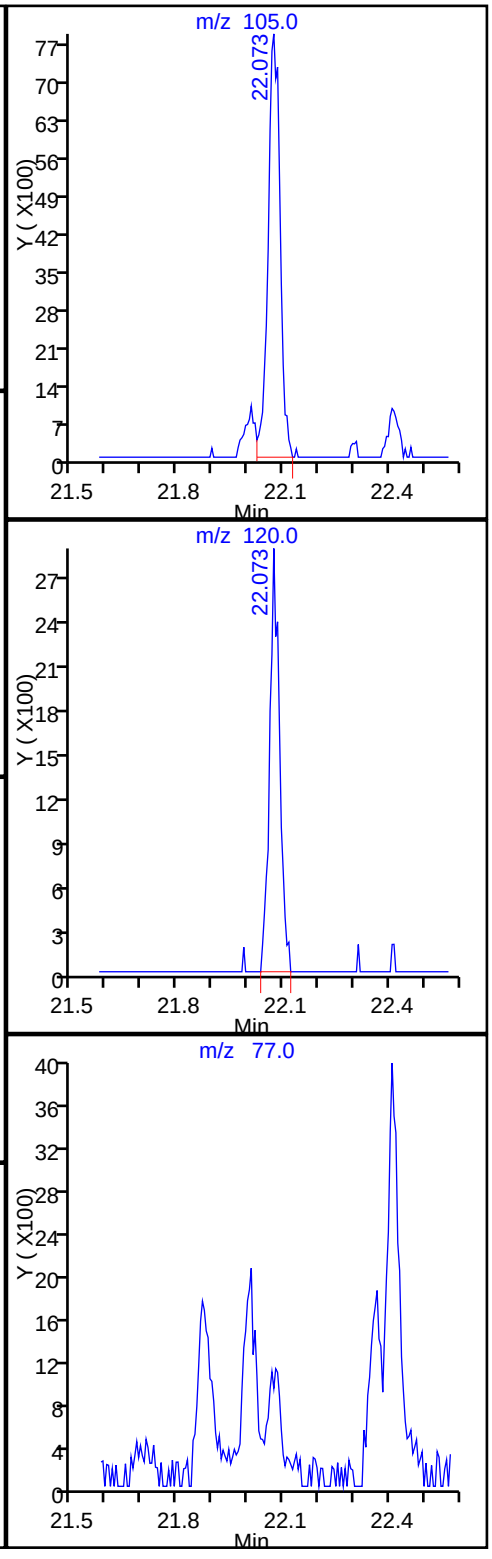
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Injection Date:	31-Oct-2014 20:41:30	Instrument ID:	CHW.i		
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Client ID:	101OA0305EA				
Operator ID:	BPL	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.3400		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

86 Isopropylbenzene, CAS: 98-82-8





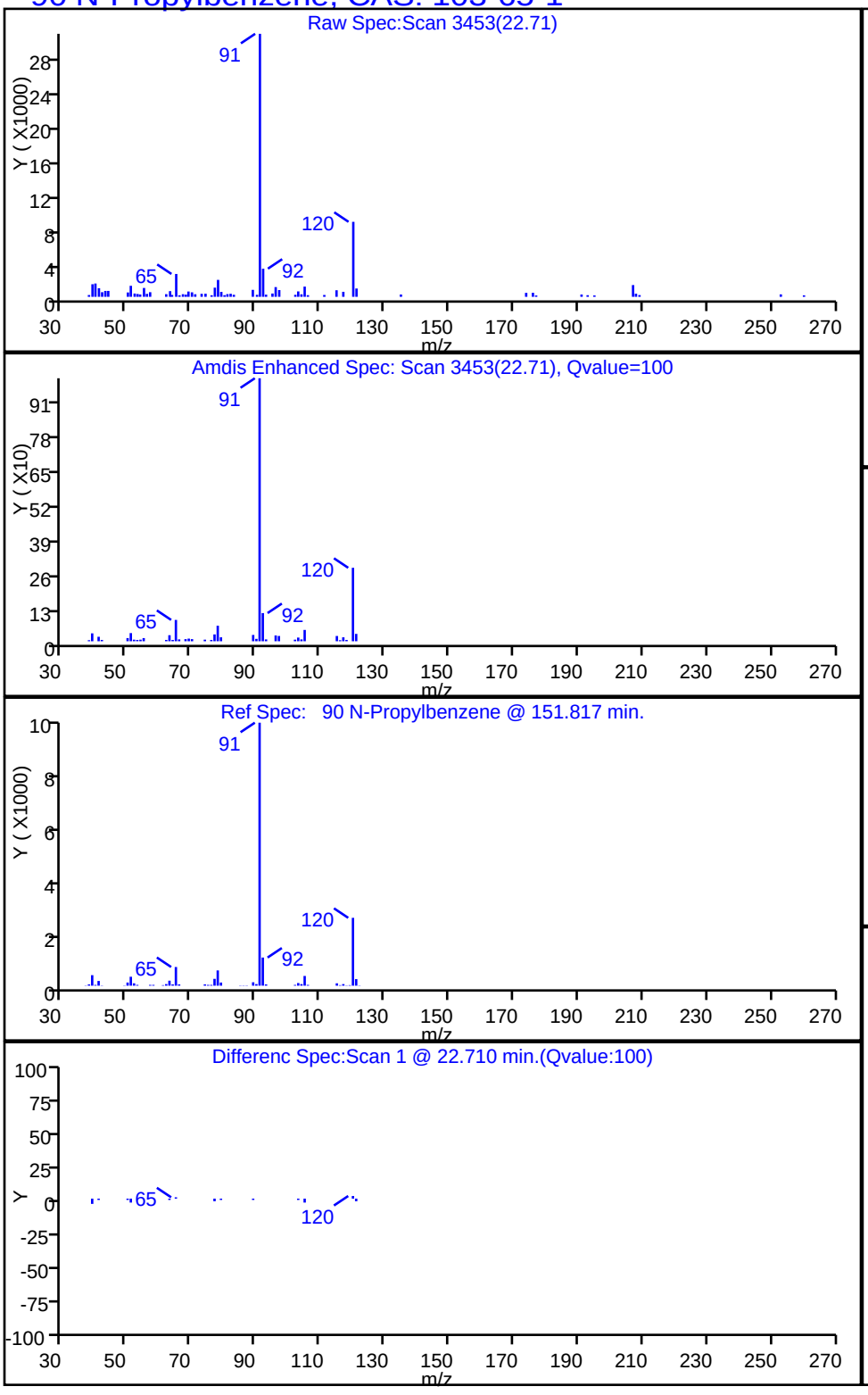
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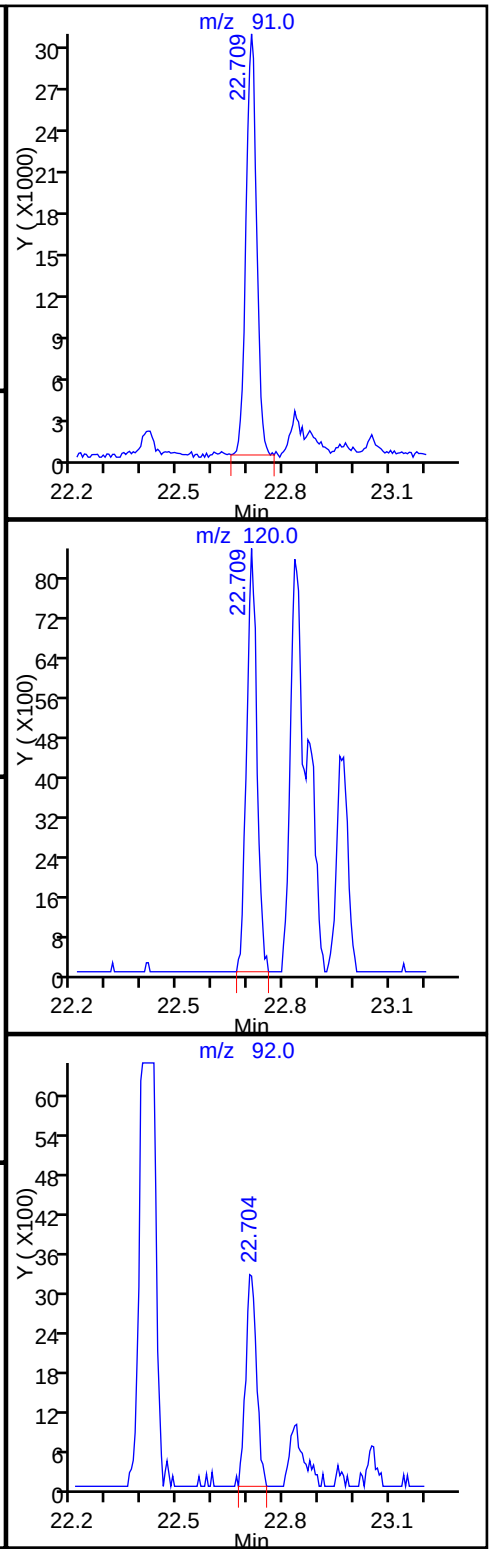
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Injection Date:	31-Oct-2014 20:41:30	Instrument ID:	CHW.i		
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Client ID:	101OA0305EA				
Operator ID:	BPL	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.3400		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

90 N-Propylbenzene, CAS: 103-65-1





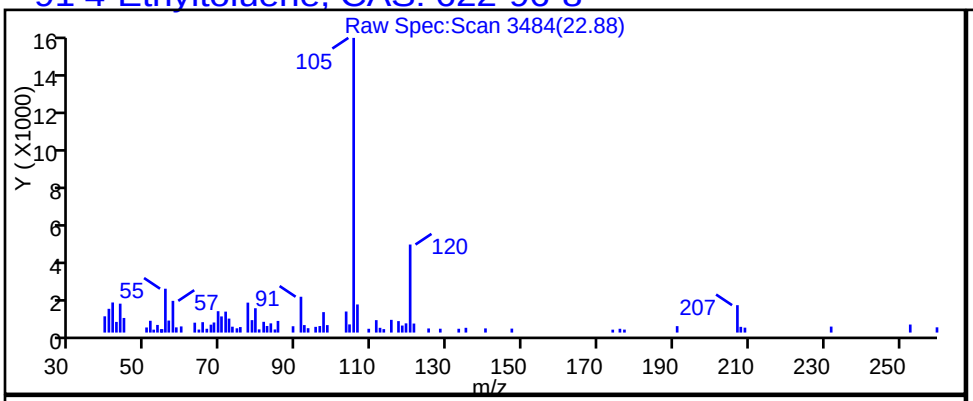
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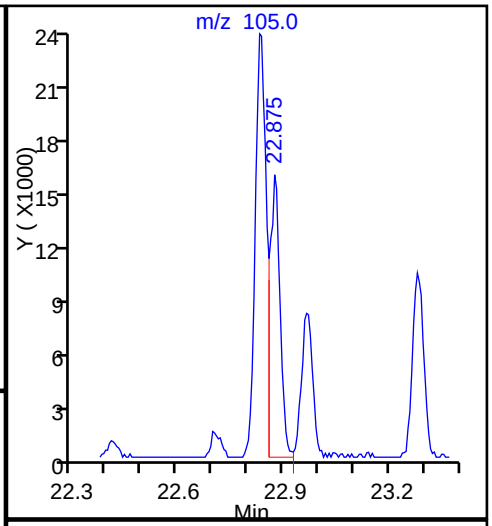
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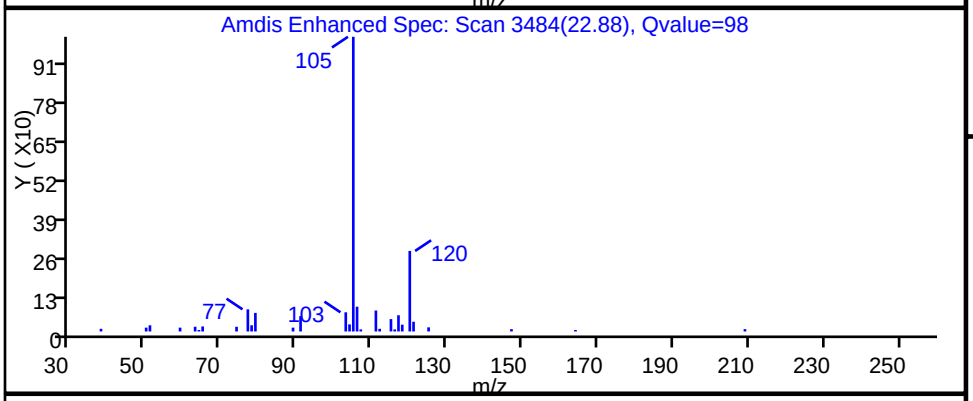
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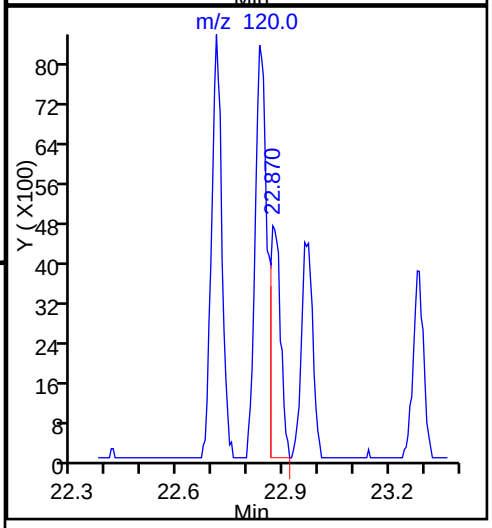
Injection Date:	31-Oct-2014 20:41:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-7	Lab Sample ID:	200-61460-7		
Client ID:	101OA0305EA				
Operator ID:	BPL	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.3400		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

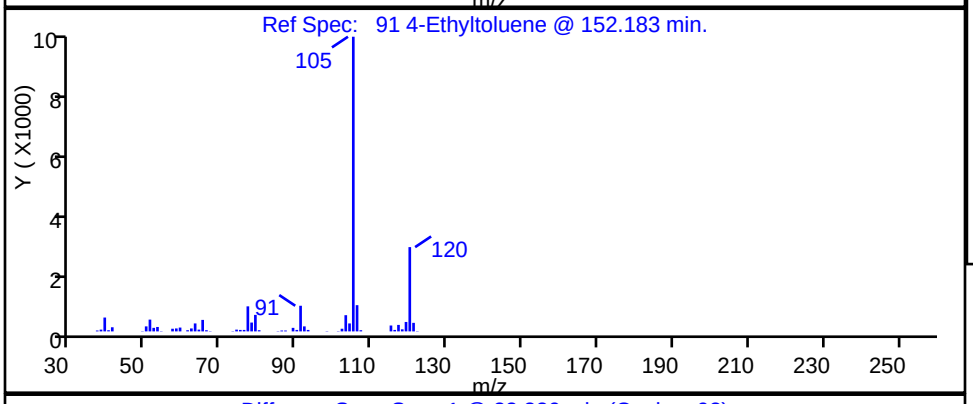
91 4-Ethyltoluene, CAS: 622-96-8

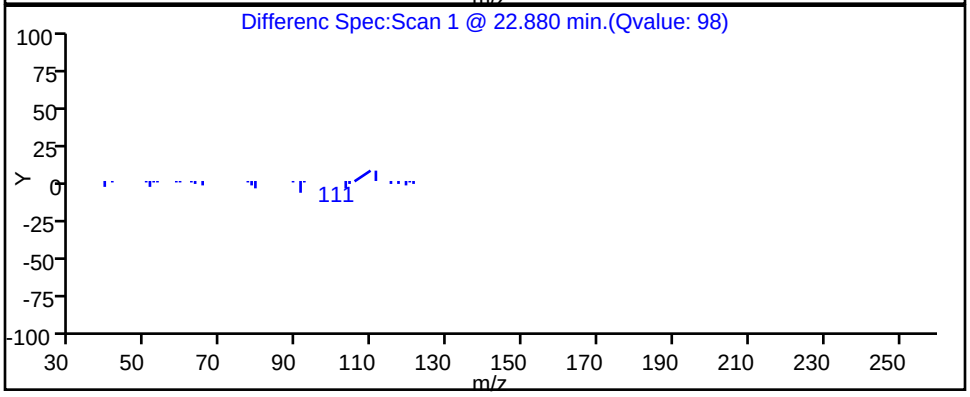








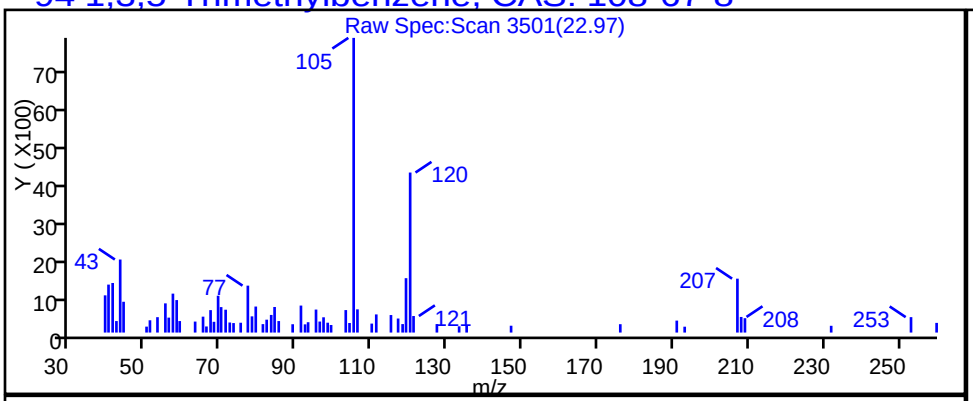


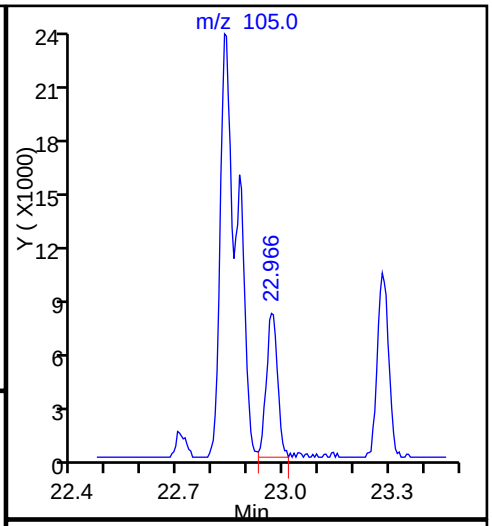


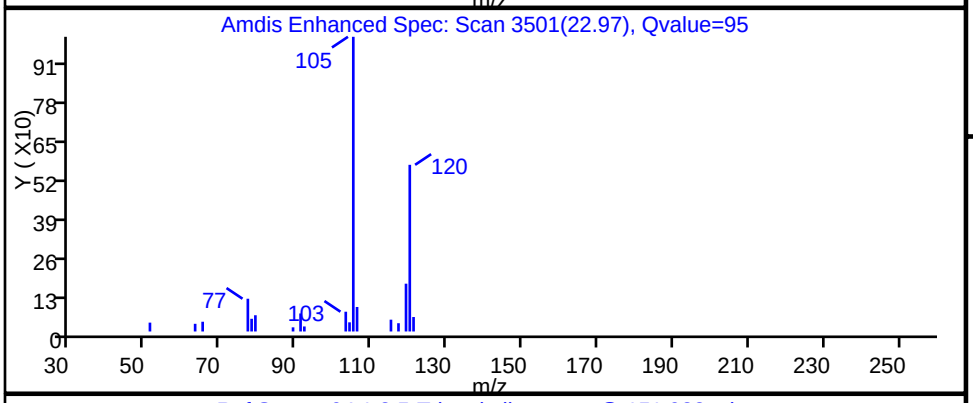
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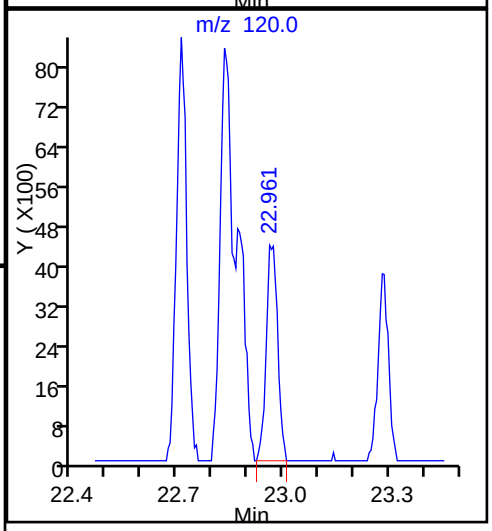
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Injection Date:	31-Oct-2014 20:41:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-7	Lab Sample ID:	200-61460-7		
Client ID:	101OA0305EA				
Operator ID:	BPL	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.3400		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

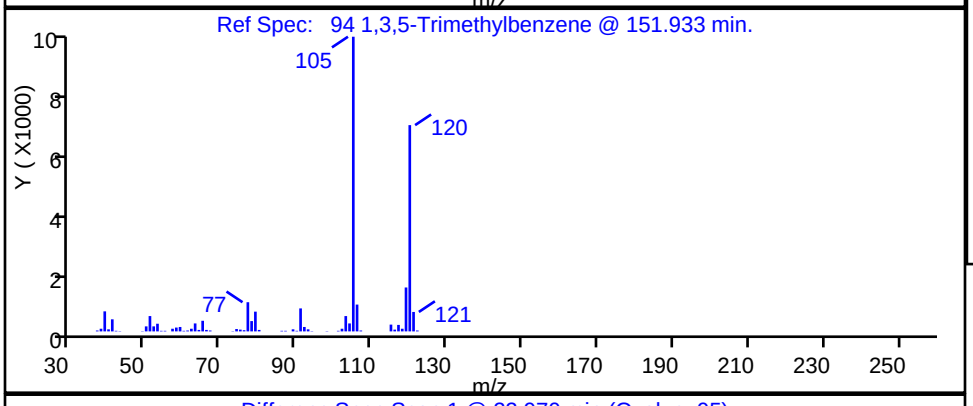
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

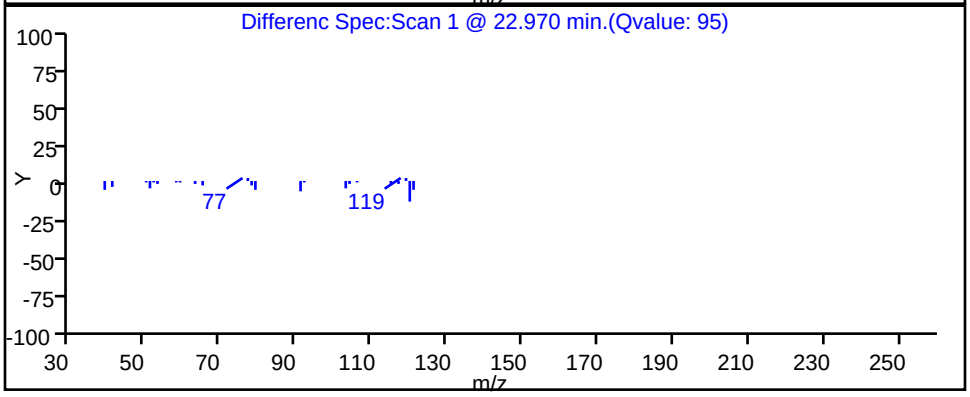












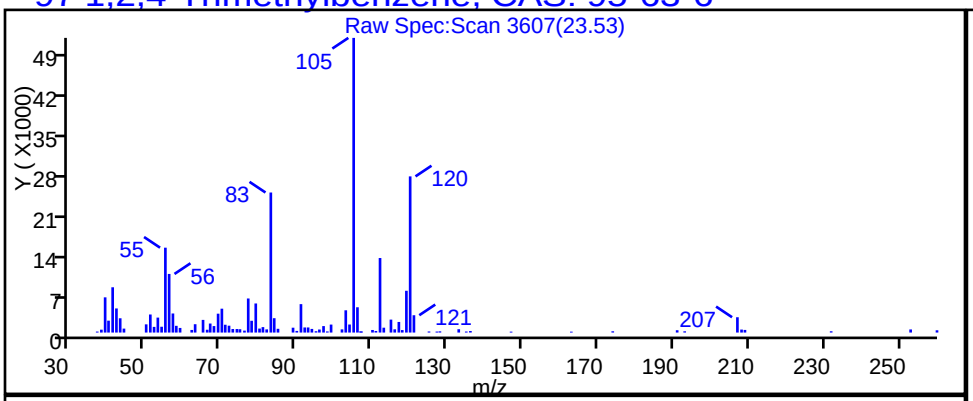
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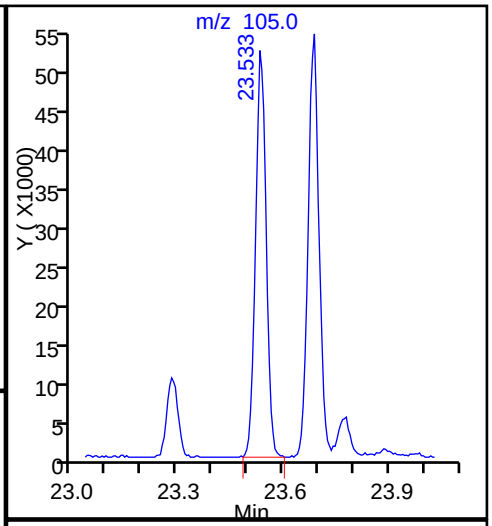
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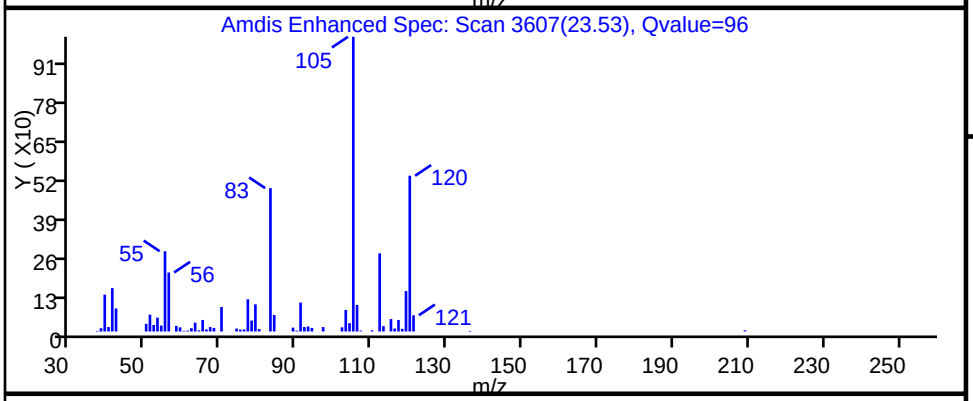
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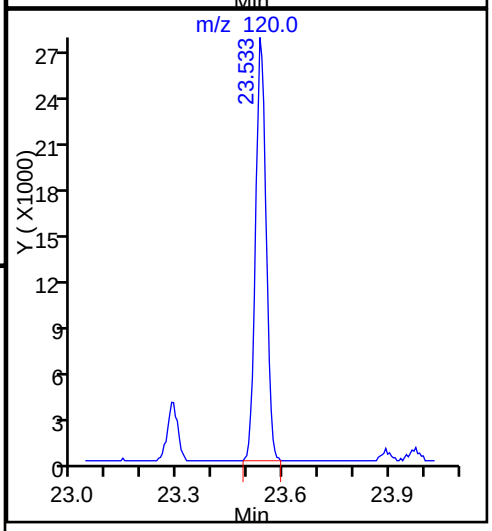
Injection Date:	31-Oct-2014 20:41:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-7	Lab Sample ID:	200-61460-7		
Client ID:	101OA0305EA				
Operator ID:	BPL	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.3400		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

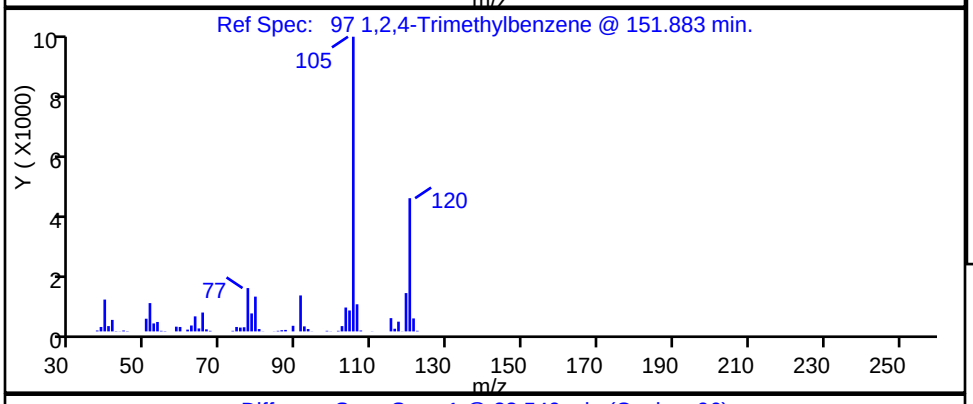
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

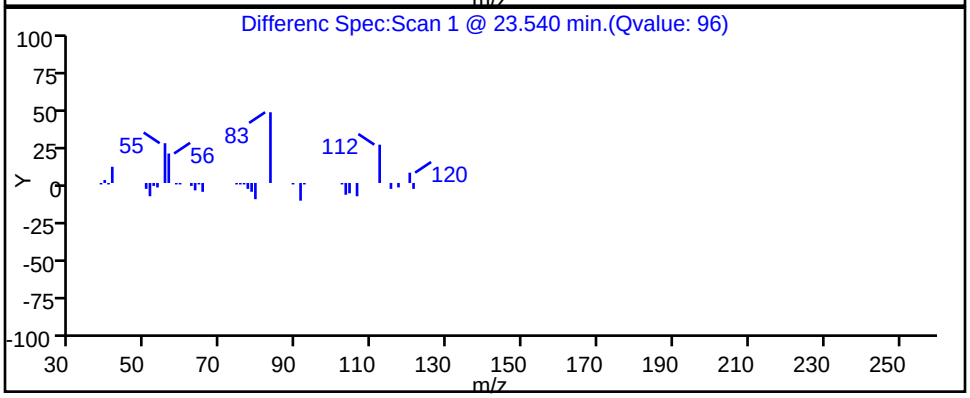












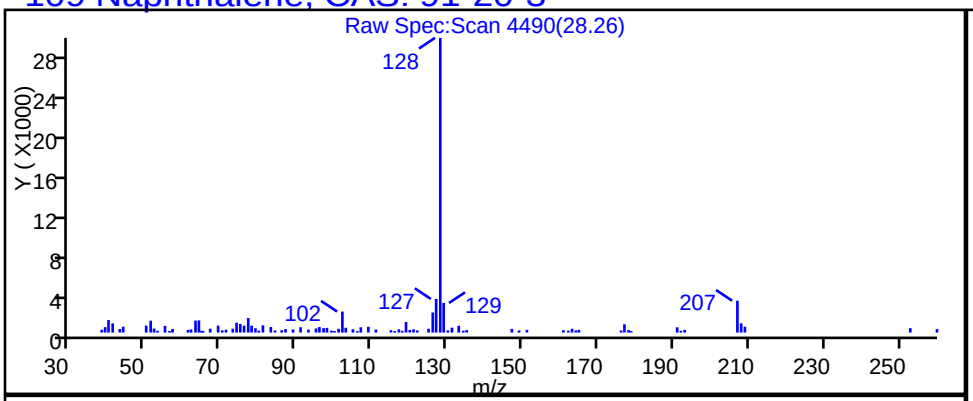
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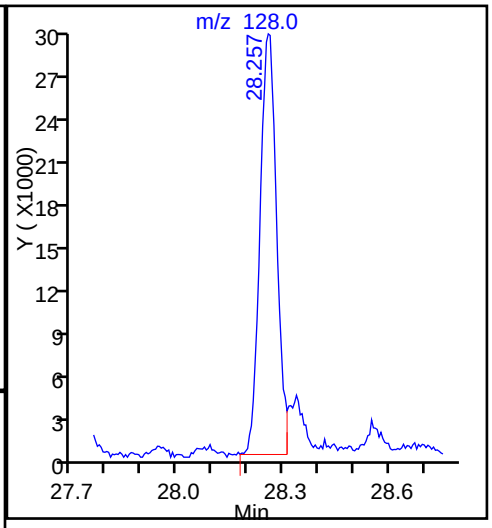
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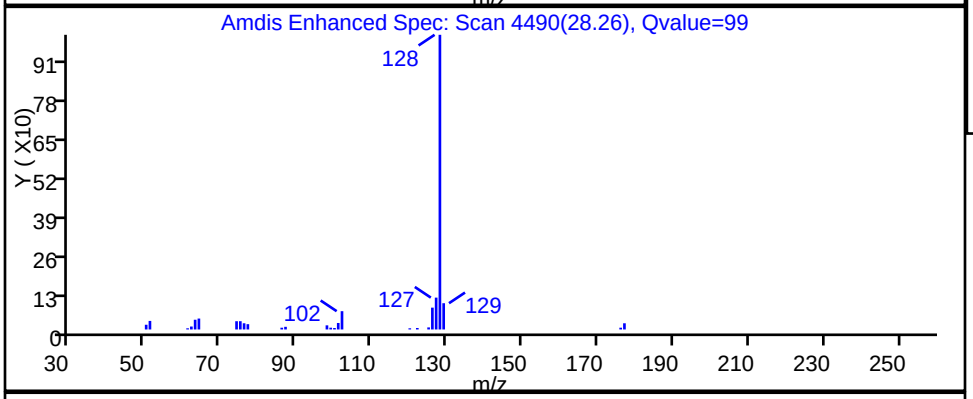
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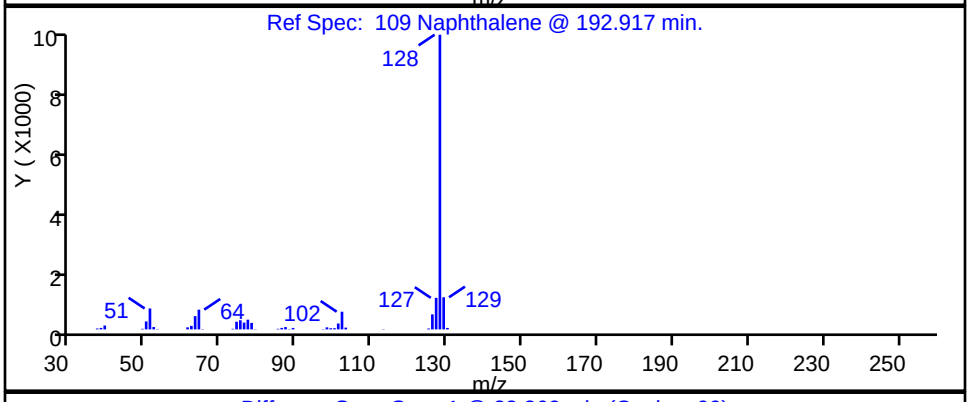
Injection Date:	31-Oct-2014 20:41:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-7	Lab Sample ID:	200-61460-7		
Client ID:	101OA0305EA				
Operator ID:	BPL	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.3400		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

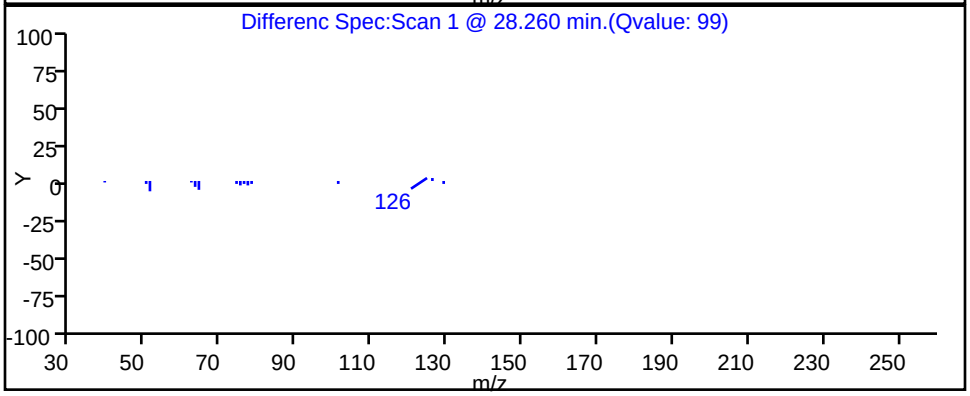
109 Naphthalene, CAS: 91-20-3











FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101CA01EA Lab Sample ID: 280-61460-8

Matrix: Air Lab File ID: 10288_016.d

Analysis Method: TO-15 Date Collected: 10/17/2014 11:02

Sample wt/vol: 200(mL) Date Analyzed: 10/31/2014 21:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.54		0.50	0.056
75-45-6	Freon 22	86.47	0.46	J	0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.20	U	0.50	0.060
106-97-8	n-Butane	58.12	0.29	J	0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.58		0.20	0.045
76-13-1	Freon TF	187.38	0.17	J	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	7.4		5.0	0.69
67-63-0	Isopropyl alcohol	60.10	1.1	J	5.0	0.15
75-15-0	Carbon disulfide	76.14	1.6		0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.18	J M	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.87	J	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.035	J	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.11	J	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	1.4		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.080	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.053
67-66-3	Chloroform	119.38	23		0.20	0.038
109-99-9	Tetrahydrofuran	72.11	1.1	J	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.35		0.20	0.030
110-82-7	Cyclohexane	84.16	0.11	J M	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.45		0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.030	U	0.20	0.023
71-43-2	Benzene	78.11	0.098	J	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101CA01EA Lab Sample ID: 280-61460-8

Matrix: Air Lab File ID: 10288_016.d

Analysis Method: TO-15 Date Collected: 10/17/2014 11:02

Sample wt/vol: 200(mL) Date Analyzed: 10/31/2014 21:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.16	J	0.20	0.037
79-01-6	Trichloroethene	131.39	9.9		0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.11	J	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.36		0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.20	U	0.50	0.18
108-88-3	Toluene	92.14	19		0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	2.5		0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.040	J	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.18	J	0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.58		0.50	0.025
95-47-6	Xylene, o-	106.17	0.21		0.20	0.018
1330-20-7	Xylene (total)	106.17	0.79		0.20	0.041
100-42-5	Styrene	104.15	0.12	J	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U	0.20	0.025
98-82-8	Cumene	120.19	0.052	J	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.030	U	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.083	J	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.083	J	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.28		0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.17	J	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.46		0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.050	J	0.20	0.019

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101CA01EA Lab Sample ID: 280-61460-8

Matrix: Air Lab File ID: 10288_016.d

Analysis Method: TO-15 Date Collected: 10/17/2014 11:02

Sample wt/vol: 200(mL) Date Analyzed: 10/31/2014 21:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.35	J	0.50	0.030

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101CA01EA Lab Sample ID: 280-61460-8

Matrix: Air Lab File ID: 10288_016.d

Analysis Method: TO-15 Date Collected: 10/17/2014 11:02

Sample wt/vol: 200(mL) Date Analyzed: 10/31/2014 21:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.7		2.5	0.28
75-45-6	Freon 22	86.47	1.6	J	1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	0.41	U	1.0	0.12
106-97-8	n-Butane	58.12	0.68	J	1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	3.2		1.1	0.25
76-13-1	Freon TF	187.38	1.3	J	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	18		12	1.6
67-63-0	Isopropyl alcohol	60.10	2.7	J	12	0.37
75-15-0	Carbon disulfide	76.14	5.1		1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.63	J M	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	2.6	J	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.13	J	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	0.38	J	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	4.2		1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.32	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.21
67-66-3	Chloroform	119.38	110		0.98	0.19
109-99-9	Tetrahydrofuran	72.11	3.2	J	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	1.9		1.1	0.16
110-82-7	Cyclohexane	84.16	0.38	J M	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	2.9		1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.14	U	0.93	0.11
71-43-2	Benzene	78.11	0.31	J	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101CA01EA Lab Sample ID: 280-61460-8

Matrix: Air Lab File ID: 10288_016.d

Analysis Method: TO-15 Date Collected: 10/17/2014 11:02

Sample wt/vol: 200(mL) Date Analyzed: 10/31/2014 21:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.64	J	0.82	0.15
79-01-6	Trichloroethene	131.39	53		1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.44	J	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	2.4		1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.82	U	2.0	0.74
108-88-3	Toluene	92.14	73		0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	17		1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.82	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.18	J	0.92	0.083
100-41-4	Ethylbenzene	106.17	0.80	J	0.87	0.087
179601-23-1	m,p-Xylene	106.17	2.5		2.2	0.11
95-47-6	Xylene, o-	106.17	0.93		0.87	0.078
1330-20-7	Xylene (total)	106.17	3.4		0.87	0.18
100-42-5	Styrene	104.15	0.53	J	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U	2.1	0.26
98-82-8	Cumene	120.19	0.25	J	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.15	U	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.41	J	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.41	J	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	1.4		0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.95	J	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	2.8		1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.30	J	1.2	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101CA01EA Lab Sample ID: 280-61460-8

Matrix: Air Lab File ID: 10288_016.d

Analysis Method: TO-15 Date Collected: 10/17/2014 11:02

Sample wt/vol: 200(mL) Date Analyzed: 10/31/2014 21:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	1.8	J	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_016.d
Lims ID: 280-61460-A-8 Lab Sample ID: 200-61460-8
Client ID: 101CA01EA
Sample Type: Client
Inject. Date: 31-Oct-2014 21:31:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010288-016
Misc. Info.: 280-61460-a-8
Operator ID: BPL Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 03-Nov-2014 09:39:33 Calib Date: 30-Oct-2014 19:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: lyonsb Date: 03-Nov-2014 09:38:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.472	4.483	-0.011	83	94153	0.5379	
6 Chlorodifluoromethane	51	4.536	4.547	-0.011	50	37319	0.4628	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.831				ND	
8 Chloromethane	50		5.029				ND	
9 Butane	43	5.275	5.291	-0.016	93	20533	0.2857	
10 Vinyl chloride	62		5.350				ND	
11 Butadiene	54		5.446				ND	
12 Bromomethane	94		6.307				ND	
14 Chloroethane	64		6.591				ND	
16 Vinyl bromide	106		7.067				ND	
17 Trichlorofluoromethane	101	7.179	7.184	-0.005	83	100370	0.5762	
23 1,1,2-Trichloro-1,2,2-trif	101	8.431	8.426	0.005	83	23252	0.1650	
24 1,1-Dichloroethene	96		8.500				ND	
25 Acetone	43	8.730	8.731	-0.001	90	527928	7.43	
26 Carbon disulfide	76	8.987	8.987	0.000	97	275800	1.65	
27 Isopropyl alcohol	45	9.009	9.025	-0.016	53	63604	1.12	
29 3-Chloro-1-propene	41		9.383				ND	
31 Methylene Chloride	49	9.726	9.715	0.011	62	9569	0.1820	M
32 2-Methyl-2-propanol	59	9.886	9.891	-0.005	98	76841	0.8663	
33 Methyl tert-butyl ether	73	10.137	10.138	-0.001	30	5403	0.0355	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
34 trans-1,2-Dichloroethene	61		10.212				ND	
36 Hexane	57	10.635	10.630	0.005	80	8005	0.1071	
37 1,1-Dichloroethane	63		11.175				ND	
39 cis-1,2-Dichloroethene	96		12.352				ND	
40 2-Butanone (MEK)	72	12.358	12.358	0.000	99	46170	1.41	
44 Tetrahydrofuran	42	12.828	12.828	0.000	34	53166	1.08	
* 43 Chlorobromomethane	128	12.828	12.834	-0.006	50	591414	10.0	
45 Chloroform	83	12.941	12.941	0.000	90	3023808	23.1	
46 Cyclohexane	84	13.240	13.240	0.000	39	9602	0.1094	M
47 1,1,1-Trichloroethane	97	13.251	13.251	0.000	89	48397	0.3461	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	13.508	13.508	0.000	87	69357	0.4542	
51 Isooctane	57		13.898				ND	
50 Benzene	78	13.957	13.957	0.000	71	20089	0.0978	
52 1,2-Dichloroethane	62		14.118				ND	
53 n-Heptane	43	14.257	14.246	0.011	86	12270	0.1570	
* 54 1,4-Difluorobenzene	114	14.711	14.717	-0.006	91	2761426	10.0	
56 Trichloroethene	95	15.177	15.182	-0.005	86	915991	9.85	
58 1,2-Dichloropropane	63		15.696				ND	
59 Methyl methacrylate	69	15.781	15.781	0.000	72	6979	0.1063	
60 1,4-Dioxane	88		15.872				ND	
62 Dichlorobromomethane	83	16.193	16.193	0.000	95	51792	0.3599	
64 cis-1,3-Dichloropropene	75		17.055				ND	
65 4-Methyl-2-pentanone (MIBK	43	17.274	17.285	-0.011	79	8901	0.0863	
66 Toluene	92	17.622	17.627	-0.005	93	2979310	19.3	
70 trans-1,3-Dichloropropene	75		18.157				ND	
71 1,1,2-Trichloroethane	83		18.526				ND	
72 Tetrachloroethene	166	18.665	18.665	0.000	88	423472	2.55	
73 2-Hexanone	43	18.906	18.906	0.000	88	15007	0.1542	7
74 Chlorodibromomethane	129		19.280				ND	
75 Ethylene Dibromide	107		19.564				ND	
S 82 Xylenes, Total	106				0		0.7979	
* 76 Chlorobenzene-d5	117	20.409	20.409	0.000	80	2546403	10.0	
77 Chlorobenzene	112	20.462	20.468	-0.006	4	9876	0.0400	
78 Ethylbenzene	91	20.575	20.580	-0.005	94	60216	0.1840	
80 m-Xylene & p-Xylene	106	20.789	20.794	-0.005	97	82038	0.5838	
83 o-Xylene	106	21.511	21.511	0.000	91	29657	0.2141	
84 Styrene	104	21.548	21.548	0.000	86	25666	0.1234	
85 Bromoform	173		21.934				ND	
86 Isopropylbenzene	105	22.078	22.078	0.000	68	19775	0.0518	
$ 87 4-Bromofluorobenzene	95	22.410	22.415	-0.005	97	1582339	NC	
88 1,1,2,2-Tetrachloroethane	83		22.640				ND	
90 N-Propylbenzene	91		22.709				ND	
91 4-Ethyltoluene	105	22.875	22.881	-0.005	85	34069	0.0834	
92 2-Chlorotoluene	91		22.913				ND	
94 1,3,5-Trimethylbenzene	105	22.971	22.971	0.000	76	28336	0.0828	
96 tert-Butylbenzene	119		23.448				ND	
97 1,2,4-Trimethylbenzene	105	23.538	23.539	0.000	94	96156	0.2804	
98 sec-Butylbenzene	105		23.774				ND	
99 4-Isopropyltoluene	119	23.977	23.977	0.000	52	74526	0.1728	
100 1,3-Dichlorobenzene	146	24.047	24.047	0.000	94	133265	0.4614	
101 1,4-Dichlorobenzene	146	24.191	24.197	-0.006	56	13894	0.0500	
102 Benzyl chloride	91		24.400				ND	
103 n-Butylbenzene	91		24.614				ND	
105 1,2-Dichlorobenzene	146		24.796				ND	
107 1,2,4-Trichlorobenzene	180		27.674				ND	
108 Hexachlorobutadiene	225		27.872				ND	
109 Naphthalene	128	28.257	28.257	0.000	98	136919	0.3500	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

ATTO15WISs_00003	Amount Added:	20.00	Units: mL	Run Reagent

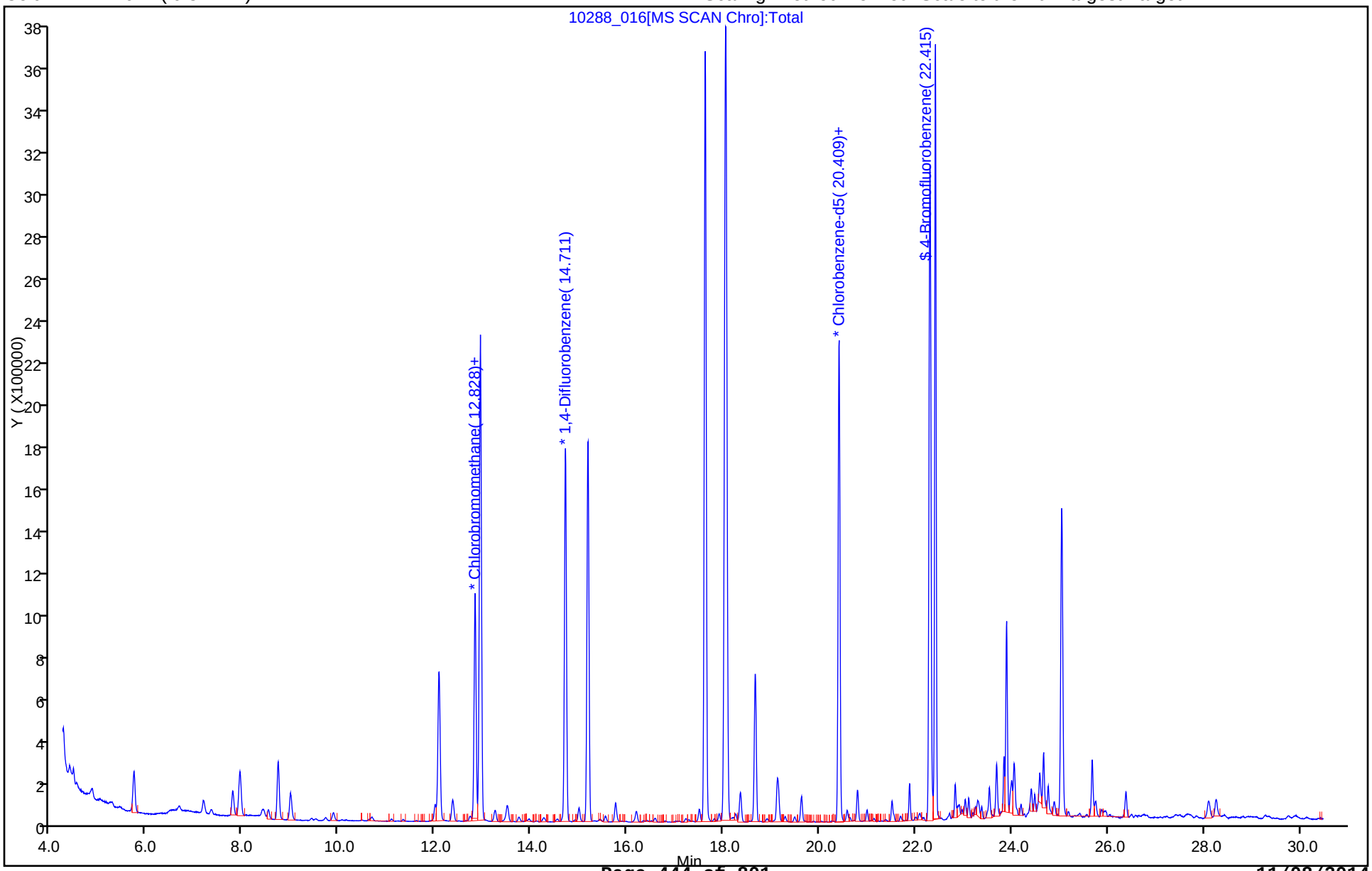
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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_016.d

Injection Date:	31-Oct-2014 21:31:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8	Worklist Smp#:	16
Client ID:	101CA01EA				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



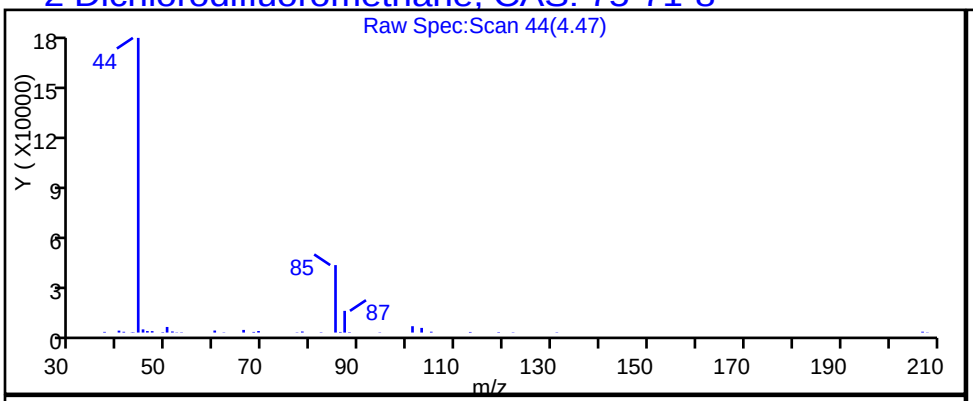
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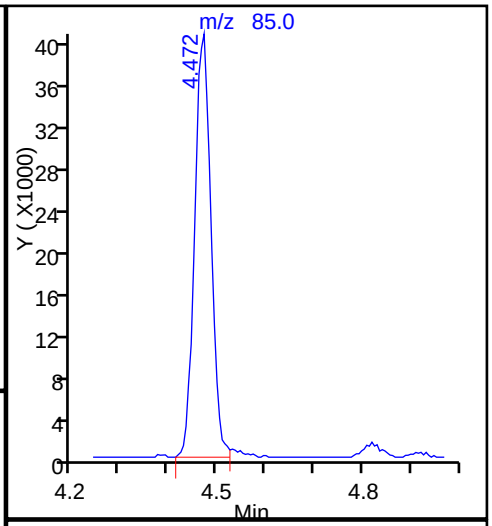
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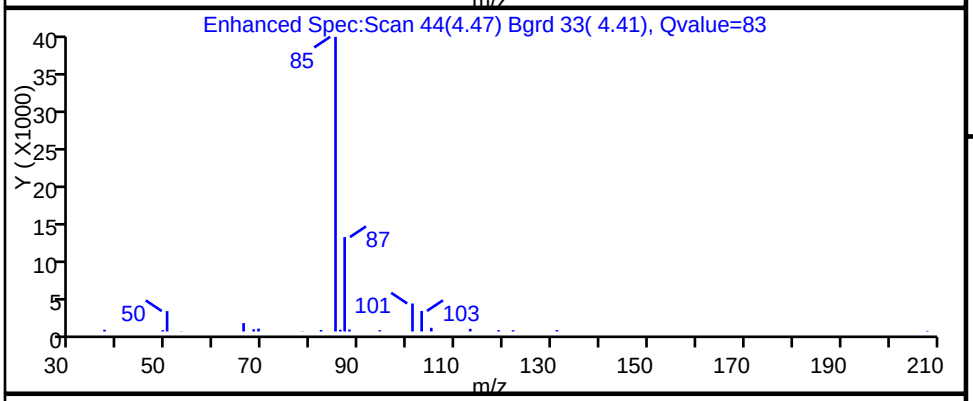
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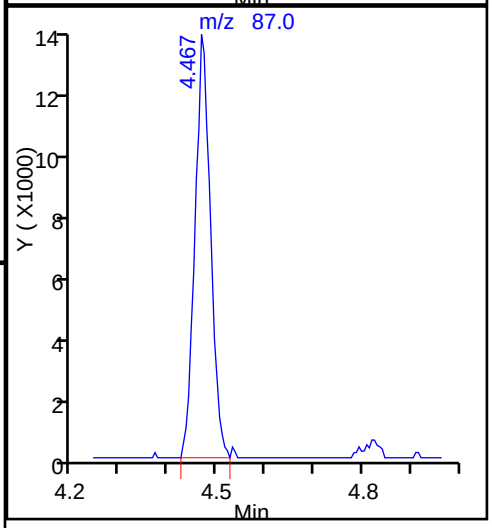
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Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

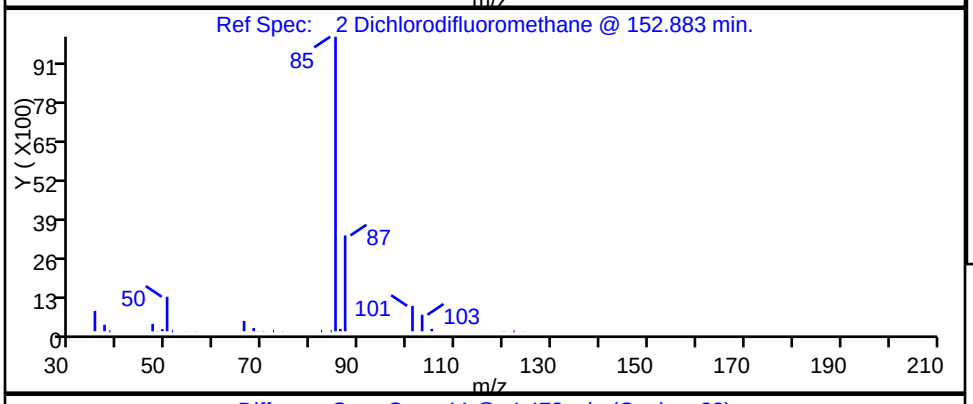
2 Dichlorodifluoromethane, CAS: 75-71-8

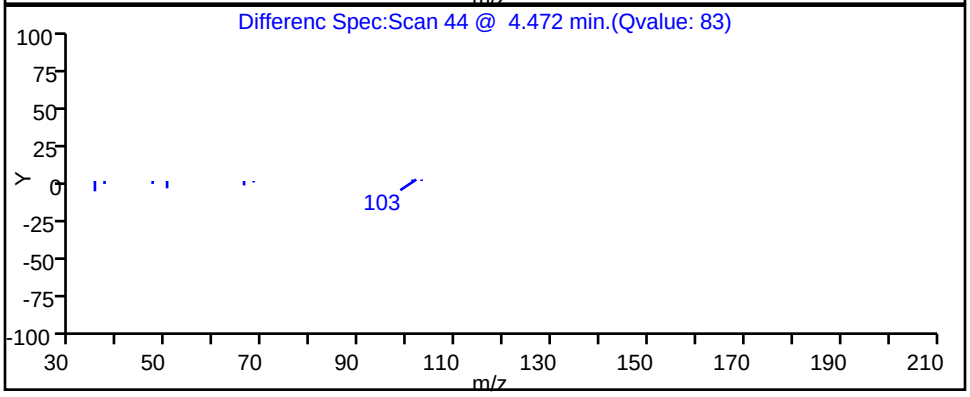








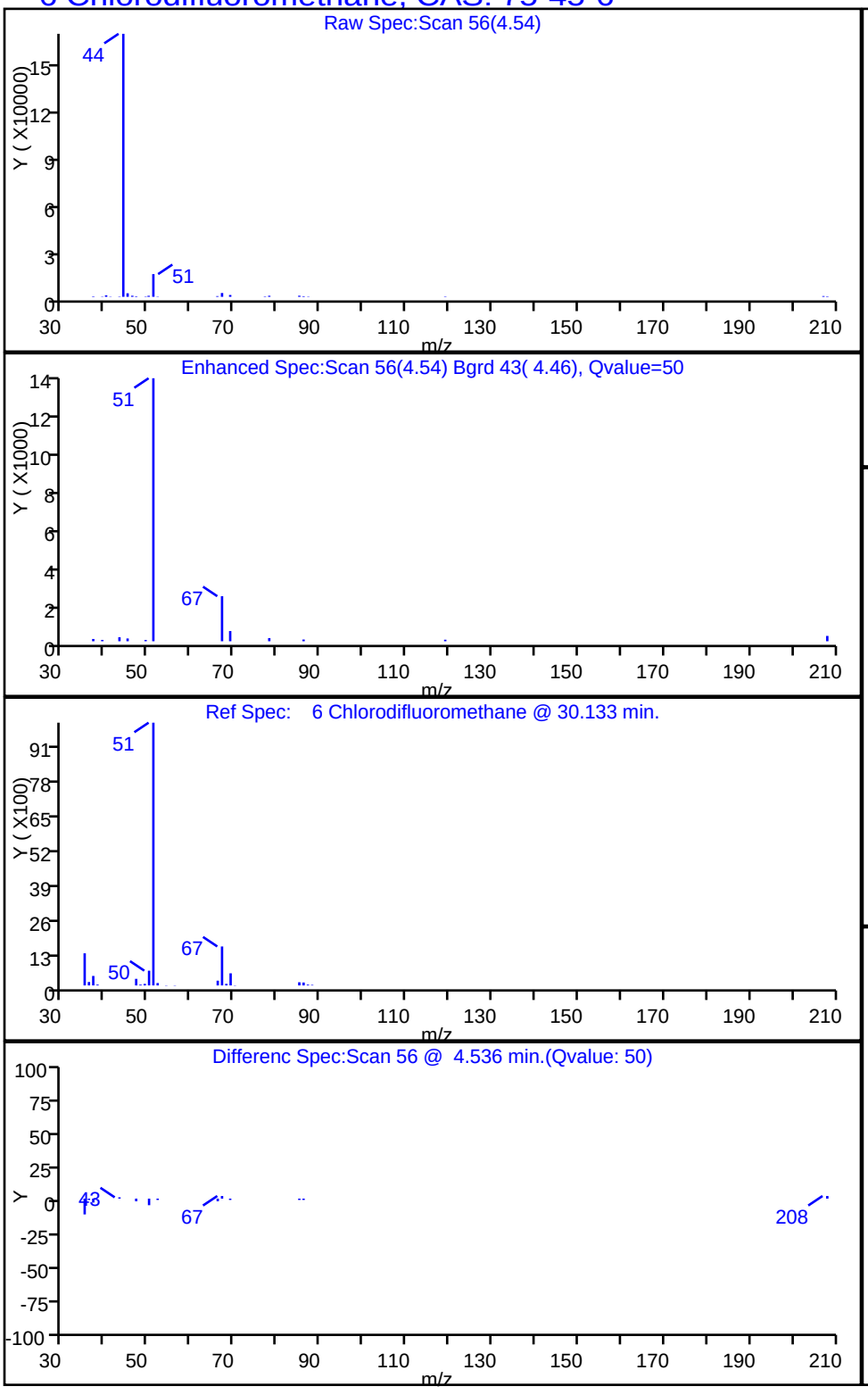


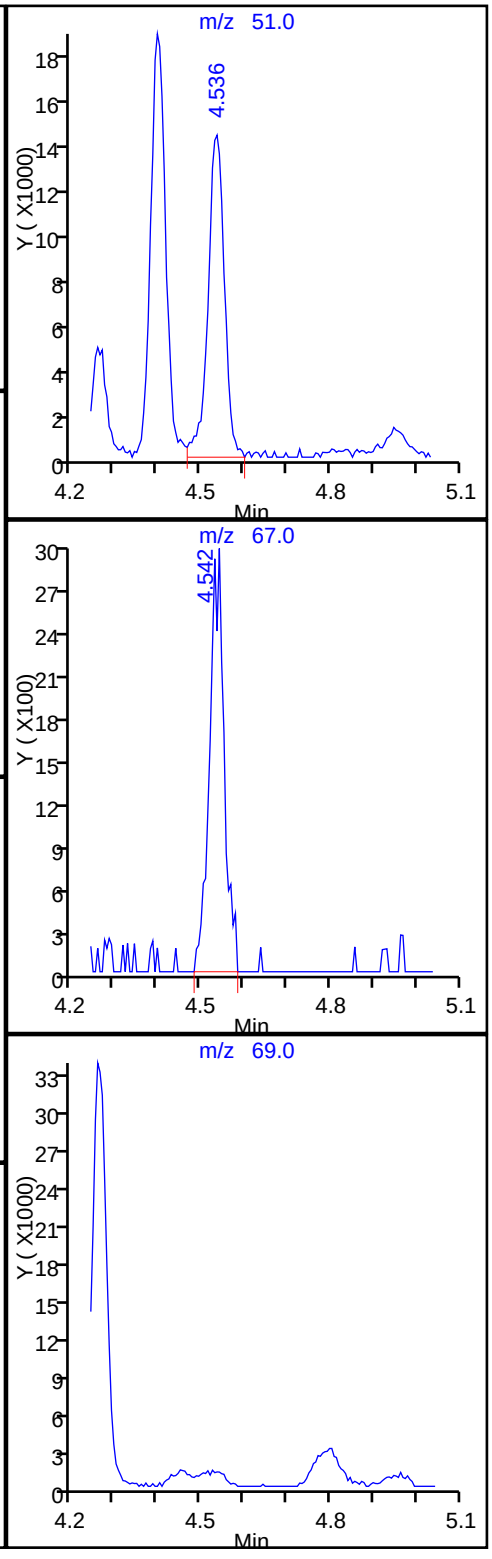


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Injection Date:	31-Oct-2014 21:31:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6





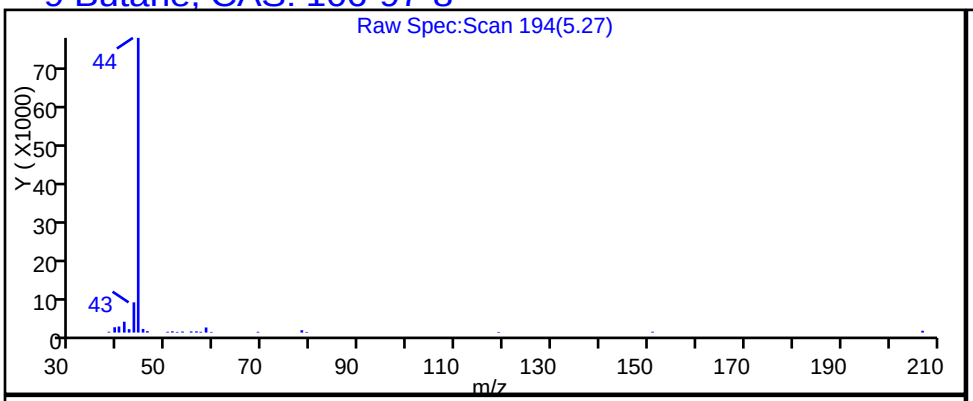
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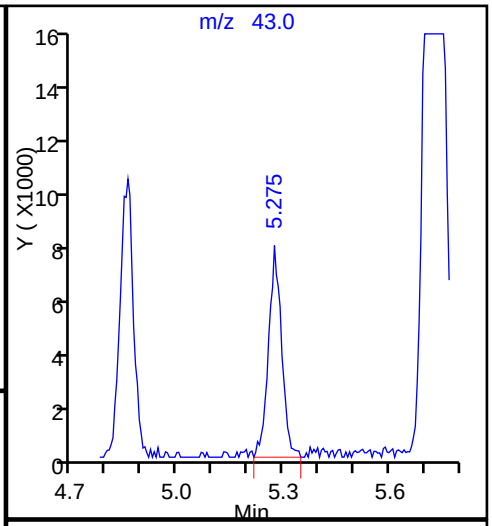
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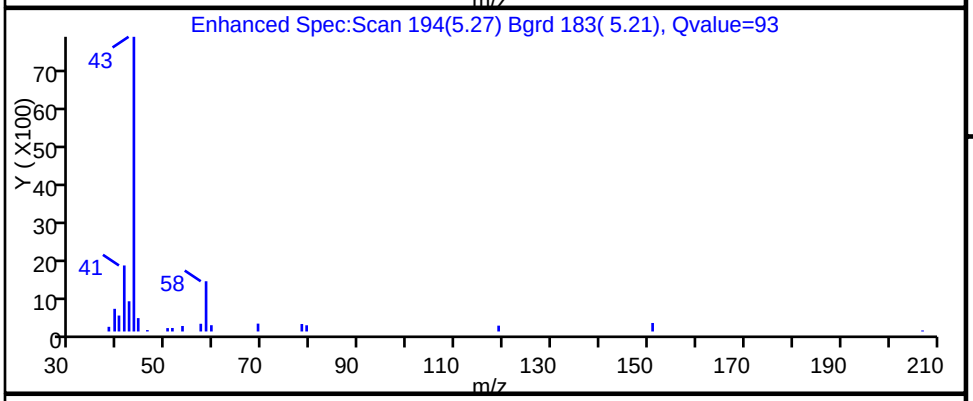
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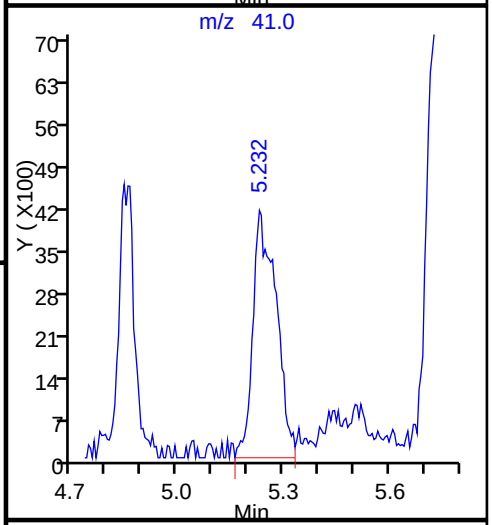
Injection Date:	31-Oct-2014 21:31:30	Instrument ID:	CHW.i
Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8
Client ID:	101CA01EA		
Operator ID:	BPL	ALS Bottle#:	15 Worklist Smp#: 16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

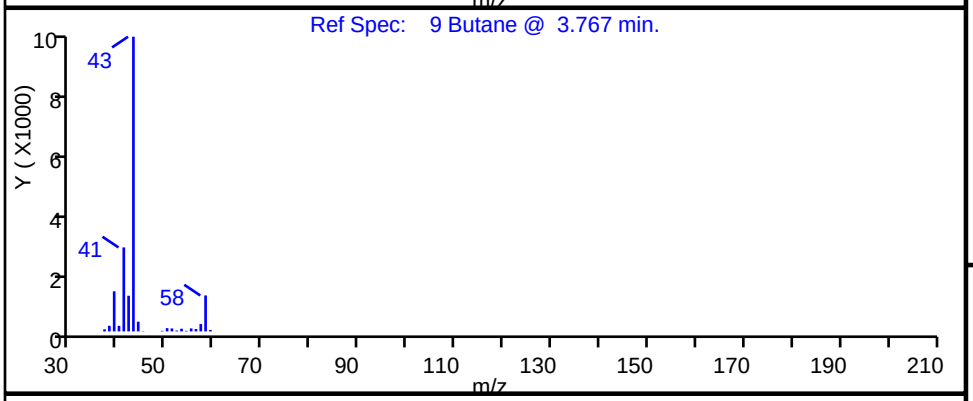
9 Butane, CAS: 106-97-8

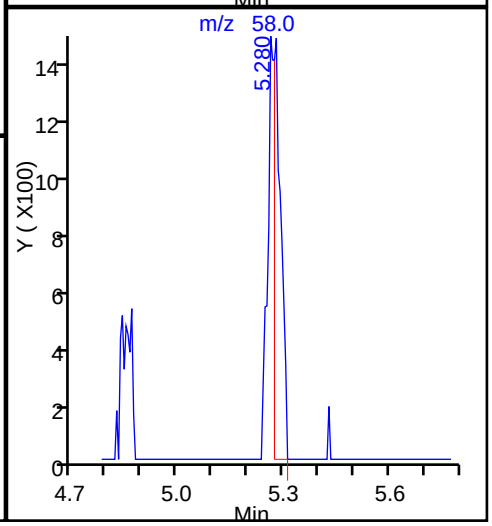


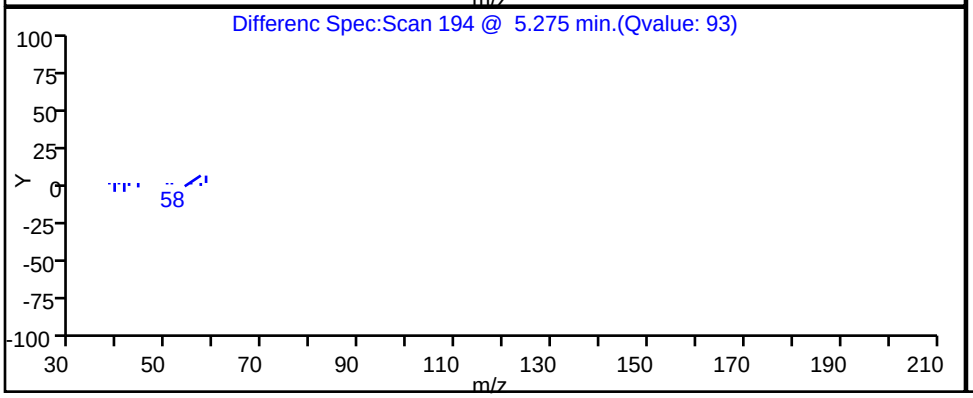












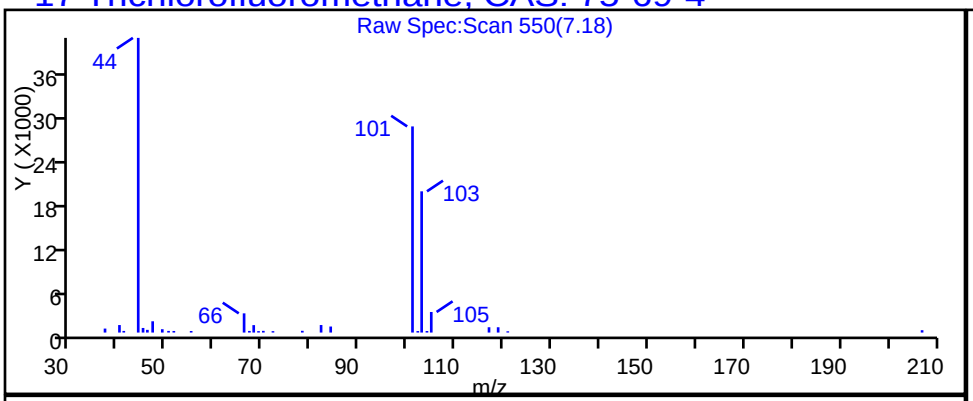
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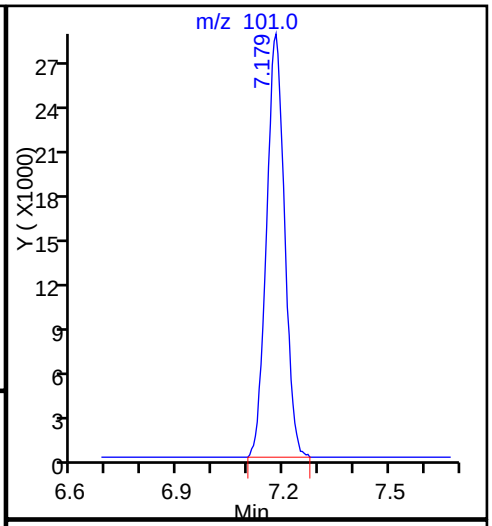
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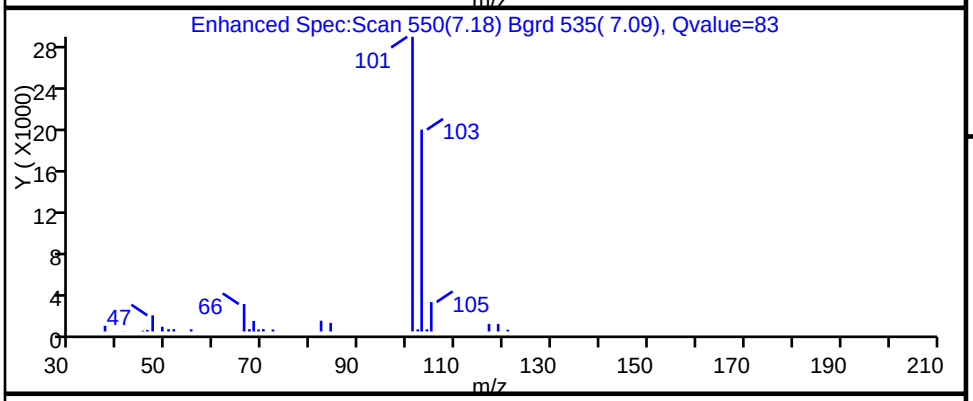
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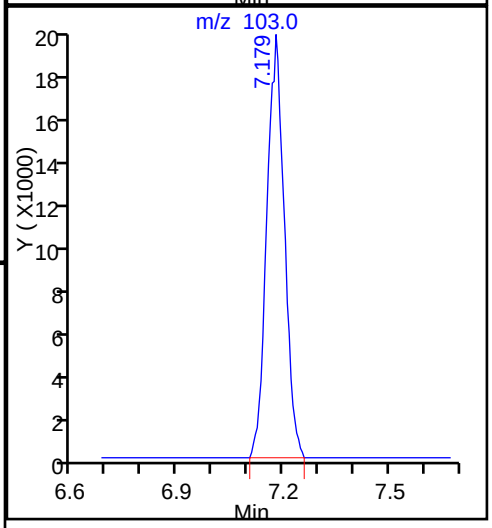
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Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

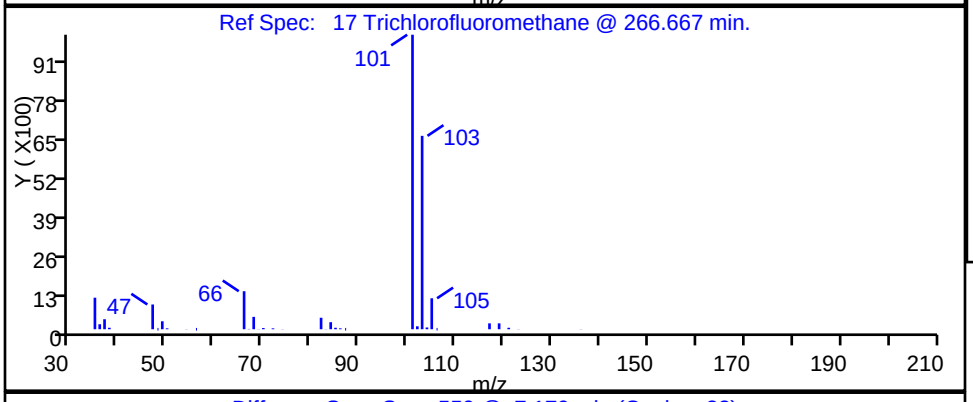
17 Trichlorofluoromethane, CAS: 75-69-4

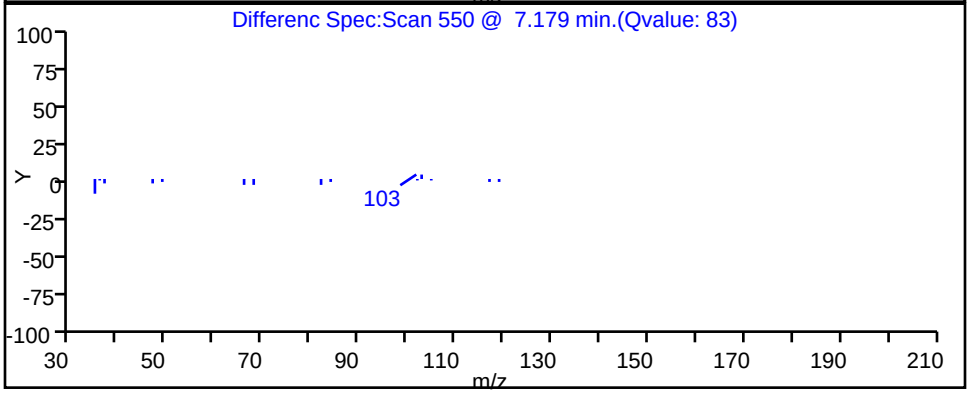










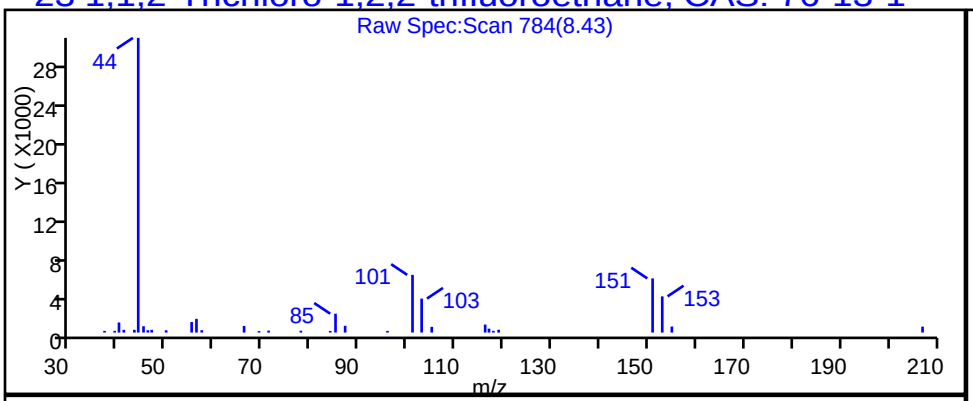


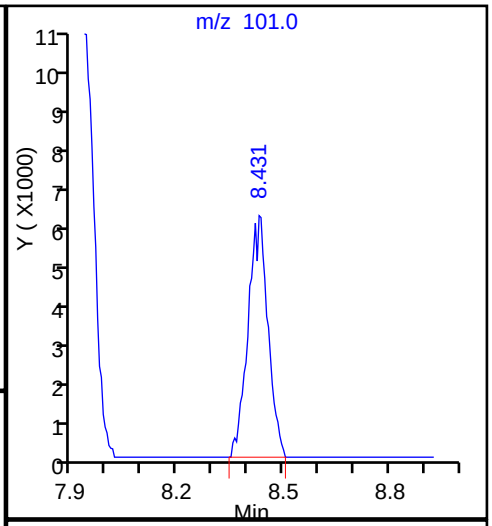
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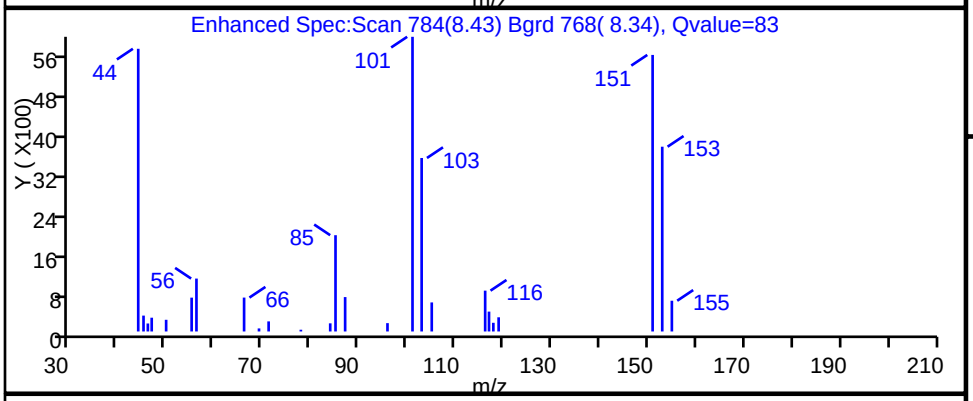
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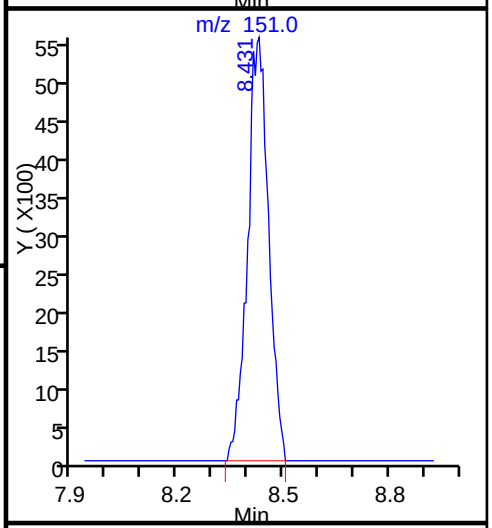
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Injection Date:	31-Oct-2014 21:31:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

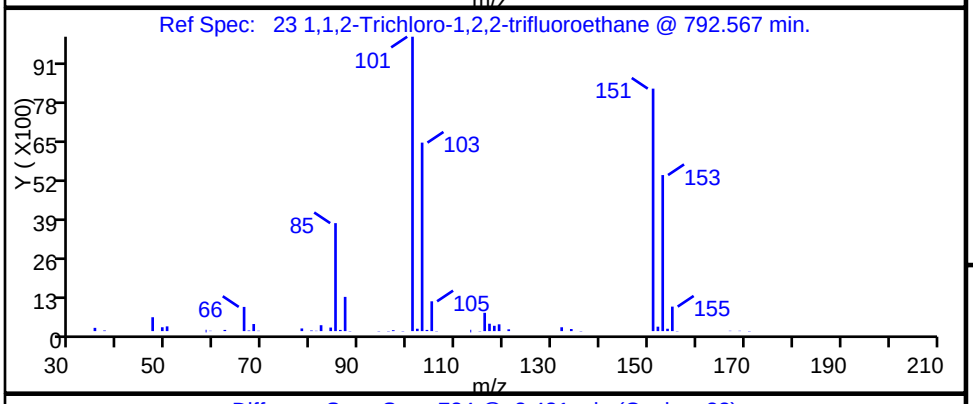
23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

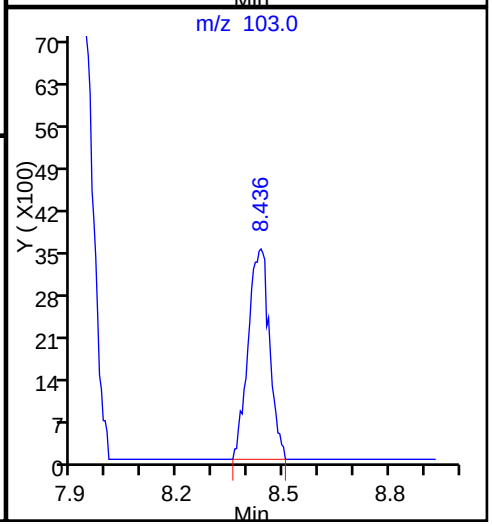


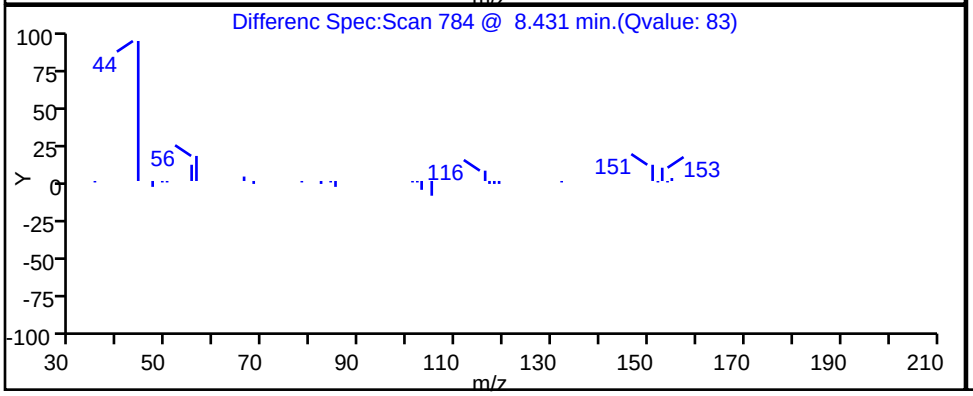












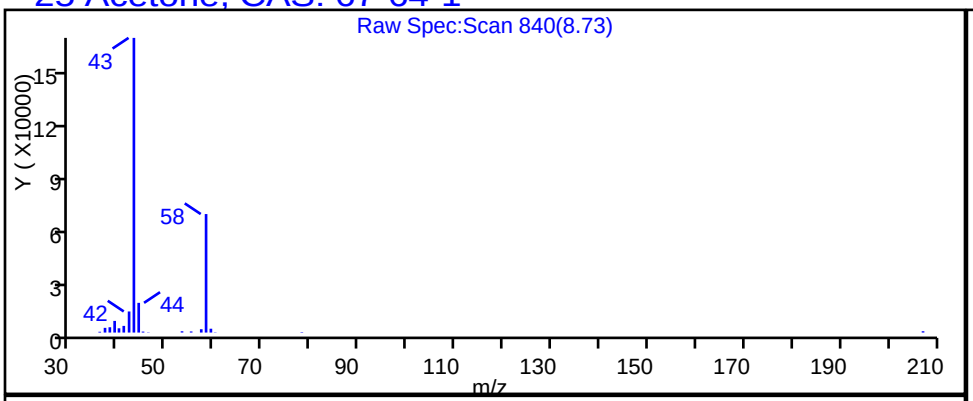
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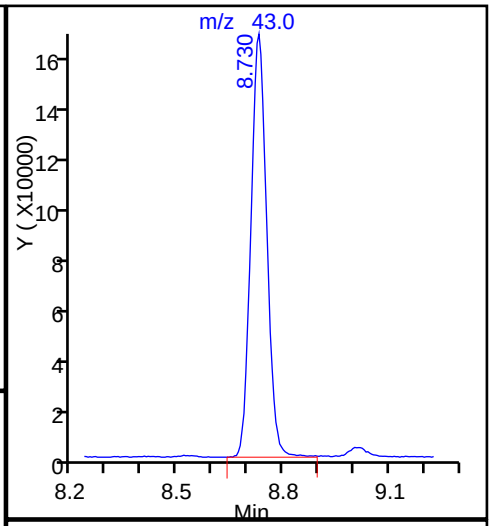
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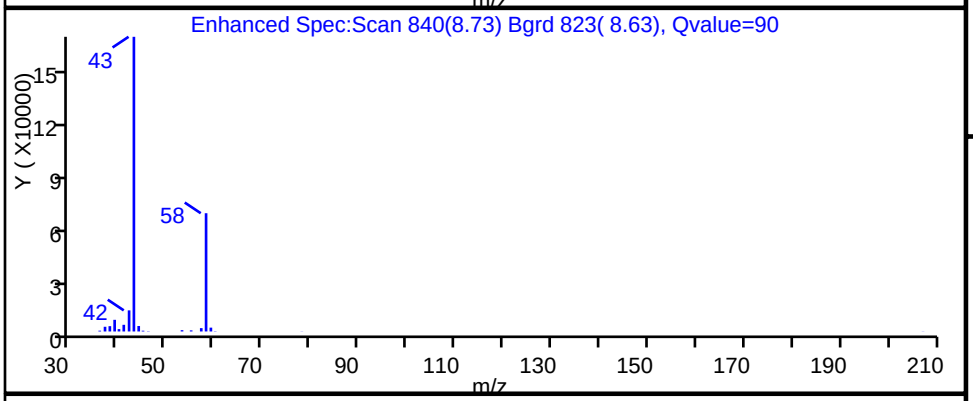
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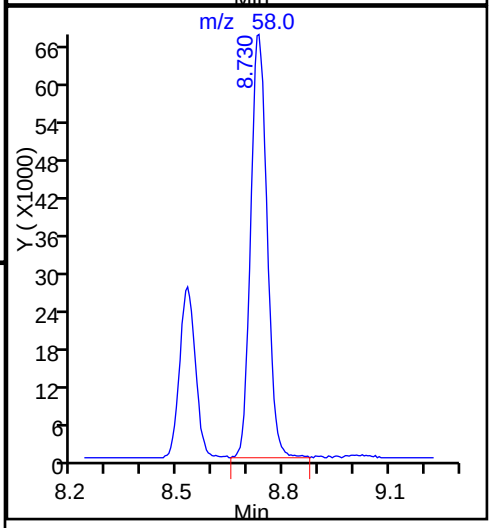
Injection Date:	31-Oct-2014 21:31:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

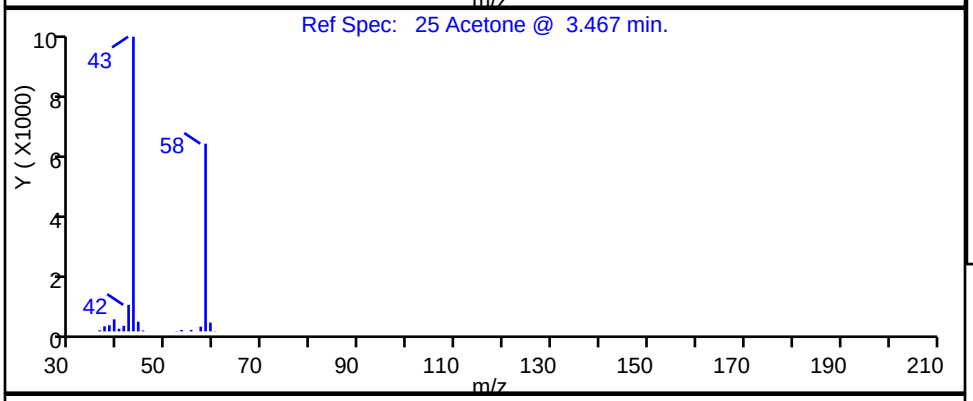
25 Acetone, CAS: 67-64-1

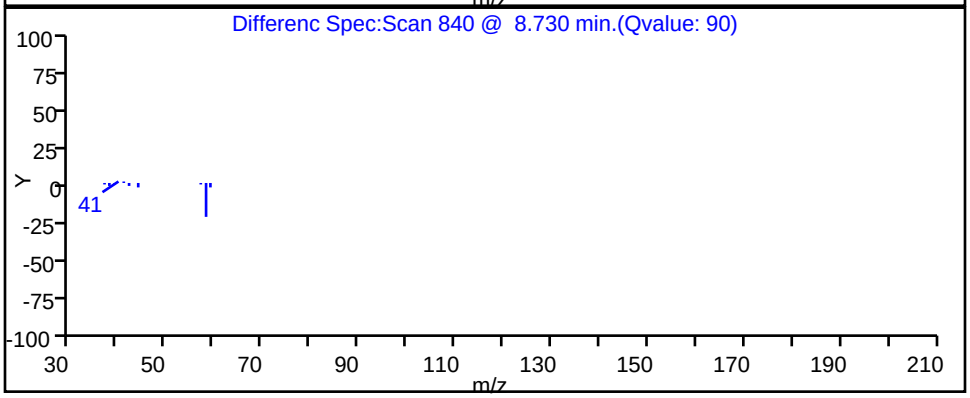








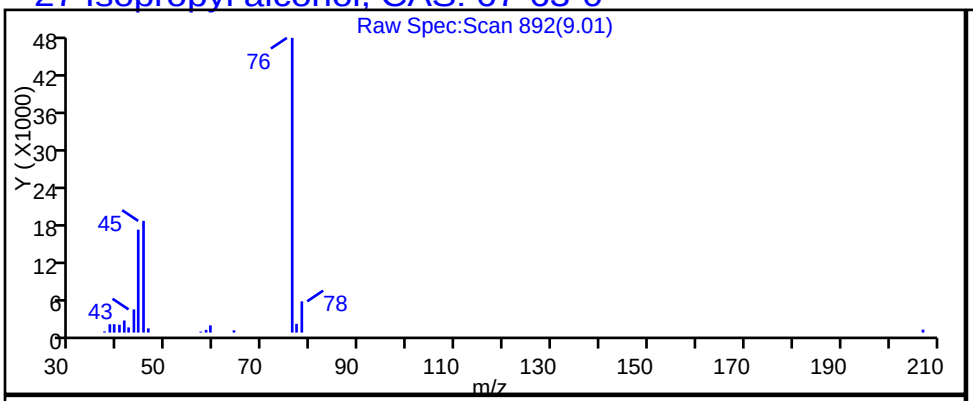


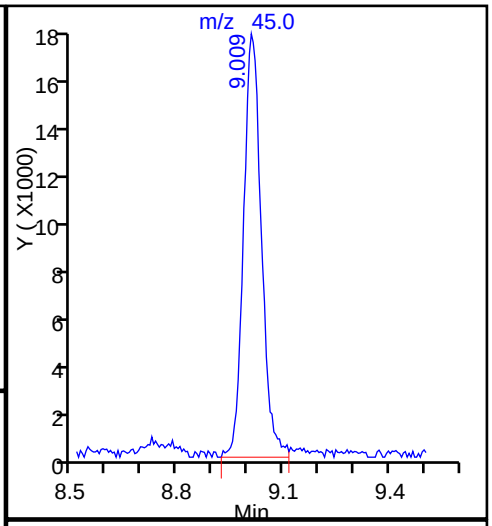


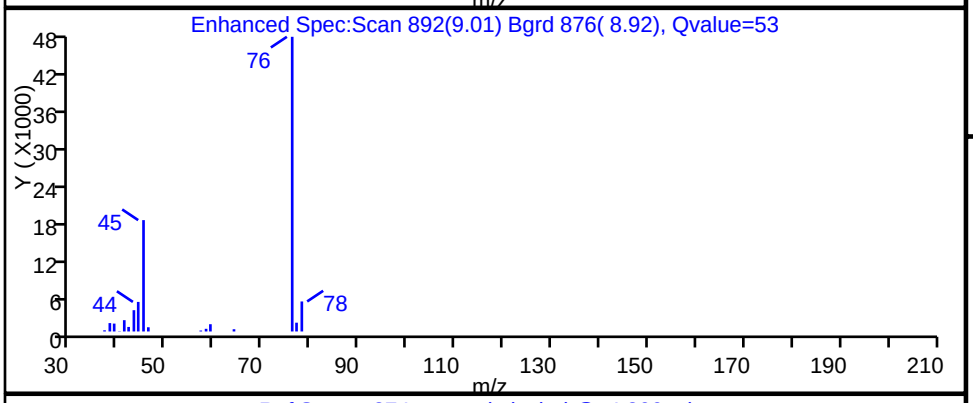
TestAmerica Burlington

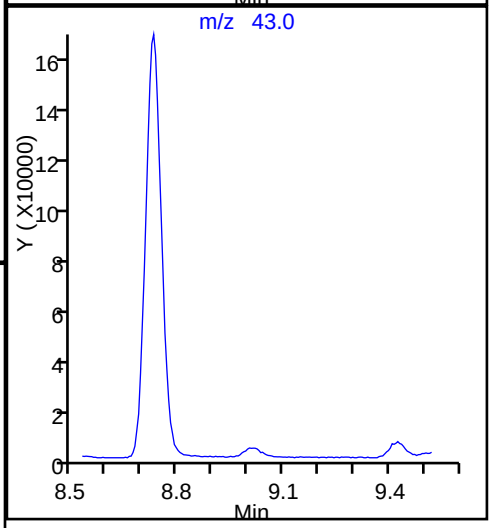
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Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

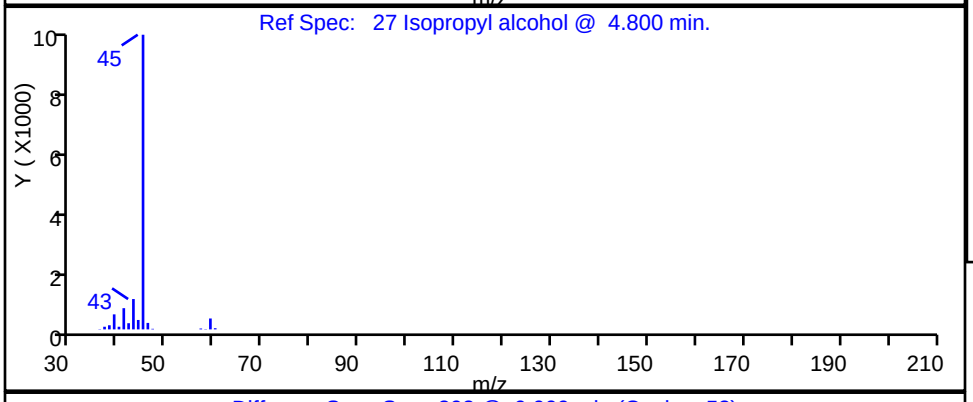
27 Isopropyl alcohol, CAS: 67-63-0

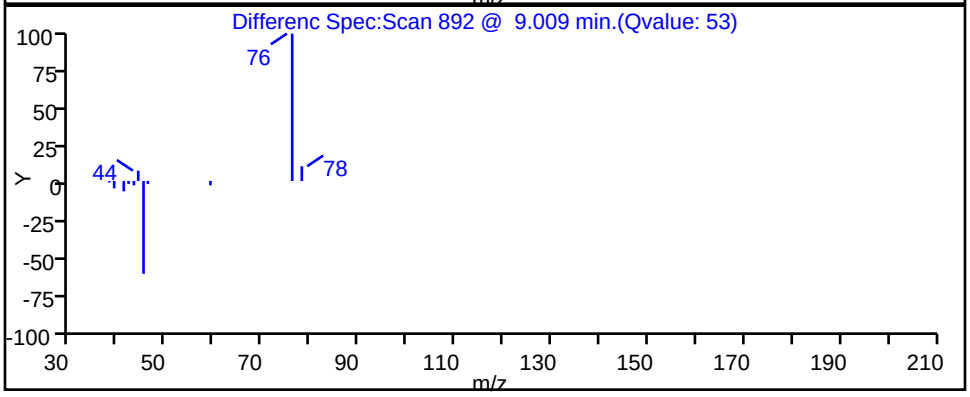












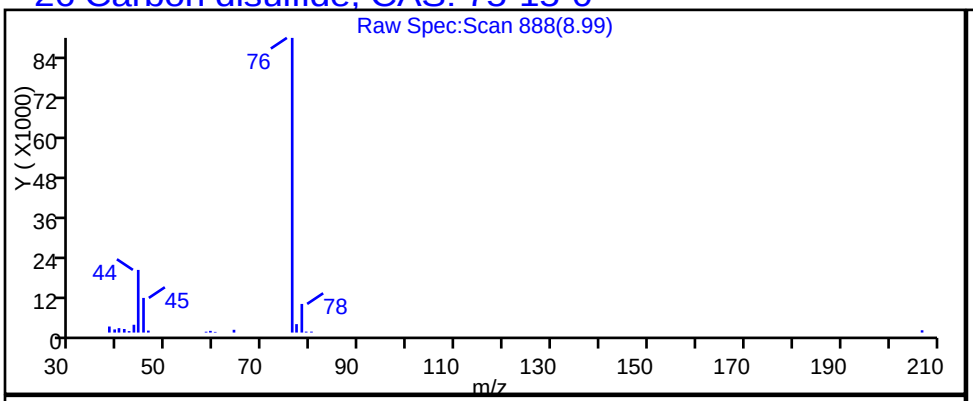
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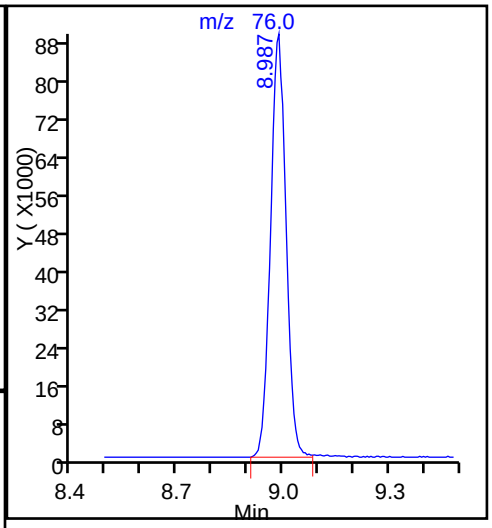
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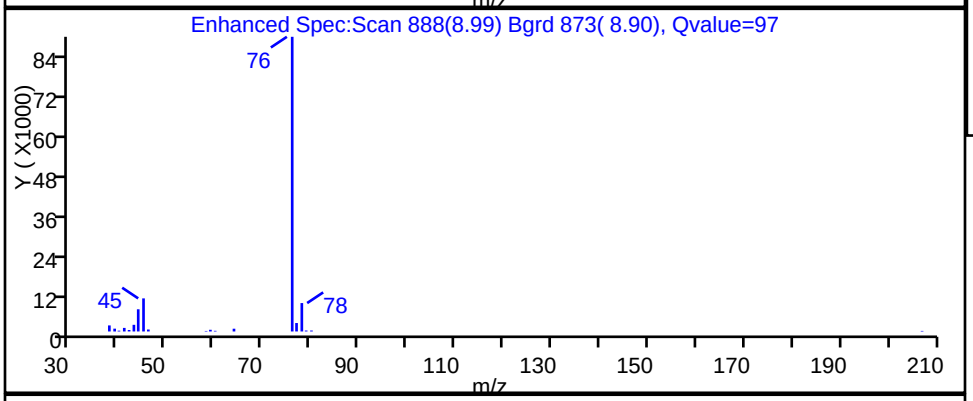
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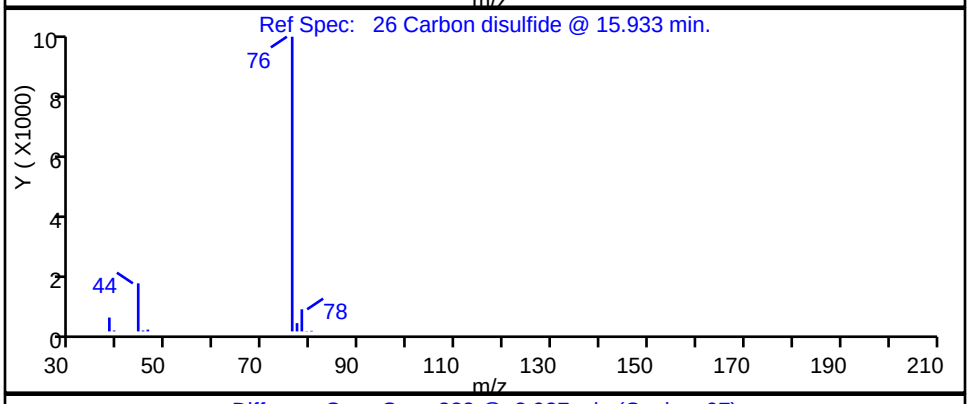
Injection Date:	31-Oct-2014 21:31:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

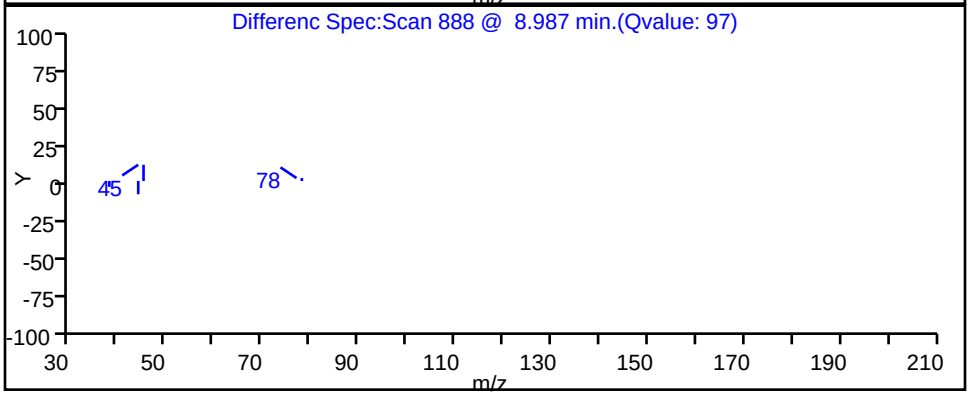
26 Carbon disulfide, CAS: 75-15-0











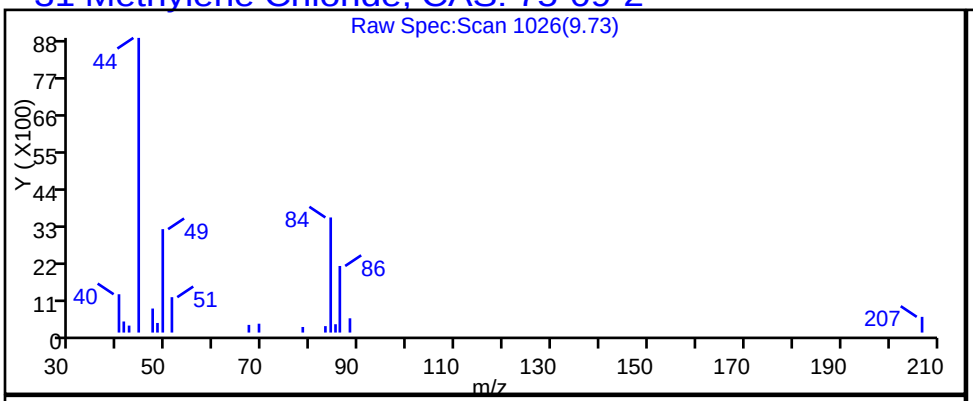
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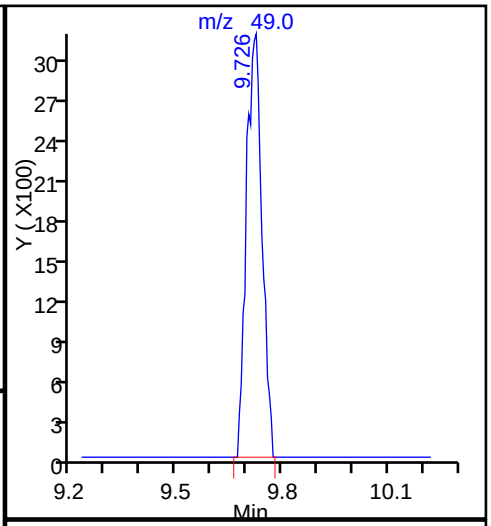
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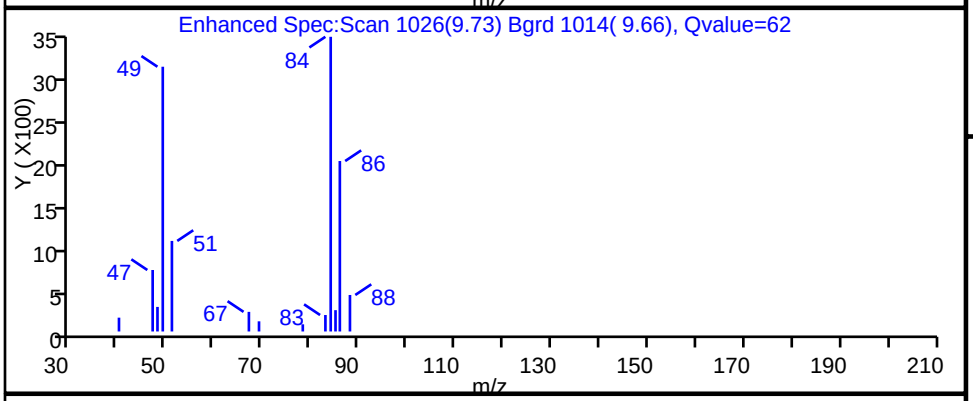
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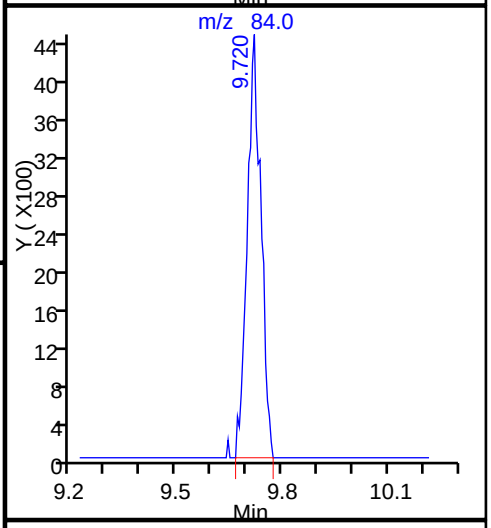
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Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

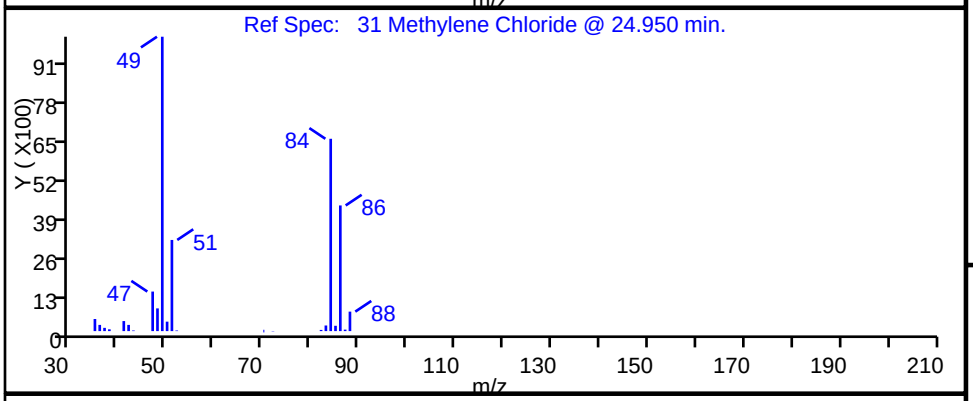
31 Methylene Chloride, CAS: 75-09-2

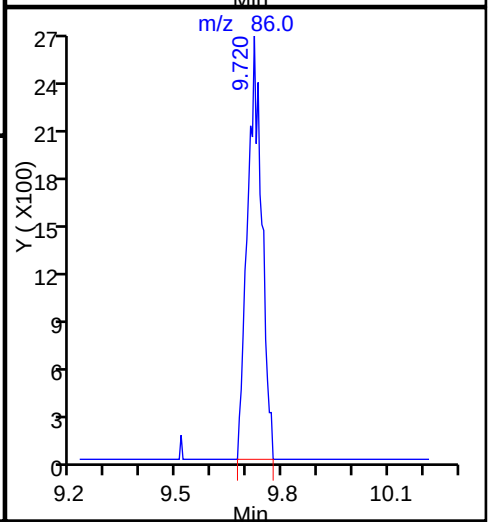


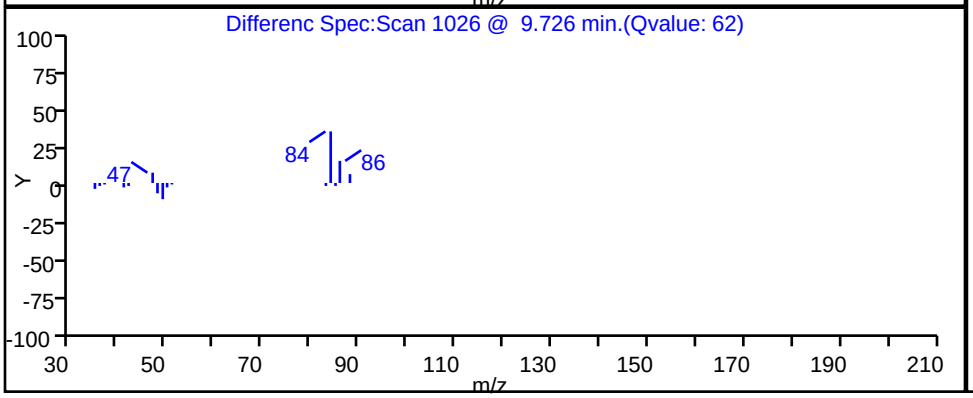












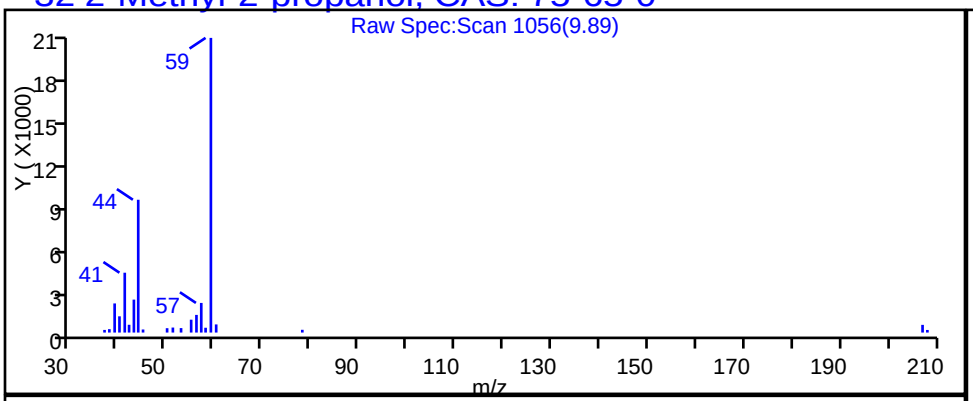
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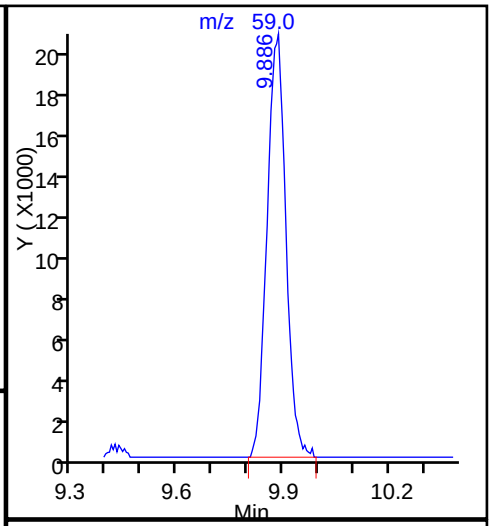
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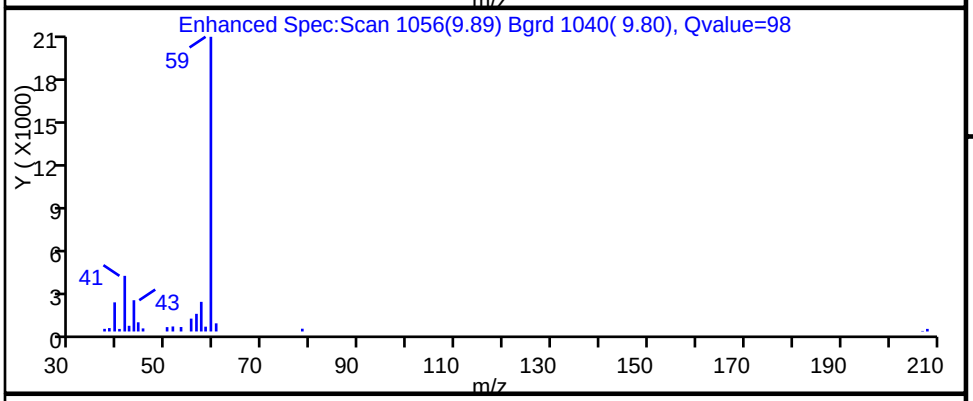
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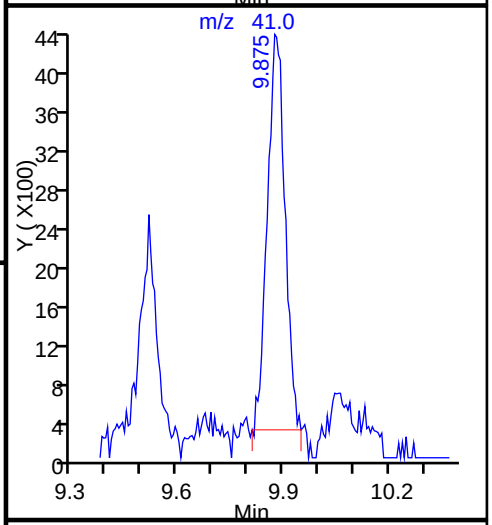
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Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

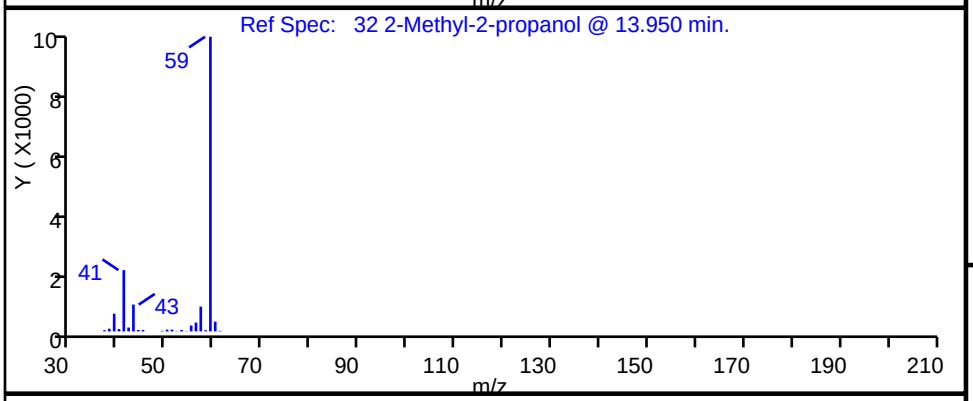
32 2-Methyl-2-propanol, CAS: 75-65-0

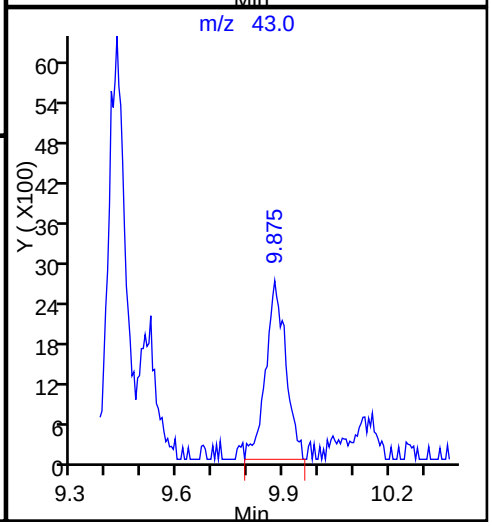


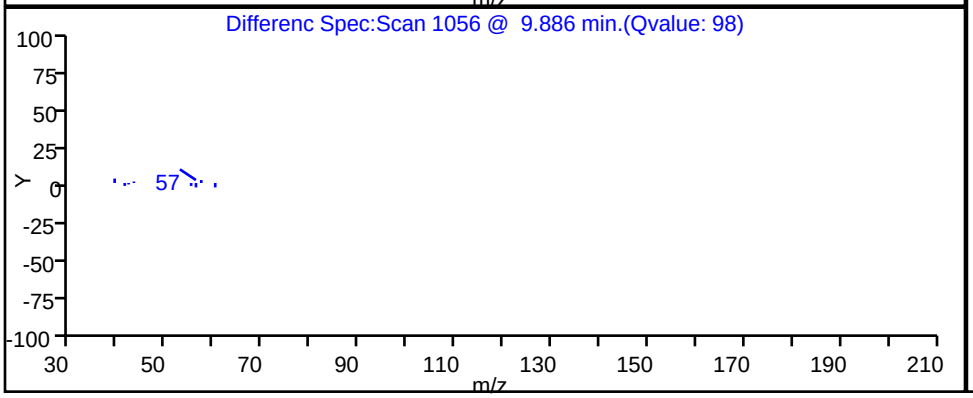












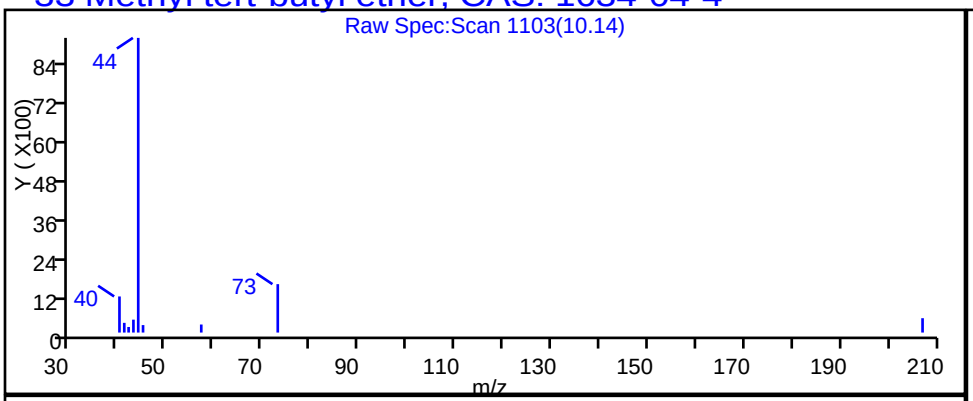
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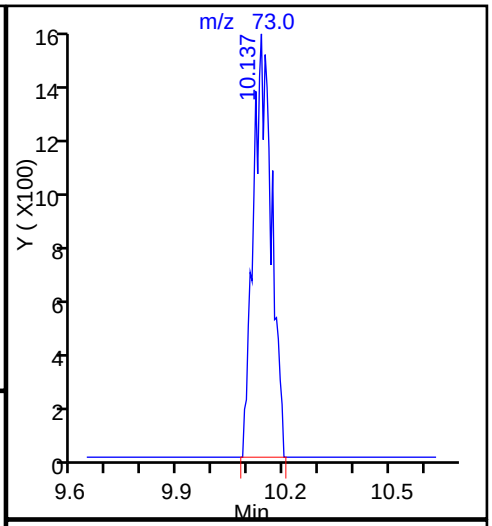
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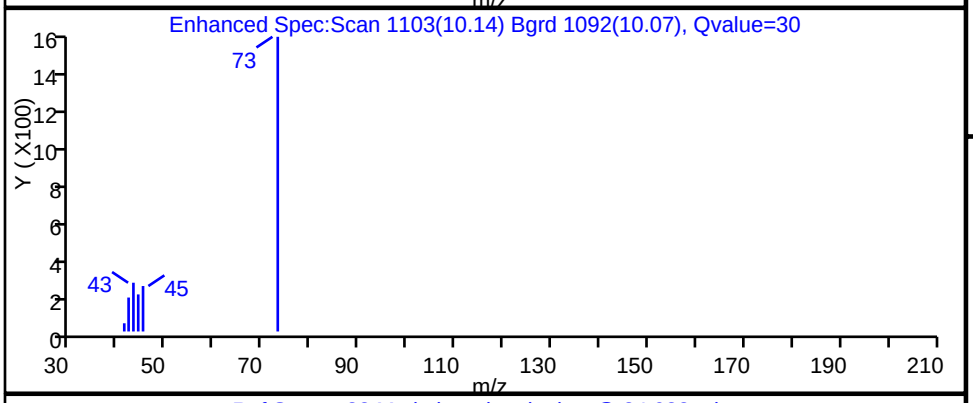
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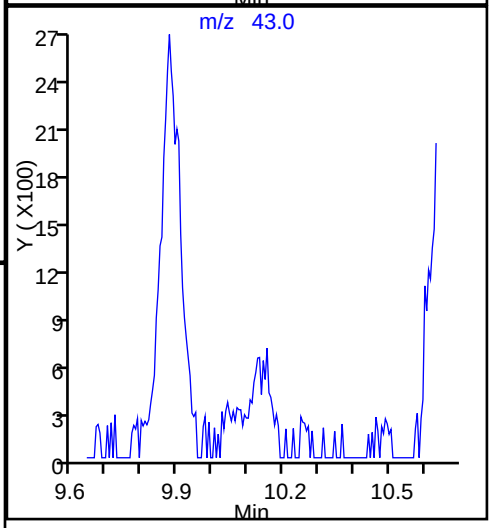
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Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
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Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

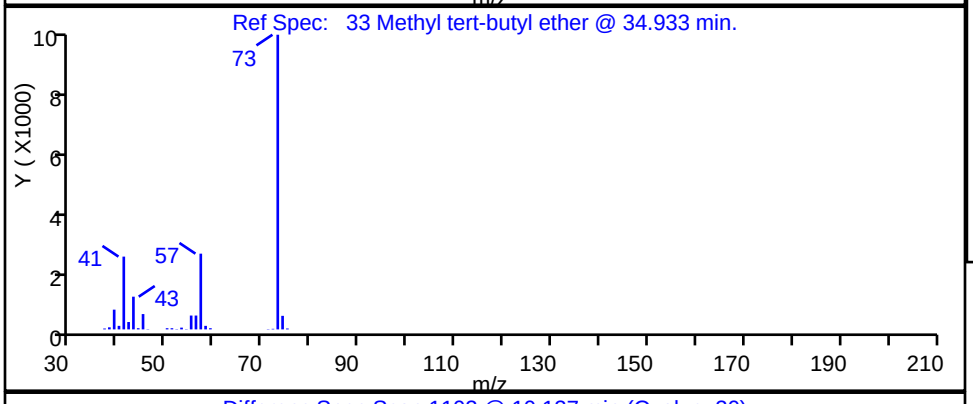
33 Methyl tert-butyl ether, CAS: 1634-04-4

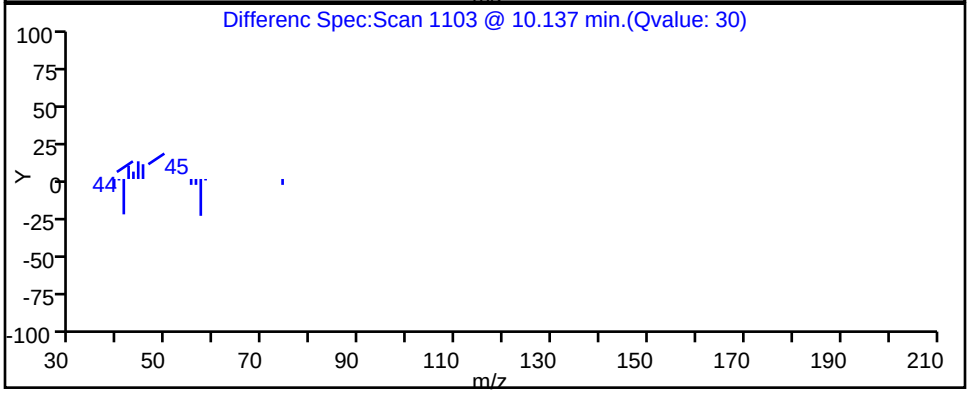








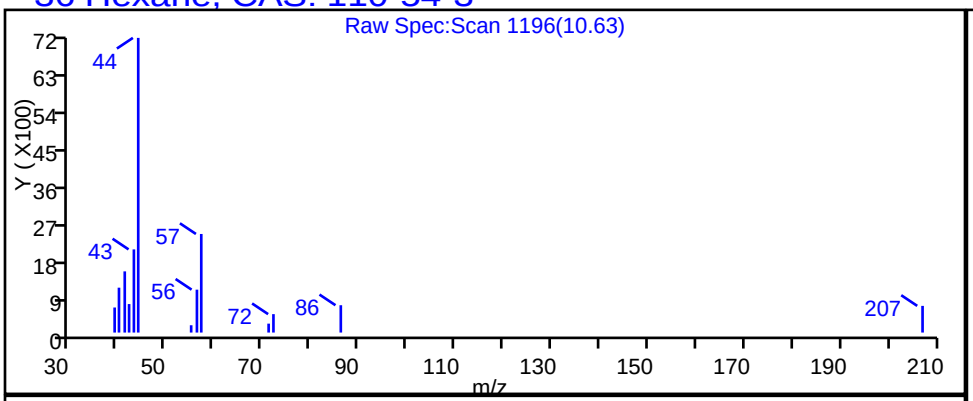


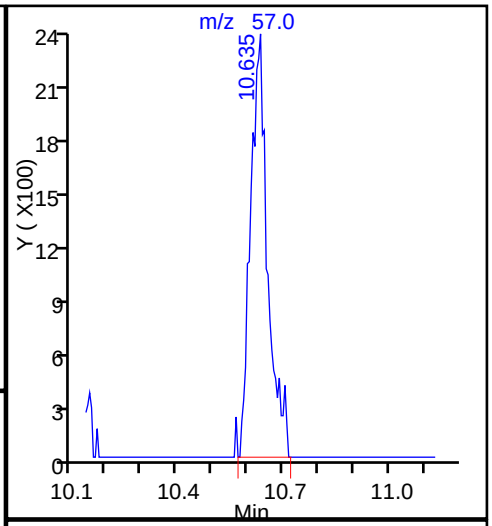


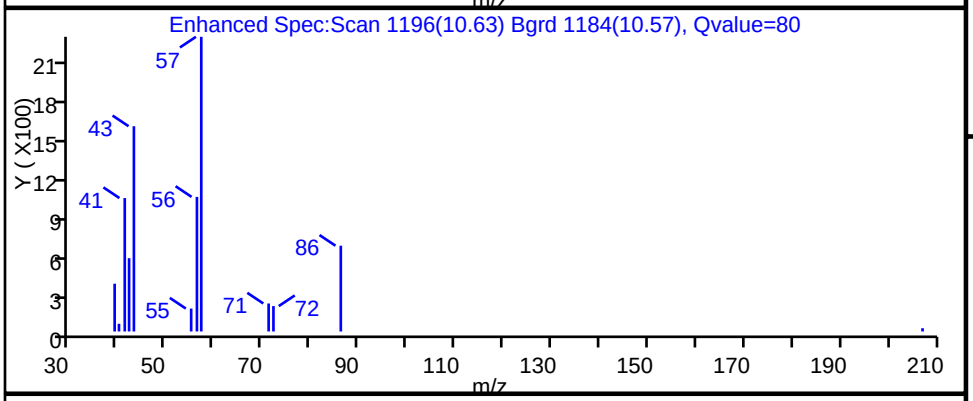
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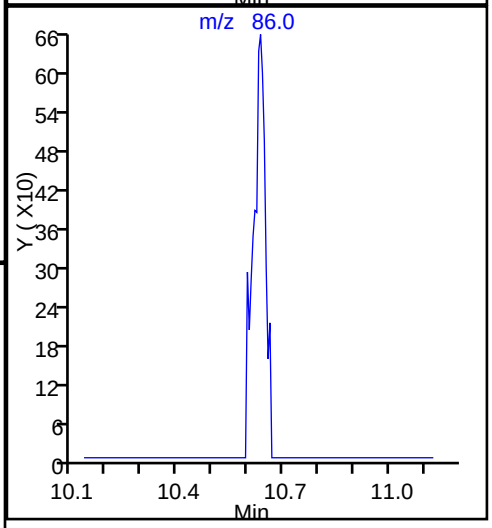
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Injection Date:	31-Oct-2014 21:31:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

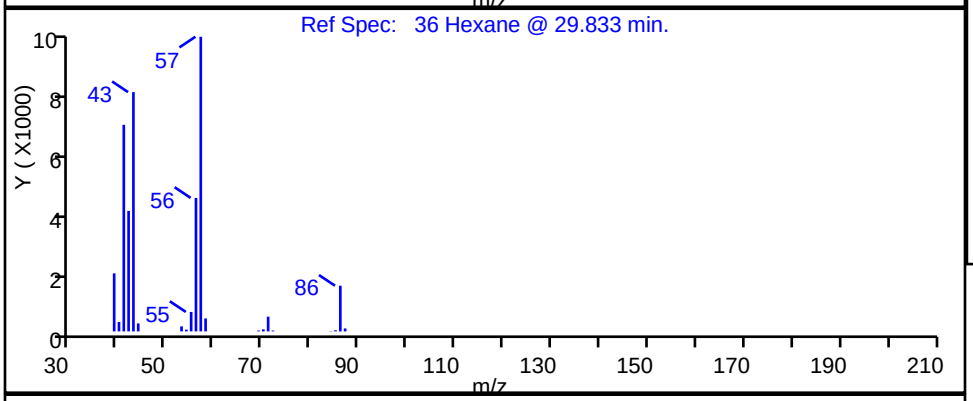
36 Hexane, CAS: 110-54-3

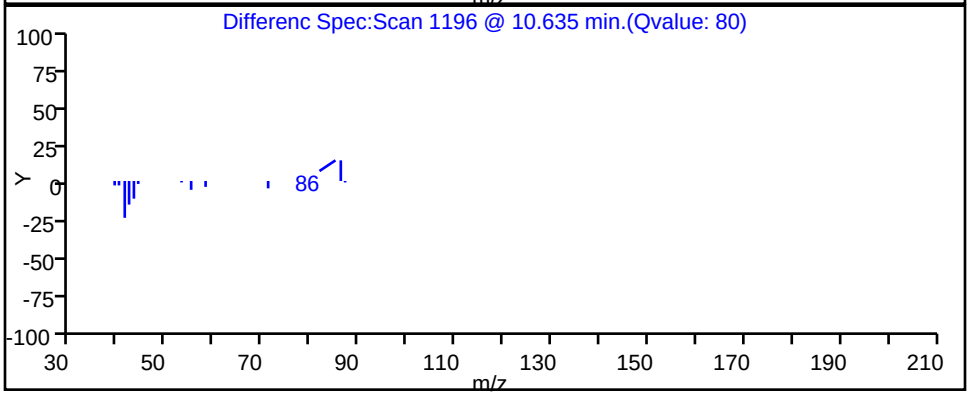








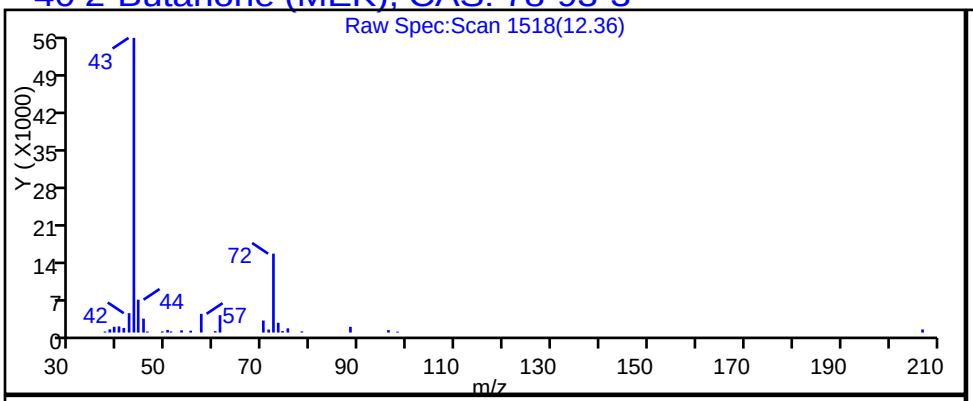


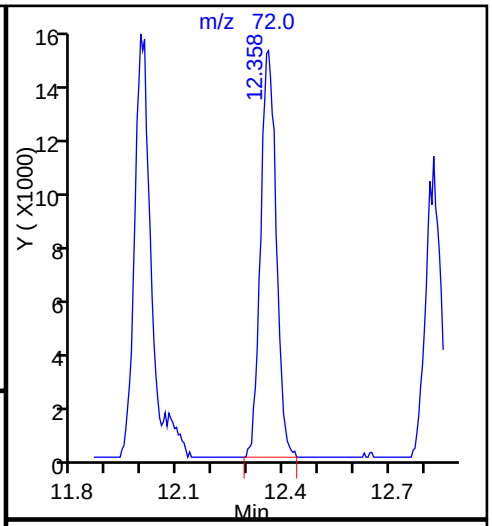


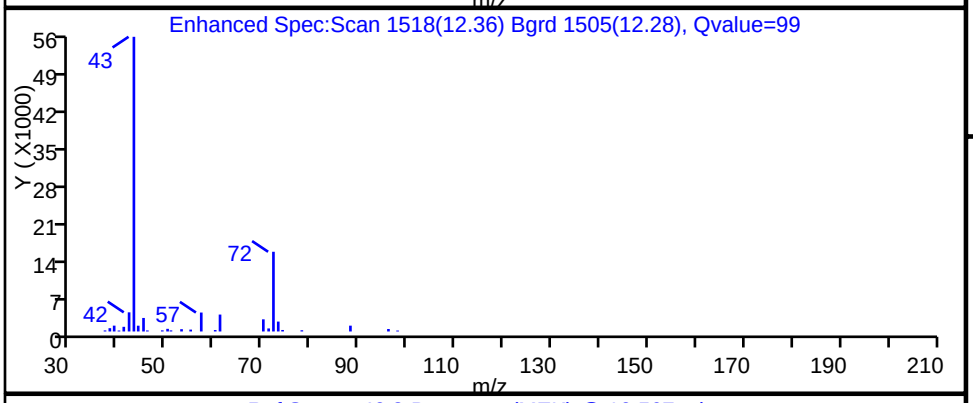
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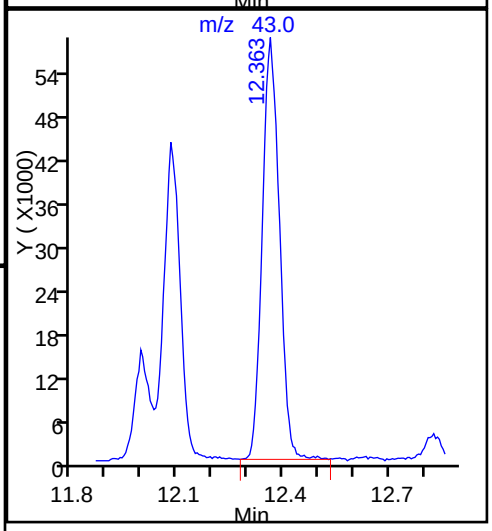
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Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
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Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

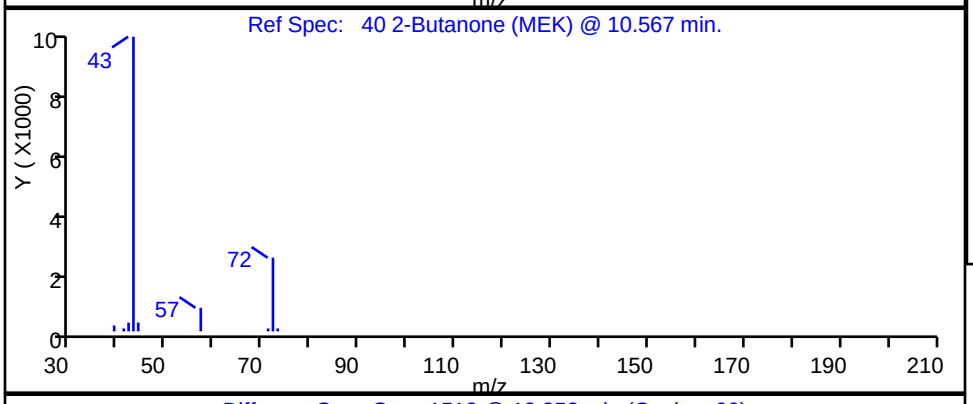
40 2-Butanone (MEK), CAS: 78-93-3

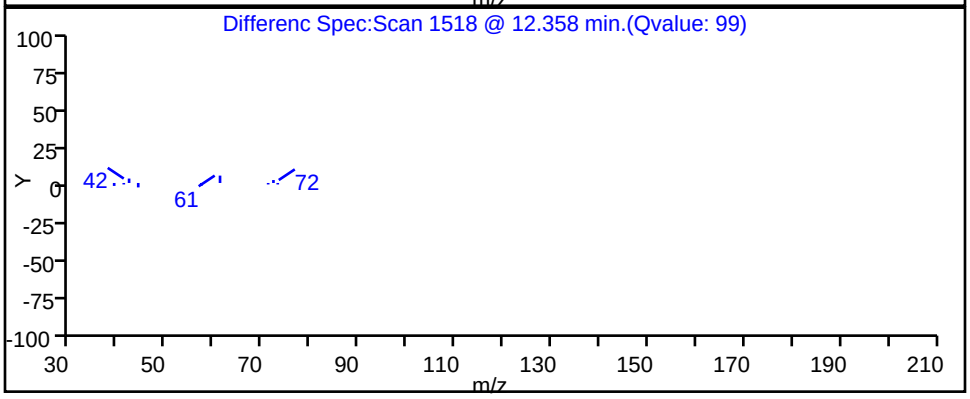












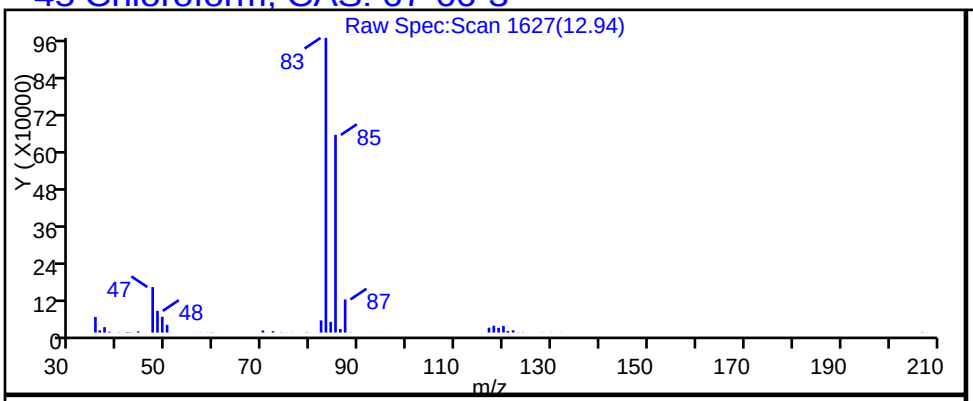
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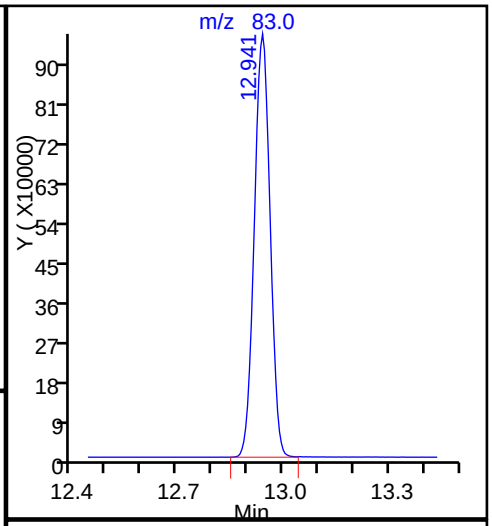
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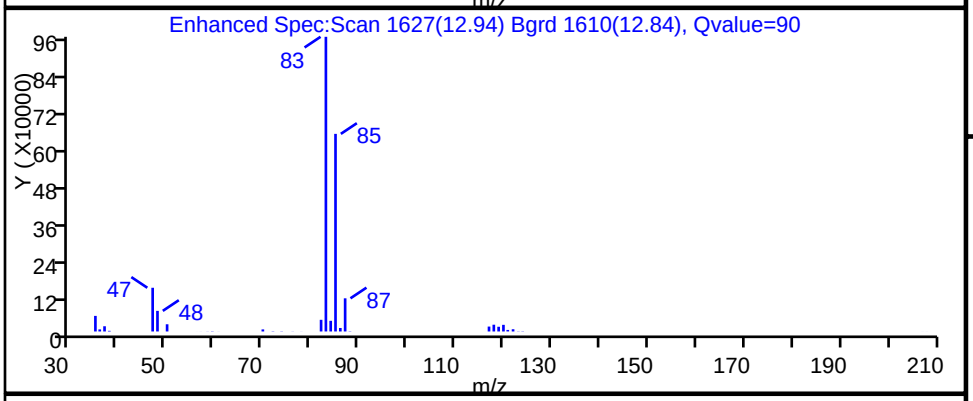
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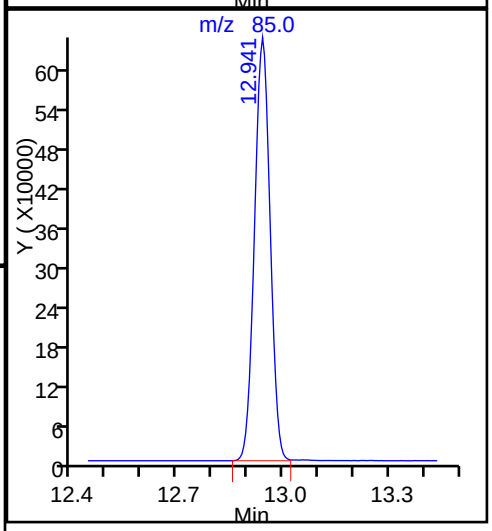
Injection Date:	31-Oct-2014 21:31:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
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Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

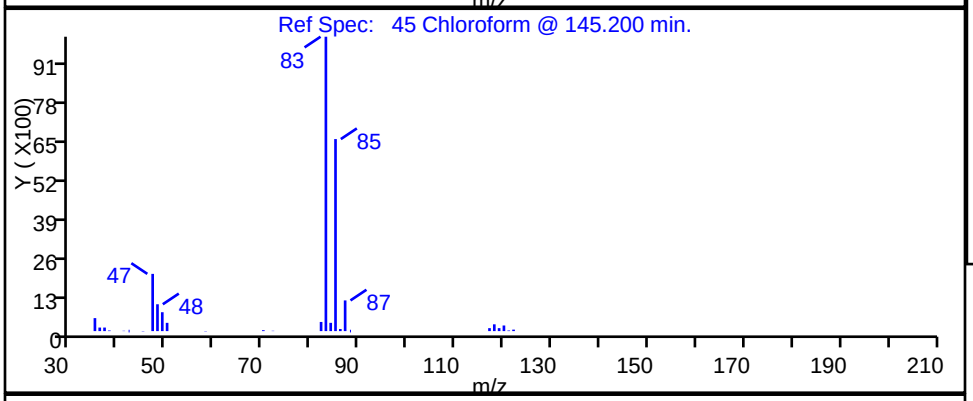
45 Chloroform, CAS: 67-66-3

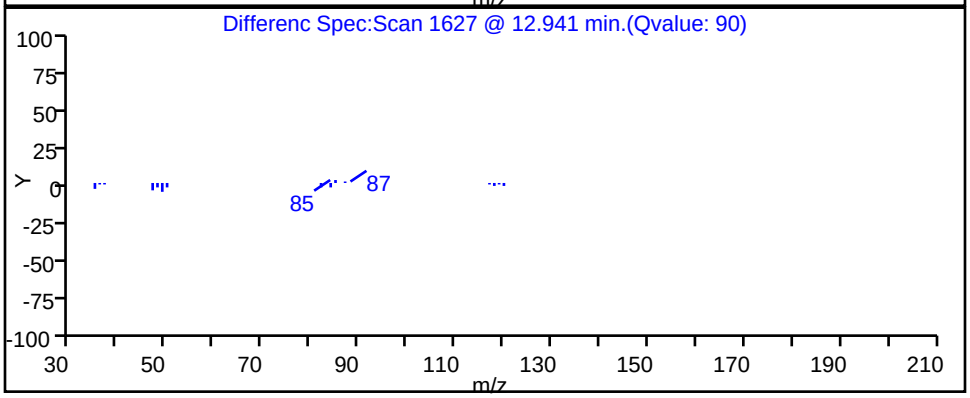












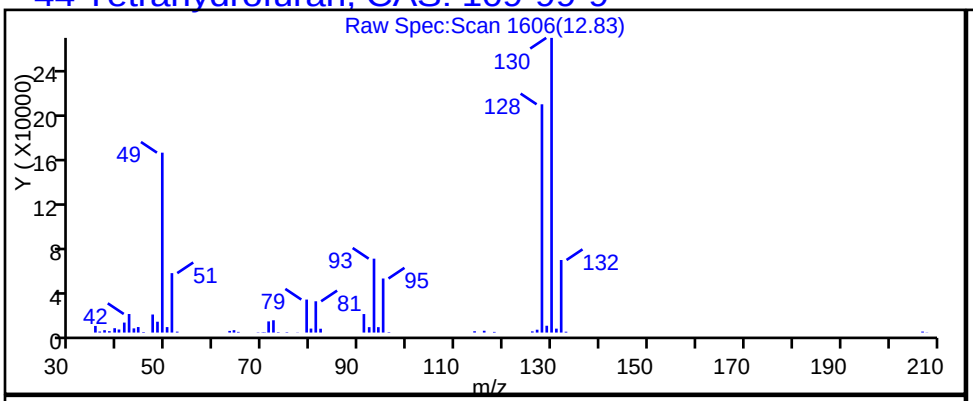
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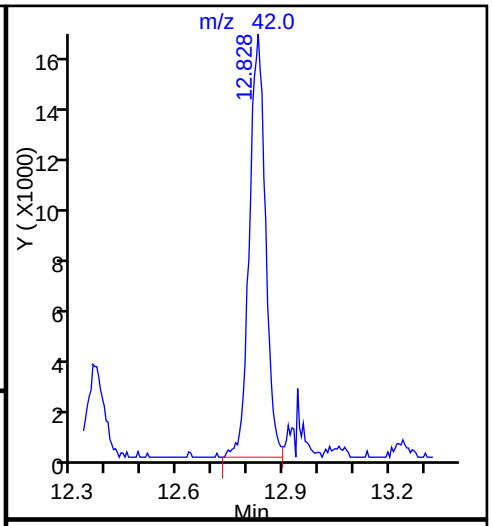
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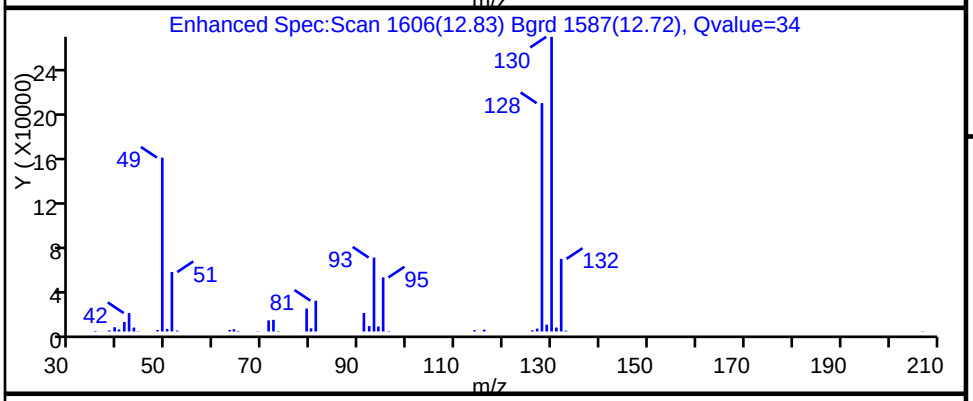
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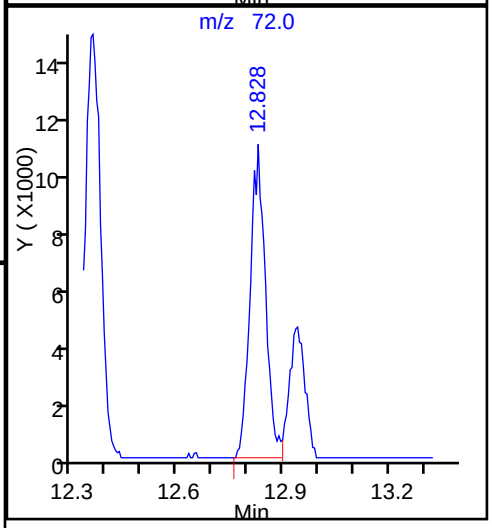
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Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

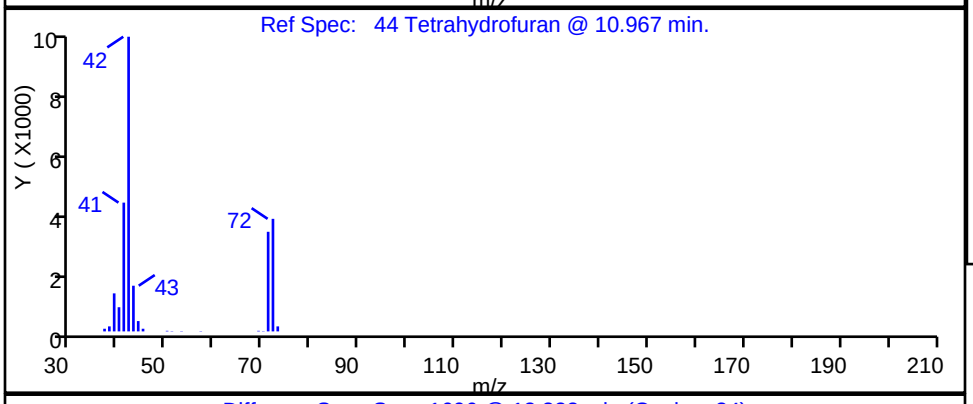
44 Tetrahydrofuran, CAS: 109-99-9

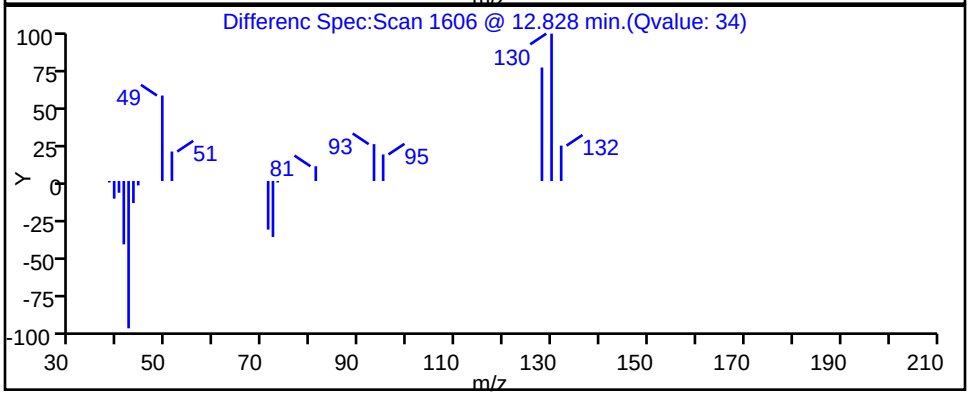








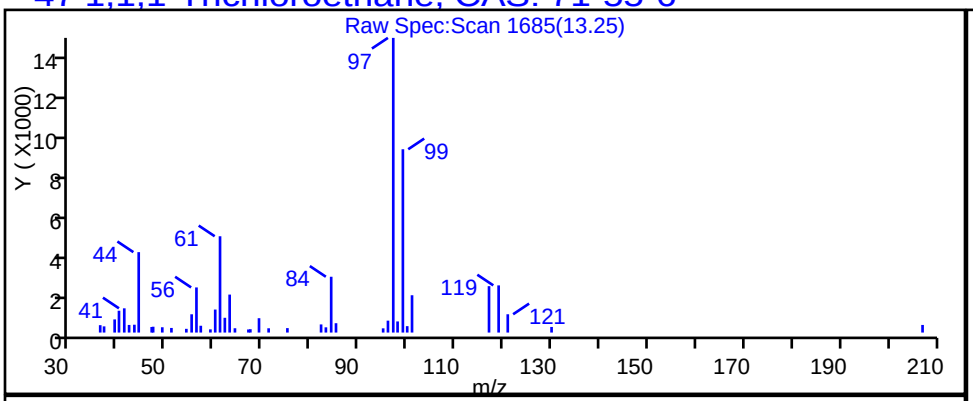


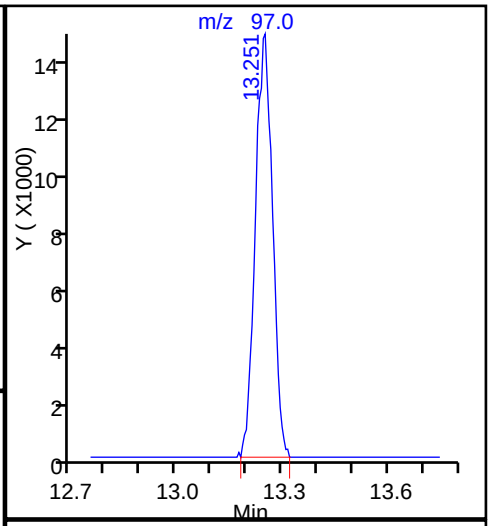


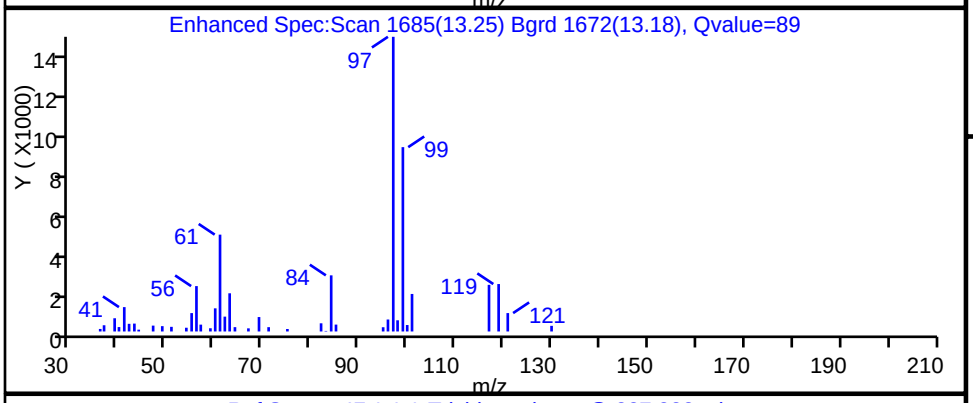
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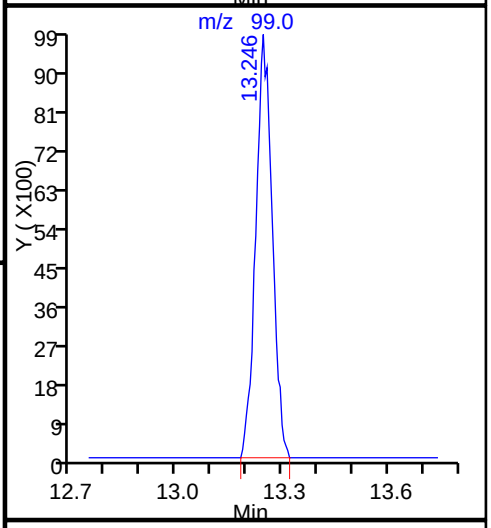
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Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

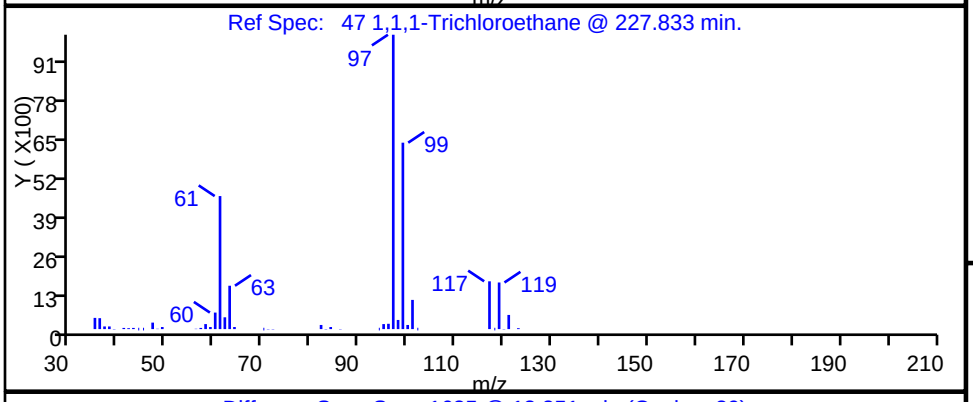
47 1,1,1-Trichloroethane, CAS: 71-55-6

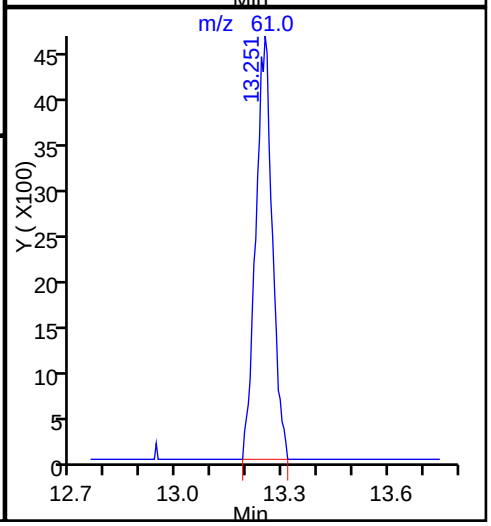


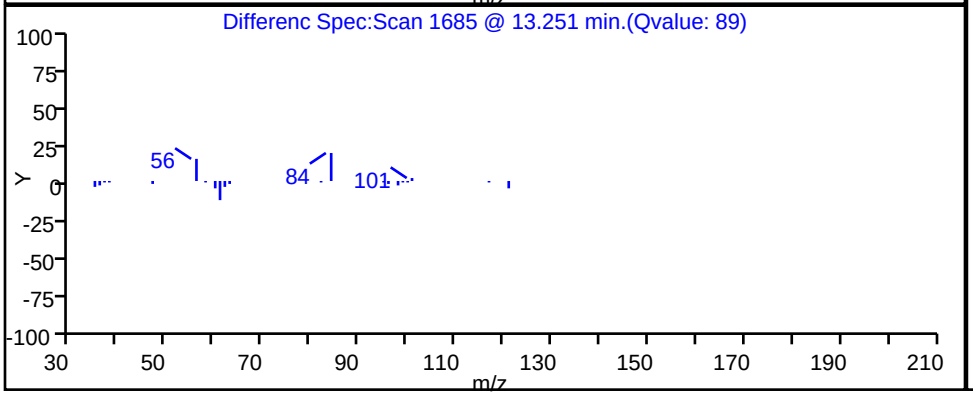












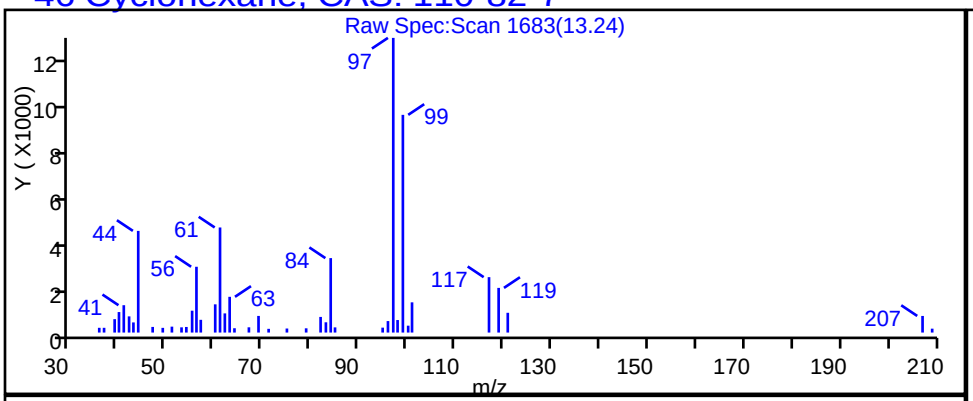
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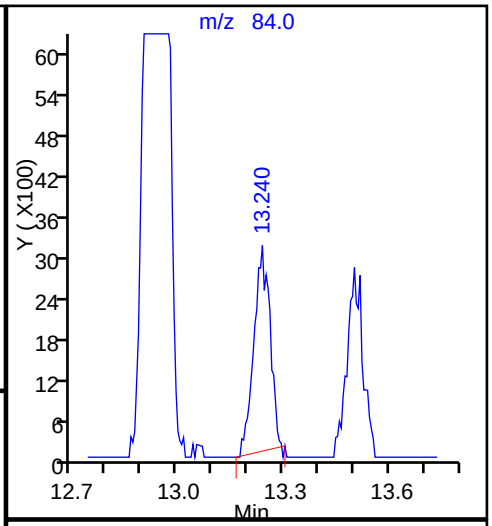
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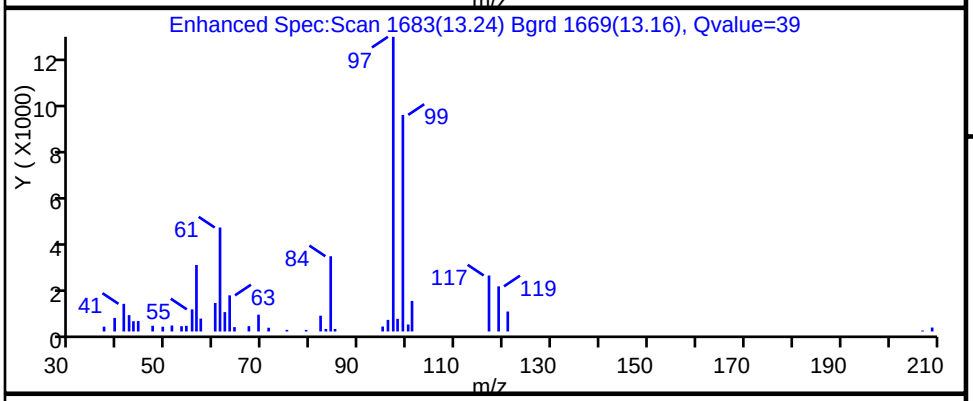
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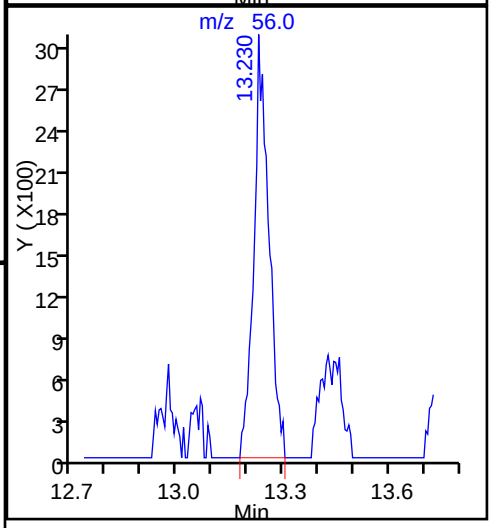
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Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

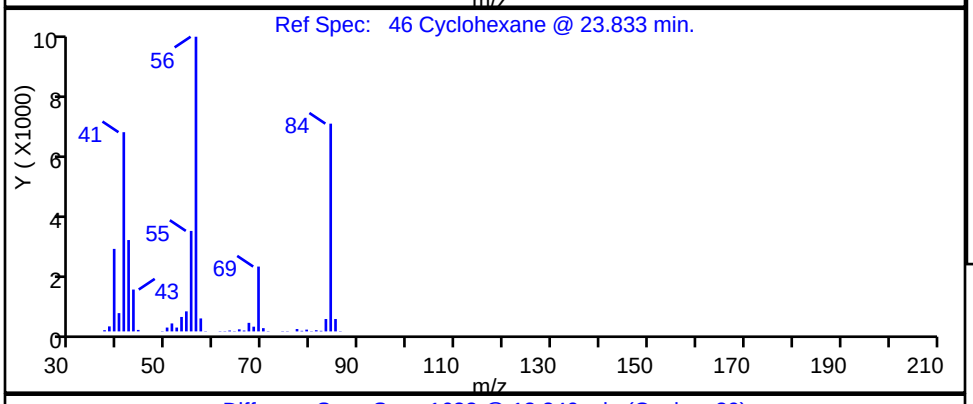
46 Cyclohexane, CAS: 110-82-7

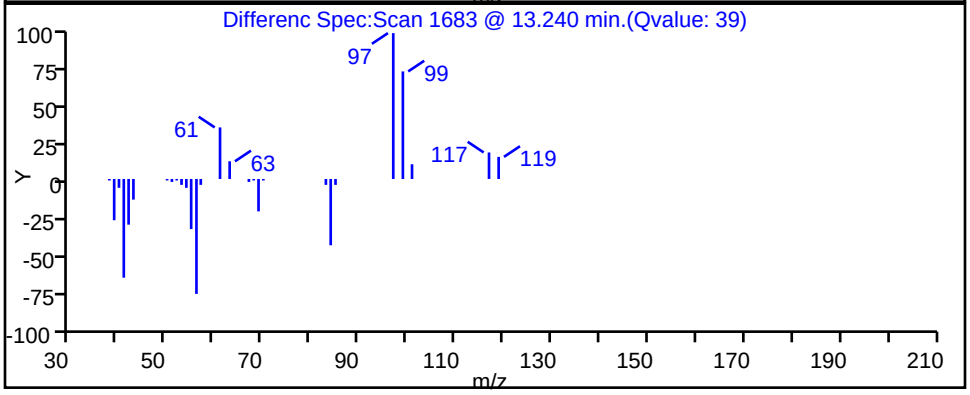








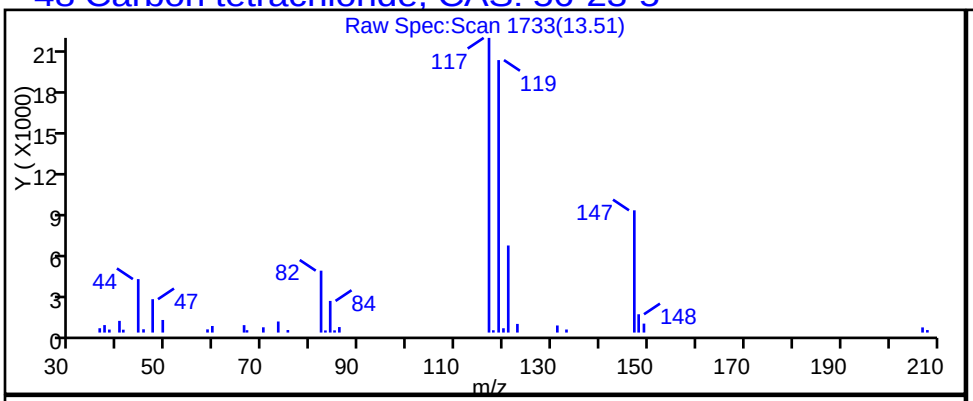


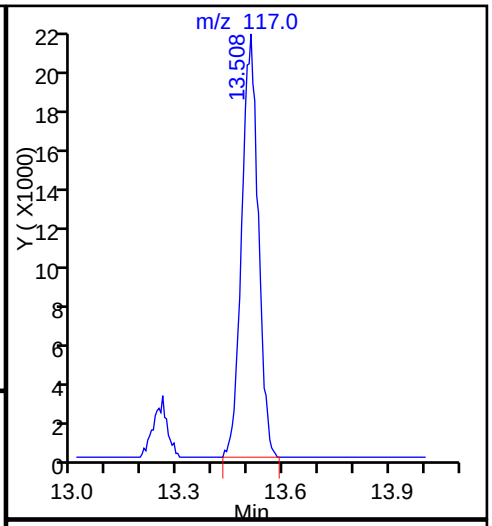


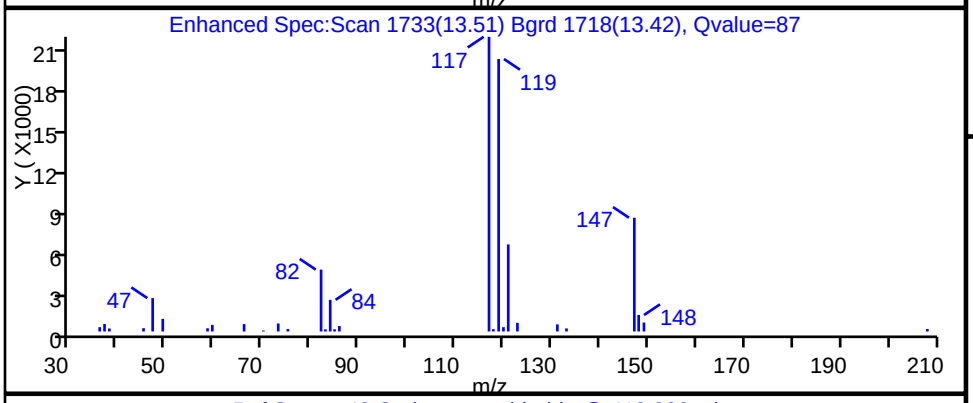
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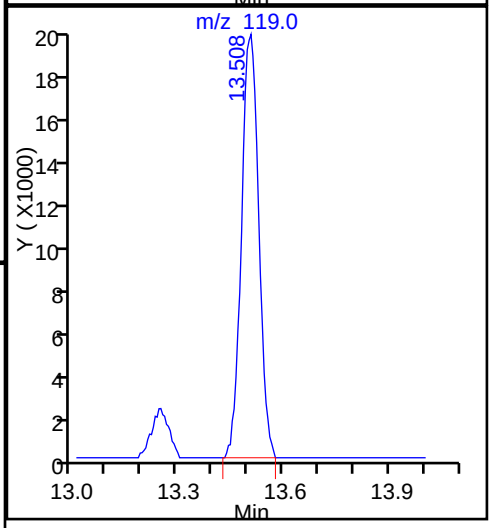
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Injection Date:	31-Oct-2014 21:31:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

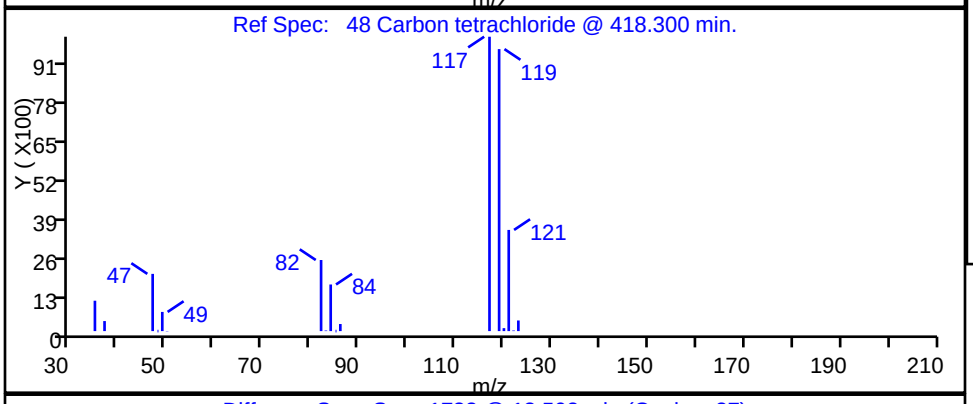
48 Carbon tetrachloride, CAS: 56-23-5

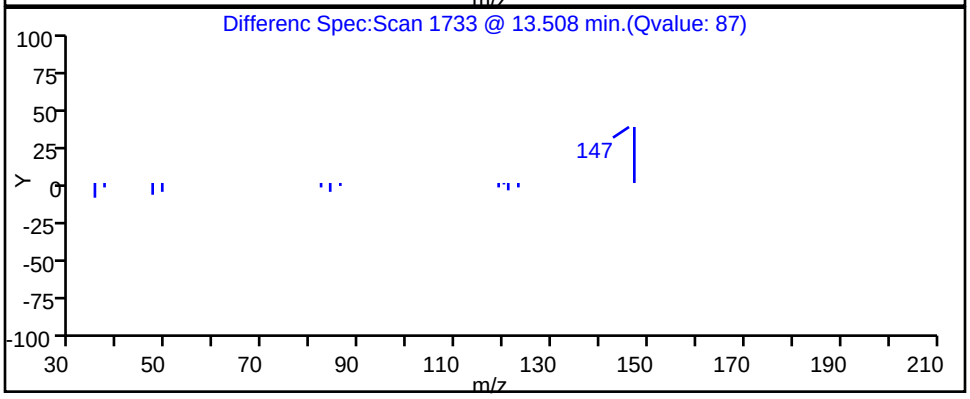












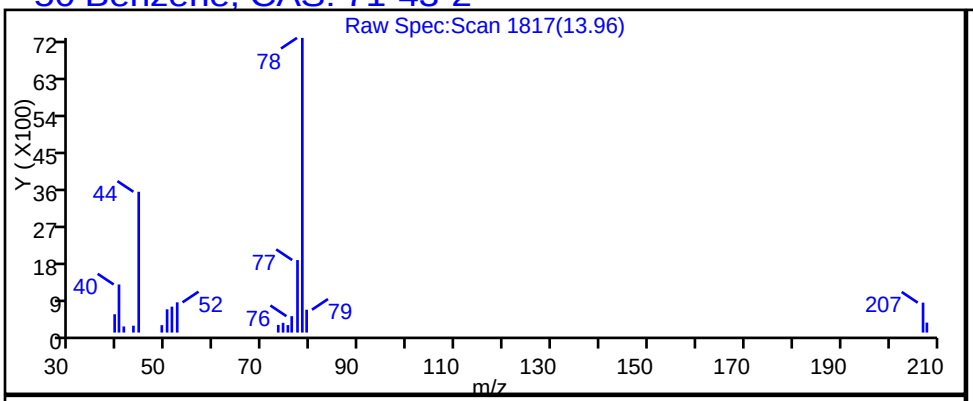
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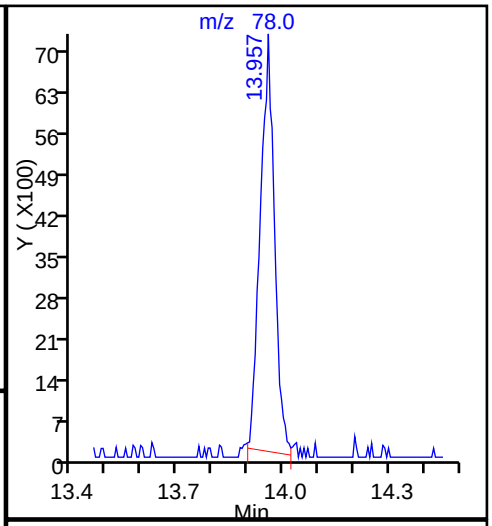
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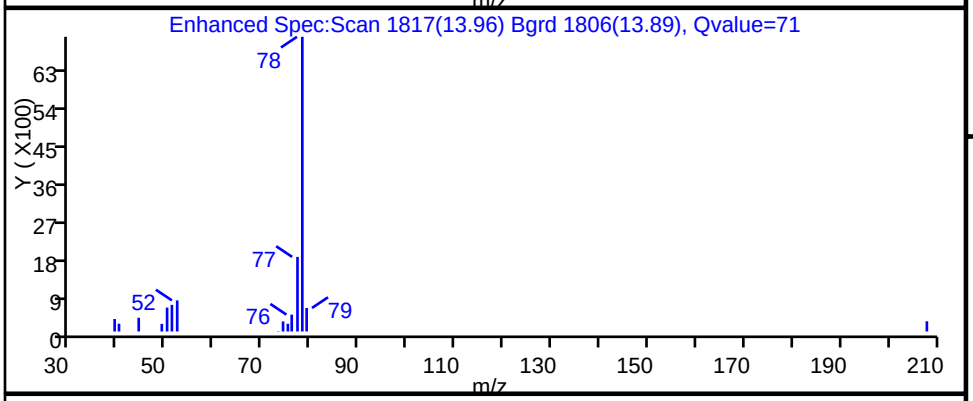
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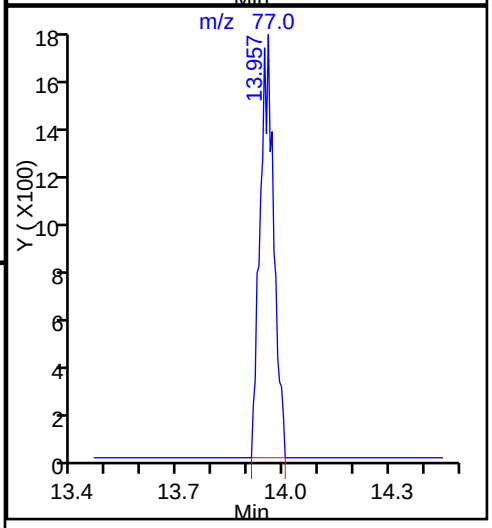
Injection Date:	31-Oct-2014 21:31:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

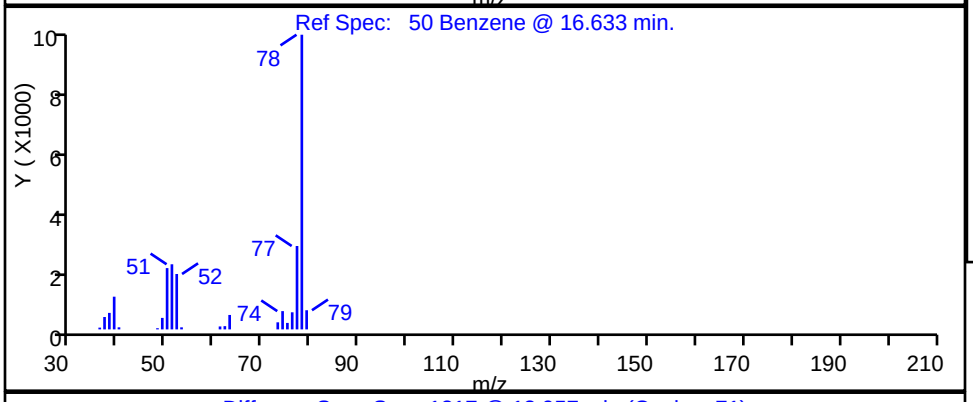
50 Benzene, CAS: 71-43-2

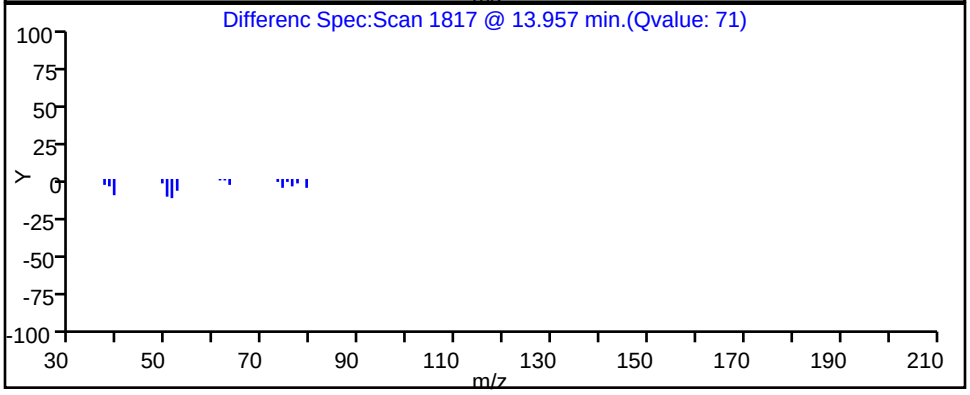










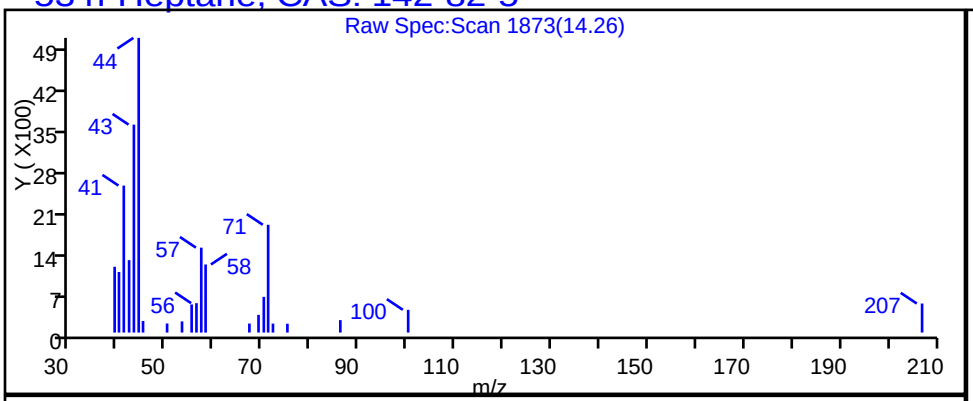


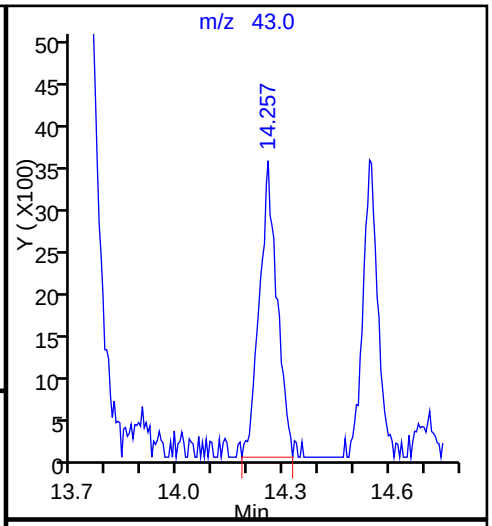
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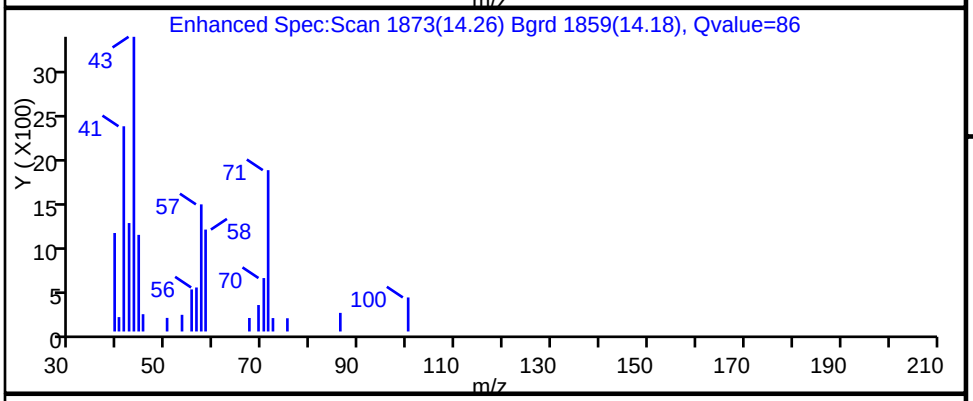
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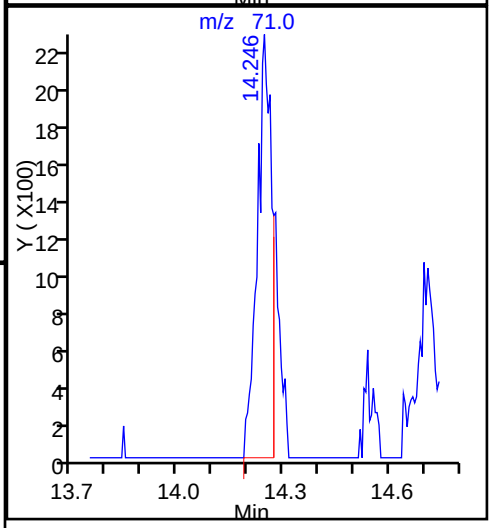
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Injection Date:	31-Oct-2014 21:31:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

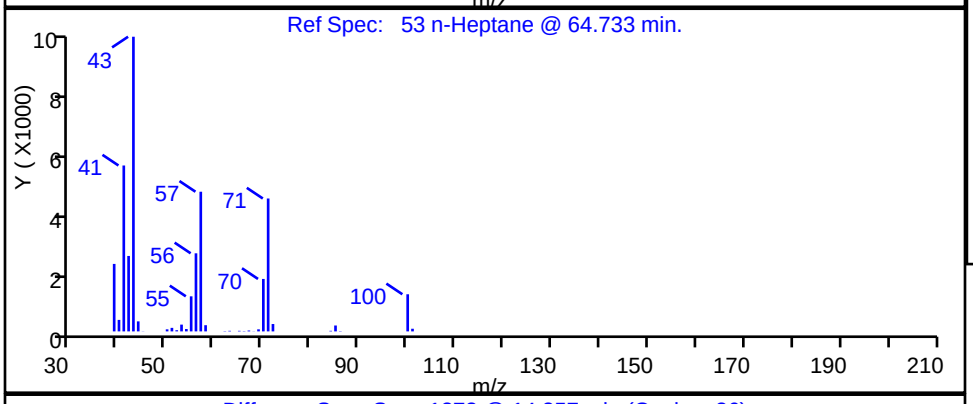
53 n-Heptane, CAS: 142-82-5

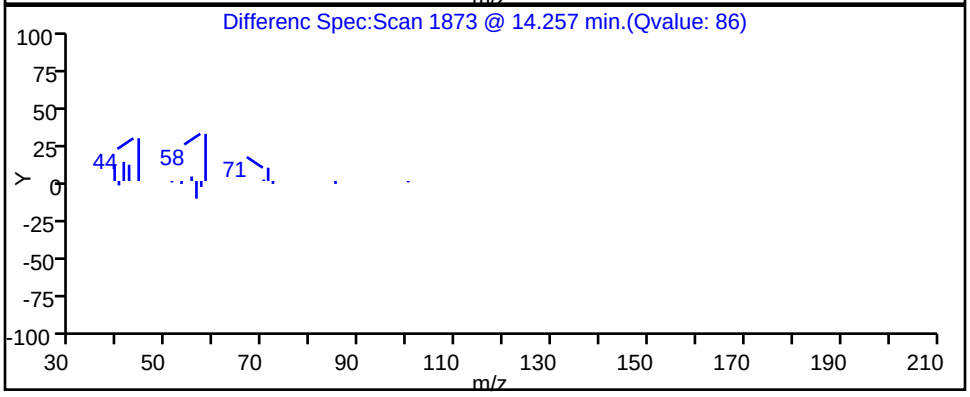












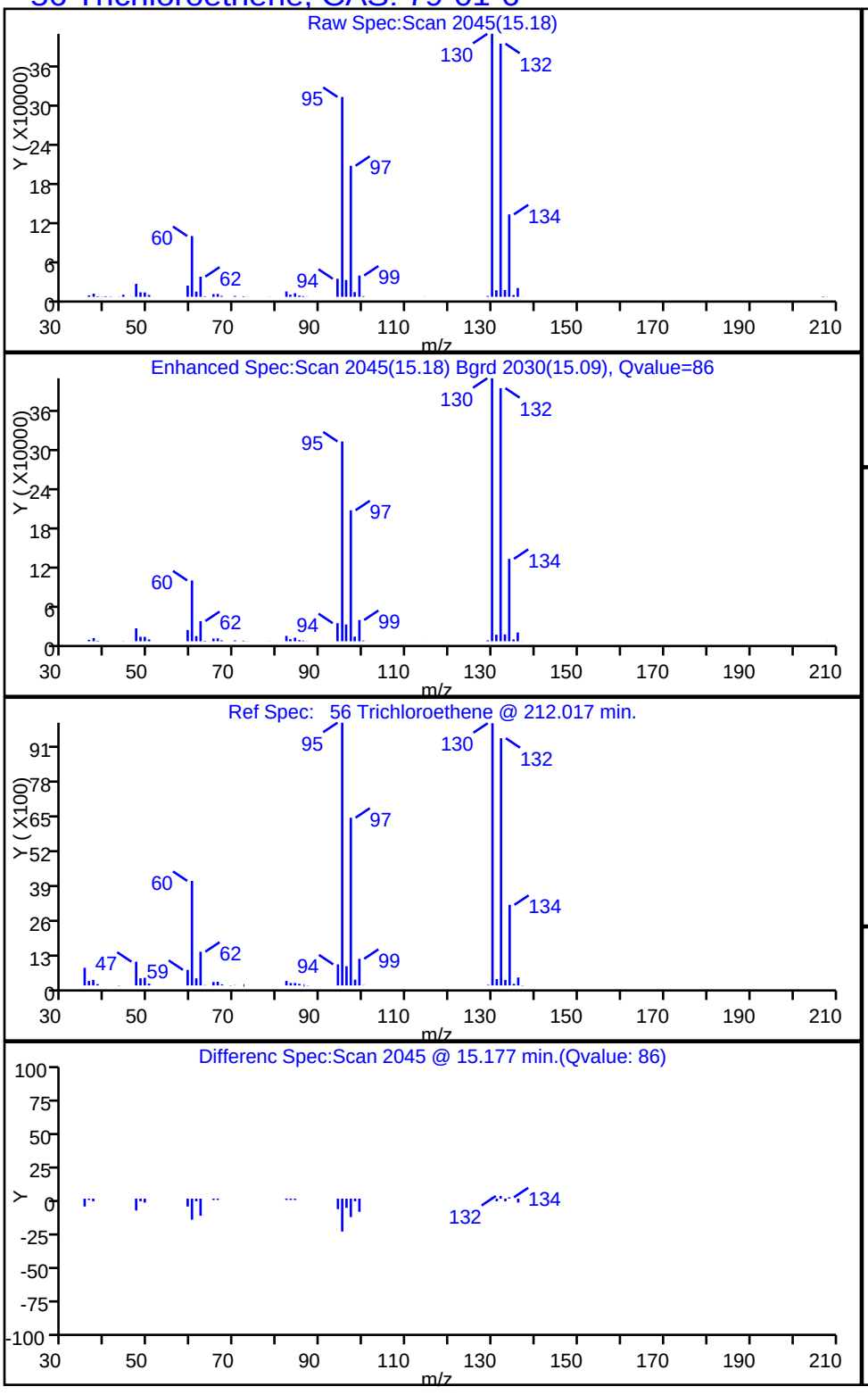
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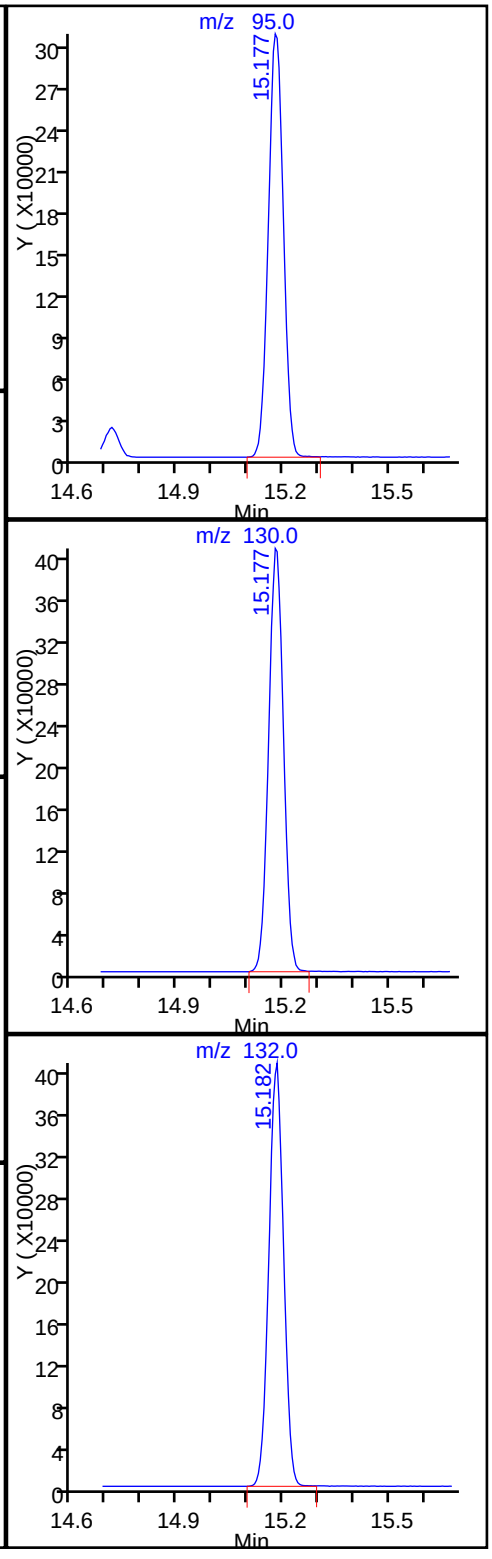
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Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6





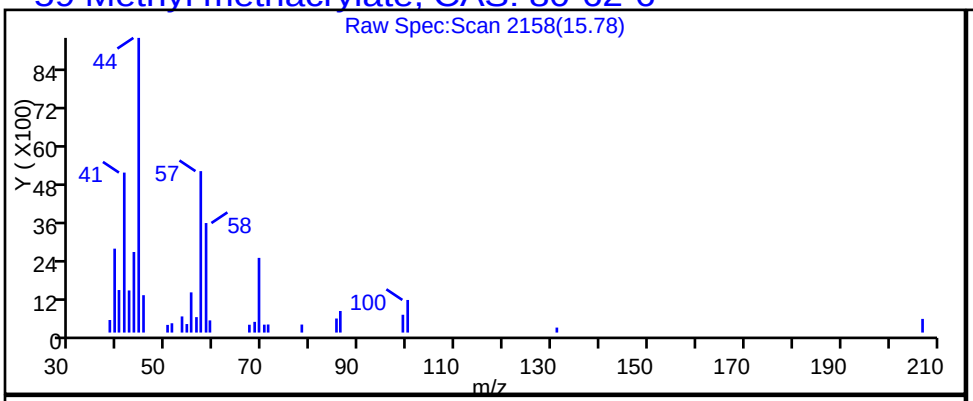
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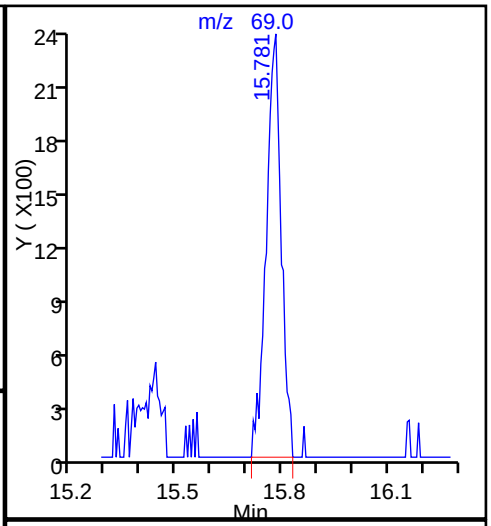
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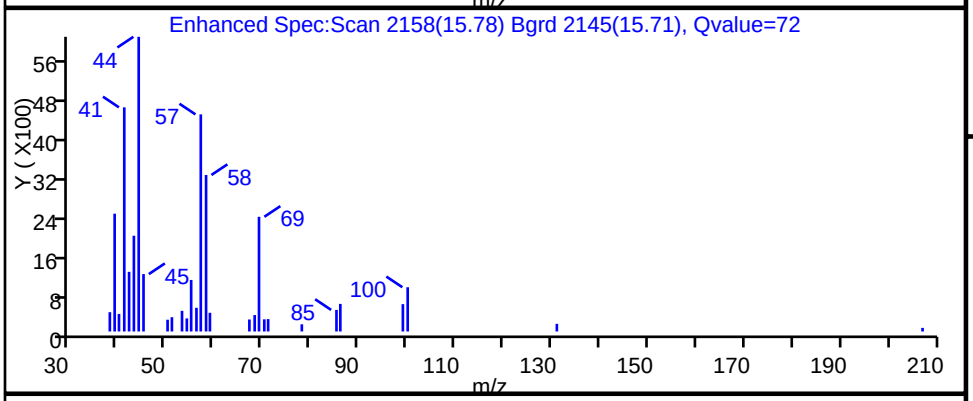
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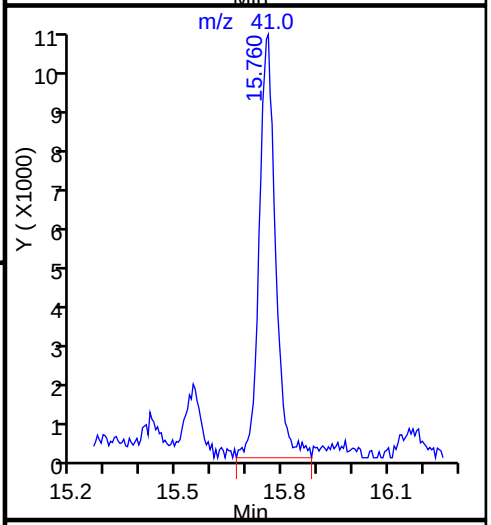
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Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
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Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

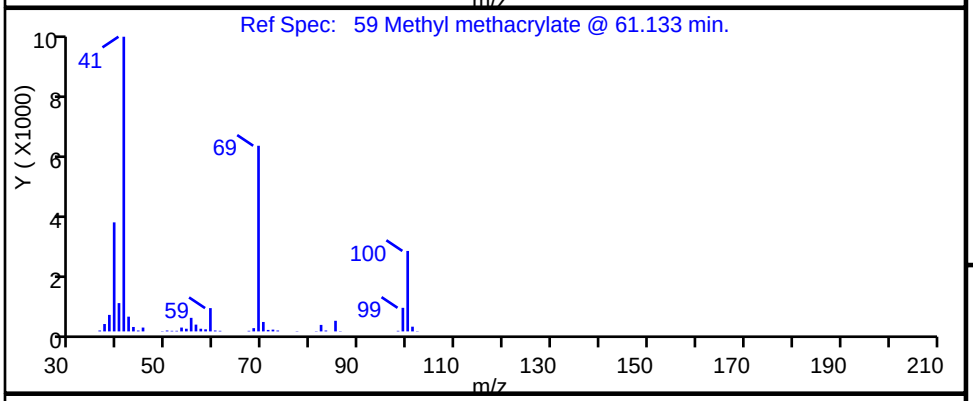
59 Methyl methacrylate, CAS: 80-62-6

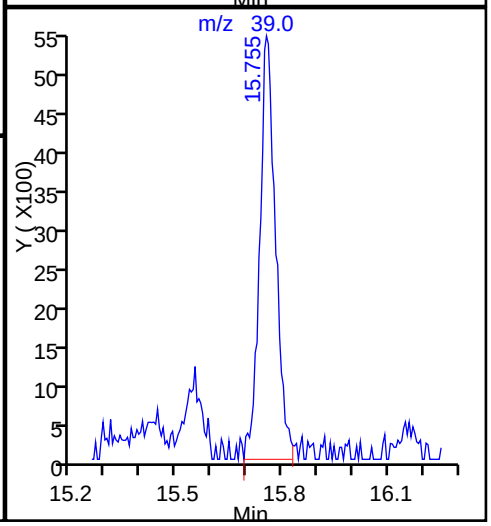


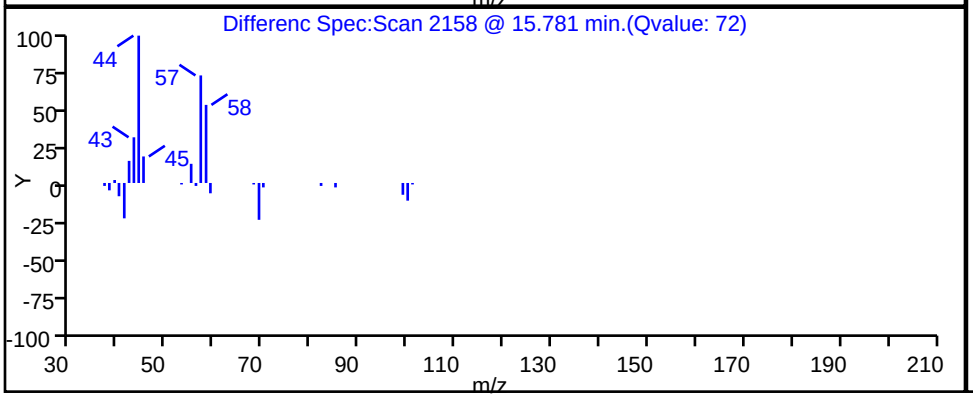












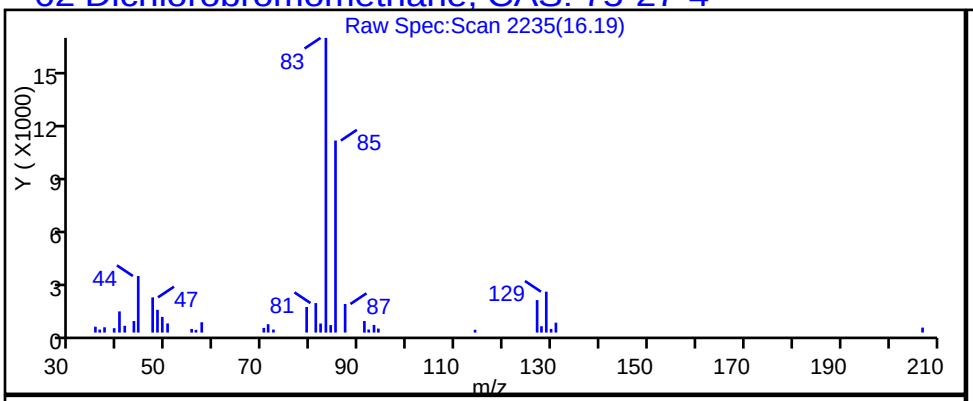
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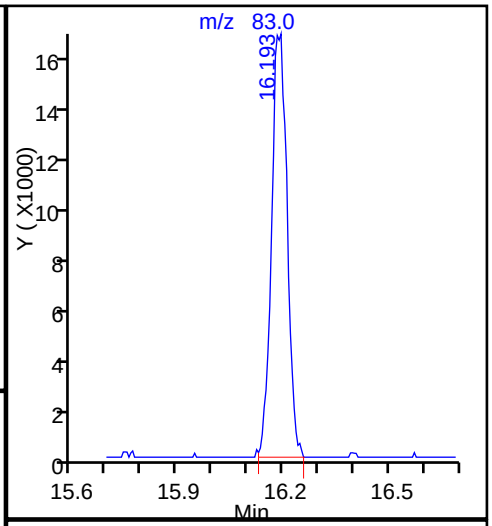
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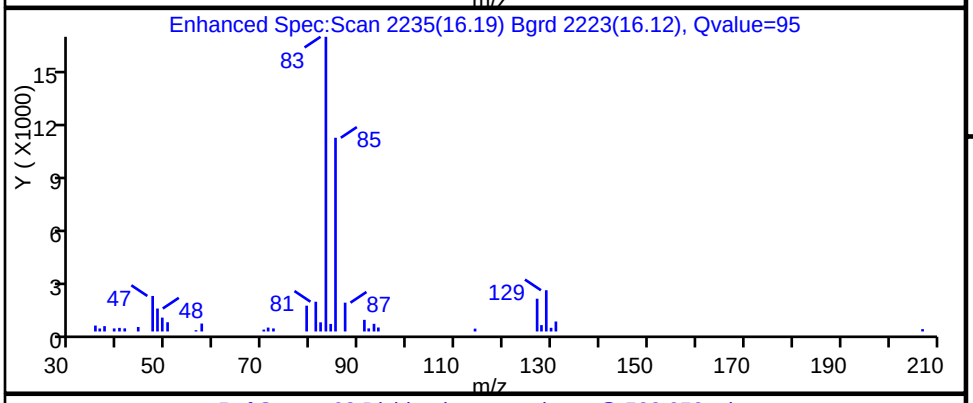
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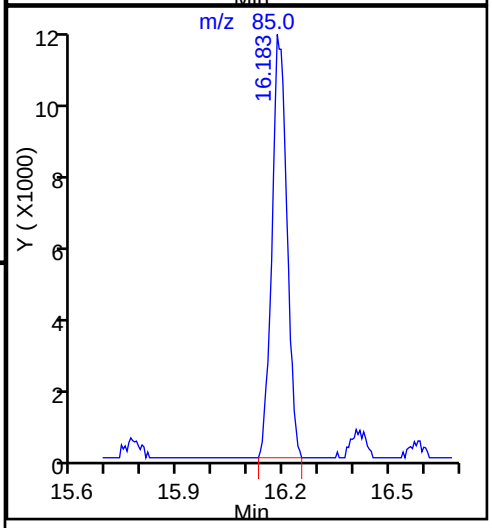
Injection Date:	31-Oct-2014 21:31:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

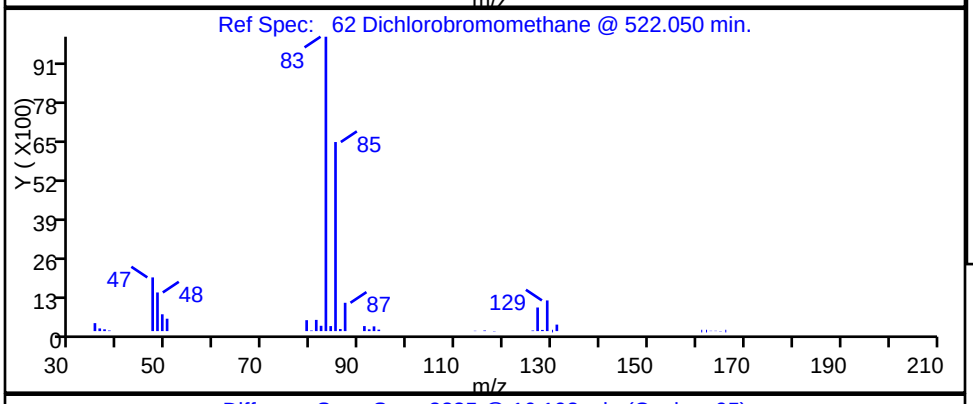
62 Dichlorobromomethane, CAS: 75-27-4

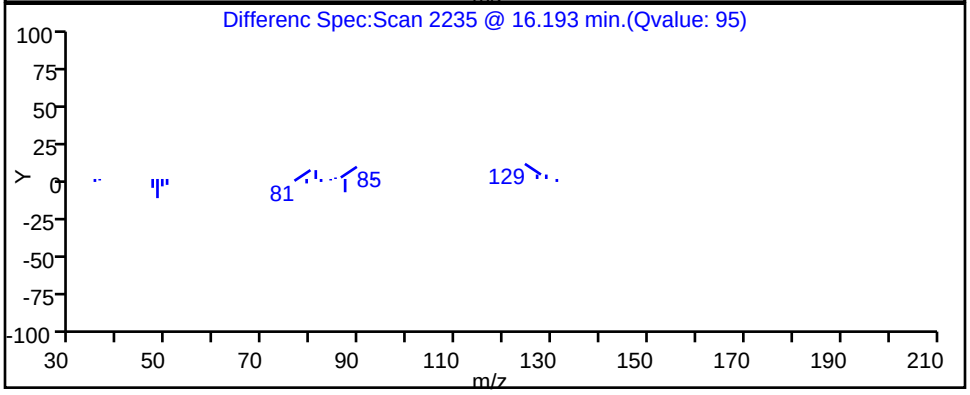












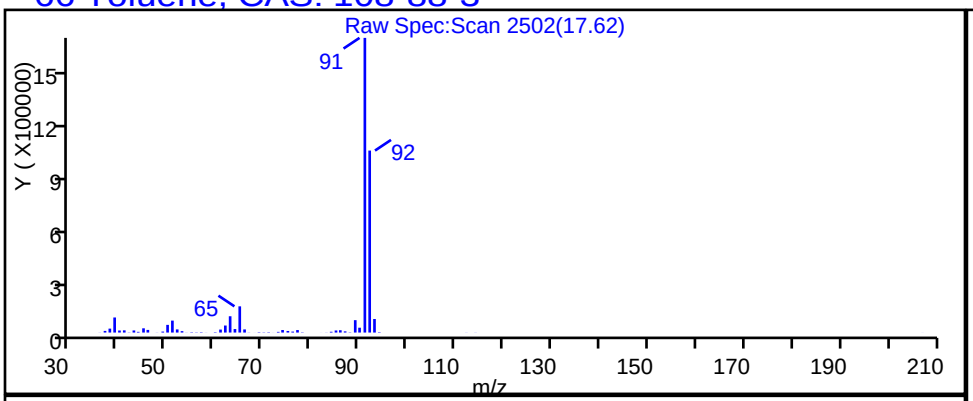
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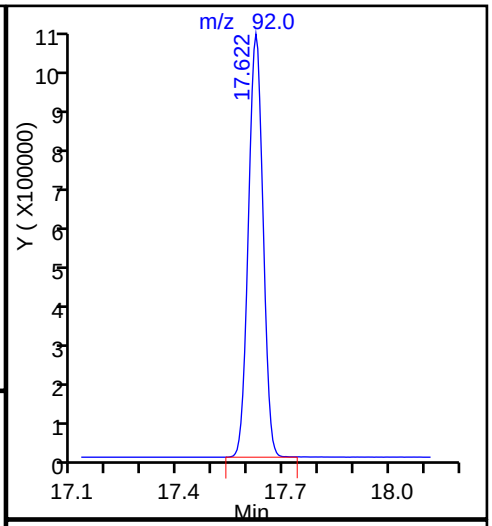
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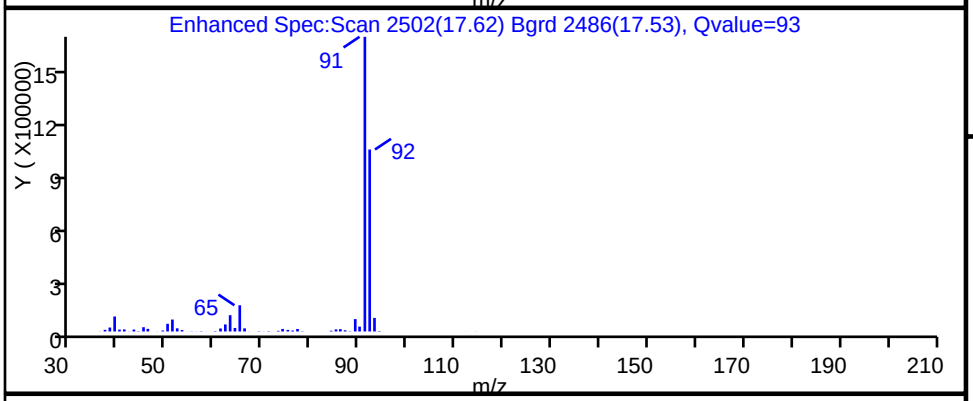
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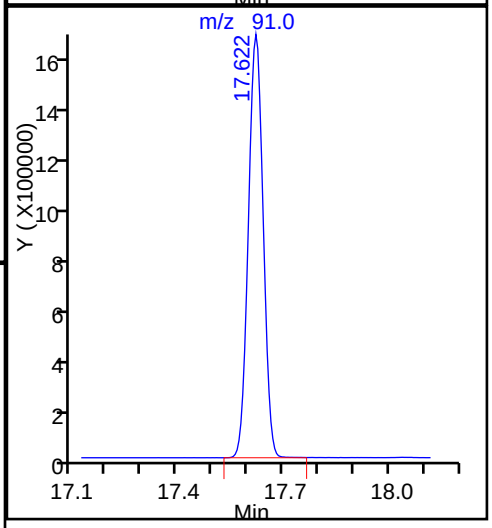
Injection Date:	31-Oct-2014 21:31:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

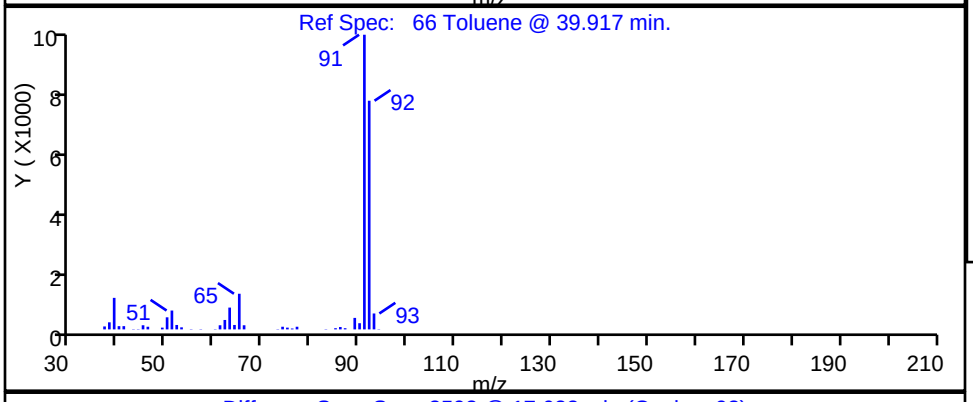
66 Toluene, CAS: 108-88-3

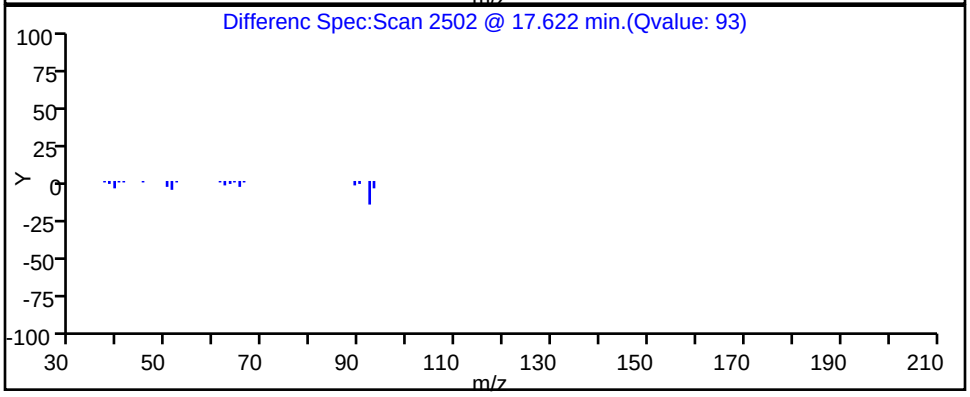








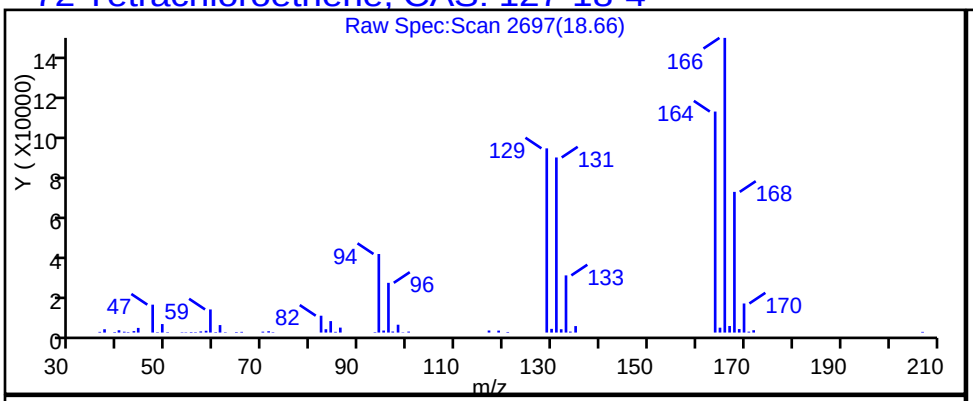


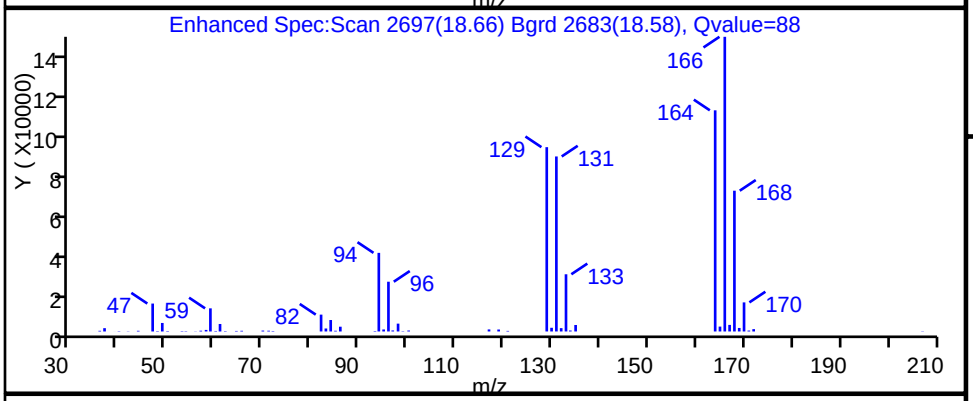


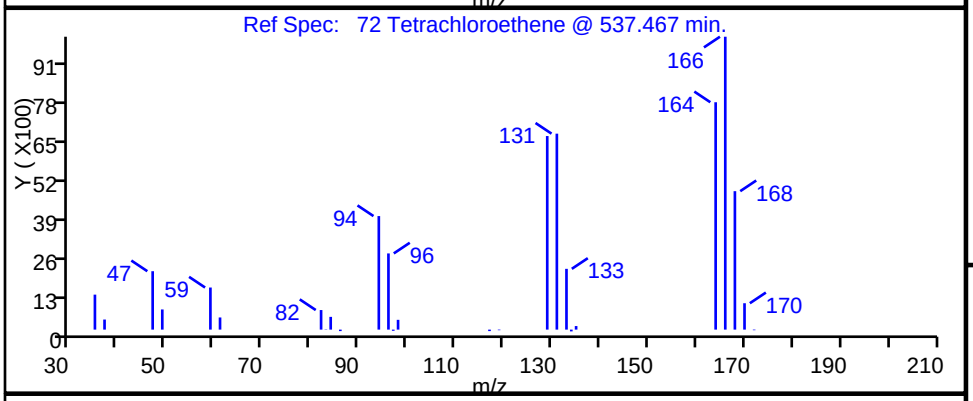
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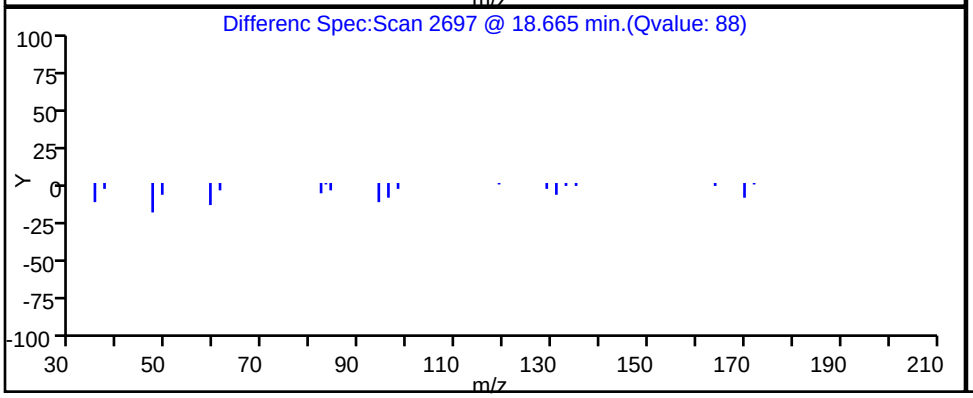
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Injection Date:	31-Oct-2014 21:31:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

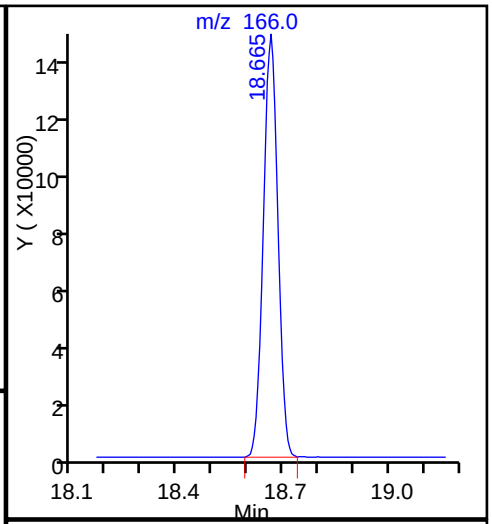
72 Tetrachloroethene, CAS: 127-18-4

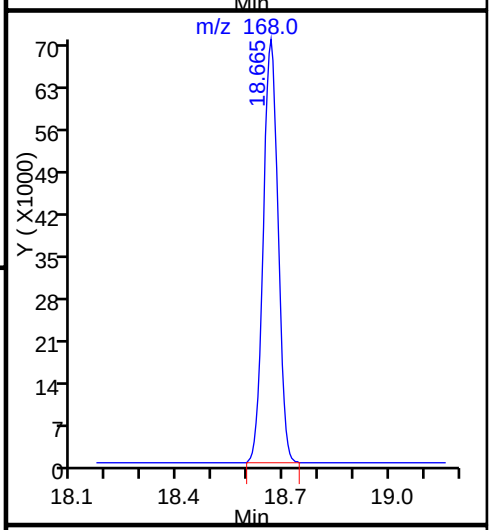


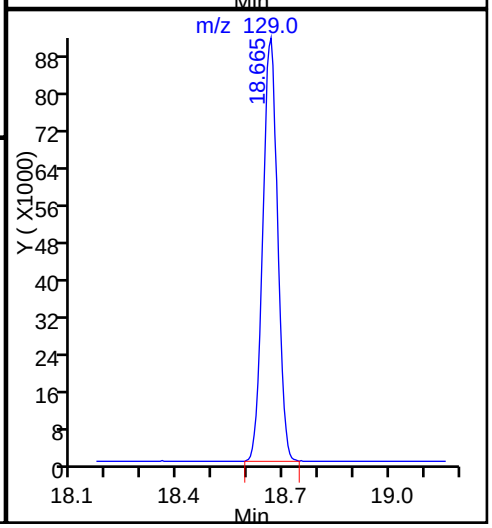








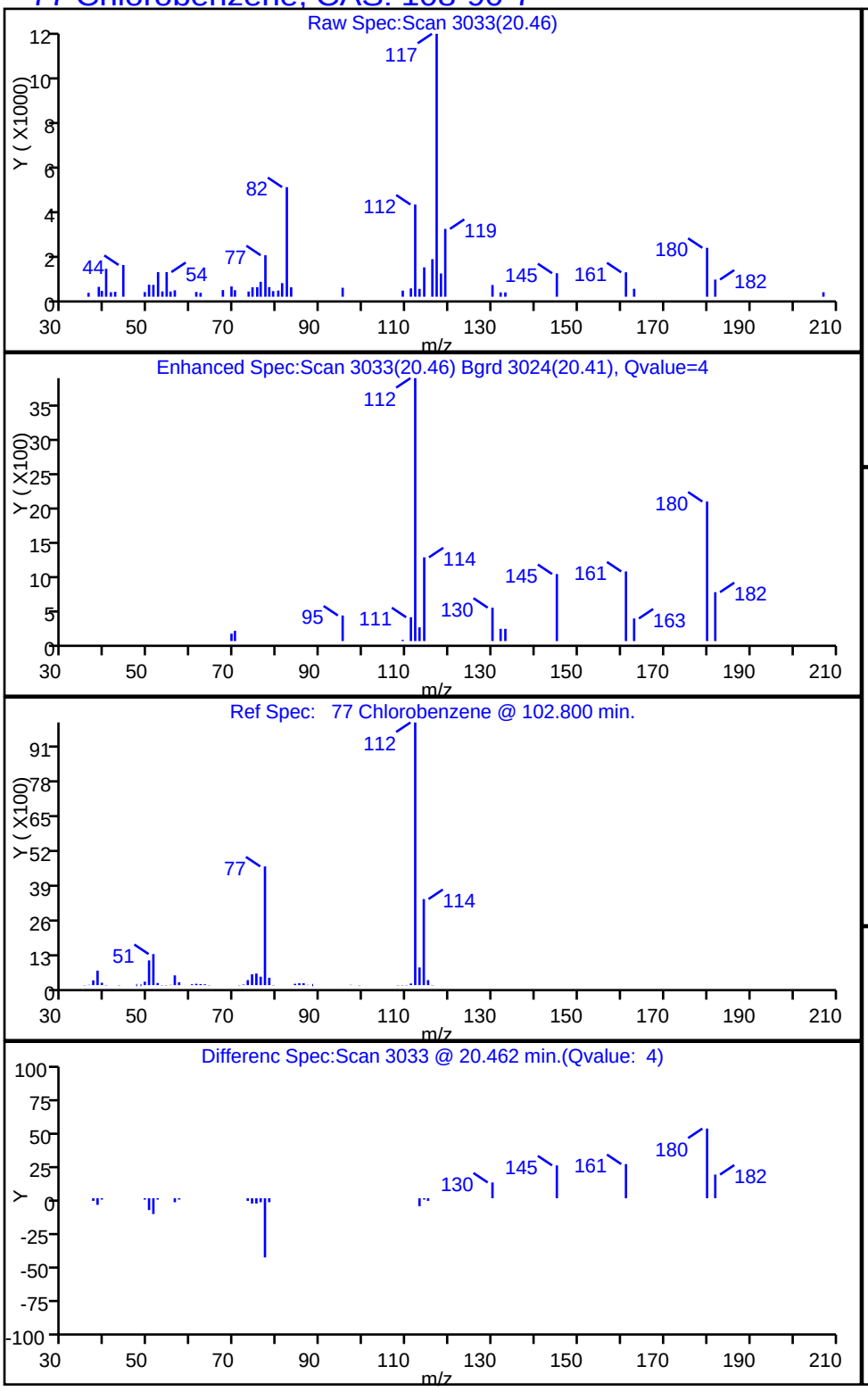


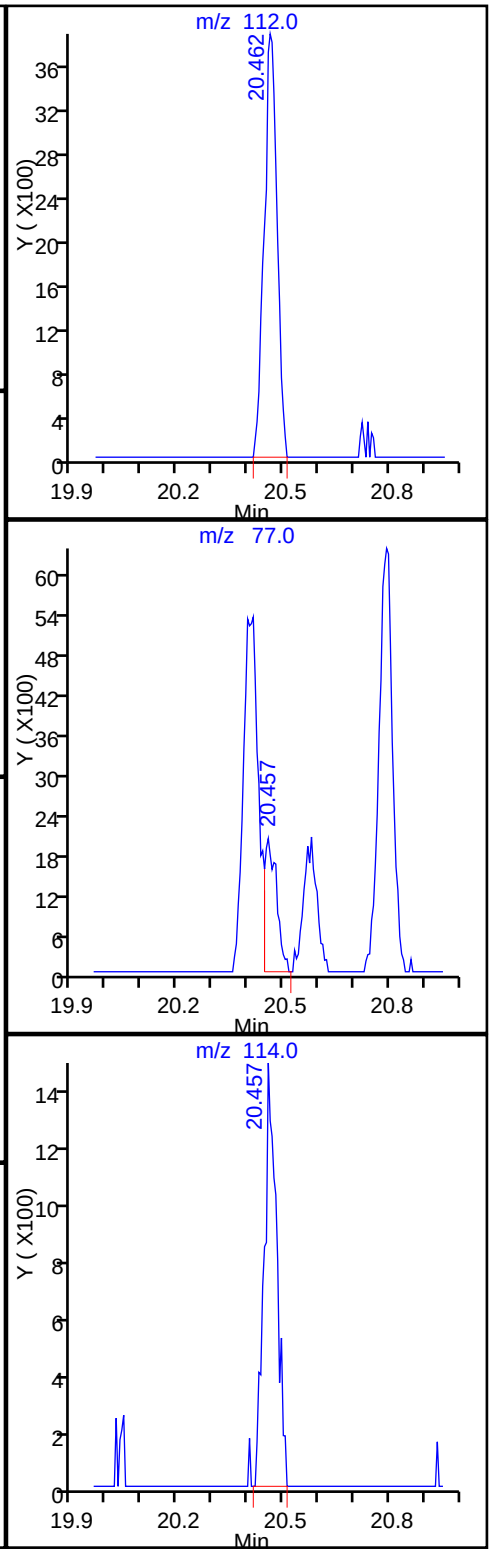


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Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

77 Chlorobenzene, CAS: 108-90-7





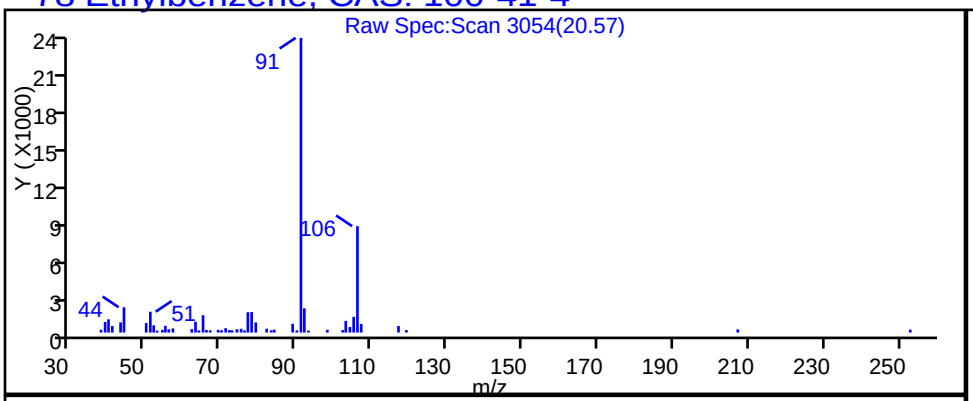
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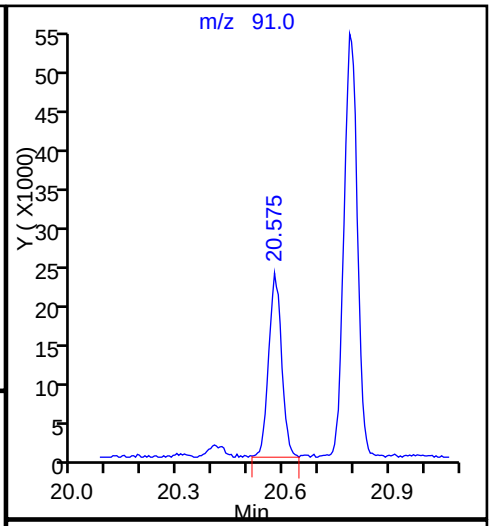
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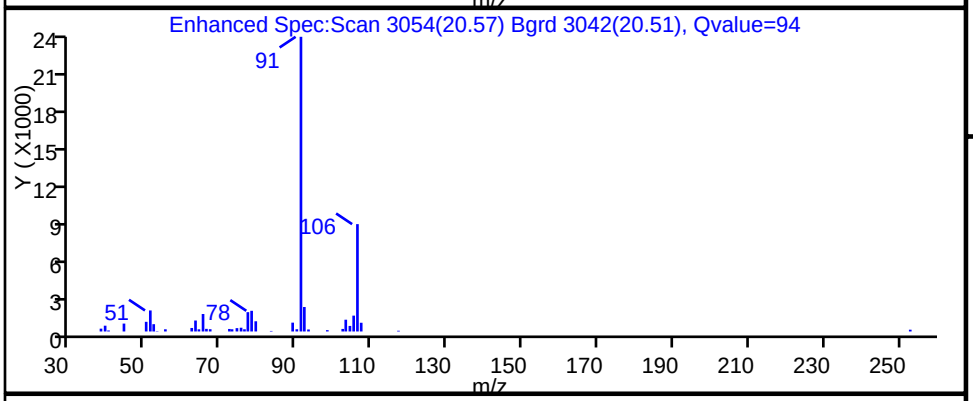
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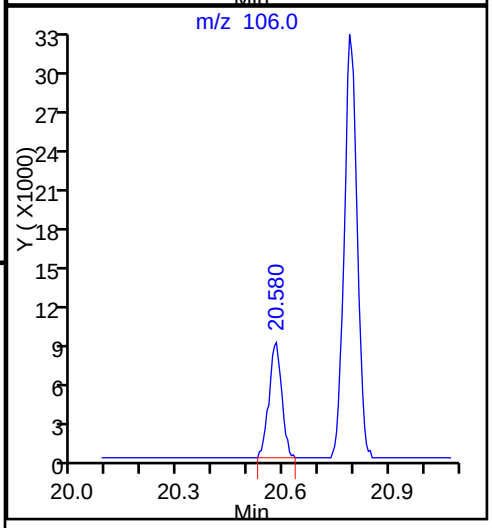
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Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

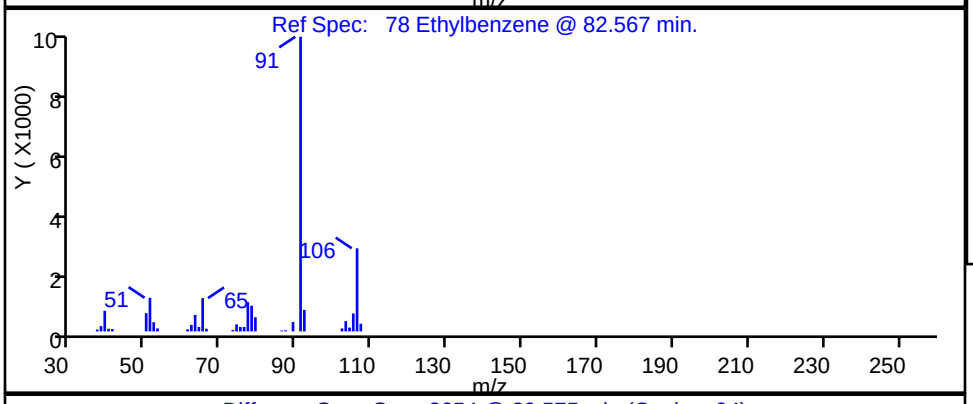
78 Ethylbenzene, CAS: 100-41-4

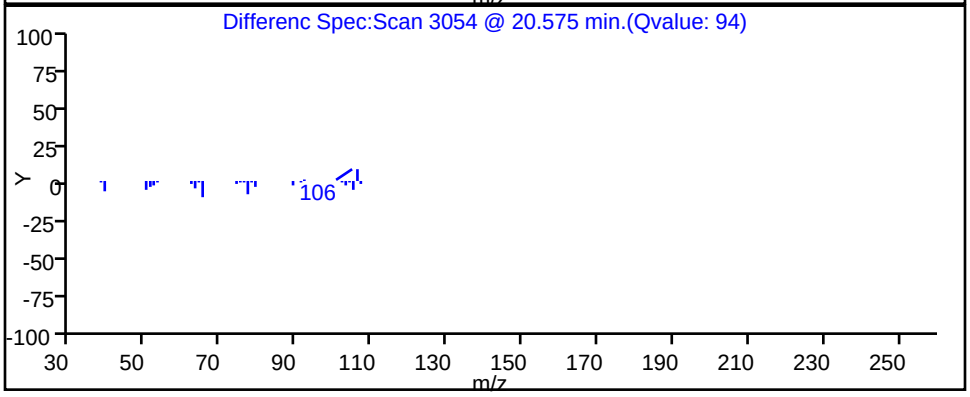












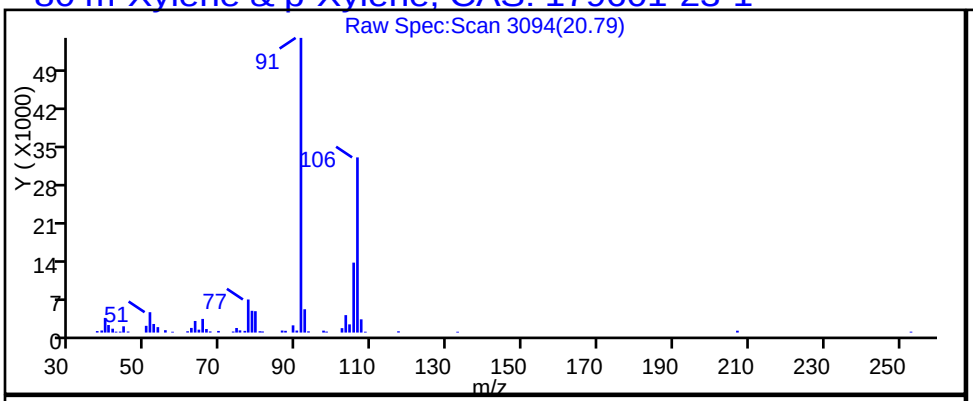
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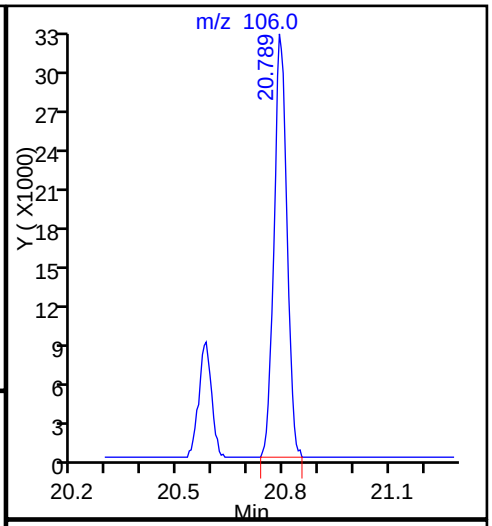
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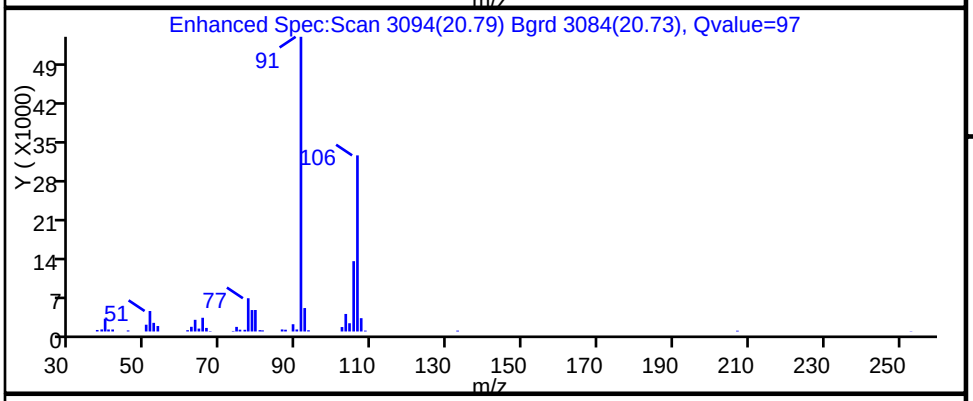
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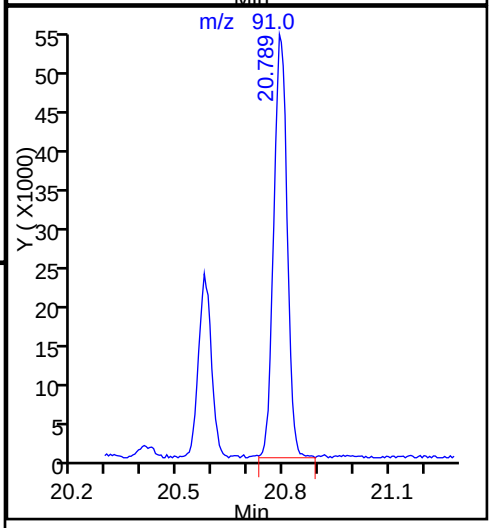
Injection Date:	31-Oct-2014 21:31:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

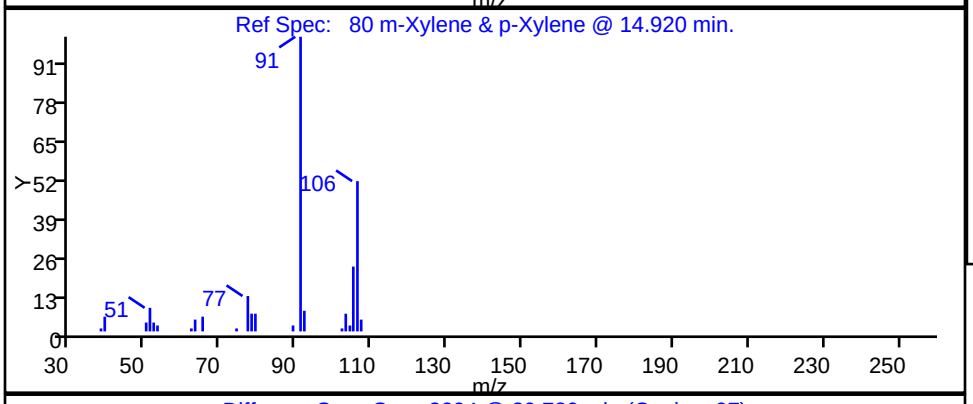
80 m-Xylene & p-Xylene, CAS: 179601-23-1

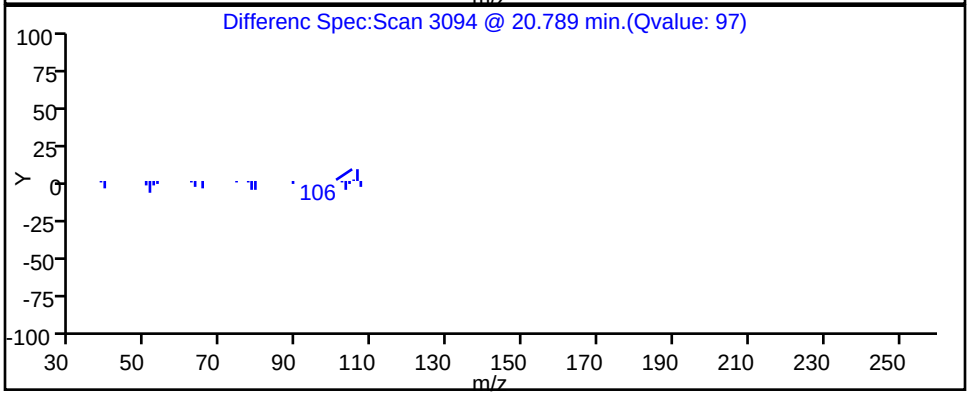












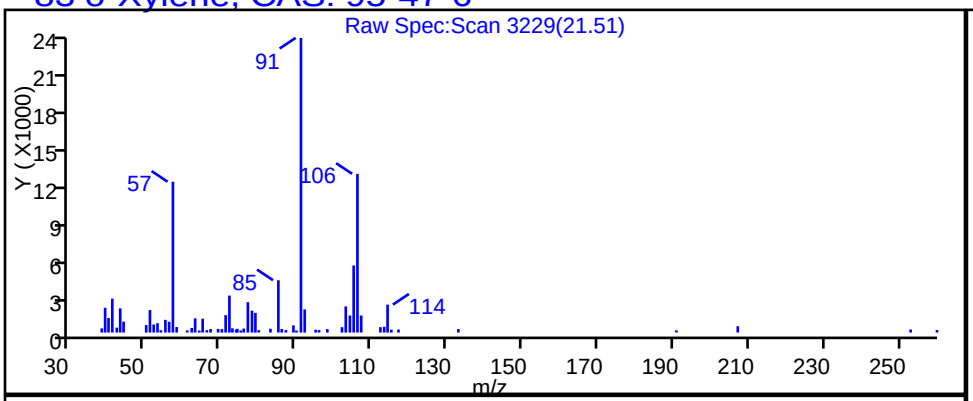
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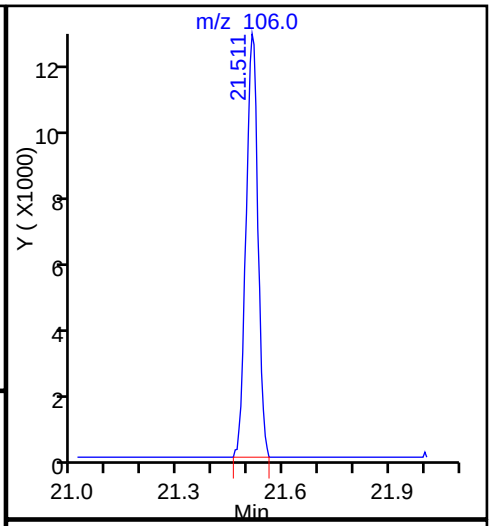
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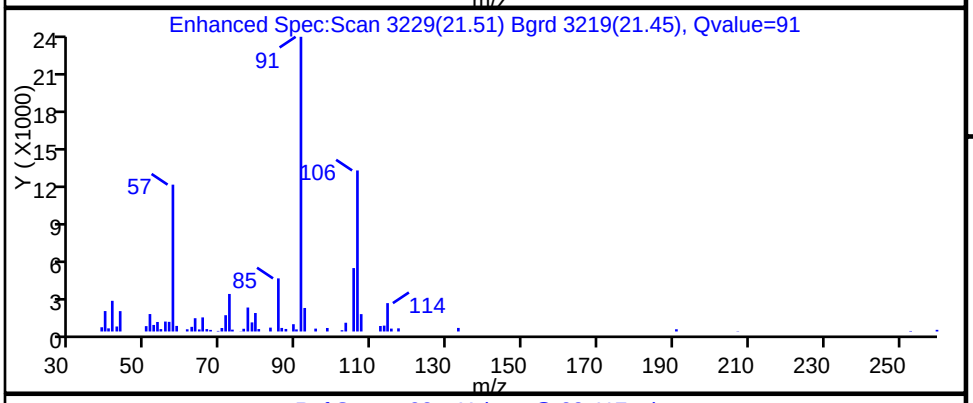
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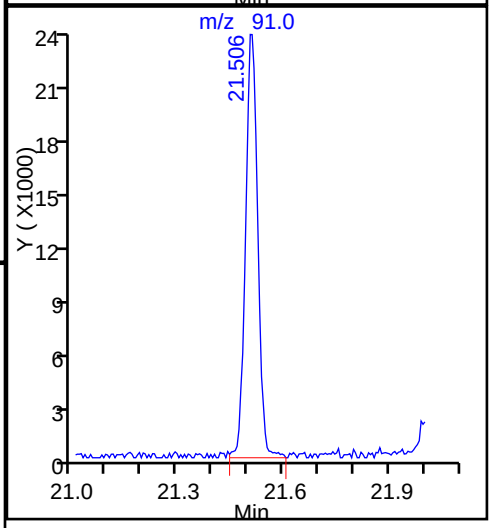
Injection Date:	31-Oct-2014 21:31:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

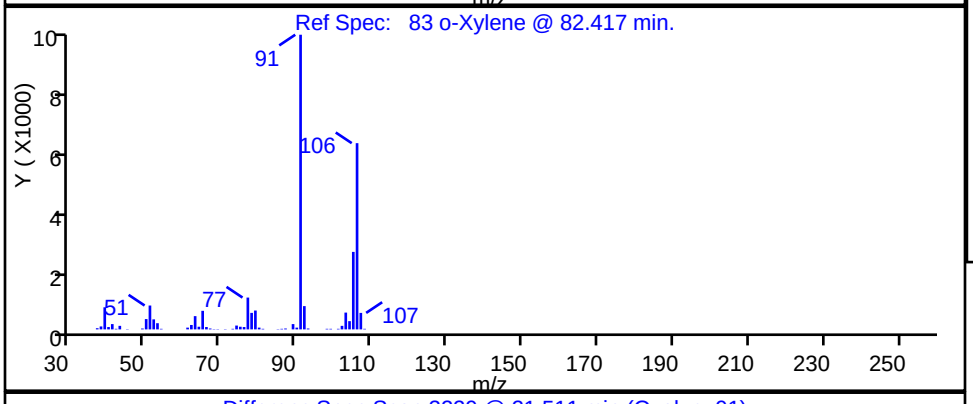
83 o-Xylene, CAS: 95-47-6

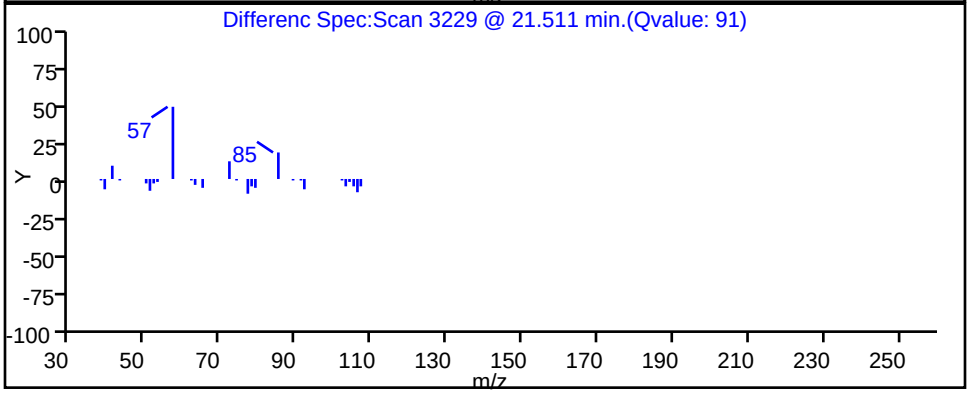












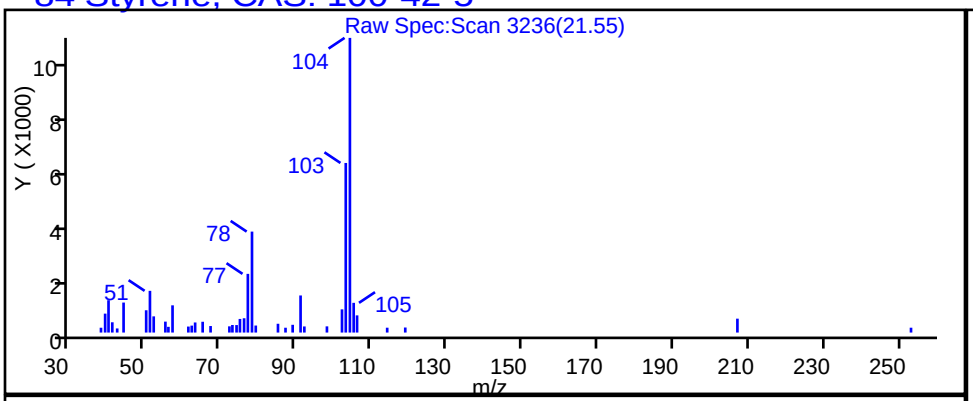
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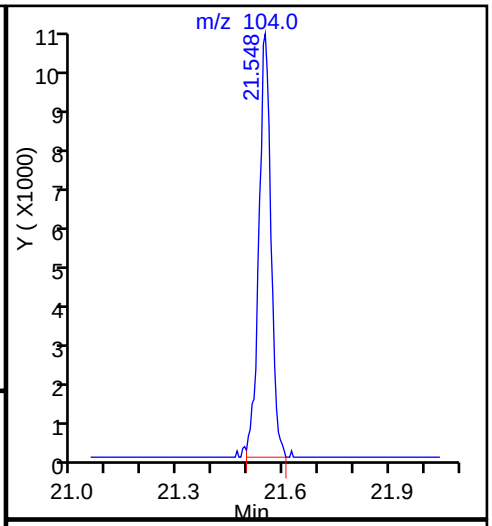
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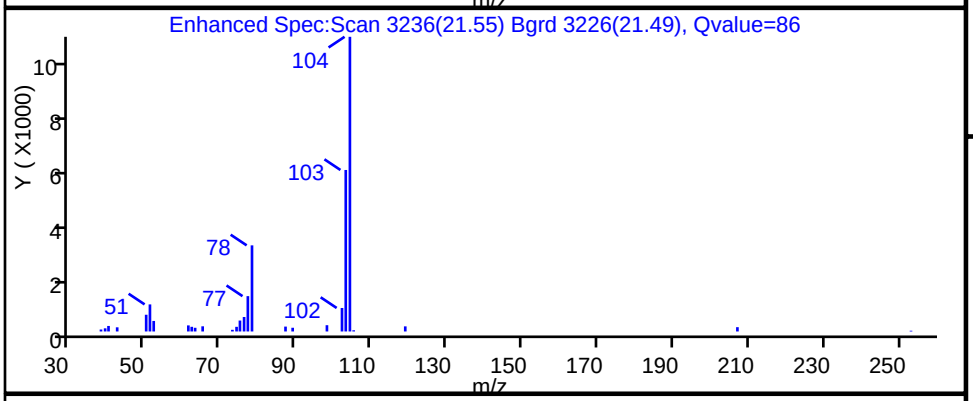
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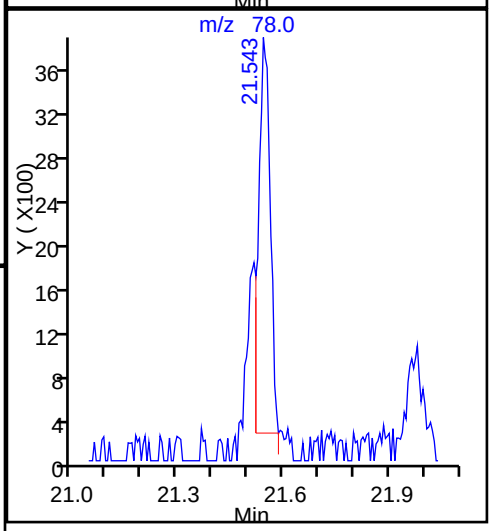
Injection Date:	31-Oct-2014 21:31:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

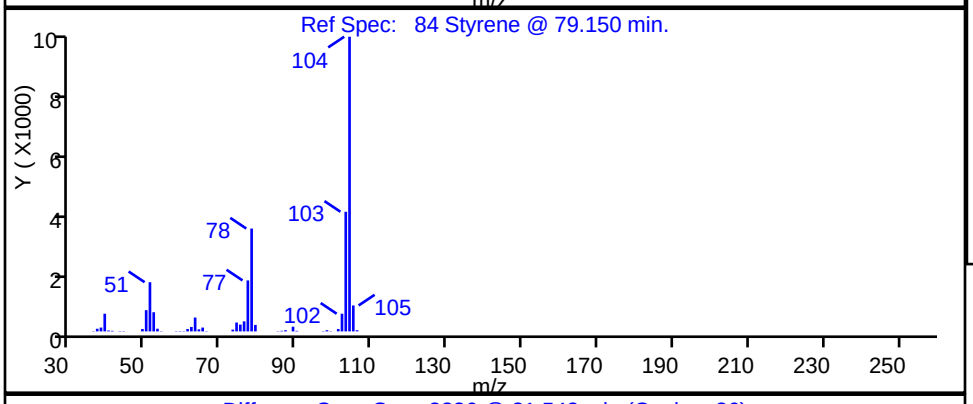
84 Styrene, CAS: 100-42-5

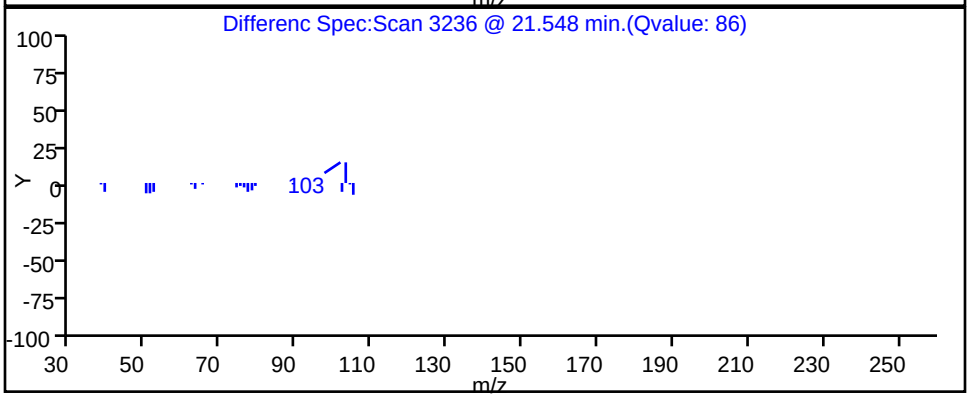








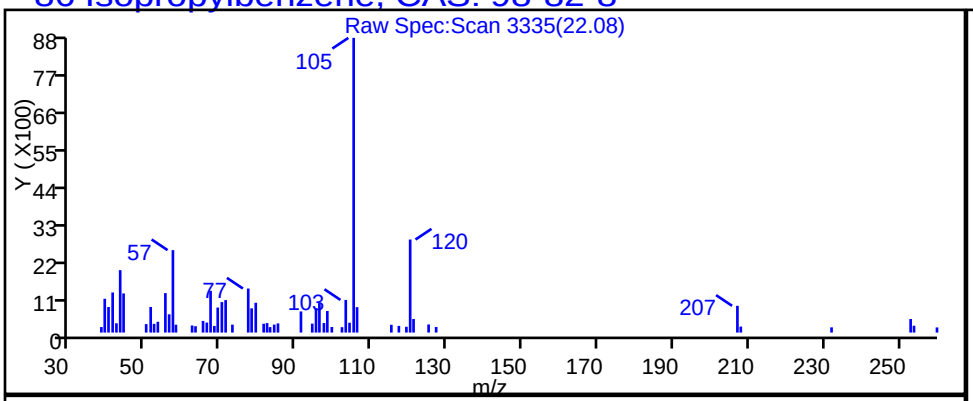


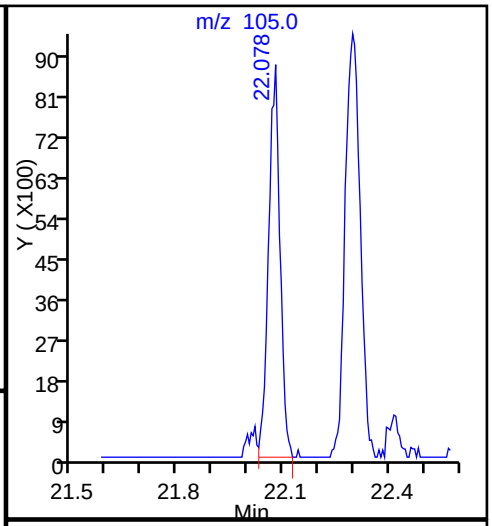


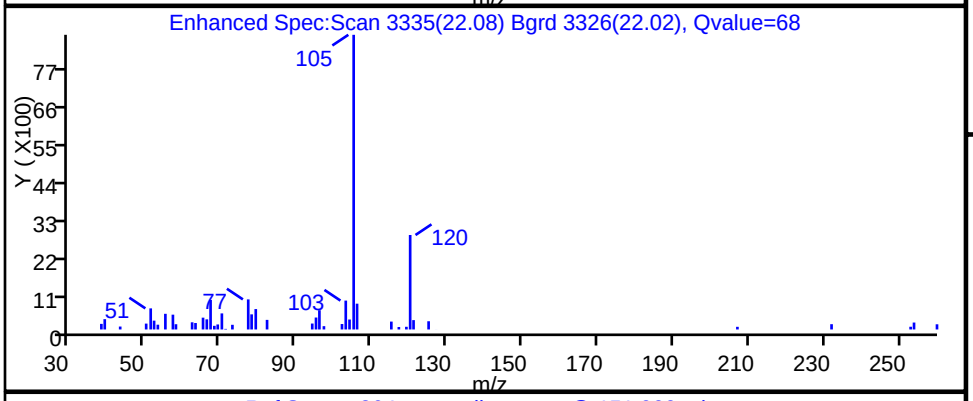
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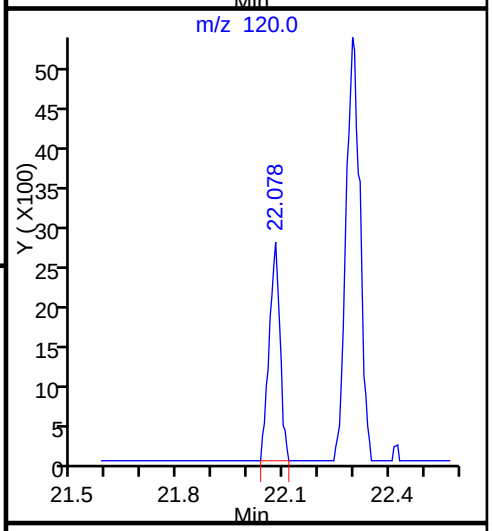
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Injection Date:	31-Oct-2014 21:31:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

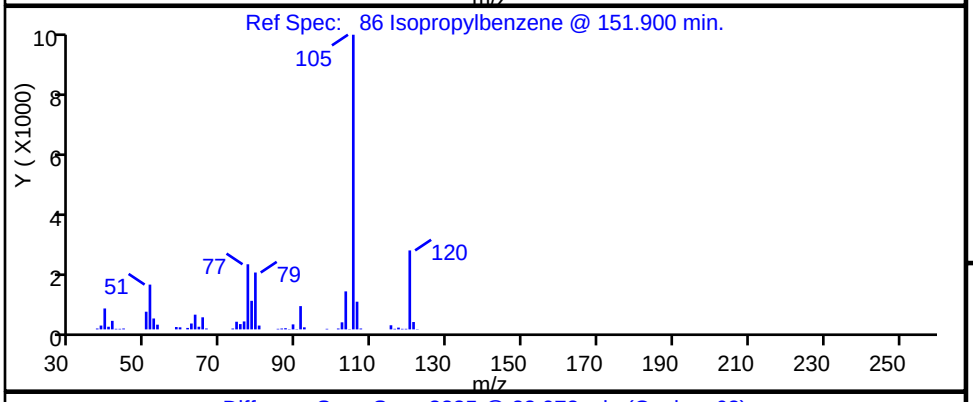
86 Isopropylbenzene, CAS: 98-82-8

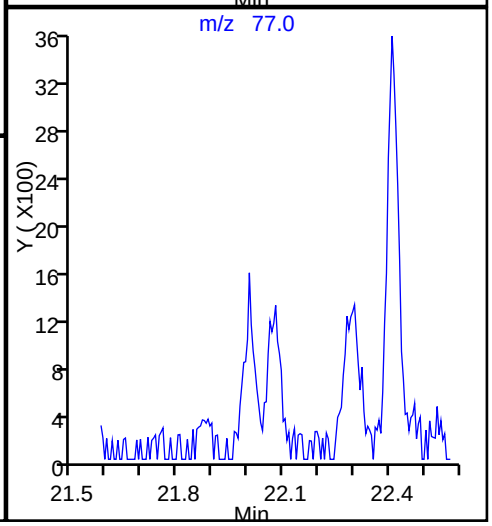


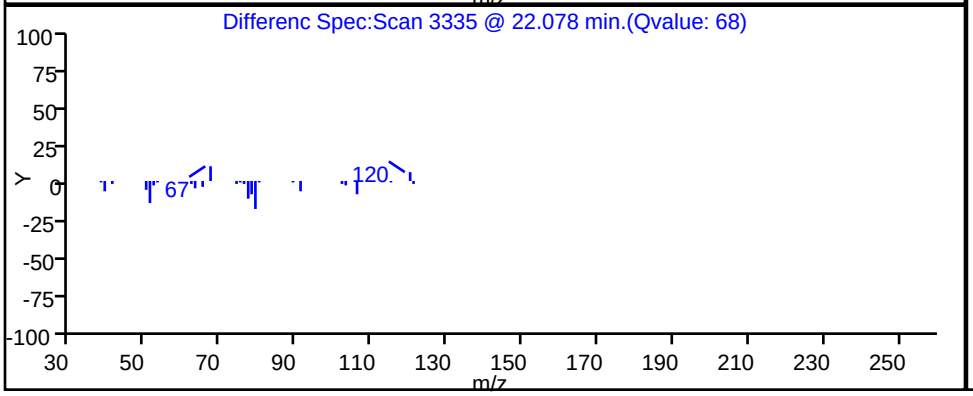








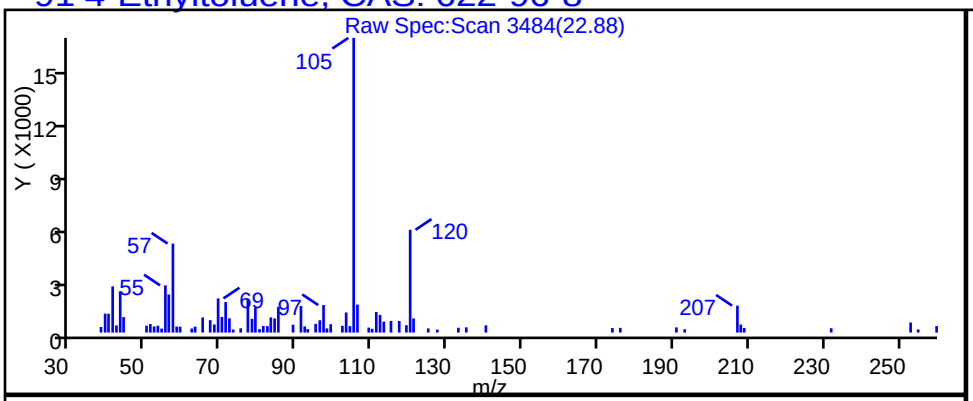


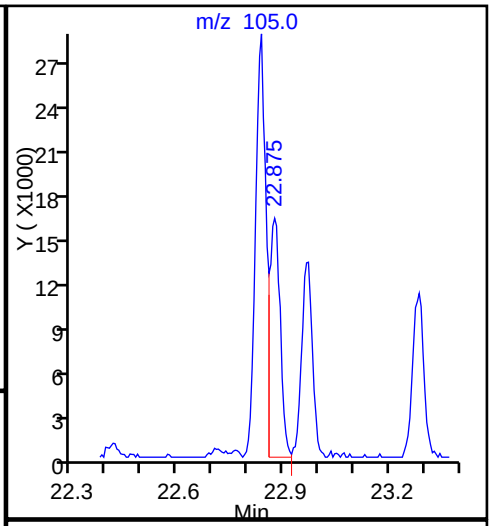


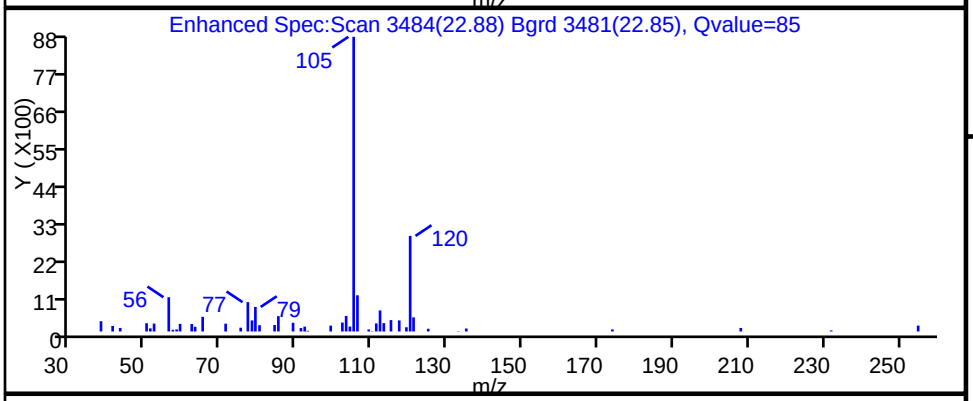
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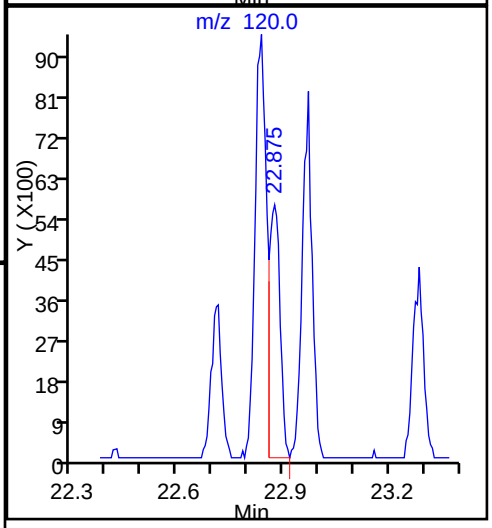
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Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

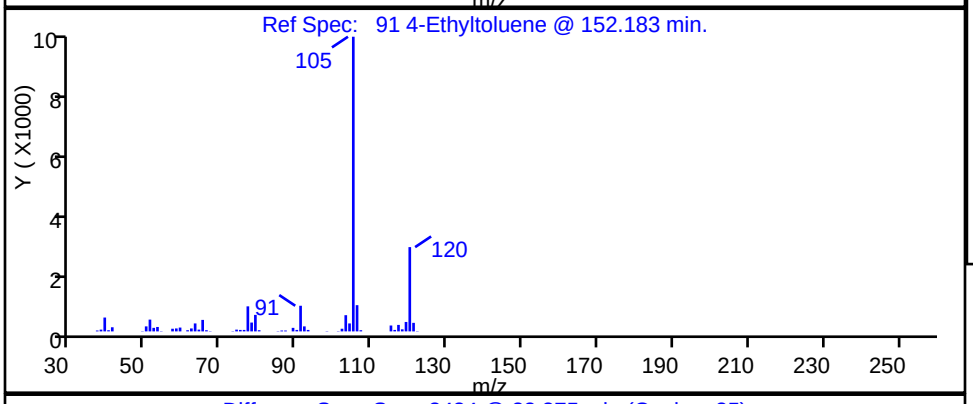
91 4-Ethyltoluene, CAS: 622-96-8

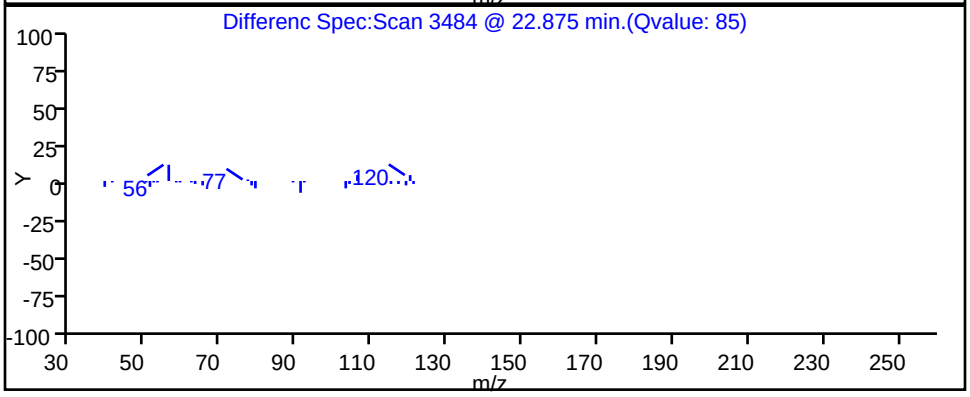












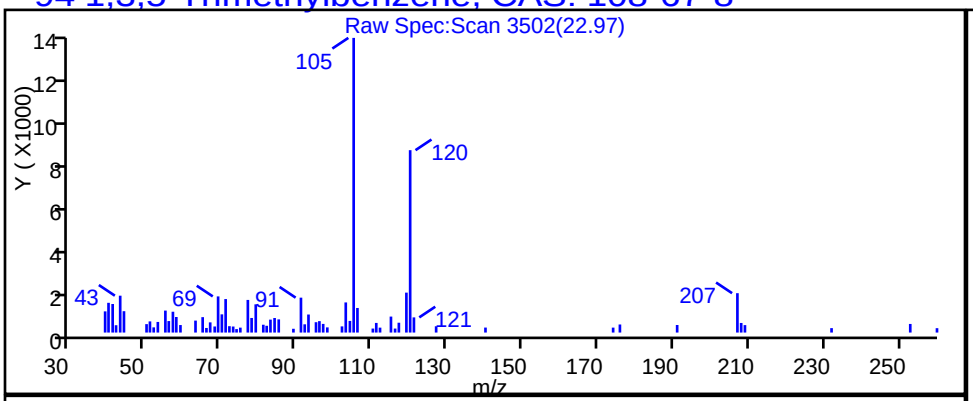
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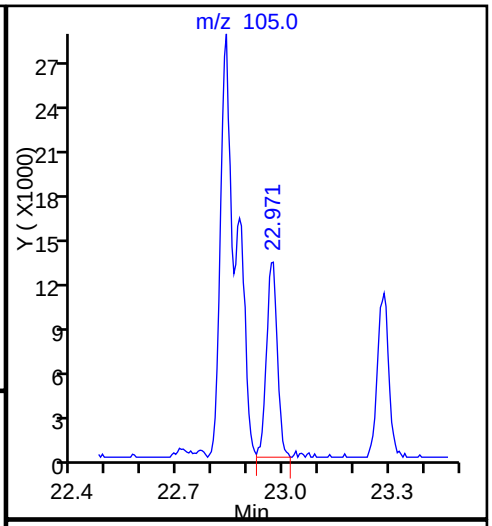
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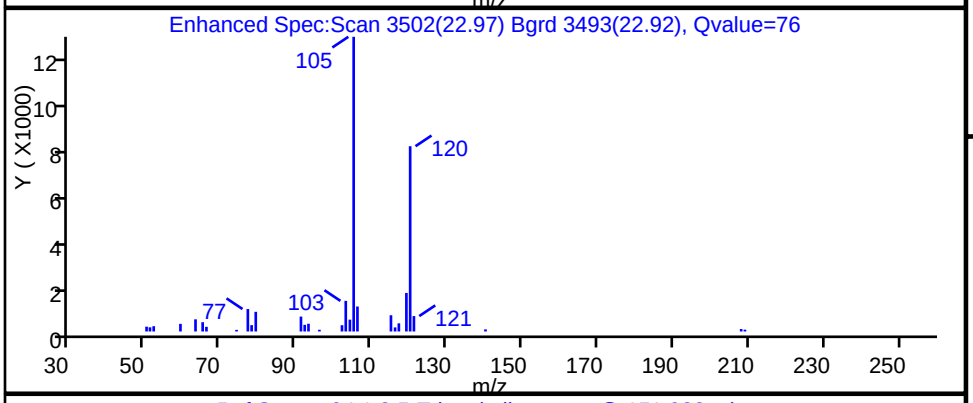
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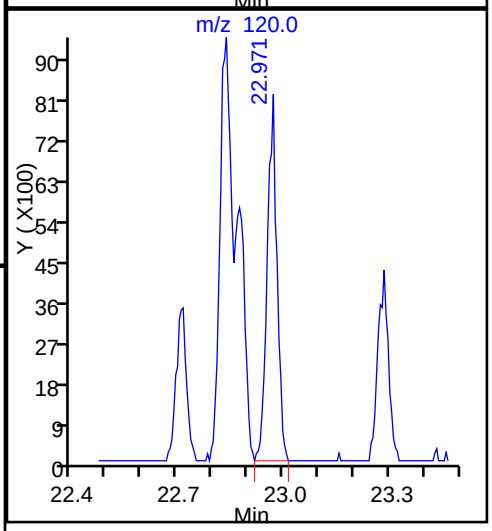
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Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

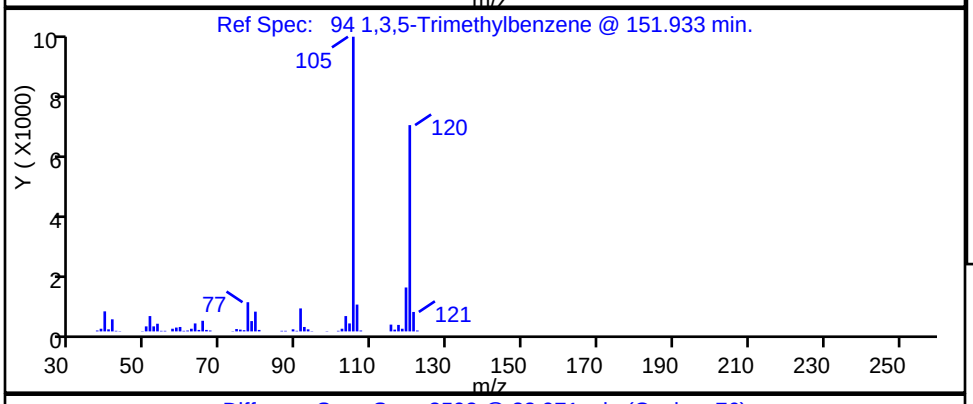
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

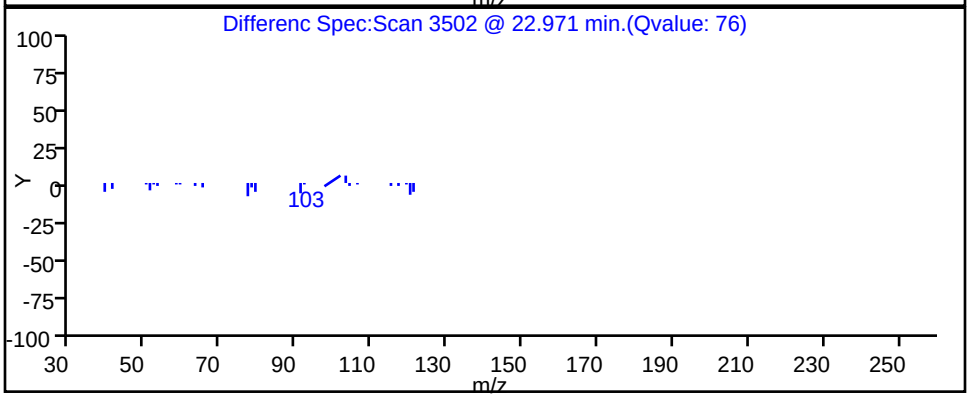












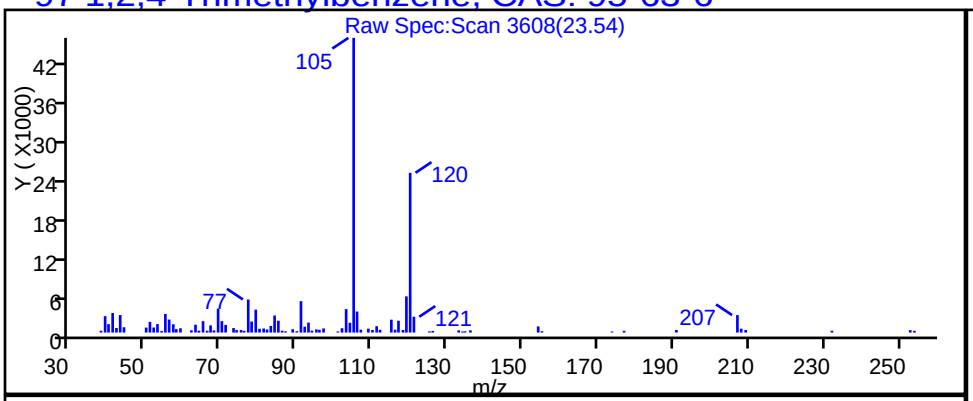
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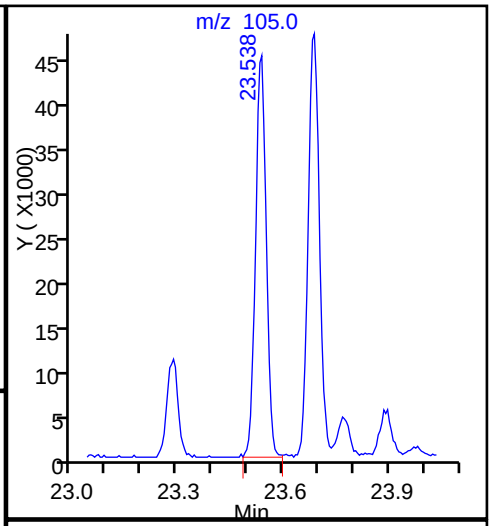
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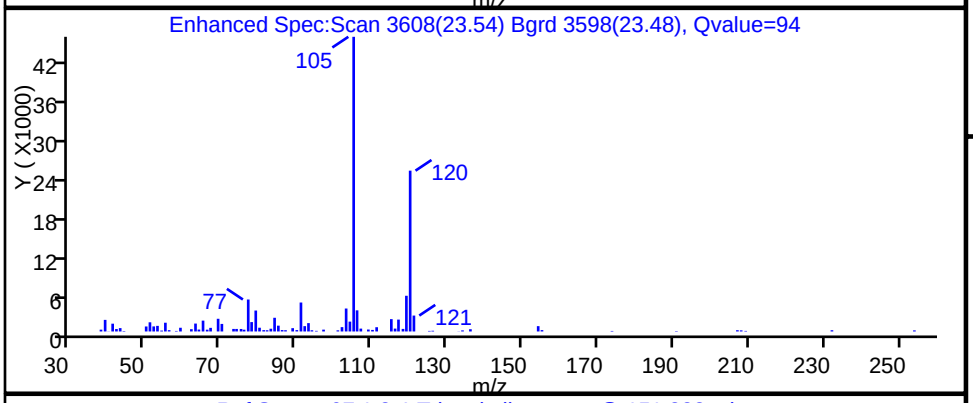
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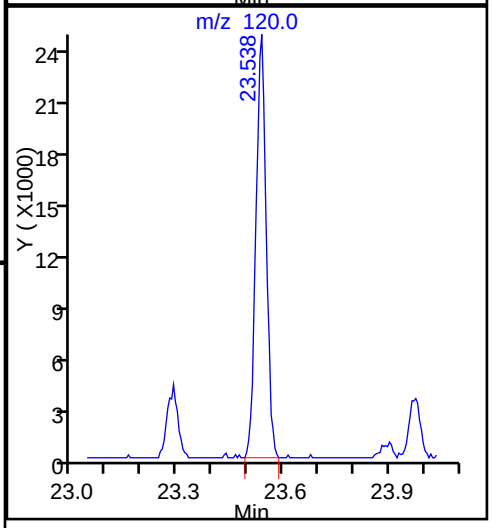
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Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

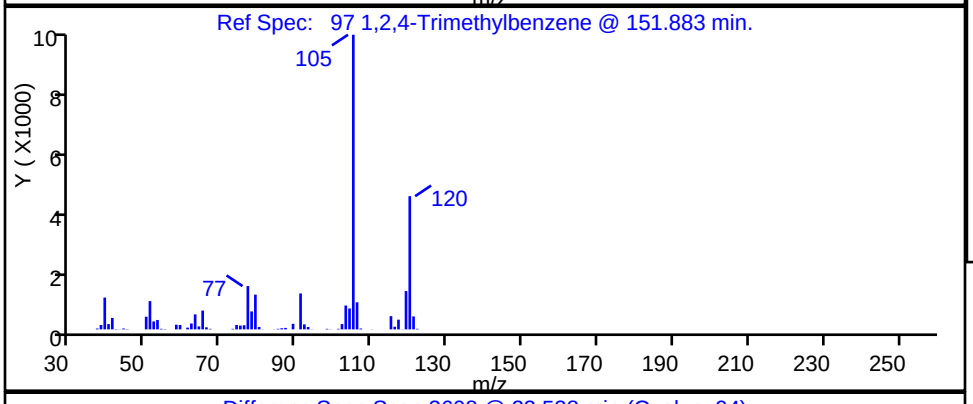
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

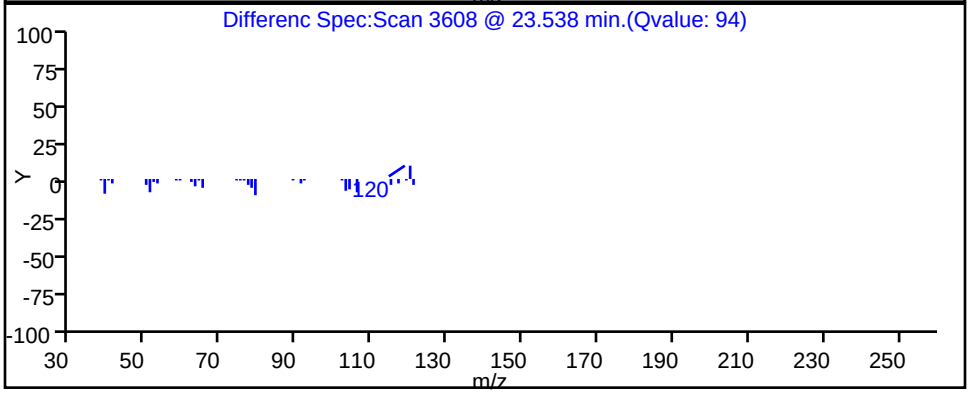












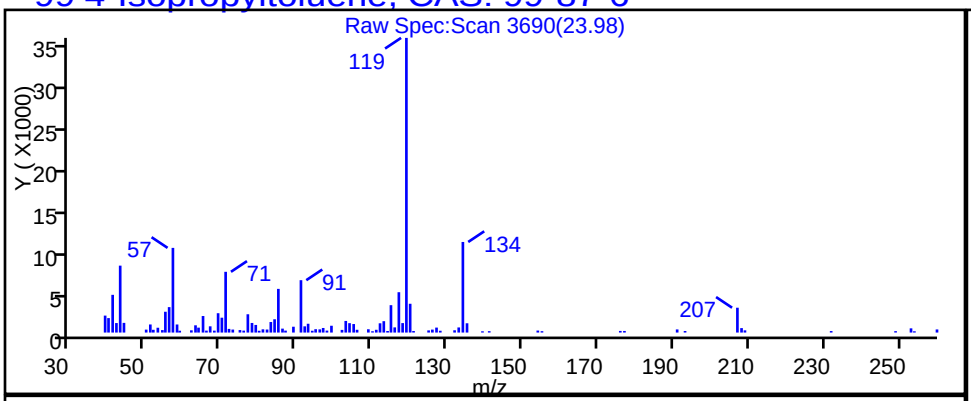
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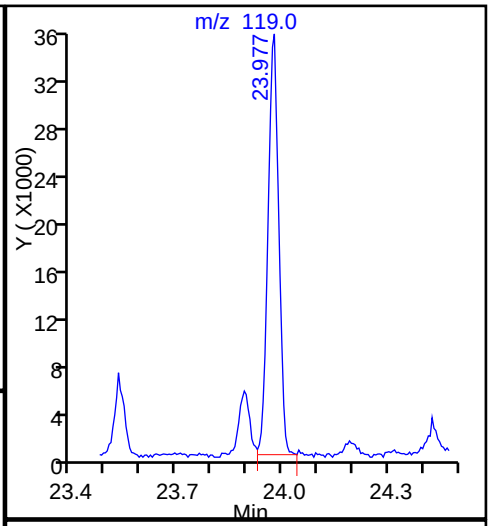
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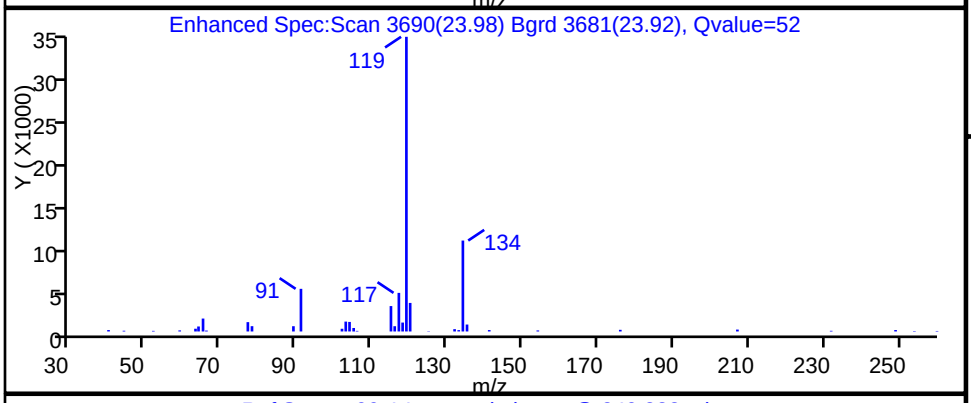
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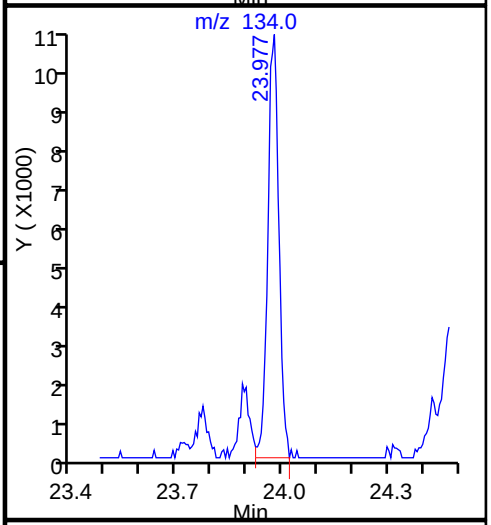
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Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

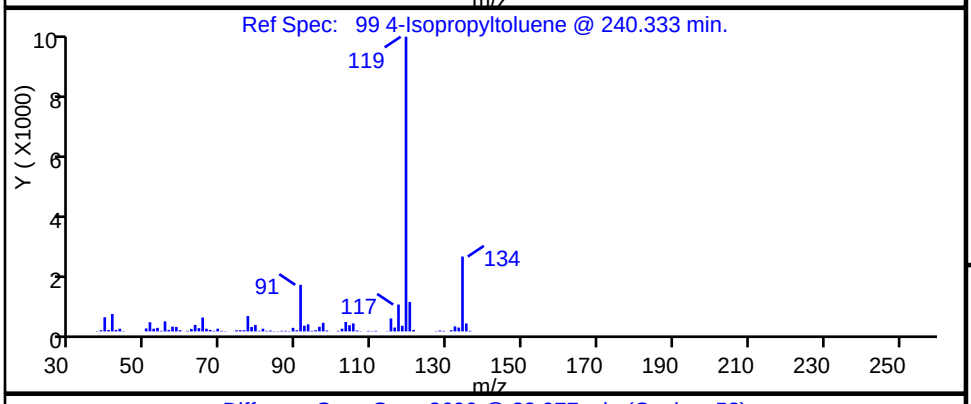
99 4-Isopropyltoluene, CAS: 99-87-6

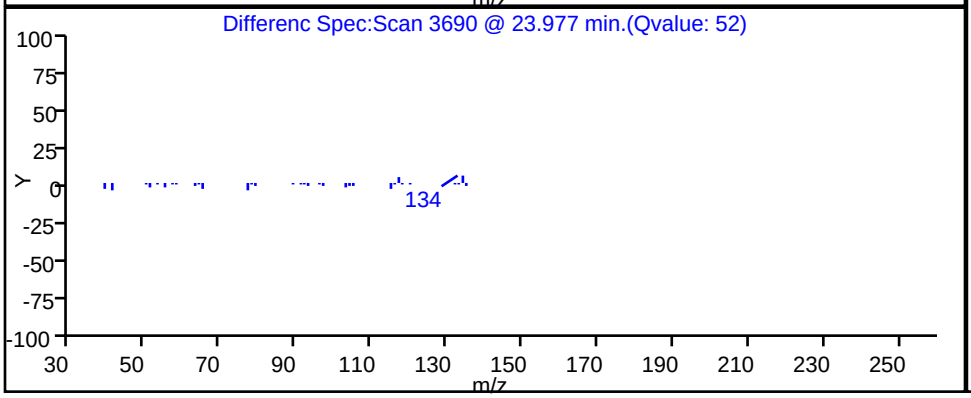


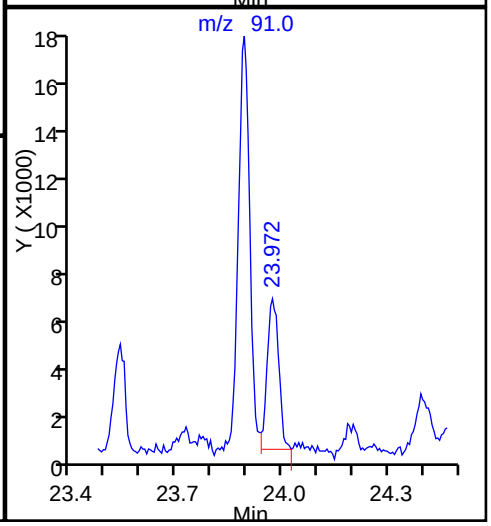












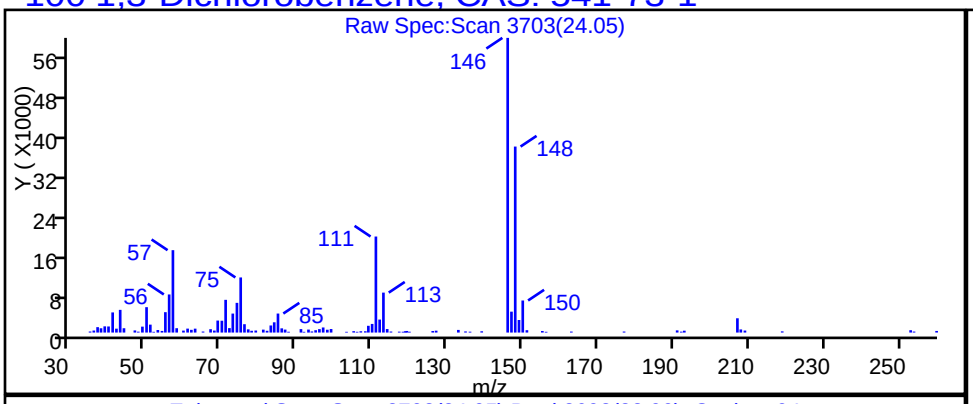
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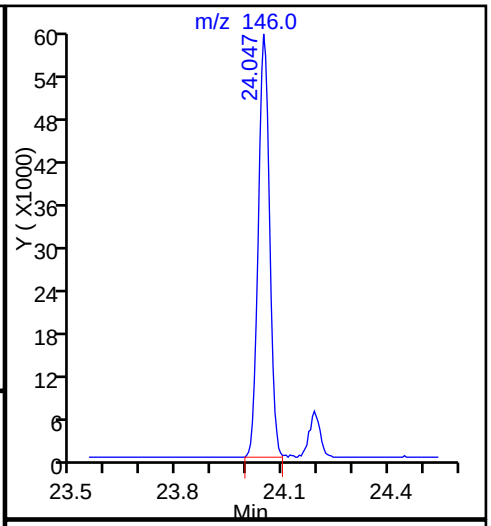
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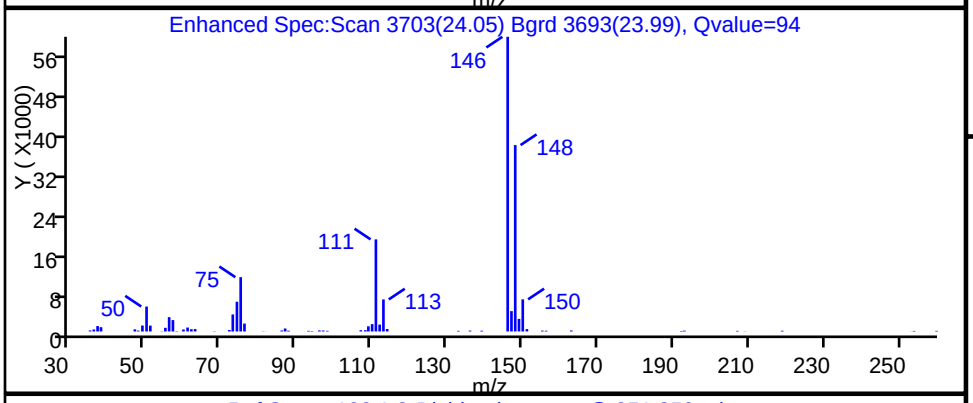
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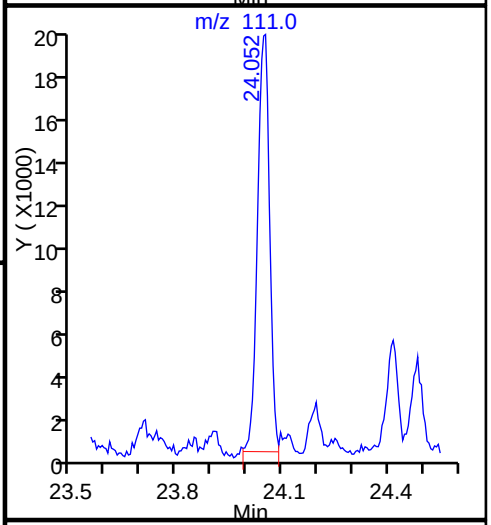
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Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

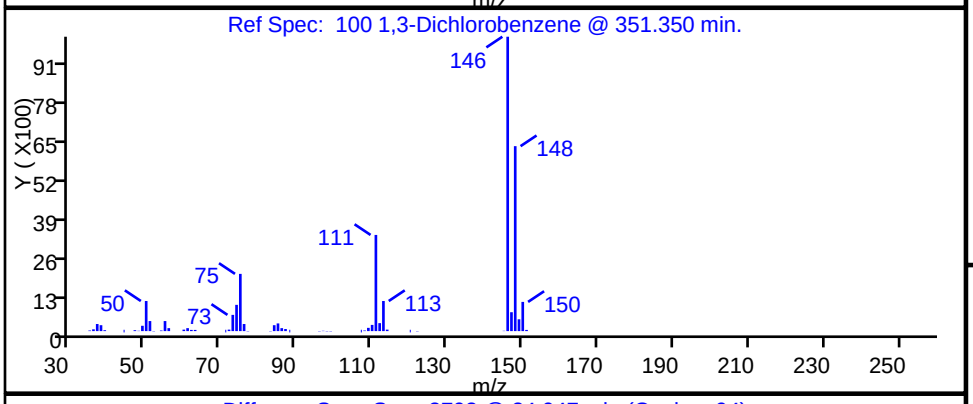
100 1,3-Dichlorobenzene, CAS: 541-73-1

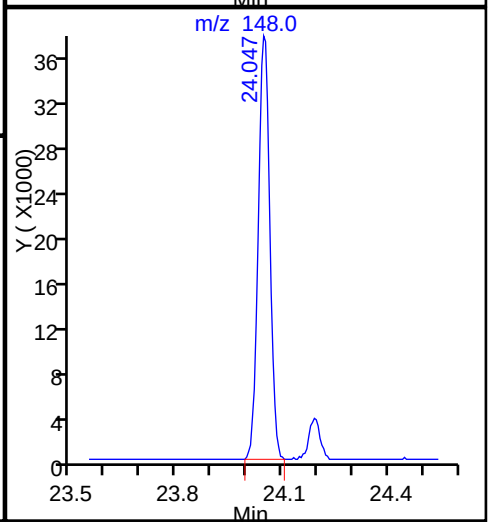


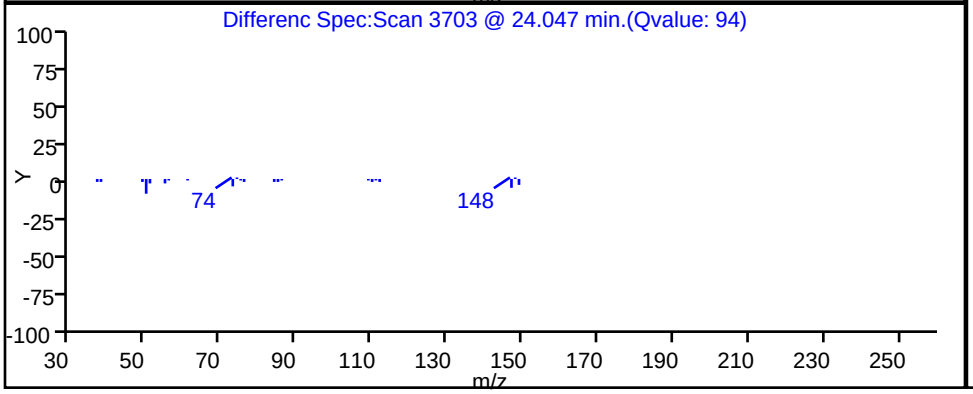








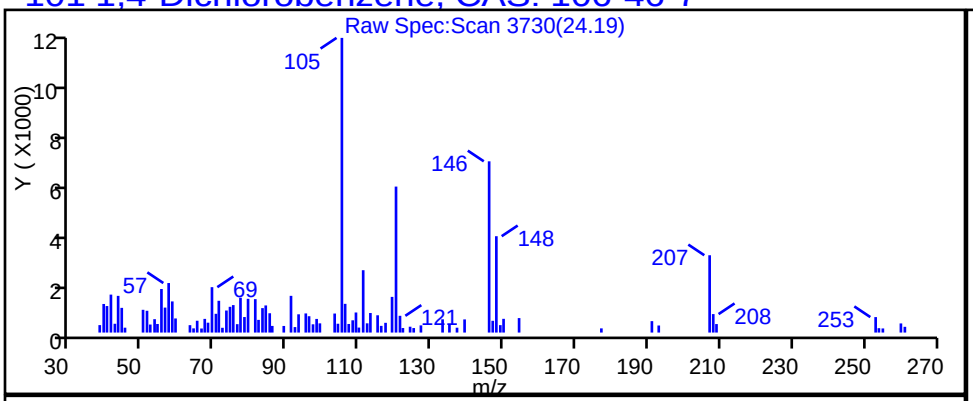


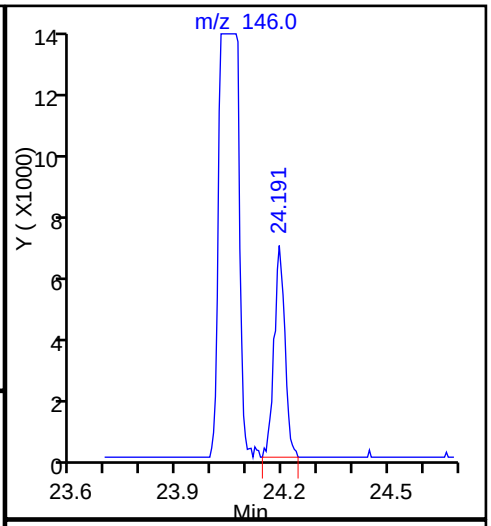


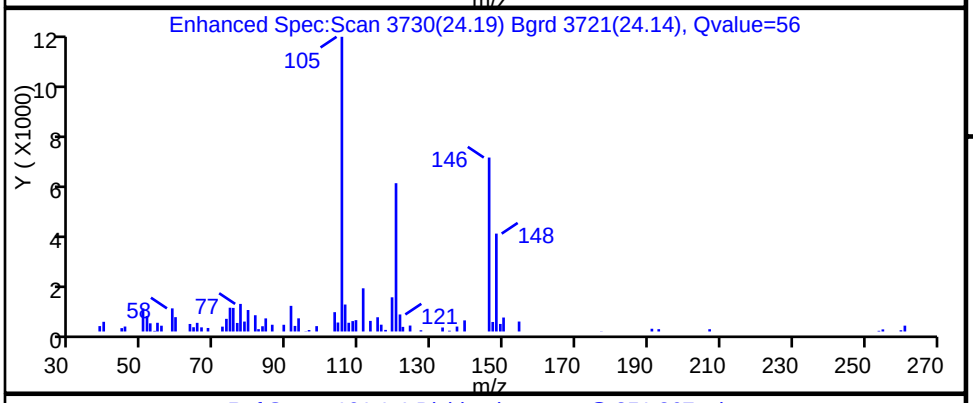
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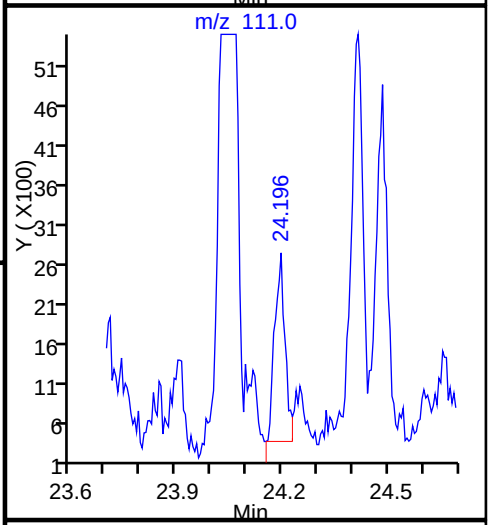
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Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

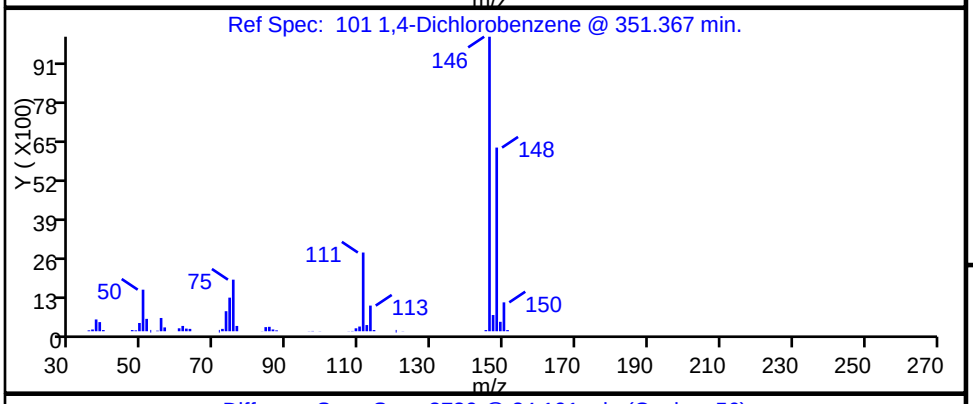
101 1,4-Dichlorobenzene, CAS: 106-46-7

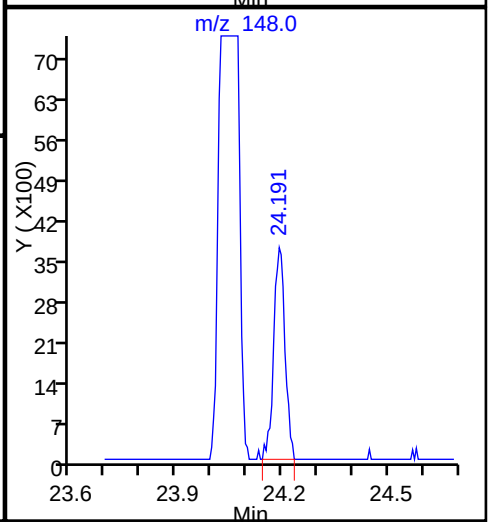


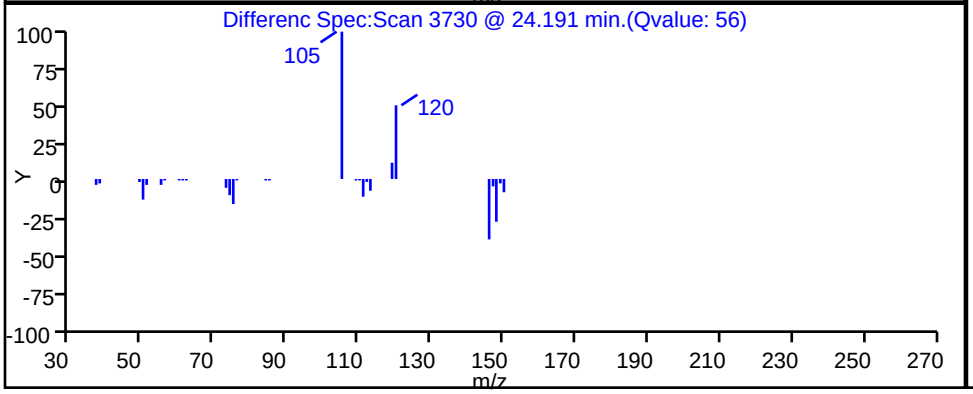












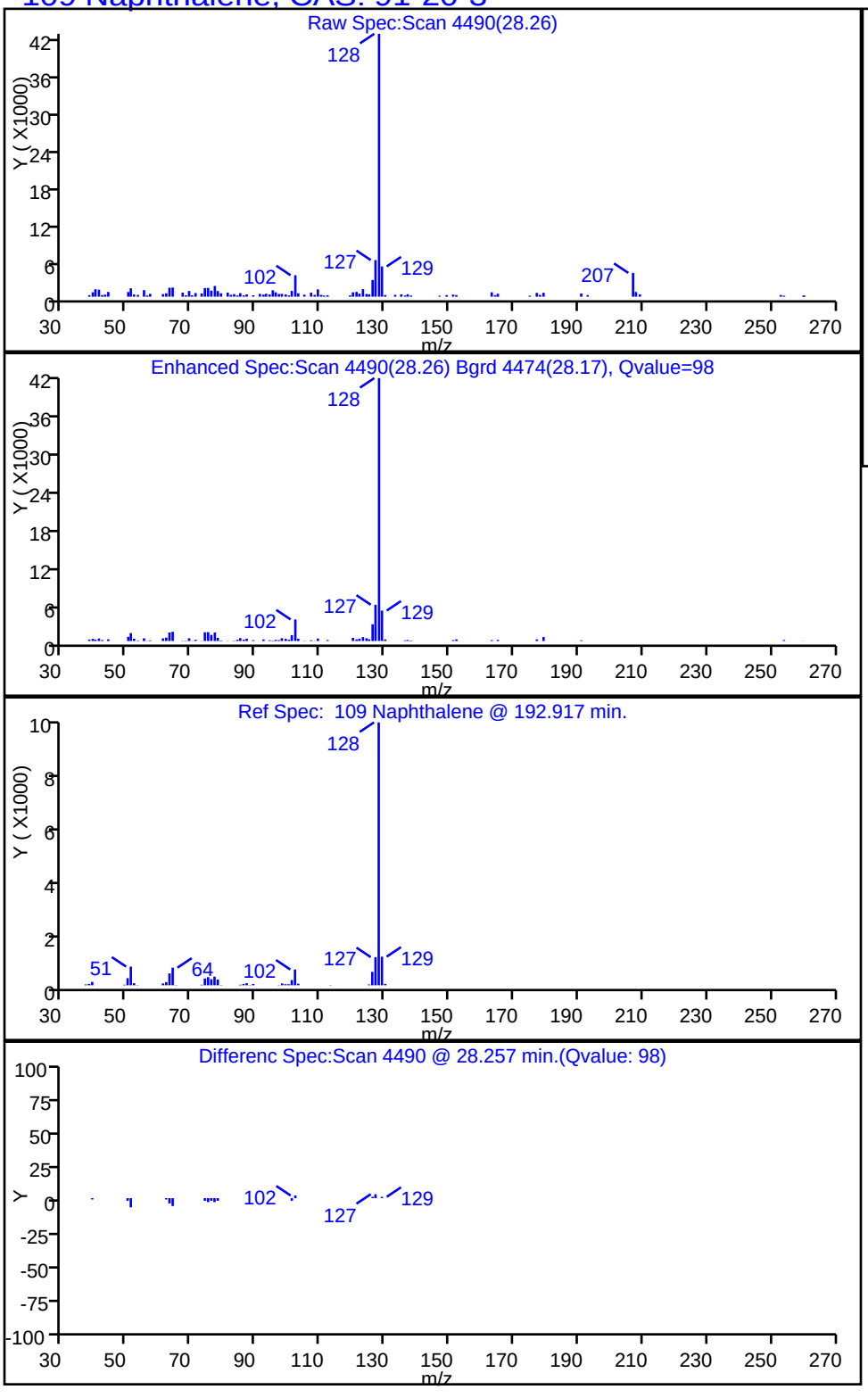
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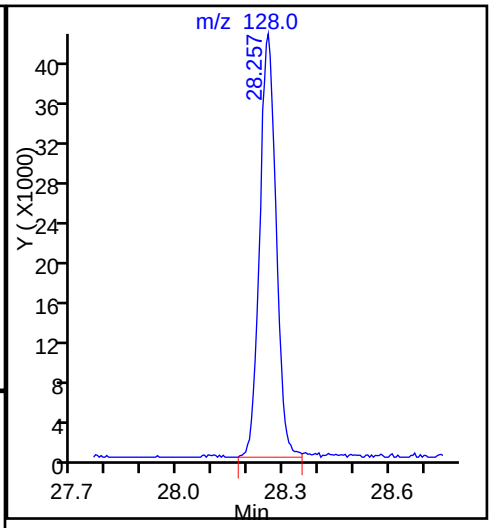
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_016.d

Injection Date:	31-Oct-2014 21:31:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

109 Naphthalene, CAS: 91-20-3





Manual Integration/User Assign Peak Report

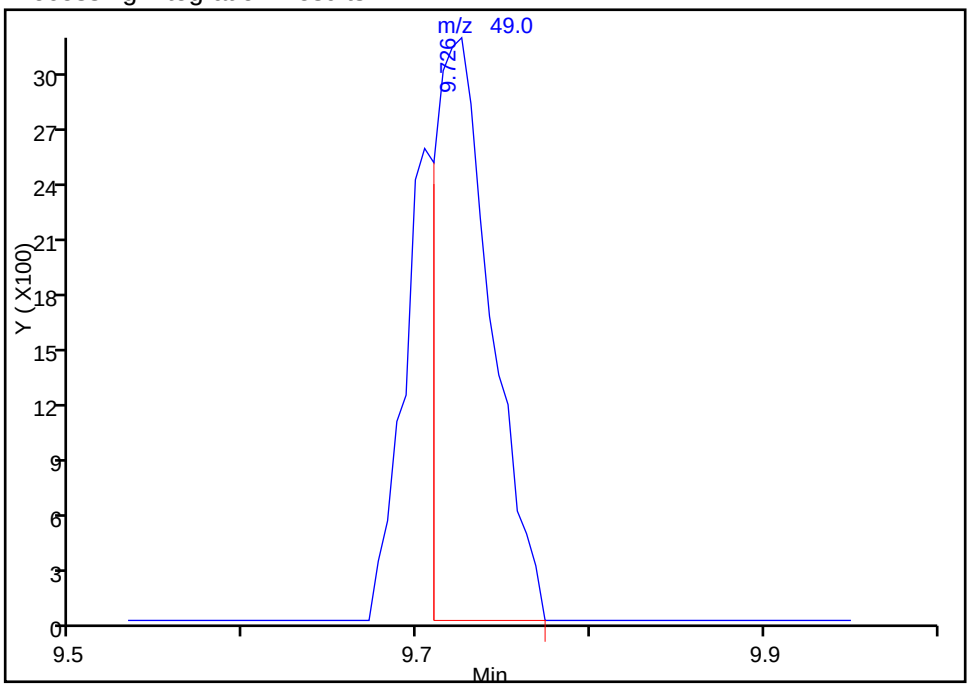
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_016.d				
Injection Date:	31-Oct-2014 21:31:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2

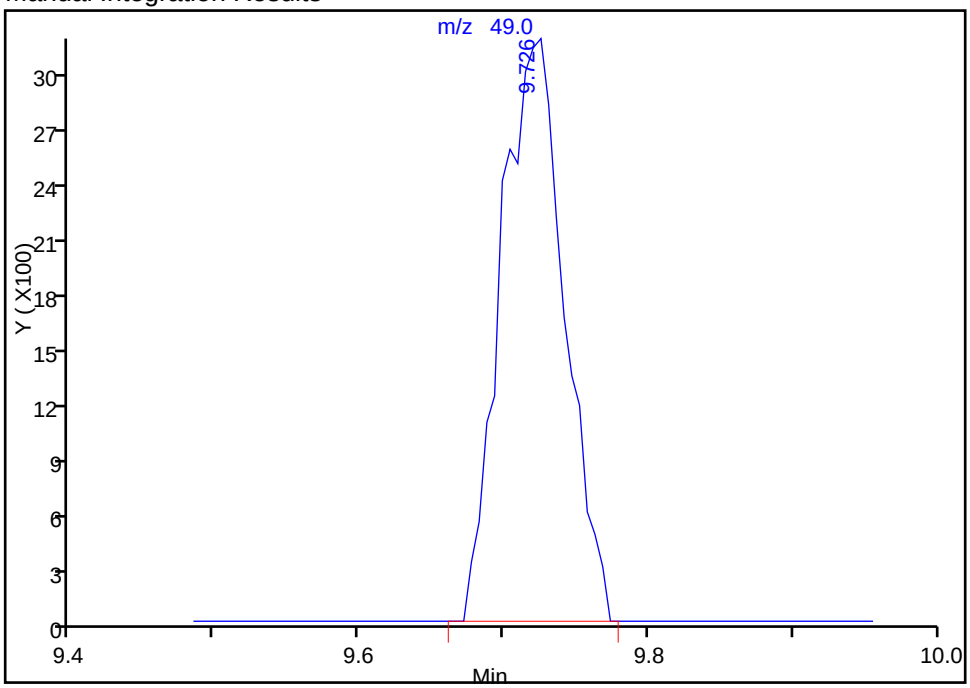
Processing Integration Results

RT: 9.73
Response: 7009
Amount: 0.133301



Manual Integration Results

RT: 9.73
Response: 9569
Amount: 0.181988



Reviewer: lyonsb, 03-Nov-2014 09:38:53
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

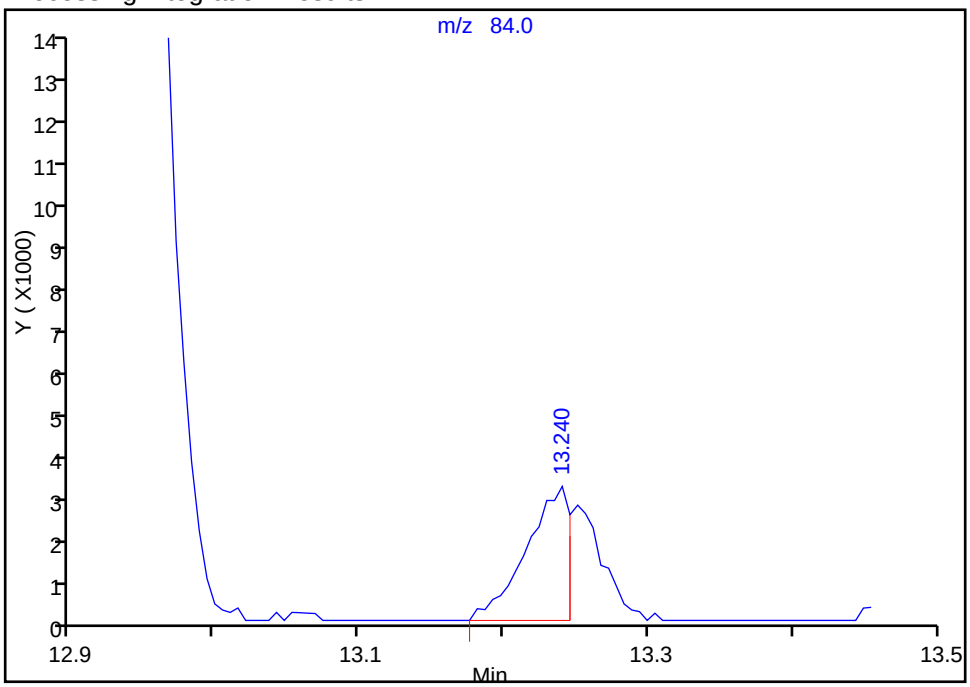
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_016.d				
Injection Date:	31-Oct-2014 21:31:30	Instrument ID:	CHW.i		
Lims ID:	280-61460-A-8	Lab Sample ID:	200-61460-8		
Client ID:	101CA01EA				
Operator ID:	BPL	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

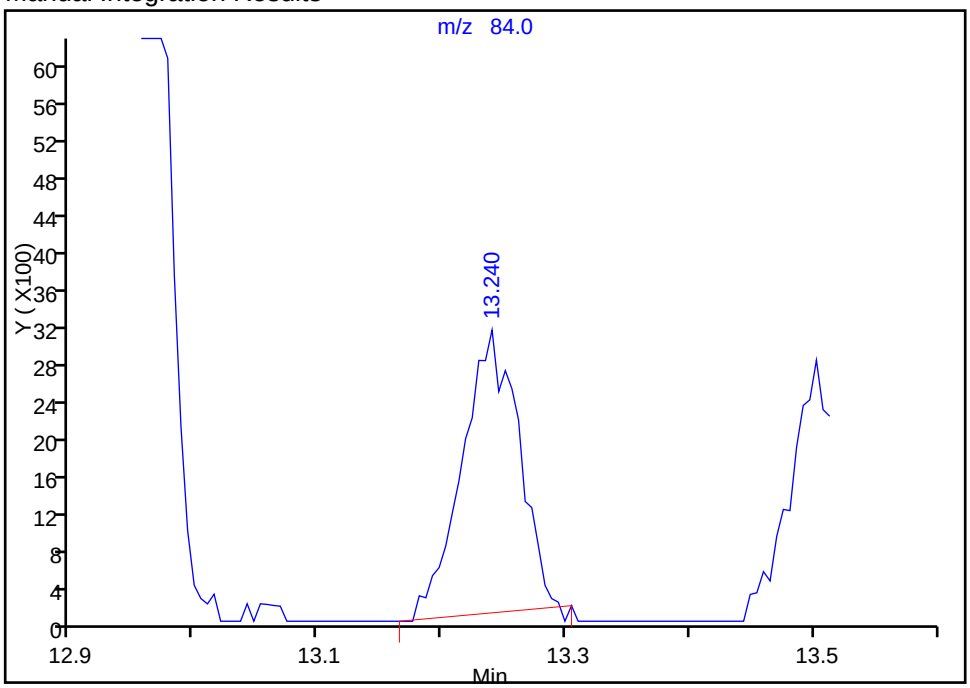
Processing Integration Results

RT: 13.24
Response: 6574
Amount: 0.074883



Manual Integration Results

RT: 13.24
Response: 9602
Amount: 0.109375



Reviewer: lyonsb, 03-Nov-2014 09:38:53
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101514TB Lab Sample ID: 280-61460-9

Matrix: Air Lab File ID: 10288_017.d

Analysis Method: TO-15 Date Collected: 10/15/2014 12:00

Sample wt/vol: 200(mL) Date Analyzed: 10/31/2014 22:21

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.20	U	0.50	0.056
75-45-6	Freon 22	86.47	0.20	U	0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.20	U	0.50	0.060
106-97-8	n-Butane	58.12	0.20	U	0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.080	U	0.20	0.045
76-13-1	Freon TF	187.38	0.080	U	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	2.5	U	5.0	0.69
67-63-0	Isopropyl alcohol	60.10	0.50	U	5.0	0.15
75-15-0	Carbon disulfide	76.14	0.080	U	0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.20	U	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.20	U	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.030	U	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	0.20	U	0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.080	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.053
67-66-3	Chloroform	119.38	0.080	U	0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.20	U	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.030
110-82-7	Cyclohexane	84.16	0.030	U	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.030	U	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.030	U	0.20	0.023
71-43-2	Benzene	78.11	0.030	U	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101514TB Lab Sample ID: 280-61460-9

Matrix: Air Lab File ID: 10288_017.d

Analysis Method: TO-15 Date Collected: 10/15/2014 12:00

Sample wt/vol: 200(mL) Date Analyzed: 10/31/2014 22:21

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.080	U	0.20	0.037
79-01-6	Trichloroethene	131.39	0.030	U	0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.030	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.20	U	0.50	0.18
108-88-3	Toluene	92.14	0.030	U	0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.030	U	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.030	U	0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.060	U	0.50	0.025
95-47-6	Xylene, o-	106.17	0.030	U	0.20	0.018
1330-20-7	Xylene (total)	106.17	0.090	U	0.20	0.041
100-42-5	Styrene	104.15	0.030	U	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U	0.20	0.025
98-82-8	Cumene	120.19	0.030	U	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.030	U	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.030	U	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.030	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.030	U	0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.030	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.030	U	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.030	U	0.20	0.019

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101514TB Lab Sample ID: 280-61460-9

Matrix: Air Lab File ID: 10288_017.d

Analysis Method: TO-15 Date Collected: 10/15/2014 12:00

Sample wt/vol: 200(mL) Date Analyzed: 10/31/2014 22:21

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.080	U	0.50	0.030

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101514TB Lab Sample ID: 280-61460-9

Matrix: Air Lab File ID: 10288_017.d

Analysis Method: TO-15 Date Collected: 10/15/2014 12:00

Sample wt/vol: 200(mL) Date Analyzed: 10/31/2014 22:21

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.99	U	2.5	0.28
75-45-6	Freon 22	86.47	0.71	U	1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	0.41	U	1.0	0.12
106-97-8	n-Butane	58.12	0.48	U	1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	0.45	U	1.1	0.25
76-13-1	Freon TF	187.38	0.61	U	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	5.9	U	12	1.6
67-63-0	Isopropyl alcohol	60.10	1.2	U	12	0.37
75-15-0	Carbon disulfide	76.14	0.25	U	1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.69	U	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	0.61	U	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	0.11	U	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	0.59	U	1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.32	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.21
67-66-3	Chloroform	119.38	0.39	U	0.98	0.19
109-99-9	Tetrahydrofuran	72.11	0.59	U	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.16
110-82-7	Cyclohexane	84.16	0.10	U	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.19	U	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.14	U	0.93	0.11
71-43-2	Benzene	78.11	0.096	U	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101514TB Lab Sample ID: 280-61460-9

Matrix: Air Lab File ID: 10288_017.d

Analysis Method: TO-15 Date Collected: 10/15/2014 12:00

Sample wt/vol: 200(mL) Date Analyzed: 10/31/2014 22:21

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.33	U	0.82	0.15
79-01-6	Trichloroethene	131.39	0.16	U	1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.20	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.82	U	2.0	0.74
108-88-3	Toluene	92.14	0.11	U	0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.82	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	0.13	U	0.87	0.087
179601-23-1	m,p-Xylene	106.17	0.26	U	2.2	0.11
95-47-6	Xylene, o-	106.17	0.13	U	0.87	0.078
1330-20-7	Xylene (total)	106.17	0.39	U	0.87	0.18
100-42-5	Styrene	104.15	0.13	U	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U	2.1	0.26
98-82-8	Cumene	120.19	0.15	U	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.15	U	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.15	U	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.15	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	0.15	U	0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.16	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.18	U	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.18	U	1.2	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: 101514TB Lab Sample ID: 280-61460-9

Matrix: Air Lab File ID: 10288_017.d

Analysis Method: TO-15 Date Collected: 10/15/2014 12:00

Sample wt/vol: 200(mL) Date Analyzed: 10/31/2014 22:21

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.42	U	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_017.d
Lims ID: 280-61460-A-9 Lab Sample ID: 200-61460-9
Client ID: 101514TB
Sample Type: Client
Inject. Date: 31-Oct-2014 22:21:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010288-017
Misc. Info.: 280-61460-a-9
Operator ID: BPL Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 03-Nov-2014 09:39:33 Calib Date: 30-Oct-2014 19:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: lyonsb Date: 03-Nov-2014 09:39:09

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	2 Dichlorodifluoromethane	85		4.483				ND	
	6 Chlorodifluoromethane	51		4.547				ND	
	7 1,2-Dichloro-1,1,2,2-tetra	85		4.831				ND	
	8 Chloromethane	50		5.029				ND	
	9 Butane	43		5.291				ND	
	10 Vinyl chloride	62		5.350				ND	
	11 Butadiene	54		5.446				ND	
	12 Bromomethane	94		6.307				ND	
	14 Chloroethane	64		6.591				ND	
	16 Vinyl bromide	106		7.067				ND	
	17 Trichlorofluoromethane	101		7.184				ND	
	23 1,1,2-Trichloro-1,2,2-trif	101		8.426				ND	
	24 1,1-Dichloroethene	96		8.500				ND	
	25 Acetone	43		8.731				ND	
	26 Carbon disulfide	76		8.987				ND	
	27 Isopropyl alcohol	45		9.025				ND	
	29 3-Chloro-1-propene	41		9.383				ND	
	31 Methylene Chloride	49		9.715				ND	
	32 2-Methyl-2-propanol	59		9.891				ND	
	33 Methyl tert-butyl ether	73		10.138				ND	
S	41 1,2-Dichloroethene, Total	61		10.200				0	
	34 trans-1,2-Dichloroethene	61		10.212				ND	
	36 Hexane	57		10.630				ND	
	37 1,1-Dichloroethane	63		11.175				ND	
	39 cis-1,2-Dichloroethene	96		12.352				ND	
	40 2-Butanone (MEK)	72		12.358				ND	
	44 Tetrahydrofuran	42		12.828				ND	
*	43 Chlorobromomethane	128	12.828	12.834	-0.006	73	622486	10.0	
	45 Chloroform	83		12.941				ND	
	46 Cyclohexane	84		13.240				ND	
	47 1,1,1-Trichloroethane	97		13.251				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		13.508				ND	
51 Isooctane	57		13.898				ND	
50 Benzene	78		13.957				ND	
52 1,2-Dichloroethane	62		14.118				ND	
53 n-Heptane	43		14.246				ND	
* 54 1,4-Difluorobenzene	114	14.711	14.717	-0.006	91	2911649	10.0	
56 Trichloroethene	95		15.182				ND	
58 1,2-Dichloropropane	63		15.696				ND	
59 Methyl methacrylate	69		15.781				ND	
60 1,4-Dioxane	88		15.872				ND	
62 Dichlorobromomethane	83		16.193				ND	
64 cis-1,3-Dichloropropene	75		17.055				ND	
65 4-Methyl-2-pentanone (MIBK	43		17.285				ND	
66 Toluene	92		17.627				ND	
70 trans-1,3-Dichloropropene	75		18.157				ND	
71 1,1,2-Trichloroethane	83		18.526				ND	
72 Tetrachloroethene	166		18.665				ND	
73 2-Hexanone	43		18.906				ND	
74 Chlorodibromomethane	129		19.280				ND	
75 Ethylene Dibromide	107		19.564				ND	
S 82 Xylenes, Total	106		20.100				0	
* 76 Chlorobenzene-d5	117	20.409	20.409	0.000	80	2619957	10.0	
77 Chlorobenzene	112		20.468				ND	
78 Ethylbenzene	91		20.580				ND	
80 m-Xylene & p-Xylene	106		20.794				ND	
83 o-Xylene	106		21.511				ND	
84 Styrene	104		21.548				ND	
85 Bromoform	173		21.934				ND	
86 Isopropylbenzene	105		22.078				ND	
$ 87 4-Bromofluorobenzene	95	22.415	22.415	0.000	96	1507305	NC	
88 1,1,2,2-Tetrachloroethane	83		22.640				ND	
90 N-Propylbenzene	91		22.709				ND	
91 4-Ethyltoluene	105		22.881				ND	
92 2-Chlorotoluene	91		22.913				ND	
94 1,3,5-Trimethylbenzene	105		22.971				ND	
96 tert-Butylbenzene	119		23.448				ND	
97 1,2,4-Trimethylbenzene	105		23.539				ND	
98 sec-Butylbenzene	105		23.774				ND	
99 4-Isopropyltoluene	119		23.977				ND	
100 1,3-Dichlorobenzene	146		24.047				ND	
101 1,4-Dichlorobenzene	146		24.197				ND	
102 Benzyl chloride	91		24.400				ND	
103 n-Butylbenzene	91		24.614				ND	
105 1,2-Dichlorobenzene	146		24.796				ND	
107 1,2,4-Trichlorobenzene	180		27.674				ND	
108 Hexachlorobutadiene	225		27.872				ND	
109 Naphthalene	128		28.257				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15WISs_00003	Amount Added:	20.00	Units: mL	Run Reagent

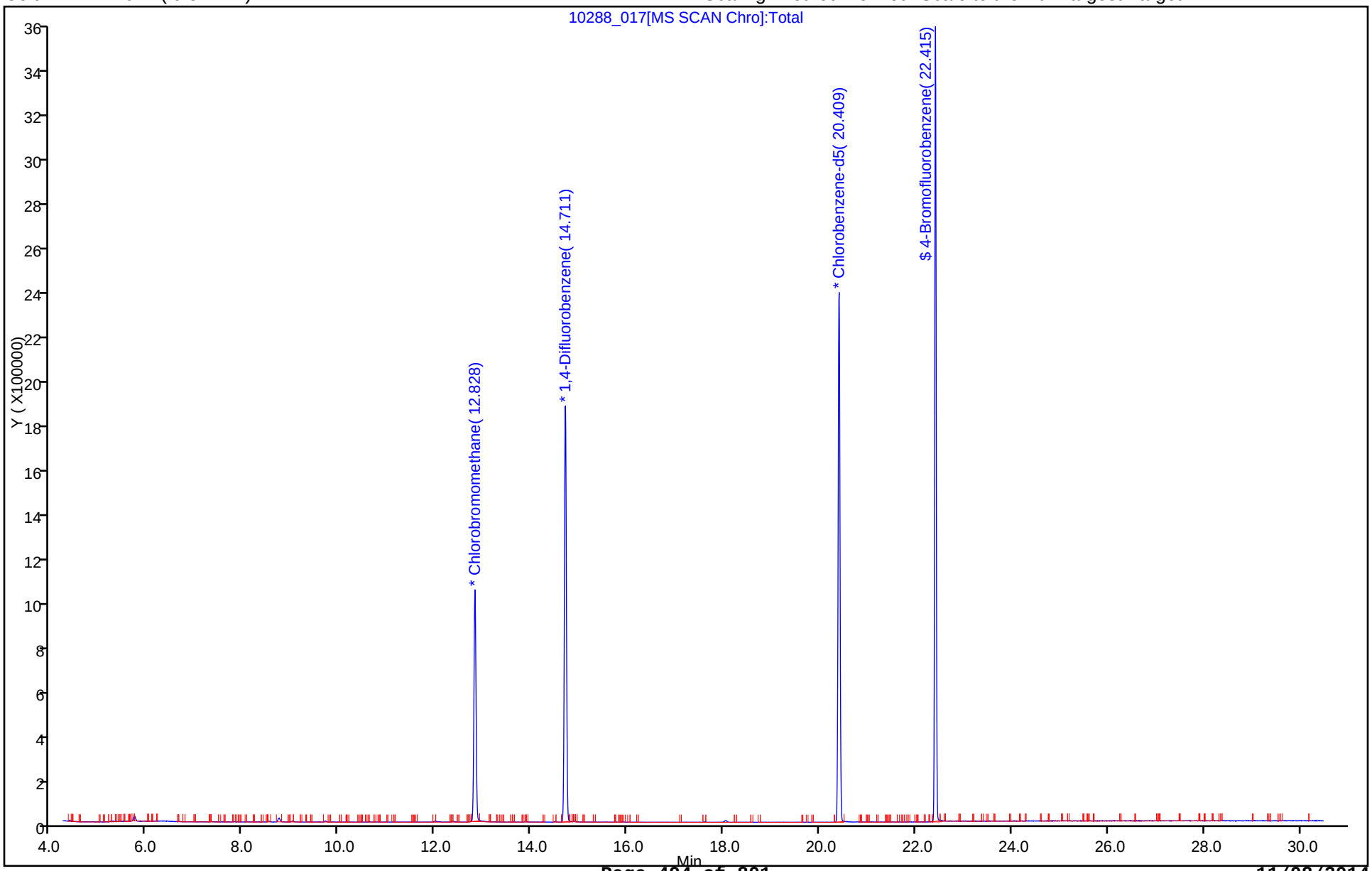
Report Date: 03-Nov-2014 09:39:38 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_017.d

Injection Date:	31-Oct-2014 22:21:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	280-61460-A-9	Lab Sample ID:	200-61460-9	Worklist Smp#:	17
Client ID:	101514TB				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 280-61460-1 Analy Batch No.: 79551

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/29/2014 17:07 Calibration End Date: 10/29/2014 22:37 Calibration ID: 28416

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-79551/3	10262_03.D
Level 2	IC 200-79551/4	10262_04.D
Level 3	IC 200-79551/5	10262_05.D
Level 4	IC 200-79551/6	10262_06.D
Level 5	ICIS 200-79551/7	10262_07.D
Level 6	IC 200-79551/8	10262_08.D
Level 7	IC 200-79551/9	10262_09.D
Level 8	IC 200-79551/10	10262_10.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.5149	+++++ 0.5115	0.7765 0.4405	0.5735	0.5915	Ave		0.5681				20.0		30.0			
Dichlorodifluoromethane	+++++ 4.0607	+++++ 3.7829	5.3424 2.9675	4.7198	4.7271	Ave		4.2667				20.0		30.0			
Freon 22	+++++ 1.7065	+++++ 1.6354	2.1990 1.3924	1.9047	1.9399	Ave		1.7963				16.0		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.1362	3.2996 3.0510	3.7229 2.6269	3.4108	3.5297	Ave		3.2539				11.0		30.0			
Chloromethane	+++++ 0.6362	+++++ 0.6291	0.8430 0.5663	0.6704	0.7151	Ave		0.6767				14.0		30.0			
n-Butane	+++++ 1.0853	+++++ 1.0661	1.4062 0.9547	1.2391	1.2918	Ave		1.1739				14.0		30.0			
Vinyl chloride	0.8809 0.8619	0.8827 0.8599	1.0483 0.7789	1.0007	1.0201	Ave		0.9167				10.0		30.0			
1,3-Butadiene	+++++ 0.6256	0.5512 0.5991	0.7300 0.5454	0.6867	0.7275	Ave		0.6379				12.0		30.0			
Bromomethane	+++++ 1.1437	1.0999 1.0992	1.4775 0.9605	1.2847	1.2854	Ave		1.1930				14.0		30.0			
Chloroethane	+++++ 0.4633	+++++ 0.4459	0.5879 0.3992	0.5252	0.5091	Ave		0.4884				14.0		30.0			
Isopentane	+++++ 0.8016	1.0203 0.7746	1.1049 0.6818	0.8955	0.8786	Ave		0.8796				17.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.0340	0.9601 1.0241	1.2299 0.9343	1.1239	1.0989	Ave		1.0579				9.6		30.0			
Trichlorofluoromethane	+++++ 4.1524	4.5165 3.9748	5.5894 3.3180	4.9982	4.7767	Ave		4.4752				17.0		30.0			
n-Pentane	+++++ 0.9720	+++++ 0.9720	1.1138 0.8758	1.0514	1.0467	Ave		1.0053				8.3		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 280-61460-1 Analy Batch No.: 79551

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/29/2014 17:07 Calibration End Date: 10/29/2014 22:37 Calibration ID: 28416

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.2580	+++++ 0.2268	0.2869 0.1927	0.2791	0.2451	Ave		0.2481				14.0		30.0			
Ethyl ether	+++++ 0.4882	0.3513 0.4902	0.5276 0.4416	0.5179	0.5159	Ave		0.4761				13.0		30.0			
Acrolein	+++++ 0.1913	+++++ 0.1946	+++++ 0.1826	0.1886	0.2071	Ave		0.1928				4.7		30.0			
Freon TF	+++++ 2.1914	2.1993 2.1466	2.6303 1.9311	2.4237	2.3801	Ave		2.2718				10.0		30.0			
1,1-Dichloroethene	+++++ 0.9119	0.7985 0.9231	1.0072 0.8562	0.9377	0.9602	Ave		0.9135				7.5		30.0			
Acetone	+++++ 1.2829	+++++ 1.1596	+++++ 1.0086	1.9031	1.3222	Ave		1.3353				25.0		30.0			
Carbon disulfide	+++++ 2.2948	+++++ 2.0884	2.3975 1.9011	2.2962	2.1982	Ave		2.1960				8.1		30.0			
Isopropyl alcohol	+++++ 0.8689	+++++ 0.8213	+++++ 0.7359	0.9206	0.8992	Ave		0.8492				8.7		30.0			
3-Chloropropene	+++++ 0.7901	0.5637 0.7827	0.7887 0.7157	0.8375	0.8443	Ave		0.7604				13.0		30.0			
Acetonitrile	+++++ 0.3659	+++++ 0.3578	+++++ 0.3207	0.4003	0.3968	Ave		0.3683				8.8		30.0			
Methylene Chloride	+++++ 0.8628	+++++ 0.8522	1.2425 0.7499	0.9853	0.9587	Ave		0.9419				18.0		30.0			
tert-Butyl alcohol	+++++ 1.7073	+++++ 1.6613	+++++ 1.5086	1.7781	1.8018	Ave		1.6914				6.9		30.0			
Methyl tert-butyl ether	+++++ 3.0063	2.2819 3.0174	3.0080 2.7232	3.0924	3.2093	Ave		2.9055				11.0		30.0			
trans-1,2-Dichloroethene	+++++ 1.2712	1.1050 1.2705	1.4223 1.1696	1.3690	1.3708	Ave		1.2826				9.0		30.0			
Acrylonitrile	+++++ 0.4193	+++++ 0.4250	0.4499 0.3979	0.4418	0.4472	Ave		0.4302				4.6		30.0			
n-Hexane	+++++ 0.9900	0.7808 1.0011	0.9576 0.9284	0.9972	1.0340	Ave		0.9556				8.8		30.0			
1,1-Dichloroethane	1.8507 1.4774	1.2929 1.5022	1.7243 1.3658	1.5492	1.5635	Ave		1.5408				12.0		30.0			
Vinyl acetate	+++++ 1.7671	+++++ 1.7686	+++++ 1.5943	1.7608	1.8740	Ave		1.7530				5.7		30.0			
cis-1,2-Dichloroethene	+++++ 0.9236	0.7826 0.9559	0.9759 0.9081	0.9212	0.9692	Ave		0.9195				7.1		30.0			
Methyl Ethyl Ketone	+++++ 0.3597	+++++ 0.3583	0.4189 0.3397	0.3659	0.3519	Ave		0.3657				7.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 280-61460-1 Analy Batch No.: 79551

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/29/2014 17:07 Calibration End Date: 10/29/2014 22:37 Calibration ID: 28416

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0677	+++++ 0.0702	+++++ 0.0646	0.0634	0.0674	Ave		0.0667				4.0		30.0			
Tetrahydrofuran	+++++ 0.1507	+++++ 0.1484	+++++ 0.1331	0.1648	0.1623	Ave		0.1519				8.3		30.0			
Chloroform	+++++ 2.3585	2.2152 2.3666	2.6006 2.1500	2.4421	2.4802	Ave		2.3733				6.5		30.0			
Cyclohexane	+++++ 0.2607	0.1964 0.2672	0.2721 0.2533	0.2713	0.2729	Ave		0.2563				11.0		30.0			
1,1,1-Trichloroethane	+++++ 0.7885	0.7563 0.7691	0.8884 0.6728	0.8732	0.8551	Ave		0.8005				9.6		30.0			
Carbon tetrachloride	1.0859 0.9339	0.8559 0.9005	1.0768 0.7712	1.0616	1.0303	Ave		0.9645				12.0		30.0			
2,2,4-Trimethylpentane	+++++ 0.7385	0.5564 0.7554	0.7236 0.7063	0.7661	0.7736	Ave		0.7171				10.0		30.0			
Benzene	+++++ 0.5397	0.4919 0.5507	0.5948 0.5210	0.5602	0.5529	Ave		0.5445				5.9		30.0			
1,2-Dichloroethane	+++++ 0.4583	0.4388 0.4504	0.5325 0.3976	0.5001	0.5013	Ave		0.4684				9.7		30.0			
n-Heptane	+++++ 0.2552	0.1860 0.2544	0.2506 0.2386	0.2672	0.2690	Ave		0.2459				12.0		30.0			
n-Butanol	+++++ 0.0707	+++++ 0.0698	+++++ 0.0708	0.0677	0.0680	Ave		0.0694				2.1		30.0			
Trichloroethene	0.1740 0.3124	0.2374 0.3199	0.3066 0.3050	0.3183	0.3224	Ave		0.2870				19.0		30.0			
1,2-Dichloropropane	+++++ 0.1650	0.1161 0.1706	0.1652 0.1634	0.1597	0.1701	Ave		0.1586				12.0		30.0			
Methyl methacrylate	+++++ 0.1803	+++++ 0.1877	0.1350 0.1810	0.1654	0.1781	Ave		0.1713				11.0		30.0			
1,4-Dioxane	+++++ 0.0806	+++++ 0.0809	+++++ 0.0774	0.0836	0.0795	Ave		0.0804				2.8		30.0			
Dibromomethane	+++++ 0.4003	0.2922 0.4220	0.3540 0.4094	0.3642	0.3820	Ave		0.3749				12.0		30.0			
Bromodichloromethane	+++++ 0.6707	0.4894 0.6731	0.6391 0.6153	0.6568	0.6994	Ave		0.6348				11.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.3464	0.2311 0.3559	0.3289 0.3425	0.3194	0.3490	Ave		0.3247				13.0		30.0			
methyl isobutyl ketone	+++++ 0.4024	+++++ 0.3937	0.3518 0.3600	0.4200	0.4340	Ave		0.3936				8.3		30.0			
Toluene	+++++ 0.4300	0.3858 0.4377	0.4184 0.4213	0.4214	0.4262	Ave		0.4201				3.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 280-61460-1 Analy Batch No.: 79551

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/29/2014 17:07 Calibration End Date: 10/29/2014 22:37 Calibration ID: 28416

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.3687	0.2753 0.3657	0.3566 0.3447	0.3880	0.3899	Ave		0.3555				11.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.4427	0.3569 0.4479	0.4115 0.4241	0.4227	0.4532	Ave		0.4227				7.7		30.0			
1,1,2-Trichloroethane	+++++ 0.2134	0.1524 0.2151	0.2132 0.2053	0.2158	0.2148	Ave		0.2043				11.0		30.0			
Tetrachloroethene	0.6735 0.6282	0.4742 0.6501	0.6005 0.6170	0.5896	0.6182	Ave		0.6064				9.8		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4286	+++++ 0.4066	0.4207 0.3643	0.4632	0.4646	Ave		0.4247				8.9		30.0			
Dibromochloromethane	+++++ 0.7944	0.5455 0.7901	0.6984 0.7229	0.7695	0.8005	Ave		0.7316				12.0		30.0			
1,2-Dibromoethane	+++++ 0.5040	0.3611 0.5106	0.4558 0.4858	0.4739	0.5029	Ave		0.4706				11.0		30.0			
Chlorobenzene	+++++ 0.6786	0.5887 0.6981	0.6859 0.6677	0.6605	0.6778	Ave		0.6653				5.4		30.0			
Ethylbenzene	+++++ 1.1498	0.8923 1.1512	1.1134 1.0280	1.1468	1.1862	Ave		1.0954				9.4		30.0			
n-Nonane	+++++ 0.3927	0.2685 0.3913	0.3924 0.3734	0.3975	0.4030	Ave		0.3741				13.0		30.0			
m,p-Xylene	+++++ 0.4490	0.3344 0.4630	0.4317 0.4460	0.4312	0.4490	Ave		0.4292				10.0		30.0			
Xylene, o-	+++++ 0.4316	0.3086 0.4424	0.4015 0.4362	0.4128	0.4319	Ave		0.4093				11.0		30.0			
Styrene	+++++ 0.6587	0.3552 0.6810	0.4972 0.6595	0.6067	0.6571	Ave		0.5879				20.0		30.0			
Bromoform	+++++ 0.9746	0.6427 0.9756	0.7707 0.8696	0.8975	0.9796	Ave		0.8729				15.0		30.0			
Cumene	+++++ 1.4353	1.1385 1.4432	1.3416 1.2339	1.4031	1.4782	Ave		1.3534				9.2		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.5717	0.4712 0.5739	0.5790 0.5504	0.5734	0.5915	Ave		0.5587				7.2		30.0			
n-Propylbenzene	+++++ 1.6830	1.3456 1.6402	1.6630 1.3226	1.7003	1.7721	Ave		1.5895				11.0		30.0			
1,2,3-Trichloropropane	+++++ 0.5644	+++++ 0.5588	0.5745 0.5184	0.5767	0.5921	Ave		0.5641				4.5		30.0			
n-Decane	+++++ 0.5825	+++++ 0.5819	0.5406 0.5667	0.5611	0.5945	Ave		0.5712				3.4		30.0			
4-Ethyltoluene	+++++ 1.6248	1.1851 1.6060	1.4112 1.2973	1.4935	1.6378	Ave		1.4651				12.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 280-61460-1 Analy Batch No.: 79551

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/29/2014 17:07 Calibration End Date: 10/29/2014 22:37 Calibration ID: 28416

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.3826	1.1434 1.3627	1.3750 1.1553	1.3604	1.4282	Ave		1.3154				8.8		30.0			
1,3,5-Trimethylbenzene	+++++ 1.2925	1.0051 1.2821	1.2749 1.0485	1.2831	1.3462	Ave		1.2189				11.0		30.0			
Alpha Methyl Styrene	+++++ 0.5786	0.3292 0.6047	0.4599 0.5633	0.4942	0.5957	Ave		0.5179				19.0		30.0			
tert-Butylbenzene	+++++ 1.2770	1.0626 1.2617	1.2601 1.0367	1.2541	1.3138	Ave		1.2094				9.2		30.0			
1,2,4-Trimethylbenzene	+++++ 1.2958	1.1016 1.2713	1.2870 1.0152	1.2855	1.3536	Ave		1.2300				10.0		30.0			
sec-Butylbenzene	+++++ 1.6858	1.4051 1.6426	1.7649 1.2403	1.6995	1.7838	Ave		1.6031				13.0		30.0			
4-Isopropyltoluene	+++++ 1.6523	1.3426 1.6036	1.6100 1.2273	1.5978	1.7086	Ave		1.5346				12.0		30.0			
1,3-Dichlorobenzene	+++++ 1.0013	0.7750 1.0122	0.9537 0.8741	0.9241	0.9970	Ave		0.9339				9.2		30.0			
1,4-Dichlorobenzene	+++++ 1.0073	0.8122 1.0115	0.9063 0.8497	0.9212	0.9959	Ave		0.9292				8.6		30.0			
Benzyl chloride	+++++ 1.1578	0.9707 1.1160	1.0721 0.9036	1.1289	1.1987	Ave		1.0783				9.8		30.0			
n-Butylbenzene	+++++ 1.4354	1.3595 1.3443	1.4555 1.1153	1.4750	1.5307	Ave		1.3880				9.8		30.0			
n-Undecane	+++++ 0.5991	+++++ 0.5857	+++++ 0.5970	0.6647	0.6496	Ave		0.6193				5.7		30.0			
1,2-Dichlorobenzene	+++++ 0.9276	0.7913 0.9226	0.8329 0.7942	0.8629	0.9231	Ave		0.8649				7.0		30.0			
n-Dodecane	+++++ 0.6414	+++++ 0.5947	+++++ 0.5542	0.6196	0.6515	Ave		0.6123				6.4		30.0			
1,2,4-Trichlorobenzene	+++++ 1.0871	+++++ 1.0541	0.6357 0.9507	0.9694	0.9609	Ave		0.9430				17.0		30.0			
Hexachlorobutadiene	+++++ 1.3268	1.4573 1.2626	1.2419 0.9870	1.2662	1.3378	Ave		1.2685				11.0		30.0			
Naphthalene	+++++ 1.7066	+++++ 1.5333	0.5536 1.3451	1.5635	1.3392	Ave		1.3402				31.0	*	30.0			
1,2,3-Trichlorobenzene	+++++ 1.0221	0.8586 0.9615	0.5375 0.8750	0.8782	0.8928	Ave		0.8608				18.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 280-61460-1 Analy Batch No.: 79551

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/29/2014 17:07 Calibration End Date: 10/29/2014 22:37 Calibration ID: 28416

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-79551/3	10262_03.D
Level 2	IC 200-79551/4	10262_04.D
Level 3	IC 200-79551/5	10262_05.D
Level 4	IC 200-79551/6	10262_06.D
Level 5	ICIS 200-79551/7	10262_07.D
Level 6	IC 200-79551/8	10262_08.D
Level 7	IC 200-79551/9	10262_09.D
Level 8	IC 200-79551/10	10262_10.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 128549	+++++ 183656	4289 391636	32559	76433	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 1013718	+++++ 1358355	29508 2638521	267962	610821	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 426017	+++++ 587230	12146 1238008	108137	250663	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 782944	7674 1095524	20563 2335690	193645	456096	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 158817	+++++ 225882	4656 503486	38061	92400	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 270936	+++++ 382821	7767 848852	70348	166926	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	396 215171	2053 308781	5790 692523	56815	131818	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 156172	1282 215135	4032 484898	38986	94001	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 285508	2558 394692	8161 853993	72939	166092	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 115671	+++++ 160098	3247 354913	29816	65786	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 200111	2373 278123	6103 606203	50844	113532	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 258131	2233 367730	6793 830697	63808	141989	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 1036631	10504 1427250	30872 2950173	283772	617232	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 242653	+++++ 349020	6152 778722	59695	135245	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 86048	+++++ 162908	15864 428339	31713	47521	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 280-61460-1 Analy Batch No.: 79551

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/29/2014 17:07 Calibration End Date: 10/29/2014 22:37 Calibration ID: 28416

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 121876	817 176020	2914 392622	29404	66667	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 47766	+++++ 69882	+++++ 162385	10706	26757	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 547058	5115 770789	14528 1716964	137607	307546	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 227662	1857 331449	5563 761232	53236	124075	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 320269	+++++ 416394	+++++ 896771	108047	170853	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 572872	+++++ 749906	13242 1690303	130364	284048	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 216928	+++++ 294907	+++++ 654335	52268	116191	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 197241	1311 281055	4356 636333	47546	109095	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 91356	+++++ 128490	+++++ 285158	22726	51270	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 215389	+++++ 306019	6863 666724	55941	123884	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 426214	+++++ 596516	+++++ 1341310	100951	232821	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 750515	5307 1083462	16614 2421265	175567	414692	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 317351	2570 456213	7856 1039891	77726	177133	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 104676	+++++ 152625	2485 353810	25083	57786	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 247137	1816 359472	5289 825506	56613	133606	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	832 368819	3007 539399	9524 1214375	87955	202035	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 441154	+++++ 635065	+++++ 1417586	99967	242145	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 230574	1820 343239	5390 807398	52301	125234	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 89800	+++++ 128641	2314 302039	20775	45468	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 16897	+++++ 25198	+++++ 57397	3602	8713	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 157071	+++++ 226575	+++++ 513405	36124	85599	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 280-61460-1 Analy Batch No.: 79551

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/29/2014 17:07 Calibration End Date: 10/29/2014 22:37 Calibration ID: 28416

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 588785	5152 849784	14364 1911593	138646	320482	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 271791	1788 407928	5901 976832	59450	143892	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 821903	6885 1174037	19265 2595013	191352	450873	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	1941 973468	7792 1374681	23350 2974228	232633	543270	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 769791	5065 1153135	15692 2724116	167891	407890	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 562594	4478 840657	12898 2009449	122771	291557	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 477682	3995 687612	11547 1533399	109585	264307	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 266064	1693 388372	5434 920346	58547	141819	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 73738	+++++ 106483	+++++ 272967	14843	35840	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	311 325597	2161 488361	6649 1176243	69752	169977	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 171999	1057 260411	3582 630146	35001	89677	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 187956	+++++ 286462	2928 698267	36242	93921	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 83974	+++++ 123564	+++++ 298438	18327	41927	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 417210	2660 644202	7677 1578979	79805	201439	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 699070	4455 1027440	13859 2373210	143937	368755	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 361055	2104 543322	7133 1320778	69987	184008	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 419425	+++++ 601027	7628 1388306	92034	228847	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 430571	3146 659096	8233 1645719	85805	216223	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 384346	2506 558246	7732 1329399	85018	205581	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 461478	3249 683745	8923 1635470	92638	238985	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 213667	1243 323830	4196 802054	43936	108966	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 280-61460-1 Analy Batch No.: 79551

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/29/2014 17:07 Calibration End Date: 10/29/2014 22:37 Calibration ID: 28416

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	1073 629106	3867 978912	11818 2410334	120055	313611	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 429249	+++++ 612238	8280 1423130	94310	235711	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 795495	4449 1189678	13744 2823797	156688	406101	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 504668	2945 768894	8969 1897544	96502	255140	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 679533	4801 1051137	13499 2608384	134498	343825	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 1151441	7277 1733470	21912 4015760	233508	601746	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 393262	2190 589278	7722 1458549	80950	204452	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 899352	5455 1394250	16993 3484592	175611	455512	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 432179	2517 666173	7901 1703907	84046	219102	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 659651	2897 1025404	9785 2576009	123530	333330	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 975965	5241 1469131	15167 3397035	182751	496964	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 1437288	9285 2173142	26401 4819824	285699	749875	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 572461	3843 864138	11395 2149915	116758	300052	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 1685377	10974 2469757	32727 5166569	346224	898971	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 565215	+++++ 841447	11306 2024895	117420	300382	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 583306	+++++ 876184	10638 2213808	114261	301579	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 1627116	9665 2418343	27772 5067482	304113	830833	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 1384576	9325 2051909	27059 4512809	277019	724513	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 1294309	8197 1930511	25089 4095733	261265	682929	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 579403	2685 910550	9051 2200371	100628	302206	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 1278795	8666 1899867	24798 4049468	255365	666468	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 280-61460-1 Analy Batch No.: 79551

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/29/2014 17:07 Calibration End Date: 10/29/2014 22:37 Calibration ID: 28416

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 1297645	8984 1914315	25328 3965804	261754	686678	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 1688191	11459 2473498	34733 4844987	346053	904894	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 1654621	10949 2414678	31684 4794200	325359	866753	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 1002745	6320 1524158	18769 3414563	188179	505759	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 1008762	6624 1523156	17836 3319116	187582	505207	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 1159488	7916 1680444	21099 3529803	229873	608095	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 1437463	11087 2024202	28643 4356652	300345	776516	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 599978	+++++ 882015	+++++ 2332253	135356	329536	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 928875	6453 1389313	16390 3102423	175702	468270	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 642291	+++++ 895554	+++++ 2164837	126166	330521	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 1088687	+++++ 1587257	12511 3713580	197403	487432	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 1328648	11885 1901276	24439 3855349	257837	678662	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 1709030	+++++ 2308853	10894 5254408	318358	679342	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 1023573	7002 1447774	10578 3418056	178818	452890	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_03.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 29-Oct-2014 17:07:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010262-003
Misc. Info.: level 1
Operator ID: pad Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 31-Oct-2014 09:54:54 Calib Date: 29-Oct-2014 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: daiglep Date: 30-Oct-2014 15:45:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		2.991					ND	
2 Dichlorodifluoromethane	85	3.060	3.060	0.000	98	3132	0.0401	0.0655	
6 Chlorodifluoromethane	51	3.119	3.119	0.000	96	1259	0.0401	0.0625	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.343	3.332	0.011	79	1948	0.0401	0.0534	
8 Chloromethane	50	3.476	3.476	0.000	6	583	0.0401	0.0768	
9 Butane	43	3.685	3.679	0.006	31	747	0.0401	0.0567	
10 Vinyl chloride	62	3.733	3.727	0.006	1	396	0.0401	0.0385	
11 Butadiene	54	3.813	3.807	0.006	9	189	0.0401	0.0264	
12 Bromomethane	94	4.522	4.512	0.010	33	743	0.0401	0.0555	
13 Chloroethane	64		4.757					ND	
14 2-Methylbutane	43	4.848	4.837	0.011	1	229	0.0401	0.0232	
15 Vinyl bromide	106	5.158	5.163	-0.005	10	569	0.0401	0.0480	
16 Trichlorofluoromethane	101	5.259	5.269	-0.010	69	2878	0.0401	0.0573	
17 Pentane	43	5.419	5.419	0.000	10	517	0.0401	0.0459	
19 Ethanol	45		5.915					ND	
21 Ethyl ether	59		5.969					ND	
22 Acrolein	56		6.374					ND	
23 1,1,2-Trichloro-1,2,2-trif	101	6.396	6.390	0.006	39	1225	0.0401	0.0481	
24 1,1-Dichloroethene	96	6.422	6.428	-0.006	1	186	0.0401	0.0182	
25 Acetone	43	6.737	6.700	0.037	85	4124	0.0401	0.2754	
26 Carbon disulfide	76	6.807	6.806	0.001	1	894	0.0401	0.0363	
27 Isopropyl alcohol	45		7.036					ND	
29 3-Chloro-1-propene	41		7.249					ND	
30 Acetonitrile	41		7.404					ND	
31 Methylene Chloride	49	7.554	7.554	0.000	46	1417	0.0401	0.1341	
32 2-Methyl-2-propanol	59		7.815					ND	
33 Methyl tert-butyl ether	73	7.991	7.970	0.021	1	1228	0.0401	0.0377	
34 trans-1,2-Dichloroethene	61	7.997	7.997	0.000	1	369	0.0401	0.0257	
35 Acrylonitrile	53		8.178					ND	
36 Hexane	57		8.386					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.888	8.893	-0.005	1	832	0.0401	0.0482	M
38 Vinyl acetate	43	8.995	8.989	0.006	55	325	0.0401	0.0165	
39 cis-1,2-Dichloroethene	96	10.041	10.035	0.006	1	298	0.0401	0.0289	
40 2-Butanone (MEK)	72		10.105					ND	
42 Ethyl acetate	88		10.153					ND	
S 41 1,2-Dichloroethene, Total	61				0		0.0802	0.0546	
* 43 Chlorobromomethane	128	10.505	10.510	-0.005	70	112142	10.0	10.0	
44 Tetrahydrofuran	42		10.521					ND	
45 Chloroform	83	10.655	10.654	0.001	11	883	0.0401	0.0332	
46 Cyclohexane	84		10.868					ND	
47 1,1,1-Trichloroethane	97	10.911	10.916	-0.005	1	454	0.0401	0.0127	
48 Carbon tetrachloride	117	11.162	11.161	0.001	40	1941	0.0401	0.0451	
51 Isooctane	57		11.610					ND	
50 Benzene	78	11.626	11.642	-0.016	1	419	0.0401	0.0173	
52 1,2-Dichloroethane	62		11.844					ND	
53 n-Heptane	43		12.015					ND	
* 54 1,4-Difluorobenzene	114	12.512	12.517	-0.005	95	445893	10.0	10.0	
55 n-Butanol	56		12.955					ND	
56 Trichloroethene	95	12.971	12.976	-0.005	1	311	0.0401	0.0243	M
A 57 GRO	1	13.139	(4.827-21.450)		0	219588	0.0401	0	
58 1,2-Dichloropropane	63		13.558					ND	
59 Methyl methacrylate	69		13.744					ND	
60 1,4-Dioxane	88		13.803					ND	
61 Dibromomethane	174	13.814	13.819	-0.005	2	574	0.0401	0.0343	
62 Dichlorobromomethane	83	14.124	14.123	0.001	1	669	0.0401	0.0236	
A 63 TVOC as Toluene	1	14.844	(2.981-26.707)		0	741175	0.0401	39.6	
64 cis-1,3-Dichloropropene	75	15.073	15.073	0.000	1	150	0.0401	0.0104	
65 4-Methyl-2-pentanone (MIBK	43		15.378					ND	
66 Toluene	92	15.655	15.660	-0.005	1	278	0.0401	0.0167	
A 67 Toluene Range	1	15.660	(15.620-15.700)		0	1745	NC	NC	
68 n-Octane	43	15.725	15.719	0.006	1	325	0.0401	0.0205	
A 69 C8 Range	1	15.956	(15.718-16.219)		0	1081	NC	NC	
70 trans-1,3-Dichloropropene	75	16.269	16.279	-0.010	47	610	0.0401	0.0324	
71 1,1,2-Trichloroethane	83		16.653					ND	
72 Tetrachloroethene	166	16.739	16.738	0.001	1	1073	0.0401	0.0445	M
73 2-Hexanone	43	17.107	17.112	-0.005	1	93	0.0401	0.005510	
74 Chlorodibromomethane	129	17.406	17.411	-0.005	1	1050	0.0401	0.0361	
75 Ethylene Dibromide	107	17.667	17.672	-0.005	22	804	0.0401	0.0430	
* 76 Chlorobenzene-d5	117	18.569	18.569	0.000	94	397445	10.0	10.0	
77 Chlorobenzene	112	18.639	18.628	0.011	0	940	0.0401	0.0355	
78 Ethylbenzene	91	18.788	18.782	0.006	90	1902	0.0401	0.0437	
79 n-Nonane	57	18.905	18.905	0.000	77	345	0.0401	0.0232	
81 m-Xylene & p-Xylene	106	19.039	19.033	0.006	0	631	0.0802	0.0370	
83 o-Xylene	106	19.866	19.871	-0.005	1	551	0.0401	0.0339	
84 Styrene	104	19.919	19.925	-0.006	1	669	0.0401	0.0286	
S 82 Xylenes, Total	106				0		0.1203	0.0709	
85 Bromoform	173	20.346	20.346	0.000	16	1249	0.0401	0.0360	
86 Isopropylbenzene	105	20.538	20.549	-0.011	90	2412	0.0401	0.0448	
88 1,1,2,2-Tetrachloroethane	83	21.200	21.205	-0.005	89	1321	0.0401	0.0595	
90 N-Propylbenzene	91	21.264	21.264	0.000	97	3466	0.0401	0.0549	
89 1,2,3-Trichloropropane	75		21.296					ND	
93 n-Decane	57	21.440	21.440	0.000	59	1154	0.0401	0.0508	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 4-Ethyltoluene	105	21.451	21.451	0.000	94	2742	0.0401	0.0471	
92 2-Chlorotoluene	91	21.456	21.456	0.000	82	2904	0.0401	0.0555	
94 1,3,5-Trimethylbenzene	105	21.547	21.558	-0.011	88	2580	0.0401	0.0533	
95 Alpha Methyl Styrene	118	21.926	21.921	0.005	83	901	0.0401	0.0438	
96 tert-Butylbenzene	119	22.054	22.043	0.011	82	1465	0.0401	0.0305	
97 1,2,4-Trimethylbenzene	105	22.134	22.139	-0.005	94	3044	0.0401	0.0623	
98 sec-Butylbenzene	105	22.364	22.364	0.000	94	3871	0.0401	0.0608	
99 4-Isopropyltoluene	119	22.567	22.566	0.000	89	3779	0.0401	0.0620	
100 1,3-Dichlorobenzene	146	22.588	22.593	-0.005	86	2467	0.0401	0.0665	
101 1,4-Dichlorobenzene	146	22.727	22.732	-0.005	86	2811	0.0401	0.0761	
102 Benzyl chloride	91	22.935	22.929	0.006	93	3226	0.0401	0.0753	
103 n-Butylbenzene	91	23.127	23.132	-0.005	96	4622	0.0401	0.0838	
104 Undecane	57	23.154	23.153	0.001	84	2304	0.0401	0.0936	
105 1,2-Dichlorobenzene	146	23.266	23.260	0.006	91	2772	0.0401	0.0806	
106 Dodecane	57	24.728	24.728	0.000	81	4169	0.0401	0.1713	
107 1,2,4-Trichlorobenzene	180	25.737	25.742	-0.005	91	4821	0.0401	0.1286	
108 Hexachlorobutadiene	225	25.923	25.923	0.000	88	8241	0.0401	0.1635	
109 Naphthalene	128	26.228	26.227	0.001	96	7072	0.0401	0.1328	
110 1,2,3-Trichlorobenzene	180	26.697	26.697	0.000	91	5282	0.0401	0.1544	
$ 87 4-Bromofluorobenzene	95	20.912	20.917	-0.005	90	357775	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard
NC - Not Calibrated
ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00114	Amount Added: 40.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

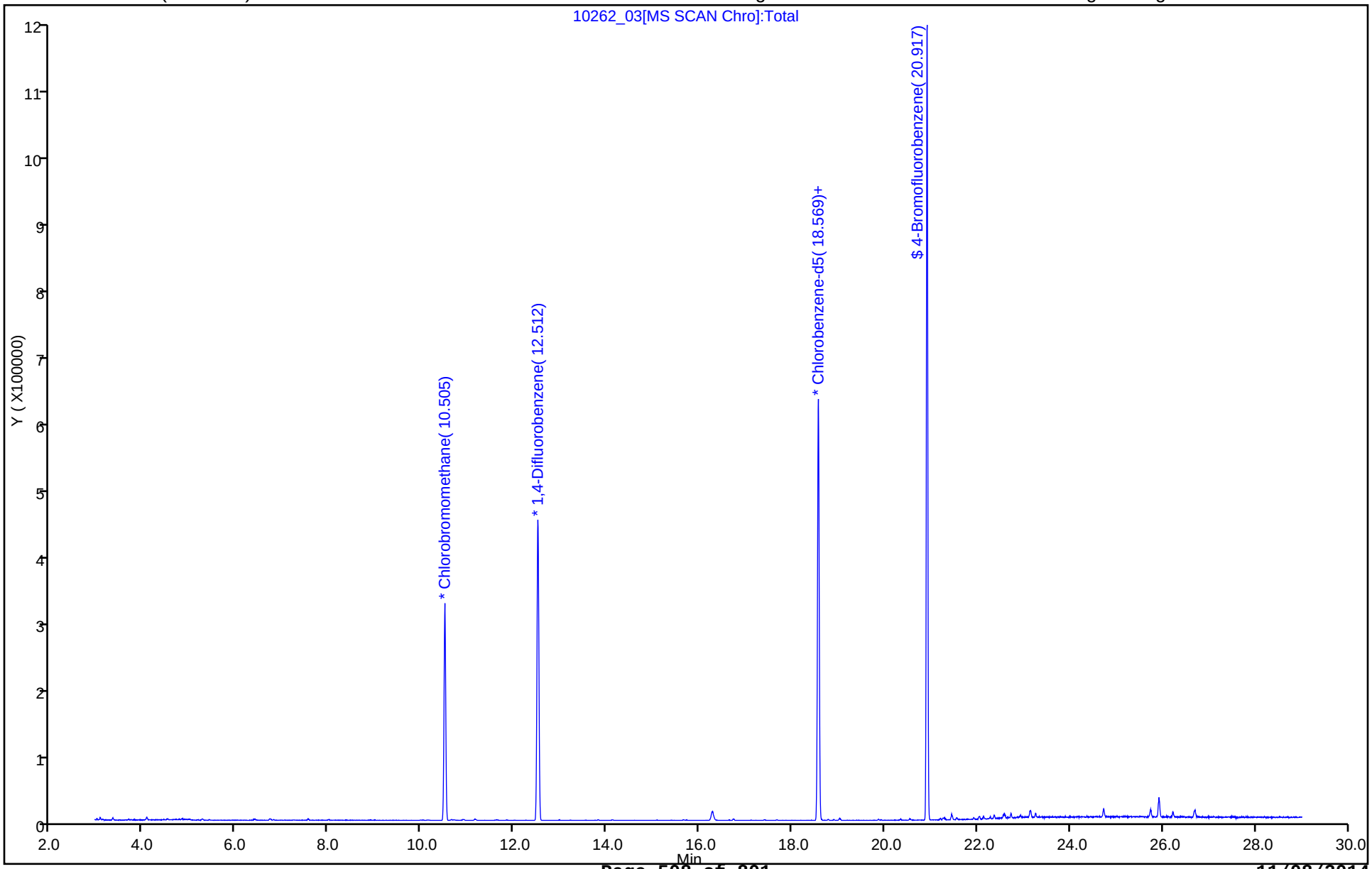
Report Date: 31-Oct-2014 09:54:54 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_03.D

Injection Date:	29-Oct-2014 17:07:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_03.D				
Injection Date:	29-Oct-2014 17:07:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	3	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

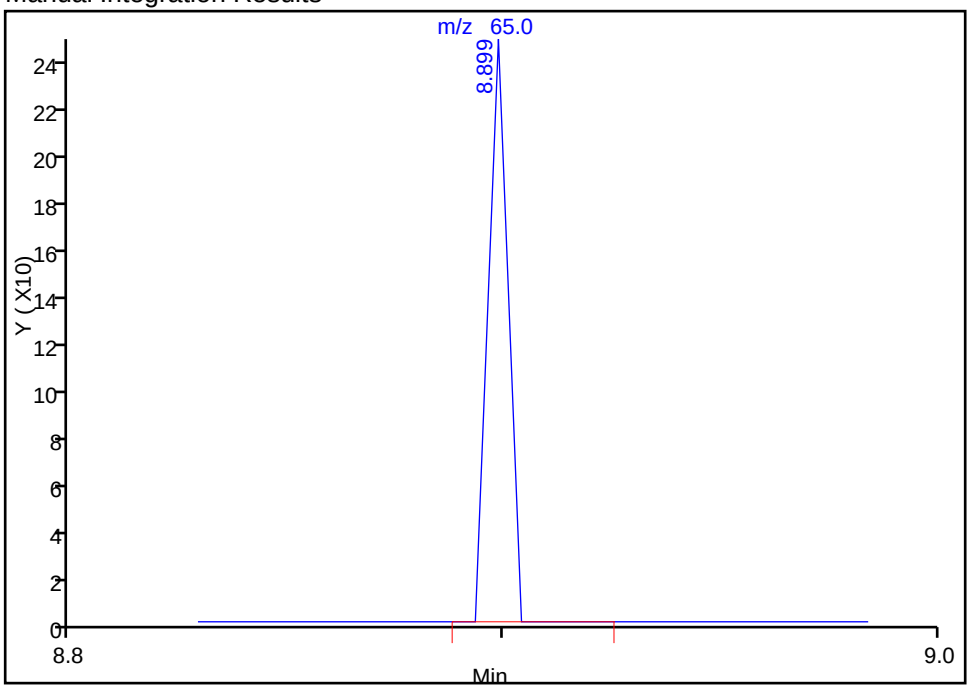
37 1,1-Dichloroethane, CAS: 75-34-3

Processing Integration Results

RT: 8.89
Response: 0
Amount: 0.048153

Manual Integration Results

RT: 8.90
Response: 78
Amount: 0.048153



Reviewer: daiglep, 30-Oct-2014 15:45:00
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

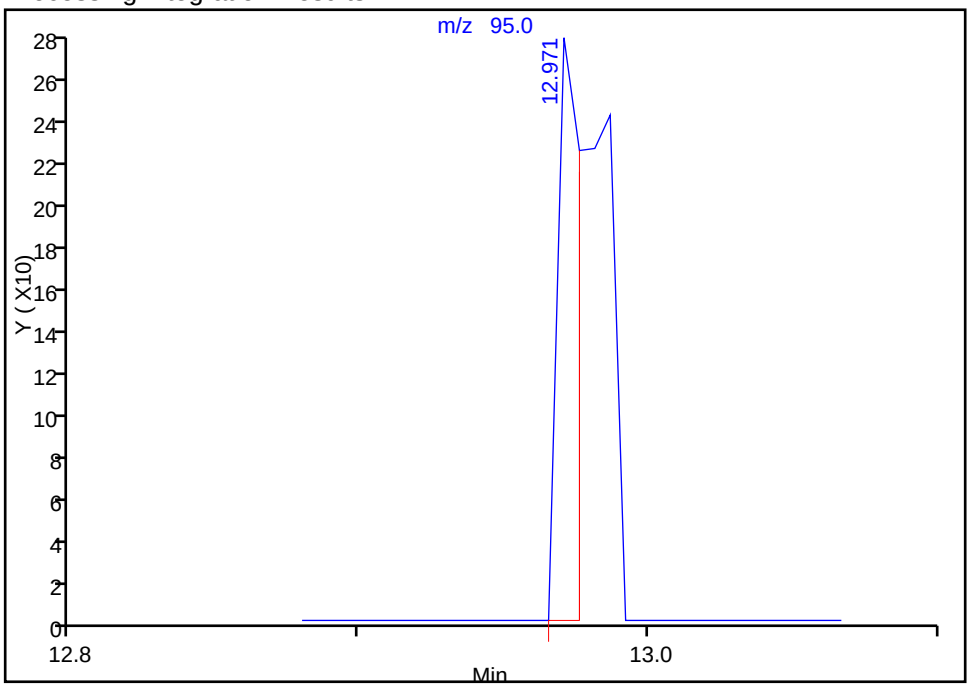
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_03.D				
Injection Date:	29-Oct-2014 17:07:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	3	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

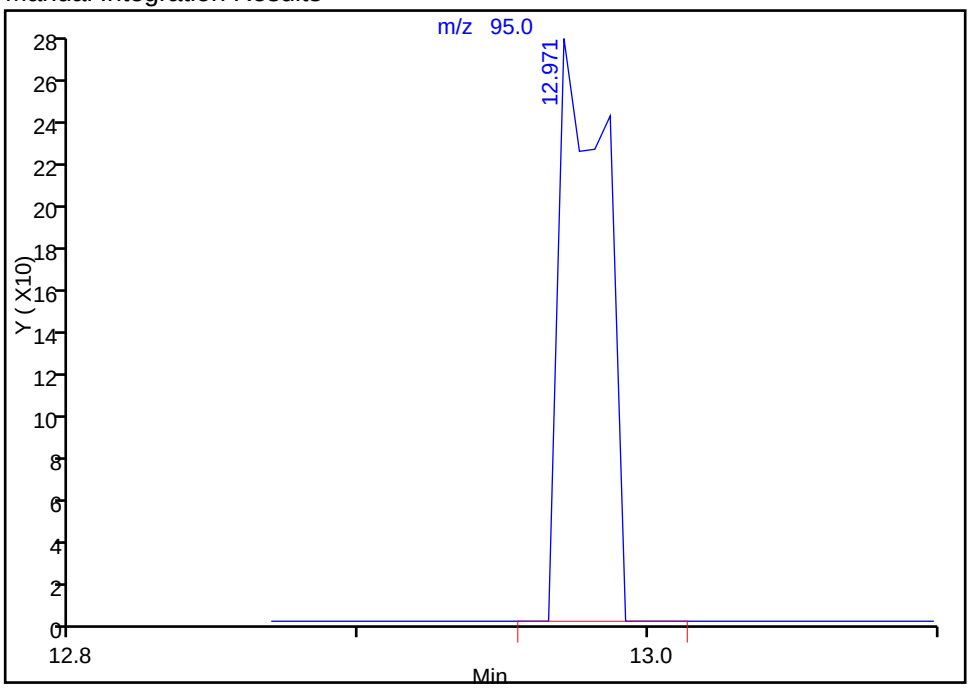
Processing Integration Results

RT: 12.97
Response: 162
Amount: 0.013137



Manual Integration Results

RT: 12.97
Response: 311
Amount: 0.024303



Reviewer: daiglep, 30-Oct-2014 15:45:00
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

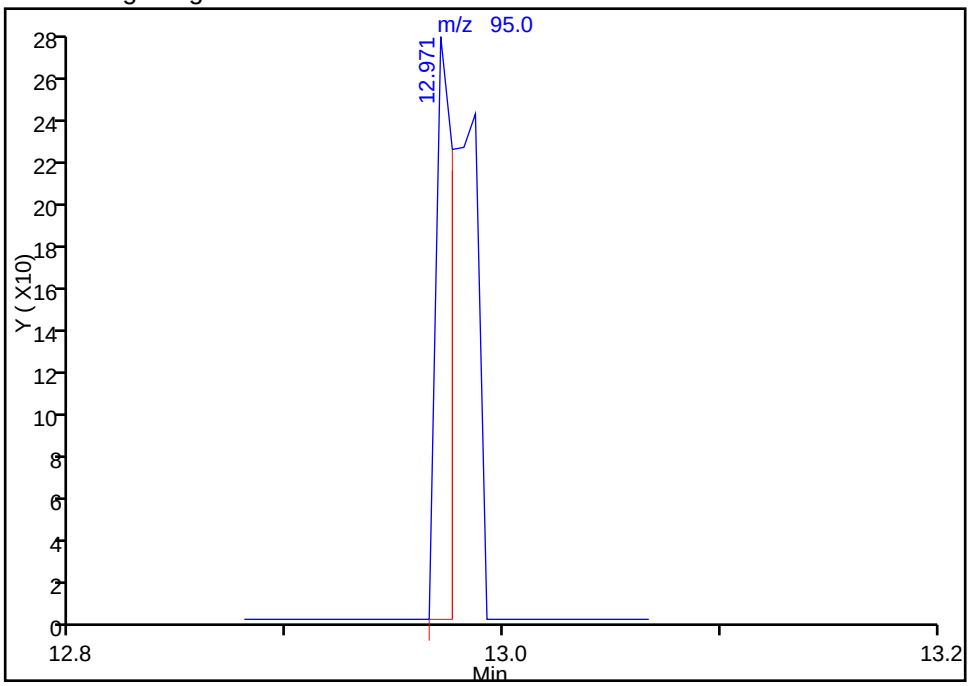
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_03.D				
Injection Date:	29-Oct-2014 17:07:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	3	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

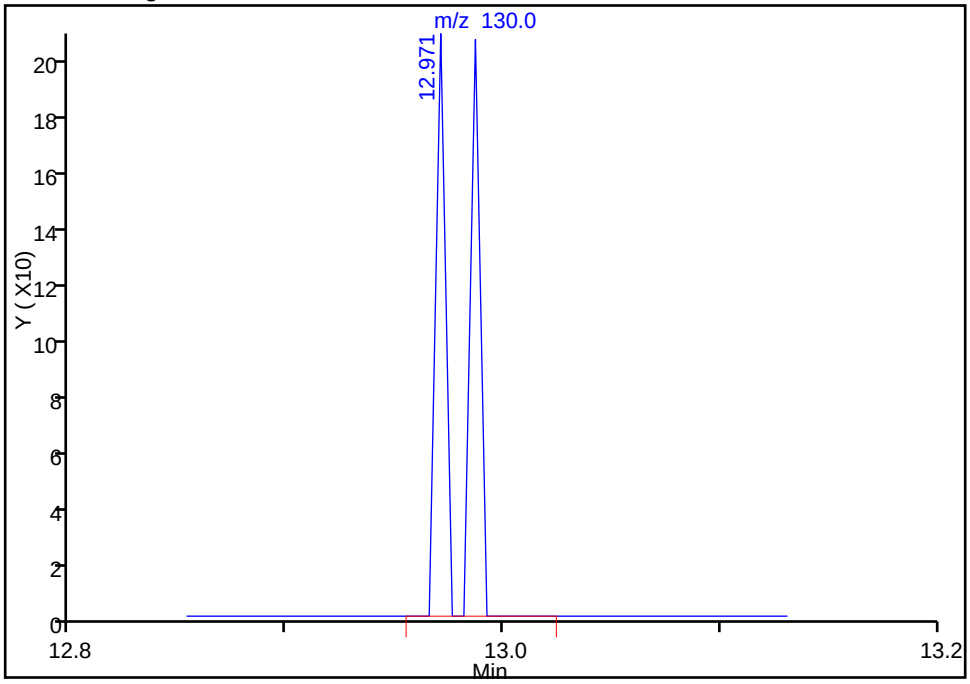
Processing Integration Results

RT: 12.98
Response: 0
Amount: 0.013137



Manual Integration Results

RT: 12.97
Response: 129
Amount: 0.024303



Reviewer: daiglep, 30-Oct-2014 15:45:00
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

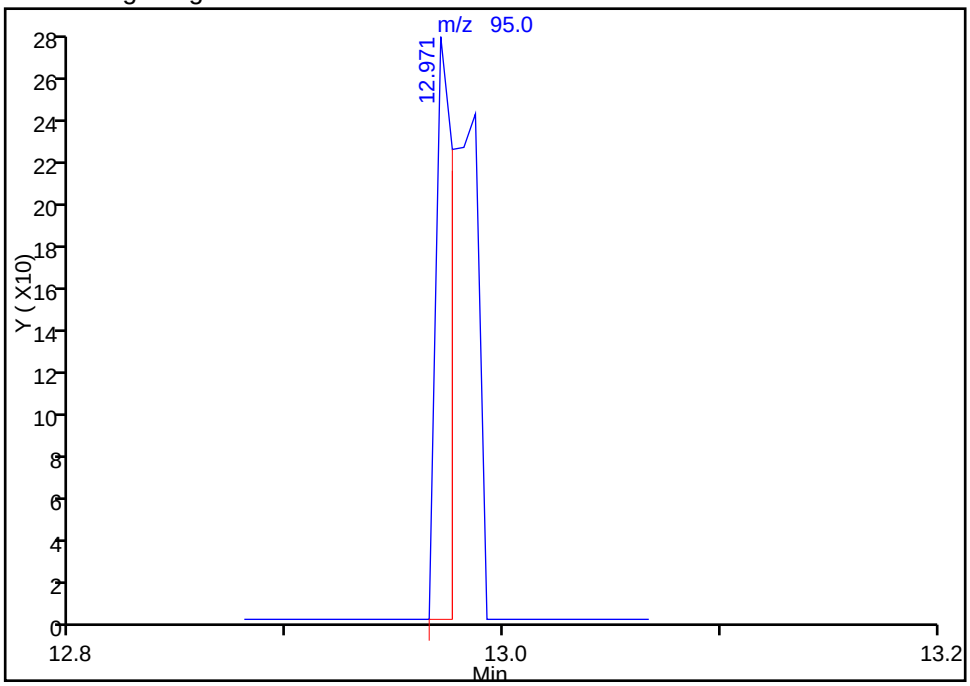
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_03.D				
Injection Date:	29-Oct-2014 17:07:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	3	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

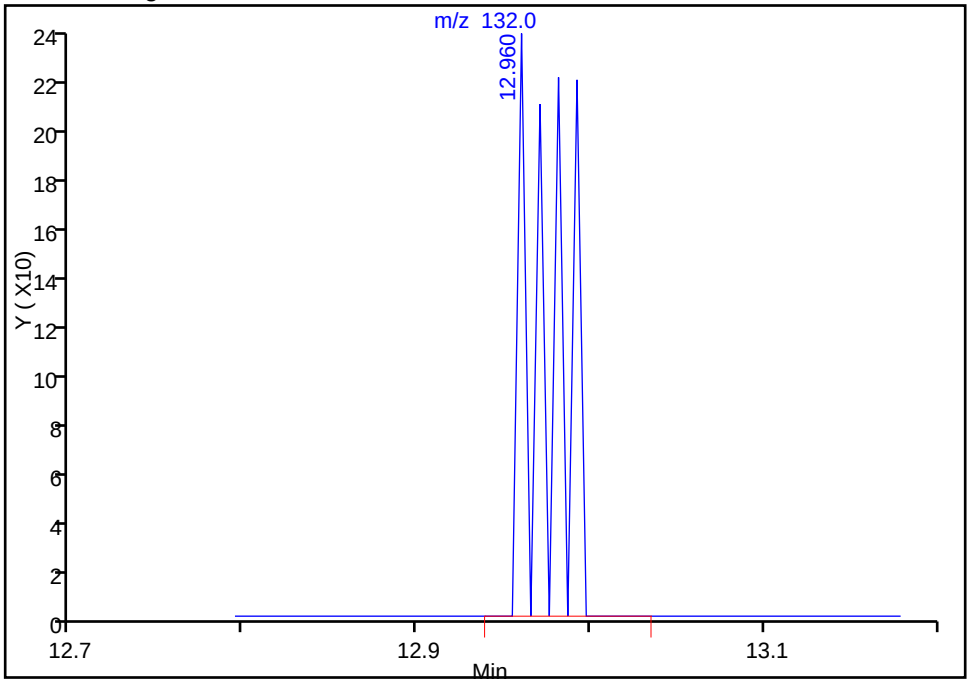
Processing Integration Results

RT: 12.98
Response: 0
Amount: 0.013137



Manual Integration Results

RT: 12.96
Response: 285
Amount: 0.024303



Reviewer: daiglep, 30-Oct-2014 15:45:00
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

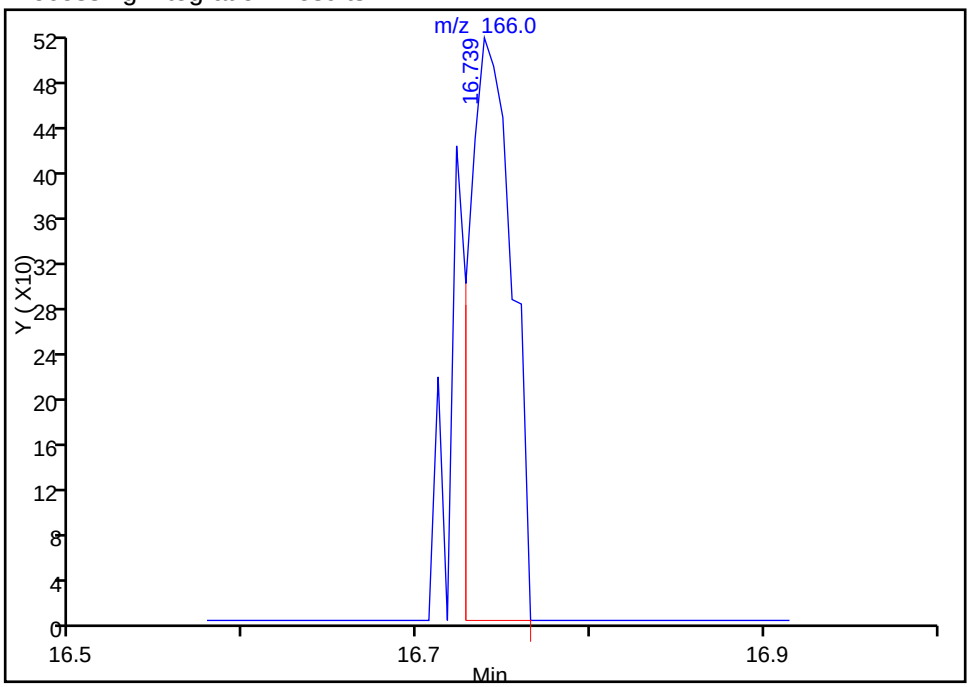
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_03.D				
Injection Date:	29-Oct-2014 17:07:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	3	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4

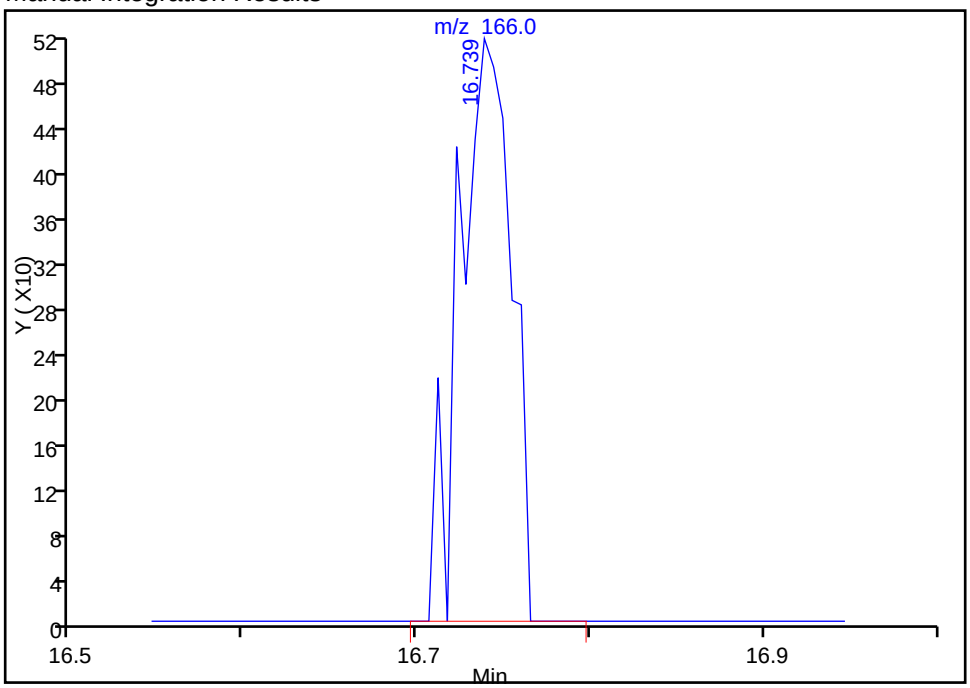
Processing Integration Results

RT: 16.74
Response: 871
Amount: 0.037109



Manual Integration Results

RT: 16.74
Response: 1073
Amount: 0.044520



Reviewer: daiglep, 30-Oct-2014 15:45:00
Audit Action: Manually Integrated
Audit Reason: Baseline Event

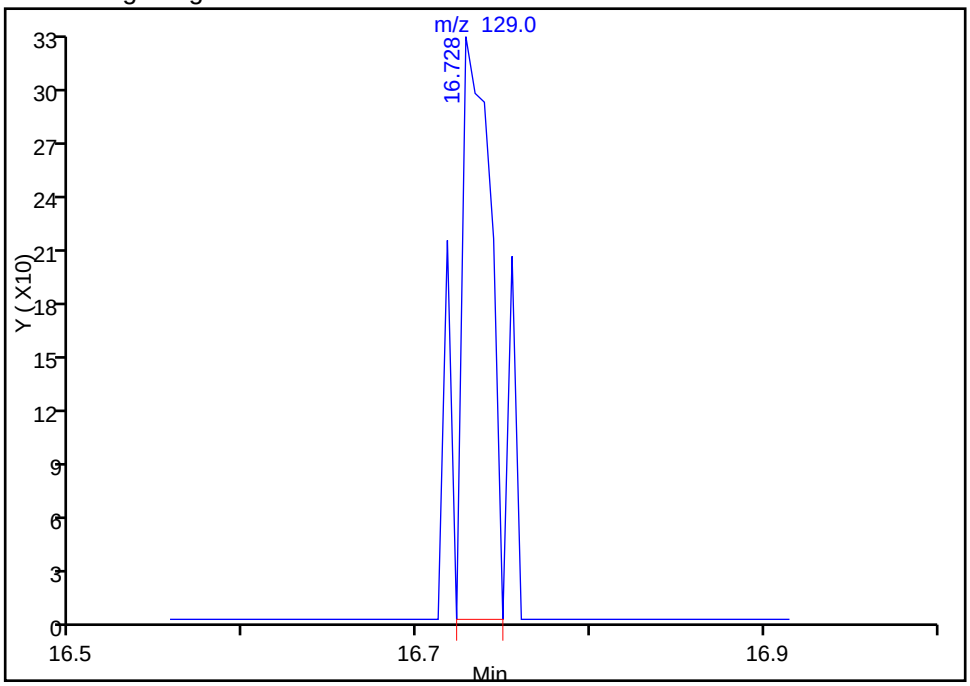
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_03.D
Injection Date: 29-Oct-2014 17:07:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

72 Tetrachloroethene, CAS: 127-18-4

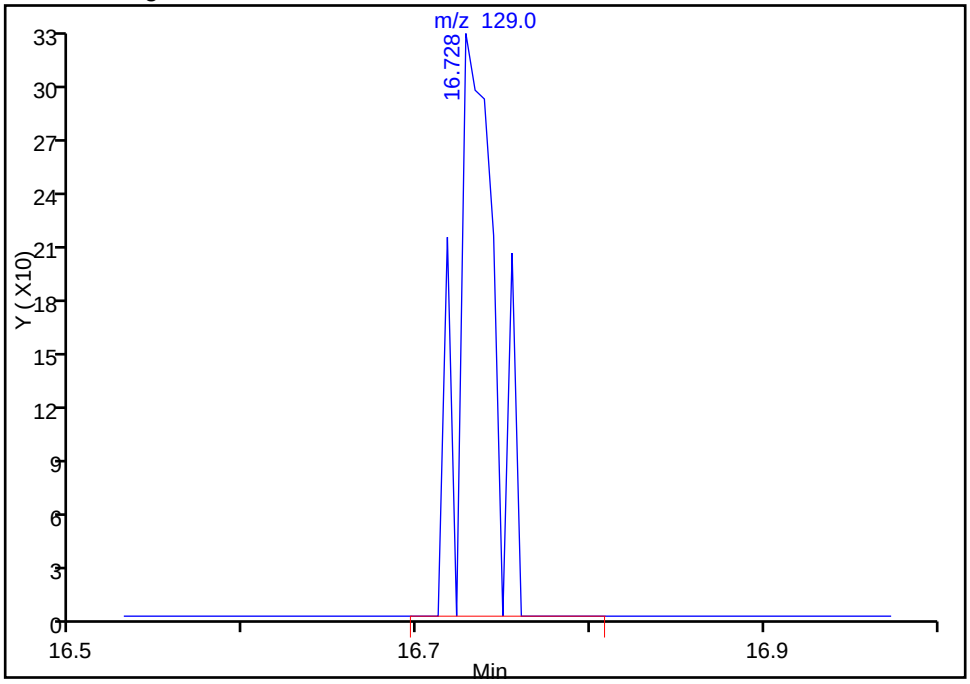
Processing Integration Results

RT: 16.73
Response: 363
Amount: 0.037109



Manual Integration Results

RT: 16.73
Response: 497
Amount: 0.044520



Reviewer: daiglep, 30-Oct-2014 15:45:00
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 29-Oct-2014 17:54:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010262-004
Misc. Info.: level 2
Operator ID: pad Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 31-Oct-2014 09:59:35 Calib Date: 29-Oct-2014 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: daiglep Date: 30-Oct-2014 15:45:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.991	2.991	0.000	89	1647	0.2004	0.2499	
2 Dichlorodifluoromethane	85	3.060	3.060	0.000	99	10691	0.2004	0.2159	
6 Chlorodifluoromethane	51	3.119	3.119	0.000	94	4420	0.2004	0.2121	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.332	3.332	0.000	87	7674	0.2004	0.2033	
8 Chloromethane	50	3.476	3.476	0.000	97	2013	0.2004	0.2564	M
9 Butane	43	3.679	3.679	0.000	91	3031	0.2004	0.2225	
10 Vinyl chloride	62	3.733	3.727	0.006	94	2053	0.2004	0.1930	
11 Butadiene	54	3.802	3.807	-0.005	62	1282	0.2004	0.1732	
12 Bromomethane	94	4.517	4.512	0.005	88	2558	0.2004	0.1848	
13 Chloroethane	64	4.757	4.757	0.000	81	1023	0.2004	0.1805	M
14 2-Methylbutane	43	4.837	4.837	0.000	77	2373	0.2004	0.2325	
15 Vinyl bromide	106	5.163	5.163	0.000	93	2233	0.2004	0.1819	
16 Trichlorofluoromethane	101	5.270	5.269	0.001	96	10504	0.2004	0.2023	
17 Pentane	43	5.424	5.419	0.005	54	2256	0.2004	0.1934	M
19 Ethanol	45	5.931	5.915	0.016	49	1329	0.4009	0.4617	
21 Ethyl ether	59	5.990	5.969	0.021	45	817	0.2004	0.1479	
22 Acrolein	56		6.374					ND	
23 1,1,2-Trichloro-1,2,2-trif	101	6.385	6.390	-0.005	59	5115	0.2004	0.1940	M
24 1,1-Dichloroethene	96	6.433	6.428	0.005	82	1857	0.2004	0.1752	
25 Acetone	43	6.716	6.700	0.016	83	14347	0.2004	0.9260	
26 Carbon disulfide	76	6.796	6.806	-0.010	63	5127	0.2004	0.2012	M
27 Isopropyl alcohol	45	7.063	7.036	0.027	37	1625	0.2004	0.1649	
29 3-Chloro-1-propene	41	7.244	7.249	-0.005	1	1311	0.2004	0.1486	M
30 Acetonitrile	41	7.410	7.404	0.006	59	958	0.2004	0.2242	M
31 Methylene Chloride	49	7.543	7.554	-0.011	81	2954	0.2004	0.2703	M
32 2-Methyl-2-propanol	59	7.847	7.815	0.032	33	2778	0.2004	0.1416	M
33 Methyl tert-butyl ether	73	7.997	7.970	0.027	92	5307	0.2004	0.1574	
34 trans-1,2-Dichloroethene	61	7.997	7.997	0.000	90	2570	0.2004	0.1727	
35 Acrylonitrile	53	8.173	8.178	-0.005	36	611	0.2004	0.1224	M
36 Hexane	57	8.402	8.386	0.016	81	1816	0.2004	0.1638	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.888	8.893	-0.005	95	3007	0.2004	0.1682	M
38 Vinyl acetate	43	8.989	8.989	0.000	68	2331	0.2004	0.1146	M
39 cis-1,2-Dichloroethene	96	10.025	10.035	-0.010	95	1820	0.2004	0.1706	M
40 2-Butanone (MEK)	72	10.126	10.105	0.021	62	917	0.2004	0.2161	
42 Ethyl acetate	88		10.153					ND	
S 41 1,2-Dichloroethene, Total	61				0		0.4009	0.3433	
* 43 Chlorobromomethane	128	10.505	10.510	-0.005	70	116030	10.0	10.0	
44 Tetrahydrofuran	42	10.564	10.521	0.043	24	1116	0.2004	0.1618	
45 Chloroform	83	10.649	10.654	-0.005	95	5152	0.2004	0.1871	M
46 Cyclohexane	84	10.879	10.868	0.011	64	1788	0.2004	0.1536	M
47 1,1,1-Trichloroethane	97	10.911	10.916	-0.005	96	6885	0.2004	0.1894	M
48 Carbon tetrachloride	117	11.162	11.161	0.001	85	7792	0.2004	0.1779	
51 Isooctane	57	11.610	11.610	0.000	79	5065	0.2004	0.1555	
50 Benzene	78	11.637	11.642	-0.005	92	4478	0.2004	0.1811	
52 1,2-Dichloroethane	62	11.834	11.844	-0.010	92	3995	0.2004	0.1878	
53 n-Heptane	43	12.021	12.015	0.006	44	1693	0.2004	0.1516	M
* 54 1,4-Difluorobenzene	114	12.517	12.517	0.000	95	454184	10.0	10.0	
55 n-Butanol	56		12.955					ND	
56 Trichloroethene	95	12.976	12.976	0.000	84	2161	0.2004	0.1658	
A 57 GRO	1	13.139	(4.827-21.450)		0	813479	0.2004	0	
58 1,2-Dichloropropane	63	13.547	13.558	-0.011	0	1057	0.2004	0.1468	M
59 Methyl methacrylate	69		13.744					ND	
60 1,4-Dioxane	88		13.803					ND	
61 Dibromomethane	174	13.814	13.819	-0.005	83	2660	0.2004	0.1562	M
62 Dichlorobromomethane	83	14.129	14.123	0.006	94	4455	0.2004	0.1545	
A 63 TVOC as Toluene	1	14.844	(2.981-26.707)		0	1692058	0.2004	88.7	
64 cis-1,3-Dichloropropene	75	15.074	15.073	0.001	83	2104	0.2004	0.1427	
65 4-Methyl-2-pentanone (MIBK	43	15.383	15.378	0.005	43	2454	0.2004	0.1373	
66 Toluene	92	15.645	15.660	-0.015	93	3146	0.2004	0.1841	M
A 67 Toluene Range	1	15.660	(15.620-15.700)		0	11368	NC	NC	
68 n-Octane	43	15.725	15.719	0.006	72	2506	0.2004	0.1552	
A 69 C8 Range	1	15.951	(15.718-16.168)		0	10659	NC	NC	
70 trans-1,3-Dichloropropene	75	16.269	16.279	-0.010	44	3249	0.2004	0.1692	M
71 1,1,2-Trichloroethane	83	16.653	16.653	0.000	40	1243	0.2004	0.1496	
72 Tetrachloroethene	166	16.739	16.738	0.001	88	3867	0.2004	0.1567	
73 2-Hexanone	43	17.118	17.112	0.006	36	2734	0.2004	0.1582	
74 Chlorodibromomethane	129	17.400	17.411	-0.011	94	4449	0.2004	0.1495	
75 Ethylene Dibromide	107	17.667	17.672	-0.005	73	2945	0.2004	0.1538	M
* 76 Chlorobenzene-d5	117	18.569	18.569	0.000	94	406870	10.0	10.0	
77 Chlorobenzene	112	18.633	18.628	0.005	1	4801	0.2004	0.1774	
78 Ethylbenzene	91	18.783	18.782	0.001	93	7277	0.2004	0.1633	M
79 n-Nonane	57	18.905	18.905	0.000	81	2190	0.2004	0.1439	
81 m-Xylene & p-Xylene	106	19.028	19.033	-0.005	0	5455	0.4009	0.3124	
83 o-Xylene	106	19.877	19.871	0.006	90	2517	0.2004	0.1512	M
84 Styrene	104	19.919	19.925	-0.006	38	2897	0.2004	0.1211	
S 82 Xylenes, Total	106				0		0.6013	0.4635	
85 Bromoform	173	20.341	20.346	-0.005	94	5241	0.2004	0.1476	
86 Isopropylbenzene	105	20.549	20.549	0.000	96	9285	0.2004	0.1686	
88 1,1,2,2-Tetrachloroethane	83	21.211	21.205	0.006	86	3843	0.2004	0.1691	
90 N-Propylbenzene	91	21.259	21.264	-0.005	97	10974	0.2004	0.1697	
89 1,2,3-Trichloropropane	75	21.302	21.296	0.006	85	4207	0.2004	0.1833	
93 n-Decane	57	21.440	21.440	0.000	79	3419	0.2004	0.1471	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 4-Ethyltoluene	105	21.451	21.451	0.000	88	9665	0.2004	0.1621	
92 2-Chlorotoluene	91	21.456	21.456	0.000	89	9325	0.2004	0.1742	
94 1,3,5-Trimethylbenzene	105	21.558	21.558	0.000	88	8197	0.2004	0.1653	
95 Alpha Methyl Styrene	118	21.915	21.921	-0.006	82	2685	0.2004	0.1274	M
96 tert-Butylbenzene	119	22.044	22.043	0.001	87	8666	0.2004	0.1761	
97 1,2,4-Trimethylbenzene	105	22.134	22.139	-0.005	97	8984	0.2004	0.1795	
98 sec-Butylbenzene	105	22.364	22.364	0.000	94	11459	0.2004	0.1757	
99 4-Isopropyltoluene	119	22.567	22.566	0.001	93	10949	0.2004	0.1754	
100 1,3-Dichlorobenzene	146	22.593	22.593	0.000	84	6320	0.2004	0.1663	
101 1,4-Dichlorobenzene	146	22.732	22.732	0.000	90	6624	0.2004	0.1752	
102 Benzyl chloride	91	22.929	22.929	0.000	94	7916	0.2004	0.1804	
103 n-Butylbenzene	91	23.138	23.132	0.006	95	11087	0.2004	0.1963	
104 Undecane	57	23.154	23.153	0.001	87	5094	0.2004	0.2022	
105 1,2-Dichlorobenzene	146	23.260	23.260	0.000	89	6453	0.2004	0.1834	
106 Dodecane	57	24.723	24.728	-0.005	83	5449	0.2004	0.2187	
107 1,2,4-Trichlorobenzene	180	25.747	25.742	0.005	91	6925	0.2004	0.1805	
108 Hexachlorobutadiene	225	25.923	25.923	0.000	91	11885	0.2004	0.2303	
109 Naphthalene	128	26.222	26.227	-0.005	96	8474	0.2004	0.1554	
110 1,2,3-Trichlorobenzene	180	26.687	26.697	-0.010	90	7002	0.2004	0.1999	
$ 87 4-Bromofluorobenzene	95	20.917	20.917	0.000	90	368311	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard
NC - Not Calibrated
ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00114	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

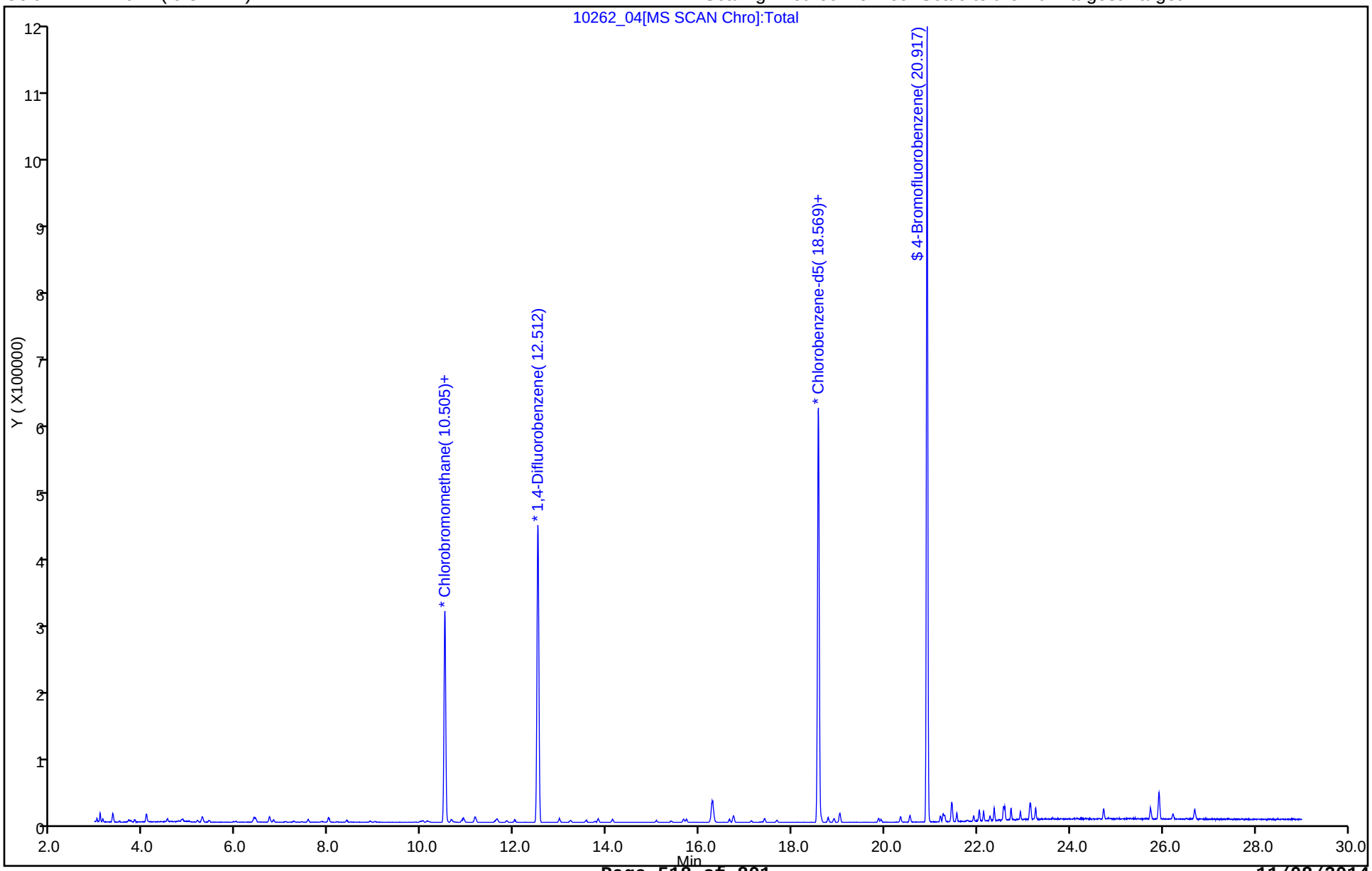
Report Date: 31-Oct-2014 09:59:36 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D

Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

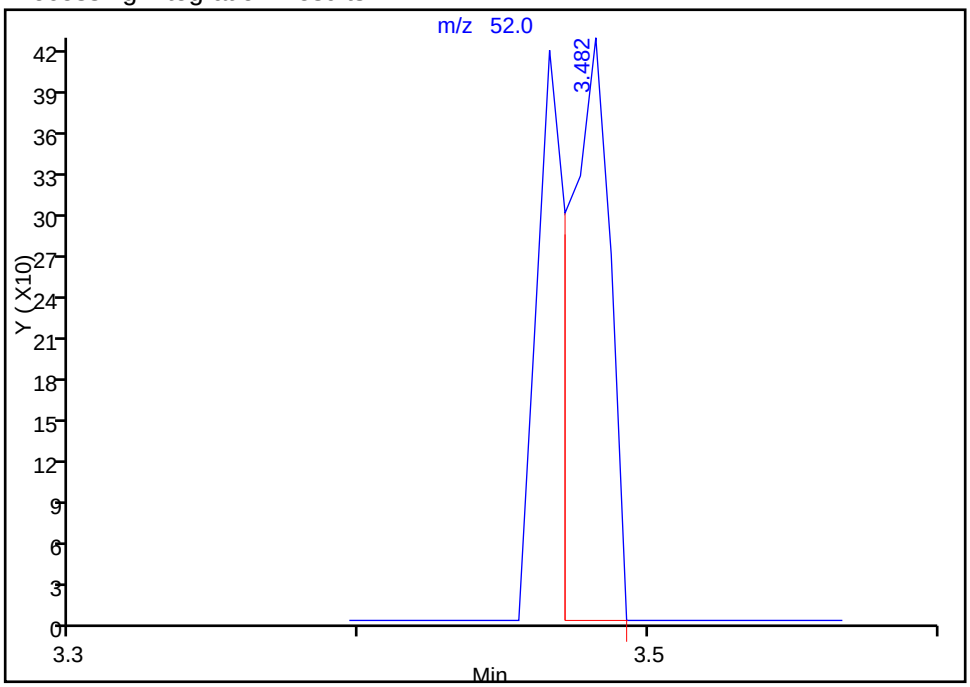
TestAmerica Burlington

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Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

8 Chloromethane, CAS: 74-87-3

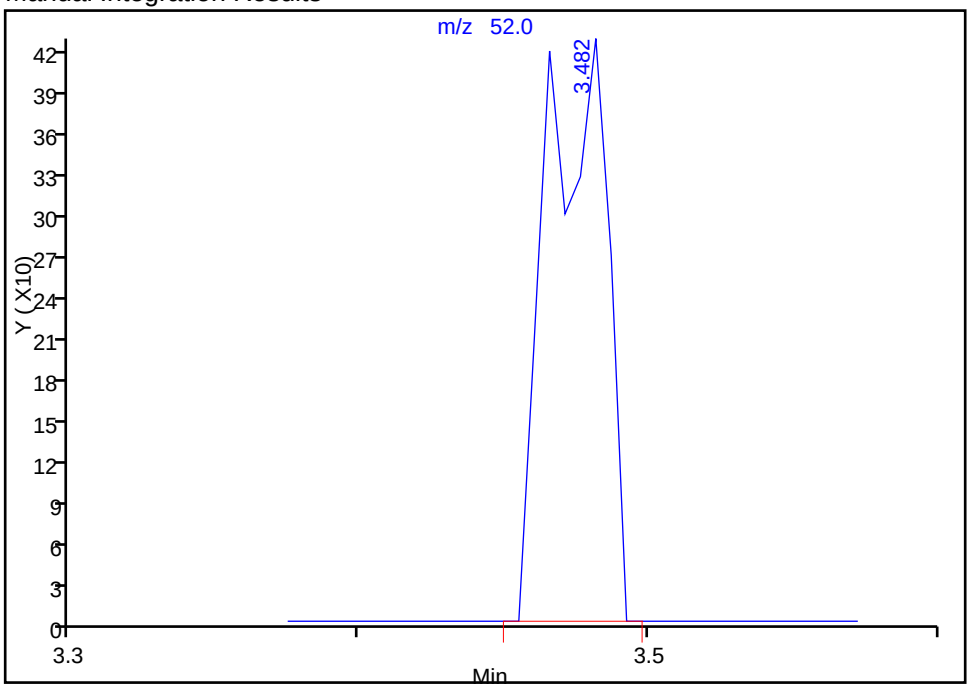
Processing Integration Results

RT: 3.48
Response: 417
Amount: 0.256392



Manual Integration Results

RT: 3.48
Response: 615
Amount: 0.256392



Reviewer: daiglep, 30-Oct-2014 15:50:24
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

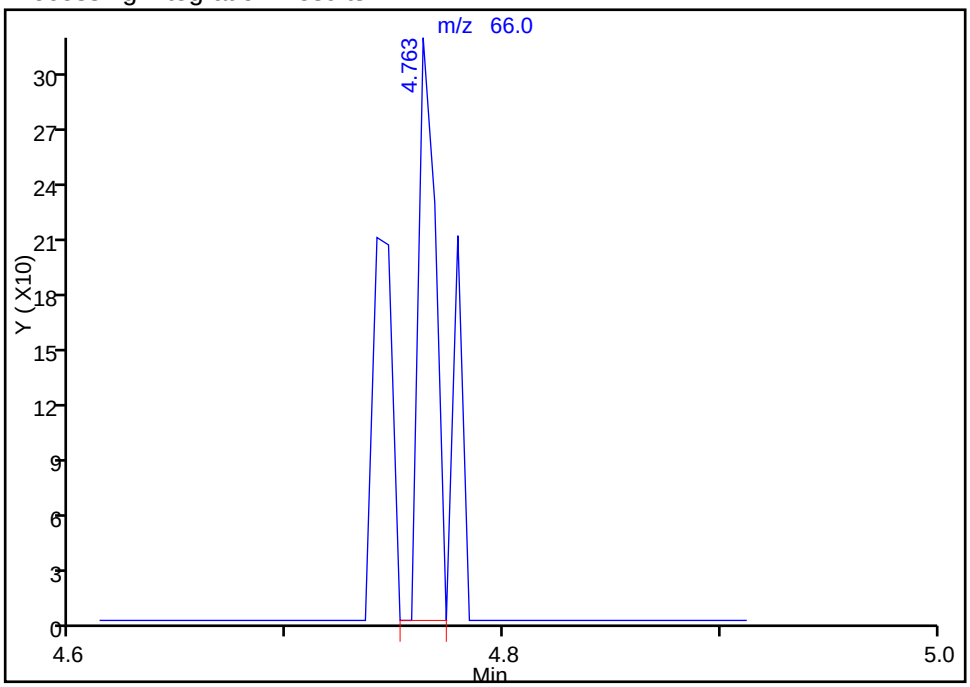
TestAmerica Burlington

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Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

13 Chloroethane, CAS: 75-00-3

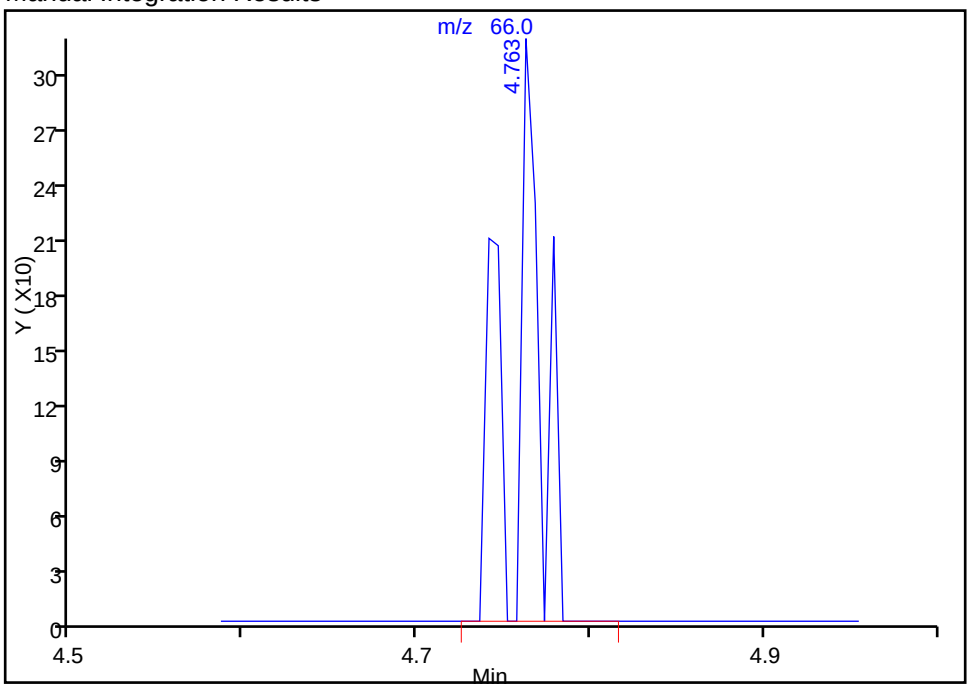
Processing Integration Results

RT: 4.76
Response: 173
Amount: 0.180514



Manual Integration Results

RT: 4.76
Response: 371
Amount: 0.180514



Reviewer: daiglep, 30-Oct-2014 15:50:24
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

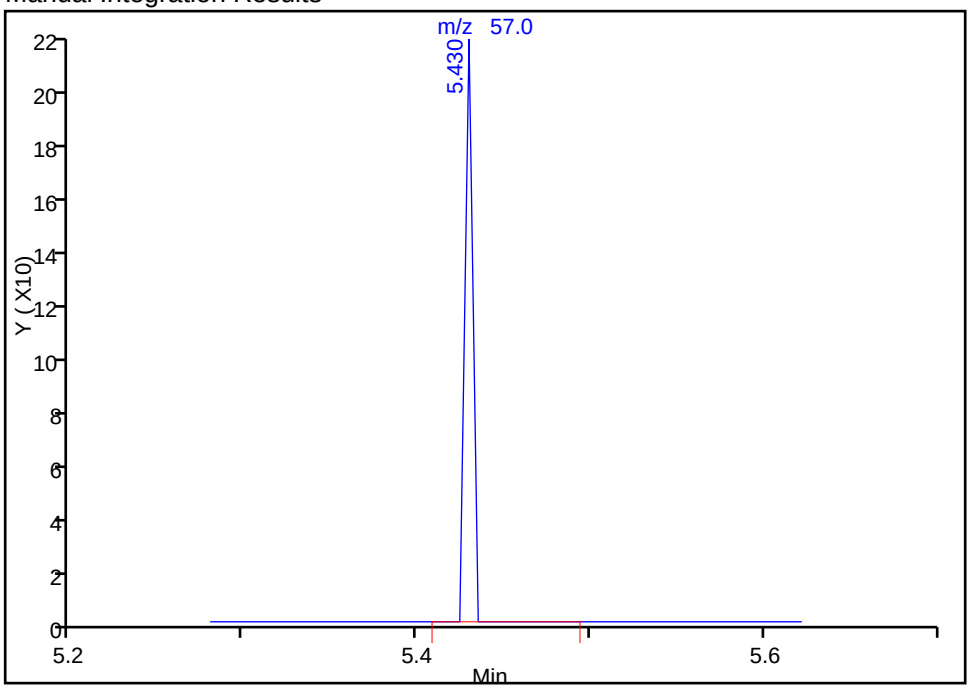
17 Pentane, CAS: 109-66-0

Processing Integration Results

RT: 5.42
Response: 0
Amount: 0.193410

Manual Integration Results

RT: 5.43
Response: 70
Amount: 0.193410



Reviewer: daiglep, 30-Oct-2014 15:50:24
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

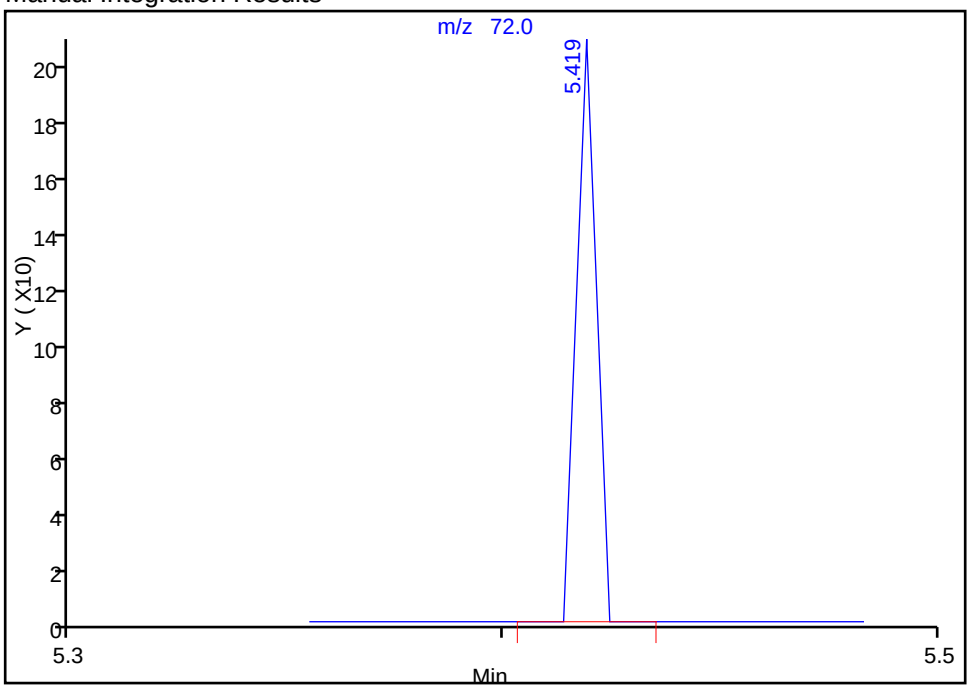
17 Pentane, CAS: 109-66-0

Processing Integration Results

RT: 5.42
Response: 0
Amount: 0.193410

Manual Integration Results

RT: 5.42
Response: 65
Amount: 0.193410



Reviewer: daiglep, 30-Oct-2014 15:50:24
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

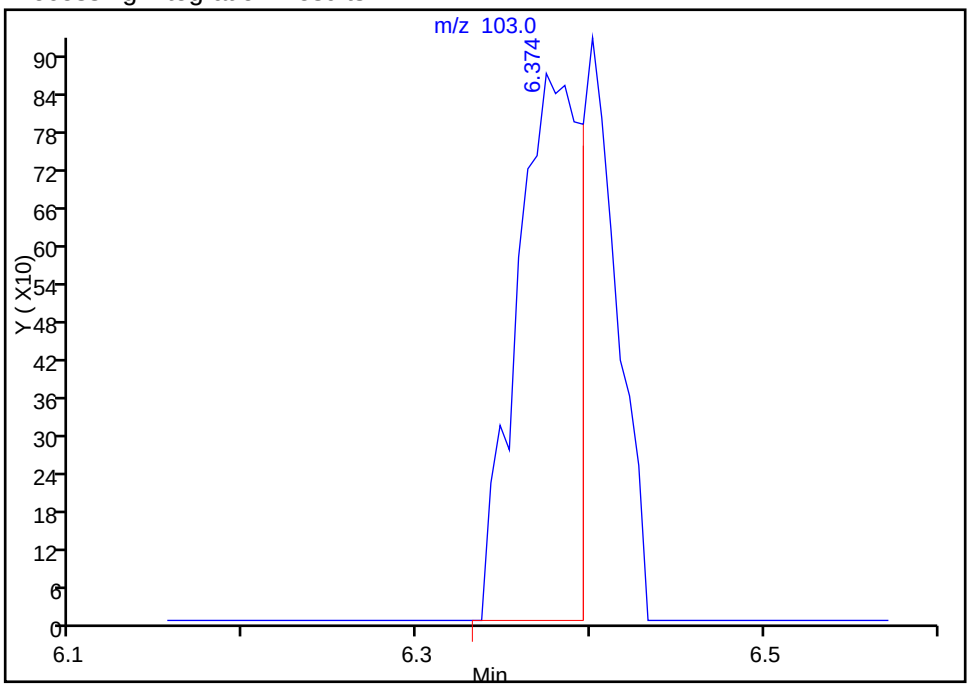
TestAmerica Burlington

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Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

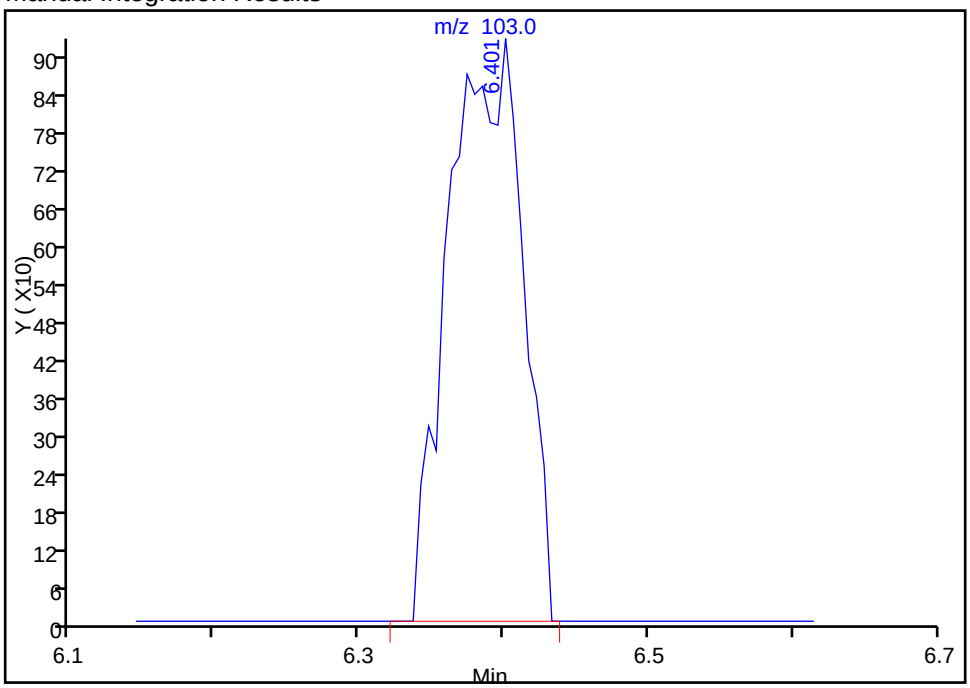
Processing Integration Results

RT: 6.37
Response: 2240
Amount: 0.194048



Manual Integration Results

RT: 6.40
Response: 3319
Amount: 0.194048



Reviewer: daiglep, 30-Oct-2014 15:50:24
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

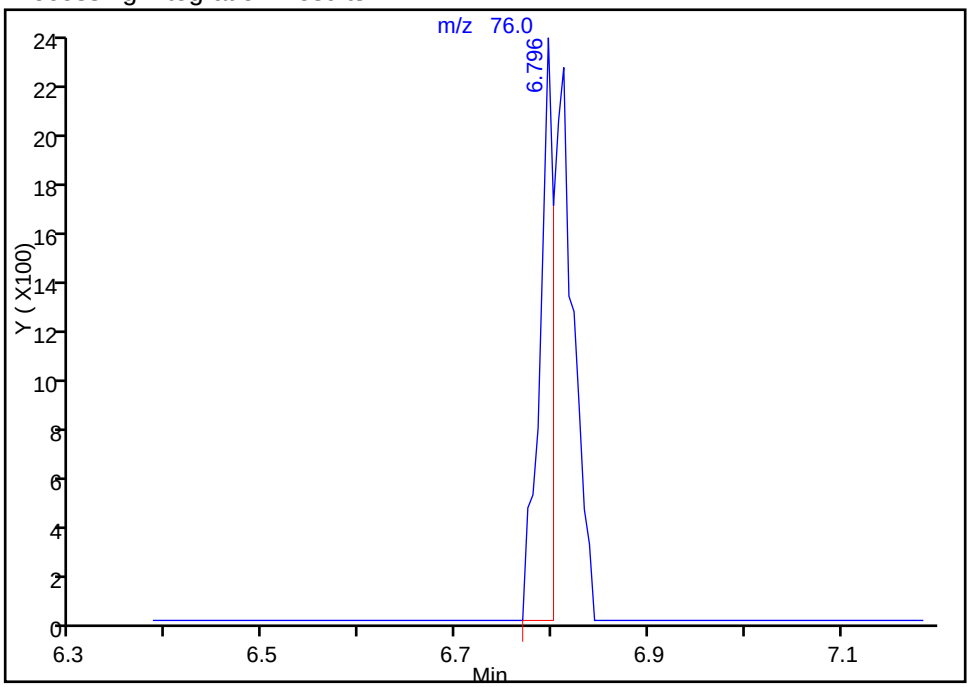
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

26 Carbon disulfide, CAS: 75-15-0

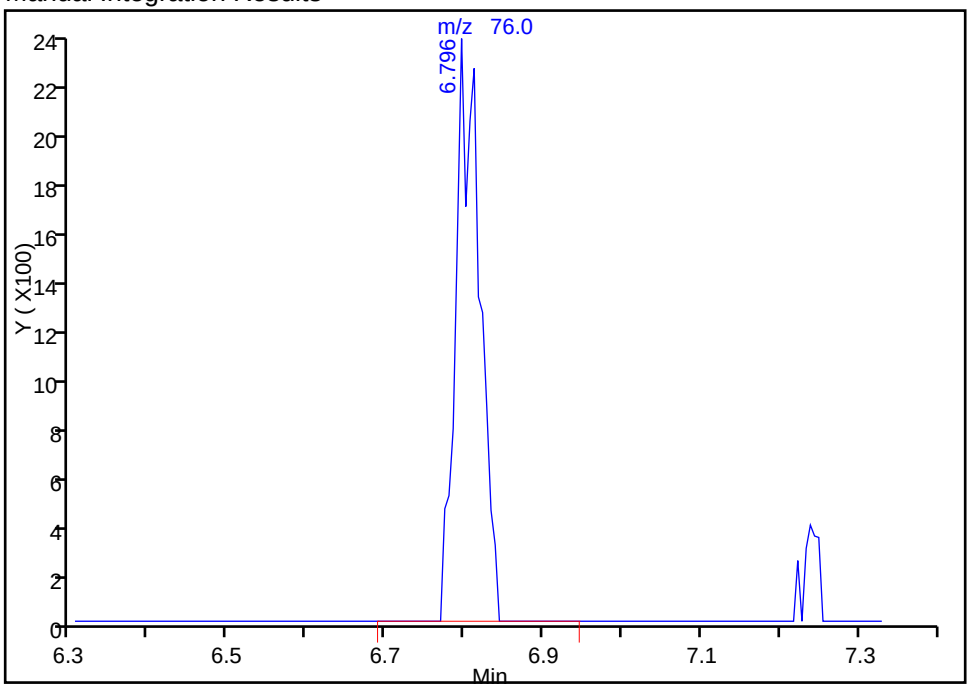
Processing Integration Results

RT: 6.80
Response: 2382
Amount: 0.093483



Manual Integration Results

RT: 6.80
Response: 5127
Amount: 0.201213



Reviewer: daiglep, 30-Oct-2014 15:50:24
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

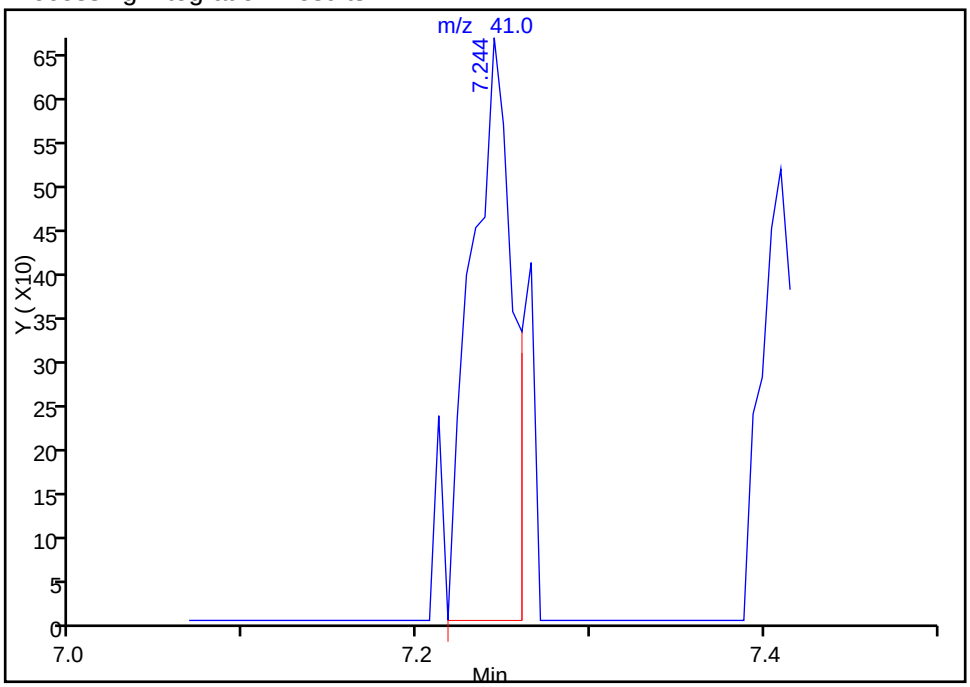
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

29 3-Chloro-1-propene, CAS: 107-05-1

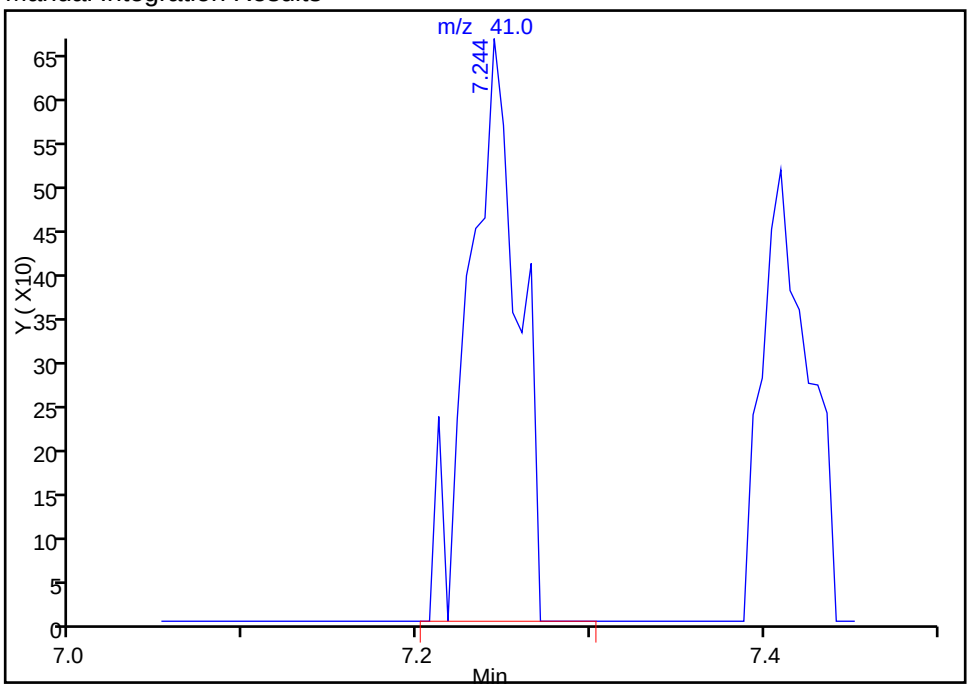
Processing Integration Results

RT: 7.24
Response: 1106
Amount: 0.134148



Manual Integration Results

RT: 7.24
Response: 1311
Amount: 0.148596



Reviewer: daiglep, 30-Oct-2014 15:50:24
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

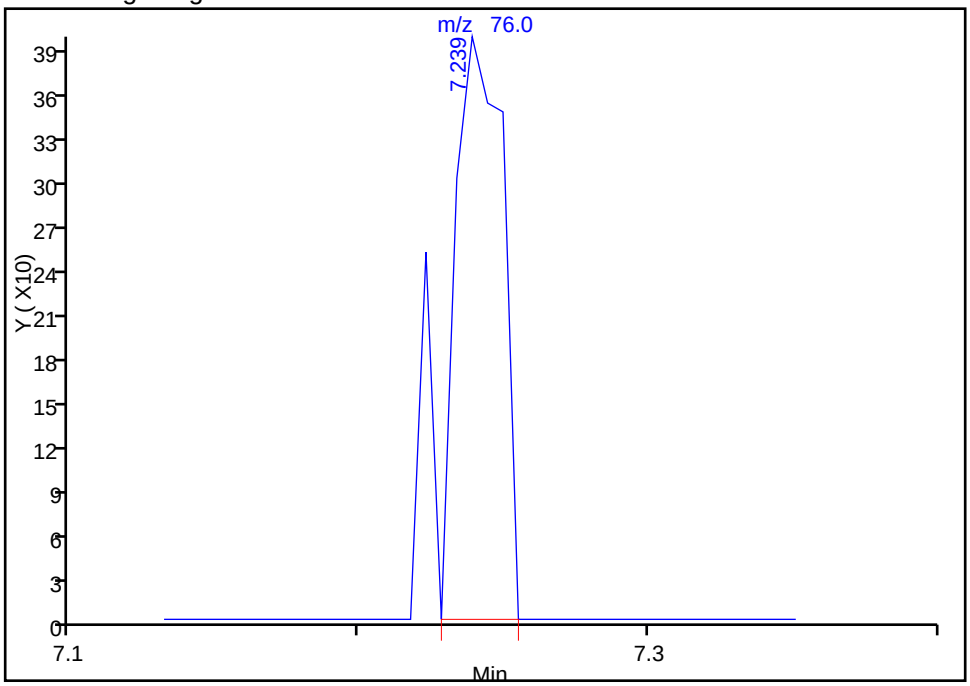
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D
Injection Date: 29-Oct-2014 17:54:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

29 3-Chloro-1-propene, CAS: 107-05-1

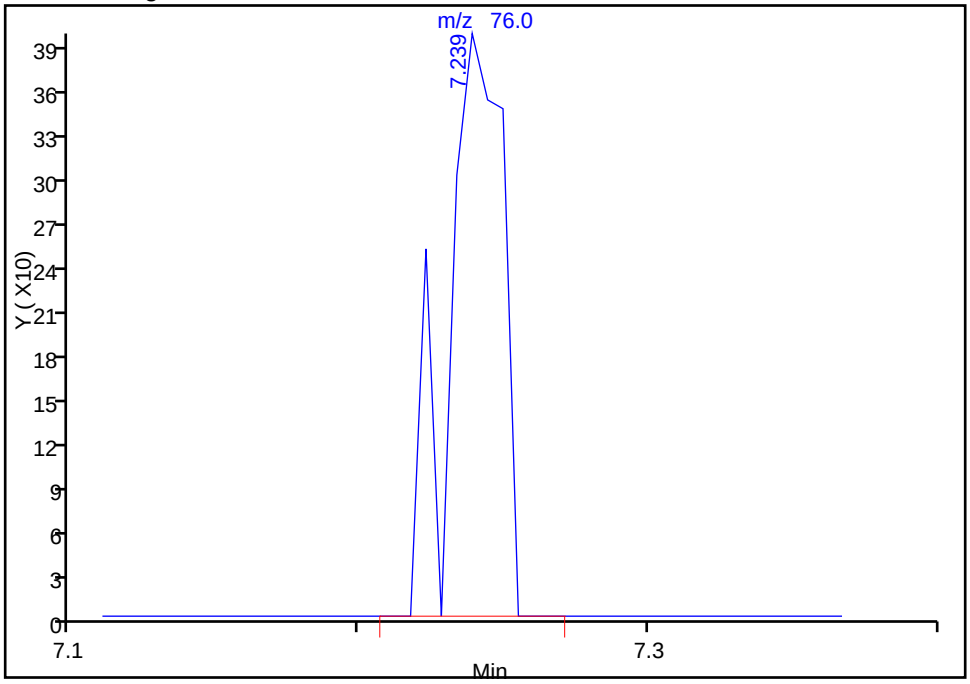
Processing Integration Results

RT: 7.24
Response: 444
Amount: 0.134148



Manual Integration Results

RT: 7.24
Response: 524
Amount: 0.148596



Reviewer: daiglep, 30-Oct-2014 15:50:24
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

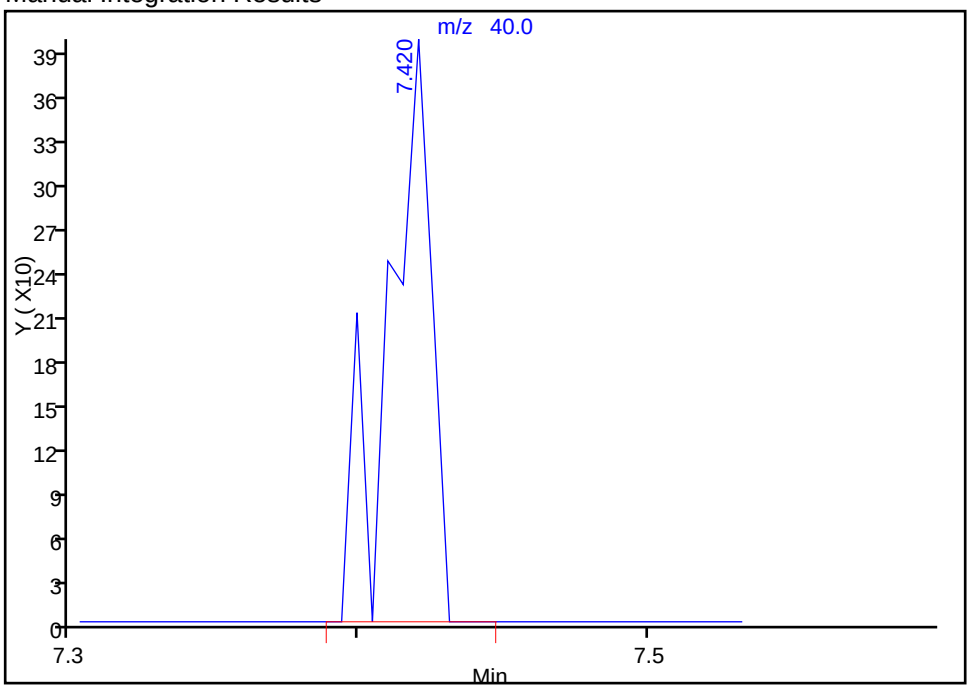
30 Acetonitrile, CAS: 75-05-8

Processing Integration Results

RT: 7.40
Response: 0
Amount: 0.224171

Manual Integration Results

RT: 7.42
Response: 409
Amount: 0.224171



Reviewer: daiglep, 30-Oct-2014 15:50:24
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

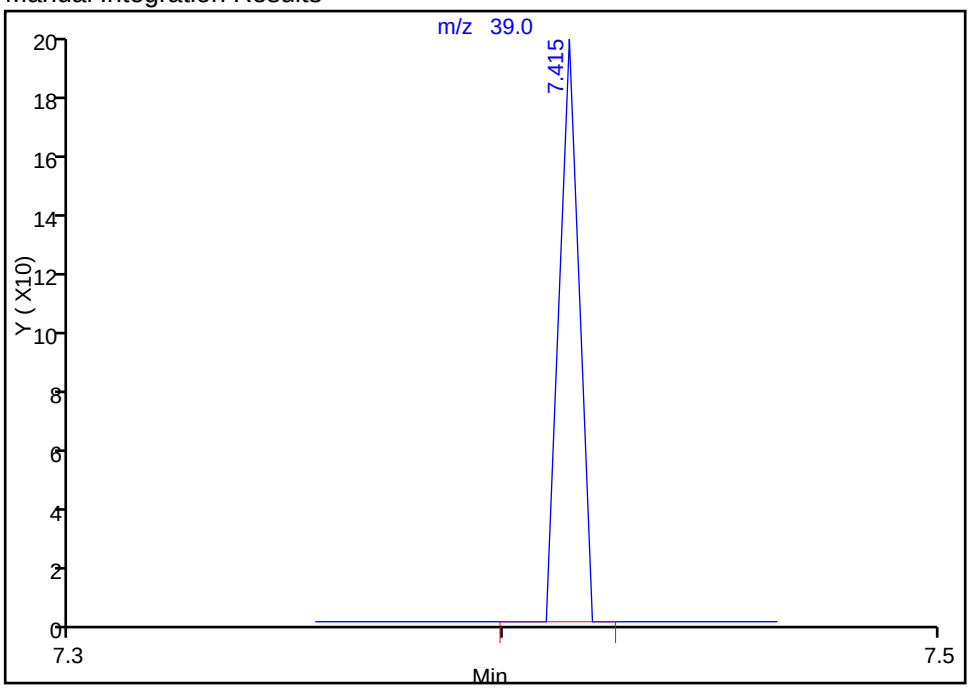
30 Acetonitrile, CAS: 75-05-8

Processing Integration Results

RT: 7.40
Response: 0
Amount: 0.224171

Manual Integration Results

RT: 7.42
Response: 64
Amount: 0.224171



Reviewer: daiglep, 30-Oct-2014 15:50:24
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

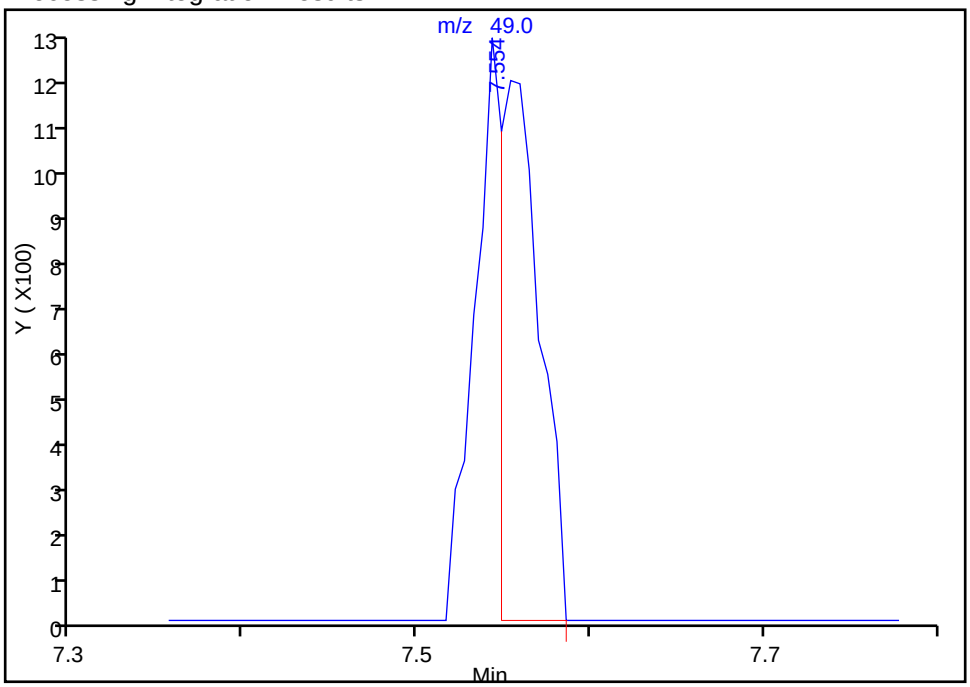
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2

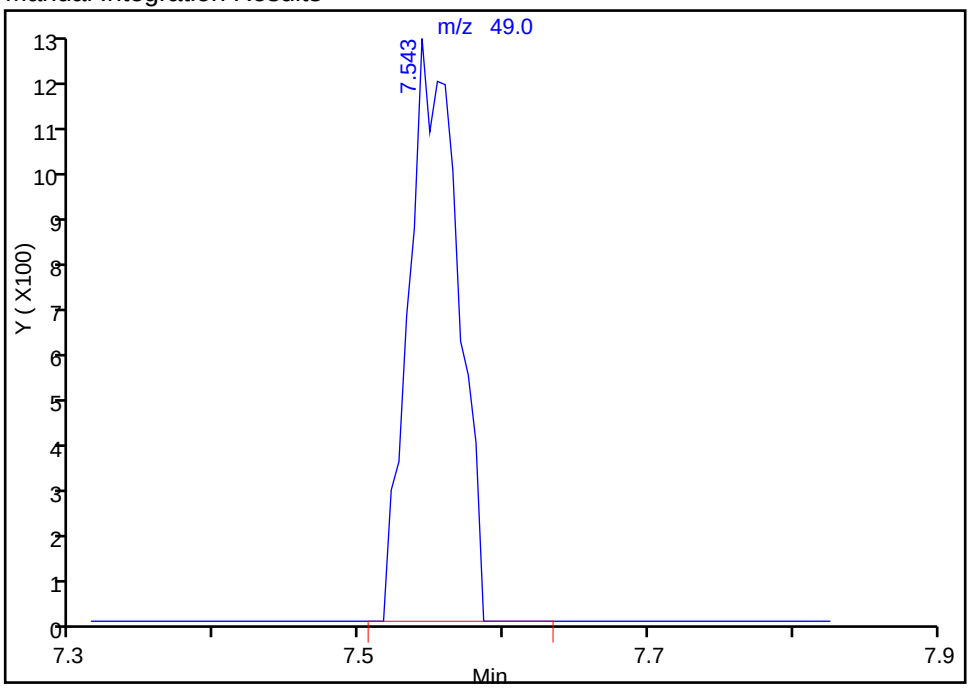
Processing Integration Results

RT: 7.55
Response: 1873
Amount: 0.171378



Manual Integration Results

RT: 7.54
Response: 2954
Amount: 0.270289



Reviewer: daiglep, 30-Oct-2014 15:50:24
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

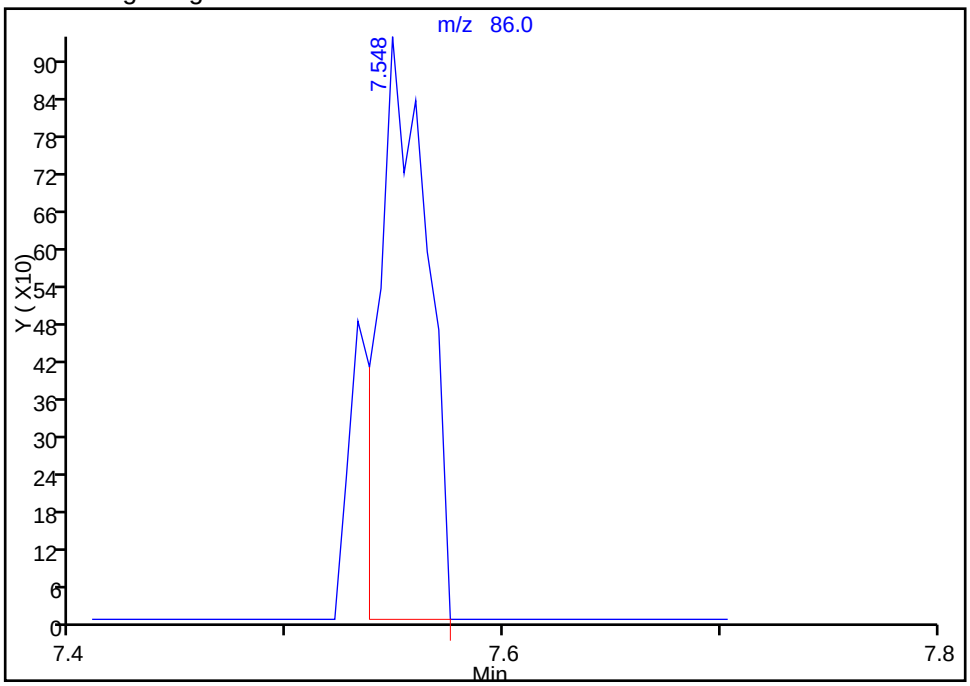
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D
Injection Date: 29-Oct-2014 17:54:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

31 Methylene Chloride, CAS: 75-09-2

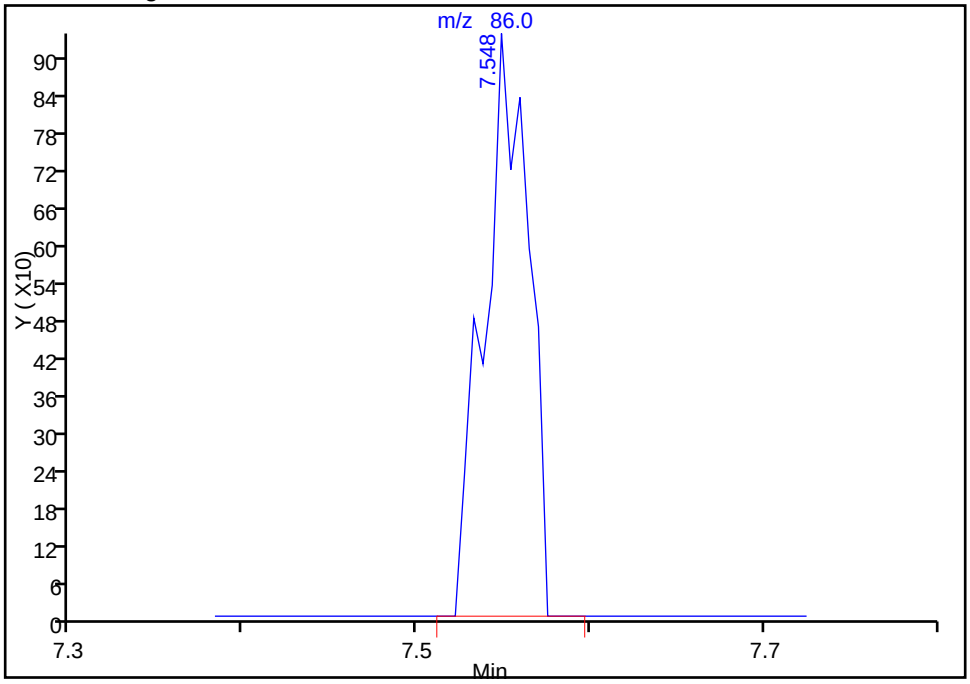
Processing Integration Results

RT: 7.55
Response: 1440
Amount: 0.171378



Manual Integration Results

RT: 7.55
Response: 1668
Amount: 0.270289



Reviewer: daiglep, 30-Oct-2014 15:50:24
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

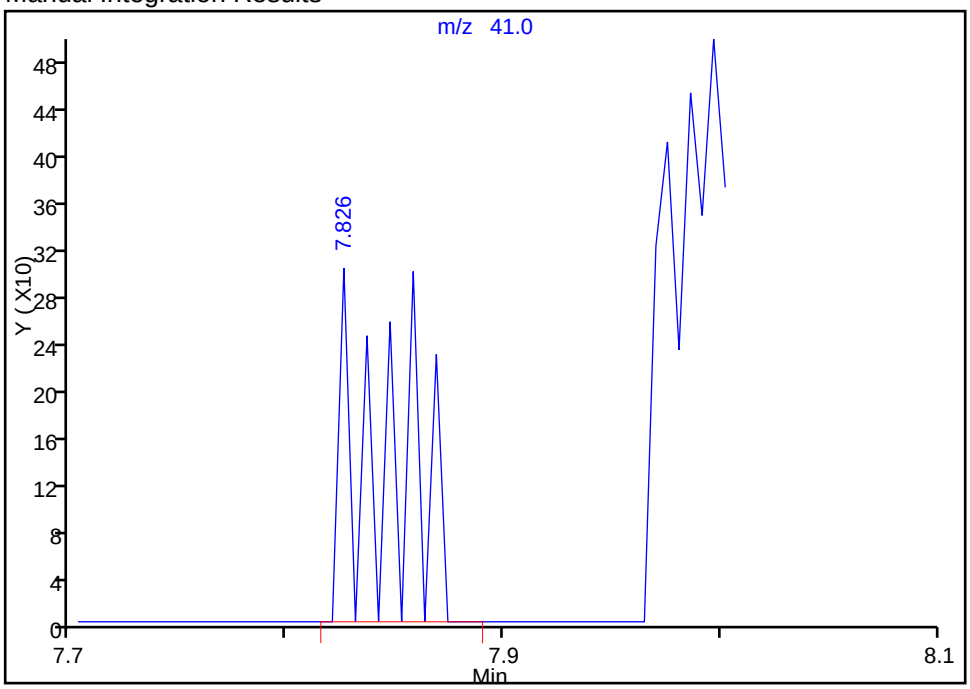
32 2-Methyl-2-propanol, CAS: 75-65-0

Processing Integration Results

RT: 7.82
Response: 0
Amount: 0.141552

Manual Integration Results

RT: 7.83
Response: 427
Amount: 0.141552



Reviewer: daiglep, 30-Oct-2014 15:50:24
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

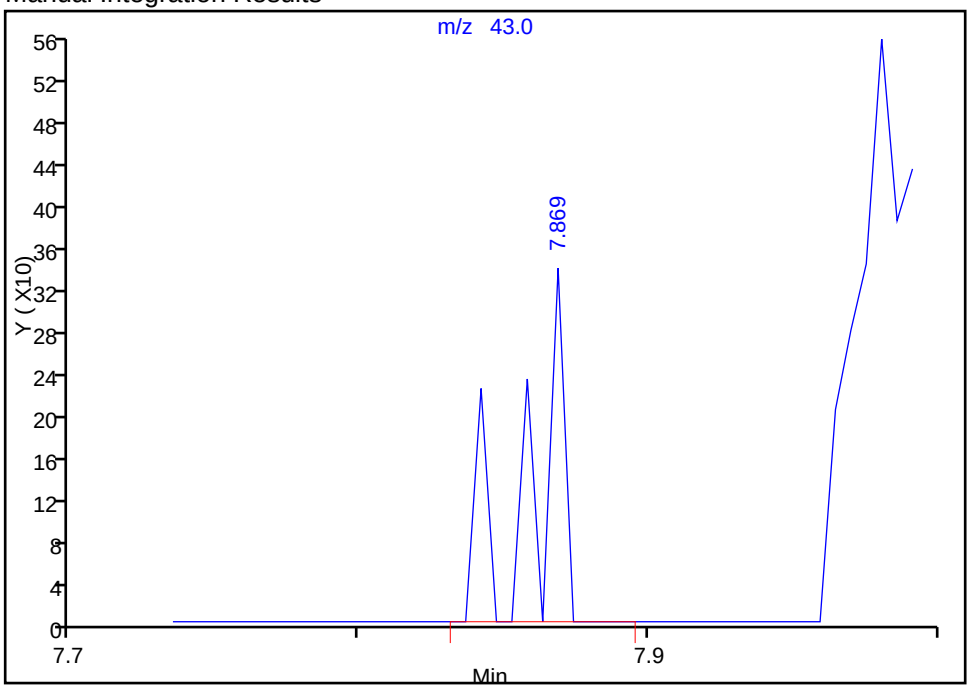
32 2-Methyl-2-propanol, CAS: 75-65-0

Processing Integration Results

RT: 7.82
Response: 0
Amount: 0.141552

Manual Integration Results

RT: 7.87
Response: 252
Amount: 0.141552



Reviewer: daiglep, 30-Oct-2014 15:50:24
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

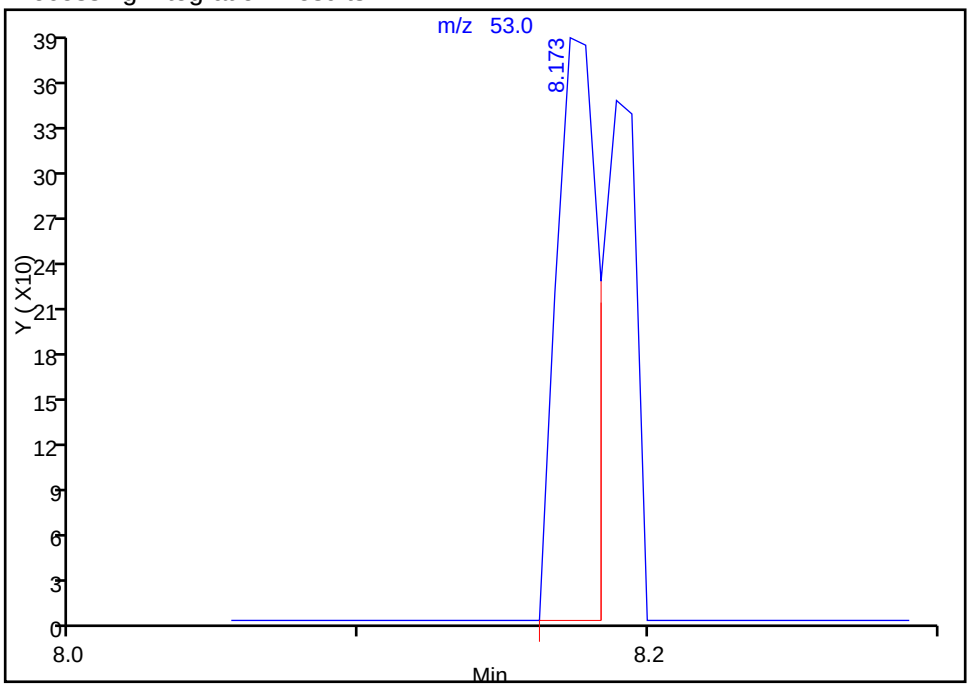
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

35 Acrylonitrile, CAS: 107-13-1

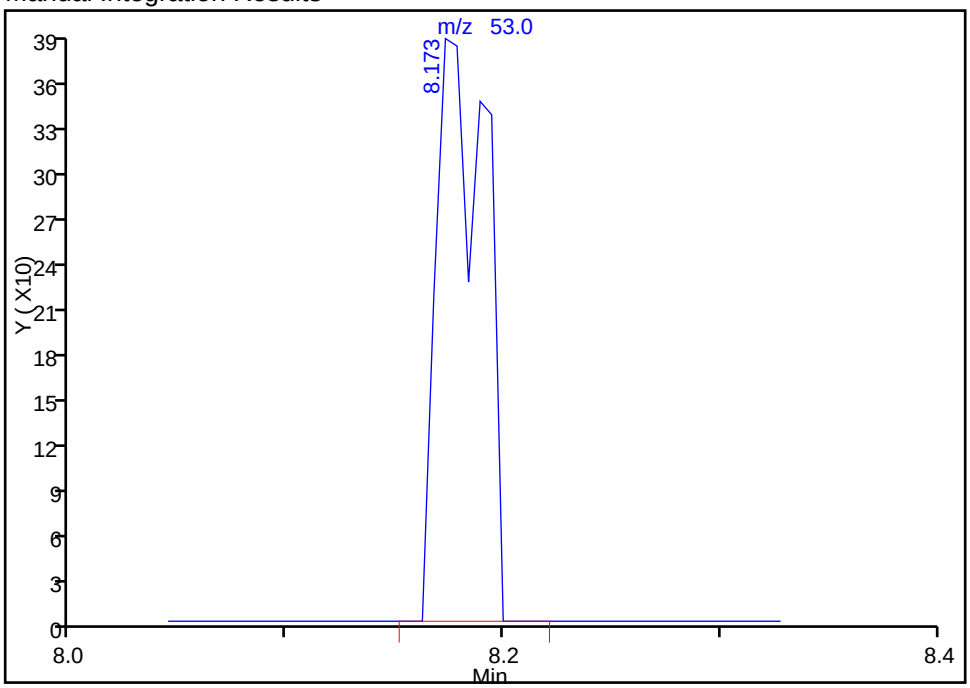
Processing Integration Results

RT: 8.17
Response: 391
Amount: 0.081362



Manual Integration Results

RT: 8.17
Response: 611
Amount: 0.122406



Reviewer: daiglep, 30-Oct-2014 15:50:24
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

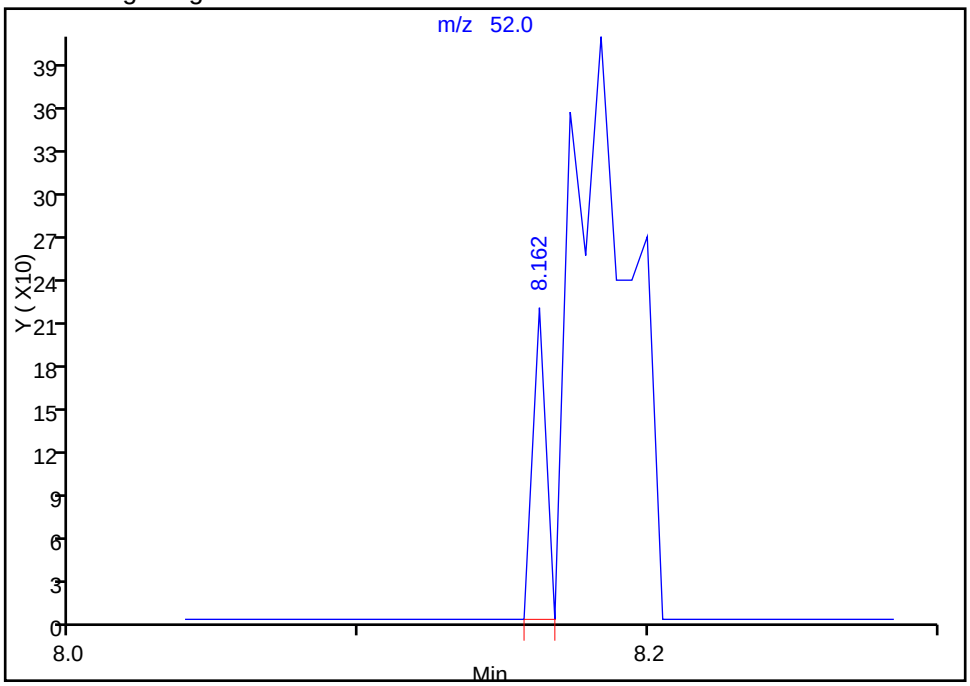
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D
Injection Date: 29-Oct-2014 17:54:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

35 Acrylonitrile, CAS: 107-13-1

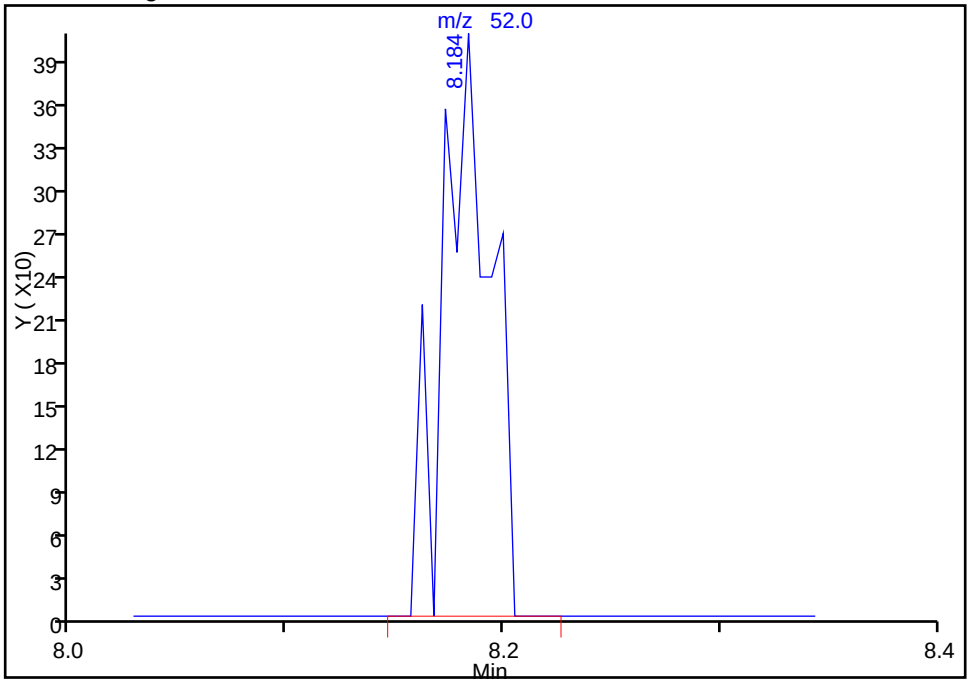
Processing Integration Results

RT: 8.16
Response: 69
Amount: 0.081362



Manual Integration Results

RT: 8.18
Response: 624
Amount: 0.122406



Reviewer: daiglep, 30-Oct-2014 15:50:24
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

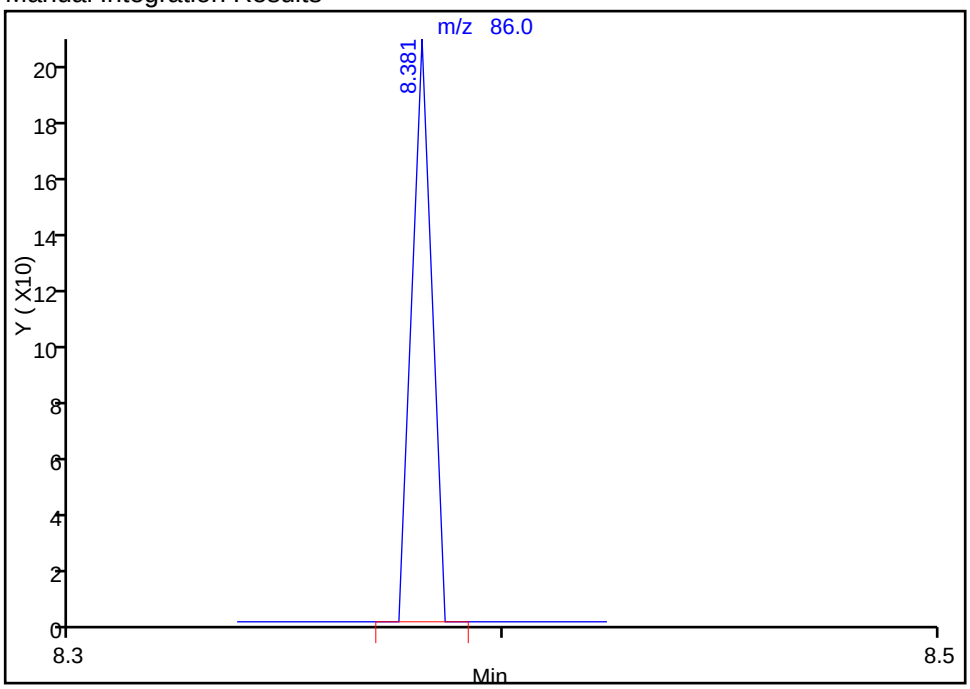
36 Hexane, CAS: 110-54-3

Processing Integration Results

RT: 8.39
Response: 0
Amount: 0.163787

Manual Integration Results

RT: 8.38
Response: 67
Amount: 0.163787



Reviewer: daiglep, 30-Oct-2014 15:50:24
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

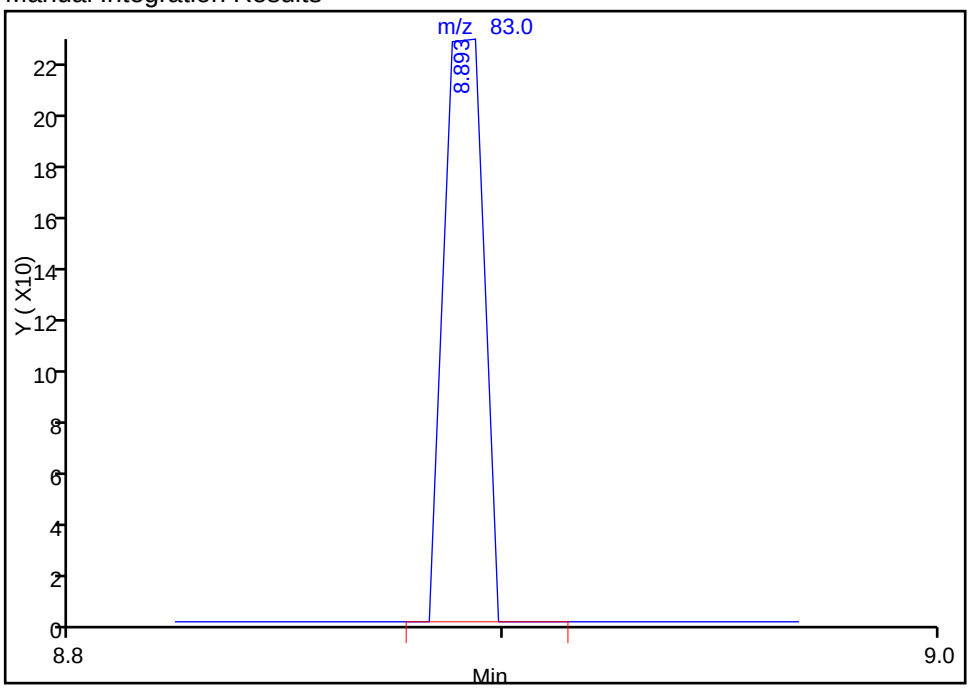
37 1,1-Dichloroethane, CAS: 75-34-3

Processing Integration Results

RT: 8.89
Response: 0
Amount: 0.168201

Manual Integration Results

RT: 8.89
Response: 146
Amount: 0.168201



Reviewer: daiglep, 30-Oct-2014 15:50:24
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

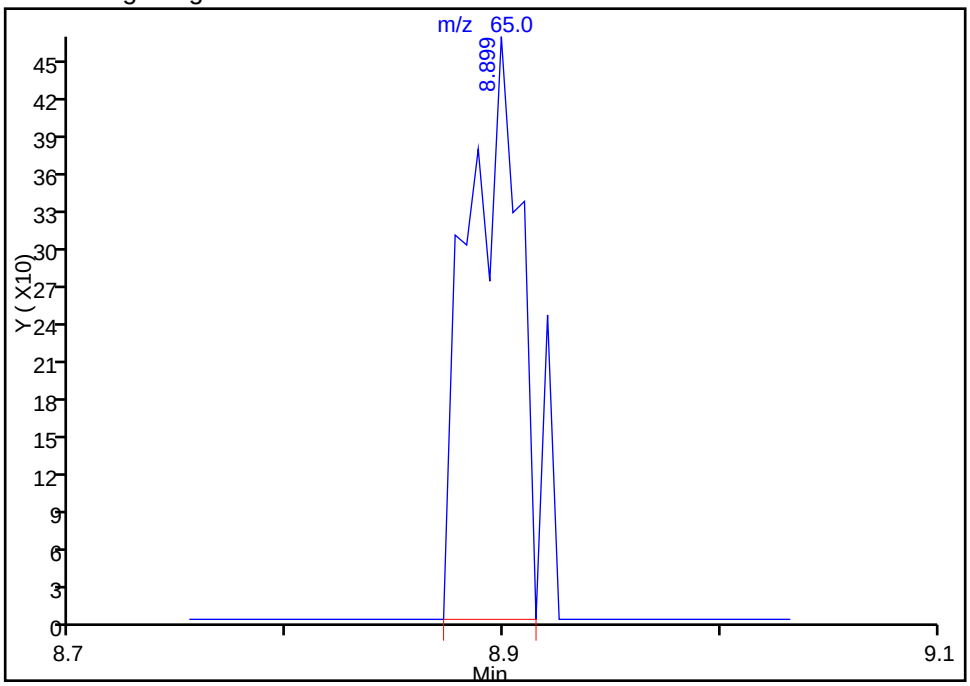
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D
Injection Date: 29-Oct-2014 17:54:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

37 1,1-Dichloroethane, CAS: 75-34-3

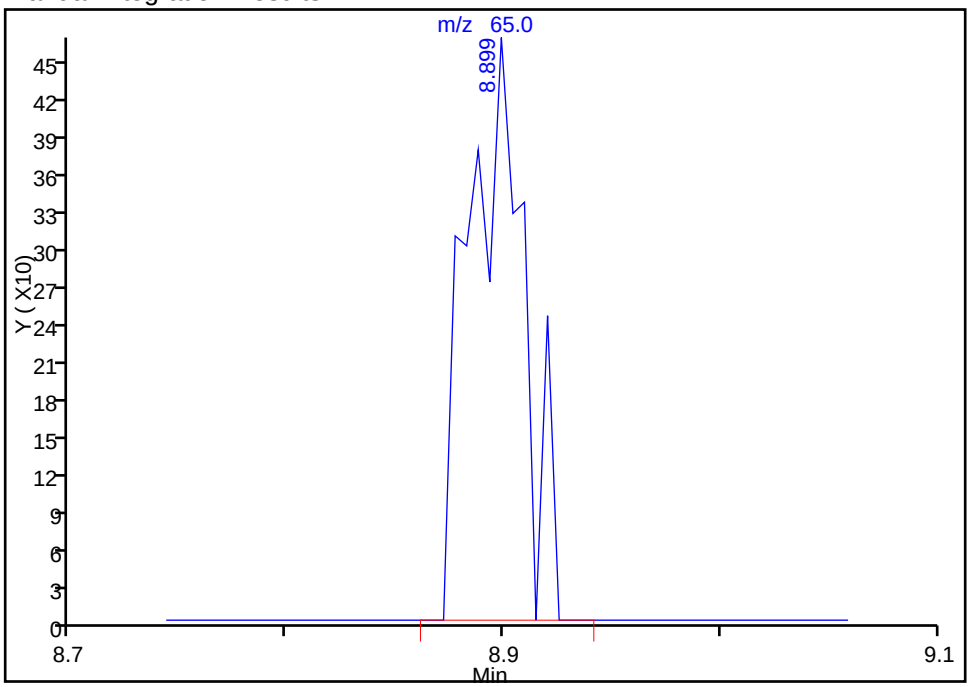
Processing Integration Results

RT: 8.90
Response: 763
Amount: 0.168201



Manual Integration Results

RT: 8.90
Response: 841
Amount: 0.168201



Reviewer: daiglep, 30-Oct-2014 15:50:24
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

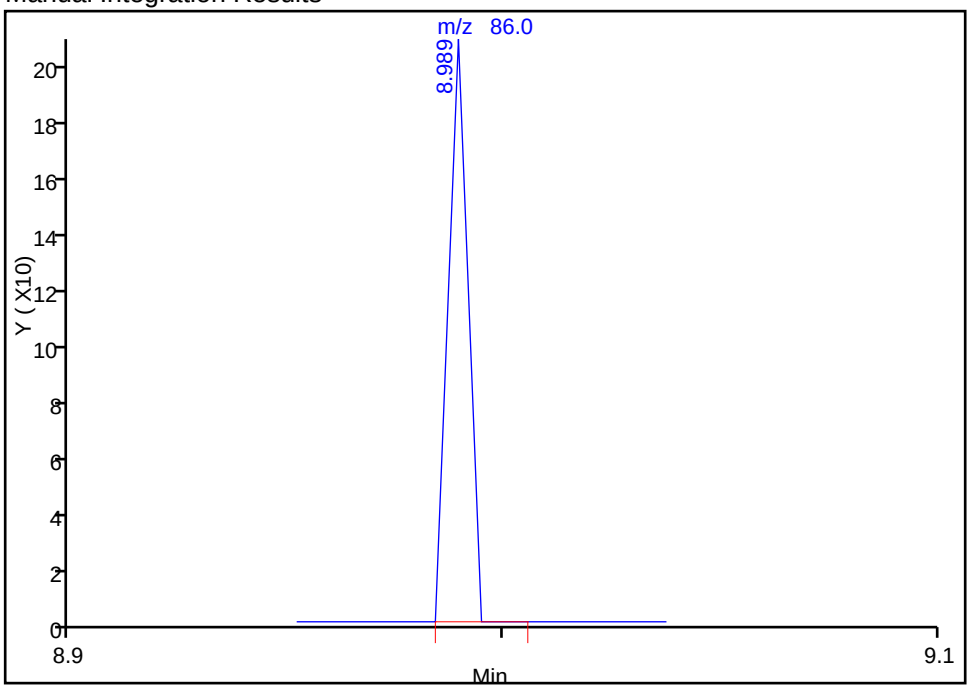
38 Vinyl acetate, CAS: 108-05-4

Processing Integration Results

RT: 8.99
Response: 0
Amount: 0.114604

Manual Integration Results

RT: 8.99
Response: 67
Amount: 0.114604



Reviewer: daiglep, 30-Oct-2014 15:50:24
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

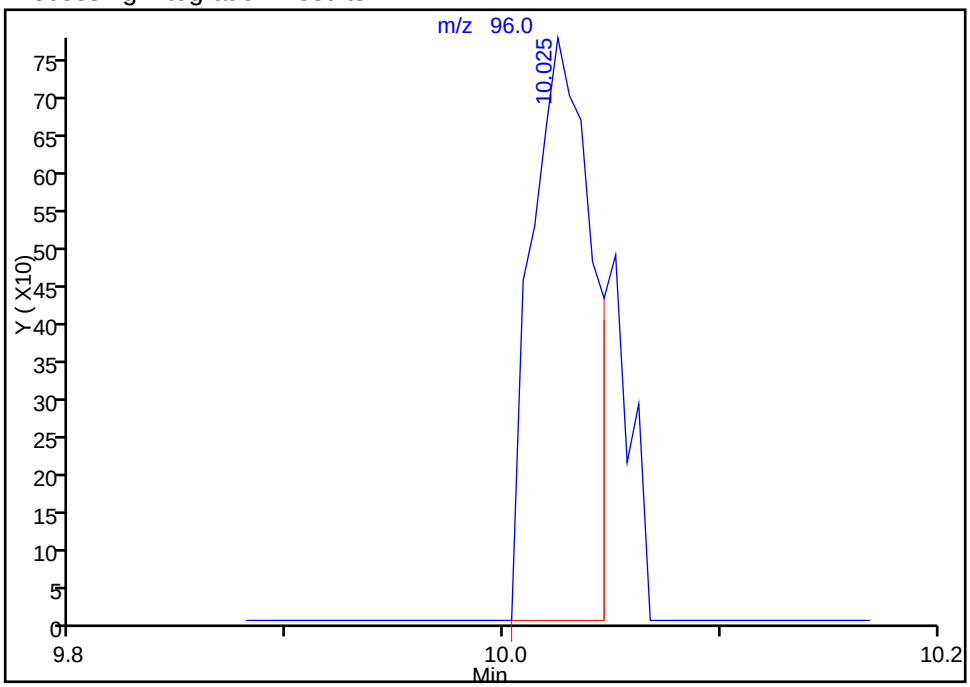
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D
Injection Date: 29-Oct-2014 17:54:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

39 cis-1,2-Dichloroethene, CAS: 156-59-2

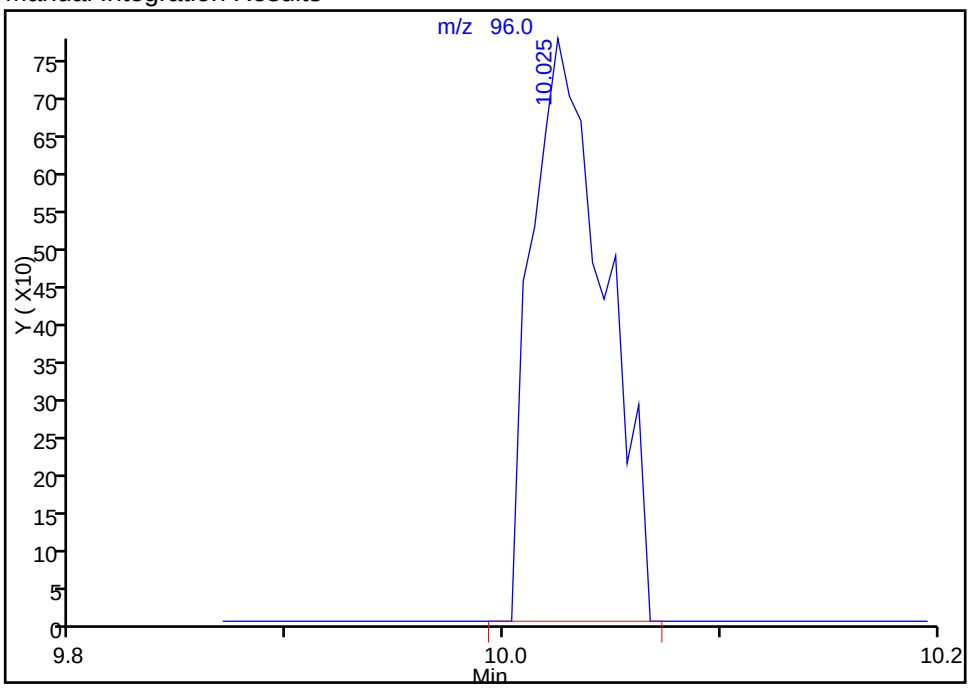
Processing Integration Results

RT: 10.02
Response: 1504
Amount: 0.144012



Manual Integration Results

RT: 10.02
Response: 1820
Amount: 0.170591



Reviewer: daiglep, 30-Oct-2014 15:50:24
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

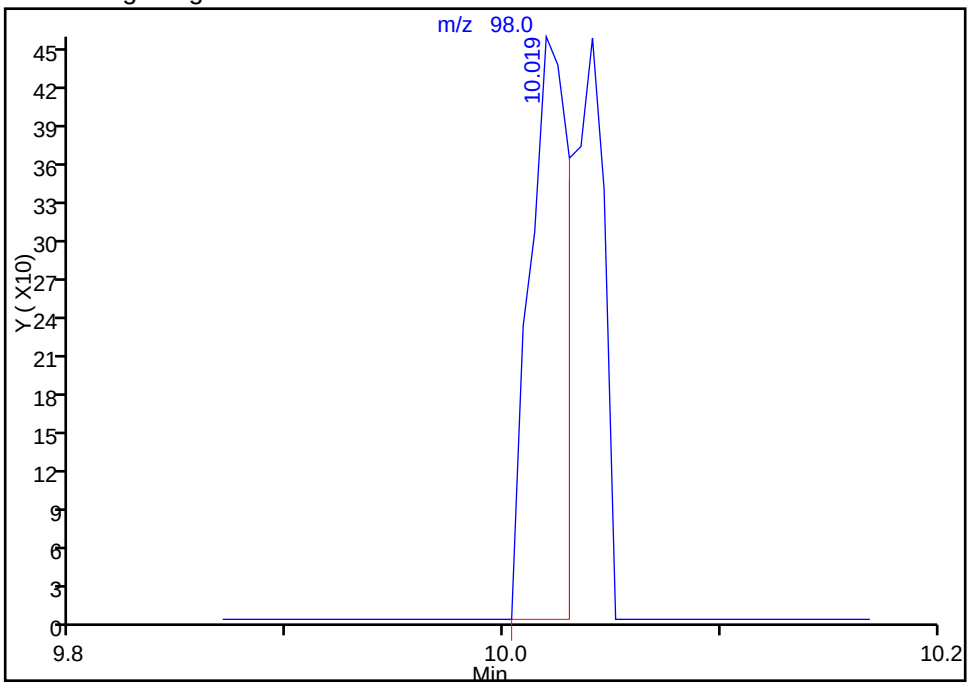
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D
Injection Date: 29-Oct-2014 17:54:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

39 cis-1,2-Dichloroethene, CAS: 156-59-2

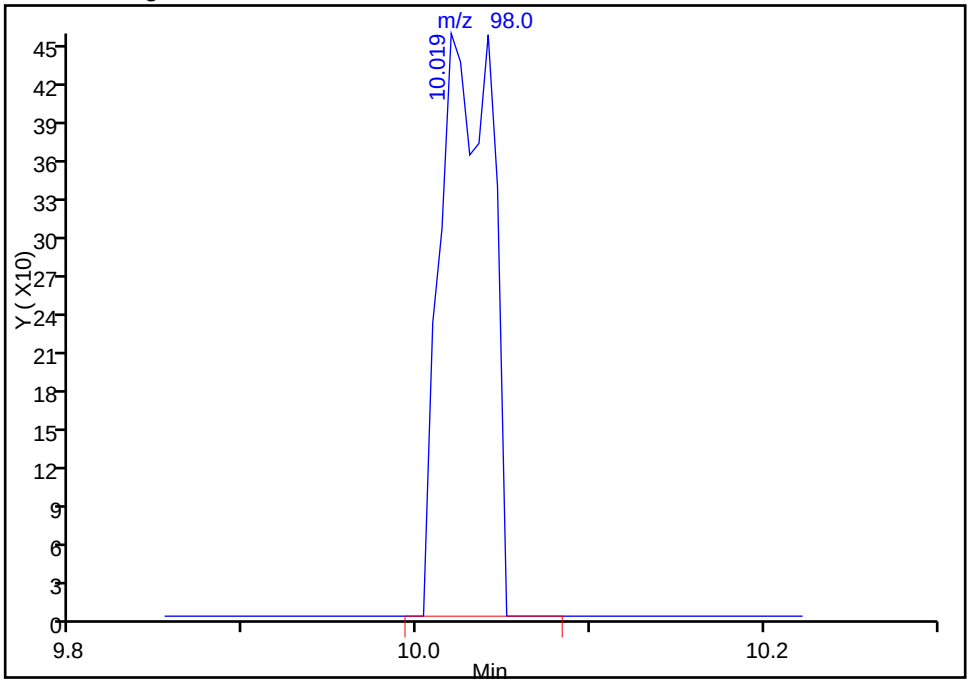
Processing Integration Results

RT: 10.02
Response: 565
Amount: 0.144012



Manual Integration Results

RT: 10.02
Response: 933
Amount: 0.170591



Reviewer: daiglep, 30-Oct-2014 15:50:24
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

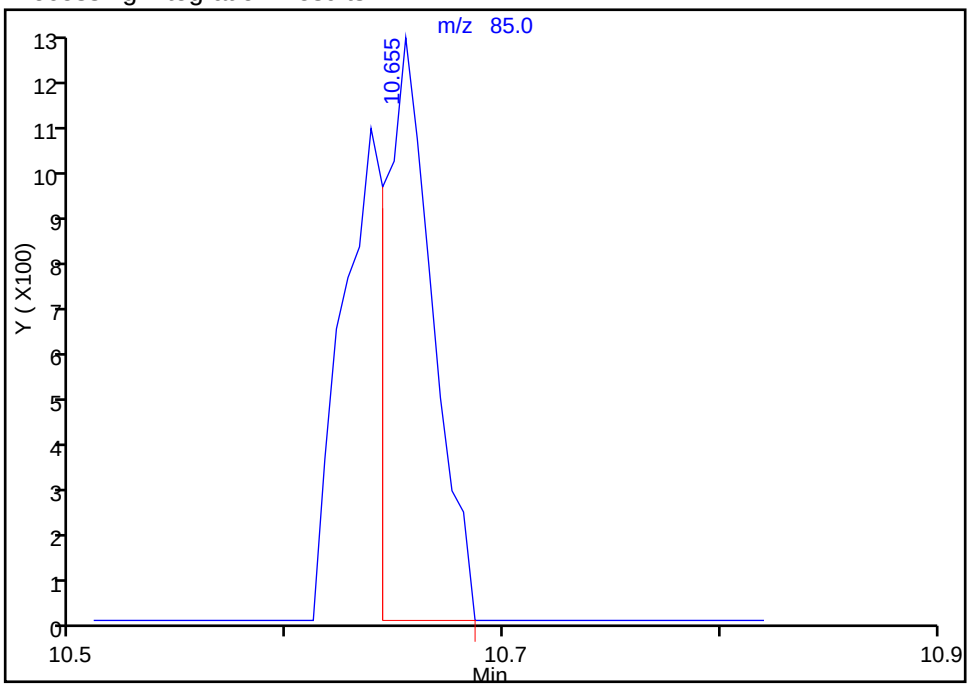
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Chloroform, CAS: 67-66-3

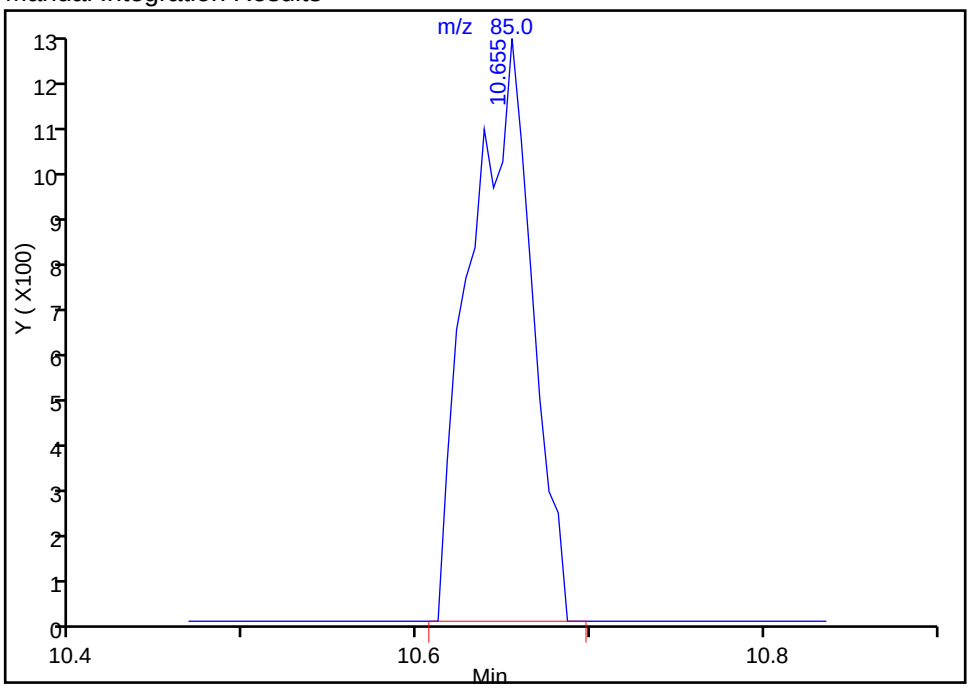
Processing Integration Results

RT: 10.65
Response: 1958
Amount: 0.187091



Manual Integration Results

RT: 10.65
Response: 3132
Amount: 0.187091



Reviewer: daiglep, 30-Oct-2014 15:50:24
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

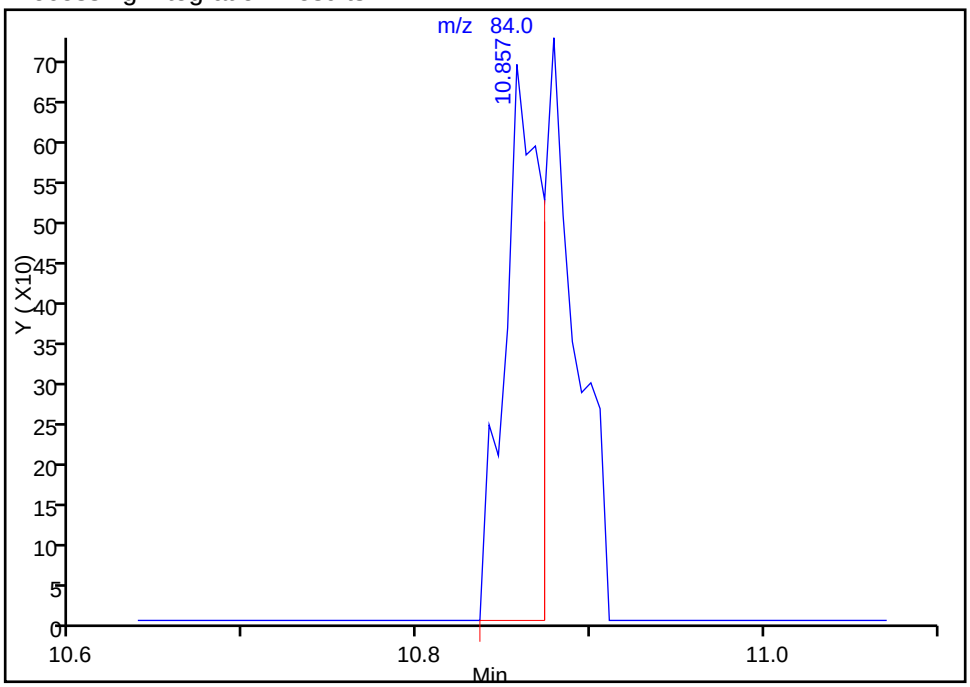
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

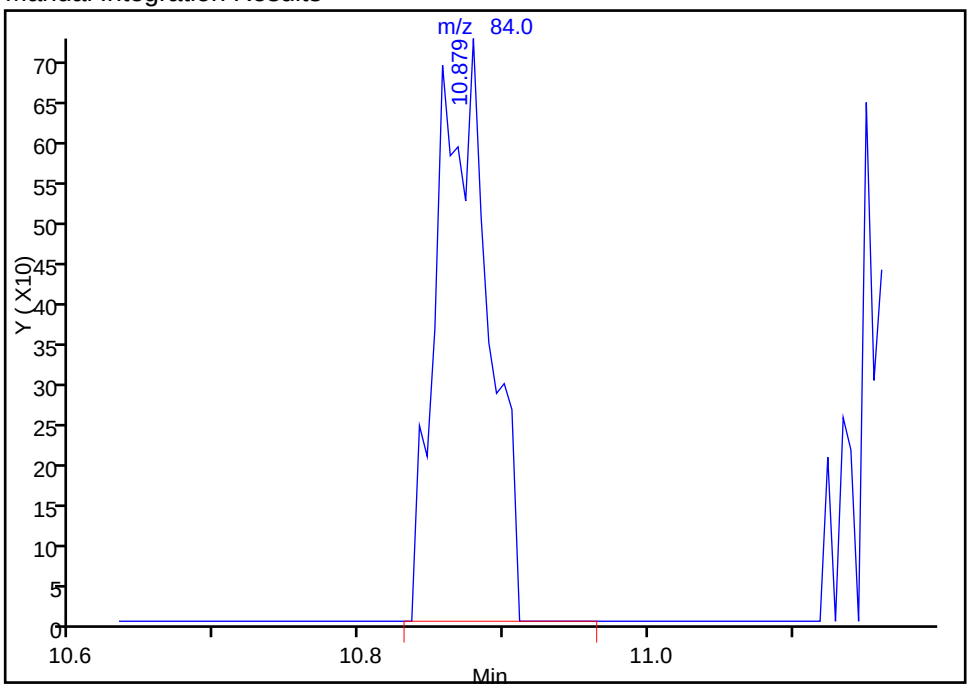
Processing Integration Results

RT: 10.86
Response: 1018
Amount: 0.100649



Manual Integration Results

RT: 10.88
Response: 1788
Amount: 0.153611



Reviewer: daiglep, 30-Oct-2014 15:50:24
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

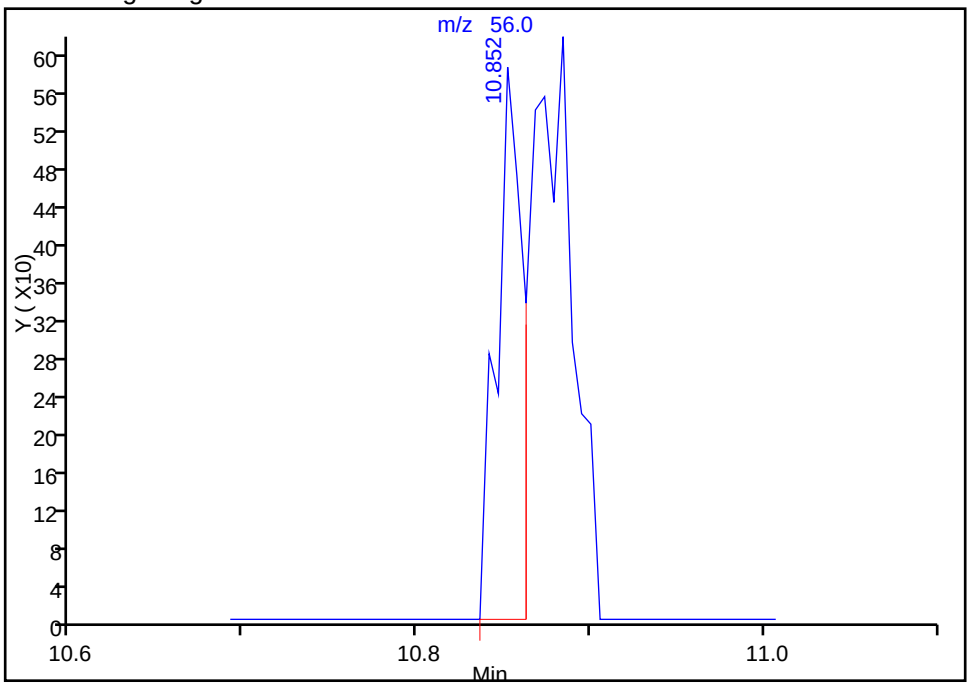
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D
Injection Date: 29-Oct-2014 17:54:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

46 Cyclohexane, CAS: 110-82-7

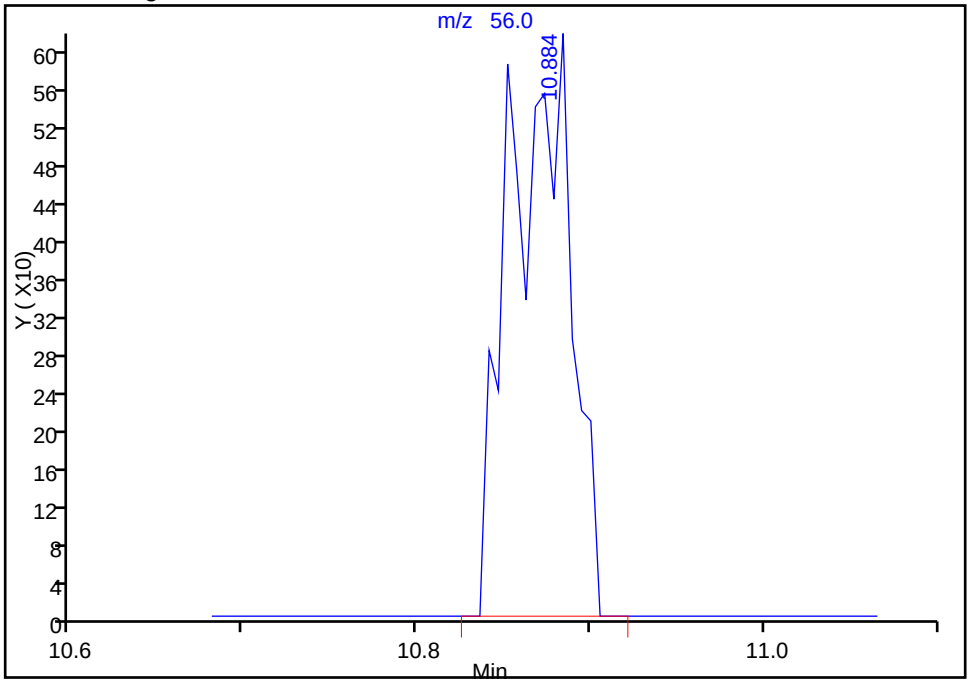
Processing Integration Results

RT: 10.85
Response: 606
Amount: 0.100649



Manual Integration Results

RT: 10.88
Response: 1518
Amount: 0.153611



Reviewer: daiglep, 30-Oct-2014 15:50:24
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

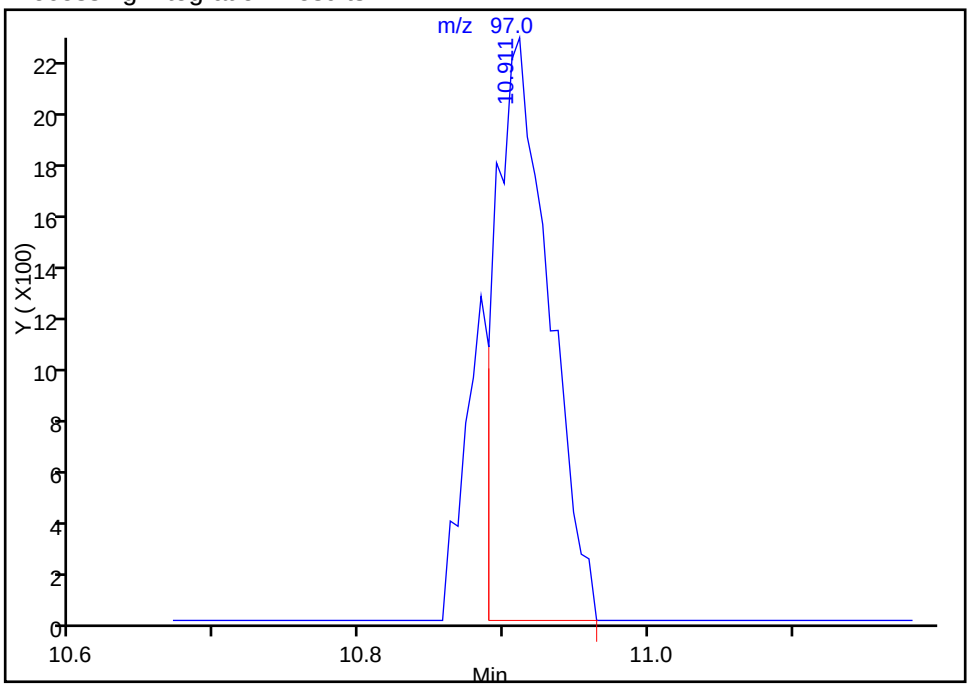
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6

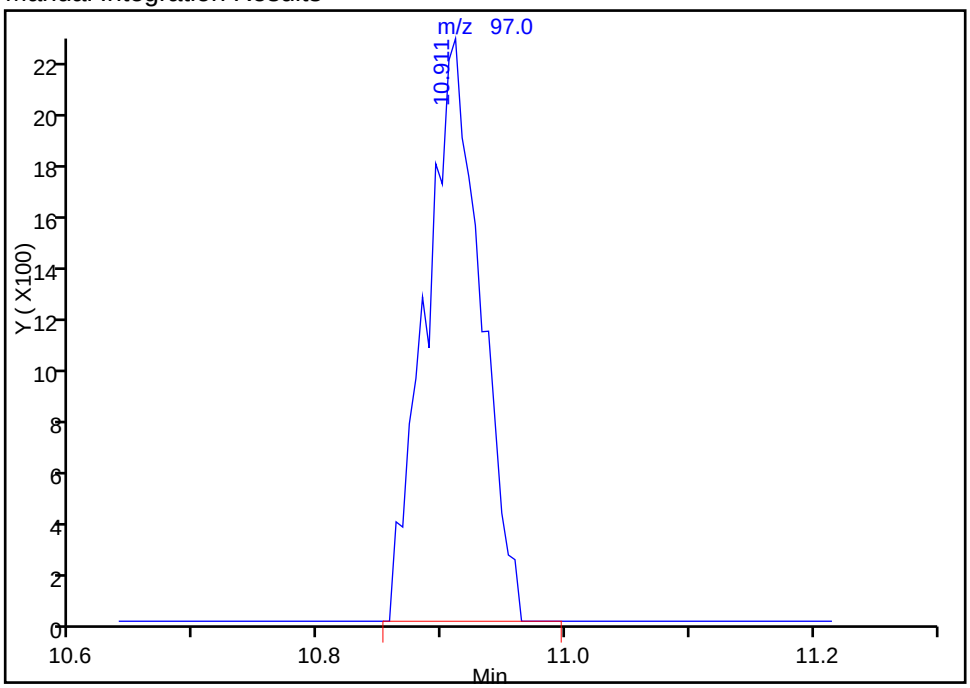
Processing Integration Results

RT: 10.91
Response: 5709
Amount: 0.160733



Manual Integration Results

RT: 10.91
Response: 6885
Amount: 0.189373



Reviewer: daiglep, 30-Oct-2014 15:50:24
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

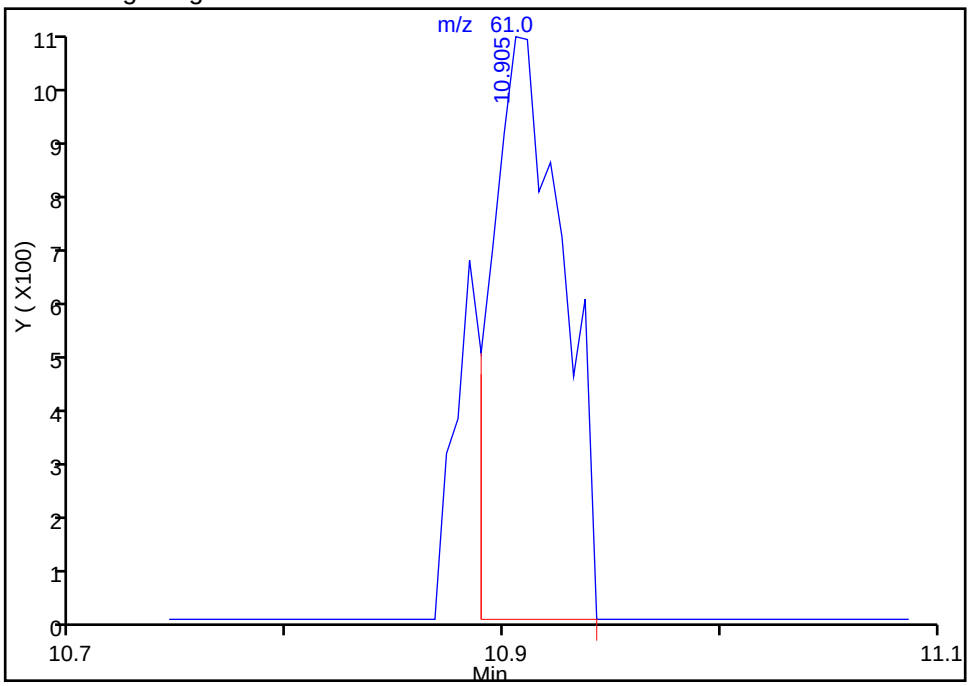
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6

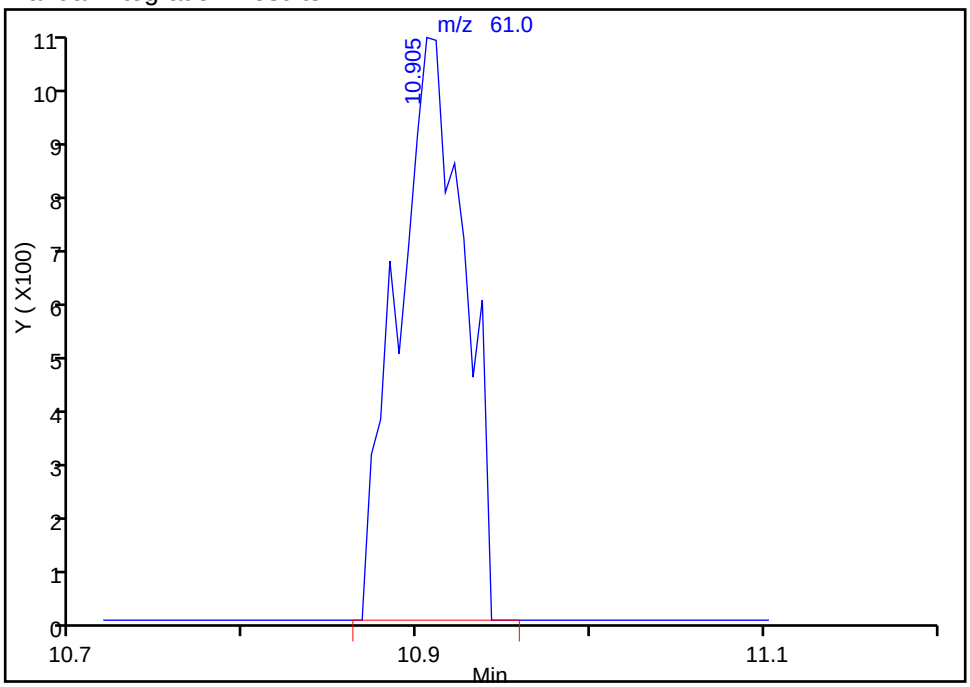
Processing Integration Results

RT: 10.91
Response: 2306
Amount: 0.160733



Manual Integration Results

RT: 10.91
Response: 2712
Amount: 0.189373



Reviewer: daiglep, 30-Oct-2014 15:50:24
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

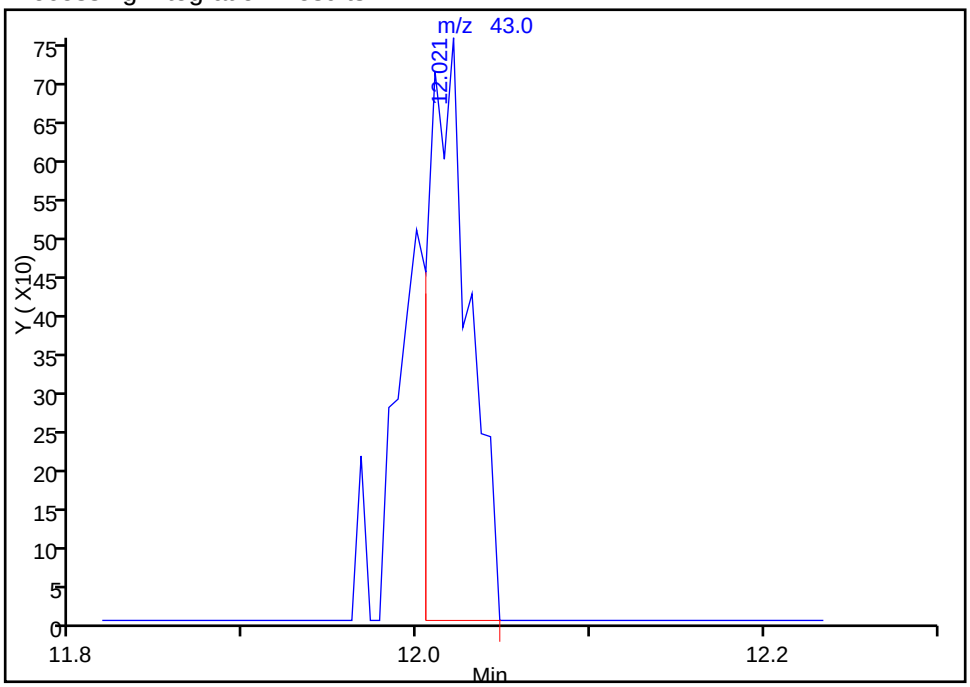
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5

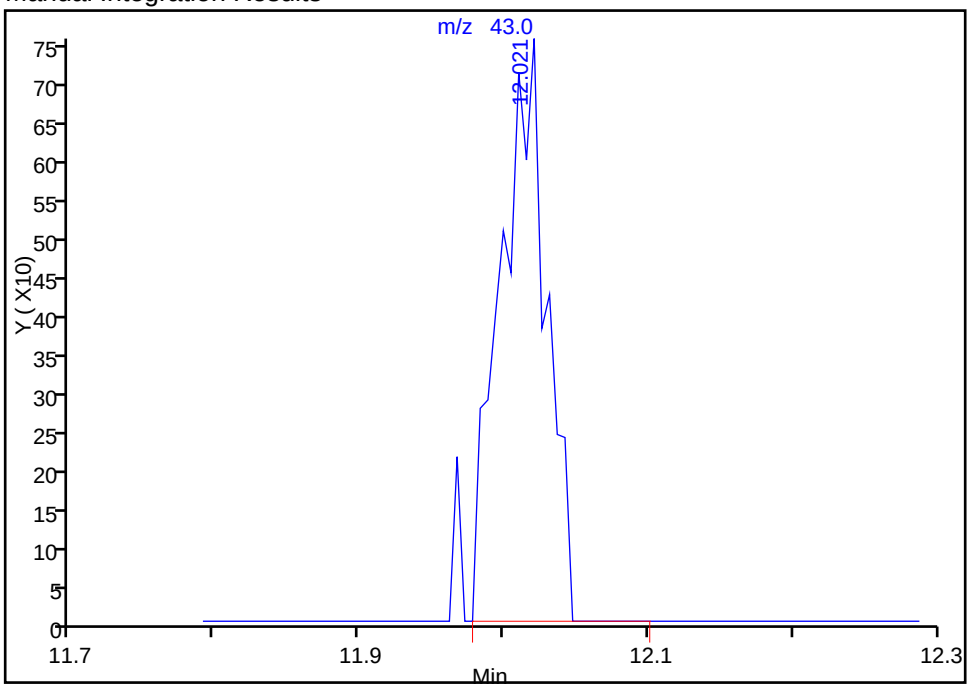
Processing Integration Results

RT: 12.02
Response: 1221
Amount: 0.112743



Manual Integration Results

RT: 12.02
Response: 1693
Amount: 0.151617



Reviewer: lyonsb, 30-Oct-2014 16:08:41
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

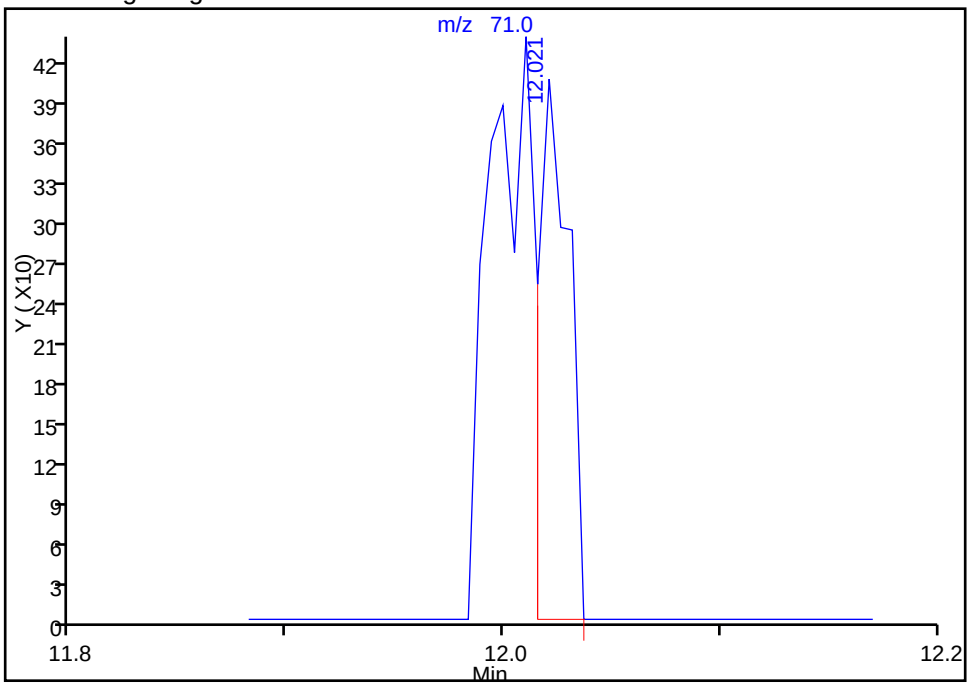
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5

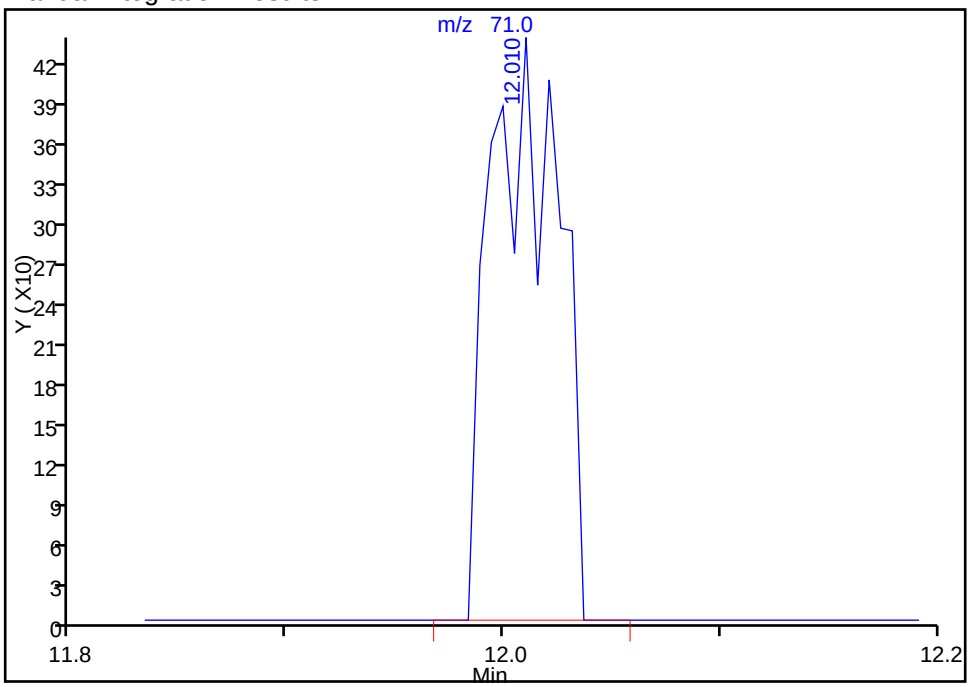
Processing Integration Results

RT: 12.02
Response: 400
Amount: 0.112743



Manual Integration Results

RT: 12.01
Response: 956
Amount: 0.151617



Reviewer: lyonsb, 30-Oct-2014 16:08:41
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

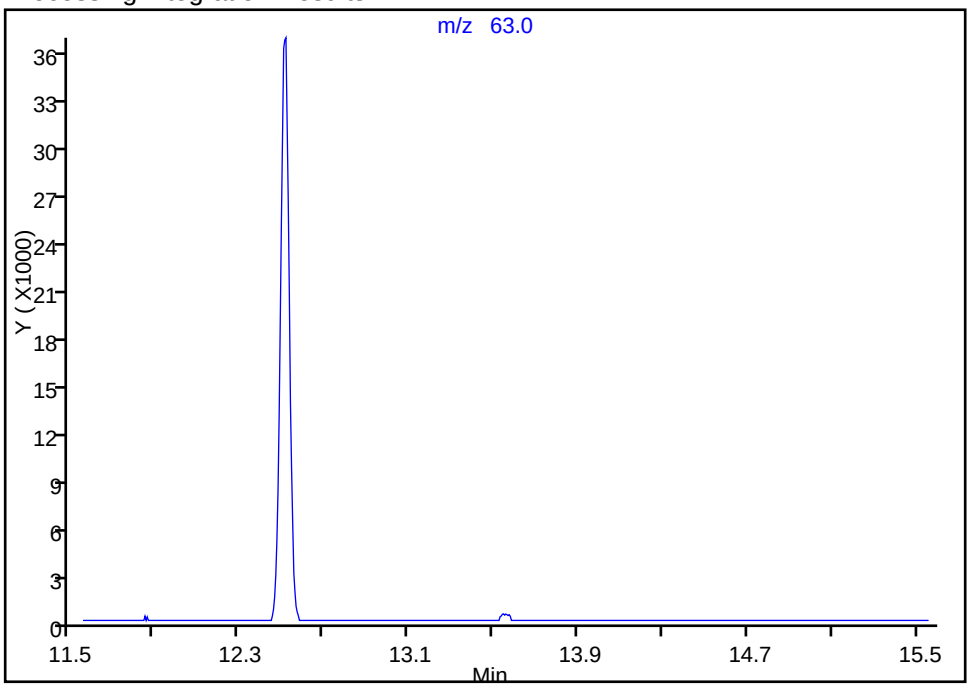
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

58 1,2-Dichloropropane, CAS: 78-87-5

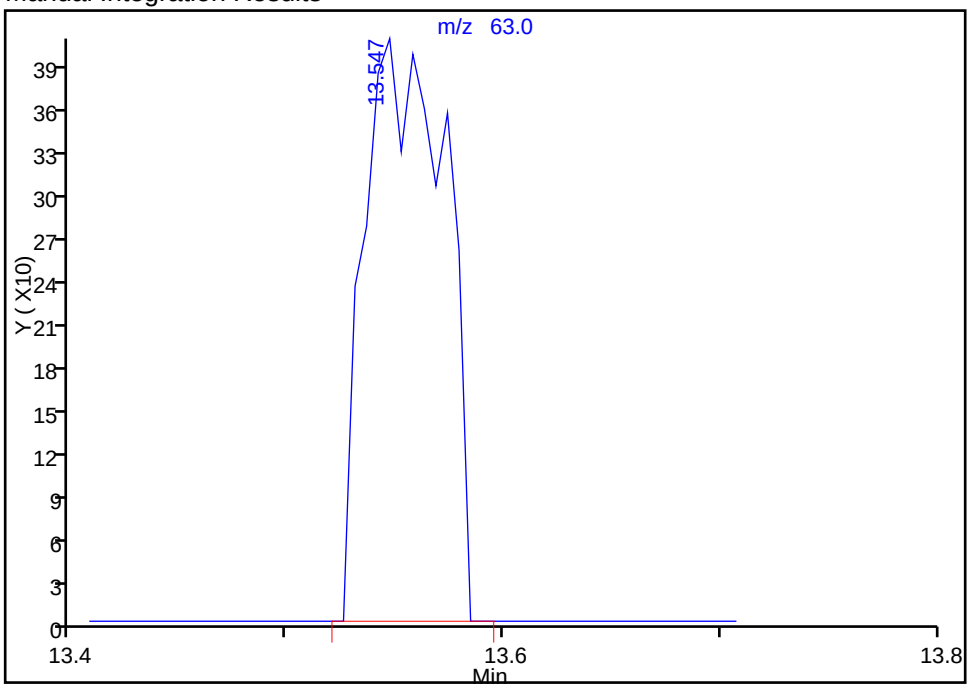
Processing Integration Results

Not Detected
Expected RT: 13.56



Manual Integration Results

RT: 13.55
Response: 1057
Amount: 0.146755



Reviewer: lyonsb, 30-Oct-2014 16:08:41
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

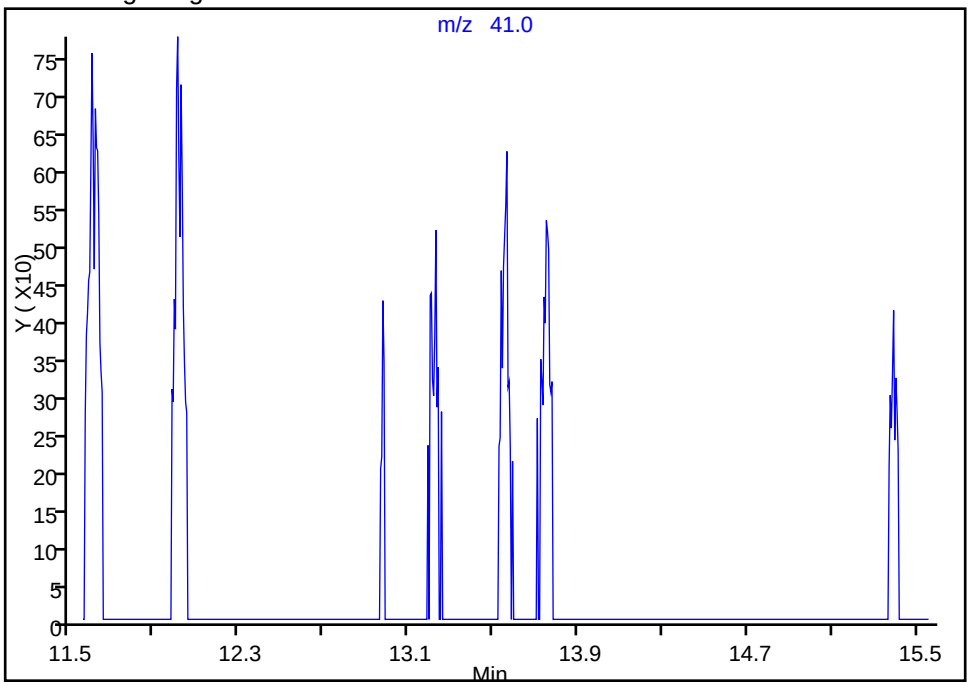
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

58 1,2-Dichloropropane, CAS: 78-87-5

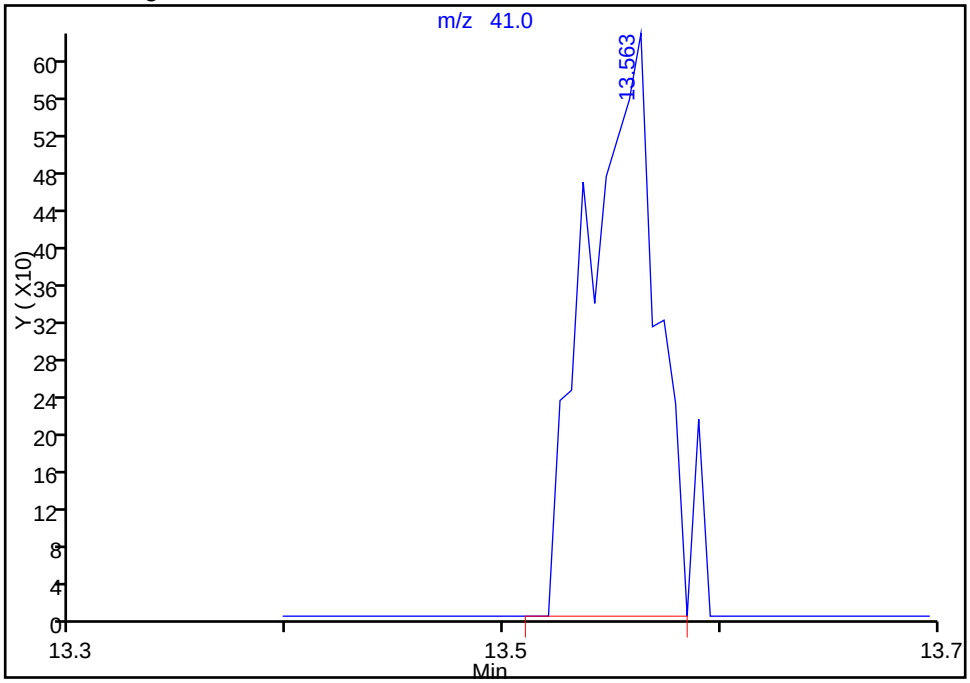
Processing Integration Results

Not Detected
Expected RT: 13.56



Manual Integration Results

RT: 13.56
Response: 1373
Amount: 0.146755



Reviewer: lyonsb, 30-Oct-2014 16:08:41
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

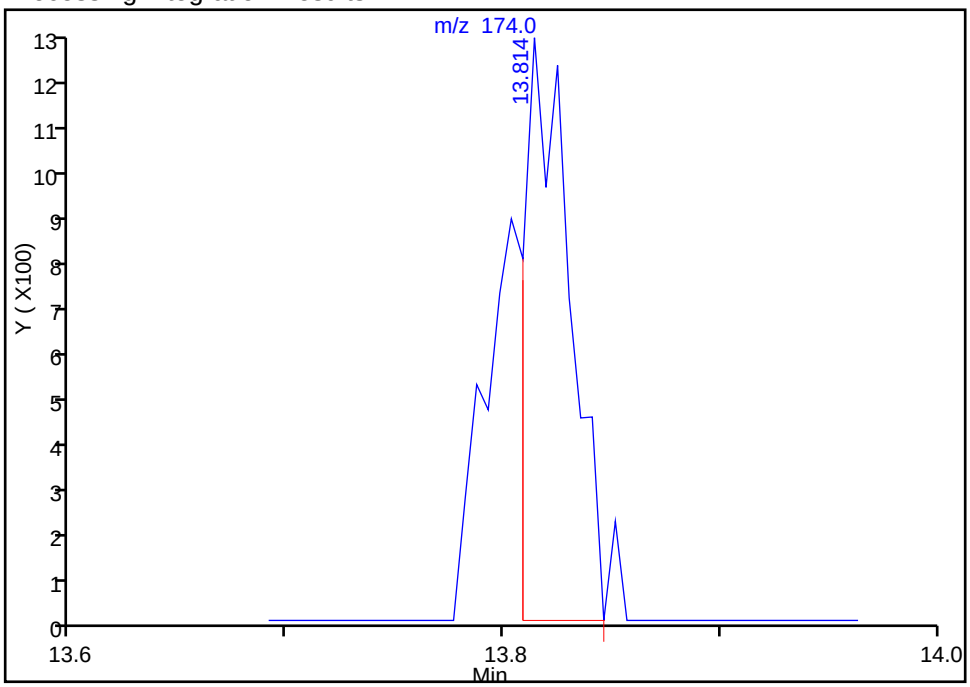
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

61 Dibromomethane, CAS: 74-95-3

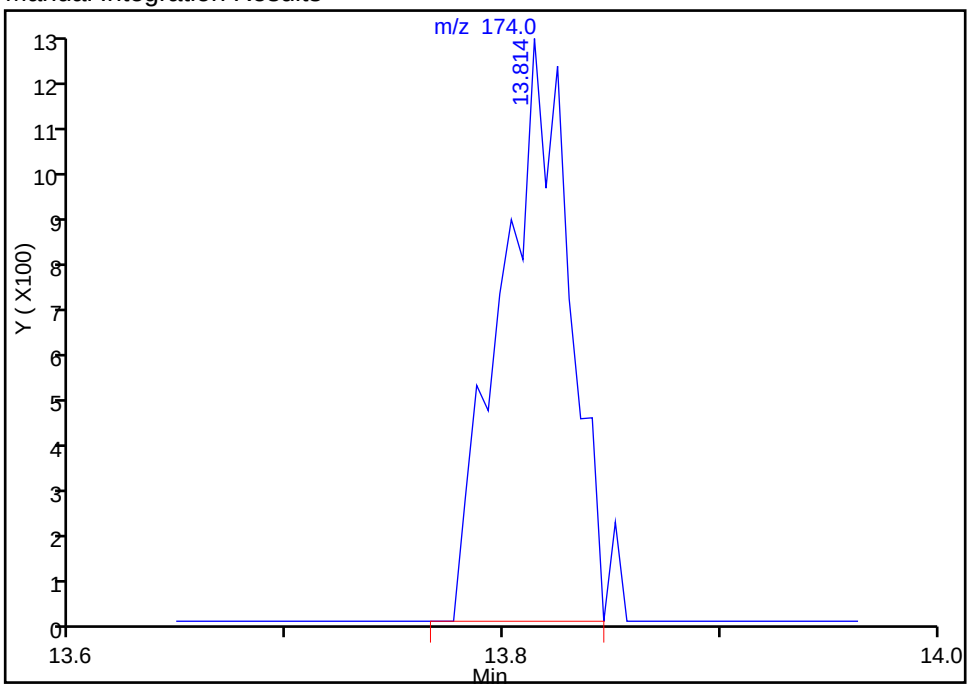
Processing Integration Results

RT: 13.81
Response: 1788
Amount: 0.108995



Manual Integration Results

RT: 13.81
Response: 2660
Amount: 0.156233



Reviewer: lyonsb, 30-Oct-2014 16:08:41
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

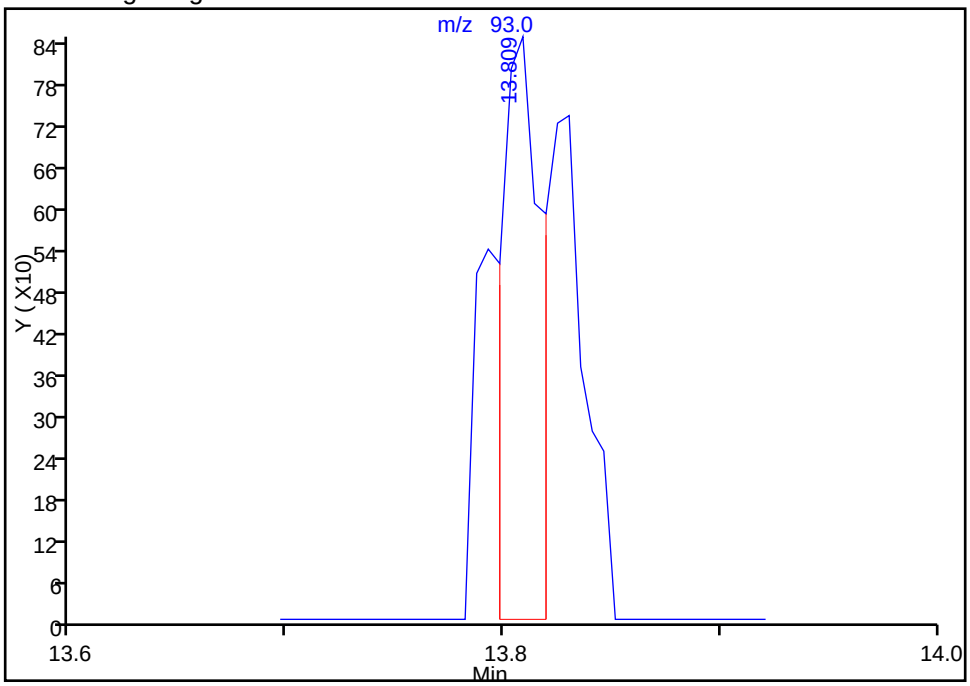
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D
Injection Date: 29-Oct-2014 17:54:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

61 Dibromomethane, CAS: 74-95-3

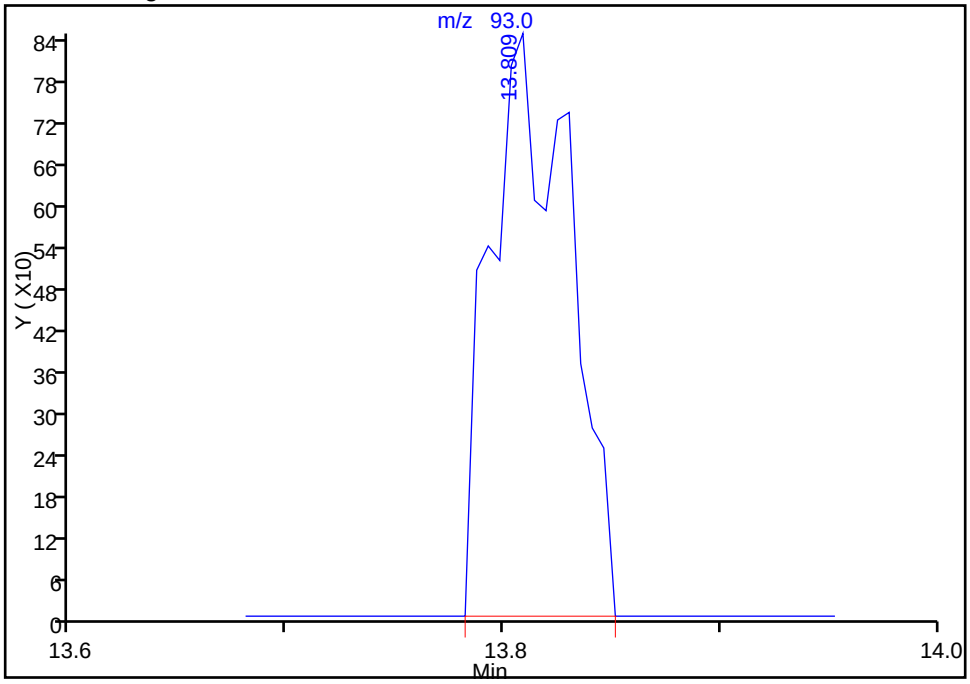
Processing Integration Results

RT: 13.81
Response: 1069
Amount: 0.108995



Manual Integration Results

RT: 13.81
Response: 2145
Amount: 0.156233



Reviewer: lyonsb, 30-Oct-2014 16:08:41
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

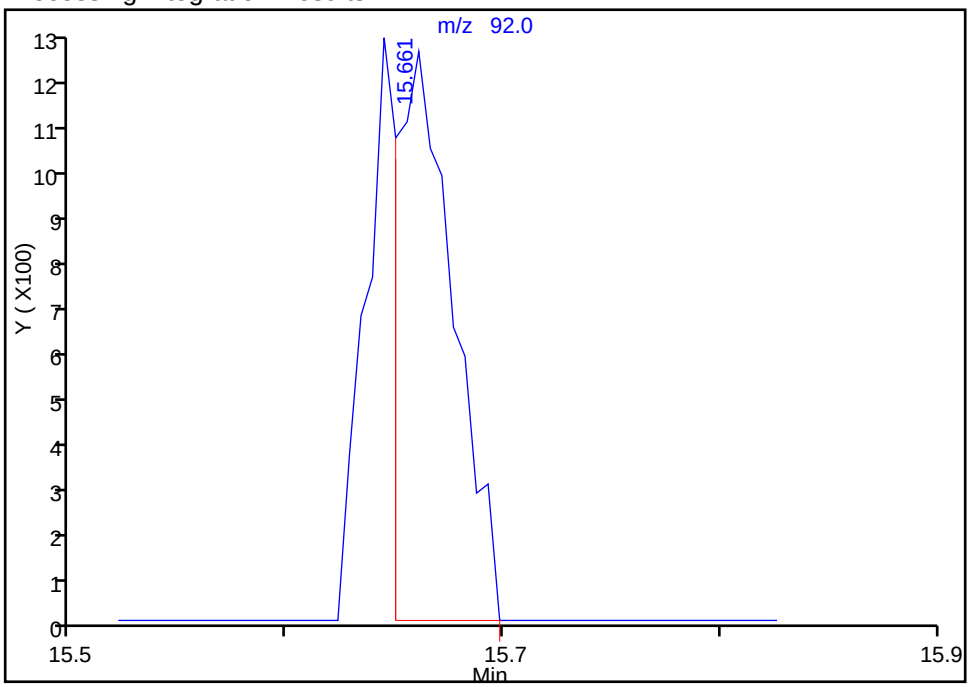
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

66 Toluene, CAS: 108-88-3

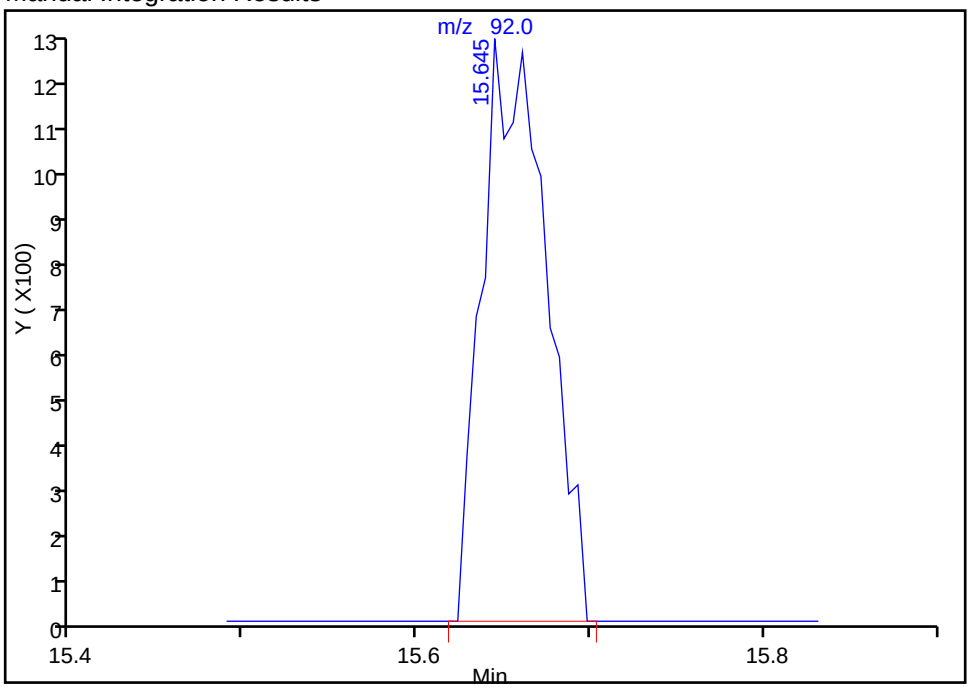
Processing Integration Results

RT: 15.66
Response: 2208
Amount: 0.134437



Manual Integration Results

RT: 15.64
Response: 3146
Amount: 0.184056



Reviewer: lyonsb, 30-Oct-2014 16:08:41
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

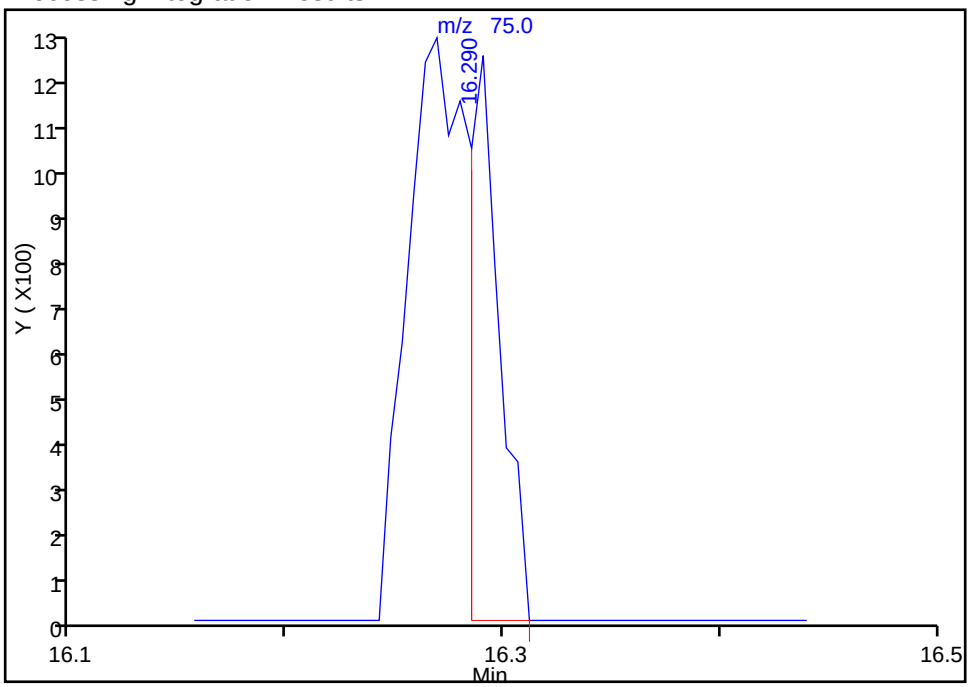
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

70 trans-1,3-Dichloropropene, CAS: 10061-02-6

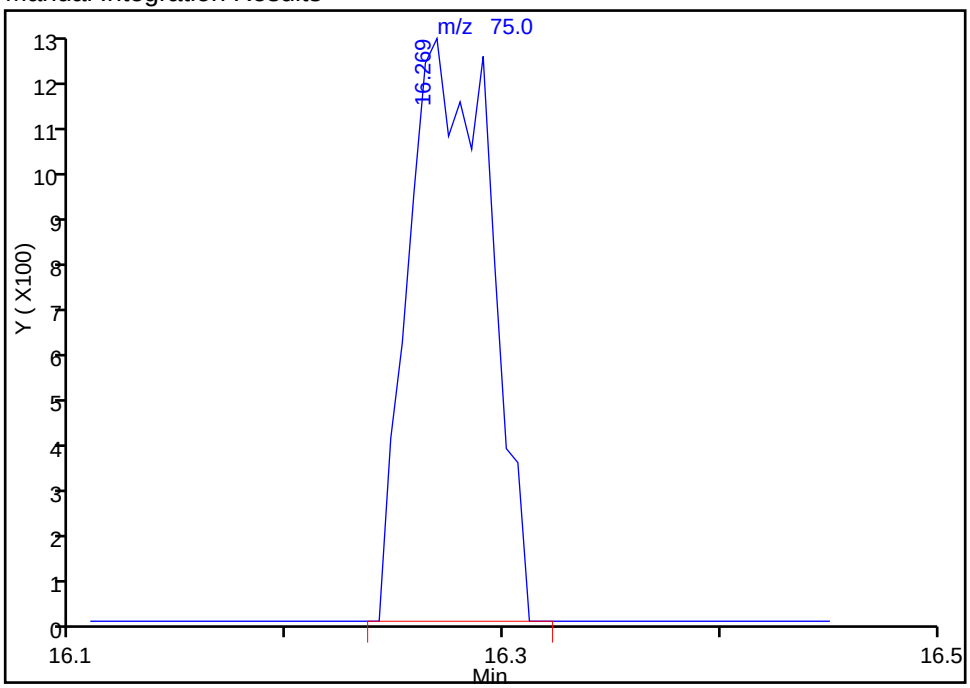
Processing Integration Results

RT: 16.29
Response: 1177
Amount: 0.066413



Manual Integration Results

RT: 16.27
Response: 3249
Amount: 0.169226



Reviewer: lyonsb, 30-Oct-2014 16:08:41
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

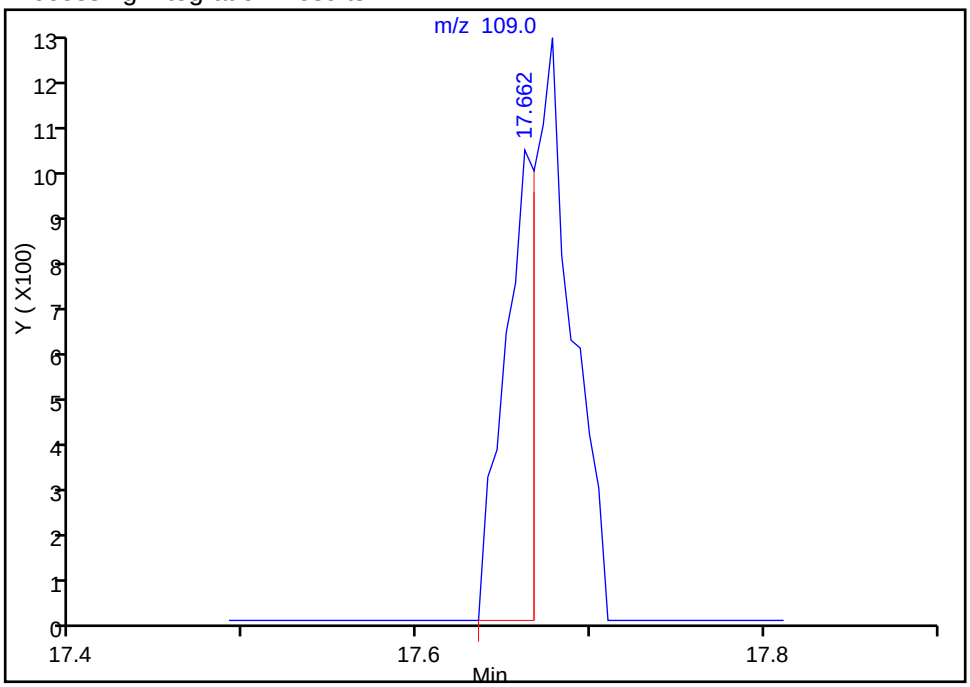
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

75 Ethylene Dibromide, CAS: 106-93-4

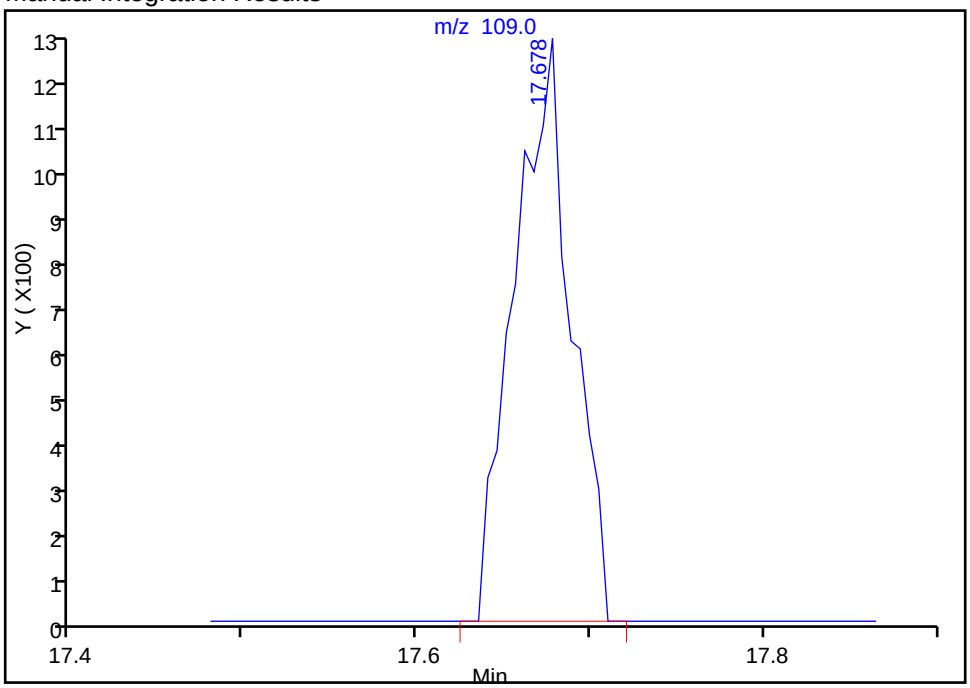
Processing Integration Results

RT: 17.66
Response: 1267
Amount: 0.153813



Manual Integration Results

RT: 17.68
Response: 2842
Amount: 0.153813



Reviewer: lyonsb, 30-Oct-2014 16:08:41
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

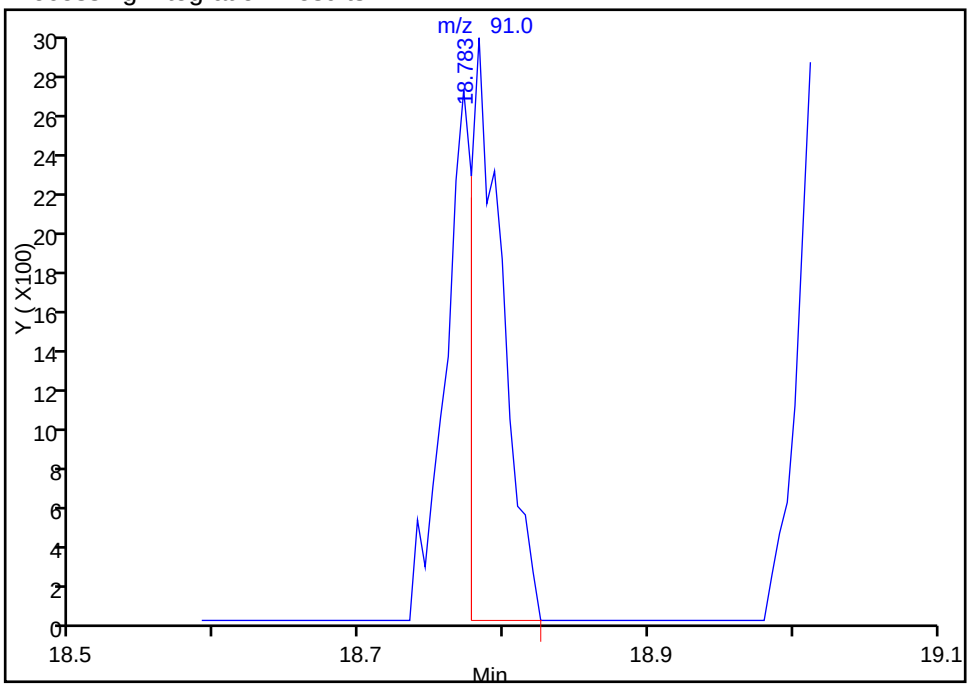
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4

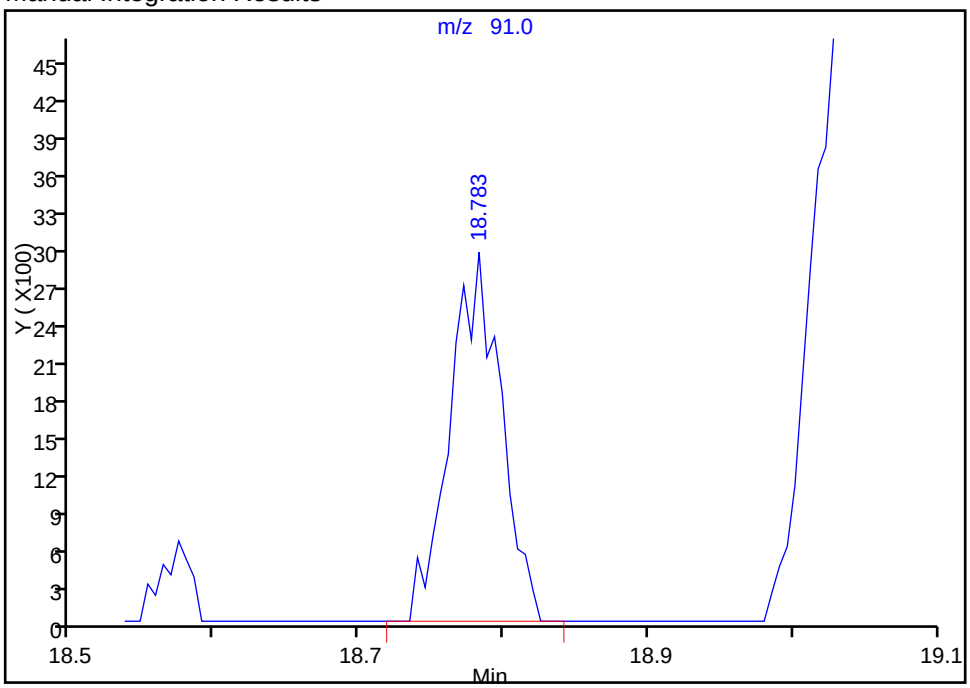
Processing Integration Results

RT: 18.78
Response: 4456
Amount: 0.104705



Manual Integration Results

RT: 18.78
Response: 7277
Amount: 0.163278



Reviewer: lyonsb, 30-Oct-2014 16:08:41
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

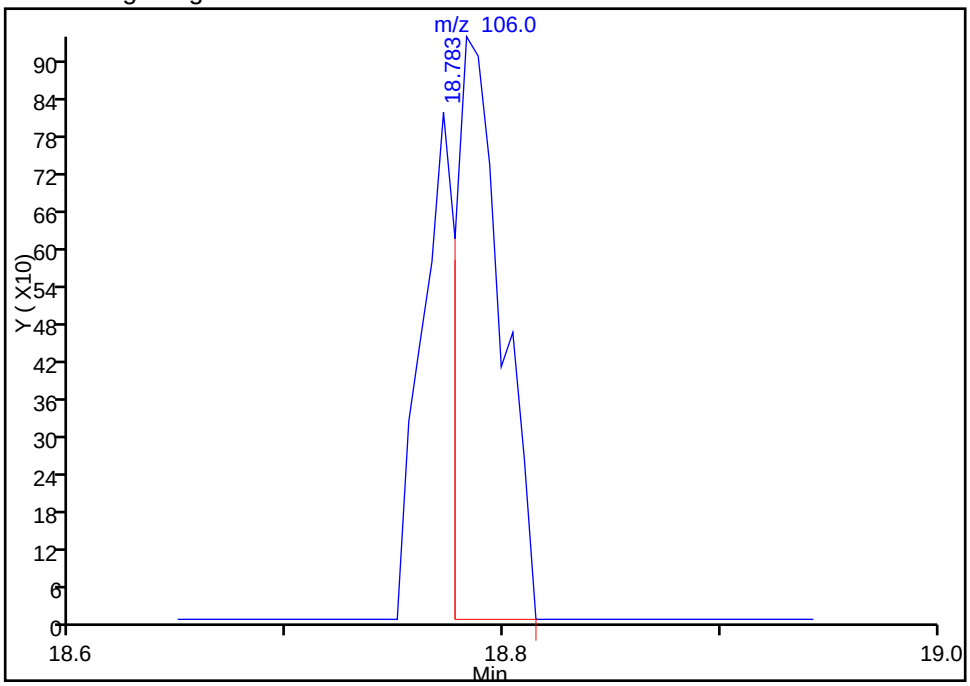
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4

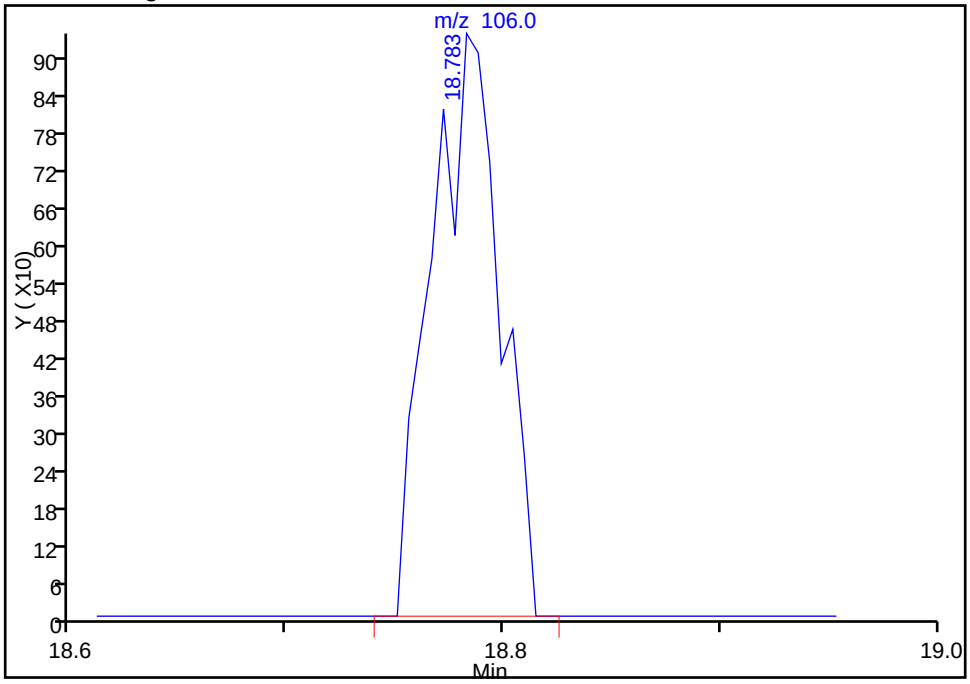
Processing Integration Results

RT: 18.78
Response: 1373
Amount: 0.104705



Manual Integration Results

RT: 18.78
Response: 2060
Amount: 0.163278



Reviewer: lyonsb, 30-Oct-2014 16:08:41
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

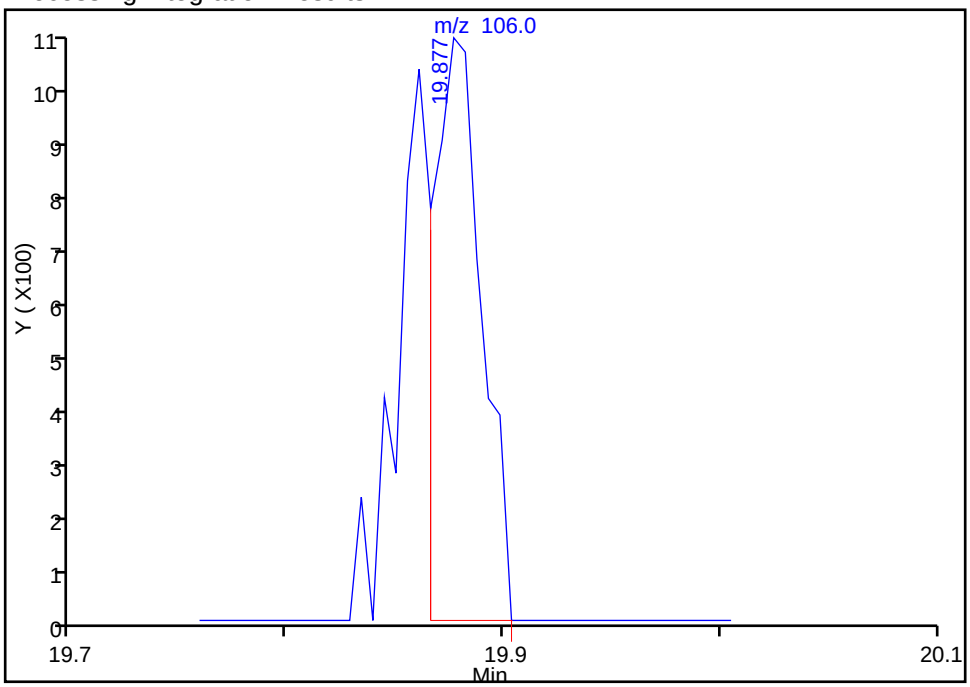
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6

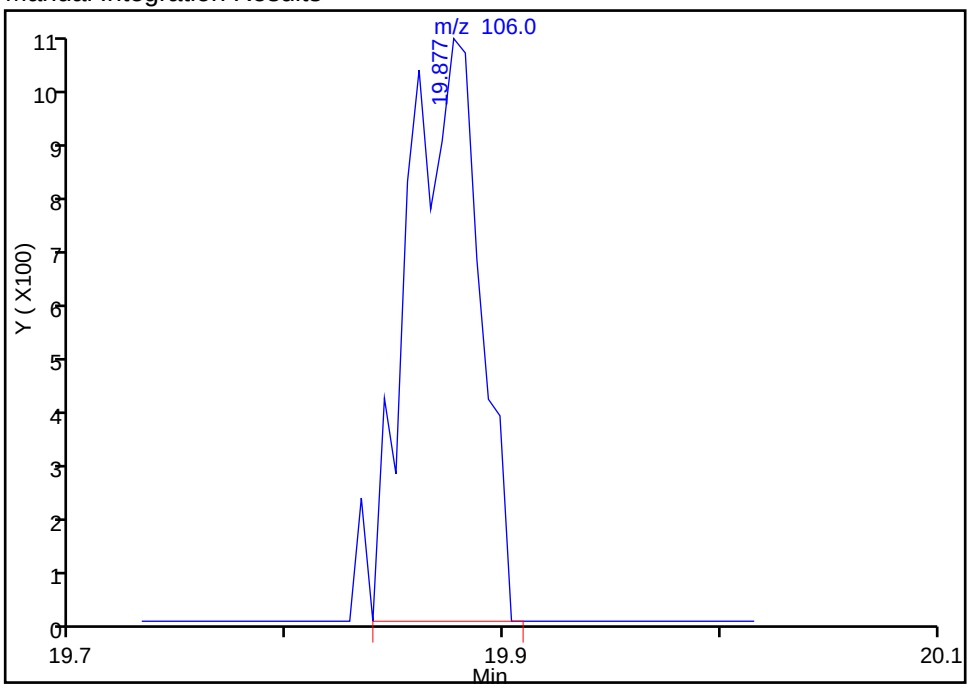
Processing Integration Results

RT: 19.88
Response: 1699
Amount: 0.105730



Manual Integration Results

RT: 19.88
Response: 2517
Amount: 0.151150



Reviewer: lyonsb, 30-Oct-2014 16:08:41
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

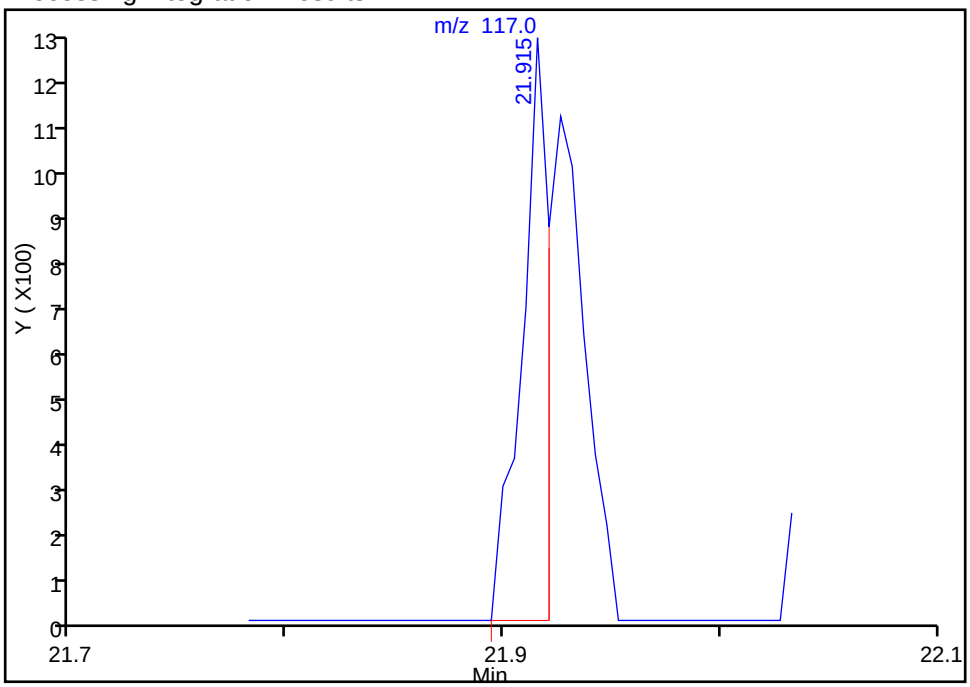
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_04.D				
Injection Date:	29-Oct-2014 17:54:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

95 Alpha Methyl Styrene, CAS: 98-83-9

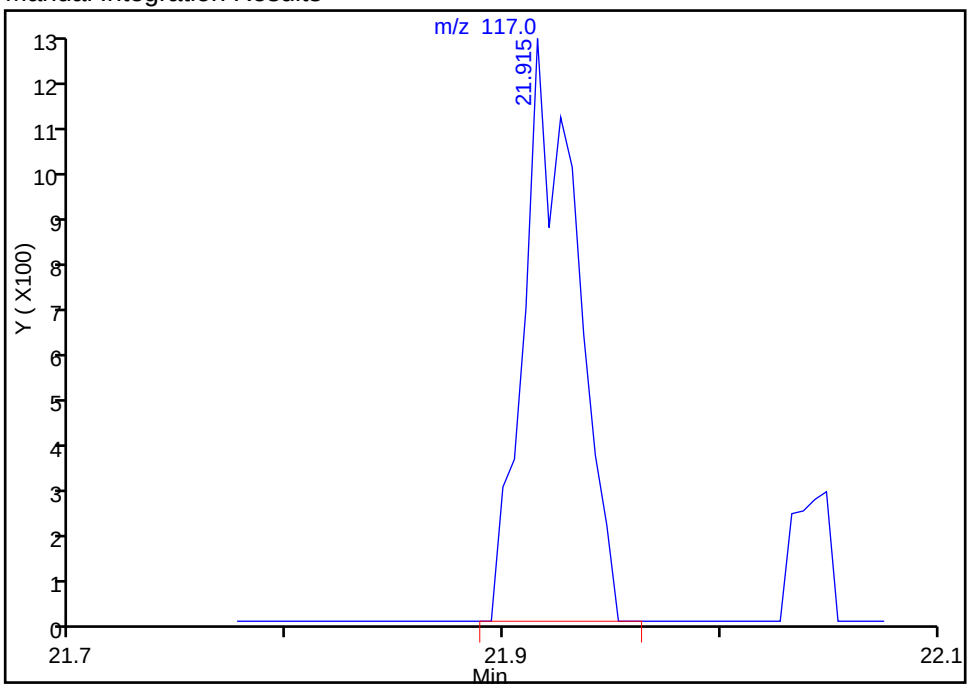
Processing Integration Results

RT: 21.92
Response: 1109
Amount: 0.127410



Manual Integration Results

RT: 21.92
Response: 2163
Amount: 0.127410



Reviewer: lyonsb, 30-Oct-2014 16:08:41
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_05.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 29-Oct-2014 18:41:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010262-005
Misc. Info.: level 3
Operator ID: pad Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 31-Oct-2014 10:09:42 Calib Date: 29-Oct-2014 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: lyonsb Date: 30-Oct-2014 16:03:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.991	2.991	-0.001	91	4289	0.5005	0.6841	
2 Dichlorodifluoromethane	85	3.060	3.060	0.000	99	29508	0.5005	0.6266	
6 Chlorodifluoromethane	51	3.119	3.119	0.000	95	12146	0.5005	0.6127	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.332	3.332	0.000	88	20563	0.5005	0.5726	
8 Chloromethane	50	3.476	3.476	0.000	97	4656	0.5005	0.6235	
9 Butane	43	3.684	3.679	0.005	91	7767	0.5005	0.5995	
10 Vinyl chloride	62	3.727	3.727	0.000	97	5790	0.5005	0.5723	
11 Butadiene	54	3.807	3.807	0.000	92	4032	0.5005	0.5727	
12 Bromomethane	94	4.517	4.512	0.005	96	8161	0.5005	0.6198	
13 Chloroethane	64	4.762	4.757	0.005	97	3247	0.5005	0.6024	
14 2-Methylbutane	43	4.837	4.837	0.000	84	6103	0.5005	0.6286	
15 Vinyl bromide	106	5.157	5.163	-0.006	95	6793	0.5005	0.5818	
16 Trichlorofluoromethane	101	5.275	5.269	0.006	98	30872	0.5005	0.6251	
17 Pentane	43	5.419	5.419	0.000	83	6152	0.5005	0.5545	
19 Ethanol	45	5.920	5.915	0.005	95	15864	5.01	5.79	M
21 Ethyl ether	59	5.985	5.969	0.016	71	2914	0.5005	0.5546	
22 Acrolein	56	6.379	6.374	0.005	34	1328	0.5005	0.6239	
23 1,1,2-Trichloro-1,2,2-trif	101	6.385	6.390	-0.005	90	14528	0.5005	0.5794	
24 1,1-Dichloroethene	96	6.427	6.428	-0.001	95	5563	0.5005	0.5518	
25 Acetone	43	6.710	6.700	0.010	84	20988	0.5005	1.42	
26 Carbon disulfide	76	6.806	6.806	0.000	98	13242	0.5005	0.5464	
27 Isopropyl alcohol	45	7.047	7.036	0.011	95	4705	0.5005	0.5020	
29 3-Chloro-1-propene	41	7.249	7.249	0.000	77	4356	0.5005	0.5191	M
30 Acetonitrile	41	7.415	7.404	0.011	89	2362	0.5005	0.5811	
31 Methylene Chloride	49	7.554	7.554	0.000	92	6863	0.5005	0.6602	
32 2-Methyl-2-propanol	59	7.847	7.815	0.032	73	8473	0.5005	0.4539	
33 Methyl tert-butyl ether	73	7.986	7.970	0.016	94	16614	0.5005	0.5181	
34 trans-1,2-Dichloroethene	61	7.991	7.997	-0.006	93	7856	0.5005	0.5550	
35 Acrylonitrile	53	8.178	8.178	0.000	69	2485	0.5005	0.5234	M
36 Hexane	57	8.391	8.386	0.005	86	5289	0.5005	0.5015	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.888	8.893	-0.005	97	9524	0.5005	0.5601	
38 Vinyl acetate	43	8.995	8.989	0.006	98	7680	0.5005	0.3970	
39 cis-1,2-Dichloroethene	96	10.030	10.035	-0.005	93	5390	0.5005	0.5311	M
40 2-Butanone (MEK)	72	10.110	10.105	0.005	98	2314	0.5005	0.5733	
42 Ethyl acetate	88		10.153					ND	
S 41 1,2-Dichloroethene, Total	61				0		1.00	1.09	
* 43 Chlorobromomethane	128	10.505	10.510	-0.005	71	110367	10.0	10.0	
44 Tetrahydrofuran	42	10.542	10.521	0.021	63	3135	0.5005	0.4764	
45 Chloroform	83	10.649	10.654	-0.005	97	14364	0.5005	0.5484	
46 Cyclohexane	84	10.878	10.868	0.010	58	5901	0.5005	0.5314	M
47 1,1,1-Trichloroethane	97	10.905	10.916	-0.011	98	19265	0.5005	0.5554	
48 Carbon tetrachloride	117	11.151	11.161	-0.010	96	23350	0.5005	0.5587	
51 Isooctane	57	11.599	11.610	-0.011	92	15692	0.5005	0.5050	
50 Benzene	78	11.642	11.642	0.000	95	12898	0.5005	0.5467	M
52 1,2-Dichloroethane	62	11.844	11.844	0.000	96	11547	0.5005	0.5689	
53 n-Heptane	43	12.021	12.015	0.006	76	5434	0.5005	0.5101	M
* 54 1,4-Difluorobenzene	114	12.512	12.517	-0.005	95	433307	10.0	10.0	
55 n-Butanol	56	12.976	12.955	0.021	42	1727	0.5005	0.5743	
56 Trichloroethene	95	12.981	12.976	0.005	91	6649	0.5005	0.5347	
A 57 GRO	1	13.139	(4.827-21.450)		0	2140360	0.5005	0	
58 1,2-Dichloropropane	63	13.547	13.558	-0.011	56	3582	0.5005	0.5213	M
59 Methyl methacrylate	69	13.739	13.744	-0.005	85	2928	0.5005	0.3946	
60 1,4-Dioxane	88	13.819	13.803	0.016	38	1637	0.5005	0.4699	
61 Dibromomethane	174	13.814	13.819	-0.005	91	7677	0.5005	0.4726	
62 Dichlorobromomethane	83	14.118	14.123	-0.005	96	13859	0.5005	0.5038	
A 63 TVOC as Toluene	1	14.844	(2.981-26.707)		0	4247689	0.5005	233.3	
64 cis-1,3-Dichloropropene	75	15.073	15.073	0.000	88	7133	0.5005	0.5069	M
65 4-Methyl-2-pentanone (MIBK	43	15.383	15.378	0.005	89	7628	0.5005	0.4472	
A 67 Toluene Range	1	15.660	(15.620-15.700)		0	39087	NC	NC	
66 Toluene	92	15.655	15.660	-0.005	91	8233	0.5005	0.4984	
68 n-Octane	43	15.719	15.719	0.000	79	7732	0.5005	0.5019	
A 69 C8 Range	1	15.954	(15.718-16.168)		0	37402	NC	NC	
70 trans-1,3-Dichloropropene	75	16.274	16.279	-0.005	62	8923	0.5005	0.4872	
71 1,1,2-Trichloroethane	83	16.653	16.653	0.000	74	4196	0.5005	0.5224	M
72 Tetrachloroethene	166	16.728	16.738	-0.010	90	11818	0.5005	0.4956	
73 2-Hexanone	43	17.117	17.112	0.005	92	8280	0.5005	0.4958	
74 Chlorodibromomethane	129	17.405	17.411	-0.006	96	13744	0.5005	0.4777	
75 Ethylene Dibromide	107	17.667	17.672	-0.005	97	8969	0.5005	0.4847	
* 76 Chlorobenzene-d5	117	18.569	18.569	0.000	94	393232	10.0	10.0	
77 Chlorobenzene	112	18.628	18.628	0.000	90	13499	0.5005	0.5160	
78 Ethylbenzene	91	18.782	18.782	0.000	98	21912	0.5005	0.5087	
79 n-Nonane	57	18.900	18.905	-0.005	81	7722	0.5005	0.5249	
81 m-Xylene & p-Xylene	106	19.033	19.033	0.000	0	16993	1.00	1.01	
83 o-Xylene	106	19.871	19.871	0.000	91	7901	0.5005	0.4909	
84 Styrene	104	19.919	19.925	-0.006	92	9785	0.5005	0.4233	
S 82 Xylenes, Total	106				0		1.50	1.50	
85 Bromoform	173	20.341	20.346	-0.005	93	15167	0.5005	0.4419	
86 Isopropylbenzene	105	20.549	20.549	0.000	97	26401	0.5005	0.4961	
88 1,1,2,2-Tetrachloroethane	83	21.205	21.205	0.000	87	11395	0.5005	0.5186	
90 N-Propylbenzene	91	21.264	21.264	0.000	97	32727	0.5005	0.5236	
89 1,2,3-Trichloropropane	75	21.296	21.296	0.000	90	11306	0.5005	0.5096	
93 n-Decane	57	21.435	21.440	-0.005	78	10638	0.5005	0.4736	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 4-Ethyltoluene	105	21.446	21.451	-0.005	93	27772	0.5005	0.4820	
92 2-Chlorotoluene	91	21.456	21.456	0.000	93	27059	0.5005	0.5231	
94 1,3,5-Trimethylbenzene	105	21.552	21.558	-0.006	89	25089	0.5005	0.5234	
95 Alpha Methyl Styrene	118	21.921	21.921	0.000	80	9051	0.5005	0.4444	
96 tert-Butylbenzene	119	22.038	22.043	-0.005	85	24798	0.5005	0.5214	
97 1,2,4-Trimethylbenzene	105	22.134	22.139	-0.005	97	25328	0.5005	0.5237	
98 sec-Butylbenzene	105	22.363	22.364	-0.001	95	34733	0.5005	0.5510	
99 4-Isopropyltoluene	119	22.561	22.566	-0.005	95	31684	0.5005	0.5250	
100 1,3-Dichlorobenzene	146	22.588	22.593	-0.005	91	18769	0.5005	0.5111	
101 1,4-Dichlorobenzene	146	22.732	22.732	0.000	89	17836	0.5005	0.4881	
102 Benzyl chloride	91	22.929	22.929	0.000	95	21099	0.5005	0.4976	
103 n-Butylbenzene	91	23.132	23.132	0.000	95	28643	0.5005	0.5248	
104 Undecane	57	23.153	23.153	0.000	83	12331	0.5005	0.5064	
105 1,2-Dichlorobenzene	146	23.260	23.260	0.000	89	16390	0.5005	0.4819	
106 Dodecane	57	24.728	24.728	0.000	85	9871	0.5005	0.4100	
107 1,2,4-Trichlorobenzene	180	25.736	25.742	-0.006	92	12511	0.5005	0.3374	
108 Hexachlorobutadiene	225	25.929	25.923	0.006	92	24439	0.5005	0.4899	
109 Naphthalene	128	26.217	26.227	-0.010	96	10894	0.5005	0.2067	
110 1,2,3-Trichlorobenzene	180	26.702	26.697	0.005	90	10578	0.5005	0.3125	
$ 87 4-Bromofluorobenzene	95	20.917	20.917	0.000	90	354062	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard
NC - Not Calibrated
ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL2w_00147	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

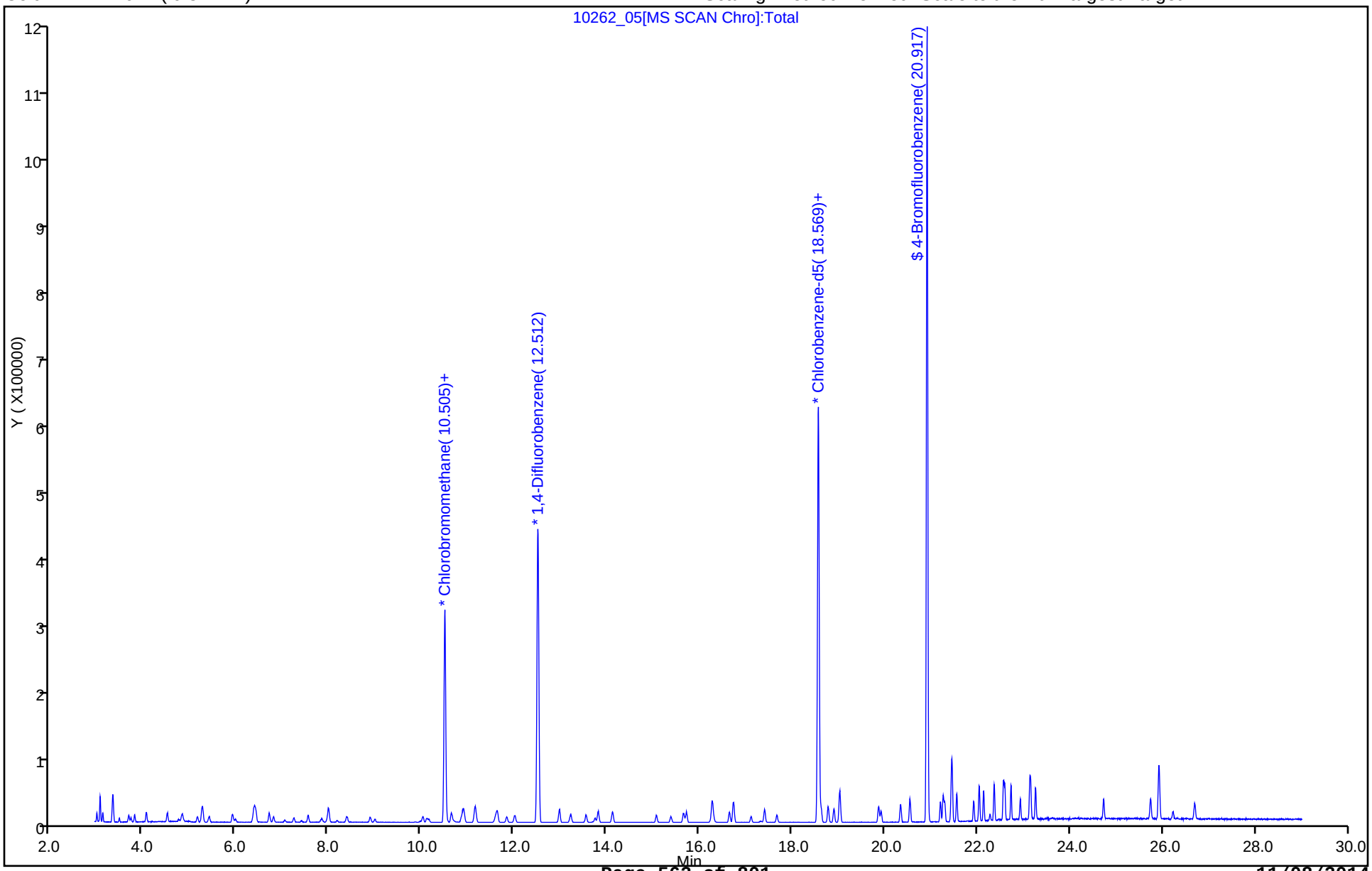
Report Date: 31-Oct-2014 10:09:43 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_05.D

Injection Date:	29-Oct-2014 18:41:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	5
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

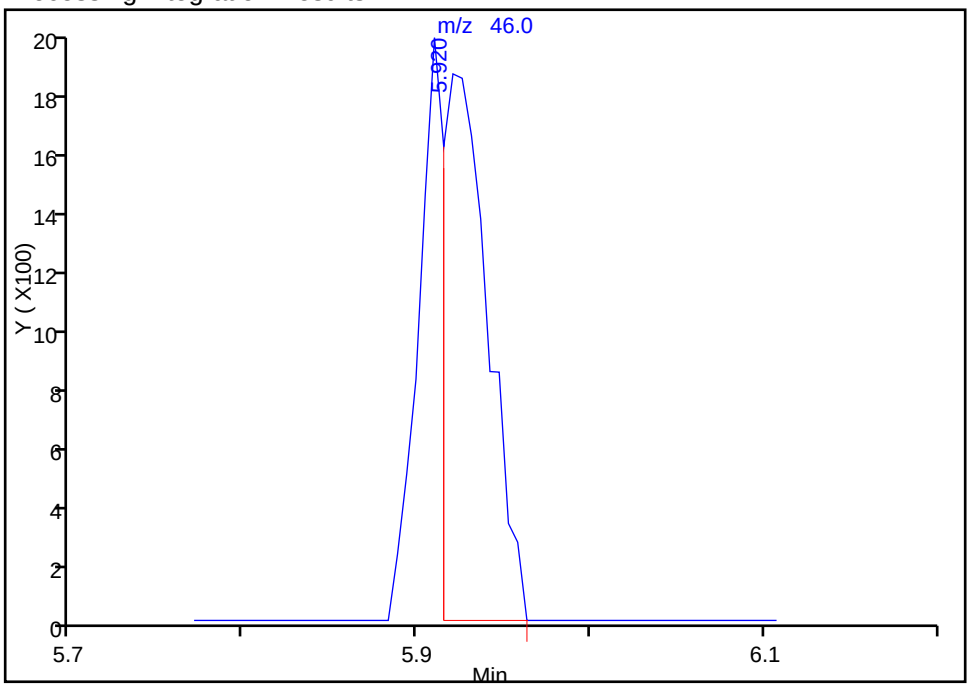
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_05.D				
Injection Date:	29-Oct-2014 18:41:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

19 Ethanol, CAS: 64-17-5

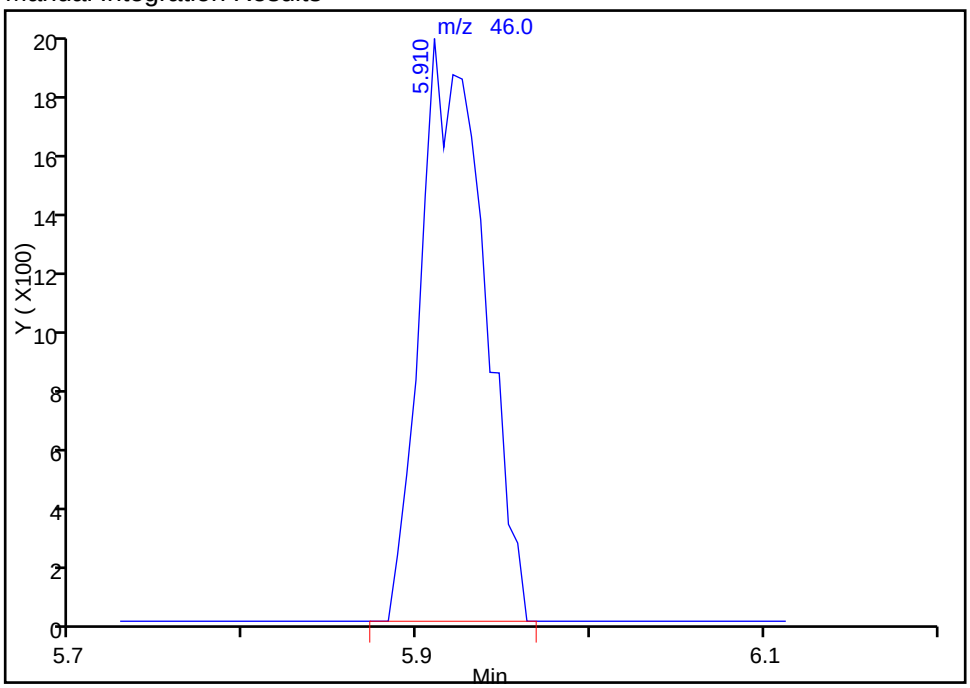
Processing Integration Results

RT: 5.92
Response: 3401
Amount: 5.669081



Manual Integration Results

RT: 5.91
Response: 4994
Amount: 5.793932



Reviewer: lyonsb, 30-Oct-2014 16:03:27
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

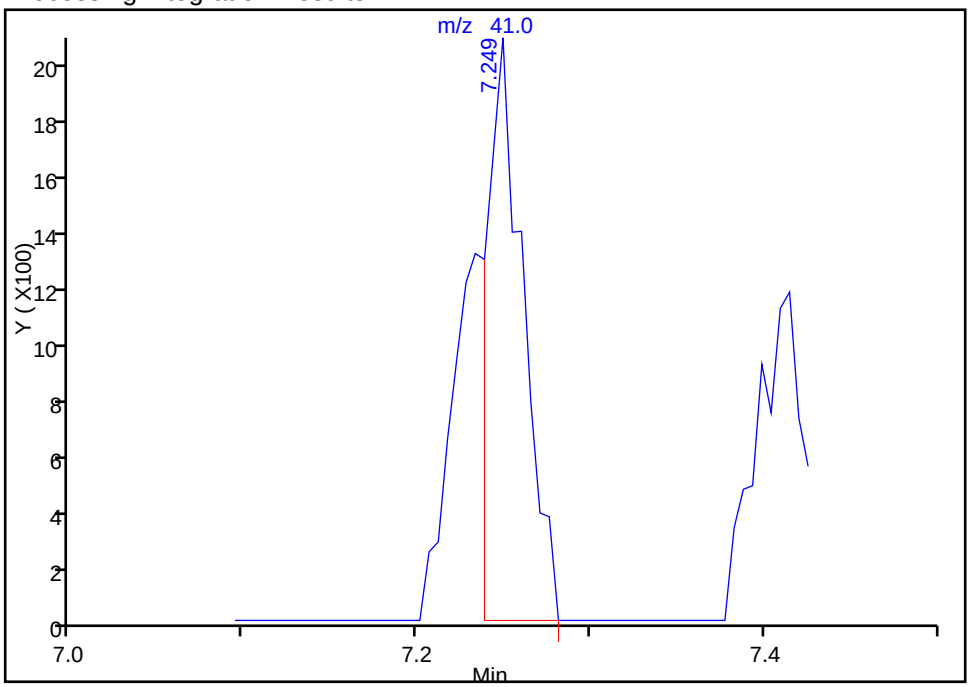
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_05.D				
Injection Date:	29-Oct-2014 18:41:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

29 3-Chloro-1-propene, CAS: 107-05-1

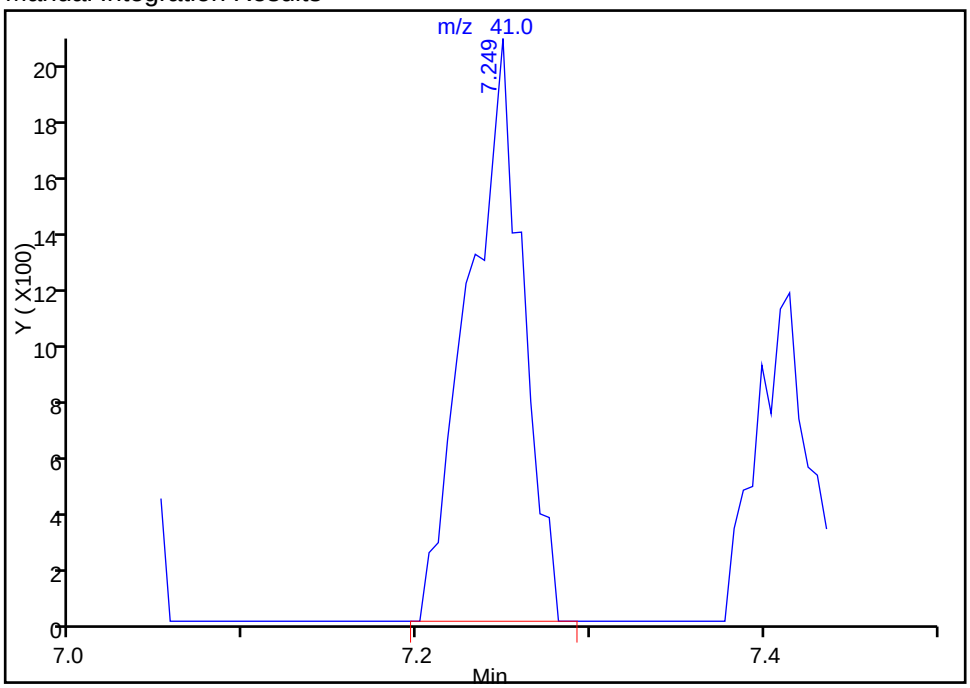
Processing Integration Results

RT: 7.25
Response: 2917
Amount: 0.365485



Manual Integration Results

RT: 7.25
Response: 4356
Amount: 0.519069



Reviewer: lyonsb, 30-Oct-2014 16:03:27
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

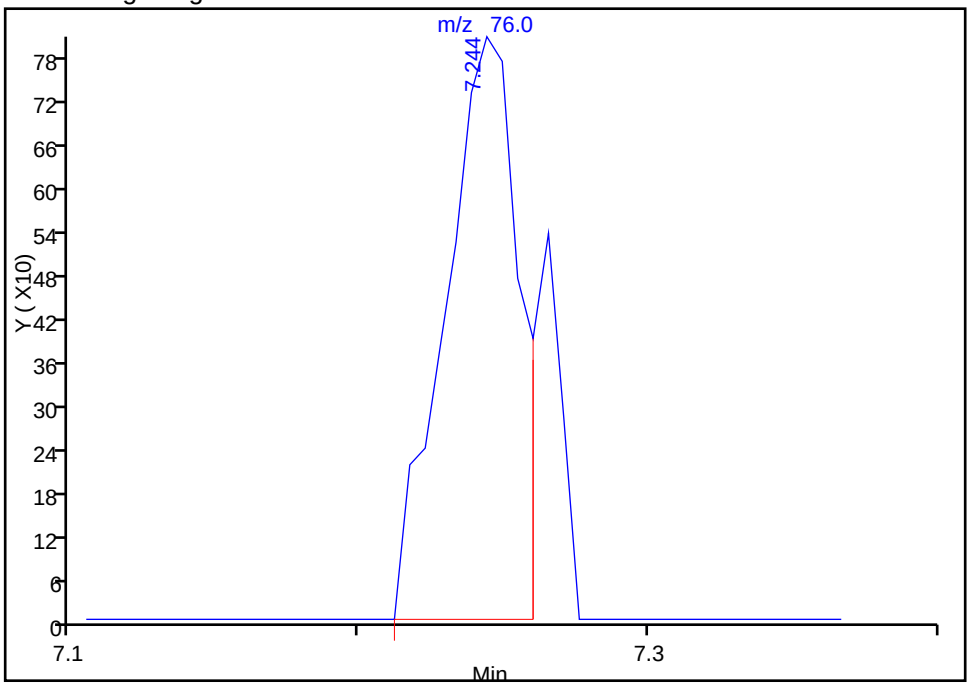
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_05.D				
Injection Date:	29-Oct-2014 18:41:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

29 3-Chloro-1-propene, CAS: 107-05-1

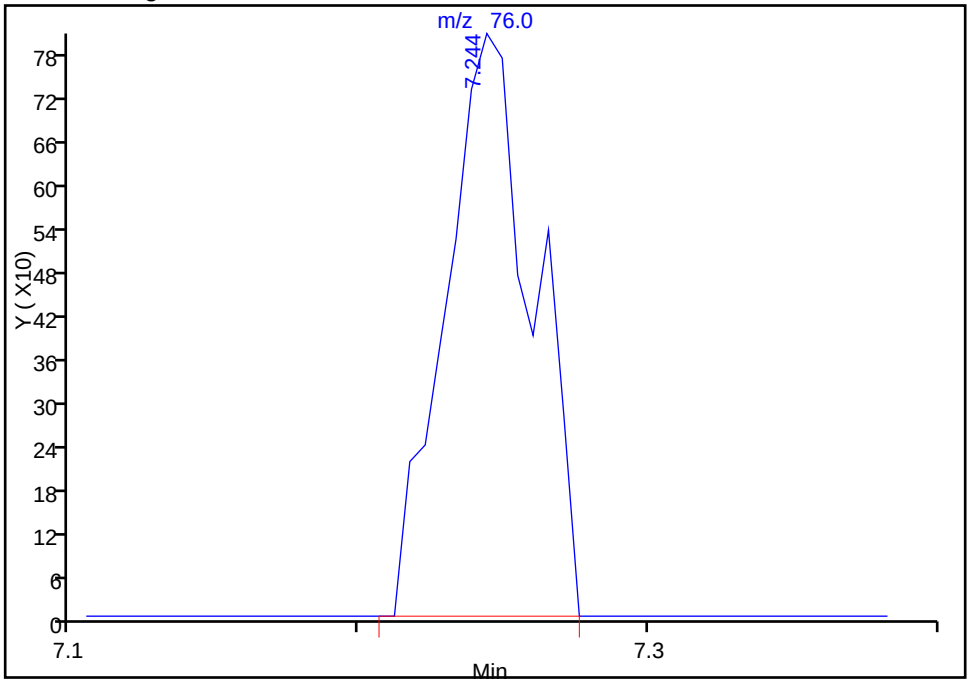
Processing Integration Results

RT: 7.24
Response: 1442
Amount: 0.365485



Manual Integration Results

RT: 7.24
Response: 1701
Amount: 0.519069



Reviewer: lyonsb, 30-Oct-2014 16:03:27
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

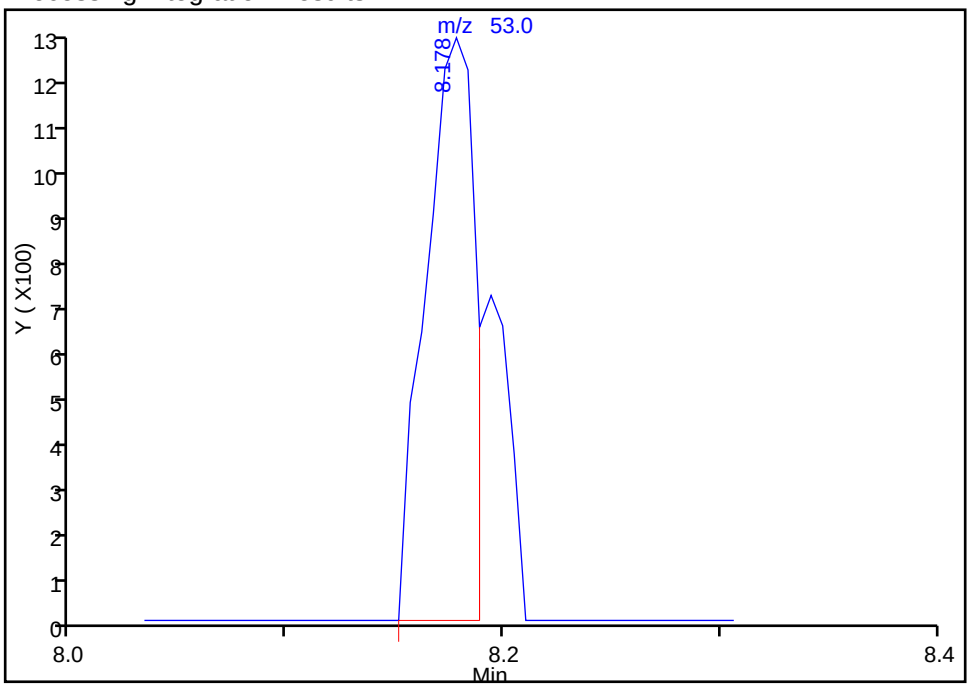
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_05.D				
Injection Date:	29-Oct-2014 18:41:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

35 Acrylonitrile, CAS: 107-13-1

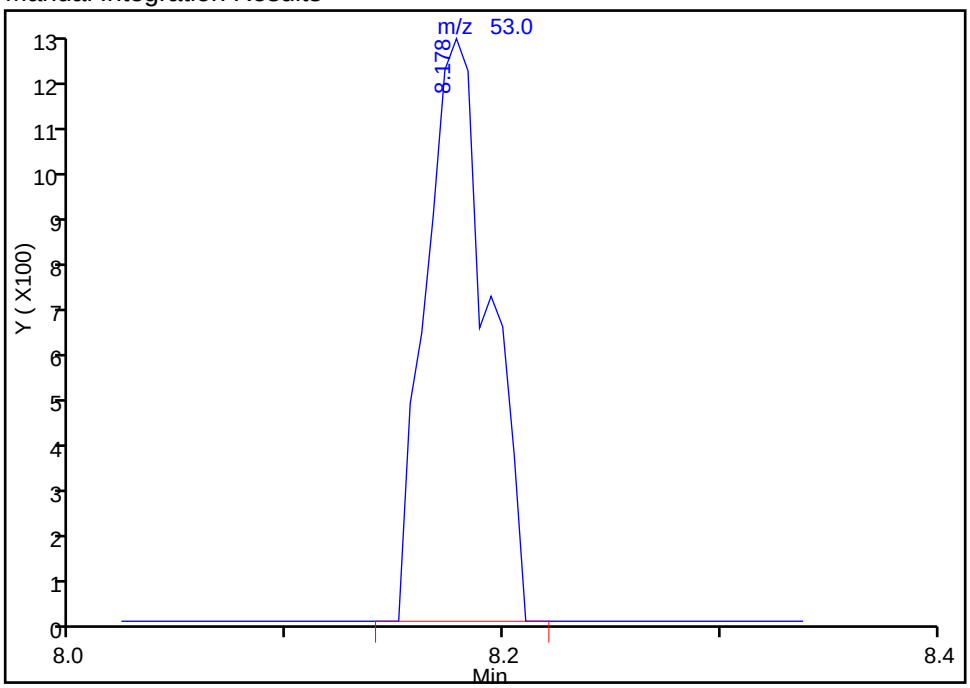
Processing Integration Results

RT: 8.18
Response: 1954
Amount: 0.427465



Manual Integration Results

RT: 8.18
Response: 2485
Amount: 0.523381



Reviewer: lyonsb, 30-Oct-2014 16:03:27
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

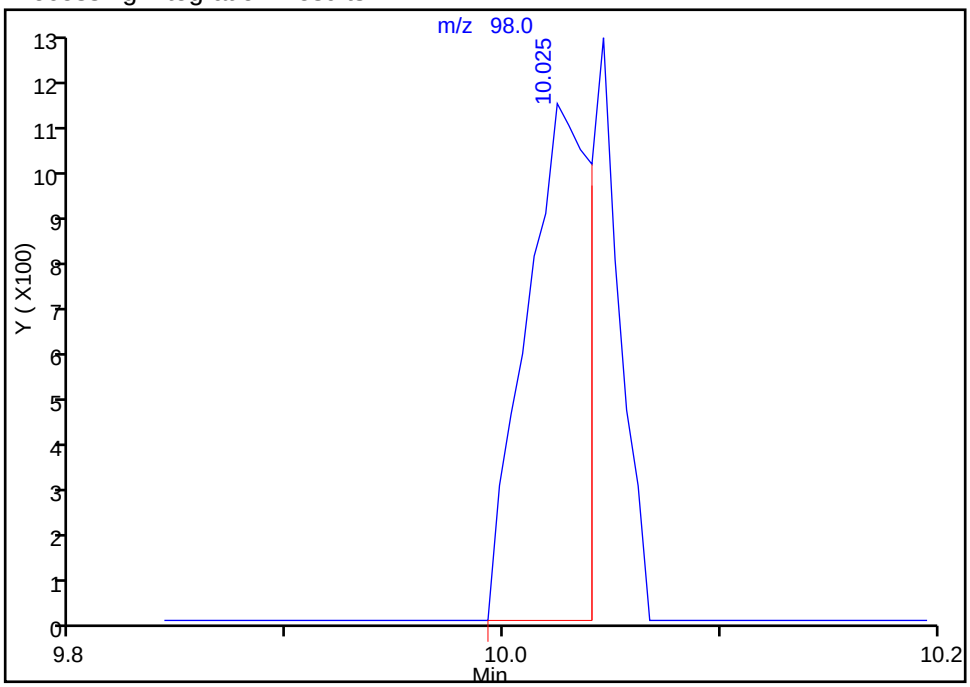
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_05.D				
Injection Date:	29-Oct-2014 18:41:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

39 cis-1,2-Dichloroethene, CAS: 156-59-2

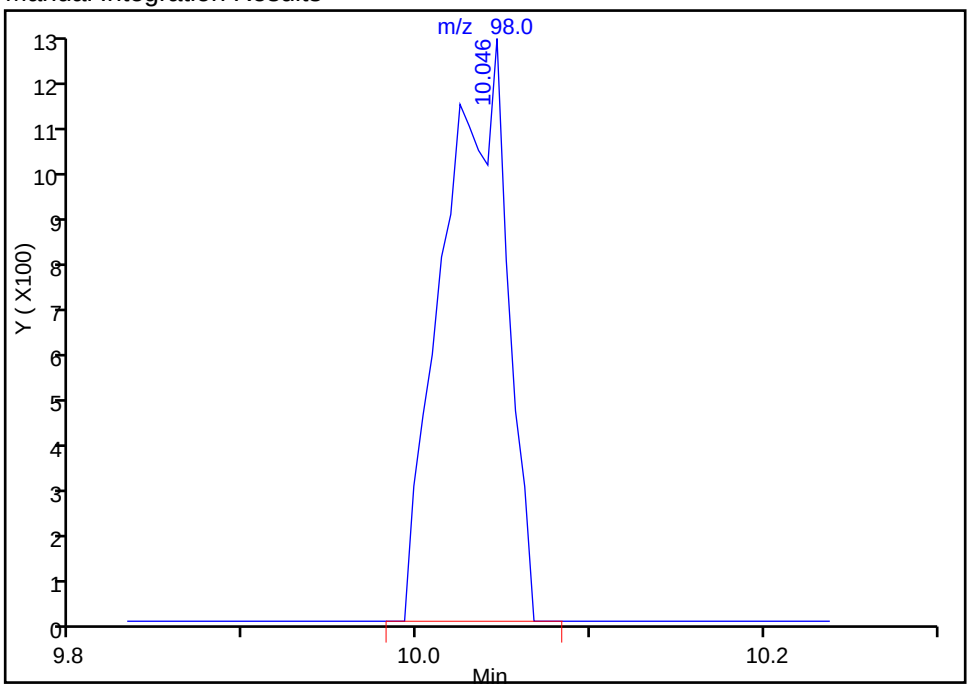
Processing Integration Results

RT: 10.02
Response: 2243
Amount: 0.531136



Manual Integration Results

RT: 10.05
Response: 3114
Amount: 0.531136



Reviewer: lyonsb, 30-Oct-2014 16:03:27
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

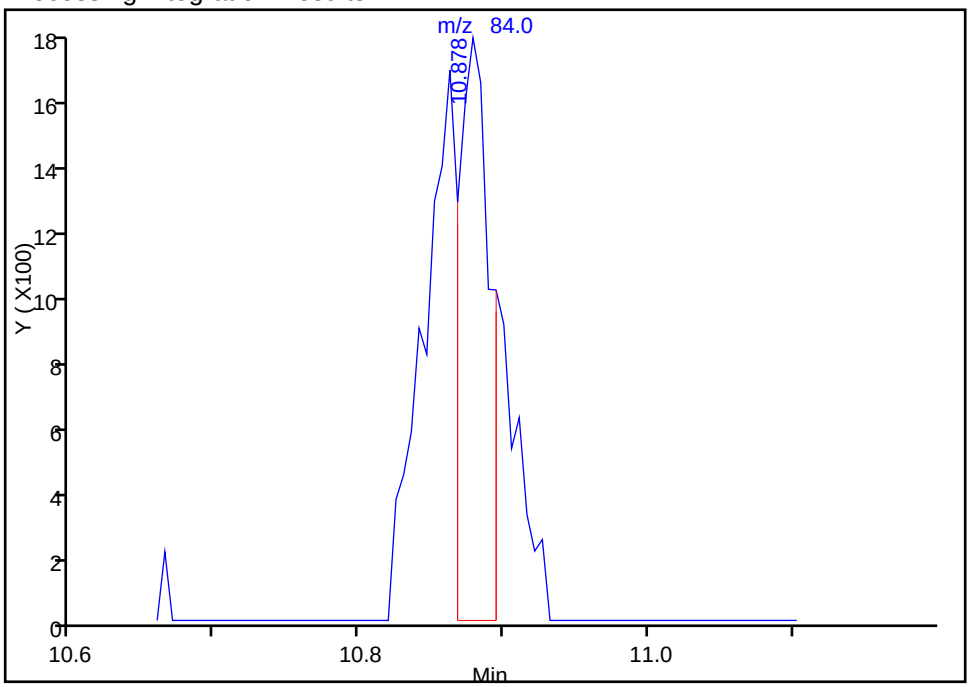
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_05.D				
Injection Date:	29-Oct-2014 18:41:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

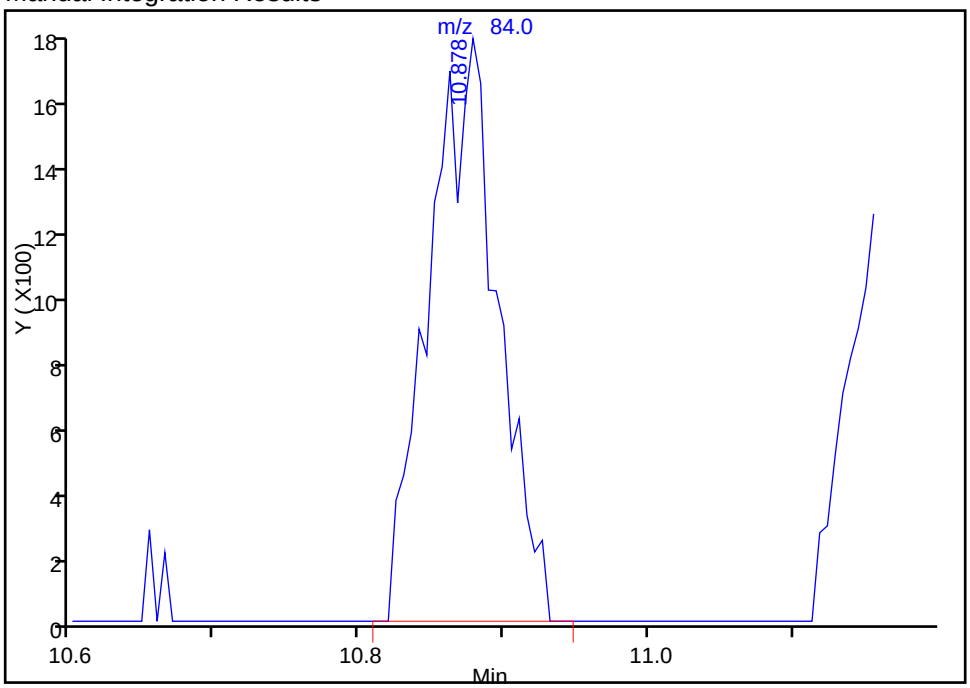
Processing Integration Results

RT: 10.88
Response: 2637
Amount: 0.259215



Manual Integration Results

RT: 10.88
Response: 5901
Amount: 0.531394



Reviewer: lyonsb, 30-Oct-2014 16:03:27
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

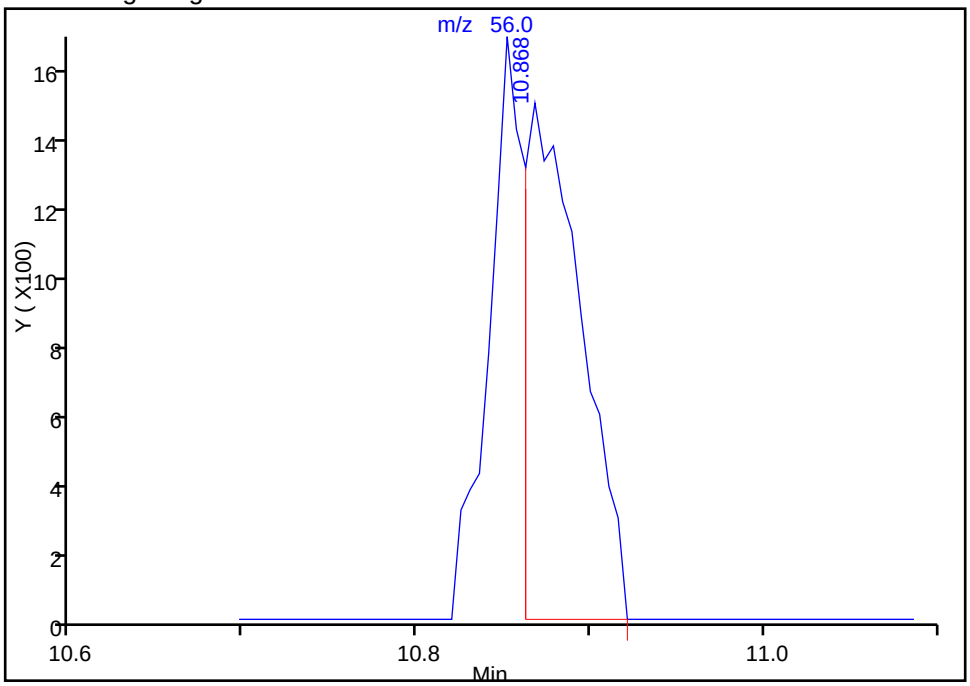
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_05.D				
Injection Date:	29-Oct-2014 18:41:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

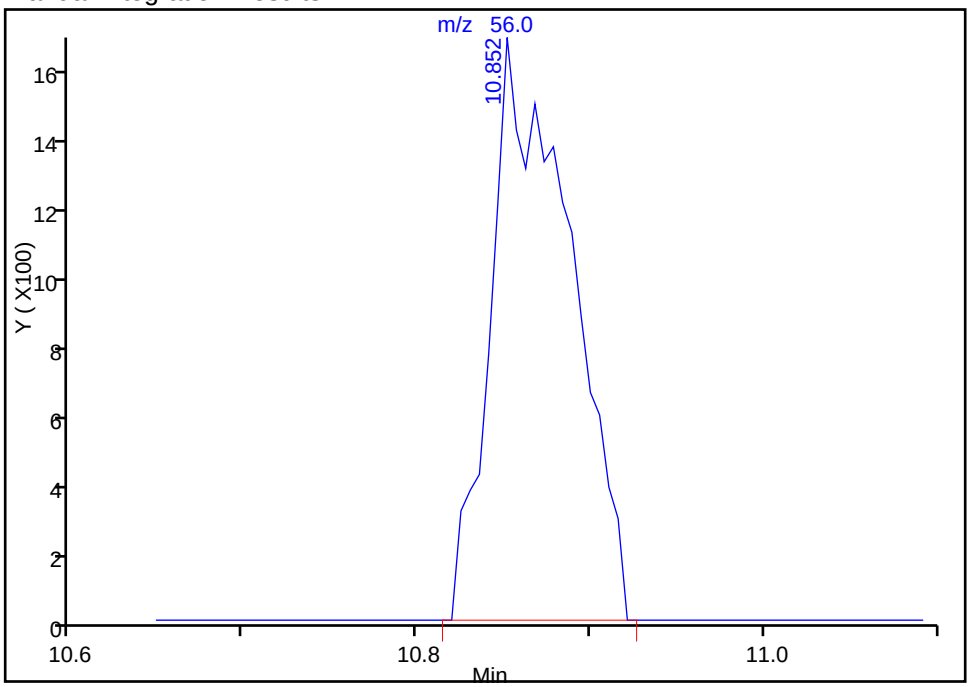
Processing Integration Results

RT: 10.87
Response: 3318
Amount: 0.259215



Manual Integration Results

RT: 10.85
Response: 5251
Amount: 0.531394



Reviewer: lyonsb, 30-Oct-2014 16:03:27
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

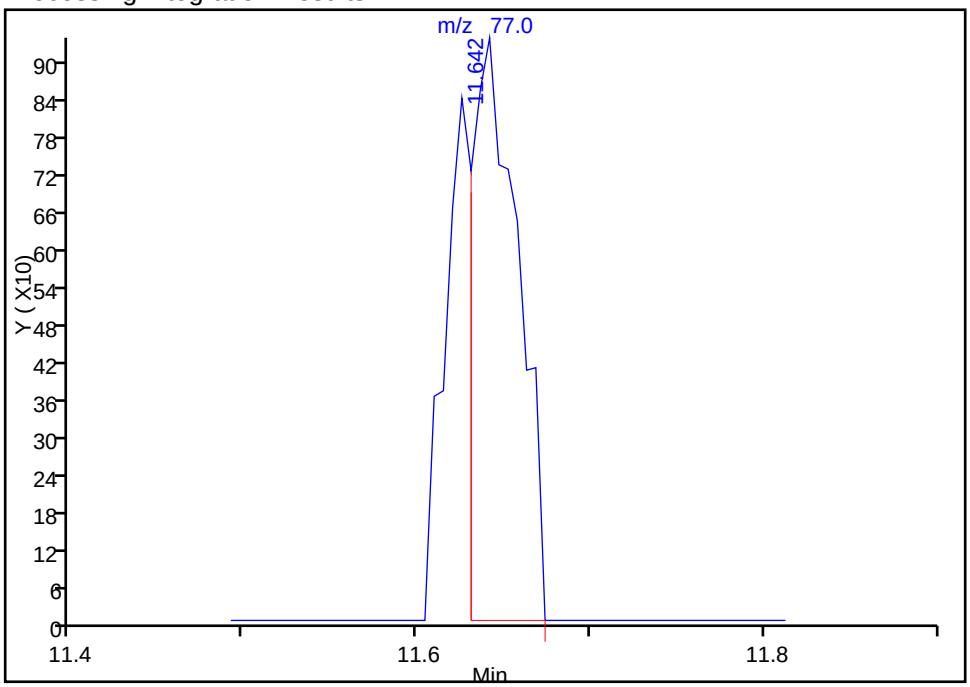
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_05.D				
Injection Date:	29-Oct-2014 18:41:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2

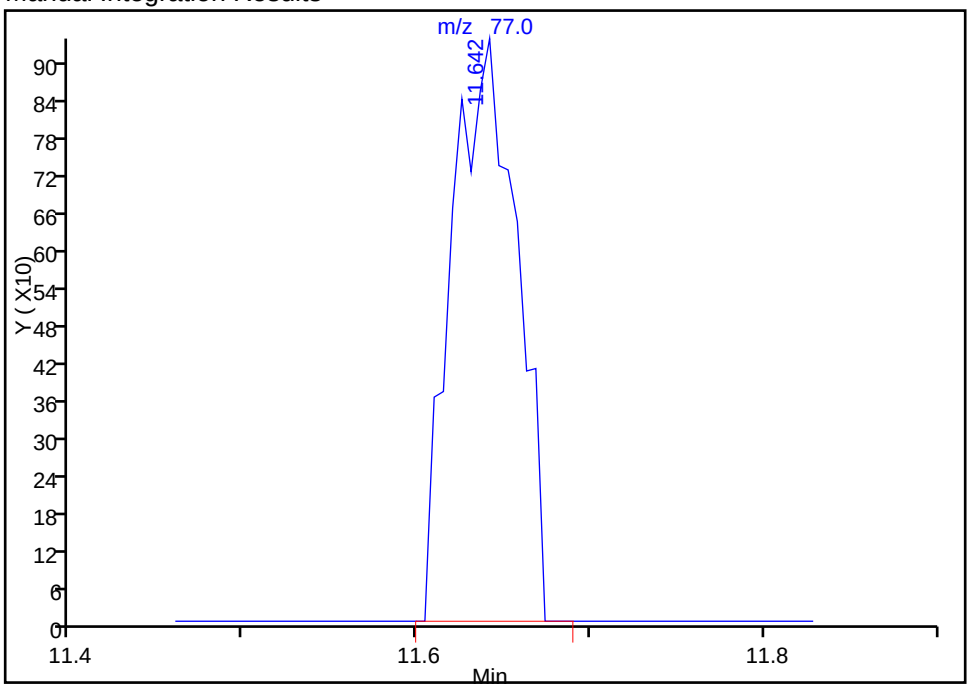
Processing Integration Results

RT: 11.64
Response: 1735
Amount: 0.546703



Manual Integration Results

RT: 11.64
Response: 2450
Amount: 0.546703



Reviewer: lyonsb, 30-Oct-2014 16:03:27
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

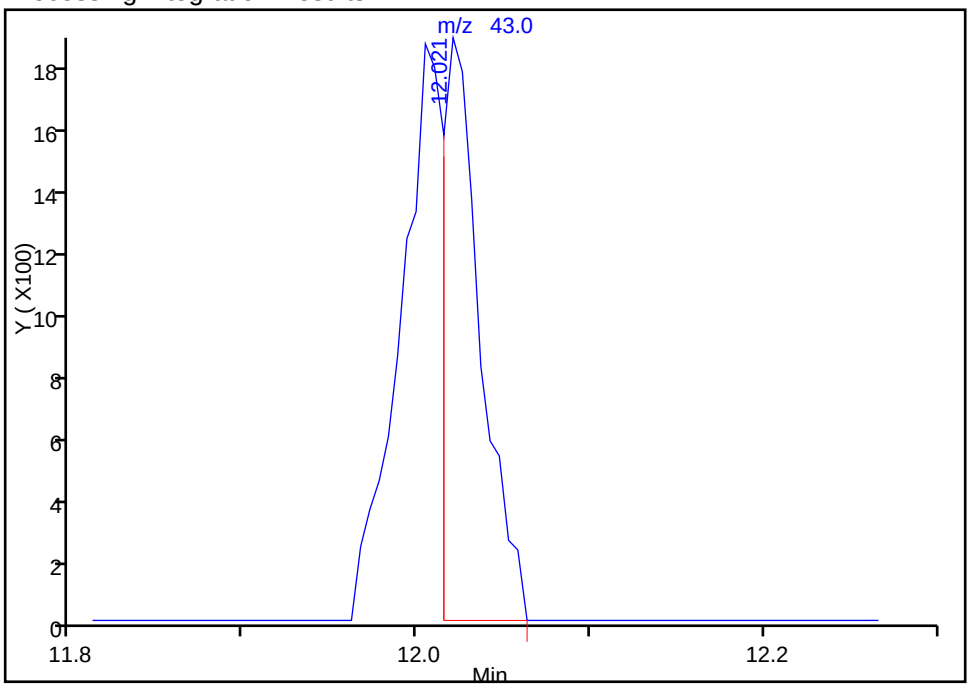
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_05.D				
Injection Date:	29-Oct-2014 18:41:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5

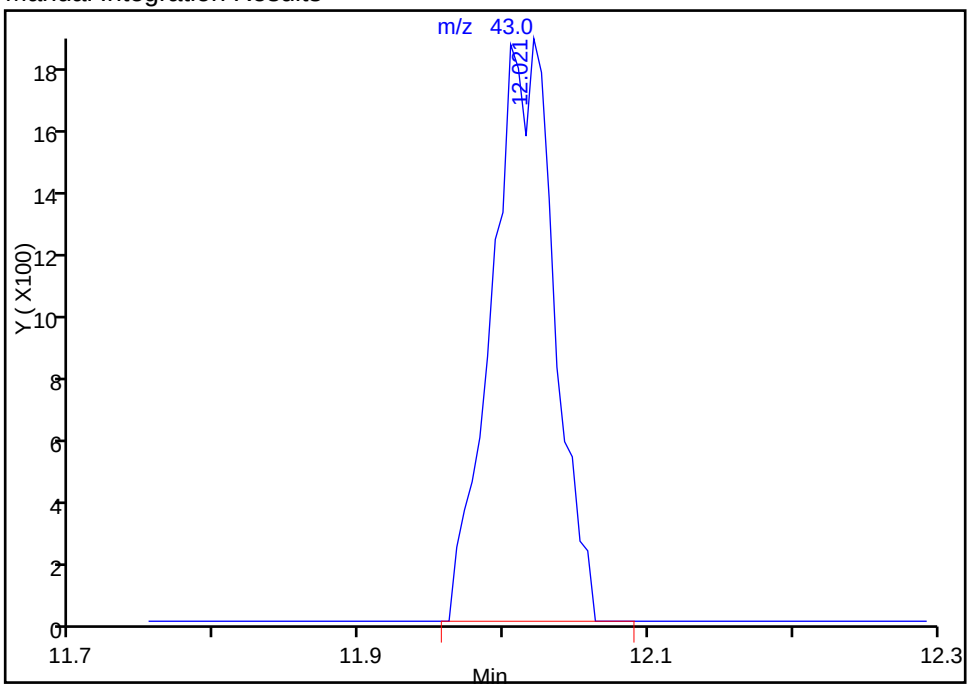
Processing Integration Results

RT: 12.02
Response: 2764
Amount: 0.288822



Manual Integration Results

RT: 12.02
Response: 5434
Amount: 0.510090



Reviewer: lyonsb, 30-Oct-2014 16:03:27
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

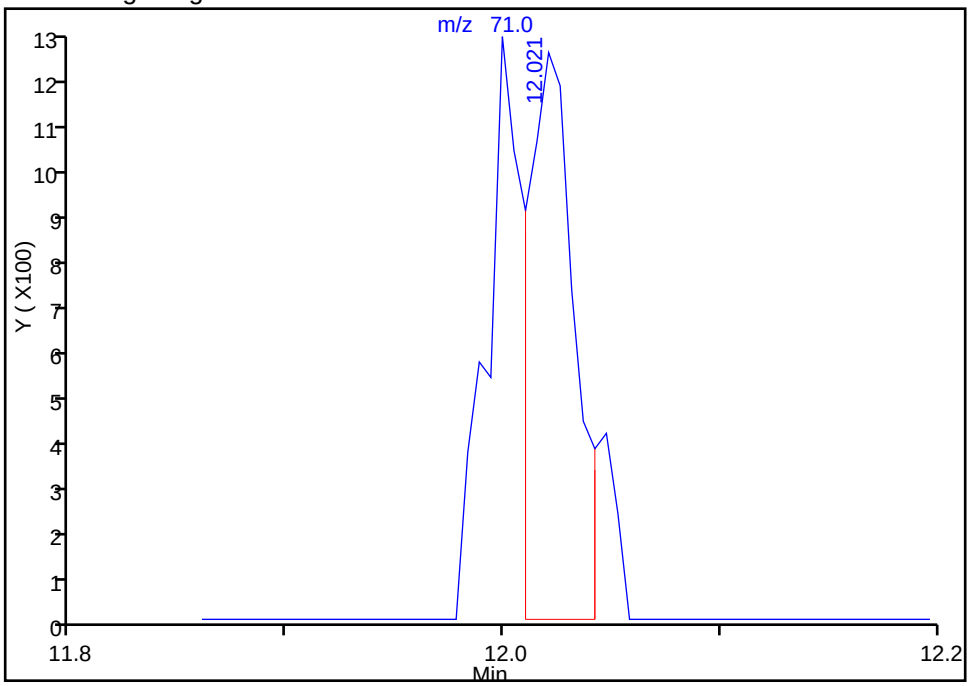
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_05.D
Injection Date: 29-Oct-2014 18:41:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

53 n-Heptane, CAS: 142-82-5

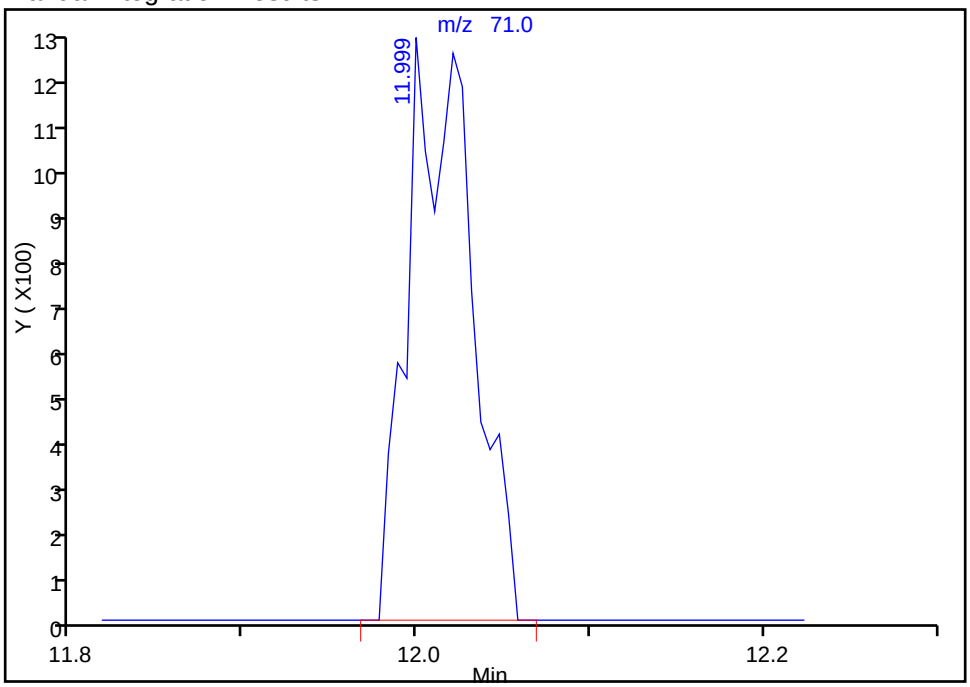
Processing Integration Results

RT: 12.02
Response: 1784
Amount: 0.288822



Manual Integration Results

RT: 12.00
Response: 3119
Amount: 0.510090



Reviewer: lyonsb, 30-Oct-2014 16:03:27
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

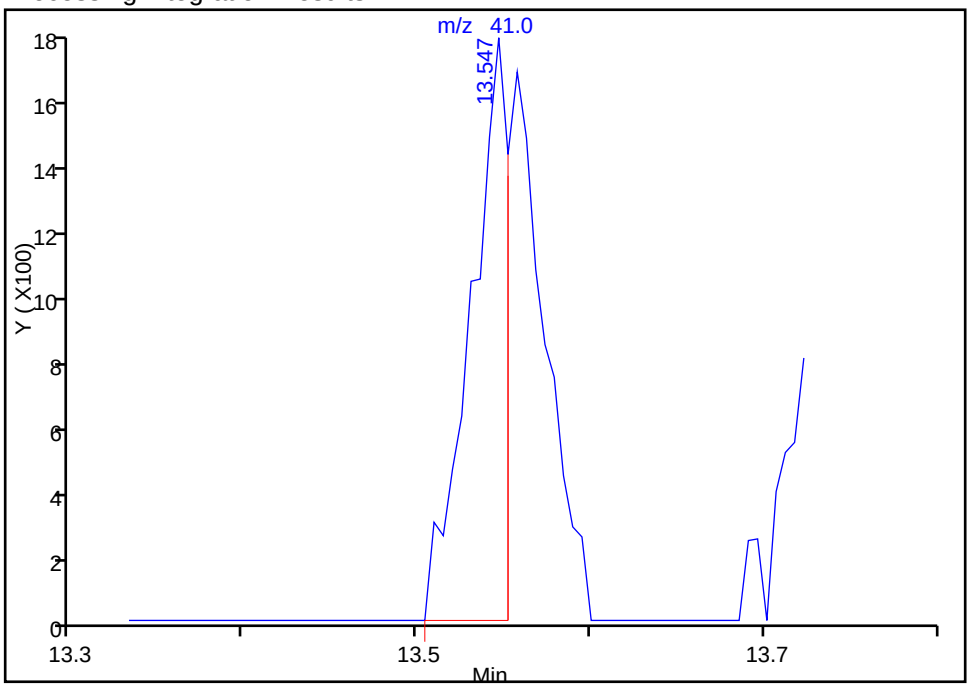
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_05.D				
Injection Date:	29-Oct-2014 18:41:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

58 1,2-Dichloropropane, CAS: 78-87-5

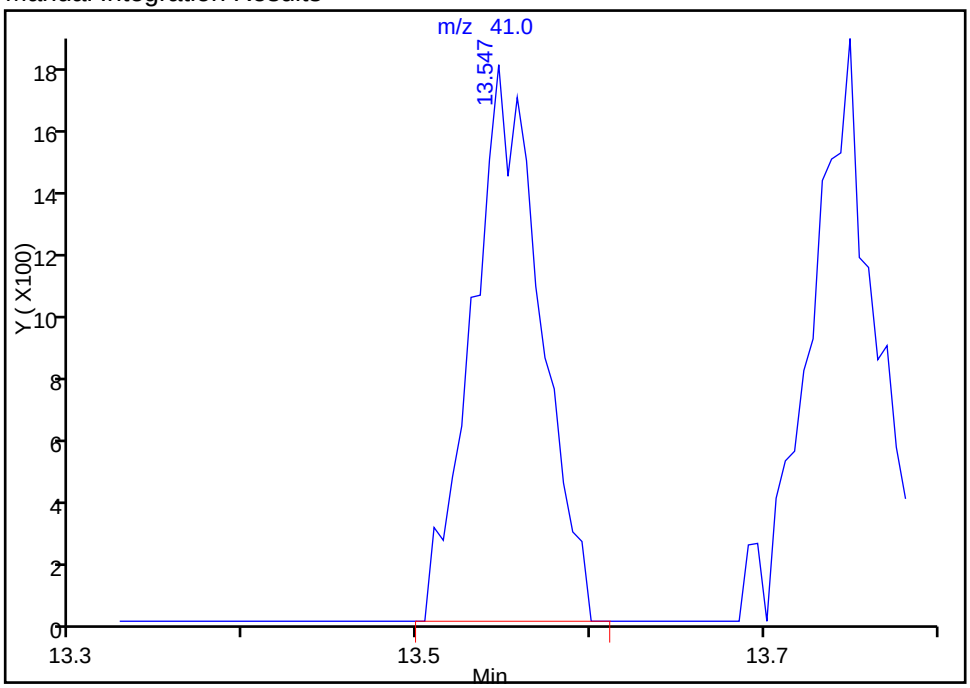
Processing Integration Results

RT: 13.55
Response: 2702
Amount: 0.499013



Manual Integration Results

RT: 13.55
Response: 4885
Amount: 0.521289



Reviewer: lyonsb, 30-Oct-2014 16:03:27
Audit Action: Manually Integrated
Audit Reason: Baseline Event

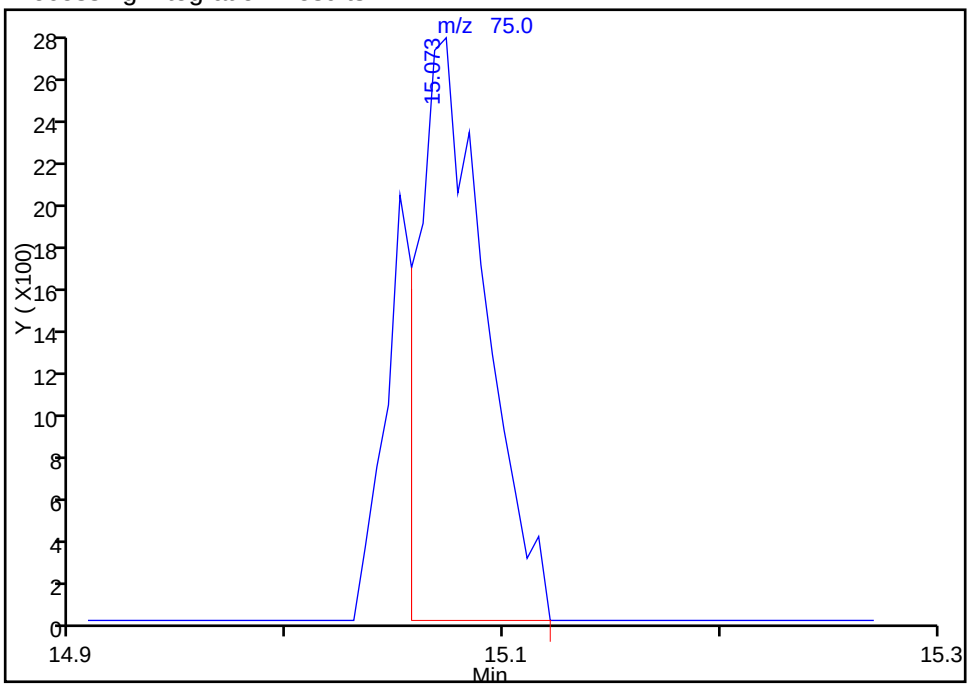
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_05.D
Injection Date: 29-Oct-2014 18:41:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

64 cis-1,3-Dichloropropene, CAS: 10061-01-5

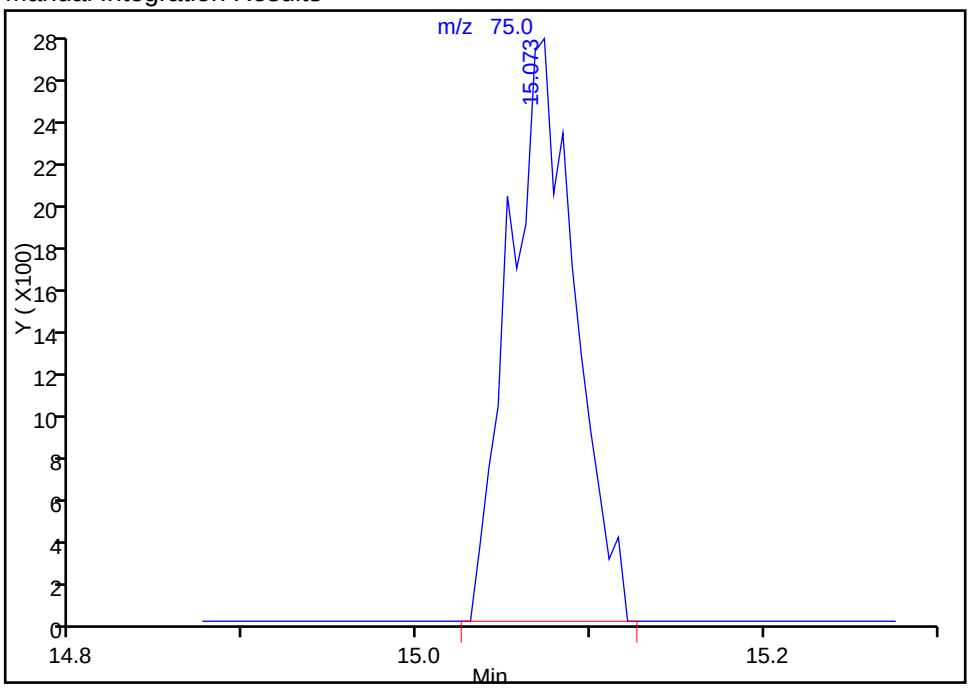
Processing Integration Results

RT: 15.07
Response: 5837
Amount: 0.426025



Manual Integration Results

RT: 15.07
Response: 7133
Amount: 0.506928



Reviewer: lyonsb, 30-Oct-2014 16:03:27
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

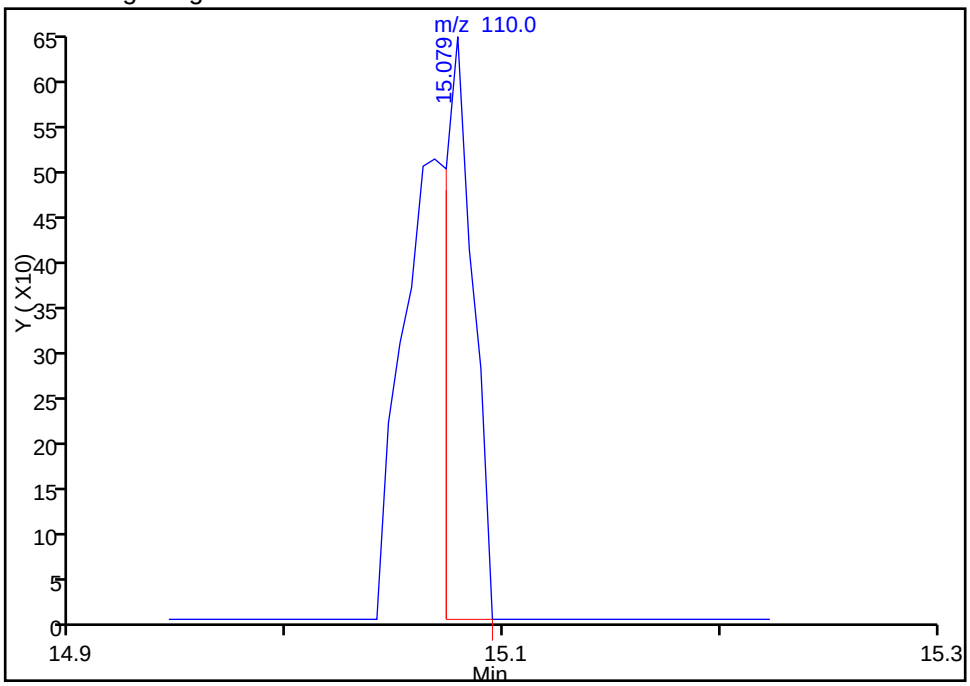
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_05.D
Injection Date: 29-Oct-2014 18:41:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

64 cis-1,3-Dichloropropene, CAS: 10061-01-5

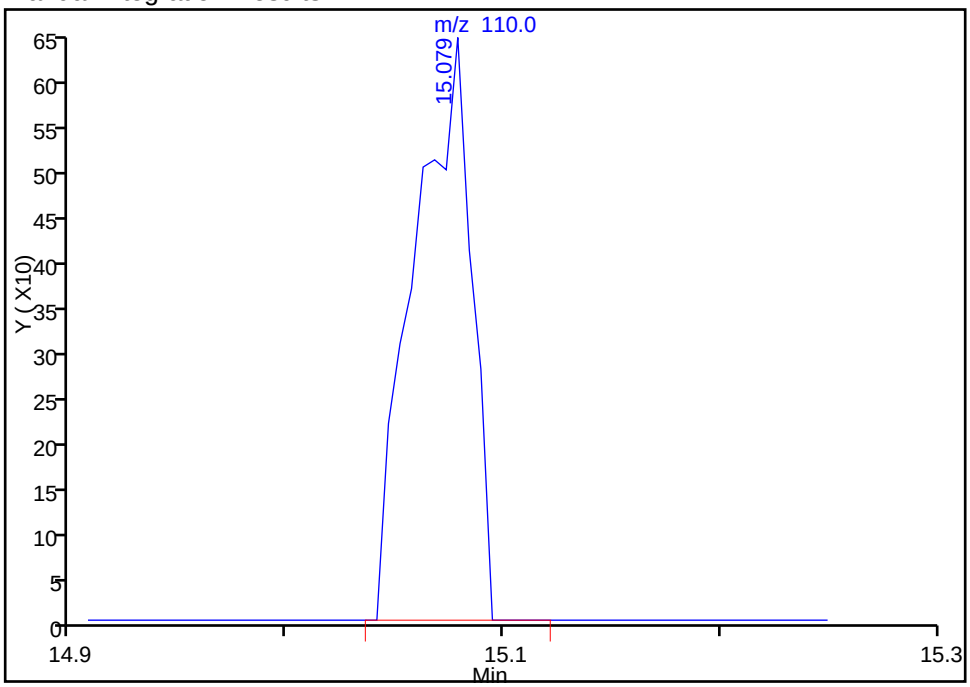
Processing Integration Results

RT: 15.08
Response: 584
Amount: 0.426025



Manual Integration Results

RT: 15.08
Response: 1192
Amount: 0.506928



Reviewer: lyonsb, 30-Oct-2014 16:03:27
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

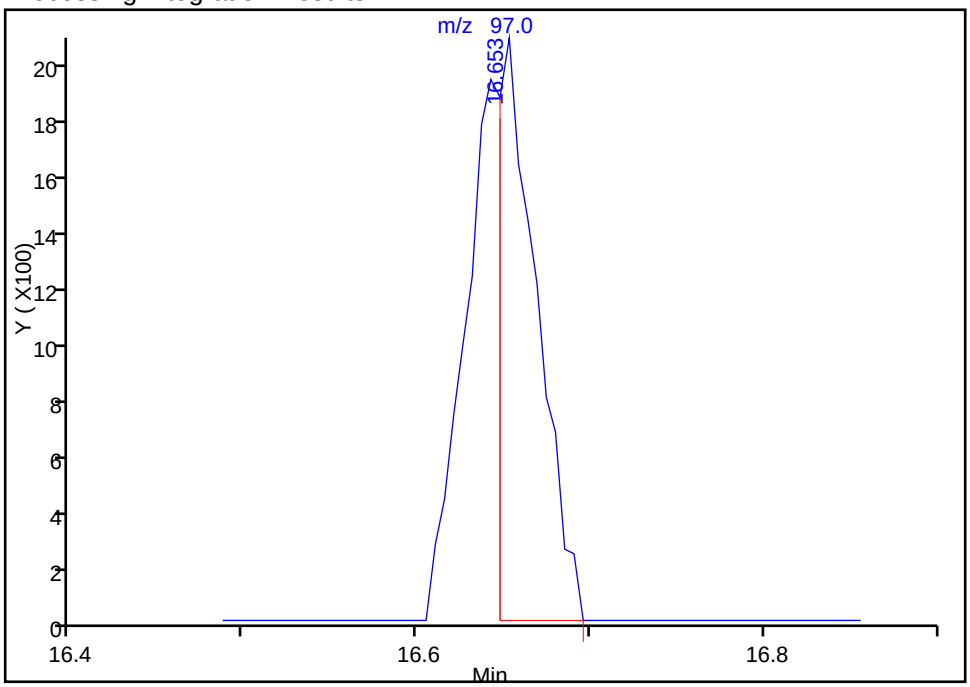
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_05.D				
Injection Date:	29-Oct-2014 18:41:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

71 1,1,2-Trichloroethane, CAS: 79-00-5

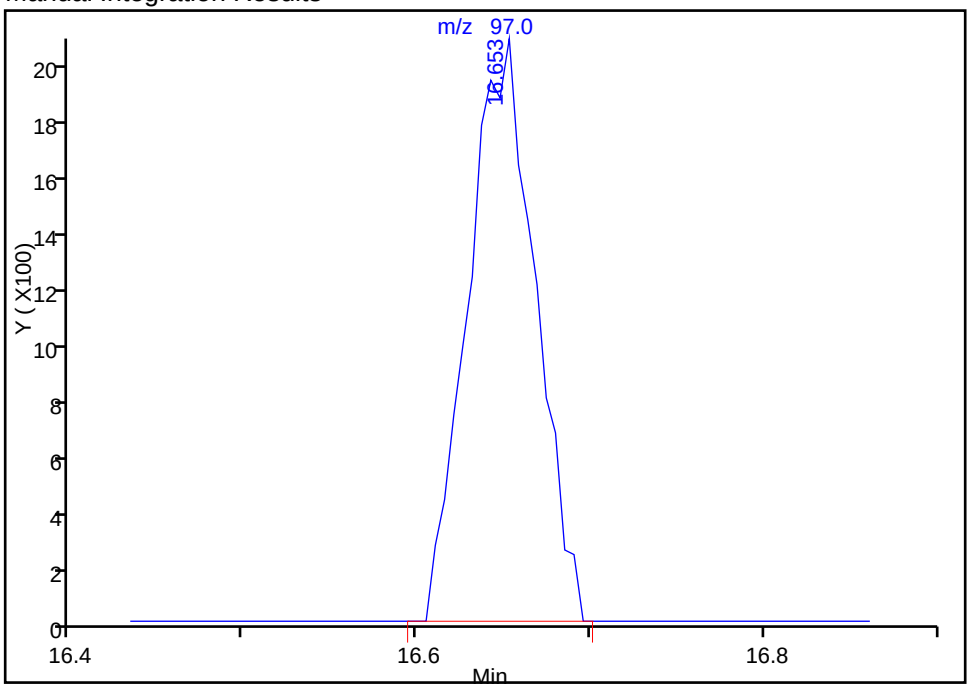
Processing Integration Results

RT: 16.65
Response: 3150
Amount: 0.522354



Manual Integration Results

RT: 16.65
Response: 5429
Amount: 0.522354



Reviewer: lyonsb, 30-Oct-2014 16:03:27
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_06.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 29-Oct-2014 19:28:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010262-006
Misc. Info.: level 4
Operator ID: pad Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 31-Oct-2014 10:19:23 Calib Date: 29-Oct-2014 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: lyonsb Date: 30-Oct-2014 16:01:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.991	2.991	0.000	92	32559	4.99	5.04	
2 Dichlorodifluoromethane	85	3.060	3.060	0.000	99	267962	4.99	5.52	
6 Chlorodifluoromethane	51	3.119	3.119	0.000	94	108137	4.99	5.29	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.332	3.332	0.000	88	193645	4.99	5.23	
8 Chloromethane	50	3.471	3.476	-0.005	97	38061	4.99	4.95	
9 Butane	43	3.679	3.679	0.000	92	70348	4.99	5.27	
10 Vinyl chloride	62	3.727	3.727	0.000	98	56815	4.99	5.45	
11 Butadiene	54	3.802	3.807	-0.005	94	38986	4.99	5.37	
12 Bromomethane	94	4.512	4.512	0.000	97	72939	4.99	5.38	
13 Chloroethane	64	4.757	4.757	0.000	98	29816	4.99	5.37	
14 2-Methylbutane	43	4.832	4.837	-0.005	84	50844	4.99	5.08	
15 Vinyl bromide	106	5.163	5.163	0.000	96	63808	4.99	5.30	
16 Trichlorofluoromethane	101	5.270	5.269	0.001	98	283772	4.99	5.58	
17 Pentane	43	5.414	5.419	-0.005	88	59695	4.99	5.22	
19 Ethanol	45	5.910	5.915	-0.005	97	31713	10.0	11.2	
21 Ethyl ether	59	5.969	5.969	0.000	89	29404	4.99	5.43	
22 Acrolein	56	6.374	6.374	0.000	95	10706	4.99	4.88	
23 1,1,2-Trichloro-1,2,2-trif	101	6.390	6.390	0.000	89	137607	4.99	5.33	
24 1,1-Dichloroethene	96	6.422	6.428	-0.006	96	53236	4.99	5.12	
25 Acetone	43	6.700	6.700	0.000	83	108047	4.99	7.12	
26 Carbon disulfide	76	6.807	6.806	0.001	98	130364	4.99	5.22	
27 Isopropyl alcohol	45	7.025	7.036	-0.011	95	52268	4.99	5.41	
29 3-Chloro-1-propene	41	7.239	7.249	-0.010	75	47546	4.99	5.50	
30 Acetonitrile	41	7.404	7.404	0.000	97	22726	4.99	5.43	
31 Methylene Chloride	49	7.554	7.554	0.000	90	55941	4.99	5.22	
32 2-Methyl-2-propanol	59	7.821	7.815	0.006	98	100951	4.99	5.25	
33 Methyl tert-butyl ether	73	7.970	7.970	0.000	94	175567	4.99	5.31	
34 trans-1,2-Dichloroethene	61	7.997	7.997	0.000	94	77726	4.99	5.33	
35 Acrylonitrile	53	8.178	8.178	0.000	90	25083	4.99	5.13	
36 Hexane	57	8.386	8.386	0.000	83	56613	4.99	5.21	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.893	8.893	0.000	97	87955	4.99	5.02	
38 Vinyl acetate	43	8.995	8.989	0.006	99	99967	4.99	5.01	
39 cis-1,2-Dichloroethene	96	10.030	10.035	-0.005	95	52301	4.99	5.00	
40 2-Butanone (MEK)	72	10.105	10.105	0.000	96	20775	4.99	5.00	
42 Ethyl acetate	88	10.153	10.153	0.000	99	3602	4.99	4.75	
S 41 1,2-Dichloroethene, Total	61				0		9.99	10.3	
* 43 Chlorobromomethane	128	10.505	10.510	-0.005	70	113718	10.0	10.0	
44 Tetrahydrofuran	42	10.526	10.521	0.005	77	36124	4.99	5.42	
45 Chloroform	83	10.649	10.654	-0.005	97	138646	4.99	5.14	
46 Cyclohexane	84	10.868	10.868	0.000	89	59450	4.99	5.28	
47 1,1,1-Trichloroethane	97	10.911	10.916	-0.005	97	191352	4.99	5.45	
48 Carbon tetrachloride	117	11.161	11.161	0.000	98	232633	4.99	5.49	
51 Isooctane	57	11.604	11.610	-0.006	92	167891	4.99	5.33	
50 Benzene	78	11.642	11.642	0.000	97	122771	4.99	5.14	
52 1,2-Dichloroethane	62	11.839	11.844	-0.005	98	109585	4.99	5.33	
53 n-Heptane	43	12.010	12.015	-0.005	78	58547	4.99	5.43	
* 54 1,4-Difluorobenzene	114	12.512	12.517	-0.005	95	438942	10.0	10.0	
55 n-Butanol	56	12.965	12.955	0.010	93	14843	4.99	4.87	
56 Trichloroethene	95	12.981	12.976	0.005	91	69752	4.99	5.54	
A 57 GRO	1	13.139	(4.827-21.450)		0	22447100	4.99	0	
58 1,2-Dichloropropane	63	13.558	13.558	0.000	59	35001	4.99	5.03	
59 Methyl methacrylate	69	13.745	13.744	0.001	83	36242	4.99	4.82	
60 1,4-Dioxane	88	13.798	13.803	-0.005	43	18327	4.99	5.19	
61 Dibromomethane	174	13.819	13.819	0.000	90	79805	4.99	4.85	
62 Dichlorobromomethane	83	14.123	14.123	0.000	97	143937	4.99	5.17	
A 63 TVOC as Toluene	1	14.844	(2.981-26.707)		0	43785678	4.99	2374.5	
64 cis-1,3-Dichloropropene	75	15.068	15.073	-0.005	88	69987	4.99	4.91	
65 4-Methyl-2-pentanone (MIBK	43	15.378	15.378	0.000	94	92034	4.99	5.33	
66 Toluene	92	15.660	15.660	0.000	91	85805	4.99	5.01	
A 67 Toluene Range	1	15.660	(15.620-15.700)		0	473102	NC	NC	
68 n-Octane	43	15.725	15.719	0.006	80	85018	4.99	5.45	
A 69 C8 Range	1	15.948	(15.718-16.168)		0	416019	NC	NC	
70 trans-1,3-Dichloropropene	75	16.274	16.279	-0.005	90	92638	4.99	4.99	
71 1,1,2-Trichloroethane	83	16.648	16.653	-0.005	79	43936	4.99	5.27	
72 Tetrachloroethene	166	16.733	16.738	-0.005	91	120055	4.99	4.85	
73 2-Hexanone	43	17.112	17.112	0.000	94	94310	4.99	5.44	
74 Chlorodibromomethane	129	17.406	17.411	-0.005	96	156688	4.99	5.25	
75 Ethylene Dibromide	107	17.672	17.672	0.000	95	96502	4.99	5.03	
* 76 Chlorobenzene-d5	117	18.569	18.569	0.000	94	407855	10.0	10.0	
77 Chlorobenzene	112	18.628	18.628	0.000	88	134498	4.99	4.96	
78 Ethylbenzene	91	18.783	18.782	0.001	99	233508	4.99	5.23	
79 n-Nonane	57	18.905	18.905	0.000	81	80950	4.99	5.30	
81 m-Xylene & p-Xylene	106	19.033	19.033	0.000	0	175611	9.99	10.0	
83 o-Xylene	106	19.871	19.871	0.000	90	84046	4.99	5.03	
84 Styrene	104	19.925	19.925	0.000	89	123530	4.99	5.15	
S 82 Xylenes, Total	106				0		15.0	15.1	
85 Bromoform	173	20.346	20.346	0.000	95	182751	4.99	5.13	
86 Isopropylbenzene	105	20.544	20.549	-0.005	99	285699	4.99	5.18	
88 1,1,2,2-Tetrachloroethane	83	21.206	21.205	0.001	91	116758	4.99	5.12	
90 N-Propylbenzene	91	21.264	21.264	0.000	98	346224	4.99	5.34	
89 1,2,3-Trichloropropane	75	21.296	21.296	0.000	88	117420	4.99	5.10	
93 n-Decane	57	21.435	21.440	-0.005	87	114261	4.99	4.90	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 4-Ethyltoluene	105	21.451	21.451	0.000	96	304113	4.99	5.09	
92 2-Chlorotoluene	91	21.456	21.456	0.000	94	277019	4.99	5.16	
94 1,3,5-Trimethylbenzene	105	21.558	21.558	0.000	90	261265	4.99	5.26	
95 Alpha Methyl Styrene	118	21.926	21.921	0.005	83	100628	4.99	4.76	
96 tert-Butylbenzene	119	22.043	22.043	0.000	87	255365	4.99	5.18	
97 1,2,4-Trimethylbenzene	105	22.134	22.139	-0.005	98	261754	4.99	5.22	
98 sec-Butylbenzene	105	22.364	22.364	0.000	94	346053	4.99	5.29	
99 4-Isopropyltoluene	119	22.566	22.566	0.000	94	325359	4.99	5.20	
100 1,3-Dichlorobenzene	146	22.593	22.593	0.000	91	188179	4.99	4.94	
101 1,4-Dichlorobenzene	146	22.732	22.732	0.000	92	187582	4.99	4.95	
102 Benzyl chloride	91	22.929	22.929	0.000	95	229873	4.99	5.23	
103 n-Butylbenzene	91	23.132	23.132	0.000	96	300345	4.99	5.31	
104 Undecane	57	23.153	23.153	0.000	85	135356	4.99	5.36	
105 1,2-Dichlorobenzene	146	23.260	23.260	0.000	91	175702	4.99	4.98	
106 Dodecane	57	24.728	24.728	0.000	89	126166	4.99	5.05	
107 1,2,4-Trichlorobenzene	180	25.742	25.742	0.000	93	197403	4.99	5.13	
108 Hexachlorobutadiene	225	25.923	25.923	0.000	93	257837	4.99	4.98	
109 Naphthalene	128	26.228	26.227	0.001	98	318358	4.99	5.82	
110 1,2,3-Trichlorobenzene	180	26.697	26.697	0.000	93	178818	4.99	5.09	
$ 87 4-Bromofluorobenzene	95	20.917	20.917	0.000	90	373782	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

ATTO15CAL3w_00134	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

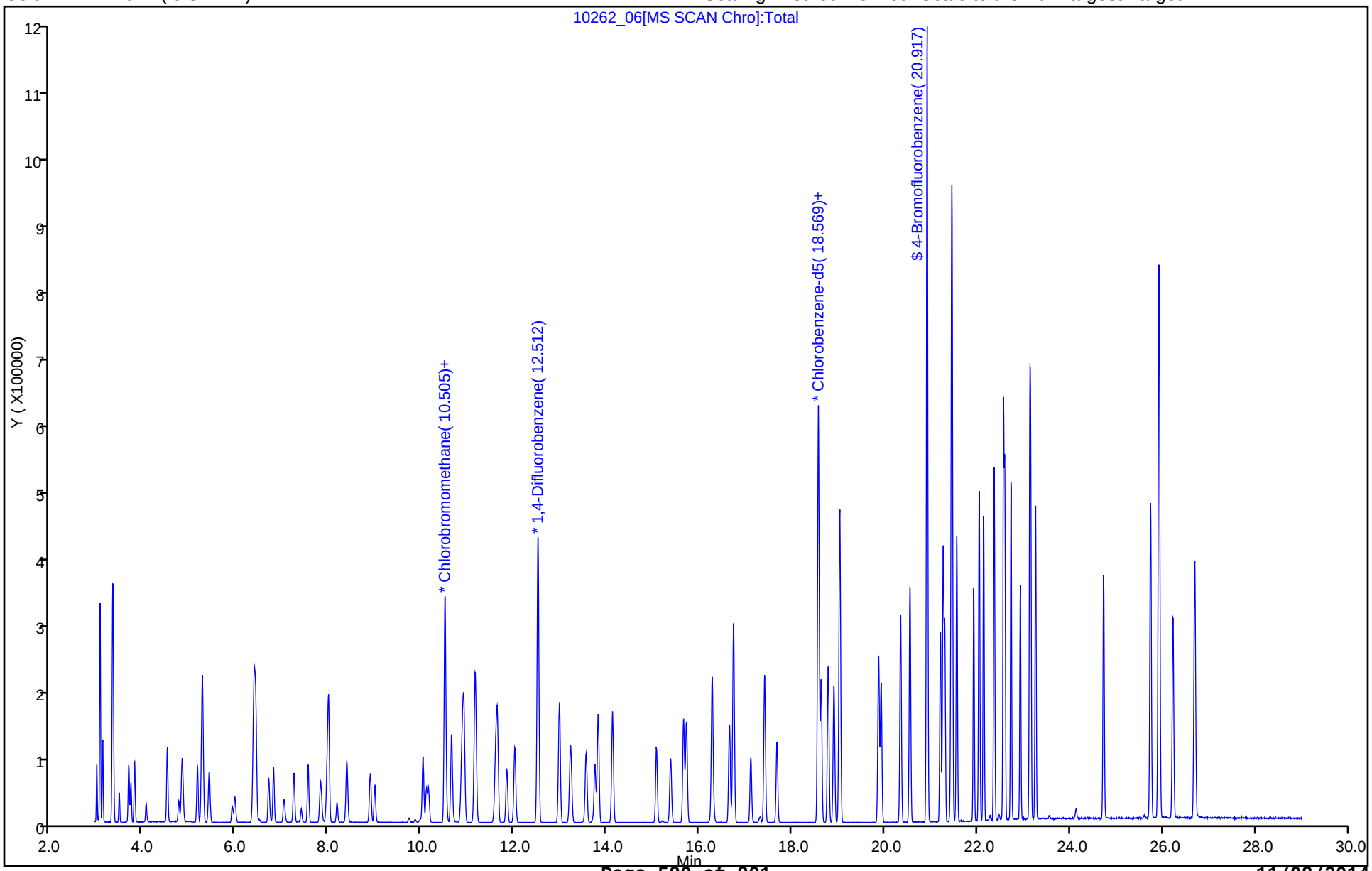
Report Date: 31-Oct-2014 10:19:23 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_06.D

Injection Date:	29-Oct-2014 19:28:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	6
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_07.D
Lims ID: icis
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 29-Oct-2014 20:15:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010262-007
Misc. Info.: level 5
Operator ID: pad Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 31-Oct-2014 10:28:26 Calib Date: 29-Oct-2014 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: nelsona Date: 31-Oct-2014 10:28:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.991	2.991	0.000	93	76433	10.0	10.4	
2 Dichlorodifluoromethane	85	3.060	3.060	0.000	99	610821	10.0	11.1	
6 Chlorodifluoromethane	51	3.119	3.119	0.000	95	250663	10.0	10.8	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.332	3.332	0.000	88	456096	10.0	10.8	
8 Chloromethane	50	3.476	3.476	0.000	98	92400	10.0	10.6	
9 Butane	43	3.679	3.679	0.000	93	166926	10.0	11.0	
10 Vinyl chloride	62	3.727	3.727	0.000	98	131818	10.0	11.1	
11 Butadiene	54	3.807	3.807	0.000	95	94001	10.0	11.4	
12 Bromomethane	94	4.512	4.512	0.000	97	166092	10.0	10.8	
13 Chloroethane	64	4.757	4.757	0.000	98	65786	10.0	10.4	
14 2-Methylbutane	43	4.837	4.837	0.000	84	113532	10.0	9.99	
15 Vinyl bromide	106	5.163	5.163	0.000	96	141989	10.0	10.4	
16 Trichlorofluoromethane	101	5.269	5.269	0.000	98	617232	10.0	10.7	
17 Pentane	43	5.419	5.419	0.000	89	135245	10.0	10.4	
19 Ethanol	45	5.915	5.915	0.000	97	47521	15.0	14.8	
21 Ethyl ether	59	5.969	5.969	0.000	90	66667	10.0	10.8	
22 Acrolein	56	6.374	6.374	0.000	99	26757	10.0	10.7	
23 1,1,2-Trichloro-1,2,2-trif	101	6.390	6.390	0.000	91	307546	10.0	10.5	
24 1,1-Dichloroethene	96	6.428	6.428	0.000	96	124075	10.0	10.5	
25 Acetone	43	6.700	6.700	0.000	83	170853	10.0	9.90	
26 Carbon disulfide	76	6.806	6.806	0.000	98	284048	10.0	10.0	
27 Isopropyl alcohol	45	7.036	7.036	0.000	95	116191	10.0	10.6	
29 3-Chloro-1-propene	41	7.249	7.249	0.000	75	109095	10.0	11.1	
30 Acetonitrile	41	7.404	7.404	0.000	95	51270	10.0	10.8	
31 Methylene Chloride	49	7.554	7.554	0.000	91	123884	10.0	10.2	
32 2-Methyl-2-propanol	59	7.815	7.815	0.000	98	232821	10.0	10.7	
33 Methyl tert-butyl ether	73	7.970	7.970	0.000	94	414692	10.0	11.0	
34 trans-1,2-Dichloroethene	61	7.997	7.997	0.000	92	177133	10.0	10.7	
35 Acrylonitrile	53	8.178	8.178	0.000	90	57786	10.0	10.4	
36 Hexane	57	8.386	8.386	0.000	85	133606	10.0	10.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.893	8.893	0.000	98	202035	10.0	10.1	
38 Vinyl acetate	43	8.989	8.989	0.000	99	242145	10.0	10.7	
39 cis-1,2-Dichloroethene	96	10.035	10.035	0.000	97	125234	10.0	10.5	
40 2-Butanone (MEK)	72	10.105	10.105	0.000	97	45468	10.0	9.62	
42 Ethyl acetate	88	10.153	10.153	0.000	99	8713	10.0	10.1	
S 41 1,2-Dichloroethene, Total	61				0		20.0	21.2	
* 43 Chlorobromomethane	128	10.510	10.510	0.000	71	129241	10.0	10.0	
44 Tetrahydrofuran	42	10.521	10.521	0.000	90	85599	10.0	10.7	
45 Chloroform	83	10.654	10.654	0.000	97	320482	10.0	10.4	
46 Cyclohexane	84	10.868	10.868	0.000	84	143892	10.0	10.6	
47 1,1,1-Trichloroethane	97	10.916	10.916	0.000	97	450873	10.0	10.7	
48 Carbon tetrachloride	117	11.161	11.161	0.000	98	543270	10.0	10.7	
51 Isooctane	57	11.610	11.610	0.000	93	407890	10.0	10.8	
50 Benzene	78	11.642	11.642	0.000	97	291557	10.0	10.2	
52 1,2-Dichloroethane	62	11.844	11.844	0.000	97	264307	10.0	10.7	
53 n-Heptane	43	12.015	12.015	0.000	78	141819	10.0	10.9	
* 54 1,4-Difluorobenzene	114	12.517	12.517	0.000	95	527381	10.0	10.0	
55 n-Butanol	56	12.955	12.955	0.000	95	35840	10.0	9.79	
56 Trichloroethene	95	12.976	12.976	0.000	92	169977	10.0	11.2	
A 57 GRO	1	13.139	(4.827-21.450)		0	53645652	10.0	0	
58 1,2-Dichloropropane	63	13.558	13.558	0.000	61	89677	10.0	10.7	
59 Methyl methacrylate	69	13.744	13.744	0.000	85	93921	10.0	10.4	
60 1,4-Dioxane	88	13.803	13.803	0.000	37	41927	10.0	9.89	
61 Dibromomethane	174	13.819	13.819	0.000	89	201439	10.0	10.2	
62 Dichlorobromomethane	83	14.123	14.123	0.000	98	368755	10.0	11.0	
A 63 TVOC as Toluene	1	14.844	(2.981-26.707)		0	106328975	10.0	4799.3	
64 cis-1,3-Dichloropropene	75	15.073	15.073	0.000	89	184008	10.0	10.7	
65 4-Methyl-2-pentanone (MIBK	43	15.378	15.378	0.000	94	228847	10.0	11.0	
66 Toluene	92	15.660	15.660	0.000	92	216223	10.0	10.1	
A 67 Toluene Range	1	15.660	(15.620-15.700)		0	1231751	NC	NC	
68 n-Octane	43	15.719	15.719	0.000	79	205581	10.0	11.0	
A 69 C8 Range	1	15.951	(15.718-16.219)		0	961447	NC	NC	
70 trans-1,3-Dichloropropene	75	16.279	16.279	0.000	92	238985	10.0	10.7	
71 1,1,2-Trichloroethane	83	16.653	16.653	0.000	82	108966	10.0	10.5	
72 Tetrachloroethene	166	16.738	16.738	0.000	92	313611	10.0	10.2	
73 2-Hexanone	43	17.112	17.112	0.000	94	235711	10.0	10.9	
74 Chlorodibromomethane	129	17.411	17.411	0.000	97	406101	10.0	10.9	
75 Ethylene Dibromide	107	17.672	17.672	0.000	96	255140	10.0	10.7	
* 76 Chlorobenzene-d5	117	18.569	18.569	0.000	93	507389	10.0	10.0	
77 Chlorobenzene	112	18.628	18.628	0.000	88	343825	10.0	10.2	
78 Ethylbenzene	91	18.782	18.782	0.000	99	601746	10.0	10.8	
79 n-Nonane	57	18.905	18.905	0.000	82	204452	10.0	10.8	
81 m-Xylene & p-Xylene	106	19.033	19.033	0.000	0	455512	20.0	20.9	
83 o-Xylene	106	19.871	19.871	0.000	91	219102	10.0	10.6	
84 Styrene	104	19.925	19.925	0.000	88	333330	10.0	11.2	
S 82 Xylenes, Total	106				0		30.0	31.5	
85 Bromoform	173	20.346	20.346	0.000	96	496964	10.0	11.2	
86 Isopropylbenzene	105	20.549	20.549	0.000	98	749875	10.0	10.9	
88 1,1,2,2-Tetrachloroethane	83	21.205	21.205	0.000	90	300052	10.0	10.6	
90 N-Propylbenzene	91	21.264	21.264	0.000	98	898971	10.0	11.1	
89 1,2,3-Trichloropropane	75	21.296	21.296	0.000	89	300382	10.0	10.5	
93 n-Decane	57	21.440	21.440	0.000	80	301579	10.0	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 4-Ethyltoluene	105	21.451	21.451	0.000	97	830833	10.0	11.2	
92 2-Chlorotoluene	91	21.456	21.456	0.000	94	724513	10.0	10.9	
94 1,3,5-Trimethylbenzene	105	21.558	21.558	0.000	90	682929	10.0	11.0	
95 Alpha Methyl Styrene	118	21.921	21.921	0.000	83	302206	10.0	11.5	
96 tert-Butylbenzene	119	22.043	22.043	0.000	88	666468	10.0	10.9	
97 1,2,4-Trimethylbenzene	105	22.139	22.139	0.000	98	686678	10.0	11.0	
98 sec-Butylbenzene	105	22.364	22.364	0.000	95	904894	10.0	11.1	
99 4-Isopropyltoluene	119	22.566	22.566	0.000	95	866753	10.0	11.1	
100 1,3-Dichlorobenzene	146	22.593	22.593	0.000	93	505759	10.0	10.7	
101 1,4-Dichlorobenzene	146	22.732	22.732	0.000	95	505207	10.0	10.7	
102 Benzyl chloride	91	22.929	22.929	0.000	96	608095	10.0	11.1	
103 n-Butylbenzene	91	23.132	23.132	0.000	96	776516	10.0	11.0	
104 Undecane	57	23.153	23.153	0.000	86	329536	10.0	10.5	
105 1,2-Dichlorobenzene	146	23.260	23.260	0.000	91	468270	10.0	10.7	
106 Dodecane	57	24.728	24.728	0.000	84	330521	10.0	10.6	
107 1,2,4-Trichlorobenzene	180	25.742	25.742	0.000	94	487432	10.0	10.2	
108 Hexachlorobutadiene	225	25.923	25.923	0.000	94	678662	10.0	10.5	
109 Naphthalene	128	26.227	26.227	0.000	98	679342	10.0	10.0	
110 1,2,3-Trichlorobenzene	180	26.697	26.697	0.000	94	452890	10.0	10.4	
$ 87 4-Bromofluorobenzene	95	20.917	20.917	0.000	91	460306	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

ATTO15CAL4w_00395	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

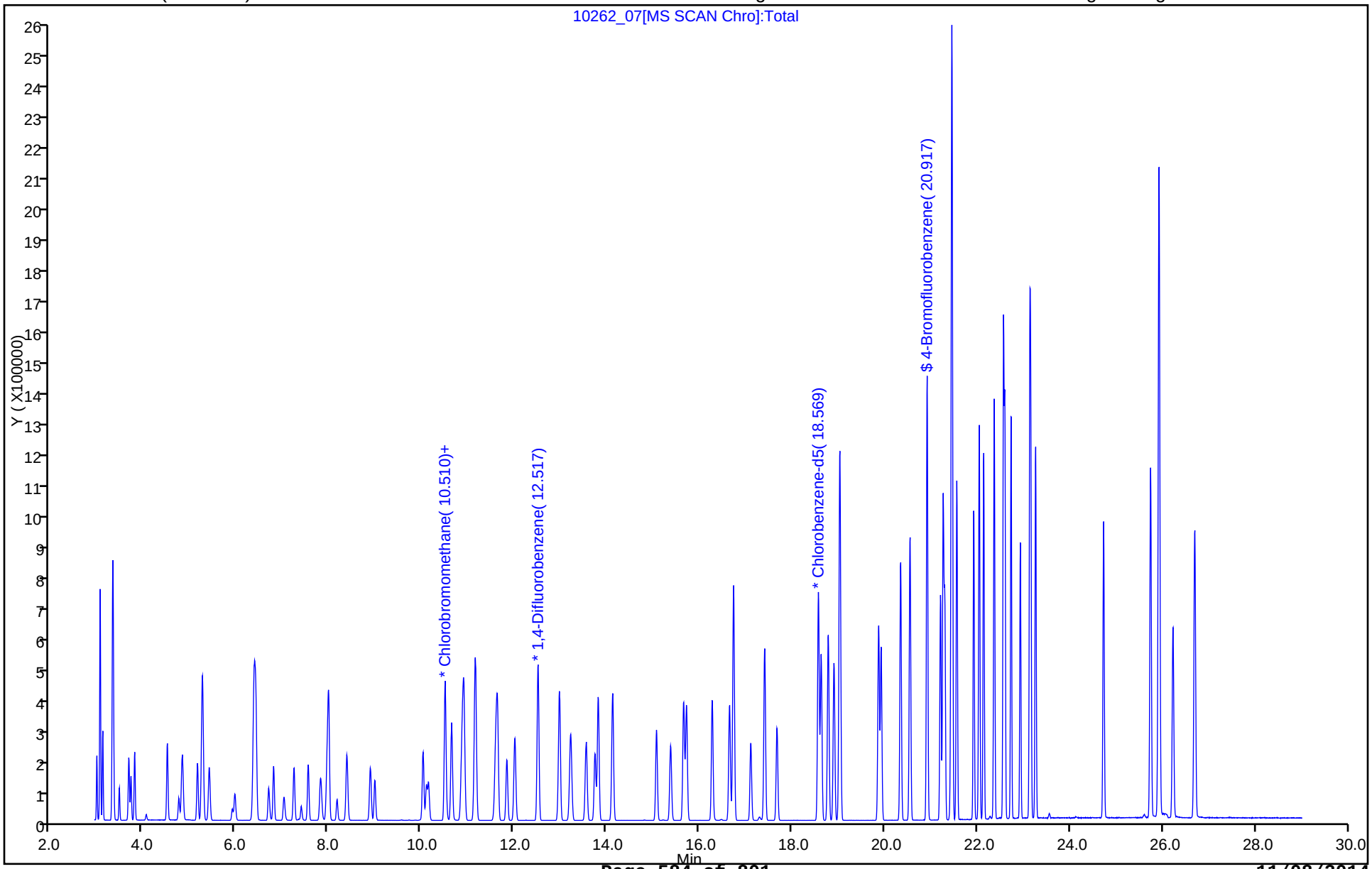
Report Date: 31-Oct-2014 10:28:26 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_07.D

Injection Date:	29-Oct-2014 20:15:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	icis			Worklist Smp#:	7
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_08.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 29-Oct-2014 21:03:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010262-008
Misc. Info.: level 6
Operator ID: pad Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 31-Oct-2014 10:38:02 Calib Date: 29-Oct-2014 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: lyonsb Date: 30-Oct-2014 12:48:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.991	2.991	0.000	93	128549	15.0	13.6	
2 Dichlorodifluoromethane	85	3.060	3.060	0.000	99	1013718	15.0	14.3	
6 Chlorodifluoromethane	51	3.119	3.119	0.000	95	426017	15.0	14.3	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.332	3.332	0.000	92	782944	15.0	14.5	
8 Chloromethane	50	3.476	3.476	0.000	98	158817	15.0	14.1	
9 Butane	43	3.679	3.679	0.000	93	270936	15.0	13.9	
10 Vinyl chloride	62	3.727	3.727	0.000	98	215171	15.0	14.1	
11 Butadiene	54	3.807	3.807	0.000	94	156172	15.0	14.7	
12 Bromomethane	94	4.512	4.512	0.000	97	285508	15.0	14.4	
13 Chloroethane	64	4.757	4.757	0.000	98	115671	15.0	14.2	
14 2-Methylbutane	43	4.837	4.837	0.000	85	200111	15.0	13.7	
15 Vinyl bromide	106	5.163	5.163	0.000	96	258131	15.0	14.7	
16 Trichlorofluoromethane	101	5.269	5.269	0.000	99	1036631	15.0	13.9	
17 Pentane	43	5.414	5.419	-0.005	89	242653	15.0	14.5	
19 Ethanol	45	5.921	5.915	0.006	97	86048	20.0	20.8	
21 Ethyl ether	59	5.969	5.969	0.000	88	121876	15.0	15.4	
22 Acrolein	56	6.369	6.374	-0.005	43	47766	15.0	14.9	
23 1,1,2-Trichloro-1,2,2-trif	101	6.390	6.390	0.000	91	547058	15.0	14.5	
24 1,1-Dichloroethene	96	6.428	6.428	0.000	97	227662	15.0	15.0	
25 Acetone	43	6.700	6.700	0.000	84	320269	15.0	14.4	
26 Carbon disulfide	76	6.807	6.806	0.000	99	572872	15.0	15.7	
27 Isopropyl alcohol	45	7.031	7.036	-0.005	96	216928	15.0	15.4	
29 3-Chloro-1-propene	41	7.244	7.249	-0.005	83	197241	15.0	15.6	
30 Acetonitrile	41	7.404	7.404	0.000	97	91356	15.0	14.9	
31 Methylene Chloride	49	7.554	7.554	0.000	89	215389	15.0	13.7	
32 2-Methyl-2-propanol	59	7.821	7.815	0.005	98	426214	15.0	15.1	
33 Methyl tert-butyl ether	73	7.970	7.970	0.000	94	750515	15.0	15.5	
34 trans-1,2-Dichloroethene	61	7.997	7.997	0.000	92	317351	15.0	14.9	
35 Acrylonitrile	53	8.178	8.178	0.000	91	104676	15.0	14.6	
36 Hexane	57	8.392	8.386	0.006	85	247137	15.0	15.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.893	8.893	0.000	98	368819	15.0	14.4	
38 Vinyl acetate	43	8.995	8.989	0.006	99	441154	15.0	15.1	
39 cis-1,2-Dichloroethene	96	10.035	10.035	0.000	97	230574	15.0	15.1	
40 2-Butanone (MEK)	72	10.105	10.105	0.000	98	89800	15.0	14.8	
42 Ethyl acetate	88	10.163	10.153	0.010	99	16897	15.0	15.2	
S 41 1,2-Dichloroethene, Total	61				0		30.0	29.9	
* 43 Chlorobromomethane	128	10.505	10.510	-0.005	71	166390	10.0	10.0	
44 Tetrahydrofuran	42	10.521	10.521	0.000	81	157071	15.0	14.9	
45 Chloroform	83	10.649	10.654	-0.005	98	588785	15.0	14.9	
46 Cyclohexane	84	10.879	10.868	0.011	86	271791	15.0	15.3	
47 1,1,1-Trichloroethane	97	10.911	10.916	-0.005	96	821903	15.0	14.8	
48 Carbon tetrachloride	117	11.161	11.161	0.000	98	973468	15.0	14.5	
51 Isooctane	57	11.610	11.610	0.000	94	769791	15.0	15.5	
50 Benzene	78	11.642	11.642	0.000	98	562594	15.0	14.9	
52 1,2-Dichloroethane	62	11.845	11.844	0.001	98	477682	15.0	14.7	
53 n-Heptane	43	12.015	12.015	0.000	78	266064	15.0	15.6	
* 54 1,4-Difluorobenzene	114	12.517	12.517	0.000	95	694749	10.0	10.0	
55 n-Butanol	56	12.955	12.955	0.000	92	73738	15.0	15.3	
56 Trichloroethene	95	12.981	12.976	0.005	93	325597	15.0	16.3	
A 57 GRO	1	13.139	(4.827-21.450)		0	99694176	15.0	0	
58 1,2-Dichloropropane	63	13.552	13.558	-0.006	64	171999	15.0	15.6	
59 Methyl methacrylate	69	13.744	13.744	0.000	84	187956	15.0	15.8	
60 1,4-Dioxane	88	13.798	13.803	-0.005	92	83974	15.0	15.0	
61 Dibromomethane	174	13.819	13.819	0.000	88	417210	15.0	16.0	
62 Dichlorobromomethane	83	14.123	14.123	0.000	98	699070	15.0	15.9	
A 63 TVOC as Toluene	1	14.844	(2.981-26.707)		0	199662723	15.0	6840.9	
64 cis-1,3-Dichloropropene	75	15.073	15.073	0.000	92	361055	15.0	16.0	
65 4-Methyl-2-pentanone (MIBK	43	15.378	15.378	0.000	93	419425	15.0	15.3	
A 67 Toluene Range	1	15.660	(15.620-15.700)		0	2341037	NC	NC	
66 Toluene	92	15.660	15.660	0.000	92	430571	15.0	15.4	
68 n-Octane	43	15.719	15.719	0.000	79	384346	15.0	15.6	
A 69 C8 Range	1	15.956	(15.718-16.219)		0	1831435	NC	NC	
70 trans-1,3-Dichloropropene	75	16.280	16.279	0.000	94	461478	15.0	15.7	
71 1,1,2-Trichloroethane	83	16.653	16.653	0.000	84	213667	15.0	15.7	
72 Tetrachloroethene	166	16.738	16.738	0.000	94	629106	15.0	15.5	
73 2-Hexanone	43	17.107	17.112	-0.005	95	429249	15.0	15.1	
74 Chlorodibromomethane	129	17.411	17.411	0.000	97	795495	15.0	16.3	
75 Ethylene Dibromide	107	17.678	17.672	0.006	97	504668	15.0	16.1	
* 76 Chlorobenzene-d5	117	18.569	18.569	0.000	91	667454	10.0	10.0	
77 Chlorobenzene	112	18.628	18.628	0.000	90	679533	15.0	15.3	
78 Ethylbenzene	91	18.783	18.782	0.001	99	1151441	15.0	15.7	
79 n-Nonane	57	18.905	18.905	0.000	80	393262	15.0	15.7	
81 m-Xylene & p-Xylene	106	19.033	19.033	0.000	0	899352	30.0	31.4	
83 o-Xylene	106	19.871	19.871	0.000	92	432179	15.0	15.8	
84 Styrene	104	19.925	19.925	0.000	91	659651	15.0	16.8	
S 82 Xylenes, Total	106				0		45.0	47.2	
85 Bromoform	173	20.346	20.346	0.000	96	975965	15.0	16.8	
86 Isopropylbenzene	105	20.549	20.549	0.000	98	1437288	15.0	15.9	
88 1,1,2,2-Tetrachloroethane	83	21.205	21.205	0.000	89	572461	15.0	15.4	
90 N-Propylbenzene	91	21.264	21.264	0.000	98	1685377	15.0	15.9	
89 1,2,3-Trichloropropane	75	21.296	21.296	0.000	90	565215	15.0	15.0	
93 n-Decane	57	21.440	21.440	0.000	80	583306	15.0	15.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 4-Ethyltoluene	105	21.451	21.451	0.000	98	1627116	15.0	16.6	
92 2-Chlorotoluene	91	21.462	21.456	0.006	95	1384576	15.0	15.8	
94 1,3,5-Trimethylbenzene	105	21.558	21.558	0.000	91	1294309	15.0	15.9	
95 Alpha Methyl Styrene	118	21.926	21.921	0.005	86	579403	15.0	16.8	
96 tert-Butylbenzene	119	22.043	22.043	0.000	89	1278795	15.0	15.8	
97 1,2,4-Trimethylbenzene	105	22.139	22.139	0.000	98	1297645	15.0	15.8	
98 sec-Butylbenzene	105	22.369	22.364	0.005	95	1688191	15.0	15.8	
99 4-Isopropyltoluene	119	22.566	22.566	0.000	95	1654621	15.0	16.2	
100 1,3-Dichlorobenzene	146	22.598	22.593	0.005	93	1002745	15.0	16.1	
101 1,4-Dichlorobenzene	146	22.732	22.732	0.000	92	1008762	15.0	16.3	
102 Benzyl chloride	91	22.929	22.929	0.000	96	1159488	15.0	16.1	
103 n-Butylbenzene	91	23.137	23.132	0.005	96	1437463	15.0	15.5	
104 Undecane	57	23.153	23.153	0.000	89	599978	15.0	14.5	
105 1,2-Dichlorobenzene	146	23.260	23.260	0.000	93	928875	15.0	16.1	
106 Dodecane	57	24.728	24.728	0.000	85	642291	15.0	15.7	
107 1,2,4-Trichlorobenzene	180	25.742	25.742	0.000	94	1088687	15.0	17.3	
108 Hexachlorobutadiene	225	25.923	25.923	0.000	96	1328648	15.0	15.7	
109 Naphthalene	128	26.227	26.227	0.000	98	1709030	15.0	19.1	
110 1,2,3-Trichlorobenzene	180	26.697	26.697	0.000	94	1023573	15.0	17.8	
$ 87 4-Bromofluorobenzene	95	20.917	20.917	0.000	91	574144	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

ATTO15CAL5w_00048	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

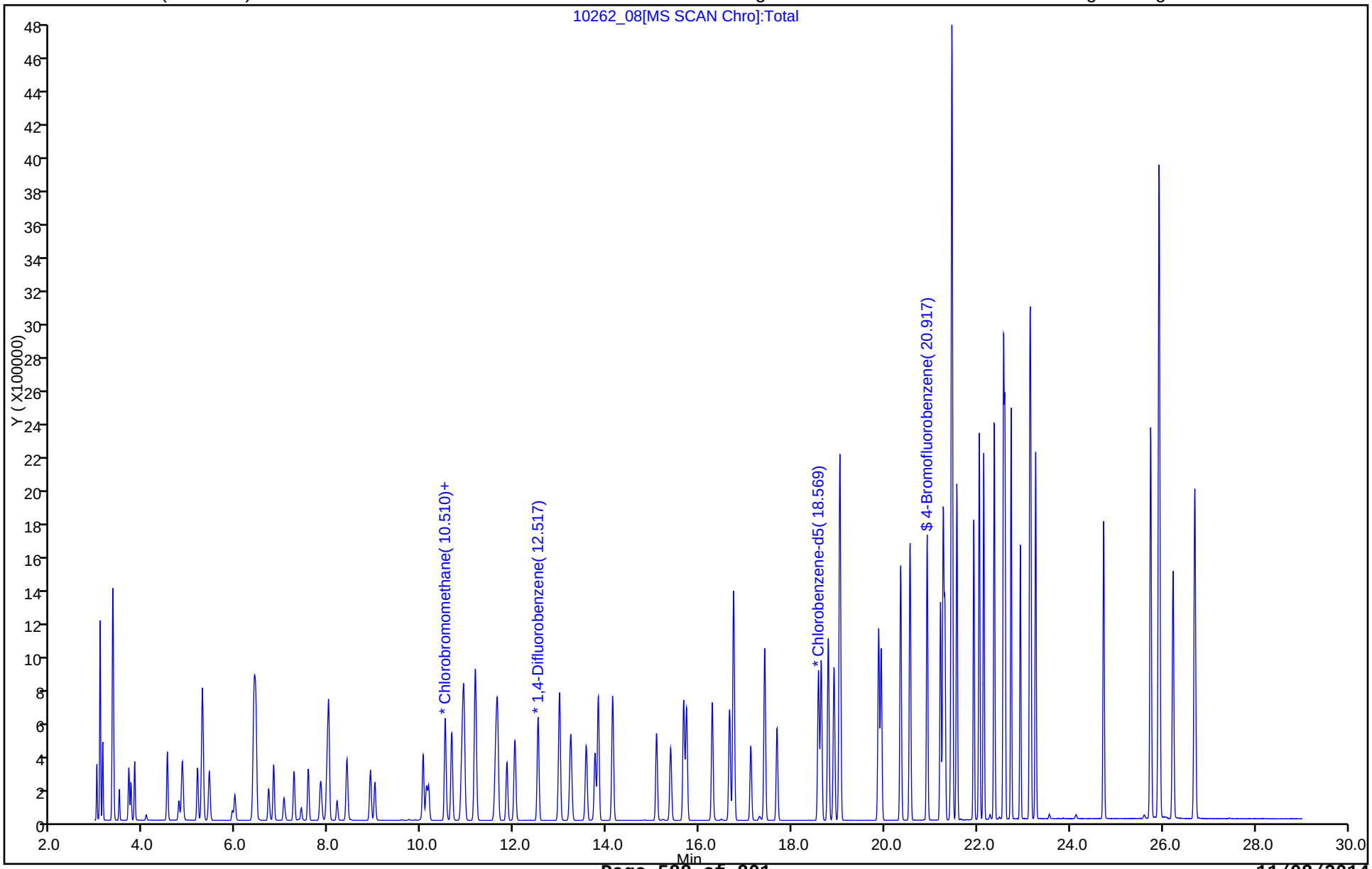
Report Date: 31-Oct-2014 10:38:02 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_08.D

Injection Date:	29-Oct-2014 21:03:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	8
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_09.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 29-Oct-2014 21:50:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010262-009
Misc. Info.: level 7
Operator ID: pad Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 31-Oct-2014 10:46:37 Calib Date: 29-Oct-2014 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: lyonsb Date: 30-Oct-2014 15:59:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.991	2.991	0.000	93	183656	20.0	18.0	
2 Dichlorodifluoromethane	85	3.060	3.060	0.000	98	1358355	20.0	17.7	
6 Chlorodifluoromethane	51	3.119	3.119	0.000	94	587230	20.0	18.2	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.338	3.332	0.006	89	1095524	20.0	18.7	
8 Chloromethane	50	3.476	3.476	0.000	98	225882	20.0	18.6	
9 Butane	43	3.684	3.679	0.005	93	382821	20.0	18.2	
10 Vinyl chloride	62	3.727	3.727	0.000	98	308781	20.0	18.8	
11 Butadiene	54	3.807	3.807	0.000	94	215135	20.0	18.8	
12 Bromomethane	94	4.512	4.512	0.000	98	394692	20.0	18.4	
13 Chloroethane	64	4.762	4.757	0.005	99	160098	20.0	18.3	
14 2-Methylbutane	43	4.837	4.837	0.000	85	278123	20.0	17.6	
15 Vinyl bromide	106	5.168	5.163	0.005	97	367730	20.0	19.4	
16 Trichlorofluoromethane	101	5.269	5.269	0.000	99	1427250	20.0	17.8	
17 Pentane	43	5.419	5.419	0.000	89	349020	20.0	19.3	
19 Ethanol	45	5.921	5.915	0.006	100	162908	40.0	36.6	
21 Ethyl ether	59	5.969	5.969	0.000	86	176020	20.0	20.6	
22 Acrolein	56	6.369	6.374	-0.005	99	69882	20.0	20.2	
23 1,1,2-Trichloro-1,2,2-trif	101	6.390	6.390	0.000	91	770789	20.0	18.9	
24 1,1-Dichloroethene	96	6.428	6.428	0.000	98	331449	20.0	20.2	
25 Acetone	43	6.700	6.700	0.000	84	416394	20.0	17.4	
26 Carbon disulfide	76	6.807	6.806	0.001	99	749906	20.0	19.0	
27 Isopropyl alcohol	45	7.031	7.036	-0.005	96	294907	20.0	19.3	
29 3-Chloro-1-propene	41	7.249	7.249	0.000	76	281055	20.0	20.6	
30 Acetonitrile	41	7.404	7.404	0.000	97	128490	20.0	19.4	
31 Methylene Chloride	49	7.554	7.554	0.000	89	306019	20.0	18.1	
32 2-Methyl-2-propanol	59	7.826	7.815	0.011	97	596516	20.0	19.6	
33 Methyl tert-butyl ether	73	7.970	7.970	0.000	94	1083462	20.0	20.8	
34 trans-1,2-Dichloroethene	61	7.997	7.997	0.000	92	456213	20.0	19.8	
35 Acrylonitrile	53	8.178	8.178	0.000	90	152625	20.0	19.8	
36 Hexane	57	8.392	8.386	0.006	86	359472	20.0	20.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.899	8.893	0.006	98	539399	20.0	19.5	
38 Vinyl acetate	43	8.995	8.989	0.006	99	635065	20.0	20.2	
39 cis-1,2-Dichloroethene	96	10.035	10.035	0.000	98	343239	20.0	20.8	
40 2-Butanone (MEK)	72	10.110	10.105	0.005	97	128641	20.0	19.6	
42 Ethyl acetate	88	10.158	10.153	0.005	99	25198	20.0	21.1	
S 41 1,2-Dichloroethene, Total	61				0		40.0	40.6	
* 43 Chlorobromomethane	128	10.510	10.510	0.000	75	179573	10.0	10.0	
44 Tetrahydrofuran	42	10.521	10.521	0.000	78	226575	20.0	19.5	
45 Chloroform	83	10.654	10.654	0.000	98	849784	20.0	19.9	
46 Cyclohexane	84	10.873	10.868	0.005	88	407928	20.0	20.9	
47 1,1,1-Trichloroethane	97	10.916	10.916	0.000	96	1174037	20.0	19.2	
48 Carbon tetrachloride	117	11.161	11.161	0.000	98	1374681	20.0	18.7	
51 Isooctane	57	11.610	11.610	0.000	95	1153135	20.0	21.1	
50 Benzene	78	11.647	11.642	0.005	98	840657	20.0	20.2	
52 1,2-Dichloroethane	62	11.845	11.844	0.001	98	687612	20.0	19.2	
53 n-Heptane	43	12.015	12.015	0.000	78	388372	20.0	20.7	
* 54 1,4-Difluorobenzene	114	12.517	12.517	0.000	95	763411	10.0	10.0	
55 n-Butanol	56	12.960	12.955	0.005	92	106483	20.0	20.1	
56 Trichloroethene	95	12.981	12.976	0.005	94	488361	20.0	22.3	
A 57 GRO	1	13.139	(4.827-21.450)		0	145227209	20.0	0	
58 1,2-Dichloropropane	63	13.558	13.558	0.000	75	260411	20.0	21.5	
59 Methyl methacrylate	69	13.744	13.744	0.000	83	286462	20.0	21.9	
60 1,4-Dioxane	88	13.803	13.803	0.000	91	123564	20.0	20.1	
61 Dibromomethane	174	13.819	13.819	0.000	86	644202	20.0	22.5	
62 Dichlorobromomethane	83	14.123	14.123	0.000	98	1027440	20.0	21.2	
A 63 TVOC as Toluene	1	14.844	(2.981-26.707)		0	288913660	20.0	9008.6	
64 cis-1,3-Dichloropropene	75	15.073	15.073	0.000	94	543322	20.0	21.9	
65 4-Methyl-2-pentanone (MIBK	43	15.378	15.378	0.000	93	601027	20.0	20.0	
66 Toluene	92	15.660	15.660	0.000	92	659096	20.0	20.8	
A 67 Toluene Range	1	15.660	(15.620-15.700)		0	3430262	NC	NC	
68 n-Octane	43	15.719	15.719	0.000	78	558246	20.0	20.6	
A 69 C8 Range	1	15.943	(15.718-16.219)		0	2718594	NC	NC	
70 trans-1,3-Dichloropropene	75	16.280	16.279	0.001	95	683745	20.0	21.2	
71 1,1,2-Trichloroethane	83	16.653	16.653	0.000	85	323830	20.0	21.1	
72 Tetrachloroethene	166	16.739	16.738	0.000	95	978912	20.0	21.4	
73 2-Hexanone	43	17.112	17.112	0.000	95	612238	20.0	19.1	
74 Chlorodibromomethane	129	17.411	17.411	0.000	97	1189678	20.0	21.6	
75 Ethylene Dibromide	107	17.678	17.672	0.006	97	768894	20.0	21.7	
* 76 Chlorobenzene-d5	117	18.569	18.569	0.000	89	753045	10.0	10.0	
77 Chlorobenzene	112	18.633	18.628	0.005	91	1051137	20.0	21.0	
78 Ethylbenzene	91	18.783	18.782	0.001	99	1733470	20.0	21.0	
79 n-Nonane	57	18.905	18.905	0.000	78	589278	20.0	20.9	
81 m-Xylene & p-Xylene	106	19.033	19.033	0.000	0	1394250	40.0	43.1	
83 o-Xylene	106	19.871	19.871	0.000	92	666173	20.0	21.6	
84 Styrene	104	19.925	19.925	0.000	91	1025404	20.0	23.2	
S 82 Xylenes, Total	106				0		60.0	64.8	
85 Bromoform	173	20.346	20.346	0.000	97	1469131	20.0	22.3	
86 Isopropylbenzene	105	20.549	20.549	0.000	98	2173142	20.0	21.3	
88 1,1,2,2-Tetrachloroethane	83	21.205	21.205	0.000	90	864138	20.0	20.5	
90 N-Propylbenzene	91	21.264	21.264	0.000	98	2469757	20.0	20.6	
89 1,2,3-Trichloropropane	75	21.302	21.296	0.006	91	841447	20.0	19.8	
93 n-Decane	57	21.440	21.440	0.000	82	876184	20.0	20.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 4-Ethyltoluene	105	21.451	21.451	0.000	95	2418343	20.0	21.9	
92 2-Chlorotoluene	91	21.462	21.456	0.006	95	2051909	20.0	20.7	
94 1,3,5-Trimethylbenzene	105	21.558	21.558	0.000	92	1930511	20.0	21.0	
95 Alpha Methyl Styrene	118	21.926	21.921	0.005	85	910550	20.0	23.3	
96 tert-Butylbenzene	119	22.043	22.043	0.000	90	1899867	20.0	20.9	
97 1,2,4-Trimethylbenzene	105	22.139	22.139	0.000	98	1914315	20.0	20.7	
98 sec-Butylbenzene	105	22.369	22.364	0.005	94	2473498	20.0	20.5	
99 4-Isopropyltoluene	119	22.566	22.566	0.000	95	2414678	20.0	20.9	
100 1,3-Dichlorobenzene	146	22.598	22.593	0.005	97	1524158	20.0	21.7	
101 1,4-Dichlorobenzene	146	22.732	22.732	0.000	96	1523156	20.0	21.8	
102 Benzyl chloride	91	22.929	22.929	0.000	97	1680444	20.0	20.7	
103 n-Butylbenzene	91	23.137	23.132	0.005	96	2024202	20.0	19.4	
104 Undecane	57	23.153	23.153	0.000	90	882015	20.0	18.9	
105 1,2-Dichlorobenzene	146	23.260	23.260	0.000	93	1389313	20.0	21.3	
106 Dodecane	57	24.728	24.728	0.000	86	895554	20.0	19.4	
107 1,2,4-Trichlorobenzene	180	25.742	25.742	0.000	94	1587257	20.0	22.4	
108 Hexachlorobutadiene	225	25.923	25.923	0.000	94	1901276	20.0	19.9	
109 Naphthalene	128	26.228	26.227	0.001	98	2308853	20.0	22.9	
110 1,2,3-Trichlorobenzene	180	26.697	26.697	0.000	94	1447774	20.0	22.3	
$ 87 4-Bromofluorobenzene	95	20.917	20.917	0.000	92	626586	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

ATTO15CAL6w_00095	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

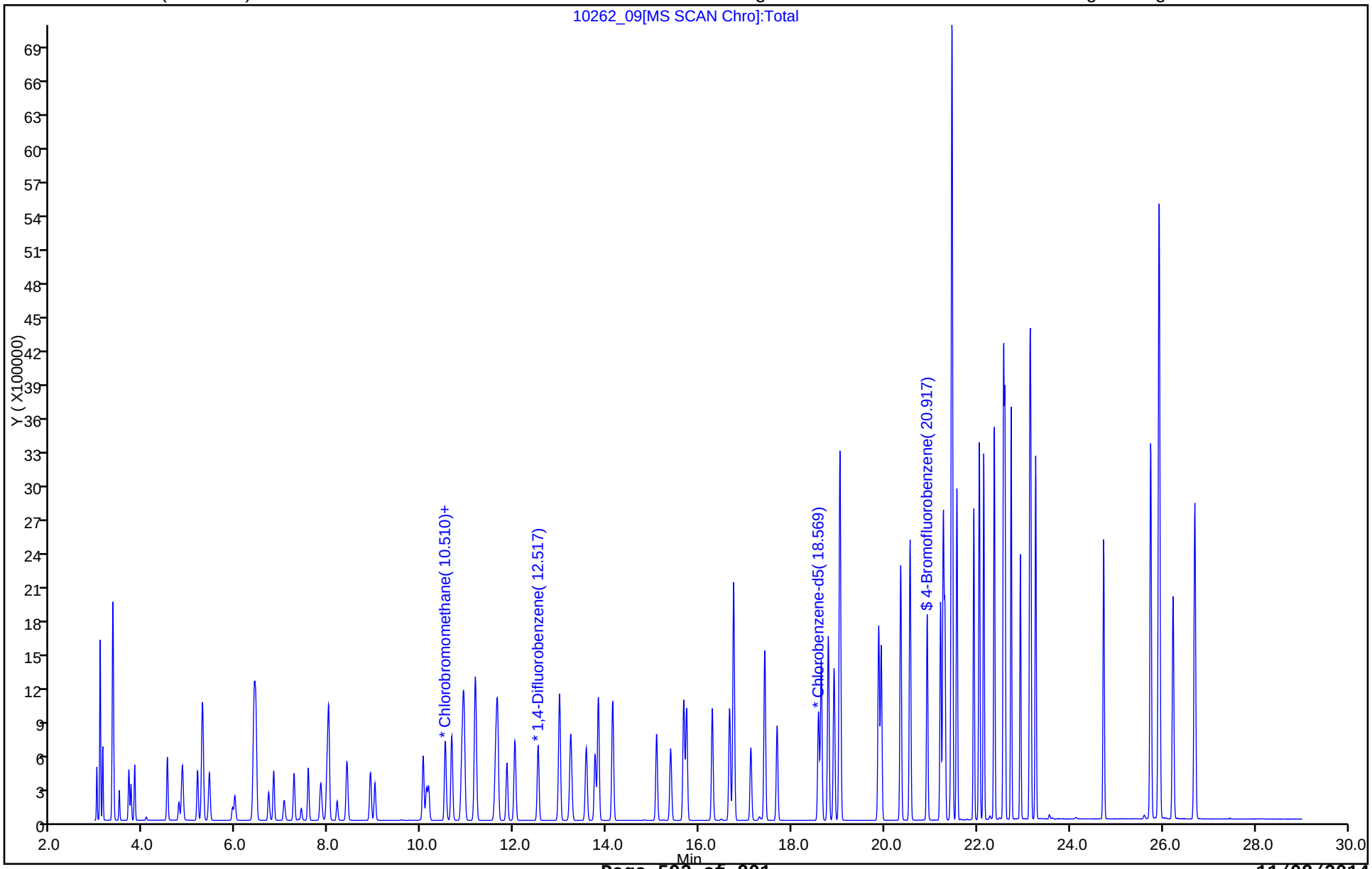
Report Date: 31-Oct-2014 10:46:38 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_09.D

Injection Date:	29-Oct-2014 21:50:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	9
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_10.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 29-Oct-2014 22:37:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010262-010
Misc. Info.: level 8
Operator ID: pad Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 31-Oct-2014 10:54:38 Calib Date: 29-Oct-2014 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: lyonsb Date: 30-Oct-2014 16:01:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.991	2.991	0.000	94	391636	40.0	31.0	
2 Dichlorodifluoromethane	85	3.060	3.060	0.000	96	2638521	40.0	27.8	
6 Chlorodifluoromethane	51	3.119	3.119	0.000	94	1238008	40.0	31.0	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.338	3.332	0.006	90	2335690	40.0	32.3	
8 Chloromethane	50	3.476	3.476	0.000	97	503486	40.0	33.5	
9 Butane	43	3.684	3.679	0.005	93	848852	40.0	32.5	
10 Vinyl chloride	62	3.727	3.727	0.000	98	692523	40.0	34.0	
11 Butadiene	54	3.807	3.807	0.000	94	484898	40.0	34.2	
12 Bromomethane	94	4.512	4.512	0.000	98	853993	40.0	32.2	
13 Chloroethane	64	4.763	4.757	0.006	99	354913	40.0	32.7	
14 2-Methylbutane	43	4.837	4.837	0.000	85	606203	40.0	31.0	
15 Vinyl bromide	106	5.168	5.163	0.005	97	830697	40.0	35.3	
16 Trichlorofluoromethane	101	5.275	5.269	0.006	98	2950173	40.0	29.7	
17 Pentane	43	5.419	5.419	0.000	89	778722	40.0	34.8	
19 Ethanol	45	5.931	5.915	0.016	97	428339	100.0	77.7	M
21 Ethyl ether	59	5.969	5.969	0.000	93	392622	40.0	37.1	M
22 Acrolein	56	6.374	6.374	0.000	98	162385	40.0	37.9	
23 1,1,2-Trichloro-1,2,2-trif	101	6.390	6.390	0.000	92	1716964	40.0	34.0	
24 1,1-Dichloroethene	96	6.428	6.428	0.000	99	761232	40.0	37.5	
25 Acetone	43	6.700	6.700	0.000	84	896771	40.0	30.2	
26 Carbon disulfide	76	6.812	6.806	0.006	99	1690303	40.0	34.6	
27 Isopropyl alcohol	45	7.041	7.036	0.005	96	654335	40.0	34.7	
29 3-Chloro-1-propene	41	7.250	7.249	0.001	77	636333	40.0	37.6	
30 Acetonitrile	41	7.410	7.404	0.006	96	285158	40.0	34.8	
31 Methylene Chloride	49	7.554	7.554	0.000	87	666724	40.0	31.8	
32 2-Methyl-2-propanol	59	7.831	7.815	0.016	97	1341310	40.0	35.7	
33 Methyl tert-butyl ether	73	7.970	7.970	0.000	94	2421265	40.0	37.5	
34 trans-1,2-Dichloroethene	61	8.002	7.997	0.005	91	1039891	40.0	36.5	
35 Acrylonitrile	53	8.184	8.178	0.006	91	353810	40.0	37.0	
36 Hexane	57	8.392	8.386	0.006	86	825506	40.0	38.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.899	8.893	0.006	98	1214375	40.0	35.5	
38 Vinyl acetate	43	8.995	8.989	0.006	99	1417586	40.0	36.4	
39 cis-1,2-Dichloroethene	96	10.041	10.035	0.006	98	807398	40.0	39.5	
40 2-Butanone (MEK)	72	10.110	10.105	0.005	98	302039	40.0	37.1	
42 Ethyl acetate	88	10.158	10.153	0.005	99	57397	40.0	38.7	
S 41 1,2-Dichloroethene, Total	61				0		80.0	76.0	
* 43 Chlorobromomethane	128	10.516	10.510	0.006	80	222326	10.0	10.0	
44 Tetrahydrofuran	42	10.521	10.521	0.000	78	513405	40.0	35.1	
45 Chloroform	83	10.654	10.654	0.000	98	1911593	40.0	36.2	
46 Cyclohexane	84	10.879	10.868	0.011	86	976832	40.0	39.5	
47 1,1,1-Trichloroethane	97	10.916	10.916	0.000	96	2595013	40.0	33.6	
48 Carbon tetrachloride	117	11.167	11.161	0.006	99	2974228	40.0	32.0	
51 Isooctane	57	11.615	11.610	0.005	96	2724116	40.0	39.4	
50 Benzene	78	11.647	11.642	0.005	99	2009449	40.0	38.3	
52 1,2-Dichloroethane	62	11.850	11.844	0.006	98	1533399	40.0	33.9	
53 n-Heptane	43	12.021	12.015	0.006	79	920346	40.0	38.8	
* 54 1,4-Difluorobenzene	114	12.522	12.517	0.005	95	964381	10.0	10.0	
55 n-Butanol	56	12.960	12.955	0.005	90	272967	40.0	40.8	
56 Trichloroethene	95	12.987	12.976	0.011	94	1176243	40.0	42.5	
A 57 GRO	1	13.139	(4.827-21.450)		0	348344568	40.0	0	M
58 1,2-Dichloropropane	63	13.558	13.558	0.000	66	630146	40.0	41.2	
59 Methyl methacrylate	69	13.750	13.744	0.006	81	698267	40.0	42.3	
60 1,4-Dioxane	88	13.809	13.803	0.006	89	298438	40.0	38.5	
61 Dibromomethane	174	13.825	13.819	0.006	86	1578979	40.0	43.7	
62 Dichlorobromomethane	83	14.129	14.123	0.006	98	2373210	40.0	38.8	
A 63 TVOC as Toluene	1	14.844	(2.981-26.707)		0	672201370	40.0	16592	M
64 cis-1,3-Dichloropropene	75	15.079	15.073	0.006	95	1320778	40.0	42.2	
65 4-Methyl-2-pentanone (MIBK	43	15.383	15.378	0.005	92	1388306	40.0	36.6	
A 67 Toluene Range	1	15.660	(15.620-15.700)		0	7155905	NC	NC	M
66 Toluene	92	15.666	15.660	0.006	93	1645719	40.0	40.1	
68 n-Octane	43	15.725	15.719	0.006	77	1329399	40.0	38.8	
A 69 C8 Range	1	15.943	(15.718-16.219)		0	6726269	NC	NC	M
70 trans-1,3-Dichloropropene	75	16.280	16.279	0.001	97	1635470	40.0	40.1	
71 1,1,2-Trichloroethane	83	16.653	16.653	0.000	86	802054	40.0	40.2	
72 Tetrachloroethene	166	16.744	16.738	0.006	96	2410334	40.0	40.7	
73 2-Hexanone	43	17.112	17.112	0.000	96	1423130	40.0	34.3	
74 Chlorodibromomethane	129	17.416	17.411	0.005	96	2823797	40.0	39.5	
75 Ethylene Dibromide	107	17.678	17.672	0.006	98	1897544	40.0	41.3	
* 76 Chlorobenzene-d5	117	18.574	18.569	0.005	91	976764	10.0	10.0	
77 Chlorobenzene	112	18.633	18.628	0.005	91	2608384	40.0	40.1	
78 Ethylbenzene	91	18.788	18.782	0.006	97	4015760	40.0	37.5	
79 n-Nonane	57	18.911	18.905	0.006	76	1458549	40.0	39.9	
81 m-Xylene & p-Xylene	106	19.039	19.033	0.006	0	3484592	80.0	83.1	
83 o-Xylene	106	19.877	19.871	0.006	94	1703907	40.0	42.6	
84 Styrene	104	19.930	19.925	0.005	91	2576009	40.0	44.9	
S 82 Xylenes, Total	106				0		120.0	125.7	
85 Bromoform	173	20.346	20.346	0.000	94	3397035	40.0	39.8	
86 Isopropylbenzene	105	20.549	20.549	0.000	97	4819824	40.0	36.5	
88 1,1,2,2-Tetrachloroethane	83	21.211	21.205	0.006	89	2149915	40.0	39.4	
90 N-Propylbenzene	91	21.270	21.264	0.006	94	5166569	40.0	33.3	
89 1,2,3-Trichloropropane	75	21.302	21.296	0.006	91	2024895	40.0	36.7	
93 n-Decane	57	21.446	21.440	0.006	82	2213808	40.0	39.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 4-Ethyltoluene	105	21.456	21.451	0.005	89	5067482	40.0	35.4	
92 2-Chlorotoluene	91	21.462	21.456	0.006	93	4512809	40.0	35.1	
94 1,3,5-Trimethylbenzene	105	21.563	21.558	0.005	94	4095733	40.0	34.4	
95 Alpha Methyl Styrene	118	21.926	21.921	0.005	85	2200371	40.0	43.5	
96 tert-Butylbenzene	119	22.049	22.043	0.006	87	4049468	40.0	34.3	
97 1,2,4-Trimethylbenzene	105	22.140	22.139	0.001	95	3965804	40.0	33.0	
98 sec-Butylbenzene	105	22.369	22.364	0.005	89	4844987	40.0	30.9	
99 4-Isopropyltoluene	119	22.572	22.566	0.006	88	4794200	40.0	32.0	
100 1,3-Dichlorobenzene	146	22.598	22.593	0.005	89	3414563	40.0	37.4	
101 1,4-Dichlorobenzene	146	22.732	22.732	0.000	87	3319116	40.0	36.6	
102 Benzyl chloride	91	22.935	22.929	0.006	96	3529803	40.0	33.5	
103 n-Butylbenzene	91	23.138	23.132	0.006	94	4356652	40.0	32.1	
104 Undecane	57	23.159	23.153	0.006	88	2332253	40.0	38.6	
105 1,2-Dichlorobenzene	146	23.260	23.260	0.000	90	3102423	40.0	36.7	
106 Dodecane	57	24.728	24.728	0.000	86	2164837	40.0	36.2	
107 1,2,4-Trichlorobenzene	180	25.747	25.742	0.005	95	3713580	40.0	40.3	
108 Hexachlorobutadiene	225	25.929	25.923	0.006	91	3855349	40.0	31.1	
109 Naphthalene	128	26.228	26.227	0.001	96	5254408	40.0	40.1	
110 1,2,3-Trichlorobenzene	180	26.697	26.697	0.000	95	3418056	40.0	40.7	
$ 87 4-Bromofluorobenzene	95	20.917	20.917	0.000	93	800524	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL7w_00049	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

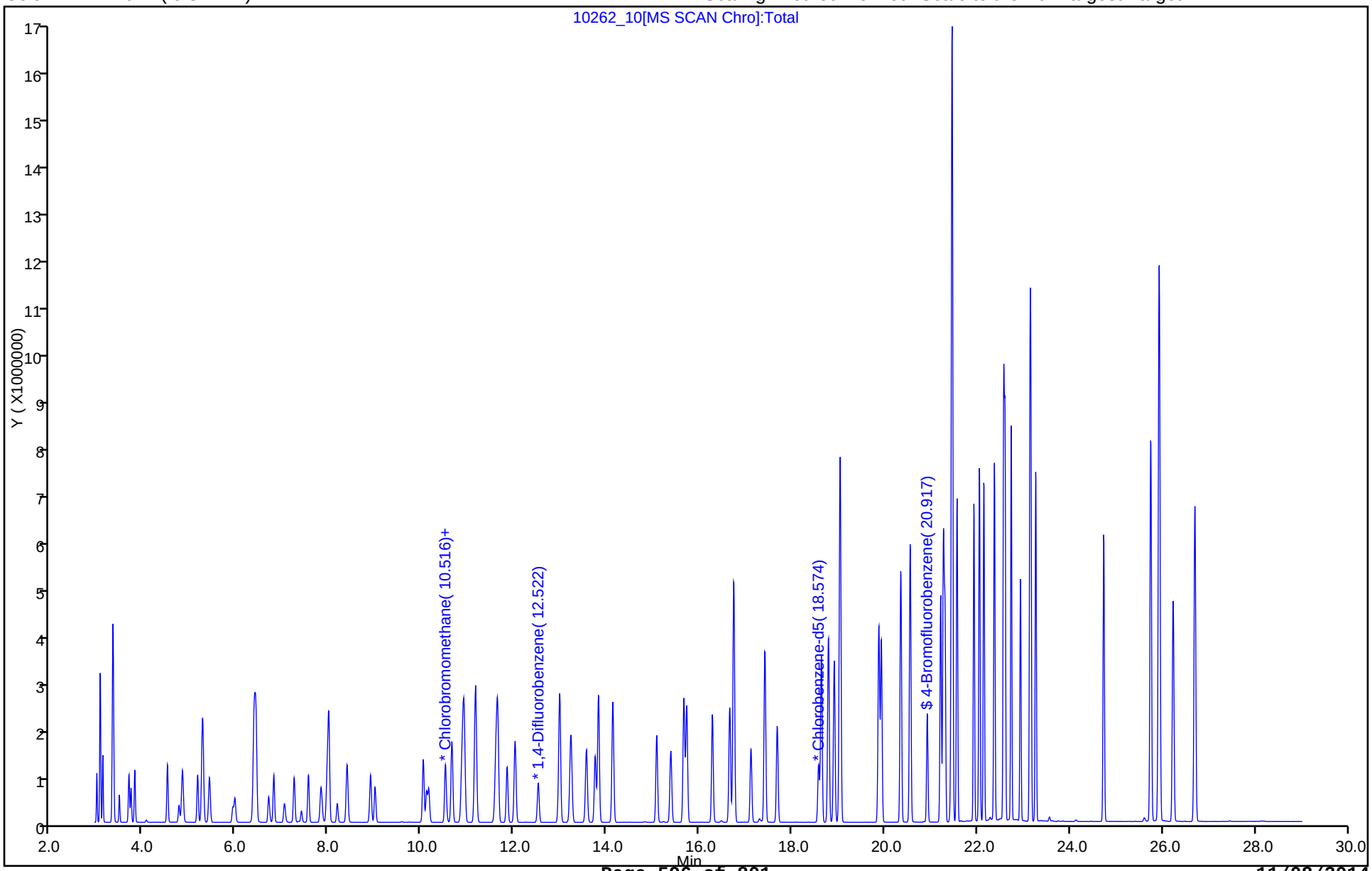
Report Date: 31-Oct-2014 10:54:39 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_10.D

Injection Date:	29-Oct-2014 22:37:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	10
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

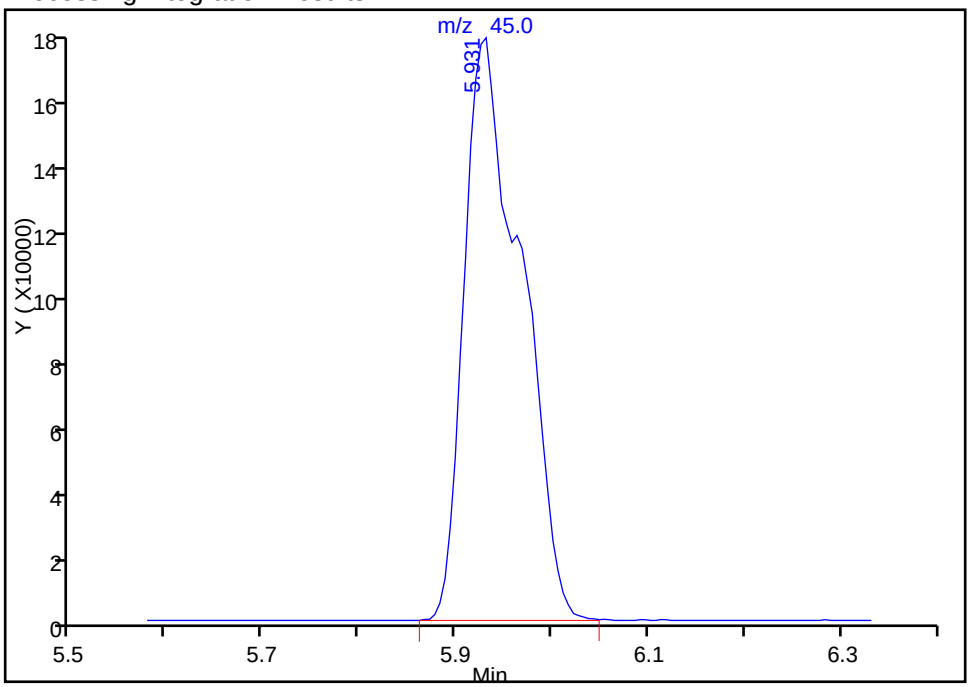
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_10.D				
Injection Date:	29-Oct-2014 22:37:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

19 Ethanol, CAS: 64-17-5

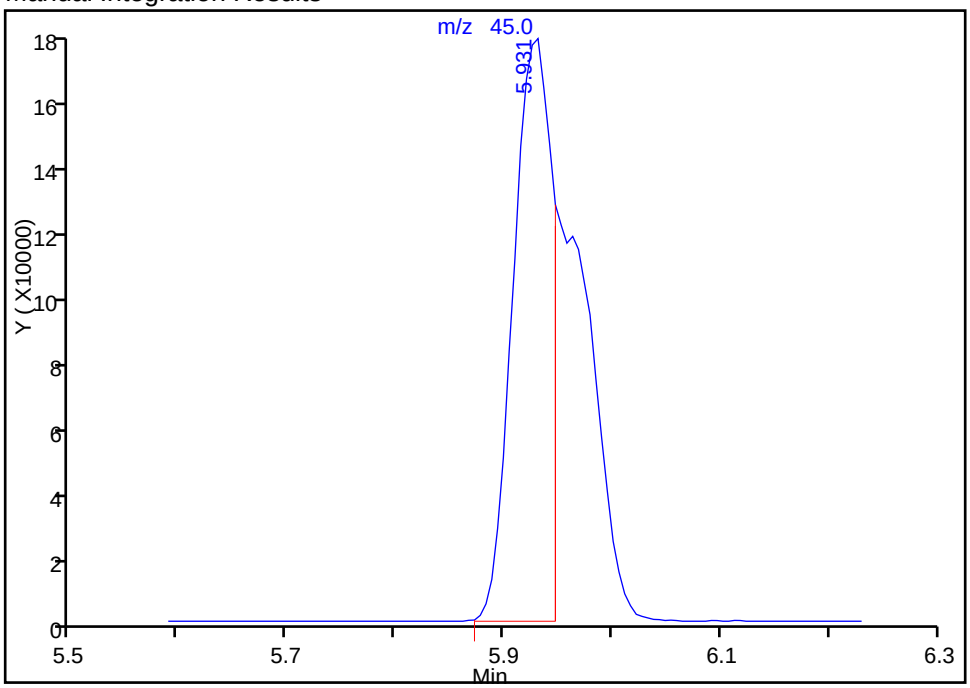
Processing Integration Results

RT: 5.93
Response: 703353
Amount: 117.7354



Manual Integration Results

RT: 5.93
Response: 428339
Amount: 77.659983



Reviewer: nelsona, 31-Oct-2014 09:56:56
Audit Action: Split an Integrated Peak
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

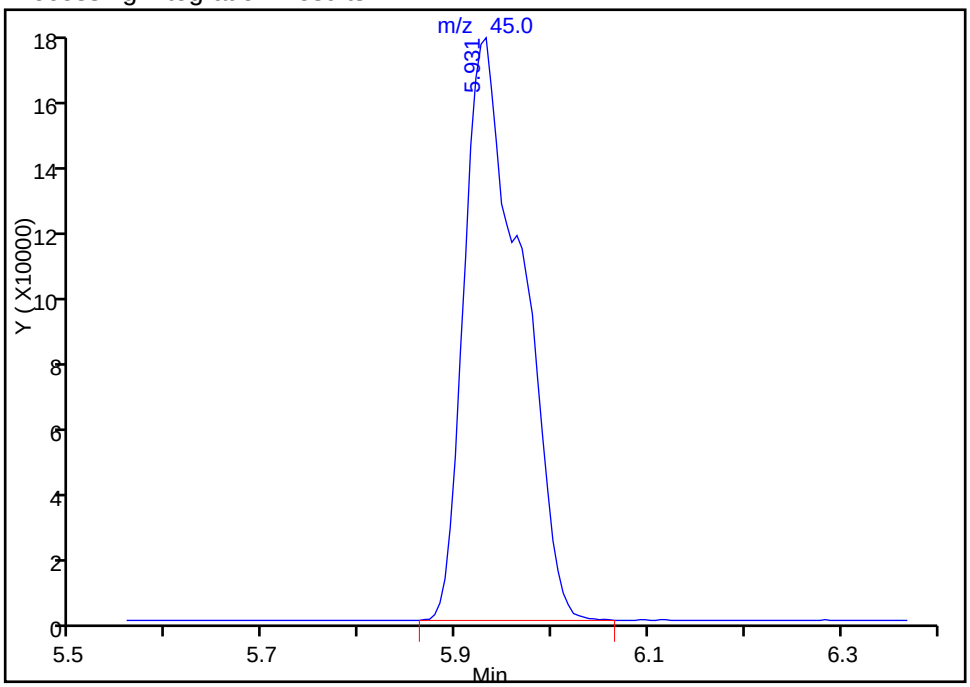
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_10.D				
Injection Date:	29-Oct-2014 22:37:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

21 Ethyl ether, CAS: 60-29-7

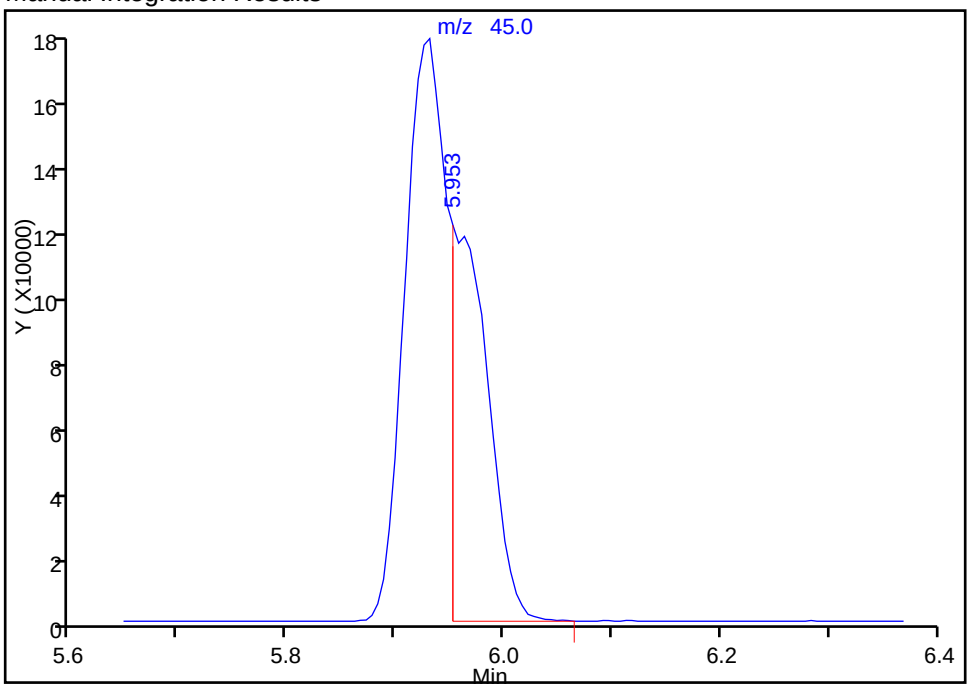
Processing Integration Results

RT: 5.93
Response: 703540
Amount: 37.092562



Manual Integration Results

RT: 5.95
Response: 275084
Amount: 37.092562



Reviewer: nelsona, 31-Oct-2014 09:56:56
Audit Action: Split an Integrated Peak
Audit Reason: Baseline Event

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 280-61460-1 Analy Batch No.: 79595

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/30/2014 13:30 Calibration End Date: 10/30/2014 19:16 Calibration ID: 28412

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-79595/4	10272_004.d
Level 2	IC 200-79595/5	10272_005.d
Level 3	IC 200-79595/6	10272_006.d
Level 4	IC 200-79595/7	10272_007.d
Level 5	ICIS 200-79595/8	10272_008.d
Level 6	IC 200-79595/10	10272_010.d
Level 7	IC 200-79595/9	10272_009.d
Level 8	IC 200-79595/11	10272_011.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.5527	+++++ 0.6031	0.9209 0.4919	0.7032	0.6679	Ave		0.6566				23.0		30.0			
Dichlorodifluoromethane	+++++ 2.7380	+++++ 2.8594	3.5185 2.4276	3.1480	3.0653	Ave		2.9595				13.0		30.0			
Freon 22	+++++ 1.1838	+++++ 1.2782	1.7933 1.0566	1.4749	1.3946	Ave		1.3636				19.0		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.7251	3.2300 2.8404	3.5936 2.3566	3.1282	3.0703	Ave		2.9920				13.0		30.0			
Chloromethane	+++++ 0.6895	+++++ 0.7408	1.0396 0.6237	0.8473	0.8134	Ave		0.7924				18.0		30.0			
n-Butane	+++++ 1.0198	+++++ 1.1064	1.6108 0.9555	1.3603	1.2381	Ave		1.2152				20.0		30.0			
Vinyl chloride	1.1890 0.8801	1.1013 0.9284	1.2148 0.8335	1.0824	1.0175	Ave		1.0309				14.0		30.0			
1,3-Butadiene	+++++ 0.5862	0.6983 0.6207	0.7872 0.5580	0.7362	0.6885	Ave		0.6679				12.0		30.0			
Bromomethane	+++++ 0.9280	1.3323 0.9896	1.4147 0.8744	1.1963	1.0897	Ave		1.1179				18.0		30.0			
Chloroethane	+++++ 0.5318	+++++ 0.5461	0.6669 0.4739	0.5721	0.5753	Ave		0.5610				11.0		30.0			
Isopentane	+++++ 0.8380	1.0040 0.8797	0.9921 0.7165	0.9437	0.9322	Ave		0.9009				11.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.2929	1.1506 1.3019	1.2421 1.2072	1.2126	1.2983	Ave		1.2437				4.6		30.0			
Trichlorofluoromethane	+++++ 2.8235	3.0499 2.8829	3.3167 2.5889	2.9745	2.9795	Ave		2.9451				7.5		30.0			
n-Pentane	+++++ 1.2390	+++++ 1.3024	1.4156 1.0854	1.3827	1.3880	Ave		1.3022				9.6		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 280-61460-1 Analy Batch No.: 79595

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/30/2014 13:30 Calibration End Date: 10/30/2014 19:16 Calibration ID: 28412

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.3258	+++++ 0.3218	0.3758 0.2767	0.3807	0.3655	Ave		0.3411				12.0		30.0			
Ethyl ether	+++++ 0.6149	0.4581 0.6276	0.5804 0.5606	0.6156	0.6384	Ave		0.5851				11.0		30.0			
Acrolein	+++++ 0.2547	+++++ 0.2592	+++++ 0.2194	0.2563	0.2662	Ave		0.2512				7.3		30.0			
Freon TF	+++++ 2.3092	2.4460 2.3450	2.7153 2.0608	2.3888	2.4122	Ave		2.3824				8.1		30.0			
1,1-Dichloroethene	+++++ 1.1552	1.0086 1.1712	1.1756 1.0716	1.1225	1.1838	Ave		1.1269				5.8		30.0			
Acetone	+++++ 1.1168	+++++ 1.0694	+++++ 0.8975	1.7330	1.1944	Ave		1.2022				26.0		30.0			
Carbon disulfide	+++++ 2.9301	+++++ 2.7197	3.1069 2.3951	2.9069	2.9445	Ave		2.8339				8.7		30.0			
Isopropyl alcohol	+++++ 0.9380	+++++ 0.9575	+++++ 0.8250	1.0642	1.0286	Ave		0.9627				9.6		30.0			
3-Chloropropene	+++++ 0.8766	0.7674 0.9294	0.8645 0.7909	0.9500	0.9597	Ave		0.8769				8.6		30.0			
Acetonitrile	+++++ 0.4905	+++++ 0.5048	+++++ 0.4237	0.5733	0.5181	Ave		0.5021				11.0		30.0			
Methylene Chloride	+++++ 0.7918	+++++ 0.8356	1.1655 0.7037	0.9446	0.8930	Ave		0.8891				18.0		30.0			
tert-Butyl alcohol	+++++ 1.5236	+++++ 1.5344	+++++ 1.3824	1.4976	1.5611	Ave		1.4998				4.6		30.0			
Methyl tert-butyl ether	+++++ 2.8515	1.8577 2.8724	2.3078 2.6188	2.7180	2.7960	Ave		2.5746				14.0		30.0			
trans-1,2-Dichloroethene	+++++ 1.2154	1.1365 1.2566	1.3118 1.0857	1.3232	1.3082	Ave		1.2339				7.5		30.0			
Acrylonitrile	+++++ 0.5750	+++++ 0.5965	0.6039 0.5267	0.6117	0.6048	Ave		0.5864				5.4		30.0			
n-Hexane	+++++ 1.3232	0.9995 1.3678	1.1730 1.1651	1.3927	1.4225	Ave		1.2634				12.0		30.0			
1,1-Dichloroethane	1.7425 1.6098	1.6596 1.6558	1.8786 1.4258	1.7718	1.7313	Ave		1.6844				7.9		30.0			
Vinyl acetate	+++++ 1.8261	+++++ 1.9062	+++++ 1.5778	1.9268	1.9688	Ave		1.8411				8.5		30.0			
cis-1,2-Dichloroethene	+++++ 1.2950	1.0021 1.3078	1.2130 1.1532	1.2978	1.3134	Ave		1.2260				9.4		30.0			
Methyl Ethyl Ketone	+++++ 0.5392	+++++ 0.5274	0.6895 0.4457	0.5846	0.5414	Ave		0.5546				14.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 280-61460-1 Analy Batch No.: 79595

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/30/2014 13:30 Calibration End Date: 10/30/2014 19:16 Calibration ID: 28412

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.1038	+++++ 0.1027	+++++ 0.0933	0.0965	0.0990	Ave		0.0991				4.4		30.0			
Tetrahydrofuran	+++++ 0.1739	+++++ 0.1830	+++++ 0.1510	0.1940	0.1869	Ave		0.1778				9.3		30.0			
Chloroform	+++++ 2.1557	2.2164 2.1951	2.4472 1.9697	2.2926	2.2462	Ave		2.2176				6.5		30.0			
Cyclohexane	+++++ 0.3466	0.2241 0.3591	0.2866 0.3034	0.3453	0.3604	Ave		0.3179				16.0		30.0			
1,1,1-Trichloroethane	+++++ 0.5021	0.4751 0.5229	0.5357 0.4614	0.5209	0.5269	Ave		0.5064				5.6		30.0			
Carbon tetrachloride	0.5001 0.5675	0.5056 0.5881	0.5883 0.5354	0.5628	0.5757	Ave		0.5529				6.4		30.0			
2,2,4-Trimethylpentane	+++++ 0.9470	0.6164 0.9872	0.7958 0.7934	1.0187	1.0270	Ave		0.8836				17.0		30.0			
Benzene	+++++ 0.7340	0.6963 0.7631	0.7929 0.6503	0.7870	0.7808	Ave		0.7435				7.2		30.0			
1,2-Dichloroethane	+++++ 0.2486	0.2404 0.2599	0.2868 0.2283	0.2701	0.2669	Ave		0.2573				7.7		30.0			
n-Heptane	+++++ 0.2928	0.2205 0.3068	0.2607 0.2408	0.3330	0.3269	Ave		0.2831				15.0		30.0			
n-Butanol	+++++ 0.0997	+++++ 0.1045	+++++ 0.0953	0.1021	0.1081	Ave		0.1019				4.7		30.0			
Trichloroethene	0.2976 0.3518	0.2985 0.3626	0.3481 0.3219	0.3536	0.3598	Ave		0.3367				8.0		30.0			
1,2-Dichloropropane	+++++ 0.2410	0.2287 0.2507	0.2547 0.2126	0.2592	0.2549	Ave		0.2431				7.0		30.0			
Methyl methacrylate	+++++ 0.2518	+++++ 0.2608	0.1896 0.2283	0.2450	0.2509	Ave		0.2377				11.0		30.0			
1,4-Dioxane	+++++ 0.1285	+++++ 0.1263	+++++ 0.1141	0.1373	0.1302	Ave		0.1273				6.6		30.0			
Dibromomethane	+++++ 0.4472	0.3807 0.4521	0.4118 0.4210	0.4155	0.4336	Ave		0.4231				5.7		30.0			
Bromodichloromethane	+++++ 0.5193	0.4777 0.5407	0.5497 0.4708	0.5474	0.5427	Ave		0.5212				6.4		30.0			
cis-1,3-Dichloropropene	+++++ 0.3926	0.2316 0.4058	0.2844 0.3620	0.3707	0.3944	Ave		0.3488				19.0		30.0			
methyl isobutyl ketone	+++++ 0.3786	+++++ 0.3978	0.3039 0.3195	0.4201	0.4208	Ave		0.3734				14.0		30.0			
n-Octane	+++++ 0.3732	0.2638 0.3823	0.3561 0.2653	0.4856	0.4441	Ave		0.3672				23.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 280-61460-1 Analy Batch No.: 79595

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/30/2014 13:30 Calibration End Date: 10/30/2014 19:16 Calibration ID: 28412

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Toluene	+++++ 0.6401	0.5000 0.6379	0.6127 0.5034	0.6674	0.6801	Ave		0.6059				12.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.3951	0.2554 0.4101	0.3123 0.3649	0.3940	0.3969	Ave		0.3612				16.0		30.0			
1,1,2-Trichloroethane	+++++ 0.2998	0.2750 0.3067	0.3032 0.2688	0.3060	0.3035	Ave		0.2947				5.4		30.0			
Tetrachloroethene	0.5510 0.7295	0.5525 0.7314	0.6511 0.6603	0.6544	0.6915	Ave		0.6527				11.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.3932	+++++ 0.4070	0.3160 0.3320	0.4182	0.4267	Ave		0.3822				12.0		30.0			
Dibromochloromethane	+++++ 0.7857	0.5857 0.7949	0.6772 0.7130	0.7358	0.7622	Ave		0.7221				10.0		30.0			
1,2-Dibromoethane	+++++ 0.6226	0.4485 0.6294	0.5439 0.5676	0.5910	0.6129	Ave		0.5737				11.0		30.0			
Chlorobenzene	+++++ 0.9970	0.9244 0.9954	1.0271 0.8656	0.9827	0.9869	Ave		0.9684				5.7		30.0			
Ethylbenzene	+++++ 1.3820	0.9989 1.3877	1.2502 1.1353	1.4278	1.4126	Ave		1.2849				13.0		30.0			
n-Nonane	+++++ 0.4861	0.3349 0.4940	0.4724 0.3716	0.5675	0.5318	Ave		0.4655				18.0		30.0			
m,p-Xylene	+++++ 0.5984	0.3996 0.5927	0.5545 0.4450	0.6460	0.6267	Ave		0.5519				17.0		30.0			
Xylene, o-	+++++ 0.6225	0.3462 0.6255	0.4504 0.5165	0.6216	0.6249	Ave		0.5439				20.0		30.0			
Styrene	+++++ 0.9505	0.4621 0.9524	0.6728 0.7789	0.9398	0.9594	Ave		0.8166				23.0		30.0			
Bromoform	+++++ 0.8748	0.5732 0.8729	0.6854 0.7322	0.8218	0.8405	Ave		0.7715				15.0		30.0			
Cumene	+++++ 1.6942	0.9509 1.6799	1.3311 1.3093	1.7848	1.7447	Ave		1.4993				21.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.7931	0.7251 0.7991	0.8508 0.6299	0.8633	0.8265	Ave		0.7840				10.0		30.0			
n-Propylbenzene	+++++ 1.9004	1.3404 1.8657	1.7080 1.3420	2.1094	2.0225	Ave		1.7555				18.0		30.0			
1,2,3-Trichloropropane	+++++ 0.5669	+++++ 0.5704	0.6494 0.4368	0.6374	0.6035	Ave		0.5774				13.0		30.0			
n-Decane	+++++ 0.6516	+++++ 0.6491	0.6168 0.4504	0.7780	0.7299	Ave		0.6460				17.0		30.0			
4-Ethyltoluene	+++++ 1.7420	1.1855 1.7078	1.6379 1.2690	1.8727	1.8115	Ave		1.6038				17.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 280-61460-1 Analy Batch No.: 79595

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/30/2014 13:30 Calibration End Date: 10/30/2014 19:16 Calibration ID: 28412

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.3825	1.0734 1.3805	1.3678 1.0671	1.4893	1.4208	Ave		1.3117				13.0		30.0			
1,3,5-Trimethylbenzene	+++++ 1.4684	0.9647 1.4496	1.3237 1.1312	1.5560	1.5167	Ave		1.3443				16.0		30.0			
Alpha Methyl Styrene	+++++ 0.8367	0.3647 0.8549	0.5114 0.7244	0.7092	0.8344	Ave		0.6908				27.0		30.0			
tert-Butylbenzene	+++++ 1.5192	0.9187 1.5001	1.2999 1.1868	1.5836	1.5668	Ave		1.3679				18.0		30.0			
1,2,4-Trimethylbenzene	+++++ 1.4951	0.8754 1.4790	1.2642 1.1679	1.5930	1.5518	Ave		1.3466				19.0		30.0			
sec-Butylbenzene	+++++ 2.1342	1.3748 2.0882	1.8906 1.5553	2.3492	2.2719	Ave		1.9520				19.0		30.0			
4-Isopropyltoluene	+++++ 1.9221	1.0327 1.8738	1.5413 1.4244	2.0509	2.0108	Ave		1.6937				22.0		30.0			
1,3-Dichlorobenzene	+++++ 1.2285	0.9340 1.2091	1.1103 1.0073	1.2340	1.2171	Ave		1.1343				11.0		30.0			
1,4-Dichlorobenzene	+++++ 1.2267	0.8142 1.2073	0.9722 1.0135	1.2013	1.1998	Ave		1.0907				15.0		30.0			
Benzyl chloride	+++++ 1.2128	0.5667 1.2058	0.8080 1.0333	1.1763	1.1815	Ave		1.0263				24.0		30.0			
n-Undecane	+++++ 0.6825	+++++ 0.6575	+++++ 0.4158	0.8864	0.8082	Ave		0.6901				26.0		30.0			
n-Butylbenzene	+++++ 1.5099	1.0832 1.4687	1.5403 1.0257	1.7954	1.6927	Ave		1.4451				20.0		30.0			
1,2-Dichlorobenzene	+++++ 1.1749	0.8666 1.1623	1.0618 0.9898	1.1833	1.1696	Ave		1.0869				11.0		30.0			
n-Dodecane	+++++ 0.6570	+++++ 0.6261	+++++ 0.1734	0.7174	0.6862	Ave		0.5720				39.0	*	30.0			
1,2,4-Trichlorobenzene	+++++ 0.9936	+++++ 0.9228	0.4551 0.8102	0.8554	0.8939	Ave		0.8218				23.0		30.0			
Hexachlorobutadiene	+++++ 0.8339	0.6383 0.8157	0.7180 0.5982	0.7952	0.8064	Ave		0.7437				13.0		30.0			
Naphthalene	+++++ 2.0146	+++++ 1.7206	0.4328 1.4980	1.7682	1.7823	Ave		1.5361				37.0	*	30.0			
1,2,3-Trichlorobenzene	+++++ 0.8932	0.3907 0.8119	0.4681 0.6003	0.7949	0.7937	Ave		0.6790				28.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 280-61460-1 Analy Batch No.: 79595

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/30/2014 13:30 Calibration End Date: 10/30/2014 19:16 Calibration ID: 28412

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-79595/4	10272_004.d
Level 2	IC 200-79595/5	10272_005.d
Level 3	IC 200-79595/6	10272_006.d
Level 4	IC 200-79595/7	10272_007.d
Level 5	ICIS 200-79595/8	10272_008.d
Level 6	IC 200-79595/10	10272_010.d
Level 7	IC 200-79595/9	10272_009.d
Level 8	IC 200-79595/11	10272_011.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 514886	+++++ 723849	19379 1271512	161592	354952	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 2550880	+++++ 3431752	74043 6275216	723361	1629109	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 1102867	+++++ 1534071	37737 2731379	338900	741195	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 2538878	27158 3408983	75623 6091907	718801	1631755	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 642349	+++++ 889042	21876 1612271	194690	432276	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 950101	+++++ 1327889	33898 2470045	312560	657993	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	1912 819905	9260 1114259	25564 2154649	248714	540790	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 546139	5871 744951	16566 1442410	169166	365915	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 864576	11202 1187738	29770 2260357	274889	579129	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 495405	+++++ 655362	14033 1225066	131466	305743	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 780691	8442 1055741	20877 1852271	216854	495464	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 1204493	9674 1562527	26139 3120603	278625	690018	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 2630526	25644 3460006	69795 6692235	683475	1583506	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 1154289	+++++ 1563096	29789 2805767	317720	737674	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 405623	+++++ 772616	79169 1788444	175086	291516	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 280-61460-1 Analy Batch No.: 79595

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/30/2014 13:30 Calibration End Date: 10/30/2014 19:16 Calibration ID: 28412

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 572824	3852 753220	12214 1449060	141452	339282	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 237246	+++++ 311128	+++++ 567149	58900	141461	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 2151336	20566 2814363	57139 5327024	548894	1282020	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 1076249	8480 1405604	24739 2770024	257935	629180	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 1040480	+++++ 1283426	+++++ 2319972	398208	634816	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 2729786	+++++ 3264050	65381 6191287	667961	1564910	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 873901	+++++ 1149139	+++++ 2132589	244526	546692	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 816649	6452 1115384	18193 2044420	218285	510049	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 457018	+++++ 605848	+++++ 1095167	131741	275366	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 737721	+++++ 1002918	24527 1819146	217047	474620	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1419419	+++++ 1841502	+++++ 3573577	344130	829691	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 2656631	15620 3447393	48564 6769473	624541	1485974	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 1132340	9556 1508178	27606 2806529	304040	695262	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 535731	+++++ 715844	12709 1361622	140554	321432	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 1232725	8404 1641639	24685 3011679	320020	756043	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	2802 1499721	13954 1987196	39532 3685784	407121	920142	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 1701258	+++++ 2287768	+++++ 4078626	442747	1046353	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 1206490	8426 1569536	25526 2981059	298200	698053	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 502305	+++++ 632976	14509 1152166	134326	287732	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 96681	+++++ 123251	+++++ 241057	22185	52633	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 747537	+++++ 990368	+++++ 1780231	206572	454792	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 280-61460-1 Analy Batch No.: 79595

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/30/2014 13:30 Calibration End Date: 10/30/2014 19:16 Calibration ID: 28412

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 2008368	18636 2634536	51499 5091638	526793	1193787	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 1489496	8795 1942864	28386 3576402	367629	877288	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 2158030	18650 2829493	53064 5438743	554551	1282526	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	3774 2439028	19847 3181946	58270 6310065	599229	1401218	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 4070177	24198 5341455	78822 9351231	1084569	2499571	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 3154700	27334 4129128	78539 7665146	837916	1900431	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1068428	9435 1406475	28409 2690345	287520	649681	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 1258494	8654 1660050	25825 2838188	354546	795696	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 428385	+++++ 565646	+++++ 1122966	108720	262991	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	2246 1511993	11717 1962001	34475 3794203	376465	875625	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 1035885	8977 1356602	25232 2506095	275939	620433	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 1082329	+++++ 1411226	18781 2690703	260894	610598	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 552089	+++++ 683388	+++++ 1345444	146190	316948	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 1921986	14945 2446187	40785 4961745	442428	1055255	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 2231919	18753 2925755	54452 5548841	582856	1320806	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 1687232	9093 2195480	28168 4266242	394660	959996	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 1627100	+++++ 2152399	30097 3765959	447297	1024167	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 1603851	10354 2068592	35269 3126709	517033	1080971	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 2529055	17820 3210827	55131 5424861	679717	1552451	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 1698170	10025 2218949	30931 4301209	419534	966087	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1184466	9802 1543843	27283 2896441	311614	692679	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 280-61460-1 Analy Batch No.: 79595

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/30/2014 13:30 Calibration End Date: 10/30/2014 19:16 Calibration ID: 28412

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	3718 2882044	19692 3681777	58591 7116298	666386	1578505	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 1553612	+++++ 2048670	28439 3577979	425937	974085	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 3104145	20875 4001250	60940 7683923	749334	1739747	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 2459925	15983 3168158	48940 6116941	601842	1399031	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 3939060	32944 5010842	92428 9328736	1000773	2252716	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 5460296	35600 6985458	112502 12236038	1454057	3224494	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 1920382	11934 2486682	42507 4005052	577934	1213988	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 4728486	28480 5966823	99802 9592539	1315795	2861117	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 2459452	12339 3148518	40534 5566079	632989	1426285	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 3755319	16469 4794361	60541 8393943	957079	2189922	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 3456165	20427 4394092	61681 7890991	836924	1918459	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 6693649	33890 8456084	119784 14110395	1817594	3982500	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 3133414	25842 4022577	76564 6788775	879176	1886484	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 7508323	47770 9391442	153696 14462963	2148131	4616614	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 2239628	+++++ 2871426	58434 4708050	649138	1377535	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 2574439	+++++ 3267577	55506 4854428	792328	1666172	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 6882431	42249 8596743	147394 13676296	1907132	4134862	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 5462367	38256 6949206	123082 11500991	1516729	3243095	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 5801411	34381 7296964	119117 12191836	1584614	3462050	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 3305893	12997 4303313	46020 7807416	722230	1904601	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 6002121	32742 7550929	116976 12790704	1612694	3576321	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 280-61460-1 Analy Batch No.: 79595

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/30/2014 13:30 Calibration End Date: 10/30/2014 19:16 Calibration ID: 28412

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 5907205	31200 7444689	113766 12586768	1622277	3542124	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 8432340	48996 10511592	170134 16761680	2392363	5185907	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 7594342	36804 9432232	138698 15351599	2088584	4589896	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 4853588	33288 6086245	99909 10856277	1256710	2778154	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 4846536	29018 6077301	87483 10923348	1223381	2738674	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 4791634	20198 6069464	72706 11136196	1197892	2696918	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 2696395	+++++ 3309522	+++++ 4481098	902670	1844882	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 5965379	38603 7393210	138606 11054003	1828423	3863720	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 4642152	30886 5850758	95546 10667582	1205045	2669607	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 2595722	+++++ 3151819	+++++ 1868524	730570	1566305	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 3925486	+++++ 4645009	40956 8731615	871083	2040454	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 3294889	22749 4106157	64613 6446574	809842	1840570	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 7959453	+++++ 8661077	38946 16144895	1800685	4068165	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 3529170	13923 4087058	42124 6469334	809500	1811637	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_004.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 30-Oct-2014 13:30:30 ALS Bottle#: 2 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010272-004
Misc. Info.: IC
Operator ID: BPL Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 31-Oct-2014 08:17:45 Calib Date: 30-Oct-2014 19:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: lyonsb Date: 31-Oct-2014 06:53:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.397	4.376	0.021	83	4225	0.0401	0.1604	
2 Dichlorodifluoromethane	85	4.488	4.483	0.005	97	5328	0.0401	0.0449	
6 Chlorodifluoromethane	51	4.547	4.553	-0.006	39	3285	0.0401	0.0601	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.831	4.831	-0.001	71	2990	0.0401	0.0249	
8 Chloromethane	50	5.028	5.023	0.005	36	1471	0.0401	0.0463	
9 Butane	43	5.296	5.286	0.010	64	2892	0.0401	0.0593	
10 Vinyl chloride	62	5.355	5.344	0.011	22	1912	0.0401	0.0462	
11 Butadiene	54	5.435	5.440	-0.005	62	1166	0.0401	0.0435	
12 Bromomethane	94	6.312	6.307	0.005	46	2974	0.0401	0.0663	
13 BFB									
14 Chloroethane	64	6.580	6.585	-0.005	9	540	0.0401	0.0240	
15 2-Methylbutane	43	6.660	6.682	-0.022	50	1792	0.0401	0.0496	
16 Vinyl bromide	106	7.072	7.067	0.005	46	1815	0.0401	0.0364	
17 Trichlorofluoromethane	101	7.179	7.179	0.000	86	3487	0.0401	0.0295	
18 Pentane	43	7.340	7.340	0.000	8	1314	0.0401	0.0252	
19 Ethanol	45	7.816	7.800	0.016	69	1188	0.0802	0.0868	
21 Ethyl ether	59	7.933	7.928	0.005	26	343	0.0401	0.0146	
22 Acrolein	56	8.404	8.388	0.016	0	426	0.0401	0.0423	M
23 1,1,2-Trichloro-1,2,2-trif	101	8.426	8.426	0.000	94	4243	0.0401	0.0444	
24 1,1-Dichloroethene	96	8.511	8.500	0.011	1	1586	0.0401	0.0351	
25 Acetone	43	8.752	8.725	0.027	87	19212	0.0401	0.3984	
26 Carbon disulfide	76	8.998	8.987	0.011	97	5581	0.0401	0.0491	
27 Isopropyl alcohol	45	9.041	9.009	0.032	95	6511	0.0401	0.1686	
29 3-Chloro-1-propene	41	9.388	9.383	0.005	30	929	0.0401	0.0264	
30 Acetonitrile	41	9.538	9.506	0.032	47	1387	0.0401	0.0689	
31 Methylene Chloride	49	9.709	9.715	-0.006	57	1644	0.0401	0.0461	
32 2-Methyl-2-propanol	59	9.891	9.875	0.016	10	1476	0.0401	0.0245	
33 Methyl tert-butyl ether	73	10.159	10.132	0.027	51	1920	0.0401	0.0186	
S 41 1,2-Dichloroethene, Total	61				0		0.0802	0.0693	
34 trans-1,2-Dichloroethene	61	10.202	10.212	-0.010	41	1887	0.0401	0.0381	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Acrylonitrile	53	10.351	10.351	0.000	11	109	0.0401	0.004634	
36 Hexane	57	10.630	10.624	0.006	57	1469	0.0401	0.0290	
37 1,1-Dichloroethane	63	11.175	11.175	0.000	92	2802	0.0401	0.0415	
38 Vinyl acetate	43	11.218	11.207	0.011	55	1733	0.0401	0.0235	
39 cis-1,2-Dichloroethene	96	12.352	12.347	0.005	53	1533	0.0401	0.0312	
40 2-Butanone (MEK)	72	12.368	12.358	0.010	98	1090	0.0401	0.0490	
42 Ethyl acetate	88		12.379					ND	
44 Tetrahydrofuran	42	12.839	12.823	0.016	31	747	0.0401	0.0223	
* 43 Chlorobromomethane	128	12.828	12.829	-0.001	89	401126	10.0	10.0	
45 Chloroform	83	12.935	12.941	-0.006	56	2492	0.0401	0.0280	
46 Cyclohexane	84	13.251	13.240	0.011	43	860	0.0401	0.0144	
47 1,1,1-Trichloroethane	97	13.246	13.246	0.000	92	3503	0.0401	0.0367	
48 Carbon tetrachloride	117	13.508	13.502	0.006	93	3774	0.0401	0.0363	
51 Isooctane	57	13.882	13.893	-0.011	0	4414	0.0401	0.0265	M
50 Benzene	78	13.952	13.952	0.000	11	2368	0.0401	0.0169	
52 1,2-Dichloroethane	62	14.107	14.112	-0.005	0	1879	0.0401	0.0388	M
53 n-Heptane	43	14.246	14.252	-0.006	59	976	0.0401	0.0183	
* 54 1,4-Difluorobenzene	114	14.711	14.712	-0.001	92	1882640	10.0	10.0	
A 57 GRO	1	14.746	(6.672-22.832)		0	763786	0.0401	0	
55 n-Butanol	56	15.006	14.990	0.016	14	579	0.0401	0.0302	
56 Trichloroethene	95	15.188	15.177	0.011	87	2246	0.0401	0.0354	M
58 1,2-Dichloropropane	63	15.690	15.696	-0.006	84	1876	0.0401	0.0410	
59 Methyl methacrylate	69	15.781	15.776	0.005	0	961	0.0401	0.0215	M
60 1,4-Dioxane	88	15.883	15.872	0.011	1	350	0.0401	0.0146	
61 Dibromomethane	174	15.942	15.947	-0.005	90	3553	0.0401	0.0446	
62 Dichlorobromomethane	83	16.193	16.188	0.005	96	3241	0.0401	0.0330	
A 63 TVOC as Toluene	92	16.605	(4.366-28.834)		0	1286503	0.0401	11.3	
64 cis-1,3-Dichloropropene	75	17.049	17.049	0.000	1	1045	0.0401	0.0159	
65 4-Methyl-2-pentanone (MIBK	43	17.290	17.279	0.011	2	1450	0.0401	0.0206	
A 68 C8 Range	1	17.628	(17.566-17.666)		0	18479	NC	NC	
69 n-Octane	43	17.616	17.616	0.000	59	1728	0.0401	0.0250	
A 67 Toluene Range	92	17.622	(17.577-17.657)		0	18479	0.0401	0.1812	
66 Toluene	92	17.627	17.617	0.010	93	3276	0.0401	0.0321	
70 trans-1,3-Dichloropropene	75	18.162	18.157	0.005	74	992	0.0401	0.0146	
71 1,1,2-Trichloroethane	83	18.526	18.520	0.006	1	1898	0.0401	0.0383	M
72 Tetrachloroethene	166	18.665	18.665	0.000	93	3718	0.0401	0.0338	
73 2-Hexanone	43	18.906	18.906	0.000	21	612	0.0401	0.009513	
74 Chlorodibromomethane	129	19.280	19.280	0.000	92	2750	0.0401	0.0226	
75 Ethylene Dibromide	107	19.569	19.564	0.005	80	2959	0.0401	0.0306	
S 82 Xylenes, Total	106				0		0.1203	0.0619	
* 76 Chlorobenzene-d5	117	20.409	20.409	0.000	82	1683287	10.0	10.0	
77 Chlorobenzene	112	20.462	20.462	0.000	91	6520	0.0401	0.0400	
78 Ethylbenzene	91	20.580	20.586	-0.006	95	6791	0.0401	0.0314	
79 n-Nonane	57	20.644	20.634	0.010	89	2000	0.0401	0.0255	
80 m-Xylene & p-Xylene	106	20.794	20.789	0.005	0	4533	0.0802	0.0488	
83 o-Xylene	106	21.516	21.511	0.005	68	1200	0.0401	0.0131	
84 Styrene	104	21.548	21.548	0.000	94	2392	0.0401	0.0174	
85 Bromoform	173	21.928	21.934	-0.006	96	2928	0.0401	0.0225	
86 Isopropylbenzene	105	22.073	22.073	0.000	95	5581	0.0401	0.0221	
$ 87 4-Bromofluorobenzene	95	22.415	22.415	0.000	97	1034235	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.640	22.640	0.000	93	4047	0.0401	0.0307	
90 N-Propylbenzene	91	22.715	22.710	0.005	98	9147	0.0401	0.0310	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.747	22.741	0.006	88	3282	0.0401	0.0338	
93 n-Decane	57	22.822	22.822	0.000	82	2319	0.0401	0.0213	
91 4-Ethyltoluene	105	22.880	22.875	0.005	98	6914	0.0401	0.0256	
92 2-Chlorotoluene	91	22.918	22.913	0.005	92	5876	0.0401	0.0266	
94 1,3,5-Trimethylbenzene	105	22.971	22.971	0.000	94	5558	0.0401	0.0246	
95 Alpha Methyl Styrene	118	23.324	23.314	0.010	93	1990	0.0401	0.0171	
96 tert-Butylbenzene	119	23.442	23.448	-0.006	92	5366	0.0401	0.0233	
97 1,2,4-Trimethylbenzene	105	23.533	23.538	-0.005	90	5054	0.0401	0.0223	
98 sec-Butylbenzene	105	23.779	23.769	0.010	98	7770	0.0401	0.0236	
99 4-Isopropyltoluene	119	23.977	23.977	0.000	95	5829	0.0401	0.0204	
100 1,3-Dichlorobenzene	146	24.047	24.047	0.000	97	5684	0.0401	0.0298	
101 1,4-Dichlorobenzene	146	24.202	24.191	0.011	92	4840	0.0401	0.0264	
102 Benzyl chloride	91	24.405	24.614	-0.209	93	3786	0.0401	0.0219	
104 Undecane	57	24.587	24.587	0.000	91	1886	0.0401	0.0162	
103 n-Butylbenzene	91	24.614	24.614	0.000	95	5864	0.0401	0.0241	
105 1,2-Dichlorobenzene	146	24.806	24.801	0.005	96	5369	0.0401	0.0293	
106 Dodecane	57	26.379	26.379	0.000	15	1149	0.0401	0.0119	
107 1,2,4-Trichlorobenzene	180	27.690	27.674	0.016	85	2289	0.0401	0.0165	
108 Hexachlorobutadiene	225	27.866	27.877	-0.011	93	4460	0.0401	0.0356	
109 Naphthalene	128	28.257	28.257	0.000	1	1011	0.0401	0.003910	
110 1,2,3-Trichlorobenzene	180	28.835	28.824	0.011	1	2397	0.0401	0.0210	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00114	Amount Added: 40.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

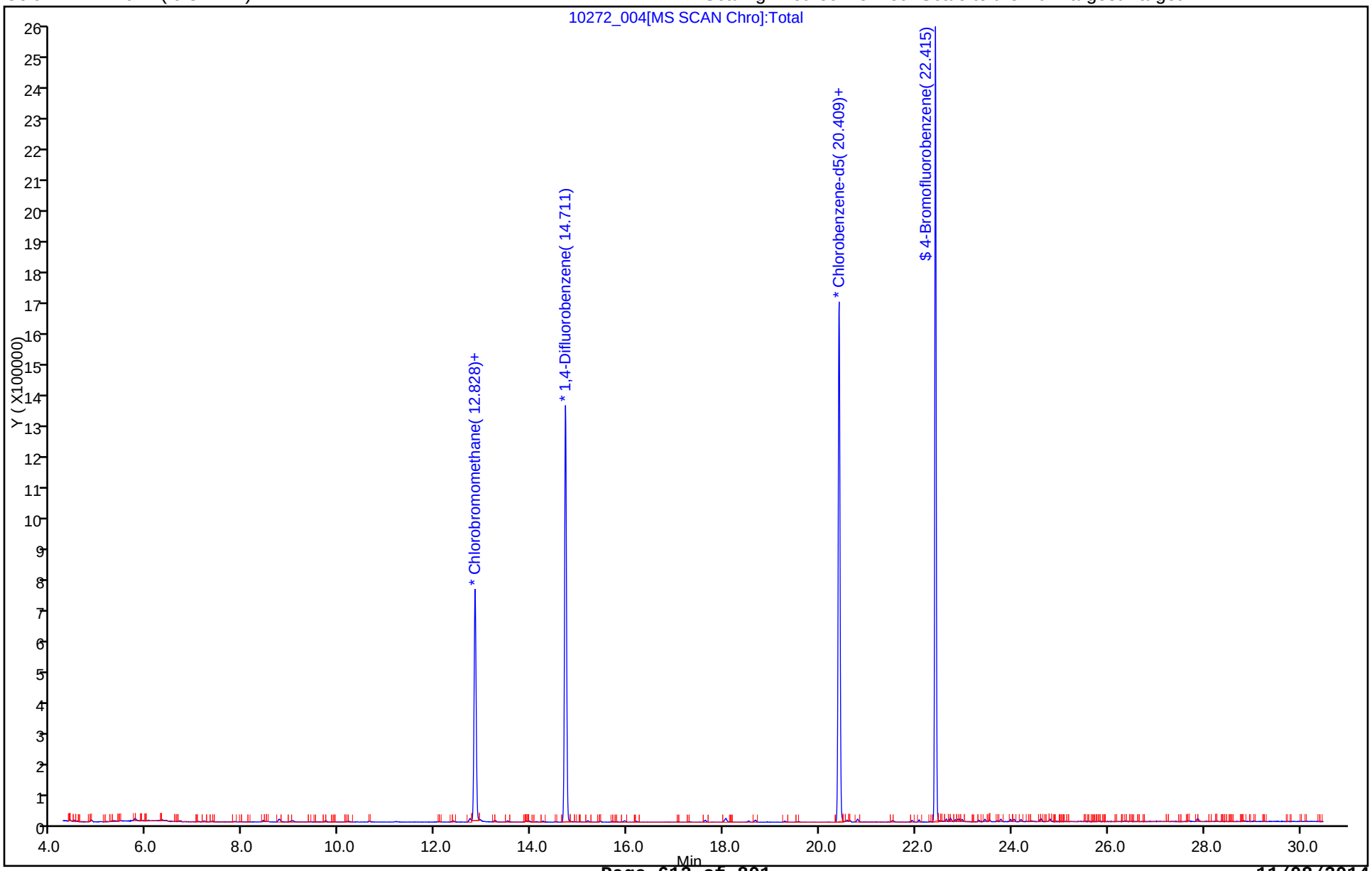
Report Date: 31-Oct-2014 08:17:45 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_004.d

Injection Date:	30-Oct-2014 13:30:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	IC			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

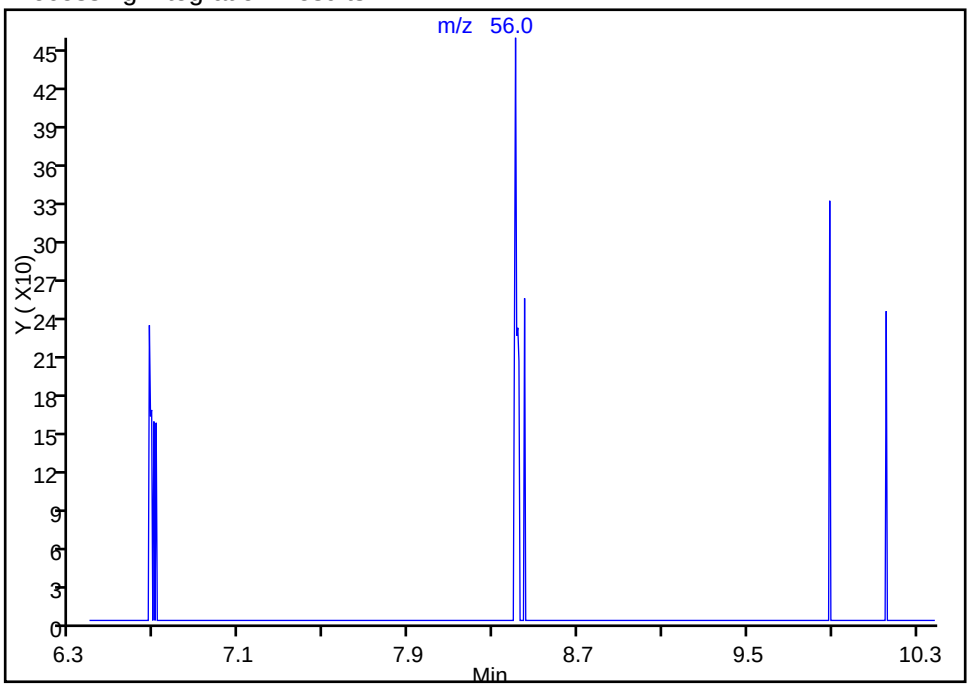
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_004.d				
Injection Date:	30-Oct-2014 13:30:30	Instrument ID:	CHW.i		
Lims ID:	IC				
Client ID:					
Operator ID:	BPL	ALS Bottle#:	2	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

22 Acrolein, CAS: 107-02-8

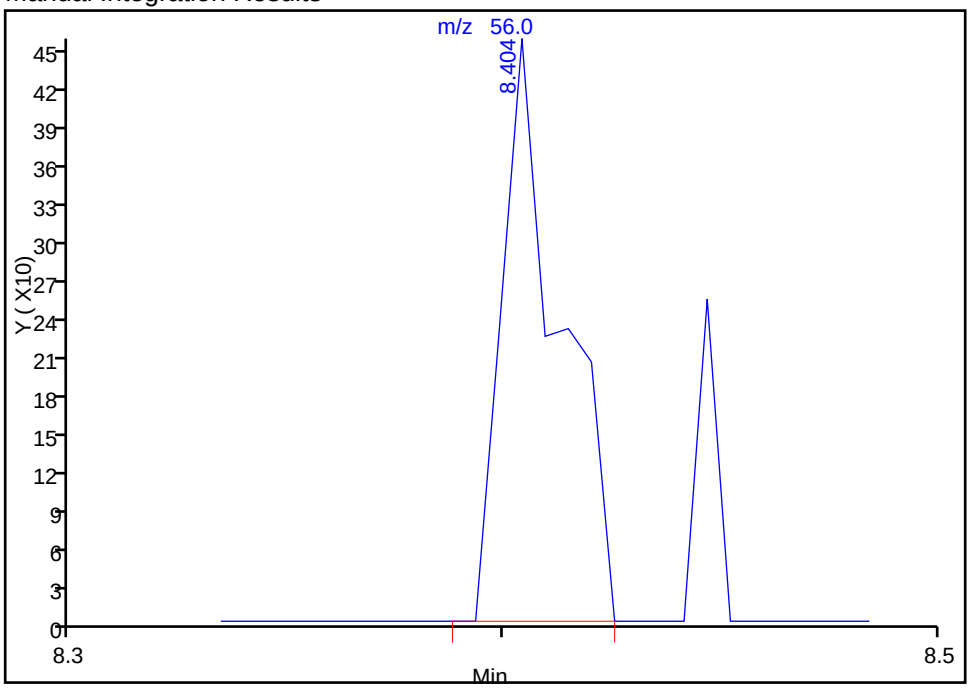
Not Detected
Expected RT: 8.39

Processing Integration Results



Manual Integration Results

RT: 8.40
Response: 426
Amount: 0.042285



Reviewer: lyonsb, 31-Oct-2014 06:53:16
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

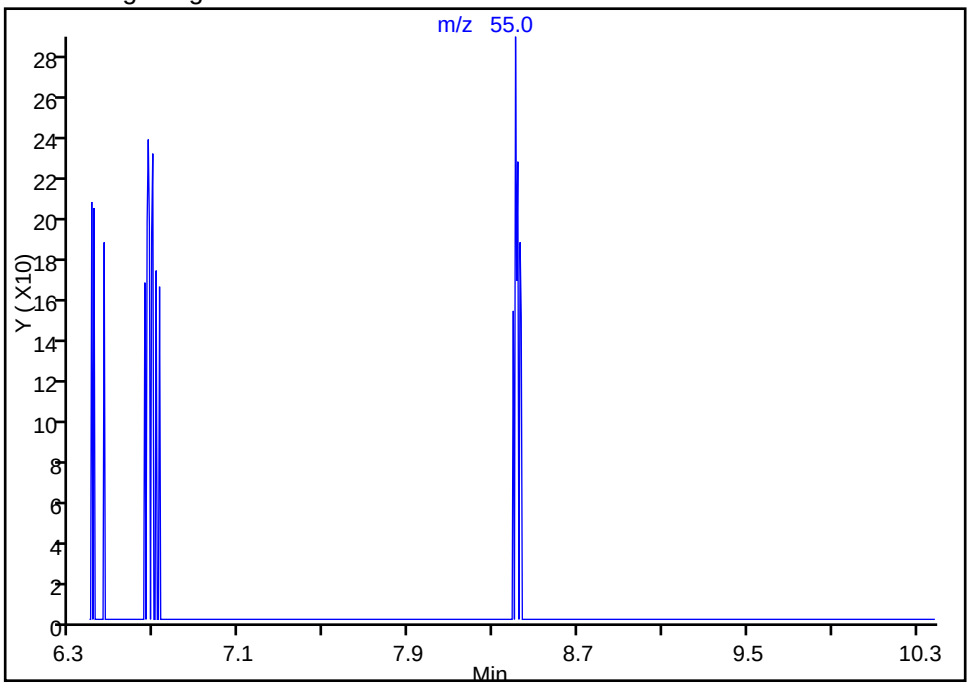
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_004.d				
Injection Date:	30-Oct-2014 13:30:30	Instrument ID:	CHW.i		
Lims ID:	IC				
Client ID:					
Operator ID:	BPL	ALS Bottle#:	2	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

22 Acrolein, CAS: 107-02-8

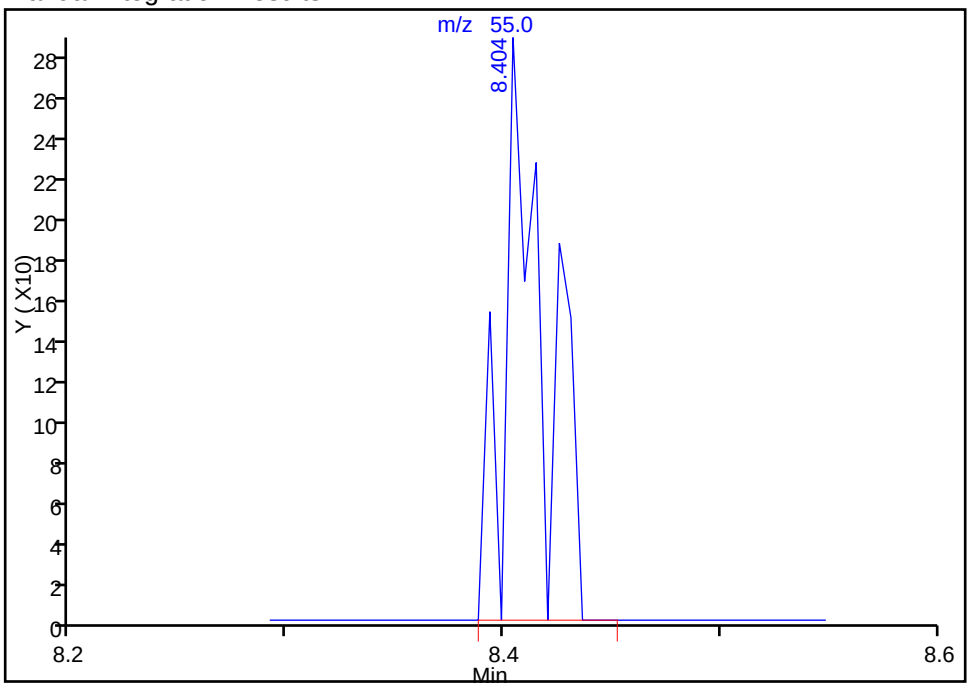
Not Detected
Expected RT: 8.39

Processing Integration Results



Manual Integration Results

RT: 8.40
Response: 377
Amount: 0.042285



Reviewer: lyonsb, 31-Oct-2014 06:53:16
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

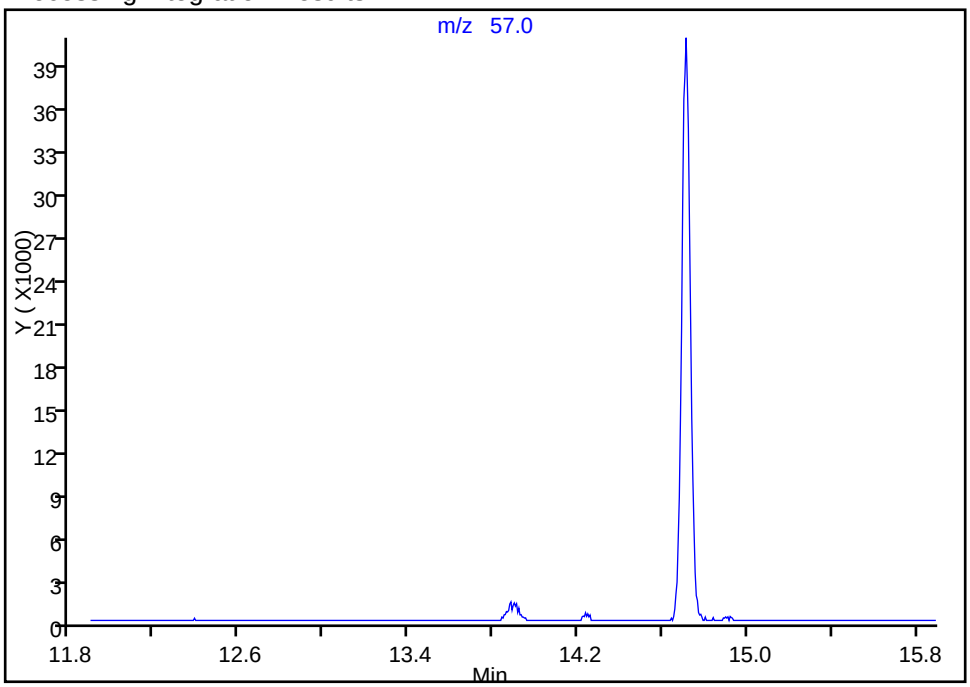
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_004.d
Injection Date: 30-Oct-2014 13:30:30 Instrument ID: CHW.i
Lims ID: IC
Client ID:
Operator ID: BPL ALS Bottle#: 2 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

51 Isooctane, CAS: 540-84-1

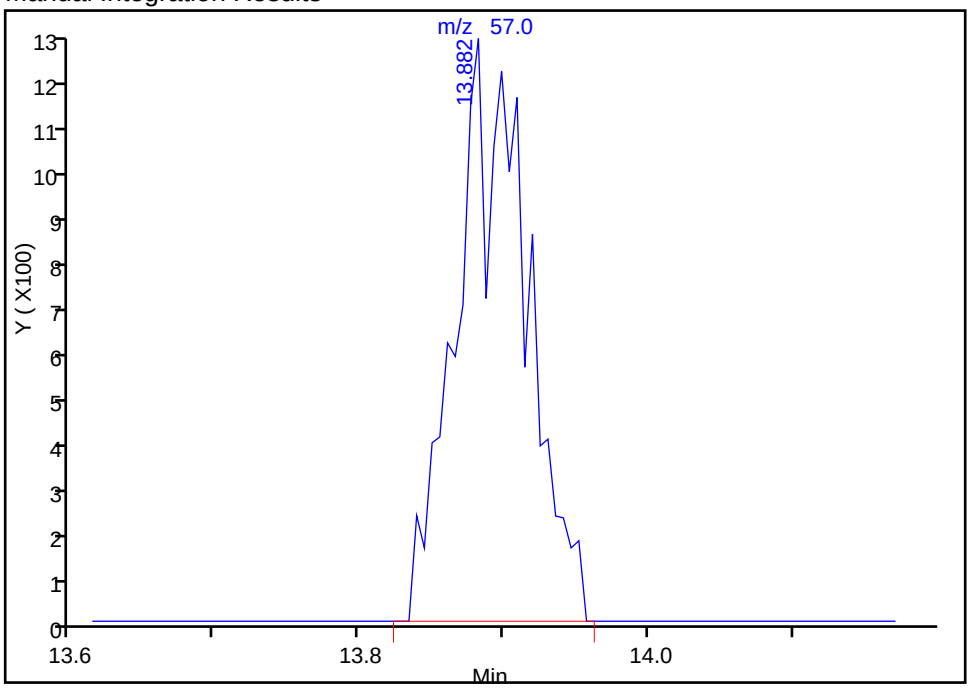
Not Detected
Expected RT: 13.89

Processing Integration Results



Manual Integration Results

RT: 13.88
Response: 4414
Amount: 0.026534



Reviewer: lyonsb, 31-Oct-2014 06:53:16
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

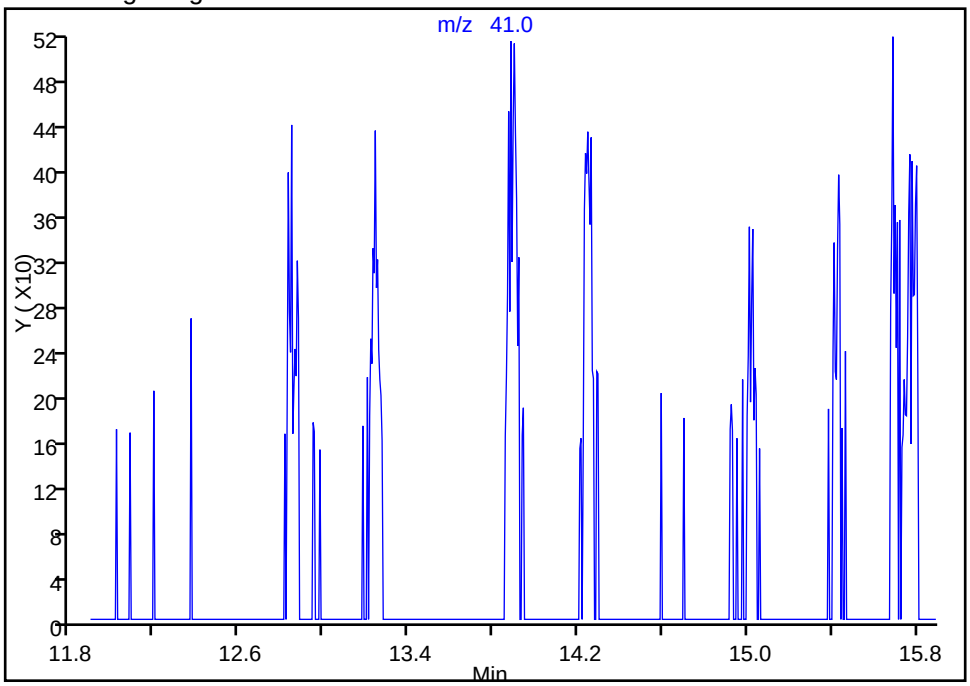
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_004.d
Injection Date: 30-Oct-2014 13:30:30 Instrument ID: CHW.i
Lims ID: IC
Client ID:
Operator ID: BPL ALS Bottle#: 2 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

51 Isooctane, CAS: 540-84-1

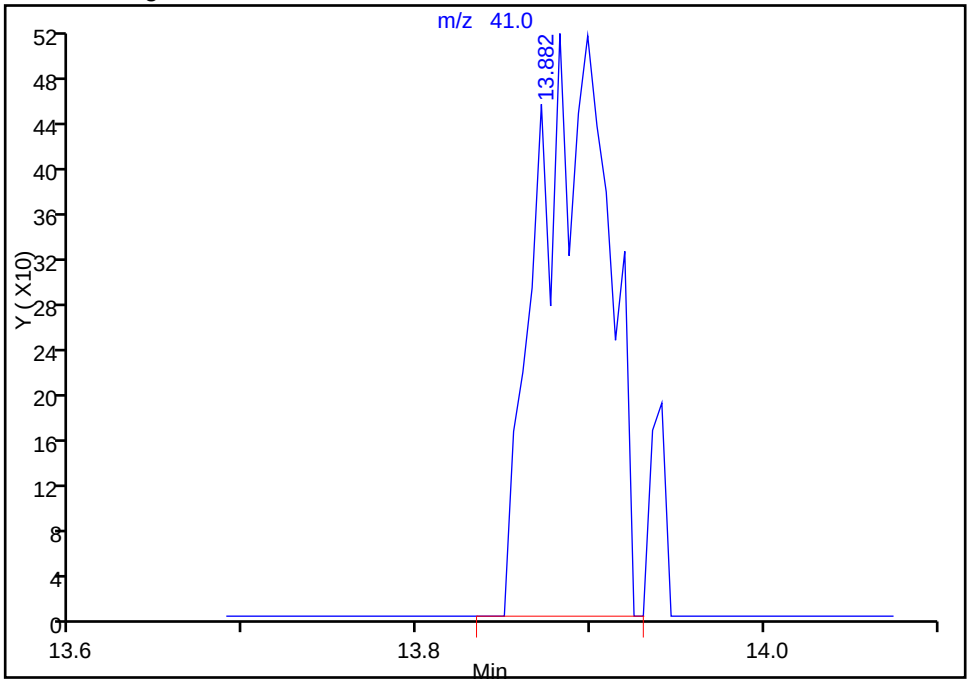
Not Detected
Expected RT: 13.89

Processing Integration Results



RT: 13.88
Response: 1453
Amount: 0.026534

Manual Integration Results



Reviewer: lyonsb, 31-Oct-2014 06:53:16
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

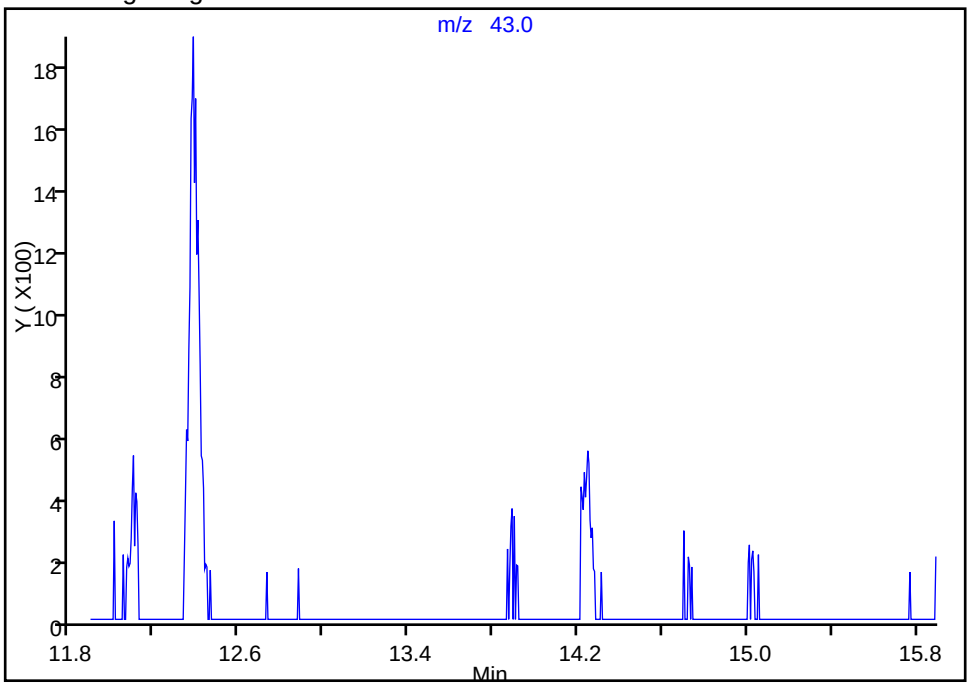
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_004.d				
Injection Date:	30-Oct-2014 13:30:30	Instrument ID:	CHW.i		
Lims ID:	IC				
Client ID:					
Operator ID:	BPL	ALS Bottle#:	2	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

51 Isooctane, CAS: 540-84-1

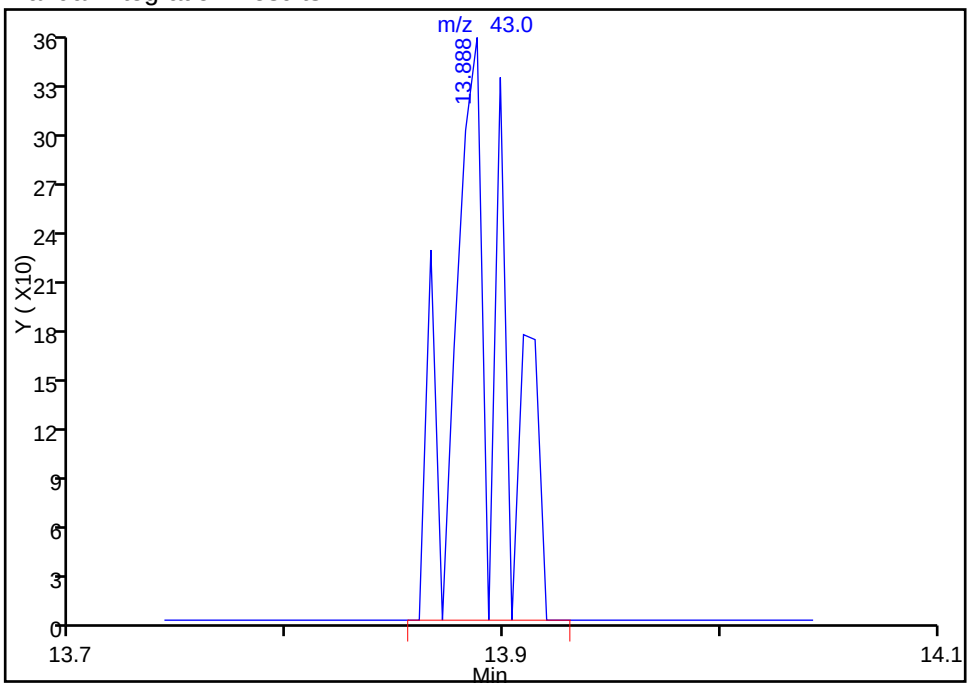
Not Detected
Expected RT: 13.89

Processing Integration Results



Manual Integration Results

RT: 13.89
Response: 546
Amount: 0.026534



Reviewer: lyonsb, 31-Oct-2014 06:53:16
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

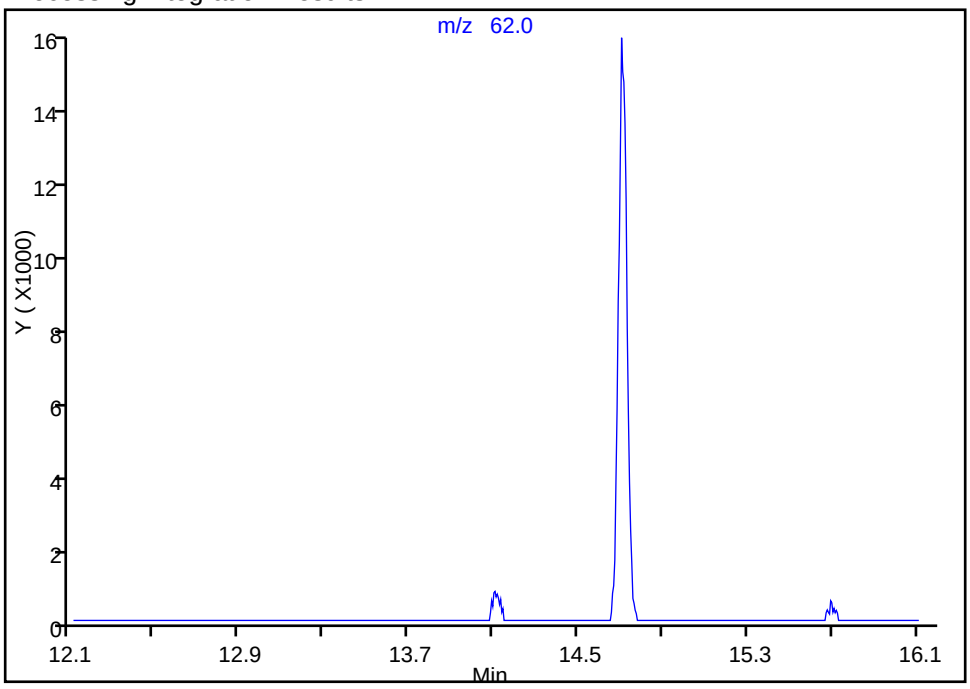
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_004.d				
Injection Date:	30-Oct-2014 13:30:30	Instrument ID:	CHW.i		
Lims ID:	IC				
Client ID:					
Operator ID:	BPL	ALS Bottle#:	2	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

52 1,2-Dichloroethane, CAS: 107-06-2

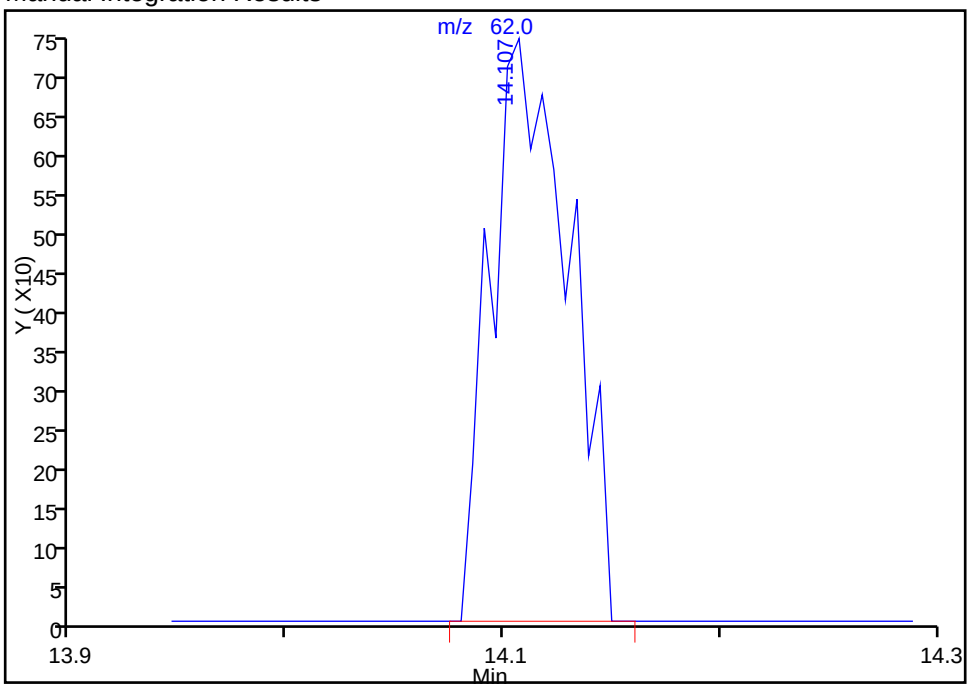
Processing Integration Results

Not Detected
Expected RT: 14.11



Manual Integration Results

RT: 14.11
Response: 1879
Amount: 0.038794



Reviewer: lyonsb, 31-Oct-2014 06:53:16
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

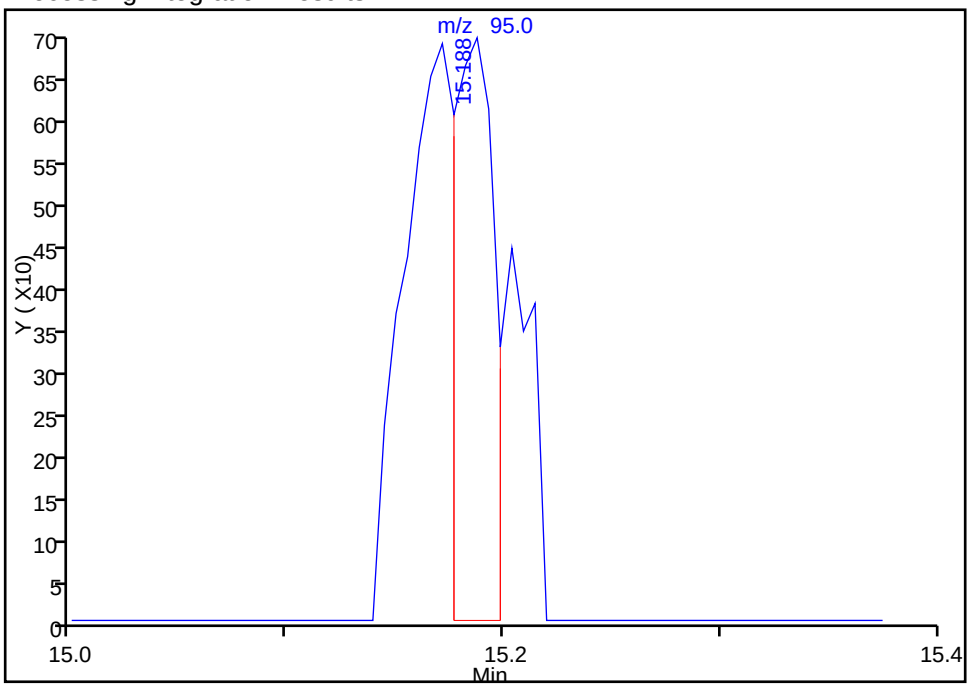
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_004.d				
Injection Date:	30-Oct-2014 13:30:30	Instrument ID:	CHW.i		
Lims ID:	IC				
Client ID:					
Operator ID:	BPL	ALS Bottle#:	2	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

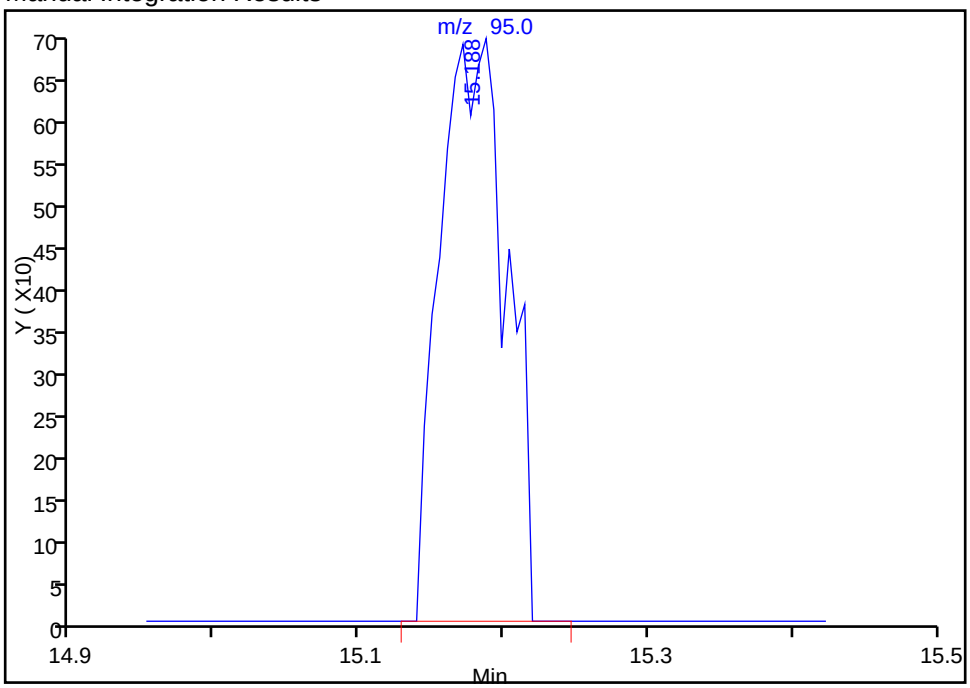
Processing Integration Results

RT: 15.19
Response: 930
Amount: 0.015484



Manual Integration Results

RT: 15.19
Response: 2246
Amount: 0.035430



Reviewer: lyonsb, 31-Oct-2014 06:53:16
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

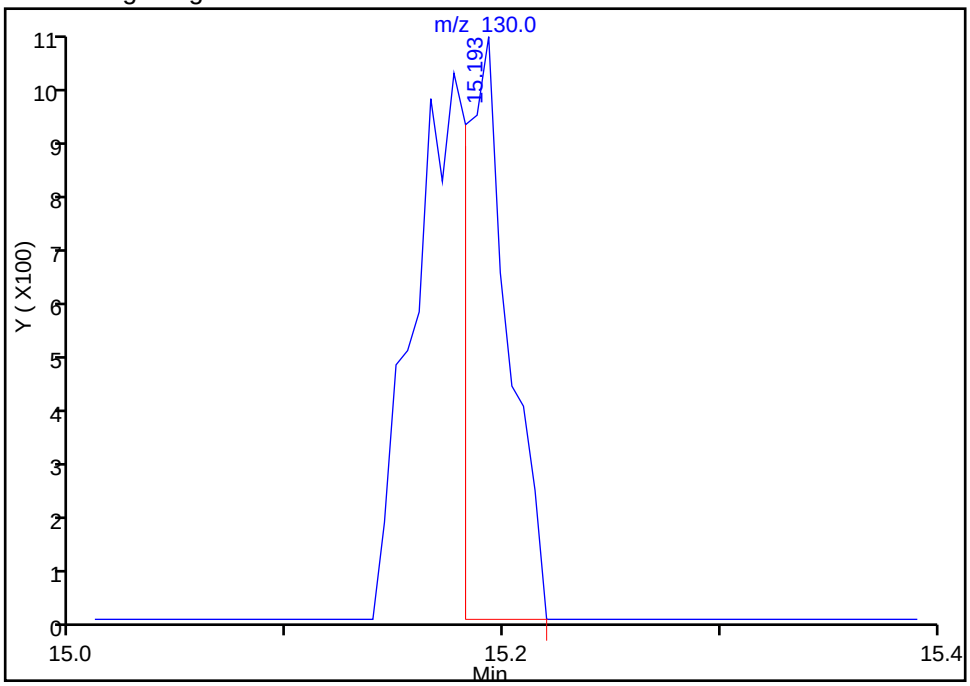
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_004.d
Injection Date: 30-Oct-2014 13:30:30 Instrument ID: CHW.i
Lims ID: IC
Client ID:
Operator ID: BPL ALS Bottle#: 2 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

56 Trichloroethene, CAS: 79-01-6

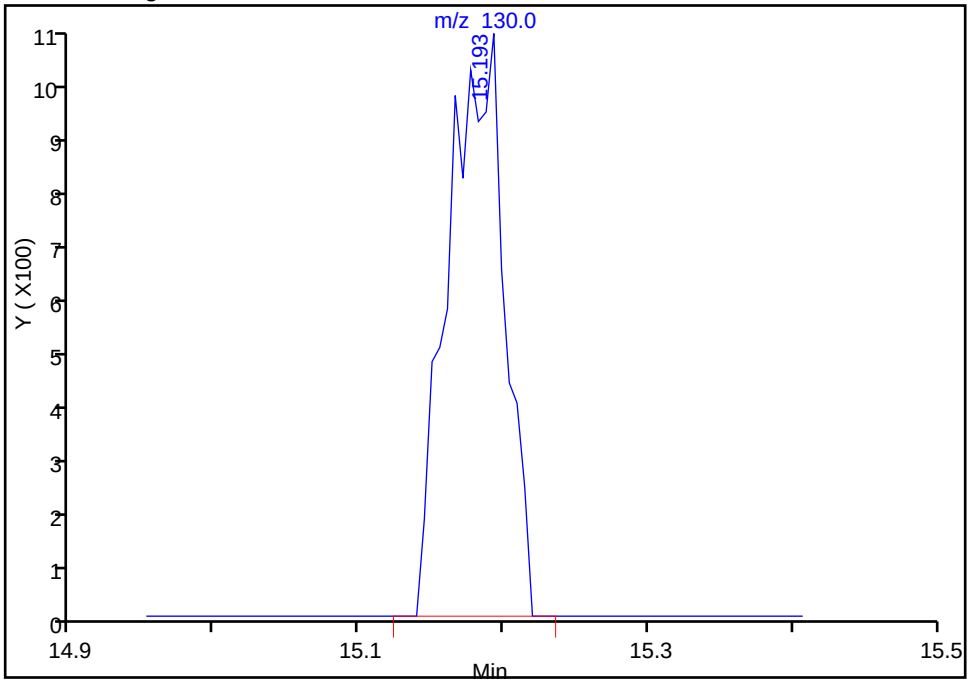
Processing Integration Results

RT: 15.19
Response: 1516
Amount: 0.015484



Manual Integration Results

RT: 15.19
Response: 2989
Amount: 0.035430



Reviewer: lyonsb, 31-Oct-2014 06:53:16
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

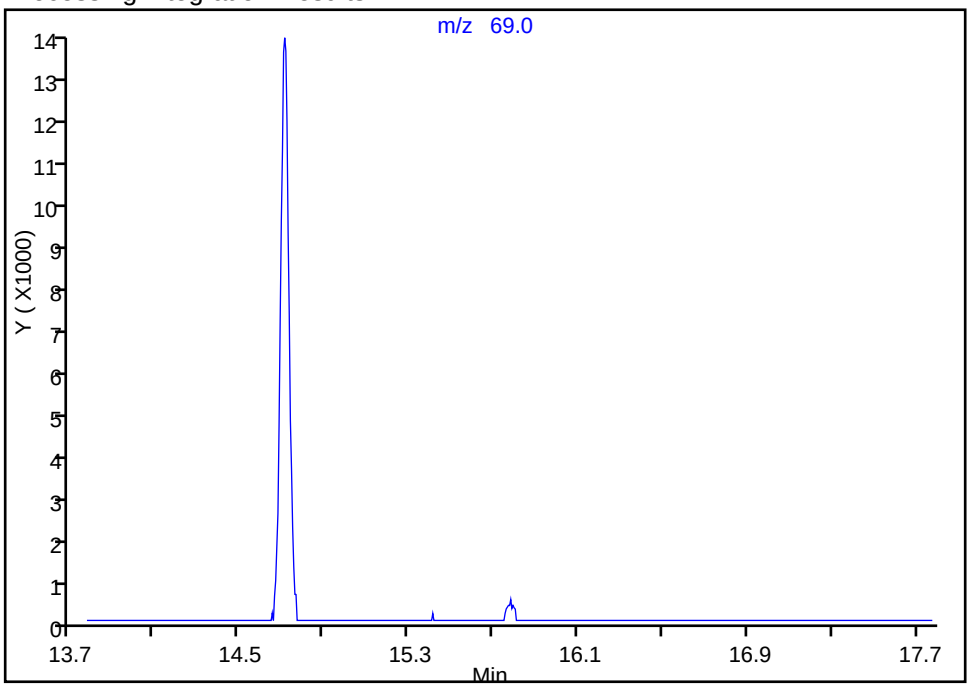
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_004.d				
Injection Date:	30-Oct-2014 13:30:30	Instrument ID:	CHW.i		
Lims ID:	IC				
Client ID:					
Operator ID:	BPL	ALS Bottle#:	2	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

59 Methyl methacrylate, CAS: 80-62-6

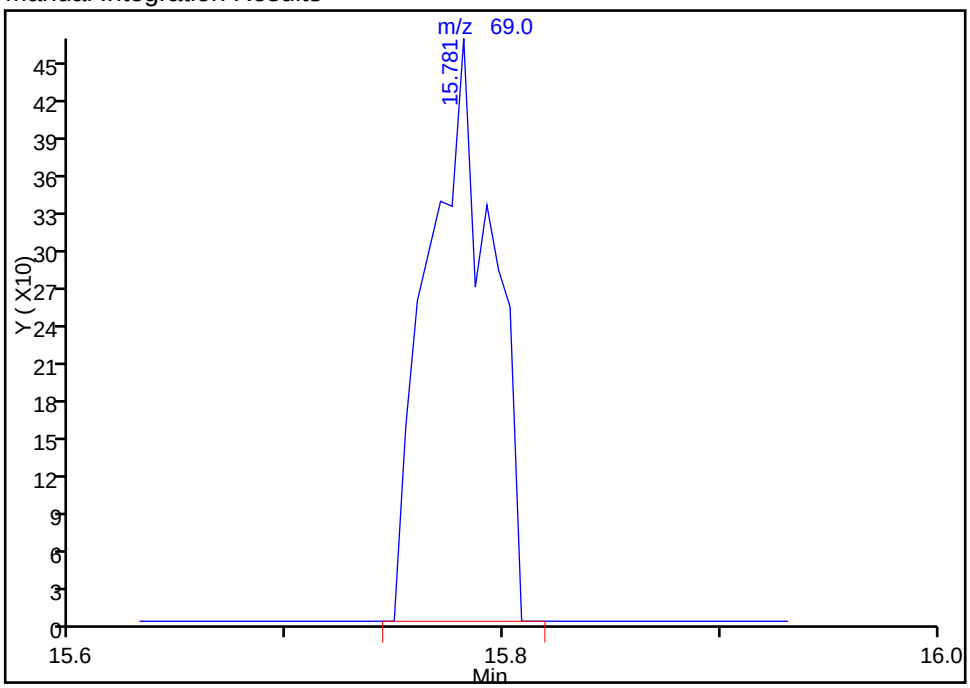
Not Detected
Expected RT: 15.78

Processing Integration Results



Manual Integration Results

RT: 15.78
Response: 961
Amount: 0.021471



Reviewer: lyonsb, 31-Oct-2014 06:53:16
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

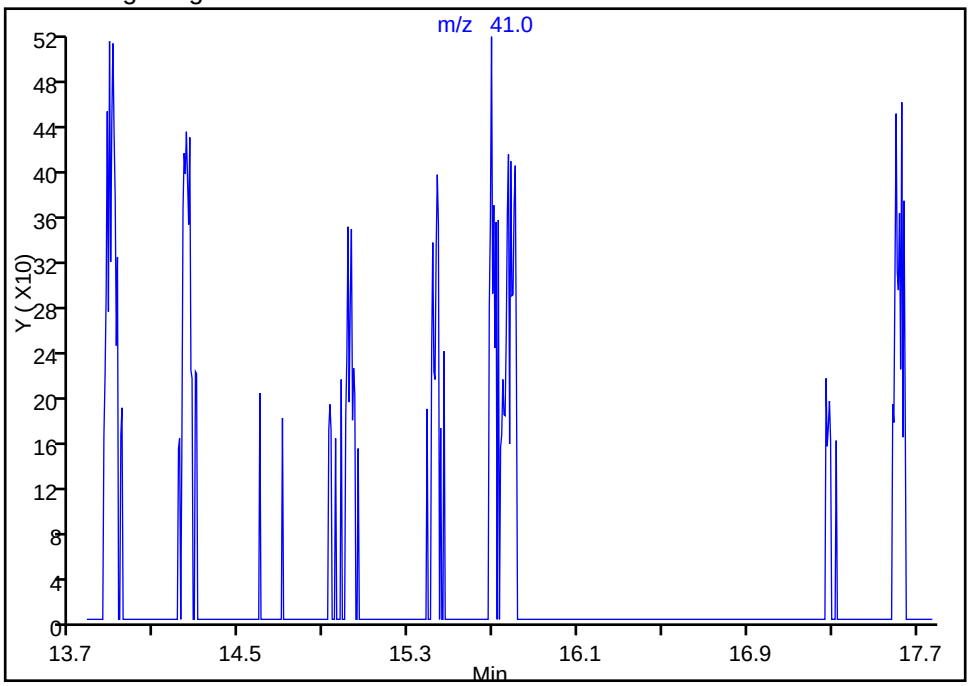
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_004.d				
Injection Date:	30-Oct-2014 13:30:30	Instrument ID:	CHW.i		
Lims ID:	IC				
Client ID:					
Operator ID:	BPL	ALS Bottle#:	2	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

59 Methyl methacrylate, CAS: 80-62-6

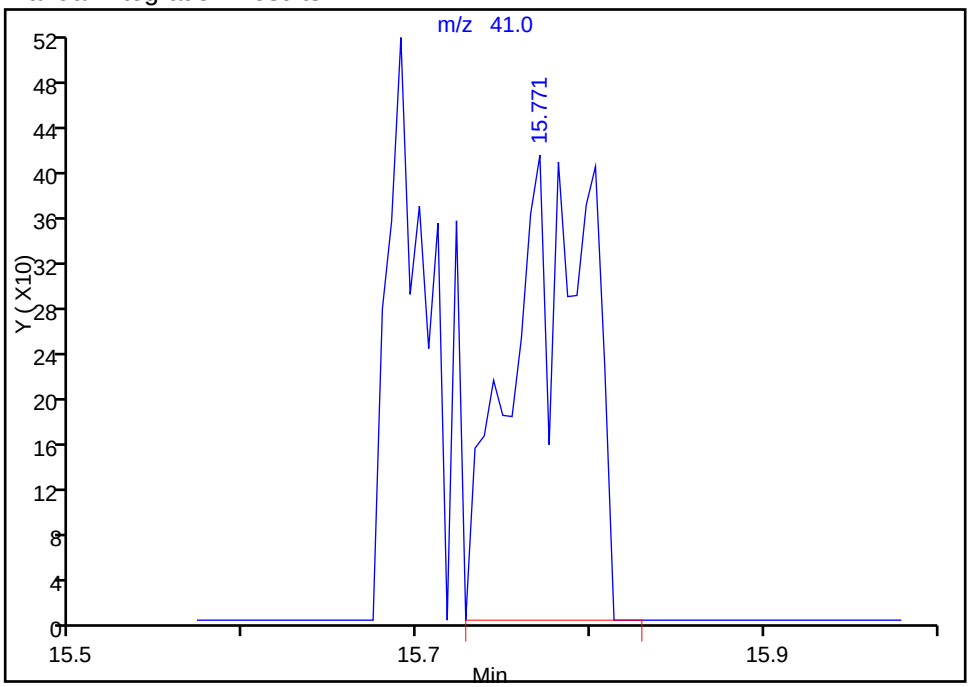
Not Detected
Expected RT: 15.78

Processing Integration Results



Manual Integration Results

RT: 15.77
Response: 1294
Amount: 0.021471



Reviewer: lyonsb, 31-Oct-2014 06:53:16
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

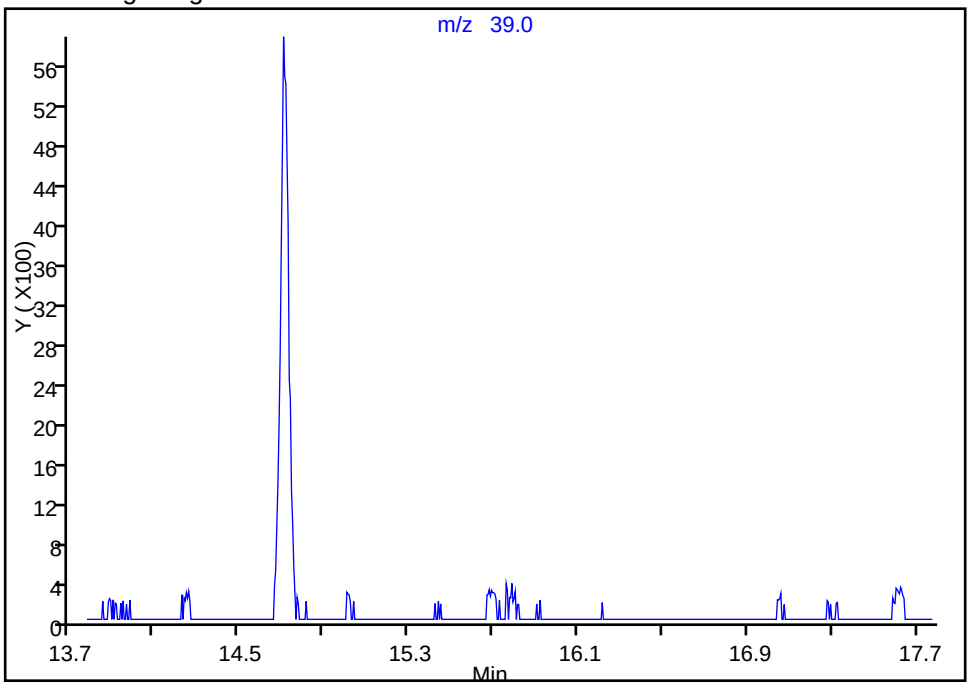
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_004.d				
Injection Date:	30-Oct-2014 13:30:30	Instrument ID:	CHW.i		
Lims ID:	IC				
Client ID:					
Operator ID:	BPL	ALS Bottle#:	2	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

59 Methyl methacrylate, CAS: 80-62-6

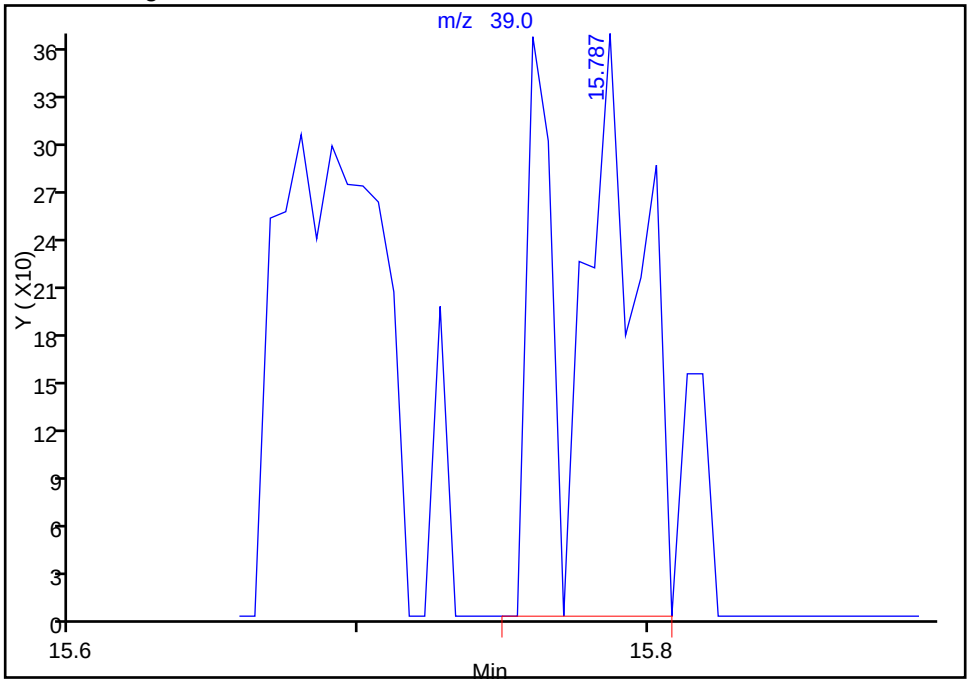
Not Detected
Expected RT: 15.78

Processing Integration Results



Manual Integration Results

RT: 15.79
Response: 682
Amount: 0.021471



Reviewer: lyonsb, 31-Oct-2014 06:53:16
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

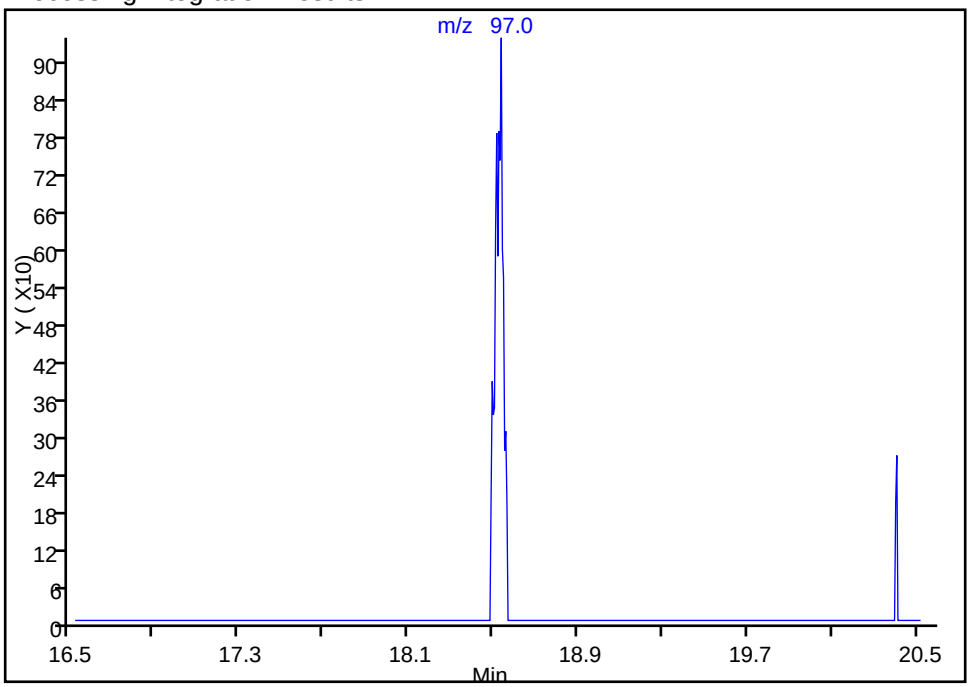
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_004.d				
Injection Date:	30-Oct-2014 13:30:30	Instrument ID:	CHW.i		
Lims ID:	IC				
Client ID:					
Operator ID:	BPL	ALS Bottle#:	2	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

71 1,1,2-Trichloroethane, CAS: 79-00-5

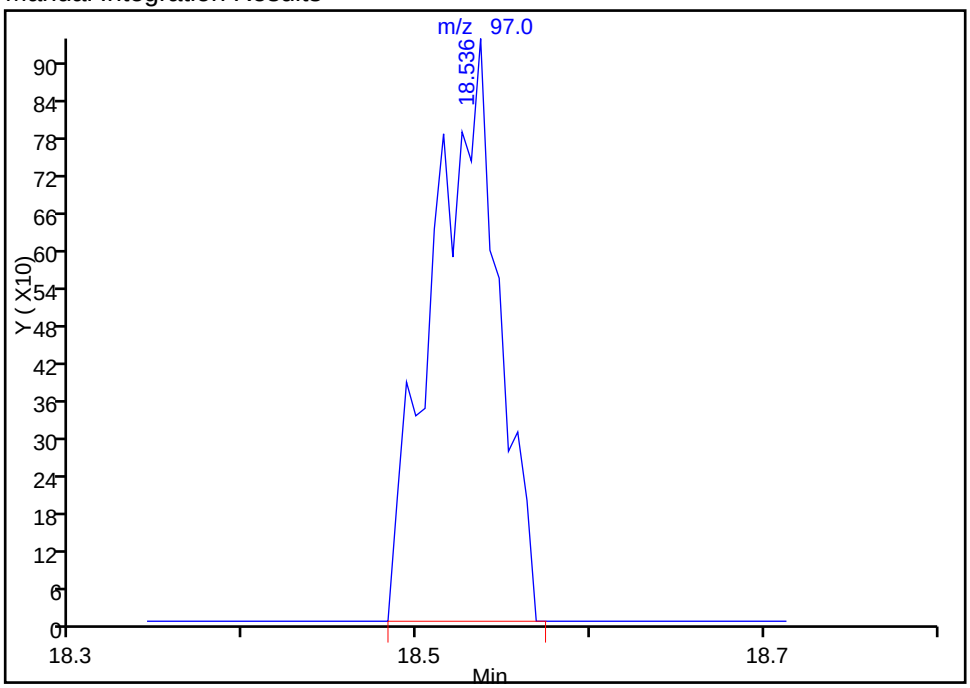
Not Detected
Expected RT: 18.52

Processing Integration Results



Manual Integration Results

RT: 18.54
Response: 2449
Amount: 0.038261



Reviewer: lyonsb, 31-Oct-2014 06:53:16
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

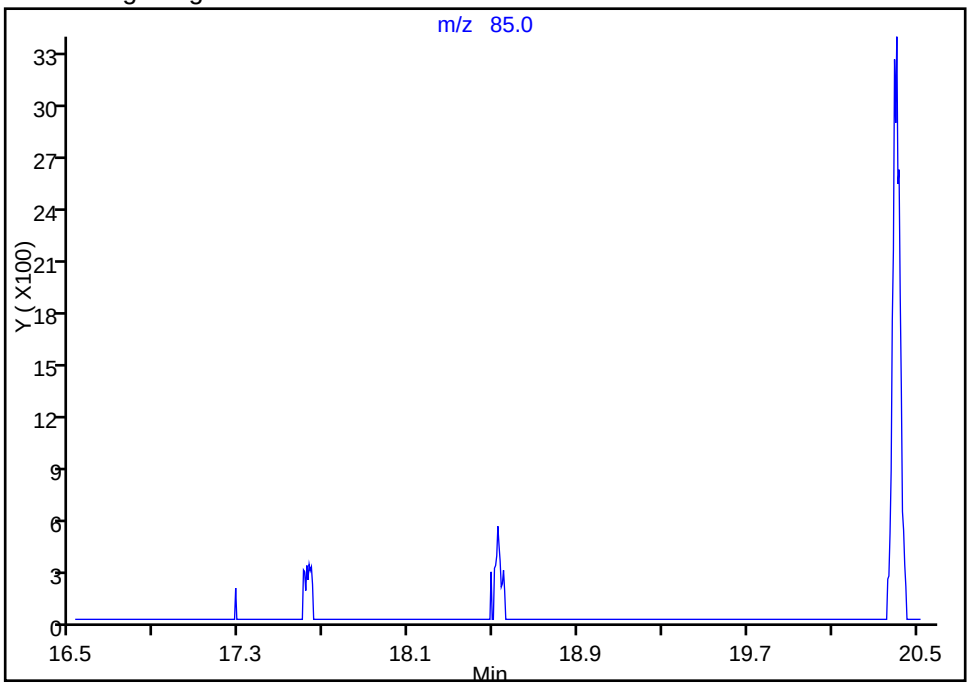
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_004.d				
Injection Date:	30-Oct-2014 13:30:30	Instrument ID:	CHW.i		
Lims ID:	IC				
Client ID:					
Operator ID:	BPL	ALS Bottle#:	2	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

71 1,1,2-Trichloroethane, CAS: 79-00-5

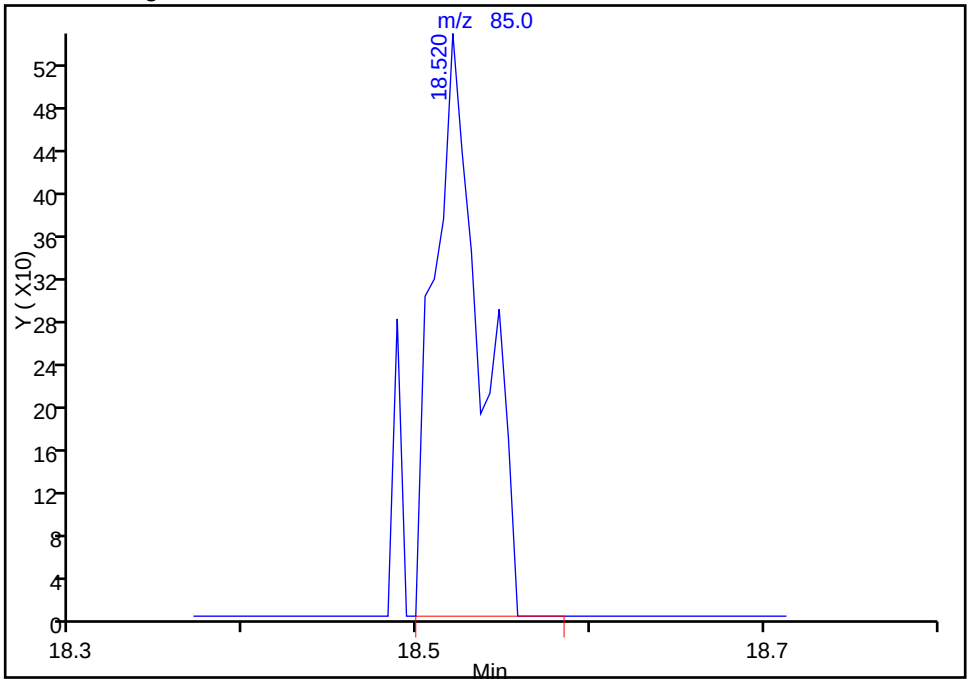
Not Detected
Expected RT: 18.52

Processing Integration Results



Manual Integration Results

RT: 18.52
Response: 1006
Amount: 0.038261



Reviewer: lyonsb, 31-Oct-2014 06:53:16
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

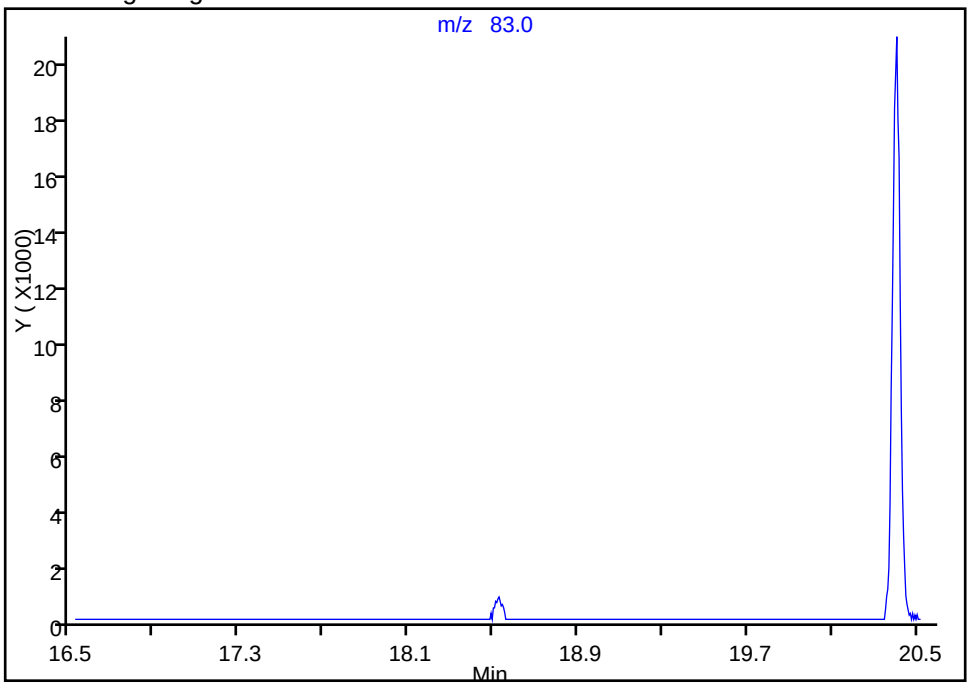
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_004.d				
Injection Date:	30-Oct-2014 13:30:30	Instrument ID:	CHW.i		
Lims ID:	IC				
Client ID:					
Operator ID:	BPL	ALS Bottle#:	2	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

71 1,1,2-Trichloroethane, CAS: 79-00-5

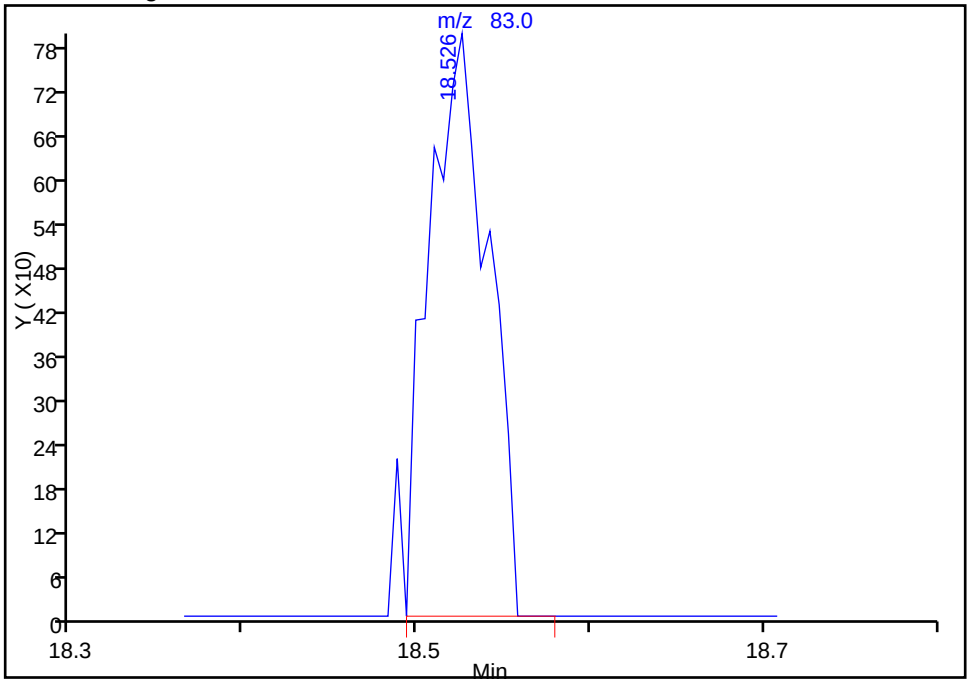
Not Detected
Expected RT: 18.52

Processing Integration Results



Manual Integration Results

RT: 18.53
Response: 1898
Amount: 0.038261



Reviewer: lyonsb, 31-Oct-2014 06:53:16
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_005.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 30-Oct-2014 14:20:30 ALS Bottle#: 2 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010272-005
Misc. Info.: IC
Operator ID: BPL Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 31-Oct-2014 08:17:48 Calib Date: 30-Oct-2014 19:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: lyonsb Date: 31-Oct-2014 06:55:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.397	4.376	0.021	94	9270	0.2004	0.3366	
2 Dichlorodifluoromethane	85	4.488	4.483	0.005	99	27818	0.2004	0.2241	
6 Chlorodifluoromethane	51	4.552	4.553	-0.001	96	14505	0.2004	0.2536	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.841	4.831	0.010	89	27158	0.2004	0.2164	
8 Chloromethane	50	5.034	5.023	0.011	98	8979	0.2004	0.2701	
9 Butane	43	5.301	5.286	0.015	88	13201	0.2004	0.2590	M
10 Vinyl chloride	62	5.349	5.344	0.005	96	9260	0.2004	0.2141	
11 Butadiene	54	5.456	5.440	0.016	93	5871	0.2004	0.2096	
12 Bromomethane	94	6.307	6.307	0.000	99	11202	0.2004	0.2389	
13 BFB									
14 Chloroethane	64	6.601	6.585	0.016	96	4903	0.2004	0.2083	
15 2-Methylbutane	43	6.687	6.682	0.005	89	8442	0.2004	0.2234	
16 Vinyl bromide	106	7.072	7.067	0.005	92	9674	0.2004	0.1854	
17 Trichlorofluoromethane	101	7.184	7.179	0.005	98	25644	0.2004	0.2076	
18 Pentane	43	7.345	7.340	0.005	93	10946	0.2004	0.2004	
19 Ethanol	45	7.800	7.800	0.000	98	8710	0.4009	0.6088	M
21 Ethyl ether	59	7.939	7.928	0.011	94	3852	0.2004	0.1569	
22 Acrolein	56	8.410	8.388	0.022	29	3181	0.2004	0.3019	
23 1,1,2-Trichloro-1,2,2-trif	101	8.420	8.426	-0.006	97	20566	0.2004	0.2058	
24 1,1-Dichloroethene	96	8.500	8.500	0.000	87	8480	0.2004	0.1794	
25 Acetone	43	8.747	8.725	0.022	89	56721	0.2004	1.12	
26 Carbon disulfide	76	8.982	8.987	-0.005	99	27562	0.2004	0.2319	
27 Isopropyl alcohol	45	9.025	9.009	0.016	91	12212	0.2004	0.3024	
29 3-Chloro-1-propene	41	9.388	9.383	0.005	91	6452	0.2004	0.1754	M
30 Acetonitrile	41	9.522	9.506	0.016	97	5890	0.2004	0.2797	
31 Methylene Chloride	49	9.709	9.715	-0.006	85	10815	0.2004	0.2900	
32 2-Methyl-2-propanol	59	9.891	9.875	0.016	94	8911	0.2004	0.1416	
33 Methyl tert-butyl ether	73	10.143	10.132	0.011	97	15620	0.2004	0.1446	
S 41 1,2-Dichloroethene, Total	61				0		0.4009	0.3485	
34 trans-1,2-Dichloroethene	61	10.212	10.212	0.000	82	9556	0.2004	0.1846	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Acrylonitrile	53	10.362	10.351	0.011	99	4292	0.2004	0.1745	
36 Hexane	57	10.624	10.624	0.000	86	8404	0.2004	0.1586	
37 1,1-Dichloroethane	63	11.175	11.175	0.000	99	13954	0.2004	0.1975	
38 Vinyl acetate	43	11.218	11.207	0.011	96	9486	0.2004	0.1228	
39 cis-1,2-Dichloroethene	96	12.347	12.347	0.000	74	8426	0.2004	0.1638	
40 2-Butanone (MEK)	72	12.368	12.358	0.010	99	6746	0.2004	0.2900	
42 Ethyl acetate	88	12.390	12.379	0.011	92	387	0.2004	0.0931	
44 Tetrahydrofuran	42	12.834	12.823	0.011	43	5646	0.2004	0.1622	
* 43 Chlorobromomethane	128	12.828	12.829	-0.001	74	419482	10.0	10.0	
45 Chloroform	83	12.941	12.941	0.000	98	18636	0.2004	0.2003	
46 Cyclohexane	84	13.235	13.240	-0.005	70	8795	0.2004	0.1413	M
47 1,1,1-Trichloroethane	97	13.240	13.246	-0.006	97	18650	0.2004	0.1880	M
48 Carbon tetrachloride	117	13.502	13.502	0.000	97	19847	0.2004	0.1833	
51 Isooctane	57	13.888	13.893	-0.005	98	24198	0.2004	0.1398	
50 Benzene	78	13.952	13.952	0.000	94	27334	0.2004	0.1877	
52 1,2-Dichloroethane	62	14.112	14.112	0.000	95	9435	0.2004	0.1873	
53 n-Heptane	43	14.246	14.252	-0.006	82	8654	0.2004	0.1561	M
* 54 1,4-Difluorobenzene	114	14.711	14.712	-0.001	92	1958406	10.0	10.0	
A 57 GRO	1	14.746	(6.672-22.832)		0	3449493	0.2004	0	
55 n-Butanol	56	15.006	14.990	0.016	82	5309	0.2004	0.2660	
56 Trichloroethene	95	15.188	15.177	0.011	92	11717	0.2004	0.1777	
58 1,2-Dichloropropane	63	15.706	15.696	0.010	92	8977	0.2004	0.1885	
59 Methyl methacrylate	69	15.781	15.776	0.005	86	5099	0.2004	0.1095	
60 1,4-Dioxane	88	15.888	15.872	0.016	81	3670	0.2004	0.1472	
61 Dibromomethane	174	15.953	15.947	0.006	89	14945	0.2004	0.1804	
62 Dichlorobromomethane	83	16.188	16.188	0.000	98	18753	0.2004	0.1837	
A 63 TVOC as Toluene	92	16.605	(4.366-28.834)		0	5636381	0.2004	47.5	
64 cis-1,3-Dichloropropene	75	17.049	17.049	0.000	88	9093	0.2004	0.1331	
65 4-Methyl-2-pentanone (MIBK	43	17.285	17.279	0.006	94	9557	0.2004	0.1307	
A 68 C8 Range	1	17.622	(17.566-17.666)		0	114663	NC	NC	
69 n-Octane	43	17.622	17.616	0.006	68	10354	0.2004	0.1440	
A 67 Toluene Range	92	17.622	(17.577-17.657)		0	114663	0.2004	1.06	
66 Toluene	92	17.627	17.617	0.010	94	17820	0.2004	0.1654	
70 trans-1,3-Dichloropropene	75	18.157	18.157	0.000	93	10025	0.2004	0.1417	
71 1,1,2-Trichloroethane	83	18.520	18.520	0.000	91	9802	0.2004	0.1871	M
72 Tetrachloroethene	166	18.660	18.665	-0.005	95	19692	0.2004	0.1697	
73 2-Hexanone	43	18.900	18.906	-0.006	97	8347	0.2004	0.1228	
74 Chlorodibromomethane	129	19.285	19.280	0.005	97	20875	0.2004	0.1626	
75 Ethylene Dibromide	107	19.564	19.564	0.000	99	15983	0.2004	0.1567	
S 82 Xylenes, Total	106				0		0.6013	0.4178	
* 76 Chlorobenzene-d5	117	20.409	20.409	0.000	82	1778047	10.0	10.0	
77 Chlorobenzene	112	20.462	20.462	0.000	93	32944	0.2004	0.1913	
78 Ethylbenzene	91	20.575	20.586	-0.011	96	35600	0.2004	0.1558	
79 n-Nonane	57	20.634	20.634	0.000	84	11934	0.2004	0.1442	
80 m-Xylene & p-Xylene	106	20.794	20.789	0.005	0	28480	0.4009	0.2903	
83 o-Xylene	106	21.506	21.511	-0.005	95	12339	0.2004	0.1276	
84 Styrene	104	21.548	21.548	0.000	96	16469	0.2004	0.1134	M
85 Bromoform	173	21.928	21.934	-0.006	98	20427	0.2004	0.1489	
86 Isopropylbenzene	105	22.078	22.073	0.005	95	33890	0.2004	0.1271	
$ 87 4-Bromofluorobenzene	95	22.415	22.415	0.000	98	1111900	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.640	22.640	0.000	95	25842	0.2004	0.1854	
90 N-Propylbenzene	91	22.709	22.710	-0.001	99	47770	0.2004	0.1530	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.741	22.741	0.000	94	20766	0.2004	0.2023	
93 n-Decane	57	22.827	22.822	0.005	86	14692	0.2004	0.1279	
91 4-Ethyltoluene	105	22.875	22.875	0.000	97	42249	0.2004	0.1482	
92 2-Chlorotoluene	91	22.913	22.913	0.000	94	38256	0.2004	0.1640	
94 1,3,5-Trimethylbenzene	105	22.971	22.971	0.000	95	34381	0.2004	0.1438	
95 Alpha Methyl Styrene	118	23.324	23.314	0.010	91	12997	0.2004	0.1058	
96 tert-Butylbenzene	119	23.448	23.448	0.000	97	32742	0.2004	0.1346	
97 1,2,4-Trimethylbenzene	105	23.533	23.538	-0.005	97	31200	0.2004	0.1303	
98 sec-Butylbenzene	105	23.779	23.769	0.010	99	48996	0.2004	0.1412	
99 4-Isopropyltoluene	119	23.972	23.977	-0.005	97	36804	0.2004	0.1222	
100 1,3-Dichlorobenzene	146	24.052	24.047	0.005	99	33288	0.2004	0.1650	
101 1,4-Dichlorobenzene	146	24.196	24.191	0.005	98	29018	0.2004	0.1496	
104 Undecane	57	24.592	24.587	0.005	89	13114	0.2004	0.1069	
102 Benzyl chloride	91	24.405	24.614	-0.209	99	20198	0.2004	0.1107	
103 n-Butylbenzene	91	24.614	24.614	0.000	97	38603	0.2004	0.1502	
105 1,2-Dichlorobenzene	146	24.796	24.801	-0.005	97	30886	0.2004	0.1598	
106 Dodecane	57	26.390	26.379	0.011	87	6235	0.2004	0.0613	
107 1,2,4-Trichlorobenzene	180	27.674	27.674	0.000	93	12704	0.2004	0.0869	
108 Hexachlorobutadiene	225	27.877	27.877	0.000	95	22749	0.2004	0.1720	
109 Naphthalene	128	28.262	28.257	0.005	98	13330	0.2004	0.0488	M
110 1,2,3-Trichlorobenzene	180	28.824	28.824	0.000	97	13923	0.2004	0.1153	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated

Reagents:

ATTO15CAL1w_00114	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

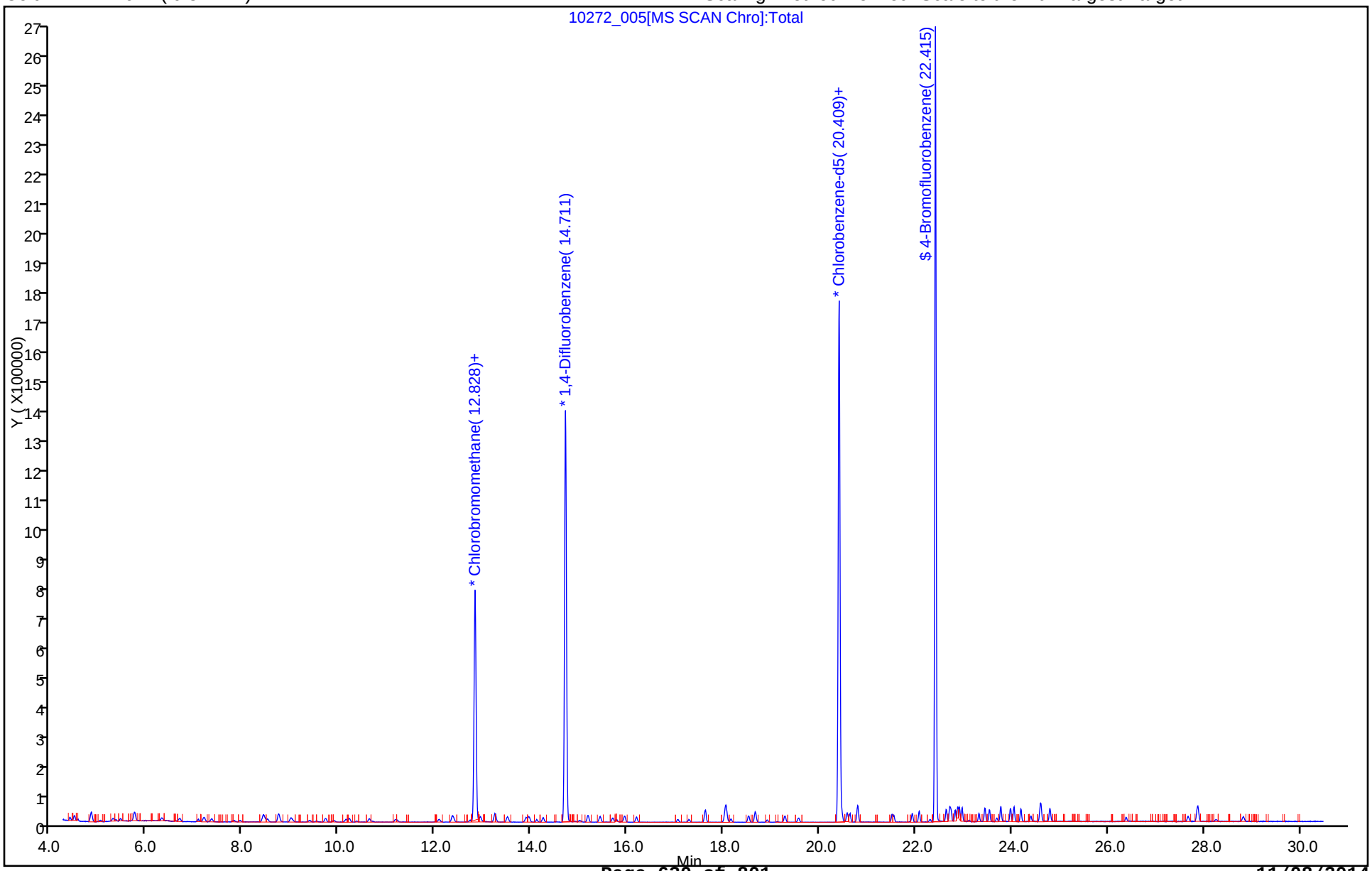
Report Date: 31-Oct-2014 08:17:48 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_005.d

Injection Date:	30-Oct-2014 14:20:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	IC			Worklist Smp#:	5
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

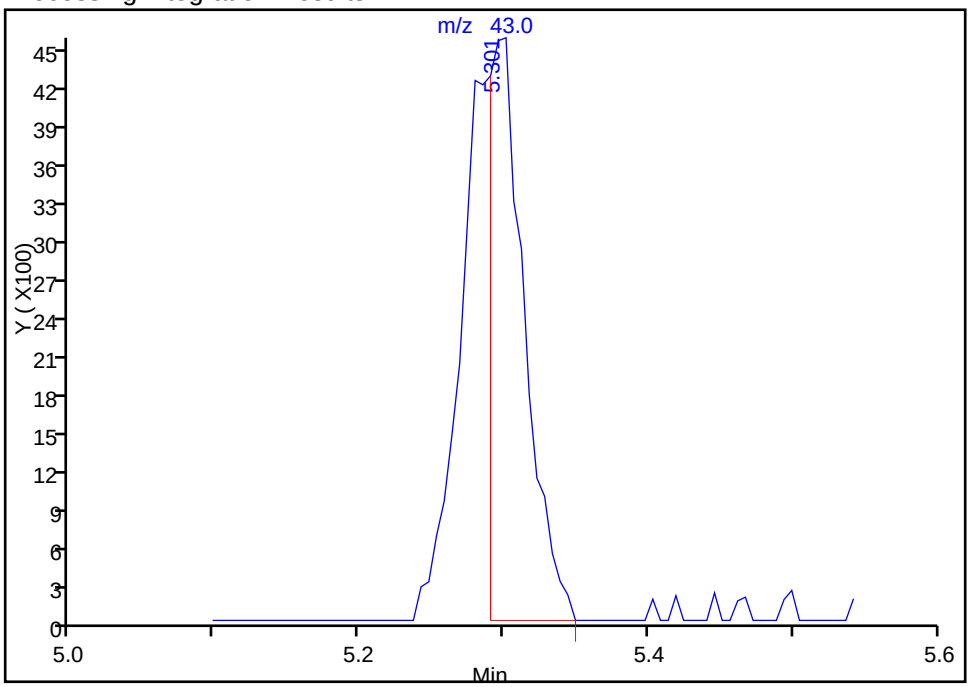
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_005.d				
Injection Date:	30-Oct-2014 14:20:30	Instrument ID:	CHW.i		
Lims ID:	IC				
Client ID:					
Operator ID:	BPL	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8

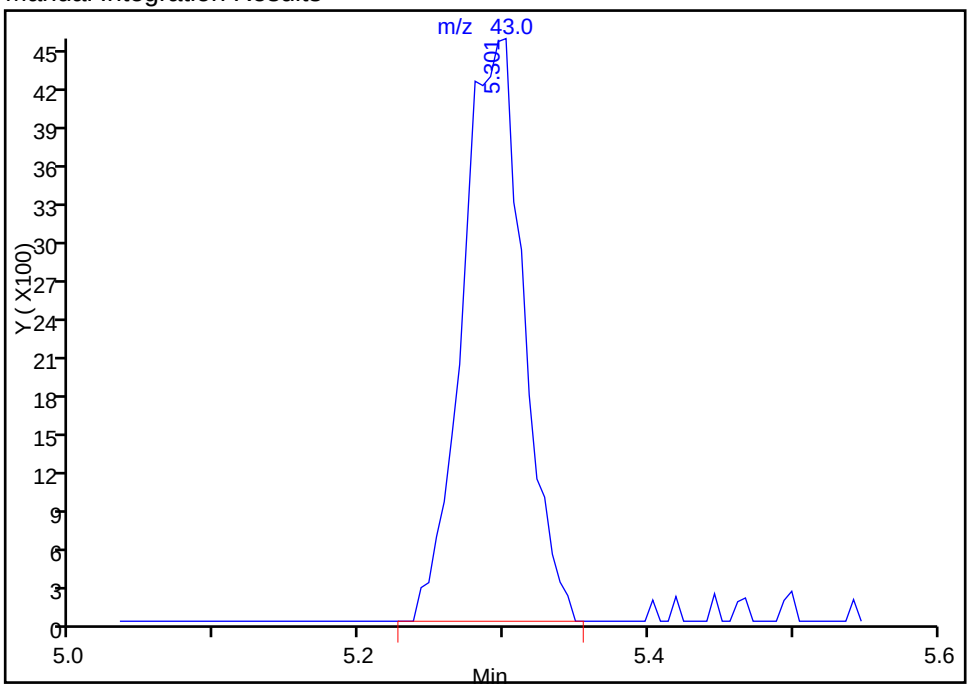
Processing Integration Results

RT: 5.30
Response: 7756
Amount: 0.149824



Manual Integration Results

RT: 5.30
Response: 13201
Amount: 0.258978



Reviewer: lyonsb, 31-Oct-2014 06:55:46
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

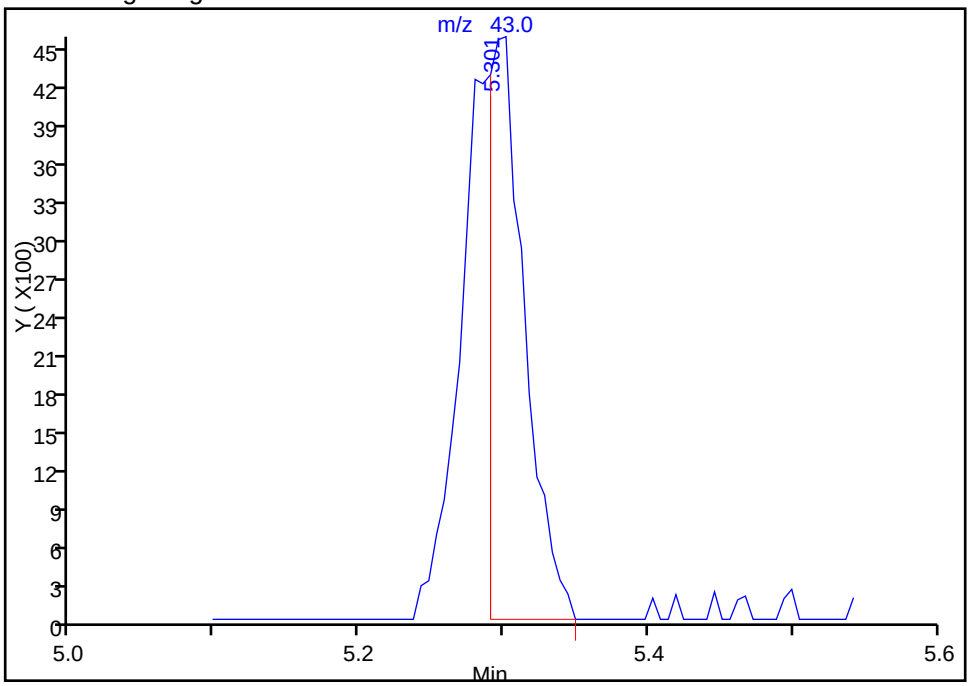
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_005.d
Injection Date: 30-Oct-2014 14:20:30 Instrument ID: CHW.i
Lims ID: IC
Client ID:
Operator ID: BPL ALS Bottle#: 2 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

9 Butane, CAS: 106-97-8

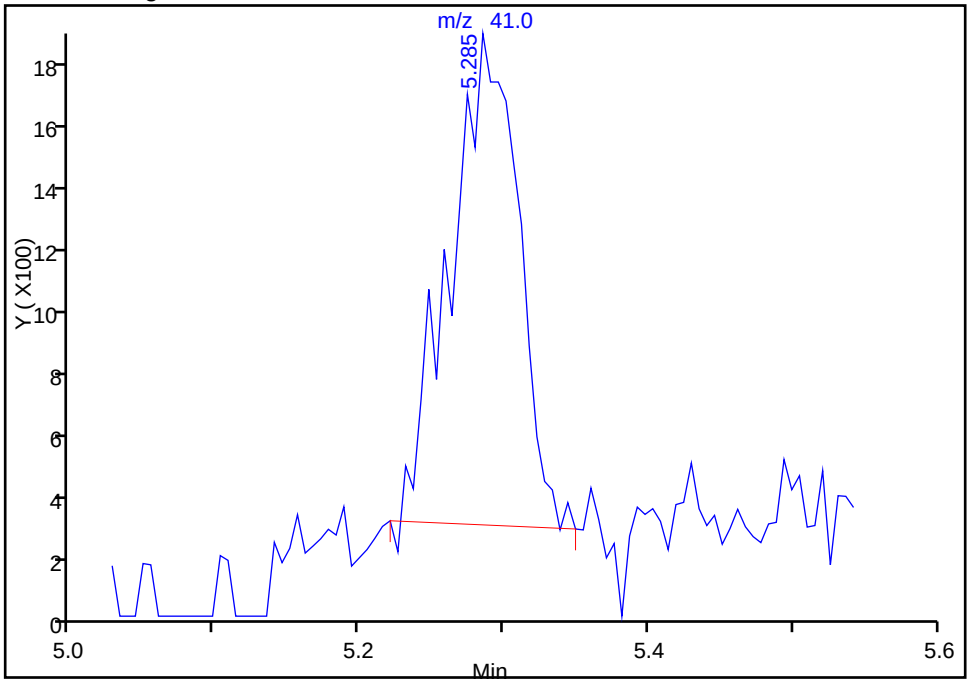
Processing Integration Results

RT: 5.29
Response: 0
Amount: 0.149824



Manual Integration Results

RT: 5.29
Response: 5073
Amount: 0.258978



Reviewer: lyonsb, 31-Oct-2014 06:55:46
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

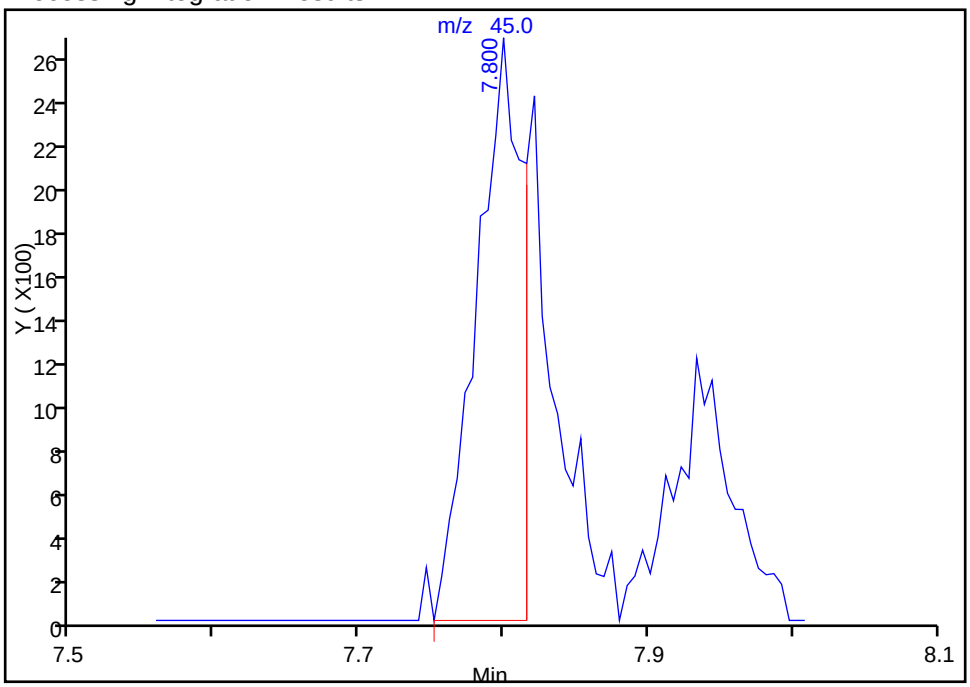
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_005.d				
Injection Date:	30-Oct-2014 14:20:30	Instrument ID:	CHW.i		
Lims ID:	IC				
Client ID:					
Operator ID:	BPL	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

19 Ethanol, CAS: 64-17-5

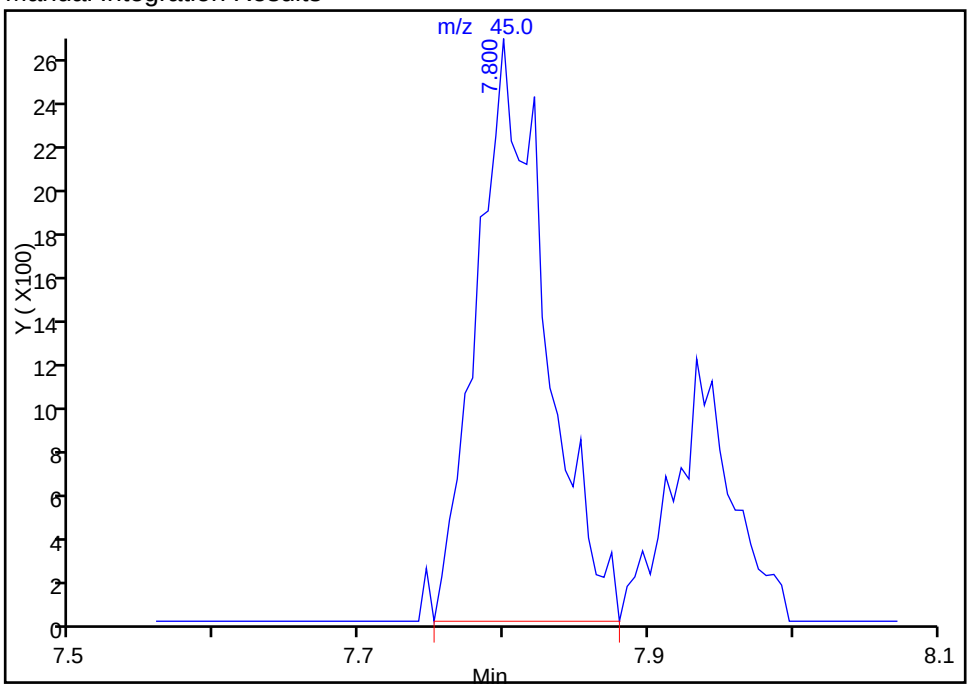
Processing Integration Results

RT: 7.80
Response: 5847
Amount: 0.379427



Manual Integration Results

RT: 7.80
Response: 8710
Amount: 0.608784



Reviewer: lyonsb, 31-Oct-2014 06:55:46
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

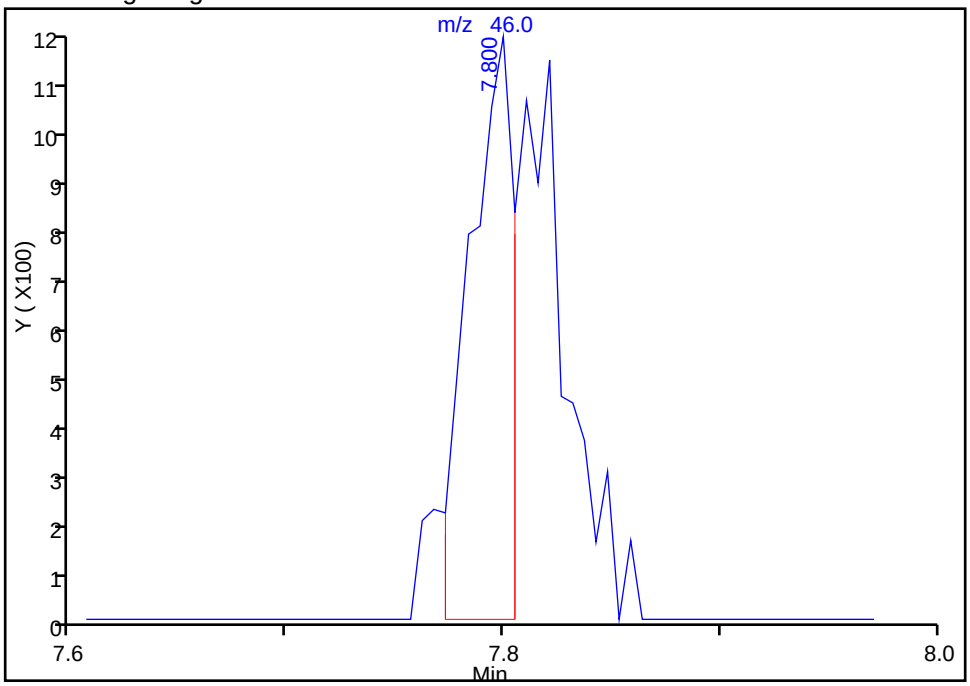
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_005.d
Injection Date: 30-Oct-2014 14:20:30 Instrument ID: CHW.i
Lims ID: IC
Client ID:
Operator ID: BPL ALS Bottle#: 2 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

19 Ethanol, CAS: 64-17-5

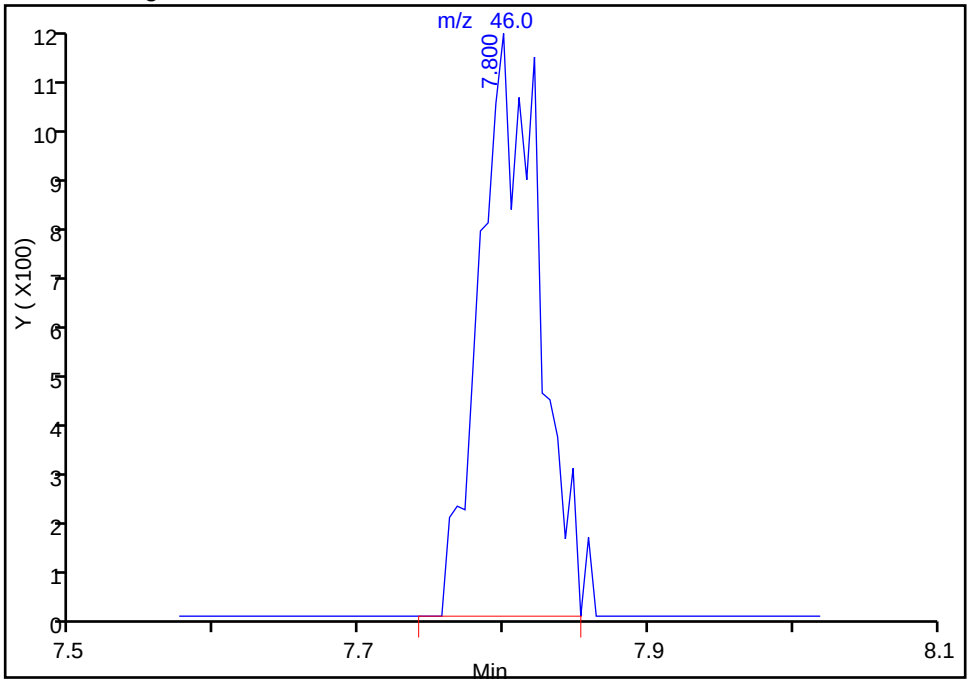
Processing Integration Results

RT: 7.80
Response: 1651
Amount: 0.379427



Manual Integration Results

RT: 7.80
Response: 3261
Amount: 0.608784



Reviewer: lyonsb, 31-Oct-2014 06:55:46
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

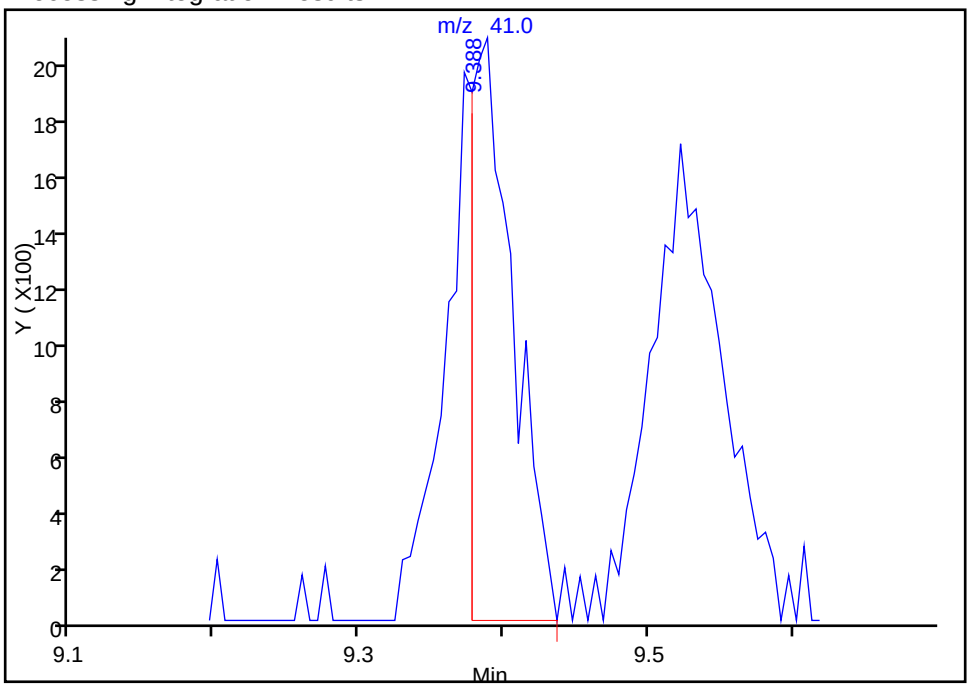
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_005.d				
Injection Date:	30-Oct-2014 14:20:30	Instrument ID:	CHW.i		
Lims ID:	IC				
Client ID:					
Operator ID:	BPL	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

29 3-Chloro-1-propene, CAS: 107-05-1

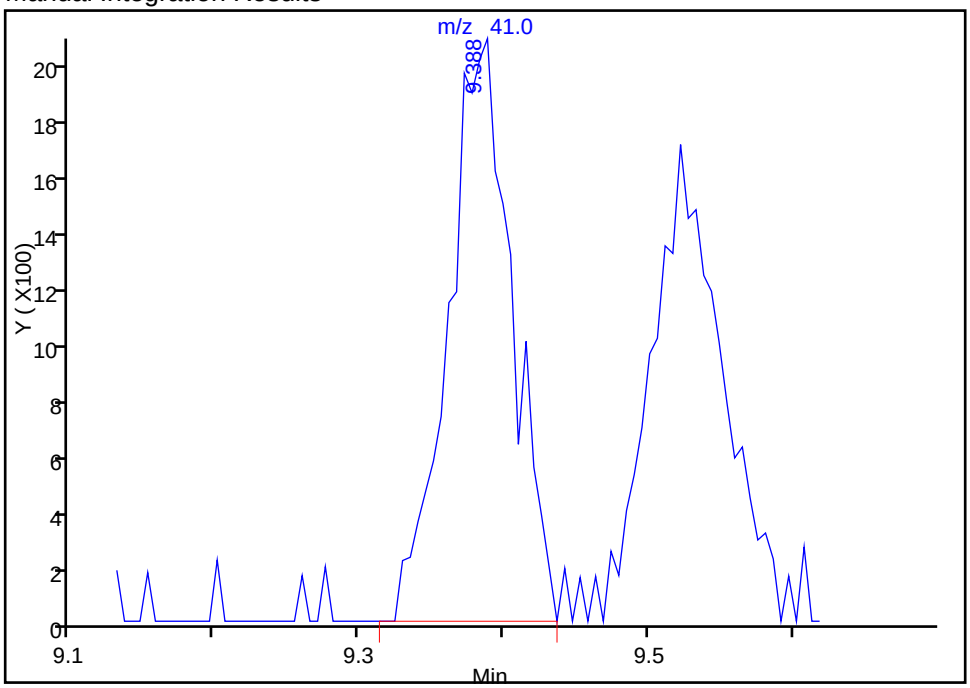
Processing Integration Results

RT: 9.39
Response: 4242
Amount: 0.118653



Manual Integration Results

RT: 9.39
Response: 6452
Amount: 0.175399



Reviewer: lyonsb, 31-Oct-2014 06:55:46
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

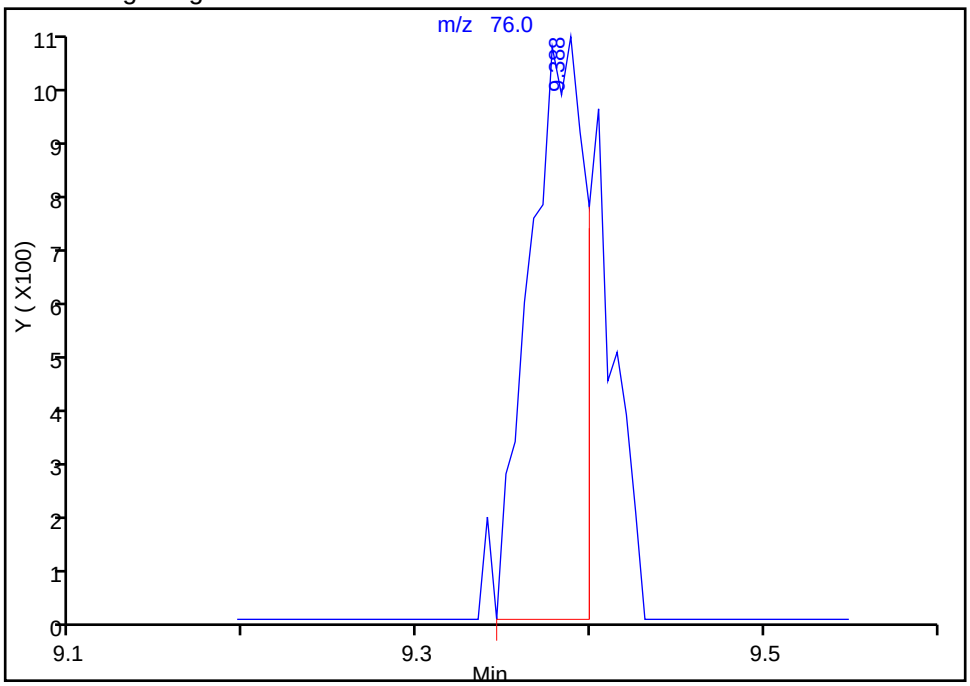
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_005.d
Injection Date: 30-Oct-2014 14:20:30 Instrument ID: CHW.i
Lims ID: IC
Client ID:
Operator ID: BPL ALS Bottle#: 2 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

29 3-Chloro-1-propene, CAS: 107-05-1

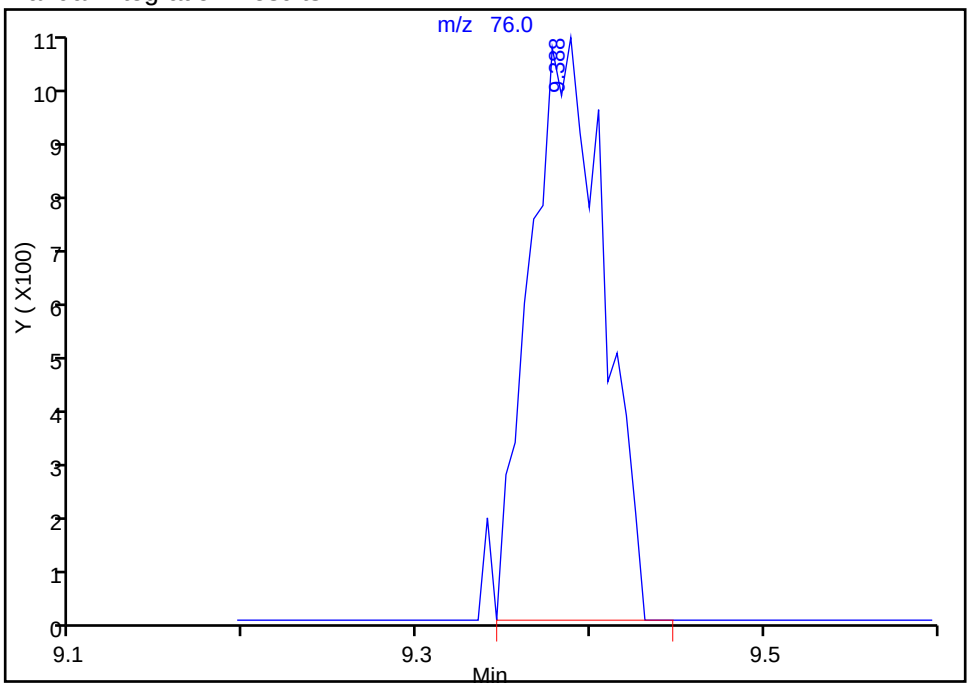
Processing Integration Results

RT: 9.39
Response: 2405
Amount: 0.118653



Manual Integration Results

RT: 9.39
Response: 3197
Amount: 0.175399



Reviewer: lyonsb, 31-Oct-2014 06:55:46
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

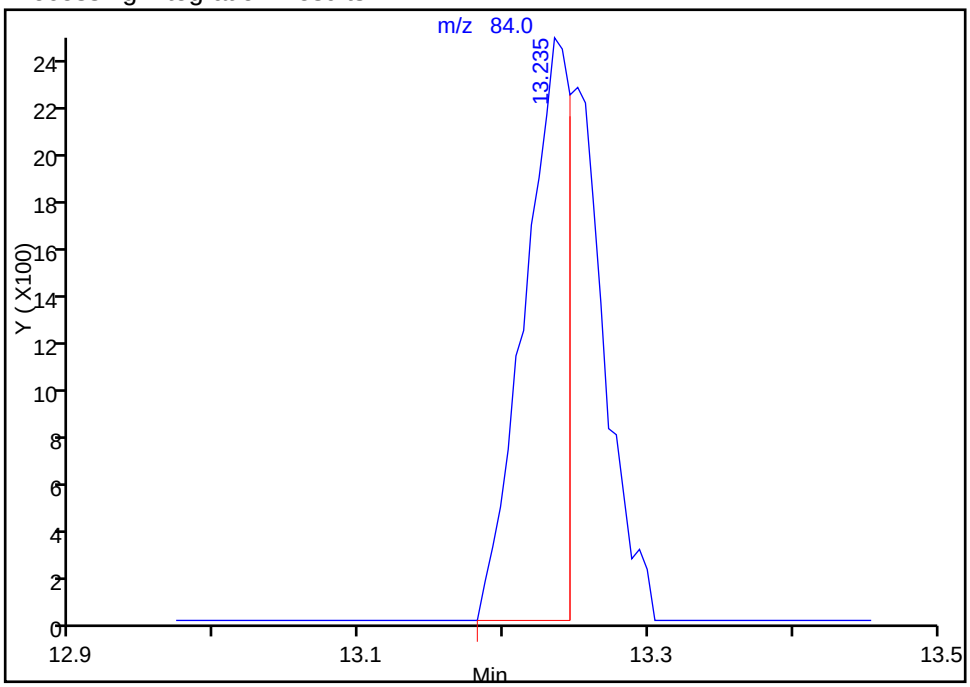
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_005.d				
Injection Date:	30-Oct-2014 14:20:30	Instrument ID:	CHW.i		
Lims ID:	IC				
Client ID:					
Operator ID:	BPL	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

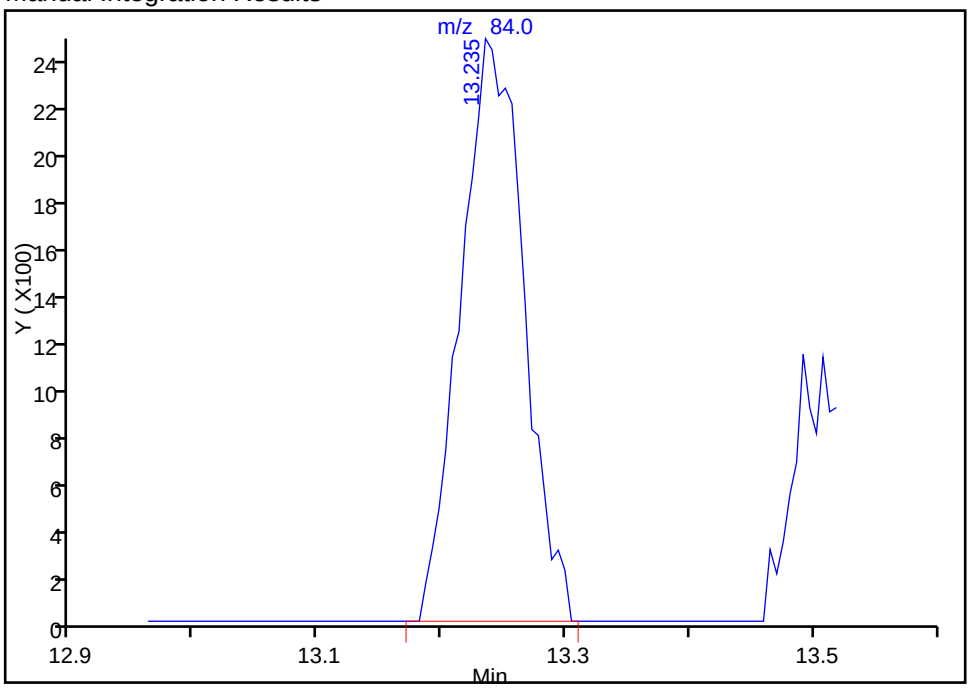
Processing Integration Results

RT: 13.23
Response: 5422
Amount: 0.089209



Manual Integration Results

RT: 13.23
Response: 8795
Amount: 0.141261



Reviewer: lyonsb, 31-Oct-2014 06:55:46
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

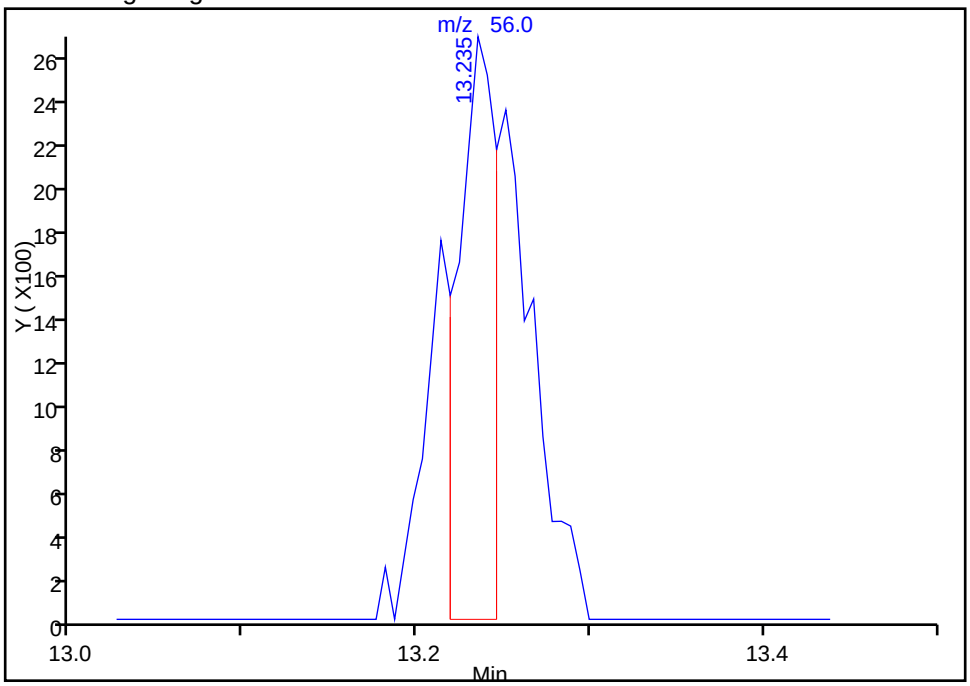
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_005.d
Injection Date: 30-Oct-2014 14:20:30 Instrument ID: CHW.i
Lims ID: IC
Client ID:
Operator ID: BPL ALS Bottle#: 2 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

46 Cyclohexane, CAS: 110-82-7

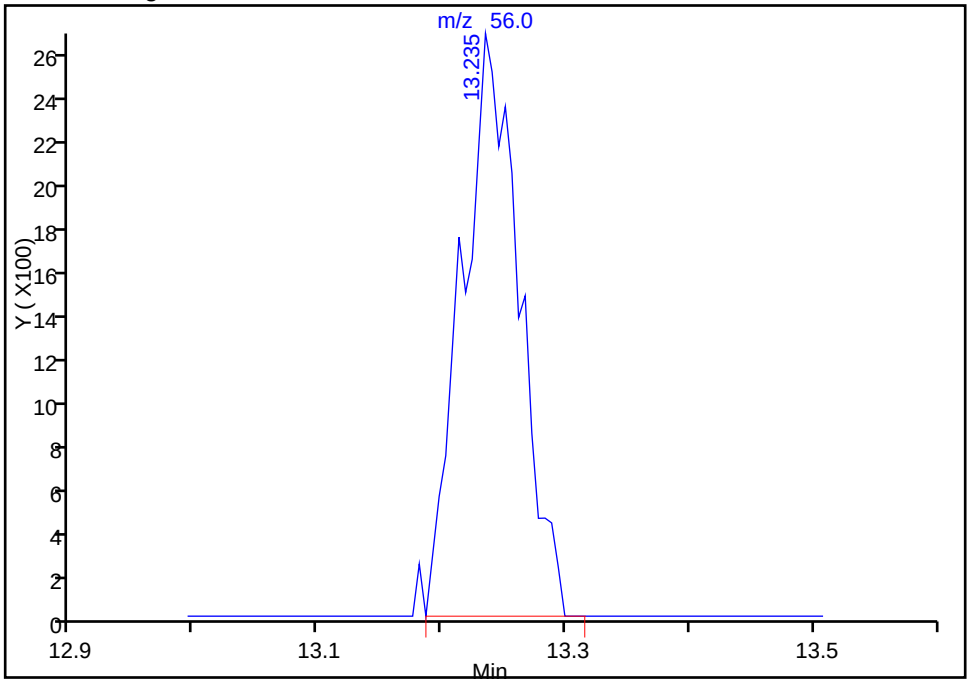
Processing Integration Results

RT: 13.23
Response: 4040
Amount: 0.089209



Manual Integration Results

RT: 13.23
Response: 8566
Amount: 0.141261



Reviewer: lyonsb, 31-Oct-2014 06:55:46
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

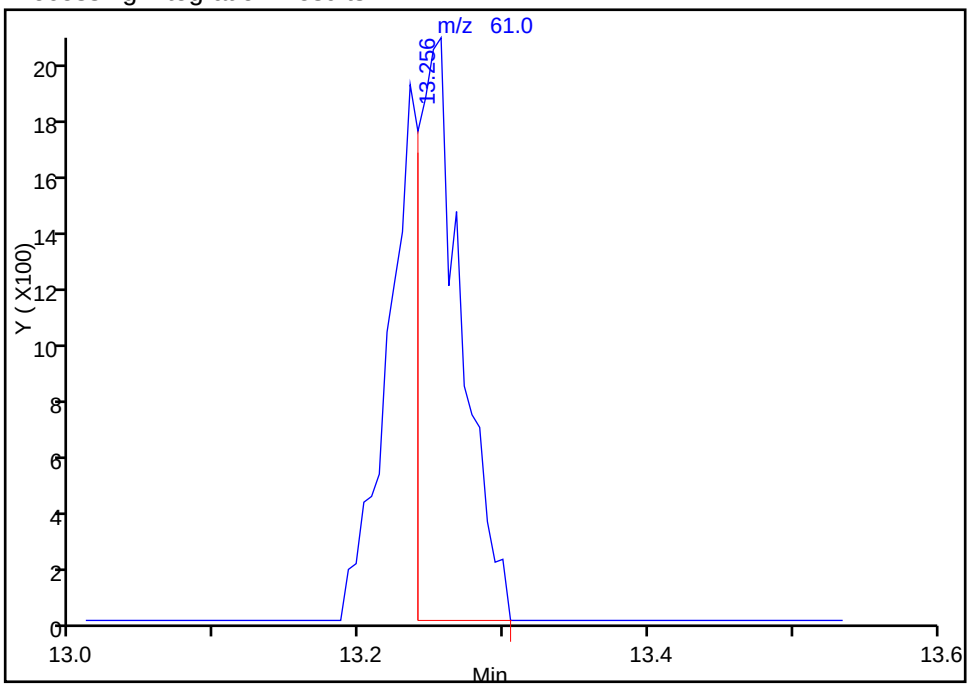
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_005.d				
Injection Date:	30-Oct-2014 14:20:30	Instrument ID:	CHW.i		
Lims ID:	IC				
Client ID:					
Operator ID:	BPL	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6

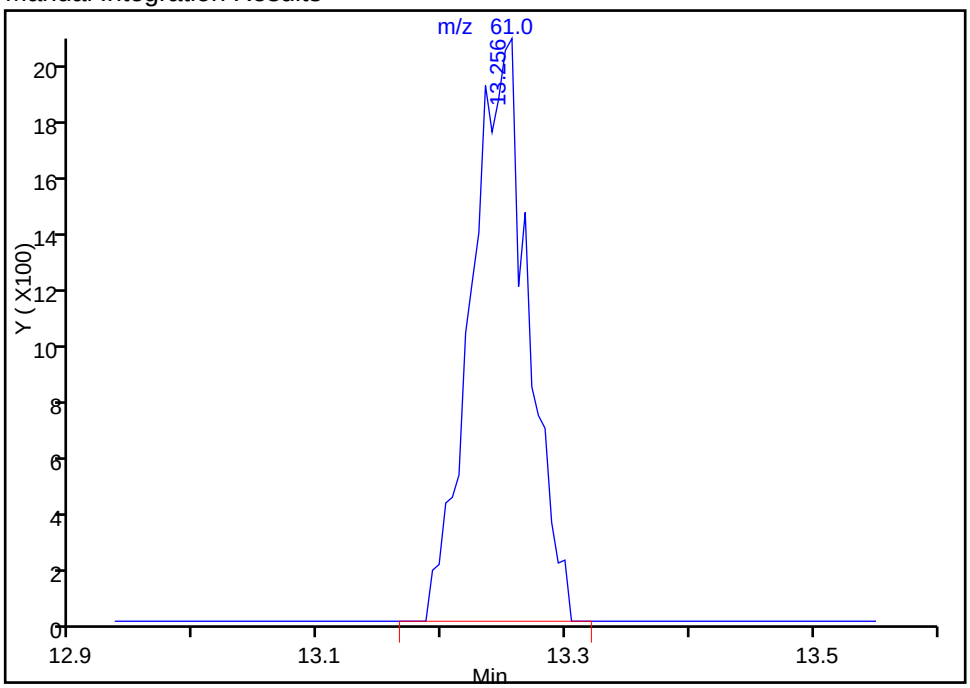
Processing Integration Results

RT: 13.26
Response: 4165
Amount: 0.185494



Manual Integration Results

RT: 13.26
Response: 6434
Amount: 0.188039



Reviewer: lyonsb, 31-Oct-2014 06:55:46
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

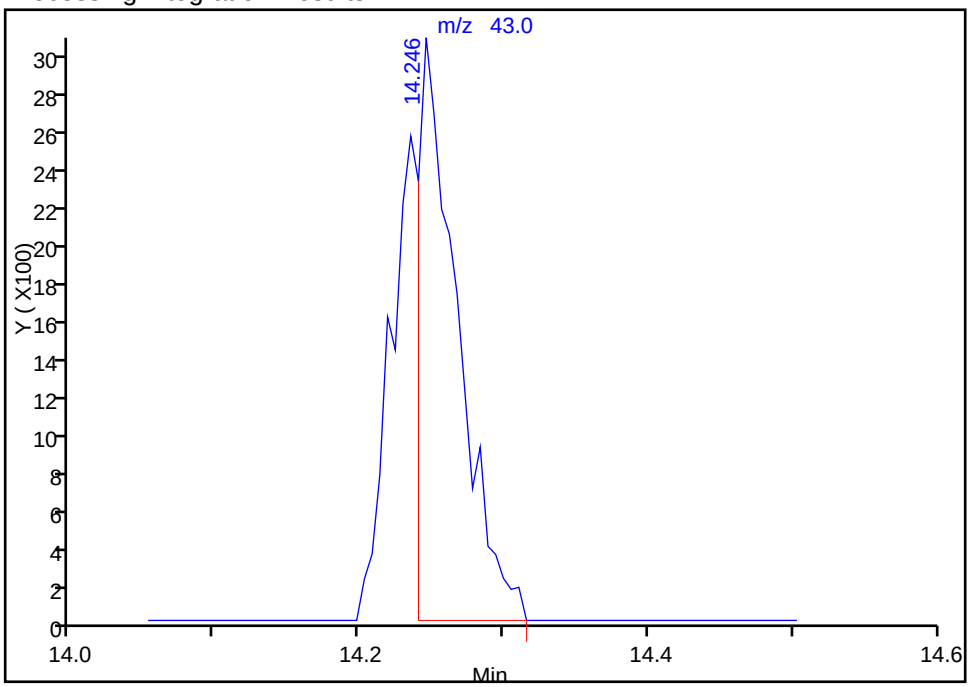
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_005.d				
Injection Date:	30-Oct-2014 14:20:30	Instrument ID:	CHW.i		
Lims ID:	IC				
Client ID:					
Operator ID:	BPL	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5

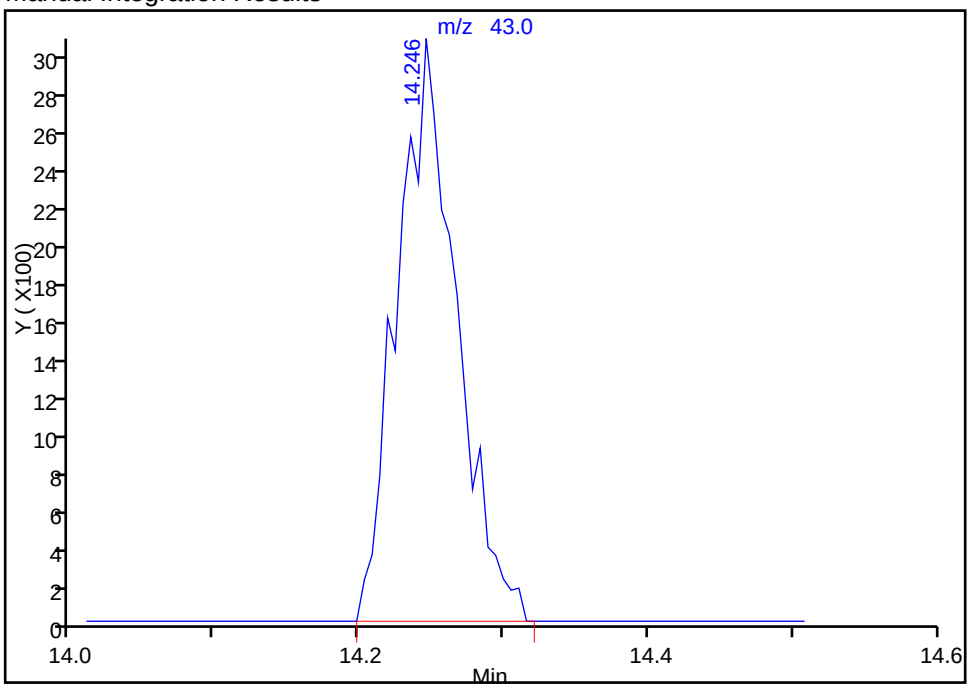
Processing Integration Results

RT: 14.25
Response: 5756
Amount: 0.106234



Manual Integration Results

RT: 14.25
Response: 8654
Amount: 0.156105



Reviewer: lyonsb, 31-Oct-2014 06:55:46
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

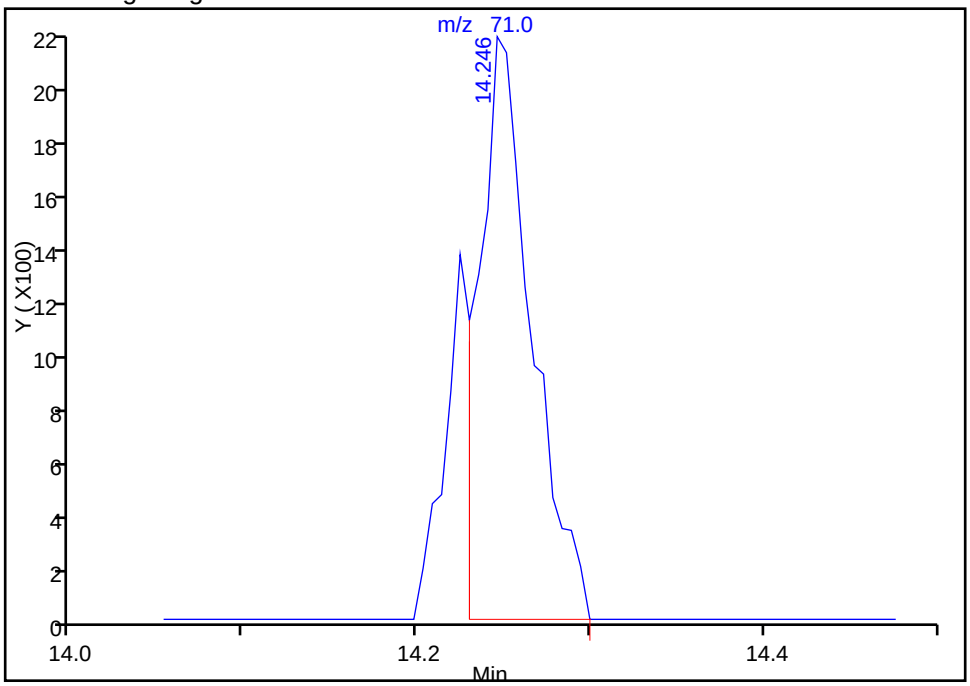
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_005.d
Injection Date: 30-Oct-2014 14:20:30 Instrument ID: CHW.i
Lims ID: IC
Client ID:
Operator ID: BPL ALS Bottle#: 2 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

53 n-Heptane, CAS: 142-82-5

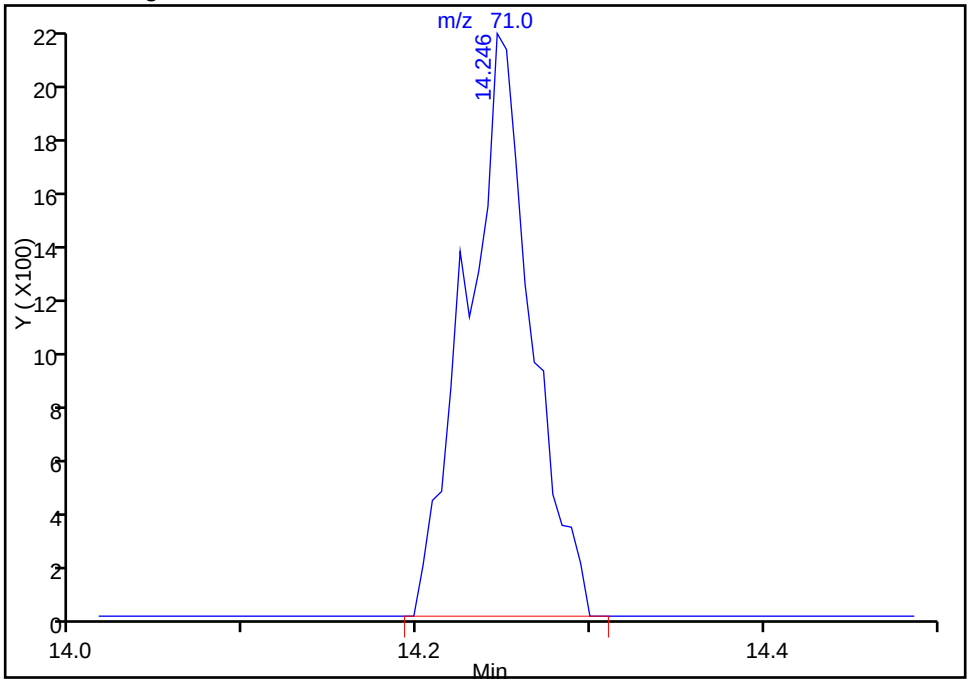
Processing Integration Results

RT: 14.25
Response: 4621
Amount: 0.106234



Manual Integration Results

RT: 14.25
Response: 5684
Amount: 0.156105



Reviewer: lyonsb, 31-Oct-2014 06:55:46
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

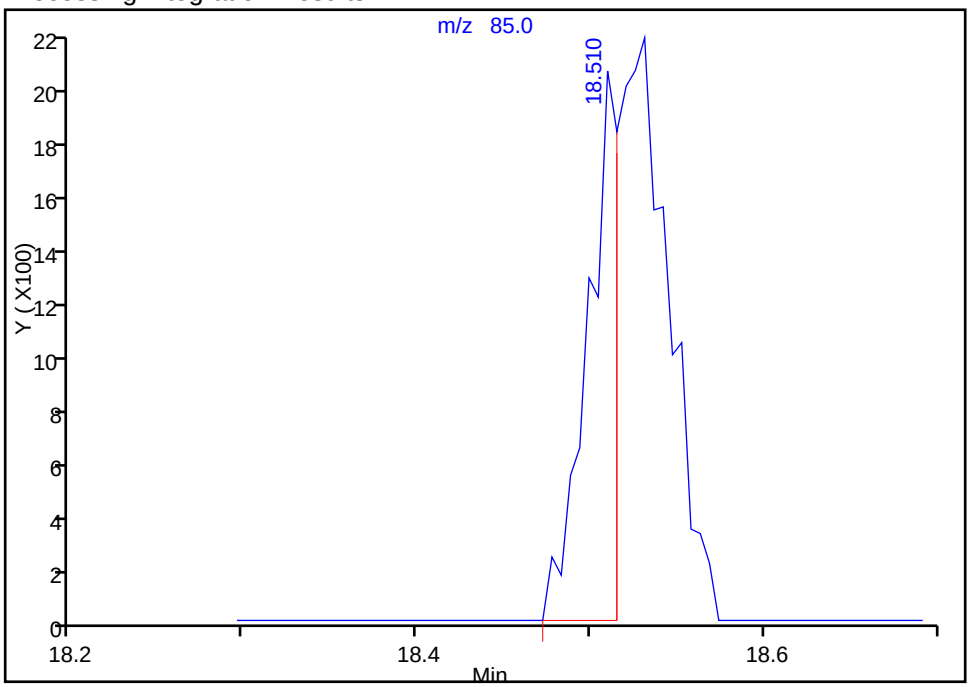
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_005.d				
Injection Date:	30-Oct-2014 14:20:30	Instrument ID:	CHW.i		
Lims ID:	IC				
Client ID:					
Operator ID:	BPL	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

71 1,1,2-Trichloroethane, CAS: 79-00-5

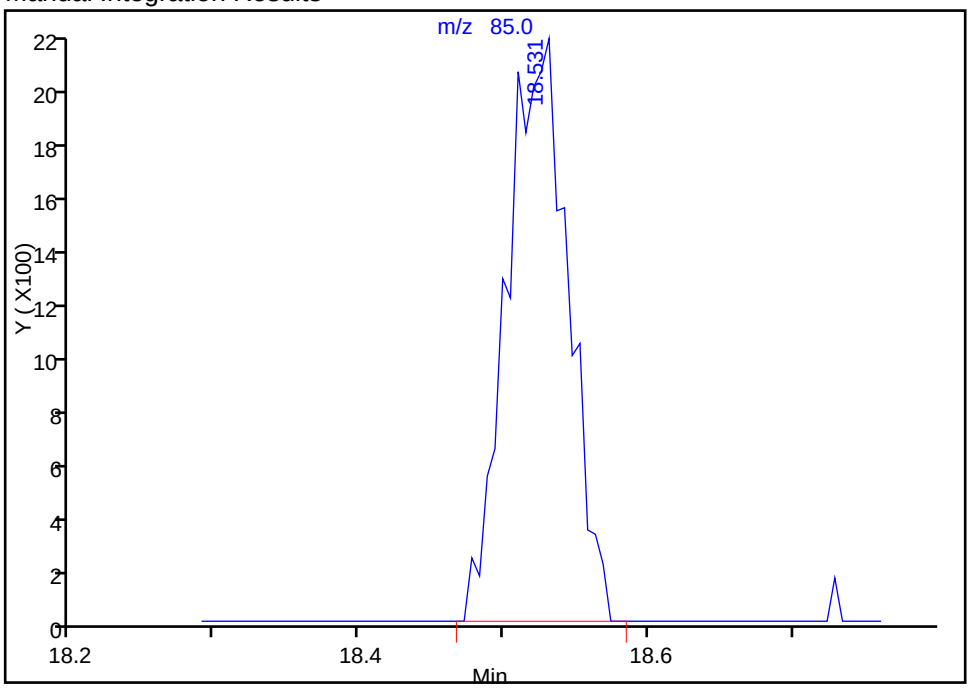
Processing Integration Results

RT: 18.51
Response: 2494
Amount: 0.184628



Manual Integration Results

RT: 18.53
Response: 6321
Amount: 0.187063



Reviewer: lyonsb, 31-Oct-2014 06:55:46
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

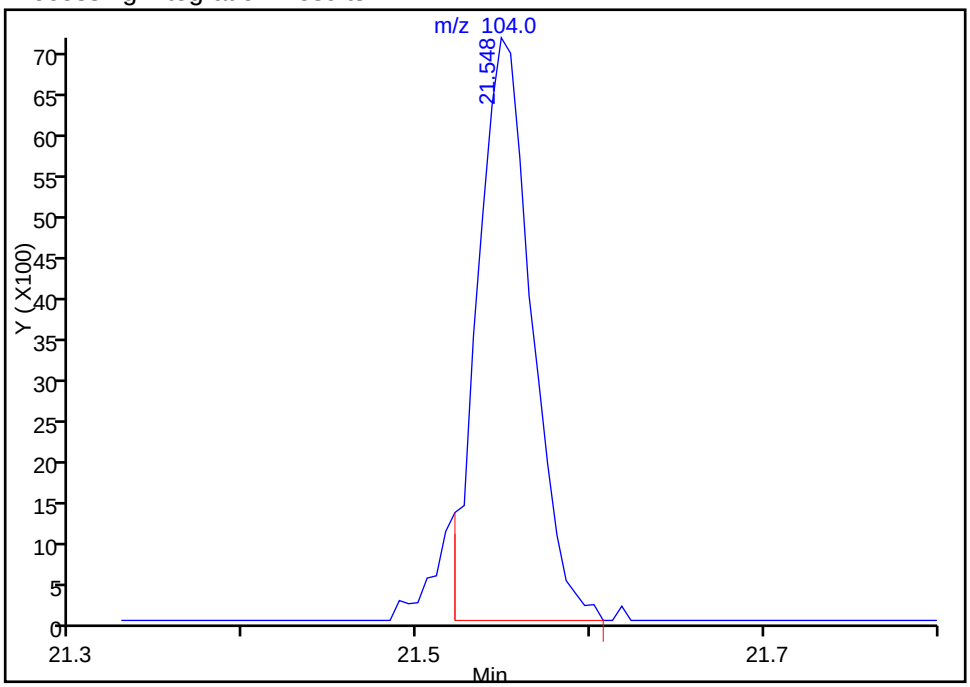
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_005.d				
Injection Date:	30-Oct-2014 14:20:30	Instrument ID:	CHW.i		
Lims ID:	IC				
Client ID:					
Operator ID:	BPL	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

84 Styrene, CAS: 100-42-5

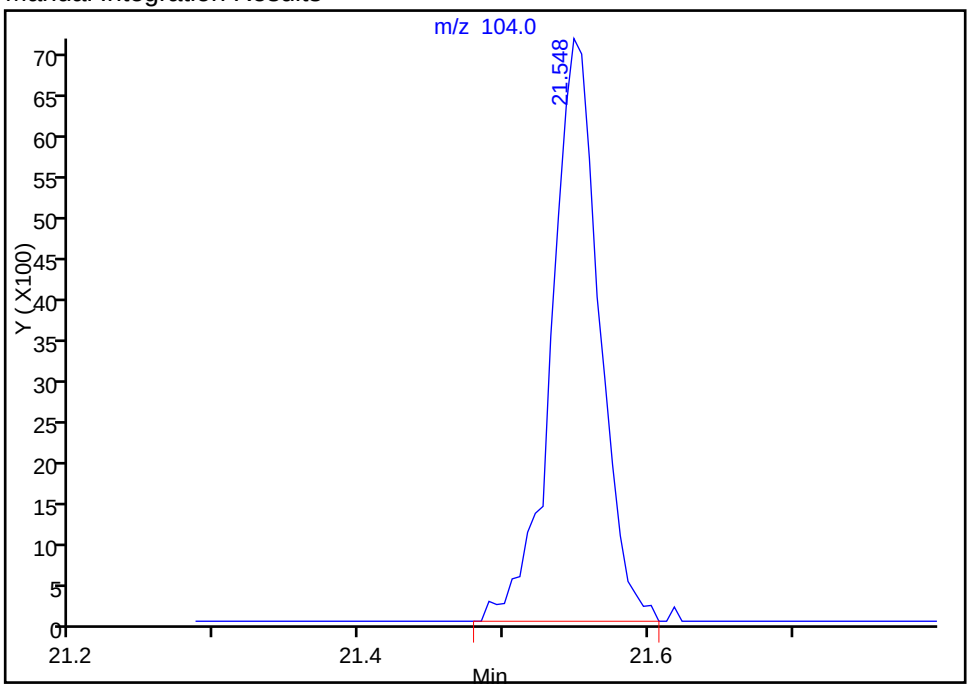
Processing Integration Results

RT: 21.55
Response: 15562
Amount: 0.106180



Manual Integration Results

RT: 21.55
Response: 16469
Amount: 0.113433



Reviewer: lyonsb, 31-Oct-2014 06:55:46
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

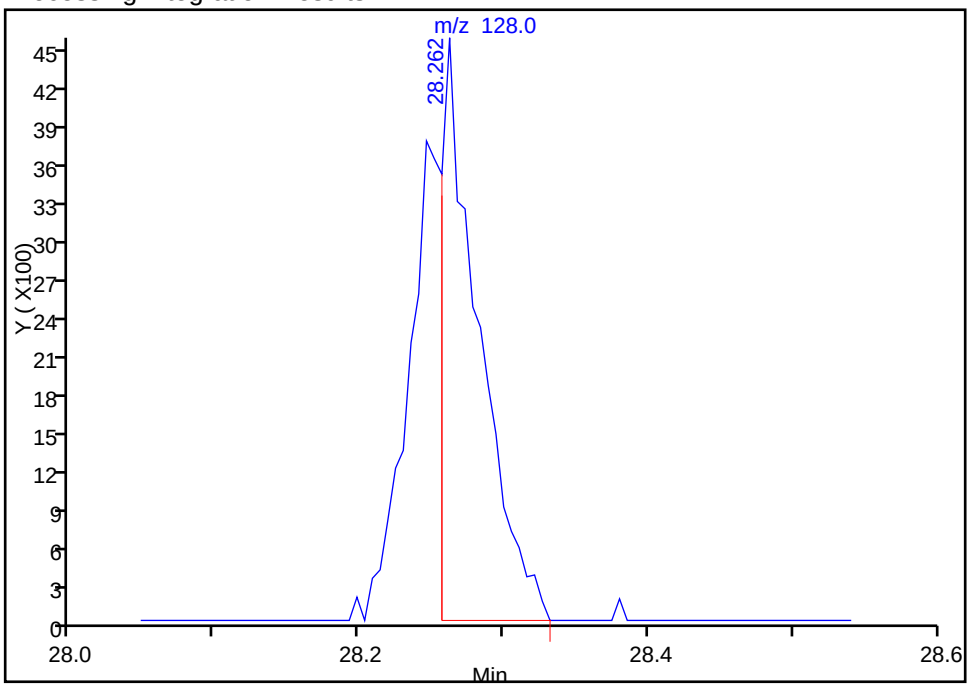
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_005.d				
Injection Date:	30-Oct-2014 14:20:30	Instrument ID:	CHW.i		
Lims ID:	IC				
Client ID:					
Operator ID:	BPL	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

109 Naphthalene, CAS: 91-20-3

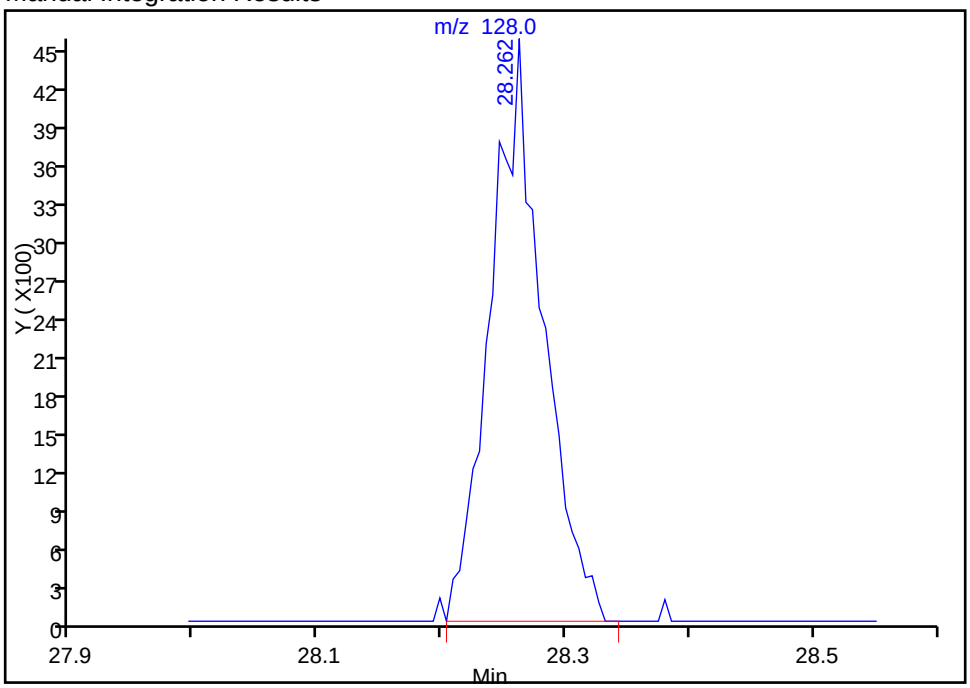
Processing Integration Results

RT: 28.26
Response: 8178
Amount: 0.029719



Manual Integration Results

RT: 28.26
Response: 13330
Amount: 0.048806



Reviewer: lyonsb, 31-Oct-2014 06:55:46
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_006.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 30-Oct-2014 15:11:30 ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010272-006
Misc. Info.: IC
Operator ID: BPL Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 31-Oct-2014 08:17:51 Calib Date: 30-Oct-2014 19:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: lyonsb Date: 31-Oct-2014 06:56:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.387	4.376	0.011	95	19379	0.5005	0.7019	
2 Dichlorodifluoromethane	85	4.483	4.483	0.000	99	74043	0.5005	0.5950	
6 Chlorodifluoromethane	51	4.542	4.553	-0.011	97	37737	0.5005	0.6582	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.831	4.831	0.000	91	75623	0.5005	0.6011	
8 Chloromethane	50	5.023	5.023	0.000	98	21876	0.5005	0.6566	
9 Butane	43	5.285	5.286	-0.001	98	33898	0.5005	0.6634	
10 Vinyl chloride	62	5.350	5.344	0.006	98	25564	0.5005	0.5897	
11 Butadiene	54	5.446	5.440	0.006	91	16566	0.5005	0.5899	
12 Bromomethane	94	6.313	6.307	0.006	99	29770	0.5005	0.6333	
13 BFB									
14 Chloroethane	64	6.591	6.585	0.006	97	14033	0.5005	0.5949	
15 2-Methylbutane	43	6.682	6.682	0.000	91	20877	0.5005	0.5511	
16 Vinyl bromide	106	7.067	7.067	0.000	99	26139	0.5005	0.4998	
17 Trichlorofluoromethane	101	7.179	7.179	0.000	98	69795	0.5005	0.5636	
18 Pentane	43	7.345	7.340	0.005	96	29789	0.5005	0.5440	
19 Ethanol	45	7.789	7.800	-0.011	99	79169	5.01	5.52	
21 Ethyl ether	59	7.934	7.928	0.006	91	12214	0.5005	0.4965	
22 Acrolein	56	8.388	8.388	0.000	60	6848	0.5005	0.6484	M
23 1,1,2-Trichloro-1,2,2-trif	101	8.415	8.426	-0.011	97	57139	0.5005	0.5704	
24 1,1-Dichloroethene	96	8.495	8.500	-0.005	92	24739	0.5005	0.5221	
25 Acetone	43	8.725	8.725	0.000	89	82637	0.5005	1.63	
26 Carbon disulfide	76	8.982	8.987	-0.005	98	65381	0.5005	0.5487	
27 Isopropyl alcohol	45	9.004	9.009	-0.005	95	25087	0.5005	0.6198	
29 3-Chloro-1-propene	41	9.378	9.383	-0.005	87	18193	0.5005	0.4934	M
30 Acetonitrile	41	9.517	9.506	0.011	99	14199	0.5005	0.6725	
31 Methylene Chloride	49	9.715	9.715	0.000	82	24527	0.5005	0.6561	
32 2-Methyl-2-propanol	59	9.870	9.875	-0.005	96	25171	0.5005	0.3991	
33 Methyl tert-butyl ether	73	10.132	10.132	0.000	98	48564	0.5005	0.4486	
S 41 1,2-Dichloroethene, Total	61				0		1.00	1.03	
34 trans-1,2-Dichloroethene	61	10.207	10.212	-0.005	86	27606	0.5005	0.5321	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Acrylonitrile	53	10.357	10.351	0.006	96	12709	0.5005	0.5154	
36 Hexane	57	10.619	10.624	-0.005	89	24685	0.5005	0.4647	
37 1,1-Dichloroethane	63	11.165	11.175	-0.010	99	39532	0.5005	0.5581	
38 Vinyl acetate	43	11.208	11.207	0.001	98	30237	0.5005	0.3906	
39 cis-1,2-Dichloroethene	96	12.342	12.347	-0.005	90	25526	0.5005	0.4951	
40 2-Butanone (MEK)	72	12.358	12.358	0.000	100	14509	0.5005	0.6221	
42 Ethyl acetate	88	12.385	12.379	0.006	95	1914	0.5005	0.4595	
44 Tetrahydrofuran	42	12.829	12.823	0.006	32	17471	0.5005	0.4965	
* 43 Chlorobromomethane	128	12.829	12.829	0.000	75	420493	10.0	10.0	
45 Chloroform	83	12.941	12.941	0.000	99	51499	0.5005	0.5523	
46 Cyclohexane	84	13.241	13.240	0.000	69	28386	0.5005	0.4511	
47 1,1,1-Trichloroethane	97	13.246	13.246	0.000	97	53064	0.5005	0.5294	
48 Carbon tetrachloride	117	13.508	13.502	0.006	97	58270	0.5005	0.5325	
51 Isooctane	57	13.893	13.893	0.000	97	78822	0.5005	0.4507	
50 Benzene	78	13.947	13.952	-0.005	93	78539	0.5005	0.5337	
52 1,2-Dichloroethane	62	14.107	14.112	-0.005	97	28409	0.5005	0.5579	
53 n-Heptane	43	14.246	14.252	-0.006	84	25825	0.5005	0.4609	
* 54 1,4-Difluorobenzene	114	14.712	14.712	0.000	92	1979229	10.0	10.0	
A 57 GRO	1	14.746	(6.672-22.832)		0	9310394	0.5005	0	
55 n-Butanol	56	15.006	14.990	0.016	87	10553	0.5005	0.5231	
56 Trichloroethene	95	15.177	15.177	0.000	94	34475	0.5005	0.5173	
58 1,2-Dichloropropane	63	15.696	15.696	0.000	89	25232	0.5005	0.5244	
59 Methyl methacrylate	69	15.771	15.776	-0.005	79	18781	0.5005	0.3991	
60 1,4-Dioxane	88	15.873	15.872	0.001	74	12238	0.5005	0.4858	
61 Dibromomethane	174	15.942	15.947	-0.005	91	40785	0.5005	0.4870	
62 Dichlorobromomethane	83	16.188	16.188	0.000	98	54452	0.5005	0.5279	M
A 63 TVOC as Toluene	92	16.605	(4.366-28.834)		0	15890234	0.5005	132.5	
64 cis-1,3-Dichloropropene	75	17.049	17.049	0.000	90	28168	0.5005	0.4081	
65 4-Methyl-2-pentanone (MIBK	43	17.280	17.279	0.001	95	30097	0.5005	0.4072	
A 68 C8 Range	1	17.616	(17.566-17.666)		0	379443	NC	NC	
69 n-Octane	43	17.622	17.616	0.006	72	35269	0.5005	0.4853	
A 67 Toluene Range	92	17.622	(17.577-17.657)		0	379443	0.5005	3.48	
66 Toluene	92	17.622	17.617	0.005	95	55131	0.5005	0.5060	
70 trans-1,3-Dichloropropene	75	18.157	18.157	0.000	94	30931	0.5005	0.4326	
71 1,1,2-Trichloroethane	83	18.521	18.520	0.001	95	27283	0.5005	0.5149	
72 Tetrachloroethene	166	18.665	18.665	0.000	96	58591	0.5005	0.4992	
73 2-Hexanone	43	18.906	18.906	0.000	95	28439	0.5005	0.4138	
74 Chlorodibromomethane	129	19.275	19.280	-0.005	97	60940	0.5005	0.4694	
75 Ethylene Dibromide	107	19.564	19.564	0.000	98	48940	0.5005	0.4744	
S 82 Xylenes, Total	106				0		1.50	1.42	
* 76 Chlorobenzene-d5	117	20.409	20.409	0.000	82	1798117	10.0	10.0	
77 Chlorobenzene	112	20.463	20.462	0.001	96	92428	0.5005	0.5308	
78 Ethylbenzene	91	20.575	20.586	-0.011	96	112502	0.5005	0.4869	
79 n-Nonane	57	20.634	20.634	0.000	83	42507	0.5005	0.5079	
80 m-Xylene & p-Xylene	106	20.794	20.789	0.005	0	99802	1.00	1.01	
83 o-Xylene	106	21.511	21.511	0.000	95	40534	0.5005	0.4144	
84 Styrene	104	21.554	21.548	0.006	98	60541	0.5005	0.4123	
85 Bromoform	173	21.928	21.934	-0.006	98	61681	0.5005	0.4446	
86 Isopropylbenzene	105	22.078	22.073	0.005	94	119784	0.5005	0.4443	
$ 87 4-Bromofluorobenzene	95	22.415	22.415	0.000	97	1139146	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.640	22.640	0.000	98	76564	0.5005	0.5431	
90 N-Propylbenzene	91	22.709	22.710	-0.001	100	153696	0.5005	0.4869	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.742	22.741	0.001	87	58434	0.5005	0.5628	
93 n-Decane	57	22.822	22.822	0.000	84	55506	0.5005	0.4779	
91 4-Ethyltoluene	105	22.875	22.875	0.000	98	147394	0.5005	0.5111	
92 2-Chlorotoluene	91	22.913	22.913	0.000	93	123082	0.5005	0.5219	
94 1,3,5-Trimethylbenzene	105	22.972	22.971	0.001	94	119117	0.5005	0.4928	
95 Alpha Methyl Styrene	118	23.325	23.314	0.011	92	46020	0.5005	0.3705	
96 tert-Butylbenzene	119	23.448	23.448	0.000	97	116976	0.5005	0.4756	
97 1,2,4-Trimethylbenzene	105	23.539	23.538	0.001	95	113766	0.5005	0.4698	
98 sec-Butylbenzene	105	23.774	23.769	0.005	98	170134	0.5005	0.4847	
99 4-Isopropyltoluene	119	23.977	23.977	0.000	97	138698	0.5005	0.4554	
100 1,3-Dichlorobenzene	146	24.047	24.047	0.000	99	99909	0.5005	0.4898	
101 1,4-Dichlorobenzene	146	24.191	24.191	0.000	97	87483	0.5005	0.4461	
104 Undecane	57	24.593	24.587	0.006	91	57047	0.5005	0.4598	
102 Benzyl chloride	91	24.405	24.614	-0.209	99	72706	0.5005	0.3940	
103 n-Butylbenzene	91	24.614	24.614	0.000	97	138606	0.5005	0.5334	
105 1,2-Dichlorobenzene	146	24.796	24.801	-0.005	99	95546	0.5005	0.4889	
106 Dodecane	57	26.390	26.379	0.011	90	31875	0.5005	0.3099	
107 1,2,4-Trichlorobenzene	180	27.674	27.674	0.000	91	40956	0.5005	0.2772	
108 Hexachlorobutadiene	225	27.877	27.877	0.000	96	64613	0.5005	0.4832	
109 Naphthalene	128	28.262	28.257	0.005	99	38946	0.5005	0.1410	
110 1,2,3-Trichlorobenzene	180	28.830	28.824	0.006	95	42124	0.5005	0.3450	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated

Reagents:

ATTO15CAL2w_00147	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

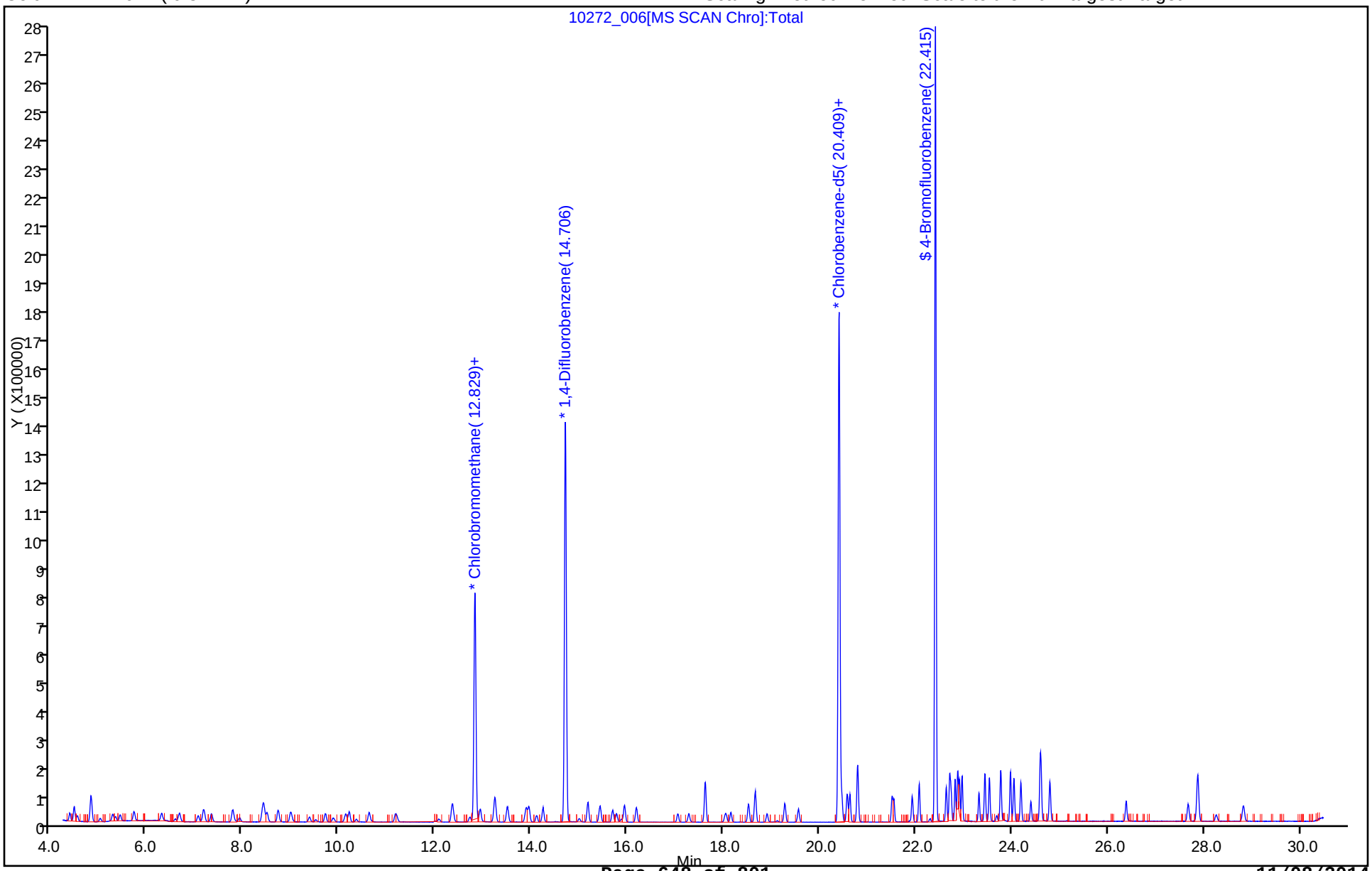
Report Date: 31-Oct-2014 08:17:51 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_006.d

Injection Date:	30-Oct-2014 15:11:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	IC			Worklist Smp#:	6
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

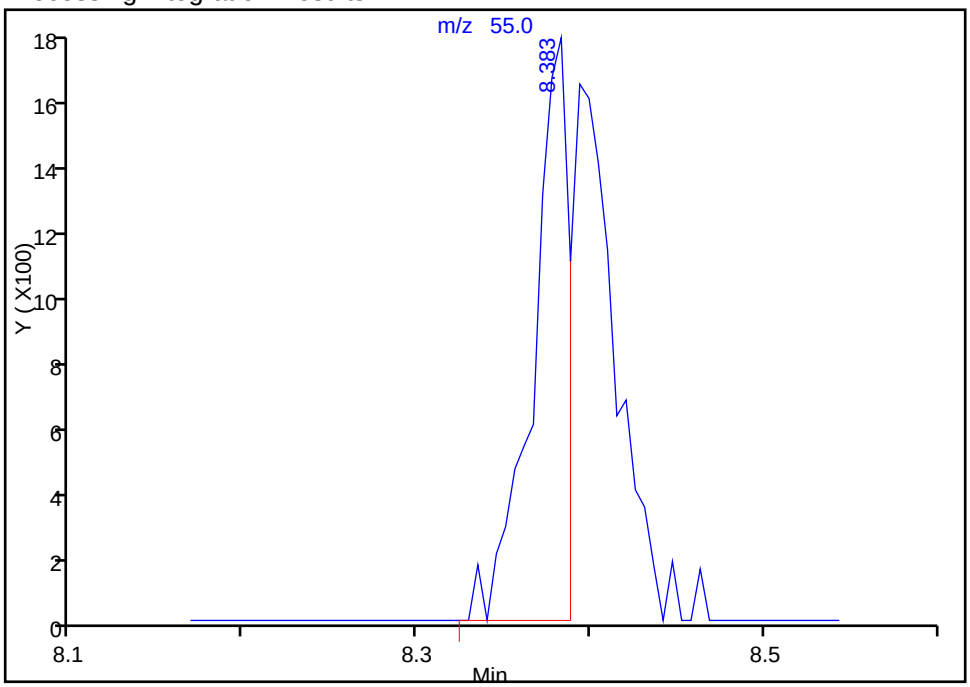
TestAmerica Burlington

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Injection Date:	30-Oct-2014 15:11:30	Instrument ID:	CHW.i		
Lims ID:	IC				
Client ID:					
Operator ID:	BPL	ALS Bottle#:	3	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

22 Acrolein, CAS: 107-02-8

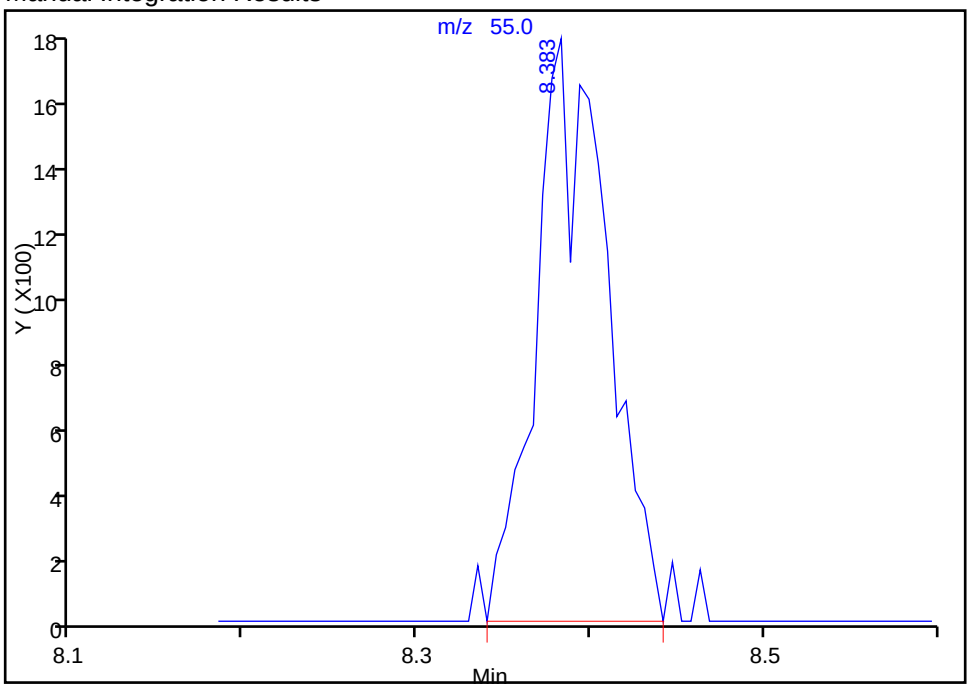
Processing Integration Results

RT: 8.38
Response: 2493
Amount: 0.636918



Manual Integration Results

RT: 8.38
Response: 4896
Amount: 0.648423



Reviewer: lyonsb, 31-Oct-2014 06:56:58
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

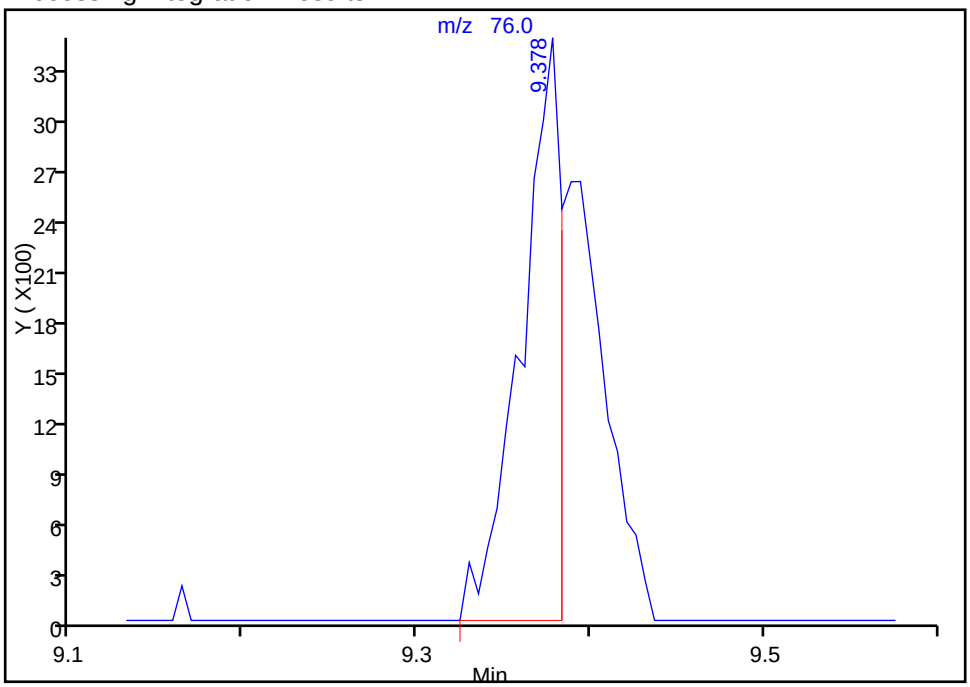
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_006.d
Injection Date: 30-Oct-2014 15:11:30 Instrument ID: CHW.i
Lims ID: IC
Client ID:
Operator ID: BPL ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

29 3-Chloro-1-propene, CAS: 107-05-1

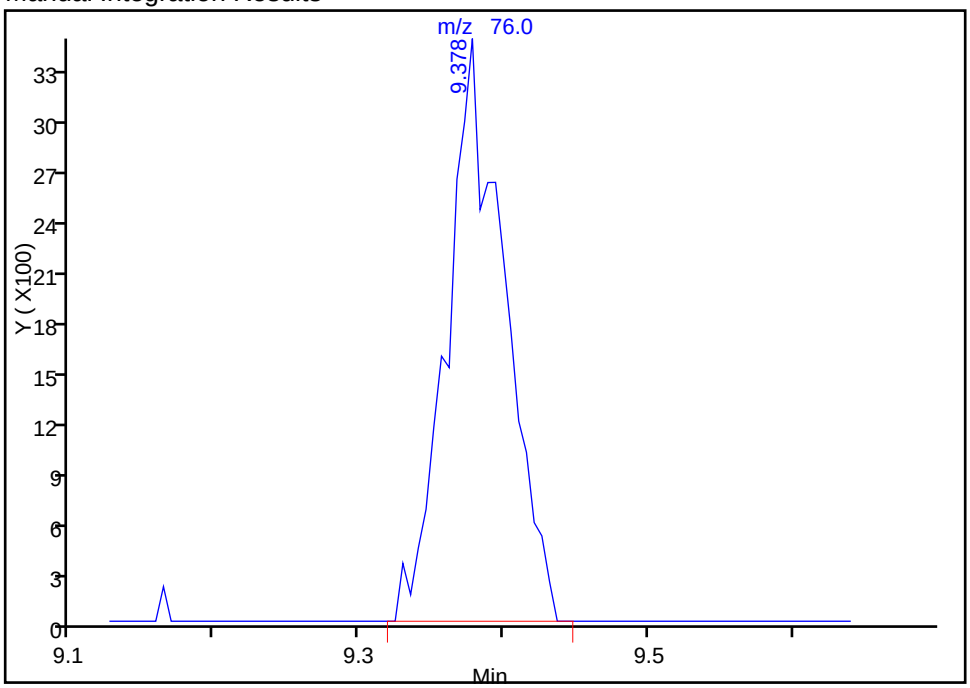
Processing Integration Results

RT: 9.38
Response: 5524
Amount: 0.486231



Manual Integration Results

RT: 9.38
Response: 9544
Amount: 0.493391



Reviewer: lyonsb, 31-Oct-2014 06:56:58
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

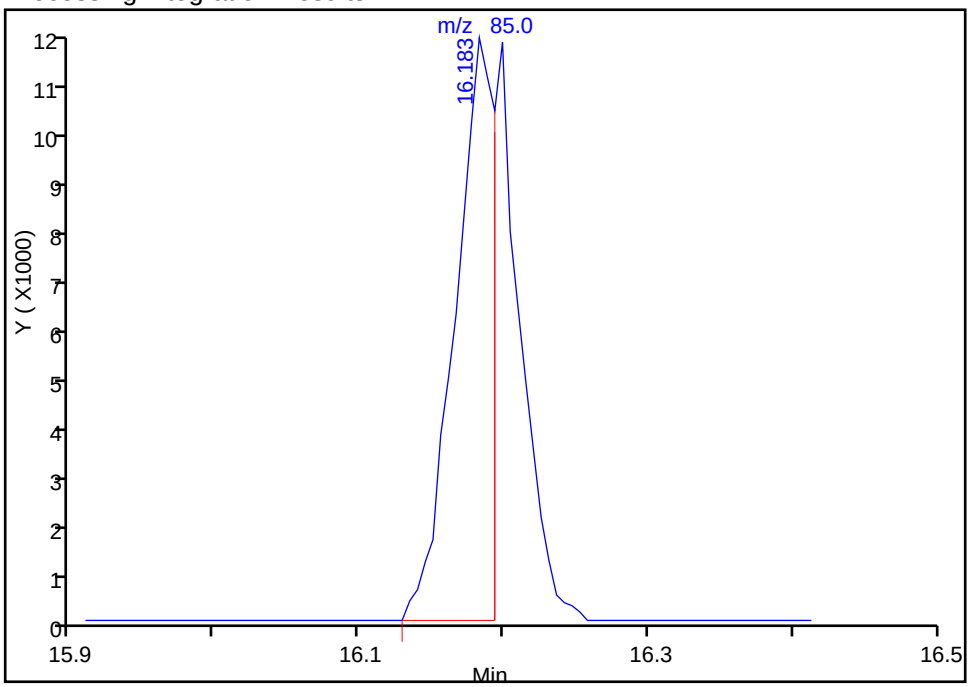
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_006.d				
Injection Date:	30-Oct-2014 15:11:30	Instrument ID:	CHW.i		
Lims ID:	IC				
Client ID:					
Operator ID:	BPL	ALS Bottle#:	3	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

62 Dichlorobromomethane, CAS: 75-27-4

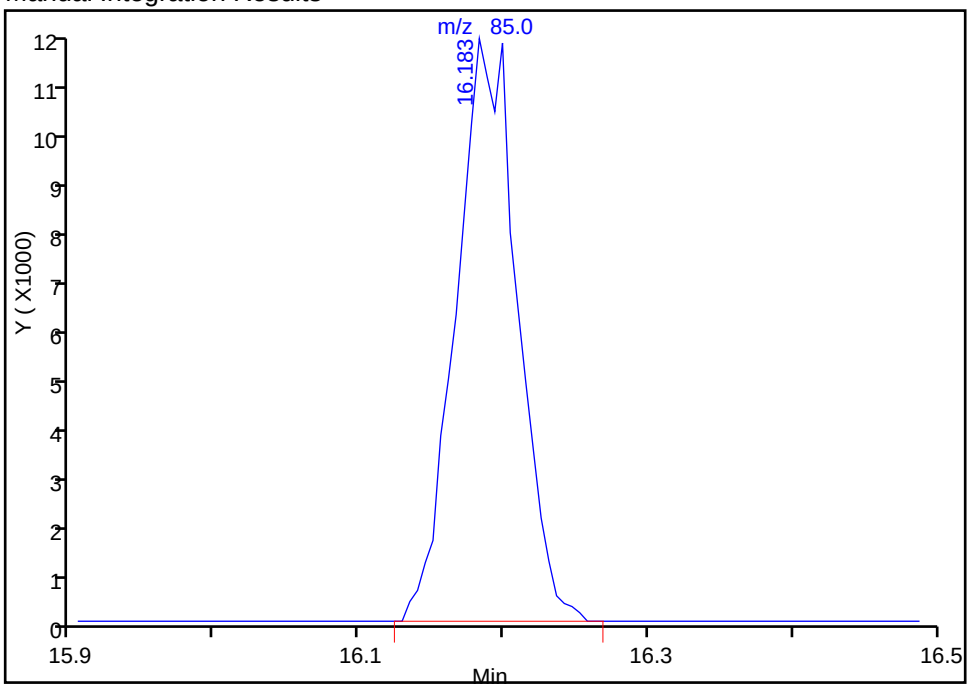
Processing Integration Results

RT: 16.18
Response: 21794
Amount: 0.520686



Manual Integration Results

RT: 16.18
Response: 33885
Amount: 0.527861



Reviewer: lyonsb, 31-Oct-2014 06:56:58
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_007.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 30-Oct-2014 15:59:30 ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010272-007
Misc. Info.: IC
Operator ID: BPL Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 31-Oct-2014 08:17:53 Calib Date: 30-Oct-2014 19:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: lyonsb Date: 31-Oct-2014 06:57:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.392	4.376	0.016	98	161592	4.99	5.35	
2 Dichlorodifluoromethane	85	4.483	4.483	0.000	88	723361	4.99	5.31	
6 Chlorodifluoromethane	51	4.547	4.553	-0.006	55	338900	4.99	5.40	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.836	4.831	0.005	88	718801	4.99	5.22	
8 Chloromethane	50	5.029	5.023	0.006	88	194690	4.99	5.34	
9 Butane	43	5.291	5.286	0.005	98	312560	4.99	5.59	
10 Vinyl chloride	62	5.344	5.344	0.000	82	248714	4.99	5.24	
11 Butadiene	54	5.446	5.440	0.006	92	169166	4.99	5.50	
12 Bromomethane	94	6.307	6.307	0.000	99	274889	4.99	5.34	
13 BFB									
14 Chloroethane	64	6.591	6.585	0.006	96	131466	4.99	5.09	
15 2-Methylbutane	43	6.676	6.682	-0.006	92	216854	4.99	5.23	
16 Vinyl bromide	106	7.067	7.067	0.000	96	278625	4.99	4.87	
17 Trichlorofluoromethane	101	7.190	7.179	0.011	86	683475	4.99	5.04	
18 Pentane	43	7.350	7.340	0.010	95	317720	4.99	5.30	
19 Ethanol	45	7.794	7.800	-0.006	99	175086	10.0	11.2	
21 Ethyl ether	59	7.928	7.928	0.000	92	141452	4.99	5.25	
22 Acrolein	56	8.399	8.388	0.011	43	58900	4.99	5.10	
23 1,1,2-Trichloro-1,2,2-trif	101	8.431	8.426	0.005	94	548894	4.99	5.01	
24 1,1-Dichloroethene	96	8.506	8.500	0.006	84	257935	4.99	4.97	
25 Acetone	43	8.731	8.725	0.006	90	398208	4.99	7.20	
26 Carbon disulfide	76	8.993	8.987	0.006	98	667961	4.99	5.12	
27 Isopropyl alcohol	45	9.014	9.009	0.005	73	244526	4.99	5.52	
29 3-Chloro-1-propene	41	9.389	9.383	0.006	88	218285	4.99	5.41	
30 Acetonitrile	41	9.517	9.506	0.011	100	131741	4.99	5.70	
31 Methylene Chloride	49	9.720	9.715	0.005	77	217047	4.99	5.30	
32 2-Methyl-2-propanol	59	9.886	9.875	0.011	98	344130	4.99	4.99	
33 Methyl tert-butyl ether	73	10.143	10.132	0.011	96	624541	4.99	5.27	
S 41 1,2-Dichloroethene, Total	61				0		9.99	10.6	
34 trans-1,2-Dichloroethene	61	10.218	10.212	0.006	79	304040	4.99	5.35	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Acrylonitrile	53	10.362	10.351	0.011	95	140554	4.99	5.21	
36 Hexane	57	10.630	10.624	0.006	89	320020	4.99	5.50	
37 1,1-Dichloroethane	63	11.175	11.175	0.000	99	407121	4.99	5.25	
38 Vinyl acetate	43	11.213	11.207	0.006	99	442747	4.99	5.22	
39 cis-1,2-Dichloroethene	96	12.352	12.347	0.005	72	298200	4.99	5.28	
40 2-Butanone (MEK)	72	12.358	12.358	0.000	99	134326	4.99	5.26	
42 Ethyl acetate	88	12.384	12.379	0.005	98	22185	4.99	4.87	
44 Tetrahydrofuran	42	12.828	12.823	0.005	59	206572	4.99	5.45	
* 43 Chlorobromomethane	128	12.834	12.829	0.005	71	460246	10.0	10.0	
45 Chloroform	83	12.941	12.941	0.000	85	526793	4.99	5.16	
46 Cyclohexane	84	13.246	13.240	0.006	77	367629	4.99	5.42	
47 1,1,1-Trichloroethane	97	13.251	13.246	0.005	90	554551	4.99	5.13	
48 Carbon tetrachloride	117	13.508	13.502	0.006	89	599229	4.99	5.08	
51 Isooctane	57	13.893	13.893	0.000	99	1084569	4.99	5.76	
50 Benzene	78	13.957	13.952	0.005	93	837916	4.99	5.28	
52 1,2-Dichloroethane	62	14.118	14.112	0.006	97	287520	4.99	5.24	
53 n-Heptane	43	14.246	14.252	-0.006	86	354546	4.99	5.87	
* 54 1,4-Difluorobenzene	114	14.717	14.712	0.005	92	2132555	10.0	10.0	
A 57 GRO	1	14.746	(6.672-22.832)		0	106302481	4.99	0	
55 n-Butanol	56	14.995	14.990	0.005	84	108720	4.99	5.00	
56 Trichloroethene	95	15.177	15.177	0.000	89	376465	4.99	5.24	
58 1,2-Dichloropropane	63	15.701	15.696	0.005	71	275939	4.99	5.32	
59 Methyl methacrylate	69	15.776	15.776	0.000	73	260894	4.99	5.15	
60 1,4-Dioxane	88	15.872	15.872	0.000	71	146190	4.99	5.39	
61 Dibromomethane	174	15.942	15.947	-0.005	90	442428	4.99	4.90	
62 Dichlorobromomethane	83	16.193	16.188	0.005	95	582856	4.99	5.24	
A 63 TVOC as Toluene	92	16.605	(4.366-28.834)		0	191387693	4.99	1481.1	
64 cis-1,3-Dichloropropene	75	17.055	17.049	0.006	83	394660	4.99	5.31	
65 4-Methyl-2-pentanone (MIBK	43	17.279	17.279	0.000	94	447297	4.99	5.62	
A 68 C8 Range	1	17.616	(17.566-17.666)		0	4821884	NC	NC	
69 n-Octane	43	17.622	17.616	0.006	73	517033	4.99	6.60	
A 67 Toluene Range	92	17.622	(17.577-17.657)		0	4821884	4.99	39.0	
66 Toluene	92	17.622	17.617	0.005	93	679717	4.99	5.50	
70 trans-1,3-Dichloropropene	75	18.157	18.157	0.000	93	419534	4.99	5.45	
71 1,1,2-Trichloroethane	83	18.521	18.520	0.001	92	311614	4.99	5.18	
72 Tetrachloroethene	166	18.665	18.665	0.000	91	666386	4.99	5.01	
73 2-Hexanone	43	18.906	18.906	0.000	92	425937	4.99	5.46	
74 Chlorodibromomethane	129	19.280	19.280	0.000	97	749334	4.99	5.09	
75 Ethylene Dibromide	107	19.564	19.564	0.000	99	601842	4.99	5.14	
S 82 Xylenes, Total	106				0		15.0	17.4	
* 76 Chlorobenzene-d5	117	20.409	20.409	0.000	77	2039803	10.0	10.0	
77 Chlorobenzene	112	20.463	20.462	0.000	93	1000773	4.99	5.07	
78 Ethylbenzene	91	20.575	20.586	-0.011	96	1454057	4.99	5.55	
79 n-Nonane	57	20.634	20.634	0.000	83	577934	4.99	6.09	
80 m-Xylene & p-Xylene	106	20.794	20.789	0.005	0	1315795	9.99	11.7	
83 o-Xylene	106	21.511	21.511	0.000	96	632989	4.99	5.71	
84 Styrene	104	21.548	21.548	0.000	98	957079	4.99	5.75	
85 Bromoform	173	21.934	21.934	0.000	99	836924	4.99	5.32	
86 Isopropylbenzene	105	22.073	22.073	0.000	94	1817594	4.99	5.94	
$ 87 4-Bromofluorobenzene	95	22.415	22.415	0.000	98	1366298	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.640	22.640	0.000	90	879176	4.99	5.50	
90 N-Propylbenzene	91	22.709	22.710	-0.001	99	2148131	4.99	6.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.741	22.741	0.000	85	649138	4.99	5.51	
93 n-Decane	57	22.822	22.822	0.000	82	792328	4.99	6.01	
91 4-Ethyltoluene	105	22.875	22.875	0.000	85	1907132	4.99	5.83	
92 2-Chlorotoluene	91	22.913	22.913	0.000	92	1516729	4.99	5.67	
94 1,3,5-Trimethylbenzene	105	22.966	22.971	-0.005	79	1584614	4.99	5.78	
95 Alpha Methyl Styrene	118	23.319	23.314	0.005	91	722230	4.99	5.13	
96 tert-Butylbenzene	119	23.442	23.448	-0.006	93	1612694	4.99	5.78	
97 1,2,4-Trimethylbenzene	105	23.539	23.538	0.001	94	1622277	4.99	5.91	
98 sec-Butylbenzene	105	23.774	23.769	0.005	99	2392363	4.99	6.01	
99 4-Isopropyltoluene	119	23.977	23.977	0.000	84	2088584	4.99	6.05	
100 1,3-Dichlorobenzene	146	24.047	24.047	0.000	98	1256710	4.99	5.43	
101 1,4-Dichlorobenzene	146	24.191	24.191	0.000	97	1223381	4.99	5.50	
104 Undecane	57	24.587	24.587	0.000	91	902670	4.99	6.41	
102 Benzyl chloride	91	24.400	24.614	-0.214	100	1197892	4.99	5.72	
103 n-Butylbenzene	91	24.609	24.614	-0.005	97	1828423	4.99	6.20	
105 1,2-Dichlorobenzene	146	24.796	24.801	-0.005	98	1205045	4.99	5.44	
106 Dodecane	57	26.379	26.379	0.000	92	730570	4.99	6.26	
107 1,2,4-Trichlorobenzene	180	27.674	27.674	0.000	90	871083	4.99	5.20	
108 Hexachlorobutadiene	225	27.872	27.877	-0.005	93	809842	4.99	5.34	
109 Naphthalene	128	28.257	28.257	0.000	99	1800685	4.99	5.75	
110 1,2,3-Trichlorobenzene	180	28.824	28.824	0.000	94	809500	4.99	5.84	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL3w_00134	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

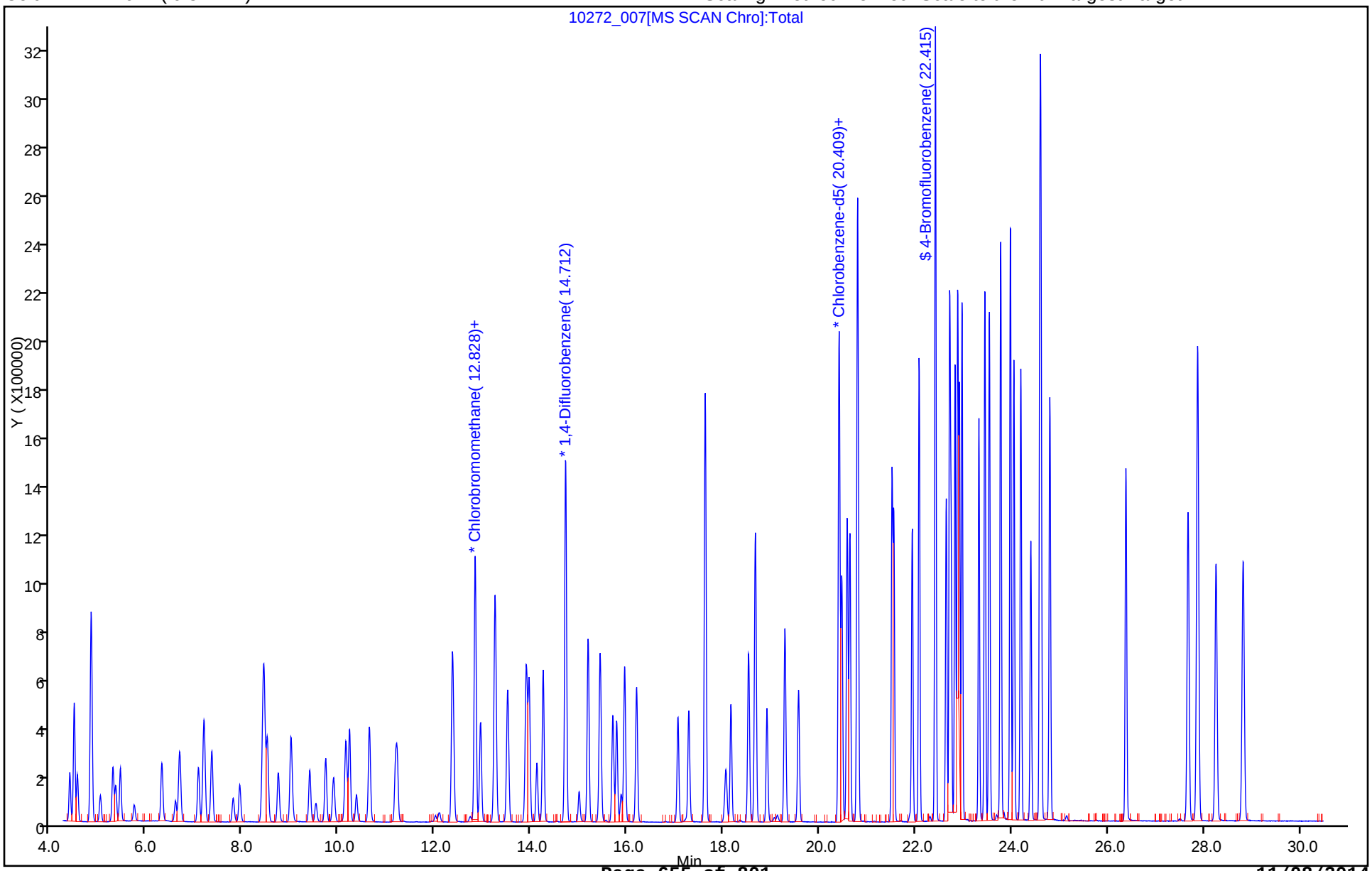
Report Date: 31-Oct-2014 08:17:54 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_007.d

Injection Date:	30-Oct-2014 15:59:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	IC			Worklist Smp#:	7
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_008.d
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 30-Oct-2014 16:49:30 ALS Bottle#: 5 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010272-008
Misc. Info.: ICIS
Operator ID: BPL Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 31-Oct-2014 07:42:18 Calib Date: 30-Oct-2014 19:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: lyonsb Date: 31-Oct-2014 07:42:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.387	4.387	0.000	98	354952	10.0	10.2	
2 Dichlorodifluoromethane	85	4.483	4.483	0.000	88	1629109	10.0	10.4	
6 Chlorodifluoromethane	51	4.547	4.547	0.000	54	741195	10.0	10.2	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.831	4.831	0.000	87	1631755	10.0	10.3	
8 Chloromethane	50	5.023	5.023	0.000	88	432276	10.0	10.3	
9 Butane	43	5.291	5.291	0.000	98	657993	10.0	10.2	
10 Vinyl chloride	62	5.344	5.344	0.000	78	540790	10.0	9.87	
11 Butadiene	54	5.440	5.440	0.000	93	365915	10.0	10.3	
12 Bromomethane	94	6.307	6.307	0.000	99	579129	10.0	9.75	
13 BFB									
14 Chloroethane	64	6.585	6.585	0.000	94	305743	10.0	10.3	
15 2-Methylbutane	43	6.671	6.671	0.000	91	495464	10.0	10.3	
16 Vinyl bromide	106	7.067	7.067	0.000	92	690018	10.0	10.4	
17 Trichlorofluoromethane	101	7.179	7.179	0.000	86	1583506	10.0	10.1	
18 Pentane	43	7.340	7.340	0.000	96	737674	10.0	10.7	
19 Ethanol	45	7.789	7.789	0.000	99	291516	15.0	16.1	
21 Ethyl ether	59	7.928	7.928	0.000	91	339282	10.0	10.9	
22 Acrolein	56	8.388	8.388	0.000	51	141461	10.0	10.6	
23 1,1,2-Trichloro-1,2,2-trif	101	8.426	8.426	0.000	94	1282020	10.0	10.1	
24 1,1-Dichloroethene	96	8.500	8.500	0.000	90	629180	10.0	10.5	
25 Acetone	43	8.725	8.725	0.000	90	634816	10.0	9.93	
26 Carbon disulfide	76	8.987	8.987	0.000	98	1564910	10.0	10.4	
27 Isopropyl alcohol	45	9.009	9.009	0.000	66	546692	10.0	10.7	
29 3-Chloro-1-propene	41	9.383	9.383	0.000	88	510049	10.0	10.9	
30 Acetonitrile	41	9.506	9.506	0.000	99	275366	10.0	10.3	
31 Methylene Chloride	49	9.715	9.715	0.000	81	474620	10.0	10.0	
32 2-Methyl-2-propanol	59	9.875	9.875	0.000	99	829691	10.0	10.4	
33 Methyl tert-butyl ether	73	10.132	10.132	0.000	96	1485974	10.0	10.9	
S 41 1,2-Dichloroethene, Total	61				0		20.0	21.3	
34 trans-1,2-Dichloroethene	61	10.212	10.212	0.000	77	695262	10.0	10.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Acrylonitrile	53	10.351	10.351	0.000	96	321432	10.0	10.3	
36 Hexane	57	10.624	10.624	0.000	87	756043	10.0	11.3	
37 1,1-Dichloroethane	63	11.175	11.175	0.000	94	920142	10.0	10.3	
38 Vinyl acetate	43	11.207	11.207	0.000	99	1046353	10.0	10.7	
39 cis-1,2-Dichloroethene	96	12.347	12.347	0.000	81	698053	10.0	10.7	
40 2-Butanone (MEK)	72	12.358	12.358	0.000	99	287732	10.0	9.76	
42 Ethyl acetate	88	12.379	12.379	0.000	97	52633	10.0	10.0	
44 Tetrahydrofuran	42	12.823	12.823	0.000	84	454792	10.0	10.5	
* 43 Chlorobromomethane	128	12.828	12.828	0.000	70	531575	10.0	10.0	
45 Chloroform	83	12.941	12.941	0.000	85	1193787	10.0	10.1	
46 Cyclohexane	84	13.240	13.240	0.000	76	877288	10.0	11.3	
47 1,1,1-Trichloroethane	97	13.246	13.246	0.000	92	1282526	10.0	10.4	
48 Carbon tetrachloride	117	13.502	13.502	0.000	89	1401218	10.0	10.4	
51 Isooctane	57	13.893	13.893	0.000	99	2499571	10.0	11.6	
50 Benzene	78	13.952	13.952	0.000	92	1900431	10.0	10.5	
52 1,2-Dichloroethane	62	14.112	14.112	0.000	92	649681	10.0	10.4	
53 n-Heptane	43	14.241	14.241	0.000	85	795696	10.0	11.5	
* 54 1,4-Difluorobenzene	114	14.711	14.711	0.000	91	2434430	10.0	10.0	
A 57 GRO	1	14.746	(6.661-22.832)		0	234338915	10.0	0	
55 n-Butanol	56	14.990	14.990	0.000	81	262991	10.0	10.6	
56 Trichloroethene	95	15.177	15.177	0.000	88	875625	10.0	10.7	
58 1,2-Dichloropropane	63	15.696	15.696	0.000	80	620433	10.0	10.5	
59 Methyl methacrylate	69	15.776	15.776	0.000	73	610598	10.0	10.6	
60 1,4-Dioxane	88	15.872	15.872	0.000	71	316948	10.0	10.2	
61 Dibromomethane	174	15.942	15.942	0.000	88	1055255	10.0	10.2	
62 Dichlorobromomethane	83	16.188	16.188	0.000	95	1320806	10.0	10.4	
A 63 TVOC as Toluene	92	16.605	(4.377-28.834)		0	420894540	10.0	2853.3	
64 cis-1,3-Dichloropropene	75	17.049	17.049	0.000	87	959996	10.0	11.3	
65 4-Methyl-2-pentanone (MIBK	43	17.279	17.279	0.000	92	1024167	10.0	11.3	
A 68 C8 Range	1	17.616	(17.566-17.666)		0	10575928	NC	NC	
69 n-Octane	43	17.616	17.616	0.000	72	1080971	10.0	12.1	
66 Toluene	92	17.622	17.622	0.000	93	1552451	10.0	11.2	
A 67 Toluene Range	92	17.622	(17.582-17.662)		0	10575928	10.0	76.5	
70 trans-1,3-Dichloropropene	75	18.157	18.157	0.000	91	966087	10.0	11.0	
71 1,1,2-Trichloroethane	83	18.520	18.520	0.000	94	692679	10.0	10.3	
72 Tetrachloroethene	166	18.665	18.665	0.000	90	1578505	10.0	10.6	
73 2-Hexanone	43	18.906	18.906	0.000	91	974085	10.0	11.2	
74 Chlorodibromomethane	129	19.280	19.280	0.000	97	1739747	10.0	10.6	
75 Ethylene Dibromide	107	19.564	19.564	0.000	99	1399031	10.0	10.7	
S 82 Xylenes, Total	106				0		30.0	34.2	
* 76 Chlorobenzene-d5	117	20.409	20.409	0.000	78	2283033	10.0	10.0	
77 Chlorobenzene	112	20.462	20.462	0.000	91	2252716	10.0	10.2	
78 Ethylbenzene	91	20.575	20.575	0.000	94	3224494	10.0	11.0	
79 n-Nonane	57	20.634	20.634	0.000	81	1213988	10.0	11.4	
80 m-Xylene & p-Xylene	106	20.794	20.794	0.000	0	2861117	20.0	22.7	
83 o-Xylene	106	21.511	21.511	0.000	97	1426285	10.0	11.5	
84 Styrene	104	21.548	21.548	0.000	98	2189922	10.0	11.7	
85 Bromoform	173	21.934	21.934	0.000	99	1918459	10.0	10.9	
86 Isopropylbenzene	105	22.073	22.073	0.000	93	3982500	10.0	11.6	
$ 87 4-Bromofluorobenzene	95	22.415	22.415	0.000	97	1467592	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.640	22.640	0.000	89	1886484	10.0	10.5	
90 N-Propylbenzene	91	22.709	22.709	0.000	96	4616614	10.0	11.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.741	22.741	0.000	84	1377535	10.0	10.4	
93 n-Decane	57	22.822	22.822	0.000	80	1666172	10.0	11.3	
91 4-Ethyltoluene	105	22.875	22.875	0.000	84	4134862	10.0	11.3	
92 2-Chlorotoluene	91	22.913	22.913	0.000	89	3243095	10.0	10.8	
94 1,3,5-Trimethylbenzene	105	22.971	22.971	0.000	80	3462050	10.0	11.3	
95 Alpha Methyl Styrene	118	23.319	23.319	0.000	91	1904601	10.0	12.1	
96 tert-Butylbenzene	119	23.442	23.442	0.000	92	3576321	10.0	11.5	
97 1,2,4-Trimethylbenzene	105	23.538	23.538	0.000	94	3542124	10.0	11.5	
98 sec-Butylbenzene	105	23.774	23.774	0.000	98	5185907	10.0	11.6	
99 4-Isopropyltoluene	119	23.977	23.977	0.000	83	4589896	10.0	11.9	
100 1,3-Dichlorobenzene	146	24.047	24.047	0.000	98	2778154	10.0	10.7	
101 1,4-Dichlorobenzene	146	24.191	24.191	0.000	96	2738674	10.0	11.0	
102 Benzyl chloride	91	24.400	24.400	0.000	99	2696918	10.0	11.5	
104 Undecane	57	24.587	24.587	0.000	90	1844882	10.0	11.7	
103 n-Butylbenzene	91	24.614	24.614	0.000	97	3863720	10.0	11.7	
105 1,2-Dichlorobenzene	146	24.801	24.801	0.000	99	2669607	10.0	10.8	
106 Dodecane	57	26.379	26.379	0.000	91	1566305	10.0	12.0	
107 1,2,4-Trichlorobenzene	180	27.674	27.674	0.000	92	2040454	10.0	10.9	
108 Hexachlorobutadiene	225	27.872	27.872	0.000	94	1840570	10.0	10.8	
109 Naphthalene	128	28.257	28.257	0.000	99	4068165	10.0	11.6	
110 1,2,3-Trichlorobenzene	180	28.824	28.824	0.000	94	1811637	10.0	11.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL4w_00392	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

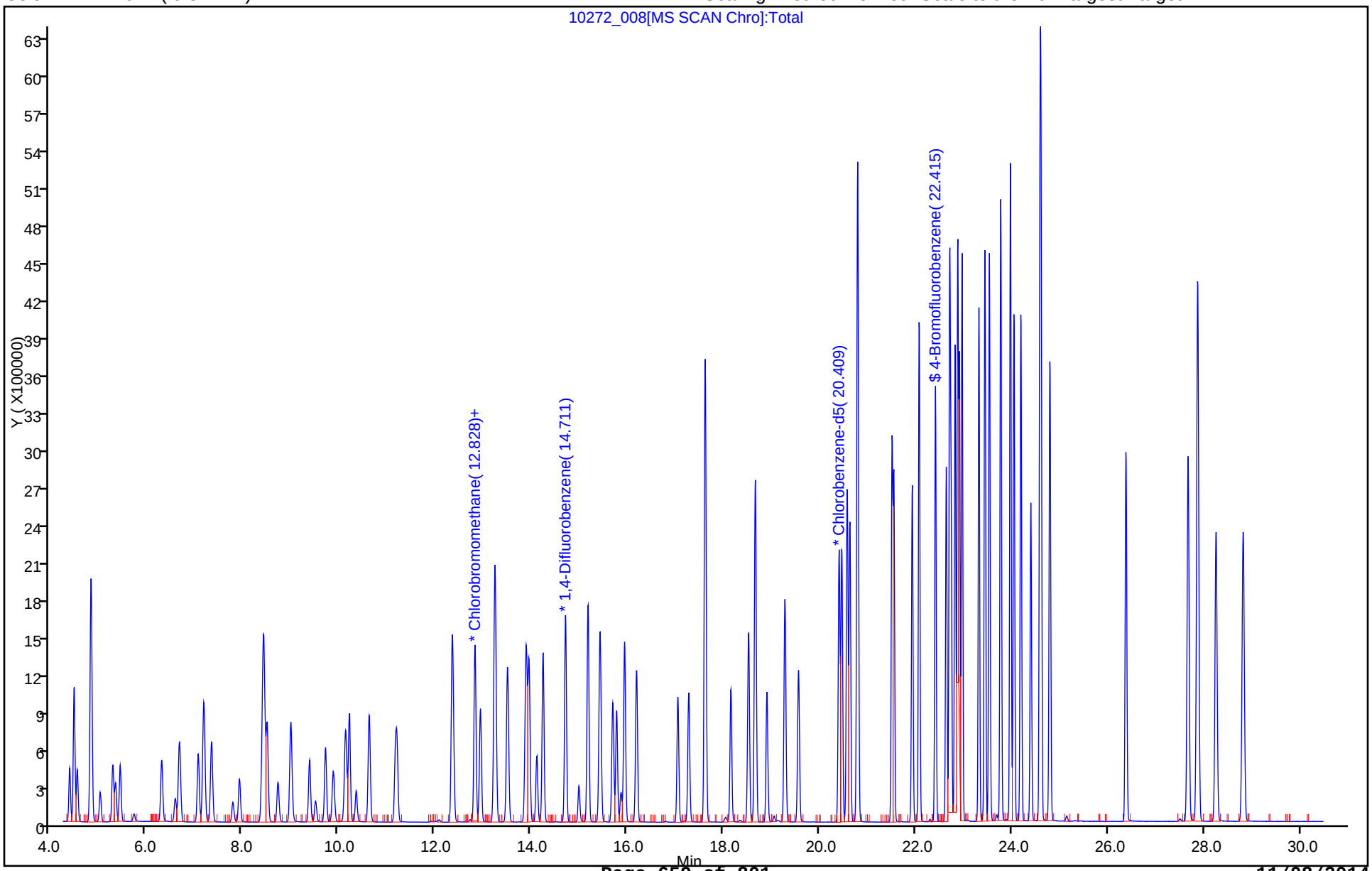
Report Date: 31-Oct-2014 07:42:18 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_008.d

Injection Date:	30-Oct-2014 16:49:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	ICIS			Worklist Smp#:	8
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_009.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 30-Oct-2014 17:39:30 ALS Bottle#: 6 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010272-009
Misc. Info.: IC
Operator ID: BPL Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 31-Oct-2014 08:17:56 Calib Date: 30-Oct-2014 19:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: lyonsb Date: 31-Oct-2014 06:42:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.387	4.376	0.011	98	723849	20.0	18.4	
2 Dichlorodifluoromethane	85	4.483	4.483	0.000	88	3431752	20.0	19.3	
6 Chlorodifluoromethane	51	4.547	4.553	-0.006	61	1534071	20.0	18.7	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.831	4.831	0.000	85	3408983	20.0	19.0	
8 Chloromethane	50	5.029	5.023	0.006	88	889042	20.0	18.7	
9 Butane	43	5.291	5.286	0.005	93	1327889	20.0	18.2	
10 Vinyl chloride	62	5.344	5.344	0.000	98	1114259	20.0	18.0	
11 Butadiene	54	5.441	5.440	0.001	91	744951	20.0	18.6	
12 Bromomethane	94	6.307	6.307	0.000	99	1187738	20.0	17.7	
13 BFB									
14 Chloroethane	64	6.591	6.585	0.006	95	655362	20.0	19.5	
15 2-Methylbutane	43	6.676	6.682	-0.006	90	1055741	20.0	19.5	
16 Vinyl bromide	106	7.067	7.067	0.000	91	1562527	20.0	20.9	
17 Trichlorofluoromethane	101	7.185	7.179	0.006	86	3460006	20.0	19.6	
18 Pentane	43	7.345	7.340	0.005	96	1563096	20.0	20.0	
19 Ethanol	45	7.789	7.800	-0.011	99	772616	40.0	37.7	
21 Ethyl ether	59	7.923	7.928	-0.005	88	753220	20.0	21.4	
22 Acrolein	56	8.383	8.388	-0.005	59	311128	20.0	20.6	
23 1,1,2-Trichloro-1,2,2-trif	101	8.426	8.426	0.000	93	2814363	20.0	19.7	
24 1,1-Dichloroethene	96	8.501	8.500	0.001	81	1405604	20.0	20.8	
25 Acetone	43	8.725	8.725	0.000	90	1283426	20.0	17.8	
26 Carbon disulfide	76	8.987	8.987	0.000	98	3264050	20.0	19.2	
27 Isopropyl alcohol	45	9.014	9.009	0.005	76	1149139	20.0	19.9	
29 3-Chloro-1-propene	41	9.383	9.383	0.000	87	1115384	20.0	21.2	
30 Acetonitrile	41	9.512	9.506	0.006	100	605848	20.0	20.1	
31 Methylene Chloride	49	9.715	9.715	0.000	75	1002918	20.0	18.8	
32 2-Methyl-2-propanol	59	9.881	9.875	0.006	99	1841502	20.0	20.5	
33 Methyl tert-butyl ether	73	10.138	10.132	0.006	94	3447393	20.0	22.3	
S 41 1,2-Dichloroethene, Total	61				0		40.0	41.7	
34 trans-1,2-Dichloroethene	61	10.212	10.212	0.000	84	1508178	20.0	20.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Acrylonitrile	53	10.352	10.351	0.001	97	715844	20.0	20.3	
36 Hexane	57	10.624	10.624	0.000	87	1641639	20.0	21.6	
37 1,1-Dichloroethane	63	11.175	11.175	0.000	99	1987196	20.0	19.7	
38 Vinyl acetate	43	11.213	11.207	0.006	99	2287768	20.0	20.7	
39 cis-1,2-Dichloroethene	96	12.347	12.347	0.000	85	1569536	20.0	21.3	
40 2-Butanone (MEK)	72	12.358	12.358	0.000	100	632976	20.0	19.0	
42 Ethyl acetate	88	12.379	12.379	0.000	96	123251	20.0	20.7	
44 Tetrahydrofuran	42	12.823	12.823	0.000	85	990368	20.0	20.6	
* 43 Chlorobromomethane	128	12.828	12.829	-0.001	56	600201	10.0	10.0	
45 Chloroform	83	12.941	12.941	0.000	91	2634536	20.0	19.8	
46 Cyclohexane	84	13.240	13.240	0.000	74	1942864	20.0	22.6	
47 1,1,1-Trichloroethane	97	13.251	13.246	0.005	96	2829493	20.0	20.6	
48 Carbon tetrachloride	117	13.503	13.502	0.001	88	3181946	20.0	21.3	
51 Isooctane	57	13.898	13.893	0.005	98	5341455	20.0	22.3	
50 Benzene	78	13.957	13.952	0.005	92	4129128	20.0	20.5	
52 1,2-Dichloroethane	62	14.112	14.112	0.000	91	1406475	20.0	20.2	
53 n-Heptane	43	14.246	14.252	-0.006	82	1660050	20.0	21.7	
* 54 1,4-Difluorobenzene	114	14.712	14.712	0.000	91	2705972	10.0	10.0	
A 57 GRO	1	14.746	(6.672-22.832)		0	507389944	20.0	0	
55 n-Butanol	56	14.990	14.990	0.000	83	565646	20.0	20.5	
56 Trichloroethene	95	15.182	15.177	0.005	87	1962001	20.0	21.5	
58 1,2-Dichloropropane	63	15.696	15.696	0.000	93	1356602	20.0	20.6	
59 Methyl methacrylate	69	15.782	15.776	0.006	73	1411226	20.0	21.9	
60 1,4-Dioxane	88	15.867	15.872	-0.005	71	683388	20.0	19.8	
61 Dibromomethane	174	15.947	15.947	0.000	86	2446187	20.0	21.4	
62 Dichlorobromomethane	83	16.193	16.188	0.005	94	2925755	20.0	20.7	
A 63 TVOC as Toluene	92	16.605	(4.366-28.834)		0	902342493	20.0	5503.3	
64 cis-1,3-Dichloropropene	75	17.049	17.049	0.000	82	2195480	20.0	23.3	
65 4-Methyl-2-pentanone (MIBK	43	17.279	17.279	0.000	91	2152399	20.0	21.3	
A 68 C8 Range	1	17.616	(17.566-17.666)		0	21411844	NC	NC	
69 n-Octane	43	17.616	17.616	0.000	71	2068592	20.0	20.8	
A 67 Toluene Range	92	17.622	(17.577-17.657)		0	21411844	20.0	140.4	
66 Toluene	92	17.627	17.617	0.010	94	3210827	20.0	21.0	
70 trans-1,3-Dichloropropene	75	18.157	18.157	0.000	92	2218949	20.0	22.7	
71 1,1,2-Trichloroethane	83	18.526	18.520	0.006	91	1543843	20.0	20.8	
72 Tetrachloroethene	166	18.665	18.665	0.000	89	3681777	20.0	22.4	
73 2-Hexanone	43	18.906	18.906	0.000	90	2048670	20.0	21.3	
74 Chlorodibromomethane	129	19.280	19.280	0.000	96	4001250	20.0	22.0	
75 Ethylene Dibromide	107	19.564	19.564	0.000	99	3168158	20.0	21.9	
S 82 Xylenes, Total	106				0		60.0	65.9	
* 76 Chlorobenzene-d5	117	20.409	20.409	0.000	78	2517365	10.0	10.0	
77 Chlorobenzene	112	20.463	20.462	0.001	91	5010842	20.0	20.6	
78 Ethylbenzene	91	20.575	20.586	-0.011	94	6985458	20.0	21.6	
79 n-Nonane	57	20.634	20.634	0.000	79	2486682	20.0	21.2	
80 m-Xylene & p-Xylene	106	20.794	20.789	0.005	0	5966823	40.0	43.0	
83 o-Xylene	106	21.511	21.511	0.000	97	3148518	20.0	23.0	
84 Styrene	104	21.549	21.548	0.000	97	4794361	20.0	23.3	
85 Bromoform	173	21.928	21.934	-0.006	98	4394092	20.0	22.6	
86 Isopropylbenzene	105	22.078	22.073	0.005	93	8456084	20.0	22.4	
$ 87 4-Bromofluorobenzene	95	22.415	22.415	0.000	97	1588937	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.640	22.640	0.000	92	4022577	20.0	20.4	
90 N-Propylbenzene	91	22.709	22.710	-0.001	98	9391442	20.0	21.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.741	22.741	0.000	77	2871426	20.0	19.8	
93 n-Decane	57	22.822	22.822	0.000	78	3267577	20.0	20.1	
91 4-Ethyltoluene	105	22.875	22.875	0.000	83	8596743	20.0	21.3	
92 2-Chlorotoluene	91	22.913	22.913	0.000	90	6949206	20.0	21.0	
94 1,3,5-Trimethylbenzene	105	22.972	22.971	0.001	81	7296964	20.0	21.6	
95 Alpha Methyl Styrene	118	23.319	23.314	0.005	90	4303313	20.0	24.7	
96 tert-Butylbenzene	119	23.448	23.448	0.000	92	7550929	20.0	21.9	
97 1,2,4-Trimethylbenzene	105	23.539	23.538	0.001	93	7444689	20.0	22.0	
98 sec-Butylbenzene	105	23.774	23.769	0.005	97	10511592	20.0	21.4	
99 4-Isopropyltoluene	119	23.977	23.977	0.000	81	9432232	20.0	22.1	
100 1,3-Dichlorobenzene	146	24.047	24.047	0.000	97	6086245	20.0	21.3	
101 1,4-Dichlorobenzene	146	24.191	24.191	0.000	96	6077301	20.0	22.1	
104 Undecane	57	24.587	24.587	0.000	87	3309522	20.0	19.1	
102 Benzyl chloride	91	24.400	24.614	-0.214	99	6069464	20.0	23.5	
103 n-Butylbenzene	91	24.614	24.614	0.000	97	7393210	20.0	20.3	
105 1,2-Dichlorobenzene	146	24.796	24.801	-0.005	98	5850758	20.0	21.4	
106 Dodecane	57	26.379	26.379	0.000	90	3151819	20.0	21.9	
107 1,2,4-Trichlorobenzene	180	27.674	27.674	0.000	92	4645009	20.0	22.5	
108 Hexachlorobutadiene	225	27.872	27.877	-0.005	94	4106157	20.0	21.9	
109 Naphthalene	128	28.257	28.257	0.000	99	8661077	20.0	22.4	
110 1,2,3-Trichlorobenzene	180	28.819	28.824	-0.005	93	4087058	20.0	23.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL6w_00095	Amount Added: 200.00	Units: ml	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

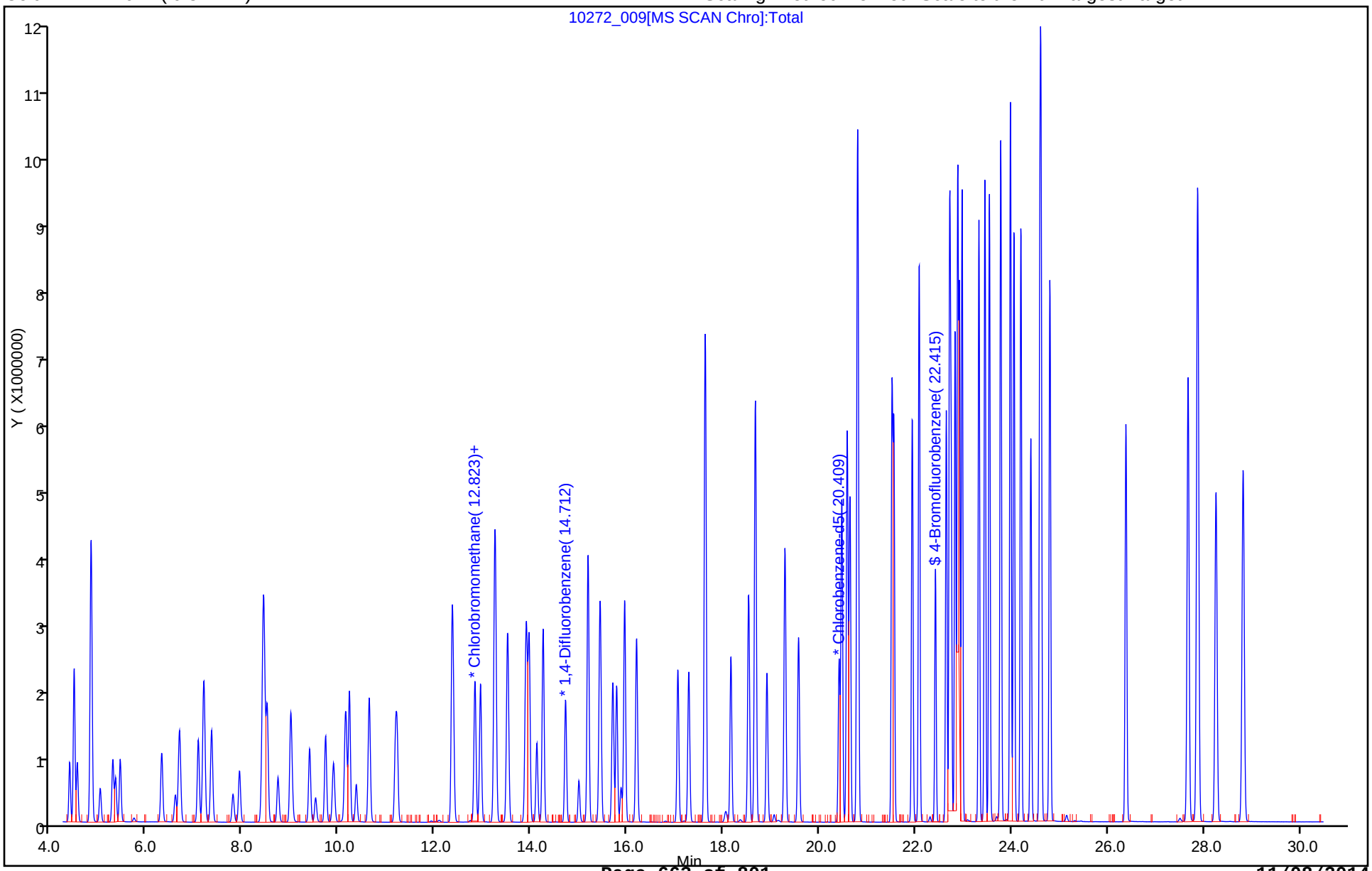
Report Date: 31-Oct-2014 08:17:56 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_009.d

Injection Date:	30-Oct-2014 17:39:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	IC			Worklist Smp#:	9
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_010.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 30-Oct-2014 18:28:30 ALS Bottle#: 7 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010272-010
Misc. Info.: IC
Operator ID: BPL Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 31-Oct-2014 08:17:58 Calib Date: 30-Oct-2014 19:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: lyonsb Date: 31-Oct-2014 06:51:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.392	4.376	0.016	98	514886	15.0	12.6	
2 Dichlorodifluoromethane	85	4.483	4.483	0.000	88	2550880	15.0	13.9	
6 Chlorodifluoromethane	51	4.547	4.553	-0.006	54	1102867	15.0	13.0	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.836	4.831	0.005	84	2538878	15.0	13.7	
8 Chloromethane	50	5.029	5.023	0.006	88	642349	15.0	13.1	
9 Butane	43	5.291	5.286	0.005	98	950101	15.0	12.6	
10 Vinyl chloride	62	5.344	5.344	0.000	81	819905	15.0	12.8	
11 Butadiene	54	5.441	5.440	0.001	91	546139	15.0	13.2	
12 Bromomethane	94	6.307	6.307	0.000	98	864576	15.0	12.5	
13 BFB									
14 Chloroethane	64	6.591	6.585	0.006	95	495405	15.0	14.2	
15 2-Methylbutane	43	6.676	6.682	-0.006	90	780691	15.0	14.0	
16 Vinyl bromide	106	7.067	7.067	0.000	96	1204493	15.0	15.6	
17 Trichlorofluoromethane	101	7.185	7.179	0.006	97	2630526	15.0	14.4	
18 Pentane	43	7.345	7.340	0.005	95	1154289	15.0	14.3	
19 Ethanol	45	7.789	7.800	-0.011	99	405623	20.0	19.2	
21 Ethyl ether	59	7.923	7.928	-0.005	88	572824	15.0	15.8	
22 Acrolein	56	8.383	8.388	-0.005	65	237246	15.0	15.2	
23 1,1,2-Trichloro-1,2,2-trif	101	8.426	8.426	0.000	93	2151336	15.0	14.5	
24 1,1-Dichloroethene	96	8.501	8.500	0.001	80	1076249	15.0	15.4	
25 Acetone	43	8.725	8.725	0.000	90	1040480	15.0	13.9	
26 Carbon disulfide	76	8.987	8.987	0.000	98	2729786	15.0	15.5	
27 Isopropyl alcohol	45	9.009	9.009	0.000	60	873901	15.0	14.6	
29 3-Chloro-1-propene	41	9.383	9.383	0.000	87	816649	15.0	15.0	
30 Acetonitrile	41	9.506	9.506	0.000	100	457018	15.0	14.7	
31 Methylene Chloride	49	9.715	9.715	0.000	74	737721	15.0	13.4	
32 2-Methyl-2-propanol	59	9.881	9.875	0.006	99	1419419	15.0	15.2	
33 Methyl tert-butyl ether	73	10.138	10.132	0.006	95	2656631	15.0	16.6	
S 41 1,2-Dichloroethene, Total	61				0		30.0	30.6	
34 trans-1,2-Dichloroethene	61	10.212	10.212	0.000	84	1132340	15.0	14.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Acrylonitrile	53	10.352	10.351	0.001	97	535731	15.0	14.7	
36 Hexane	57	10.624	10.624	0.000	86	1232725	15.0	15.7	
37 1,1-Dichloroethane	63	11.175	11.175	0.000	94	1499721	15.0	14.3	
38 Vinyl acetate	43	11.208	11.207	0.001	99	1701258	15.0	14.9	
39 cis-1,2-Dichloroethene	96	12.352	12.347	0.005	74	1206490	15.0	15.8	
40 2-Butanone (MEK)	72	12.352	12.358	-0.006	99	502305	15.0	14.6	
42 Ethyl acetate	88	12.374	12.379	-0.005	95	96681	15.0	15.7	
44 Tetrahydrofuran	42	12.823	12.823	0.000	85	747537	15.0	14.7	
* 43 Chlorobromomethane	128	12.834	12.829	0.005	52	620951	10.0	10.0	
45 Chloroform	83	12.941	12.941	0.000	85	2008368	15.0	14.6	
46 Cyclohexane	84	13.240	13.240	0.000	75	1489496	15.0	16.4	
47 1,1,1-Trichloroethane	97	13.246	13.246	0.000	92	2158030	15.0	14.9	
48 Carbon tetrachloride	117	13.508	13.502	0.006	88	2439028	15.0	15.4	
51 Isooctane	57	13.893	13.893	0.000	99	4070177	15.0	16.1	
50 Benzene	78	13.952	13.952	0.000	92	3154700	15.0	14.8	
52 1,2-Dichloroethane	62	14.118	14.112	0.006	98	1068428	15.0	14.5	
53 n-Heptane	43	14.246	14.252	-0.006	81	1258494	15.0	15.5	
* 54 1,4-Difluorobenzene	114	14.712	14.712	0.000	91	2864651	10.0	10.0	
A 57 GRO	1	14.746	(6.672-22.832)		0	392246876	15.0	0	
55 n-Butanol	56	14.990	14.990	0.000	80	428385	15.0	14.7	
56 Trichloroethene	95	15.182	15.177	0.005	87	1511993	15.0	15.7	
58 1,2-Dichloropropane	63	15.696	15.696	0.000	85	1035885	15.0	14.9	
59 Methyl methacrylate	69	15.776	15.776	0.000	73	1082329	15.0	15.9	
60 1,4-Dioxane	88	15.867	15.872	-0.005	70	552089	15.0	15.1	
61 Dibromomethane	174	15.942	15.947	-0.005	86	1921986	15.0	15.9	
62 Dichlorobromomethane	83	16.188	16.188	0.000	94	2231919	15.0	14.9	
A 63 TVOC as Toluene	92	16.605	(4.366-28.834)		0	706556167	15.0	4070.5	
64 cis-1,3-Dichloropropene	75	17.049	17.049	0.000	86	1687232	15.0	16.9	
65 4-Methyl-2-pentanone (MIBK	43	17.274	17.279	-0.005	91	1627100	15.0	15.2	
A 68 C8 Range	1	17.616	(17.566-17.666)		0	16709363	NC	NC	
69 n-Octane	43	17.616	17.616	0.000	70	1603851	15.0	15.2	
A 67 Toluene Range	92	17.622	(17.577-17.657)		0	16709363	15.0	104.7	
66 Toluene	92	17.622	17.617	0.005	94	2529055	15.0	15.8	
70 trans-1,3-Dichloropropene	75	18.157	18.157	0.000	89	1698170	15.0	16.4	
71 1,1,2-Trichloroethane	83	18.526	18.520	0.006	92	1184466	15.0	15.3	
72 Tetrachloroethene	166	18.665	18.665	0.000	88	2882044	15.0	16.8	
73 2-Hexanone	43	18.906	18.906	0.000	89	1553612	15.0	15.4	
74 Chlorodibromomethane	129	19.280	19.280	0.000	96	3104145	15.0	16.3	
75 Ethylene Dibromide	107	19.564	19.564	0.000	99	2459925	15.0	16.3	
S 82 Xylenes, Total	106				0		45.0	49.7	
* 76 Chlorobenzene-d5	117	20.409	20.409	0.000	79	2633354	10.0	10.0	
77 Chlorobenzene	112	20.463	20.462	0.000	97	3939060	15.0	15.4	
78 Ethylbenzene	91	20.575	20.586	-0.011	94	5460296	15.0	16.1	
79 n-Nonane	57	20.634	20.634	0.000	80	1920382	15.0	15.7	
80 m-Xylene & p-Xylene	106	20.794	20.789	0.005	0	4728486	30.0	32.5	
83 o-Xylene	106	21.511	21.511	0.000	97	2459452	15.0	17.2	
84 Styrene	104	21.549	21.548	0.000	98	3755319	15.0	17.5	
85 Bromoform	173	21.934	21.934	0.000	99	3456165	15.0	17.0	
86 Isopropylbenzene	105	22.073	22.073	0.000	93	6693649	15.0	17.0	
$ 87 4-Bromofluorobenzene	95	22.415	22.415	0.000	96	1637484	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.640	22.640	0.000	92	3133414	15.0	15.2	
90 N-Propylbenzene	91	22.709	22.710	-0.001	98	7508323	15.0	16.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.741	22.741	0.000	77	2239628	15.0	14.7	
93 n-Decane	57	22.822	22.822	0.000	78	2574439	15.0	15.1	
91 4-Ethyltoluene	105	22.881	22.875	0.006	83	6882431	15.0	16.3	
92 2-Chlorotoluene	91	22.913	22.913	0.000	90	5462367	15.0	15.8	
94 1,3,5-Trimethylbenzene	105	22.972	22.971	0.001	80	5801411	15.0	16.4	
95 Alpha Methyl Styrene	118	23.319	23.314	0.005	90	3305893	15.0	18.2	
96 tert-Butylbenzene	119	23.448	23.448	0.000	92	6002121	15.0	16.7	
97 1,2,4-Trimethylbenzene	105	23.539	23.538	0.001	93	5907205	15.0	16.7	
98 sec-Butylbenzene	105	23.774	23.769	0.005	98	8432340	15.0	16.4	
99 4-Isopropyltoluene	119	23.977	23.977	0.000	93	7594342	15.0	17.0	
100 1,3-Dichlorobenzene	146	24.052	24.047	0.005	98	4853588	15.0	16.2	
101 1,4-Dichlorobenzene	146	24.197	24.191	0.006	97	4846536	15.0	16.9	
104 Undecane	57	24.587	24.587	0.000	88	2696395	15.0	14.8	
102 Benzyl chloride	91	24.400	24.614	-0.214	99	4791634	15.0	17.7	
103 n-Butylbenzene	91	24.614	24.614	0.000	97	5965379	15.0	15.7	
105 1,2-Dichlorobenzene	146	24.801	24.801	0.000	99	4642152	15.0	16.2	
106 Dodecane	57	26.379	26.379	0.000	89	2595722	15.0	17.2	
107 1,2,4-Trichlorobenzene	180	27.674	27.674	0.000	91	3925486	15.0	18.1	
108 Hexachlorobutadiene	225	27.877	27.877	0.000	95	3294889	15.0	16.8	
109 Naphthalene	128	28.257	28.257	0.000	99	7959453	15.0	19.7	
110 1,2,3-Trichlorobenzene	180	28.819	28.824	-0.005	93	3529170	15.0	19.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL5w_00048	Amount Added: 200.00	Units: ml	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

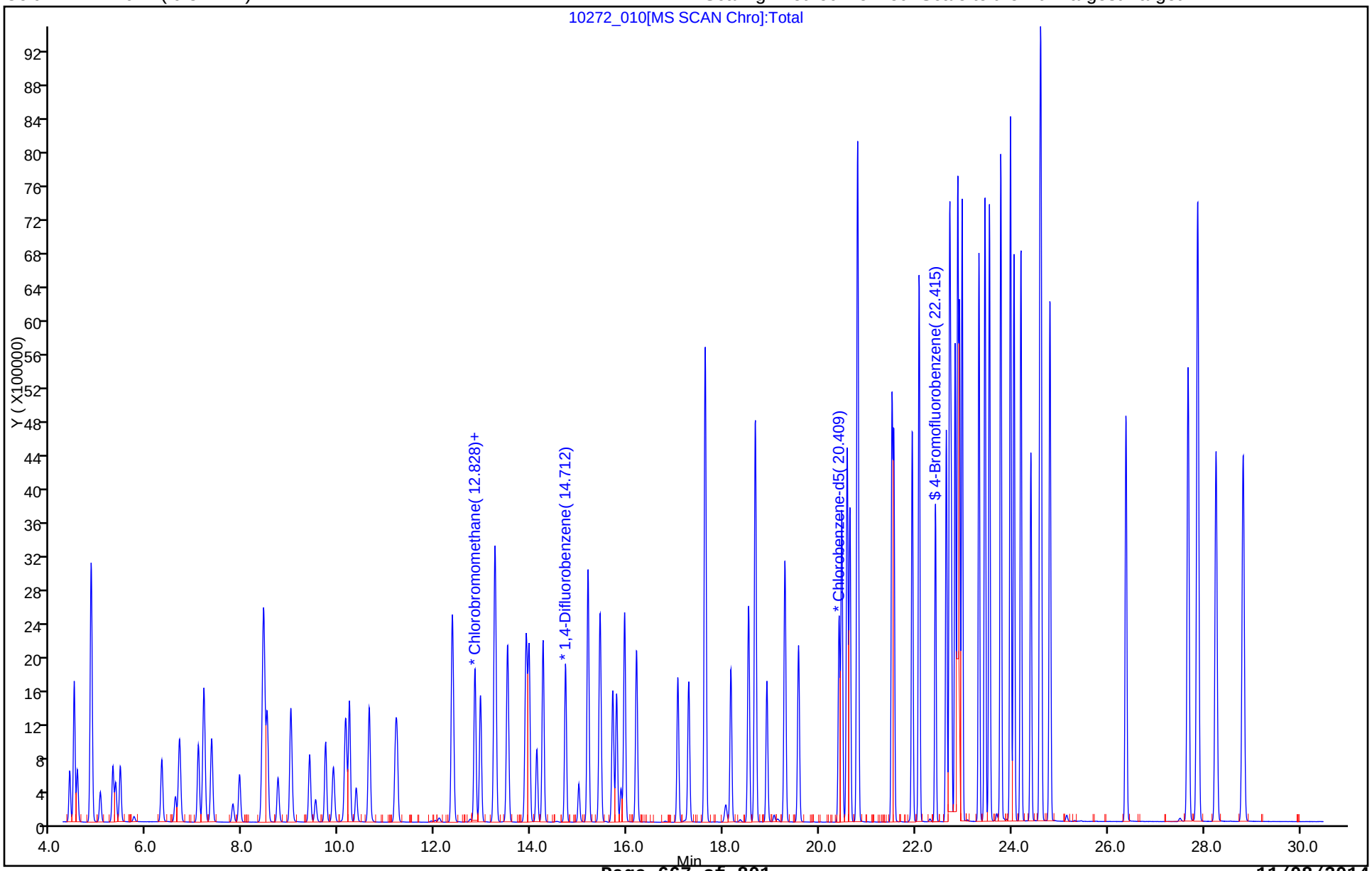
Report Date: 31-Oct-2014 08:17:58 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_010.d

Injection Date:	30-Oct-2014 18:28:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	IC			Worklist Smp#:	10
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_011.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 30-Oct-2014 19:16:30 ALS Bottle#: 8 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010272-011
Misc. Info.: IC
Operator ID: BPL Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 31-Oct-2014 08:18:02 Calib Date: 30-Oct-2014 19:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: lyonsb Date: 31-Oct-2014 06:51:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.403	4.376	0.027	98	1271512	40.0	30.0	
2 Dichlorodifluoromethane	85	4.494	4.483	0.011	87	6275216	40.0	32.8	
6 Chlorodifluoromethane	51	4.558	4.553	0.005	54	2731379	40.0	31.0	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.847	4.831	0.016	82	6091907	40.0	31.5	
8 Chloromethane	50	5.039	5.023	0.016	88	1612271	40.0	31.5	
9 Butane	43	5.301	5.286	0.015	74	2470045	40.0	31.4	
10 Vinyl chloride	62	5.360	5.344	0.016	83	2154649	40.0	32.3	
11 Butadiene	54	5.457	5.440	0.017	91	1442410	40.0	33.4	
12 Bromomethane	94	6.323	6.307	0.016	98	2260357	40.0	31.3	
13 BFB									
14 Chloroethane	64	6.607	6.585	0.022	96	1225066	40.0	33.8	
15 2-Methylbutane	43	6.698	6.682	0.016	89	1852271	40.0	31.8	
16 Vinyl bromide	106	7.083	7.067	0.016	99	3120603	40.0	38.8	
17 Trichlorofluoromethane	101	7.201	7.179	0.022	86	6692235	40.0	35.2	
18 Pentane	43	7.366	7.340	0.026	95	2805767	40.0	33.3	
19 Ethanol	45	7.832	7.800	0.032	99	1788444	100.0	81.1	
21 Ethyl ether	59	7.950	7.928	0.022	75	1449060	40.0	38.3	
22 Acrolein	56	8.415	8.388	0.027	46	567149	40.0	34.9	
23 1,1,2-Trichloro-1,2,2-trif	101	8.447	8.426	0.021	92	5327024	40.0	34.6	
24 1,1-Dichloroethene	96	8.522	8.500	0.022	78	2770024	40.0	38.0	
25 Acetone	43	8.757	8.725	0.032	91	2319972	40.0	29.9	
26 Carbon disulfide	76	9.009	8.987	0.022	98	6191287	40.0	33.8	
27 Isopropyl alcohol	45	9.052	9.009	0.043	98	2132589	40.0	34.3	
29 3-Chloro-1-propene	41	9.405	9.383	0.022	86	2044420	40.0	36.1	
30 Acetonitrile	41	9.533	9.506	0.027	100	1095167	40.0	33.7	
31 Methylene Chloride	49	9.736	9.715	0.021	72	1819146	40.0	31.7	
32 2-Methyl-2-propanol	59	9.918	9.875	0.043	99	3573577	40.0	36.9	
33 Methyl tert-butyl ether	73	10.159	10.132	0.027	94	6769473	40.0	40.7	
S 41 1,2-Dichloroethene, Total	61				0		80.0	72.8	
34 trans-1,2-Dichloroethene	61	10.234	10.212	0.022	71	2806529	40.0	35.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Acrylonitrile	53	10.378	10.351	0.027	96	1361622	40.0	35.9	
36 Hexane	57	10.646	10.624	0.022	86	3011679	40.0	36.9	
37 1,1-Dichloroethane	63	11.191	11.175	0.016	98	3685784	40.0	33.9	
38 Vinyl acetate	43	11.234	11.207	0.027	98	4078626	40.0	34.3	
39 cis-1,2-Dichloroethene	96	12.363	12.347	0.016	89	2981059	40.0	37.6	
40 2-Butanone (MEK)	72	12.379	12.358	0.021	100	1152166	40.0	32.1	
42 Ethyl acetate	88	12.400	12.379	0.021	97	241057	40.0	37.6	
44 Tetrahydrofuran	42	12.839	12.823	0.016	82	1780231	40.0	34.0	
* 43 Chlorobromomethane	128	12.850	12.829	0.021	57	646373	10.0	10.0	
45 Chloroform	83	12.957	12.941	0.016	98	5091638	40.0	35.5	
46 Cyclohexane	84	13.251	13.240	0.011	73	3576402	40.0	38.2	
47 1,1,1-Trichloroethane	97	13.267	13.246	0.021	91	5438743	40.0	36.4	
48 Carbon tetrachloride	117	13.519	13.502	0.017	97	6310065	40.0	38.7	
51 Isooctane	57	13.909	13.893	0.016	99	9351231	40.0	35.9	
50 Benzene	78	13.968	13.952	0.016	92	7665146	40.0	35.0	
52 1,2-Dichloroethane	62	14.128	14.112	0.016	97	2690345	40.0	35.5	
53 n-Heptane	43	14.257	14.252	0.005	78	2838188	40.0	34.0	
* 54 1,4-Difluorobenzene	114	14.728	14.712	0.016	91	2947236	10.0	10.0	
A 57 GRO	1	14.746	(6.672-22.832)		0	914460596	40.0	0	
55 n-Butanol	56	15.006	14.990	0.016	81	1122966	40.0	37.4	
56 Trichloroethene	95	15.193	15.177	0.016	90	3794203	40.0	38.2	
58 1,2-Dichloropropane	63	15.707	15.696	0.011	84	2506095	40.0	35.0	
59 Methyl methacrylate	69	15.787	15.776	0.011	67	2690703	40.0	38.4	
60 1,4-Dioxane	88	15.883	15.872	0.011	69	1345444	40.0	35.9	
61 Dibromomethane	174	15.953	15.947	0.006	84	4961745	40.0	39.8	
62 Dichlorobromomethane	83	16.199	16.188	0.011	93	5548841	40.0	36.1	
A 63 TVOC as Toluene	92	16.605	(4.366-28.834)		0	1575162267	40.0	8820.3	
64 cis-1,3-Dichloropropene	75	17.060	17.049	0.011	85	4266242	40.0	41.5	
65 4-Methyl-2-pentanone (MIBK	43	17.290	17.279	0.011	88	3765959	40.0	34.2	
A 68 C8 Range	1	17.616	(17.566-17.666)		0	35111344	NC	NC	
69 n-Octane	43	17.622	17.616	0.006	69	3126709	40.0	28.9	
A 67 Toluene Range	92	17.622	(17.577-17.657)		0	35111344	40.0	215.0	
66 Toluene	92	17.633	17.617	0.015	94	5424861	40.0	33.2	
70 trans-1,3-Dichloropropene	75	18.162	18.157	0.005	88	4301209	40.0	40.4	
71 1,1,2-Trichloroethane	83	18.531	18.520	0.011	90	2896441	40.0	36.5	
72 Tetrachloroethene	166	18.670	18.665	0.005	93	7116298	40.0	40.5	
73 2-Hexanone	43	18.916	18.906	0.010	87	3577979	40.0	34.7	
74 Chlorodibromomethane	129	19.291	19.280	0.011	97	7683923	40.0	39.5	
75 Ethylene Dibromide	107	19.569	19.564	0.005	99	6116941	40.0	39.6	
S 82 Xylenes, Total	106				0		120.0	102.5	
* 76 Chlorobenzene-d5	117	20.414	20.409	0.005	66	2694856	10.0	10.0	
77 Chlorobenzene	112	20.468	20.462	0.006	91	9328736	40.0	35.7	
78 Ethylbenzene	91	20.580	20.586	-0.006	81	12236038	40.0	35.3	
79 n-Nonane	57	20.639	20.634	0.005	77	4005052	40.0	31.9	
80 m-Xylene & p-Xylene	106	20.800	20.789	0.011	0	9592539	80.0	64.5	
83 o-Xylene	106	21.516	21.511	0.005	97	5566079	40.0	38.0	
84 Styrene	104	21.554	21.548	0.006	96	8393943	40.0	38.1	
85 Bromoform	173	21.934	21.934	0.000	98	7890991	40.0	38.0	
86 Isopropylbenzene	105	22.078	22.073	0.005	93	14110395	40.0	34.9	
$ 87 4-Bromofluorobenzene	95	22.415	22.415	0.000	96	1659180	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.640	22.640	0.000	87	6788775	40.0	32.1	
90 N-Propylbenzene	91	22.715	22.710	0.005	96	14462963	40.0	30.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.747	22.741	0.006	76	4708050	40.0	30.3	
93 n-Decane	57	22.827	22.822	0.005	77	4854428	40.0	27.9	
91 4-Ethyltoluene	105	22.881	22.875	0.006	79	13676296	40.0	31.6	
92 2-Chlorotoluene	91	22.918	22.913	0.005	89	11500991	40.0	32.5	
94 1,3,5-Trimethylbenzene	105	22.972	22.971	0.001	81	12191836	40.0	33.7	
95 Alpha Methyl Styrene	118	23.325	23.314	0.011	89	7807416	40.0	41.9	
96 tert-Butylbenzene	119	23.448	23.448	0.000	90	12790704	40.0	34.7	
97 1,2,4-Trimethylbenzene	105	23.539	23.538	0.001	92	12586768	40.0	34.7	
98 sec-Butylbenzene	105	23.774	23.769	0.005	95	16761680	40.0	31.9	
99 4-Isopropyltoluene	119	23.977	23.977	0.000	89	15351599	40.0	33.6	
100 1,3-Dichlorobenzene	146	24.052	24.047	0.005	96	10856277	40.0	35.5	
101 1,4-Dichlorobenzene	146	24.197	24.191	0.006	95	10923348	40.0	37.2	
104 Undecane	57	24.587	24.587	0.000	85	4481098	40.0	24.1	
102 Benzyl chloride	91	24.400	24.614	-0.214	98	11136196	40.0	40.3	
103 n-Butylbenzene	91	24.619	24.614	0.005	96	11054003	40.0	28.4	
105 1,2-Dichlorobenzene	146	24.801	24.801	0.000	97	10667582	40.0	36.4	
106 Dodecane	57	26.385	26.379	0.006	89	1868524	40.0	12.1	
107 1,2,4-Trichlorobenzene	180	27.674	27.674	0.000	92	8731615	40.0	39.4	
108 Hexachlorobutadiene	225	27.877	27.877	0.000	94	6446574	40.0	32.2	
109 Naphthalene	128	28.257	28.257	0.000	98	16144895	40.0	39.0	
110 1,2,3-Trichlorobenzene	180	28.824	28.824	0.000	93	6469334	40.0	35.4	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL7w_00049	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

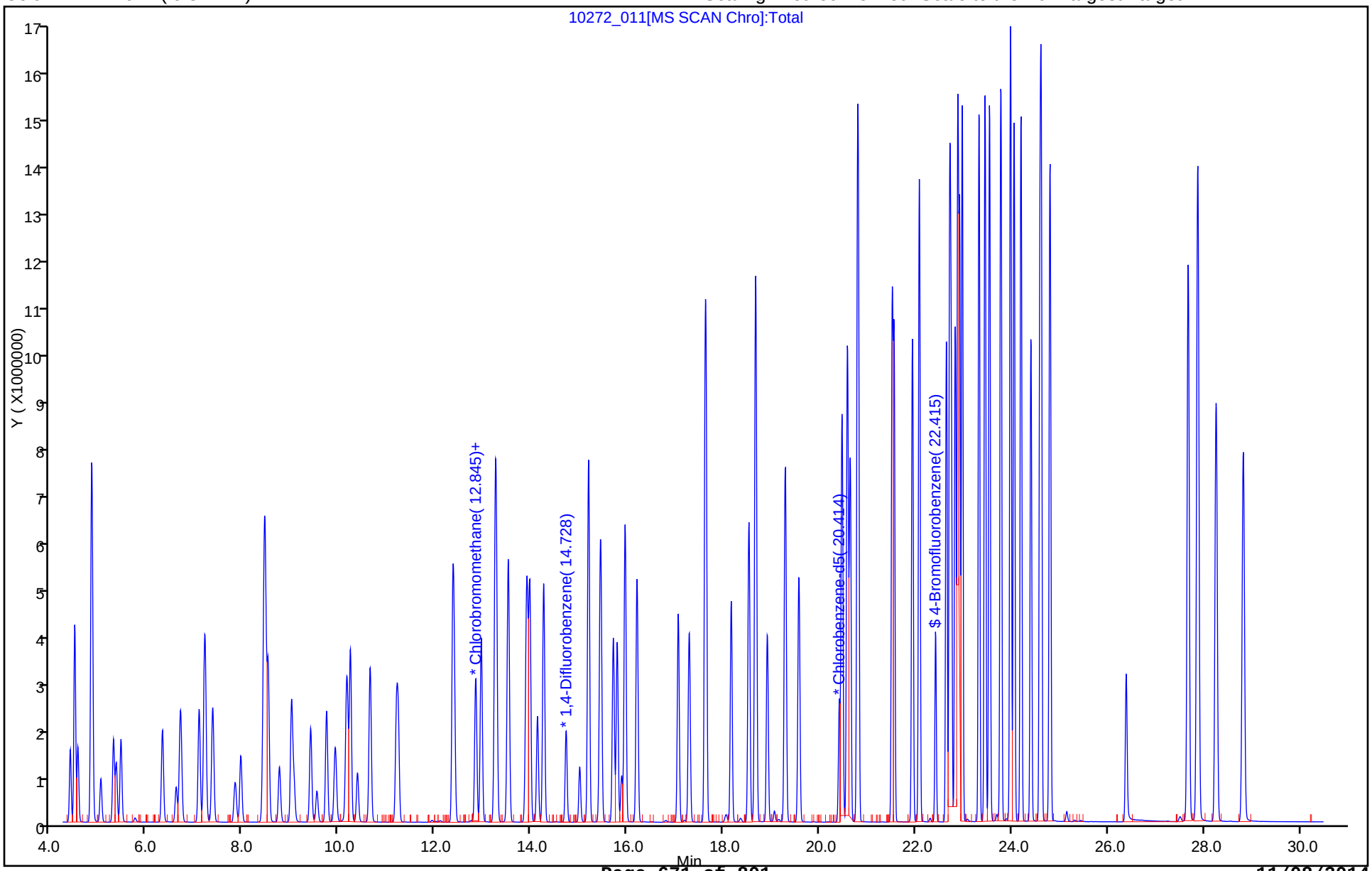
Report Date: 31-Oct-2014 08:18:02 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_011.d

Injection Date:	30-Oct-2014 19:16:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	IC			Worklist Smp#:	11
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Lab Sample ID: ICV 200-79551/13 Calibration Date: 10/30/2014 00:59

Instrument ID: CHC.i Calib Start Date: 10/29/2014 17:07

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 10/29/2014 22:37

Lab File ID: 10262_13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5681	0.4914		8.65	10.0	-13.5	30.0
Dichlorodifluoromethane	Ave	4.267	4.017		9.41	10.0	-5.9	30.0
Freon 22	Ave	1.796	1.609		8.95	10.0	-10.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.254	3.446		10.6	10.0	5.9	30.0
Chloromethane	Ave	0.6767	0.5962		8.81	10.0	-11.9	30.0
n-Butane	Ave	1.174	1.078		9.18	10.0	-8.1	30.0
Vinyl chloride	Ave	0.9167	0.8696		9.48	10.0	-5.1	30.0
1,3-Butadiene	Ave	0.6379	0.6001		9.41	10.0	-5.9	30.0
Bromomethane	Ave	1.193	1.167		9.78	10.0	-2.1	30.0
Chloroethane	Ave	0.4884	0.4469		9.15	10.0	-8.5	30.0
Isopentane	Ave	0.8796	0.8426		9.58	10.0	-4.2	30.0
Bromoethene(Vinyl Bromide)	Ave	1.058	1.027		9.71	10.0	-2.9	30.0
Trichlorofluoromethane	Ave	4.475	4.170		9.32	10.0	-6.8	30.0
n-Pentane	Ave	1.005	1.042		10.4	10.0	3.7	30.0
Ethanol	Ave	0.2481	0.2002		12.1	15.0	-19.3	30.0
Ethyl ether	Ave	0.4761	0.5416		11.4	10.0	13.8	30.0
Acrolein	Ave	0.1928	0.2274		11.8	10.0	17.9	30.0
Freon TF	Ave	2.272	2.222		9.78	10.0	-2.2	30.0
1,1-Dichloroethene	Ave	0.9135	0.9157		10.0	10.0	0.2	30.0
Acetone	Ave	1.335	1.223		9.16	10.0	-8.4	30.0
Carbon disulfide	Ave	2.196	2.415		11.0	10.0	10.0	30.0
Isopropyl alcohol	Ave	0.8492	0.7016		8.26	10.0	-17.4	30.0
3-Chloropropene	Ave	0.7604	0.7136		9.38	10.0	-6.2	30.0
Acetonitrile	Ave	0.3683	0.3716		10.1	10.0	0.9	30.0
Methylene Chloride	Ave	0.9419	0.8587		9.12	10.0	-8.8	30.0
tert-Butyl alcohol	Ave	1.691	1.541		9.11	10.0	-8.9	30.0
Methyl tert-butyl ether	Ave	2.905	3.017		10.4	10.0	3.8	30.0
trans-1,2-Dichloroethene	Ave	1.283	1.353		10.5	10.0	5.5	30.0
Acrylonitrile	Ave	0.4302	0.4457		10.4	10.0	3.6	30.0
n-Hexane	Ave	0.9556	1.067		11.2	10.0	11.7	30.0
1,1-Dichloroethane	Ave	1.541	1.500		9.74	10.0	-2.6	30.0
Vinyl acetate	Ave	1.753	1.677		9.56	10.0	-4.3	30.0
cis-1,2-Dichloroethene	Ave	0.9195	0.9437		10.3	10.0	2.6	30.0
Methyl Ethyl Ketone	Ave	0.3657	0.3596		9.83	10.0	-1.7	30.0
Ethyl acetate	Ave	0.0667	0.0730		10.9	10.0	9.5	30.0
Tetrahydrofuran	Ave	0.1519	0.1492		9.82	10.0	-1.8	30.0
Chloroform	Ave	2.373	2.373		10.0	10.0	-0.0	30.0
Cyclohexane	Ave	0.2563	0.2691		10.5	10.0	5.0	30.0
1,1,1-Trichloroethane	Ave	0.8005	0.7899		9.87	10.0	-1.3	30.0
Carbon tetrachloride	Ave	0.9645	0.9440		9.79	10.0	-2.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Lab Sample ID: ICV 200-79551/13 Calibration Date: 10/30/2014 00:59

Instrument ID: CHC.i Calib Start Date: 10/29/2014 17:07

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 10/29/2014 22:37

Lab File ID: 10262_13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.7171	0.7404		10.3	10.0	3.2	30.0
Benzene	Ave	0.5445	0.5495		10.1	10.0	0.9	30.0
1,2-Dichloroethane	Ave	0.4684	0.4540		9.69	10.0	-3.1	30.0
n-Heptane	Ave	0.2459	0.2508		10.2	10.0	2.0	30.0
n-Butanol	Ave	0.0694	0.0672		9.68	10.0	-3.1	30.0
Trichloroethene	Ave	0.2870	0.3199		11.1	10.0	11.5	30.0
1,2-Dichloropropane	Ave	0.1586	0.1604		10.1	10.0	1.2	30.0
Methyl methacrylate	Ave	0.1713	0.1799		10.5	10.0	5.0	30.0
1,4-Dioxane	Ave	0.0804	0.0719		8.94	10.0	-10.6	30.0
Dibromomethane	Ave	0.3749	0.3921		10.5	10.0	4.6	30.0
Bromodichloromethane	Ave	0.6348	0.6401		10.1	10.0	0.8	30.0
cis-1,3-Dichloropropene	Ave	0.3247	0.3371		10.4	10.0	3.8	30.0
methyl isobutyl ketone	Ave	0.3936	0.3818		9.70	10.0	-3.0	30.0
Toluene	Ave	0.4201	0.4373		10.4	10.0	4.1	30.0
n-Octane	Ave	0.3555	0.3613		10.2	10.0	1.6	30.0
trans-1,3-Dichloropropene	Ave	0.4227	0.4306		10.2	10.0	1.9	30.0
1,1,2-Trichloroethane	Ave	0.2043	0.2154		10.5	10.0	5.4	30.0
Tetrachloroethene	Ave	0.6064	0.6384		10.5	10.0	5.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4247	0.4105		9.66	10.0	-3.3	30.0
Dibromochloromethane	Ave	0.7316	0.7580		10.4	10.0	3.6	30.0
1,2-Dibromoethane	Ave	0.4706	0.5013		10.7	10.0	6.5	30.0
Chlorobenzene	Ave	0.6653	0.6865		10.3	10.0	3.2	30.0
Ethylbenzene	Ave	1.095	1.155		10.5	10.0	5.4	30.0
n-Nonane	Ave	0.3741	0.3876		10.4	10.0	3.6	30.0
m,p-Xylene	Ave	0.4292	0.4494		20.9	20.0	4.7	30.0
Xylene, o-	Ave	0.4093	0.4296		10.5	10.0	5.0	30.0
Styrene	Ave	0.5879	0.6599		11.2	10.0	12.2	30.0
Bromoform	Ave	0.8729	0.9312		10.7	10.0	6.7	30.0
Cumene	Ave	1.353	1.422		10.5	10.0	5.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5587	0.5694		10.2	10.0	1.9	30.0
n-Propylbenzene	Ave	1.590	1.660		10.4	10.0	4.5	30.0
1,2,3-Trichloropropane	Ave	0.5641	0.5472		9.70	10.0	-3.0	30.0
n-Decane	Ave	0.5712	0.5420		9.49	10.0	-5.1	30.0
4-Ethyltoluene	Ave	1.465	1.585		10.8	10.0	8.2	30.0
2-Chlorotoluene	Ave	1.315	1.334		10.1	10.0	1.4	30.0
1,3,5-Trimethylbenzene	Ave	1.219	1.291		10.6	10.0	5.9	30.0
Alpha Methyl Styrene	Ave	0.5179	0.5949		11.5	10.0	14.9	30.0
tert-Butylbenzene	Ave	1.209	1.265		10.5	10.0	4.6	30.0
1,2,4-Trimethylbenzene	Ave	1.230	1.288		10.5	10.0	4.7	30.0
sec-Butylbenzene	Ave	1.603	1.686		10.5	10.0	5.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Lab Sample ID: ICV 200-79551/13 Calibration Date: 10/30/2014 00:59

Instrument ID: CHC.i Calib Start Date: 10/29/2014 17:07

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 10/29/2014 22:37

Lab File ID: 10262_13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.535	1.634		10.6	10.0	6.5	30.0
1,3-Dichlorobenzene	Ave	0.9339	0.9893		10.6	10.0	5.9	30.0
1,4-Dichlorobenzene	Ave	0.9292	0.9926		10.7	10.0	6.8	30.0
Benzyl chloride	Ave	1.078	0.997		9.24	10.0	-7.6	30.0
n-Butylbenzene	Ave	1.388	1.412		10.2	10.0	1.8	30.0
n-Undecane	Ave	0.6193	0.6006		9.70	10.0	-3.0	30.0
1,2-Dichlorobenzene	Ave	0.8649	0.9103		10.5	10.0	5.2	30.0
n-Dodecane	Ave	0.6123	0.6103		9.97	10.0	-0.3	30.0
1,2,4-Trichlorobenzene	Ave	0.9430	0.9832		10.4	10.0	4.3	30.0
Hexachlorobutadiene	Ave	1.269	1.262		9.95	10.0	-0.5	30.0
Naphthalene	Ave	1.340	1.467		10.9	10.0	9.4	30.0
1,2,3-Trichlorobenzene	Ave	0.8608	0.8942		10.4	10.0	3.9	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_13.D
Lims ID: icv
Client ID:
Sample Type: ICV
Inject. Date: 30-Oct-2014 00:59:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010262-013
Misc. Info.: icv
Operator ID: pad Instrument ID: CHC.i
Sublist:

Method: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 31-Oct-2014 10:54:38 Calib Date: 29-Oct-2014 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: lyonsb Date: 31-Oct-2014 08:31:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.991	2.991	0.000	94	79266	10.0	8.65	
2 Dichlorodifluoromethane	85	3.065	3.060	0.005	99	647948	10.0	9.41	
6 Chlorodifluoromethane	51	3.119	3.119	0.000	94	259499	10.0	8.95	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.338	3.332	0.006	93	555845	10.0	10.6	
8 Chloromethane	50	3.476	3.476	0.000	98	96181	10.0	8.81	
9 Butane	43	3.679	3.679	0.000	93	173944	10.0	9.18	
10 Vinyl chloride	62	3.727	3.727	0.000	98	140282	10.0	9.48	
11 Butadiene	54	3.807	3.807	0.000	94	96809	10.0	9.41	
12 Bromomethane	94	4.512	4.512	0.000	97	188316	10.0	9.78	
13 Chloroethane	64	4.763	4.757	0.006	98	72085	10.0	9.15	
14 2-Methylbutane	43	4.837	4.837	0.000	84	135920	10.0	9.58	
18 BFB									
15 Vinyl bromide	106	5.163	5.163	0.000	97	165667	10.0	9.71	
16 Trichlorofluoromethane	101	5.270	5.269	0.001	99	672725	10.0	9.32	
17 Pentane	43	5.419	5.419	0.000	87	168095	10.0	10.4	
19 Ethanol	45	5.915	5.915	0.000	98	48453	15.0	12.1	
21 Ethyl ether	59	5.969	5.969	0.000	92	87367	10.0	11.4	
22 Acrolein	56	6.374	6.374	0.000	97	36684	10.0	11.8	
23 1,1,2-Trichloro-1,2,2-trif	101	6.390	6.390	0.000	91	358442	10.0	9.78	
24 1,1-Dichloroethene	96	6.428	6.428	0.000	98	147724	10.0	10.0	
25 Acetone	43	6.700	6.700	0.000	84	197342	10.0	9.16	
26 Carbon disulfide	76	6.807	6.806	0.001	99	389547	10.0	11.0	
27 Isopropyl alcohol	45	7.031	7.036	-0.005	96	113172	10.0	8.26	
29 3-Chloro-1-propene	41	7.244	7.249	-0.005	75	115111	10.0	9.38	
30 Acetonitrile	41	7.404	7.404	0.000	96	59938	10.0	10.1	
31 Methylene Chloride	49	7.554	7.554	0.000	89	138529	10.0	9.12	
32 2-Methyl-2-propanol	59	7.826	7.815	0.011	97	248640	10.0	9.11	
33 Methyl tert-butyl ether	73	7.970	7.970	0.000	94	486630	10.0	10.4	
34 trans-1,2-Dichloroethene	61	7.997	7.997	0.000	92	218274	10.0	10.5	
35 Acrylonitrile	53	8.178	8.178	0.000	93	71896	10.0	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 Hexane	57	8.386	8.386	0.000	86	172122	10.0	11.2	
37 1,1-Dichloroethane	63	8.893	8.893	0.000	98	242013	10.0	9.74	
38 Vinyl acetate	43	8.995	8.989	0.006	99	270511	10.0	9.56	
39 cis-1,2-Dichloroethene	96	10.035	10.035	0.000	98	152233	10.0	10.3	
40 2-Butanone (MEK)	72	10.110	10.105	0.005	97	58005	10.0	9.83	
42 Ethyl acetate	88	10.153	10.153	0.000	99	11771	10.0	10.9	
S 41 1,2-Dichloroethene, Total	61				0		20.0	20.8	
* 43 Chlorobromomethane	128	10.510	10.510	0.000	70	161348	10.0	10.0	
44 Tetrahydrofuran	42	10.521	10.521	0.000	79	100429	10.0	9.82	
45 Chloroform	83	10.649	10.654	-0.005	98	382793	10.0	10.0	
46 Cyclohexane	84	10.879	10.868	0.011	87	181135	10.0	10.5	
47 1,1,1-Trichloroethane	97	10.911	10.916	-0.005	96	531619	10.0	9.87	
48 Carbon tetrachloride	117	11.162	11.161	0.001	98	635311	10.0	9.79	
51 Isooctane	57	11.610	11.610	0.000	94	498308	10.0	10.3	
50 Benzene	78	11.642	11.642	0.000	98	369802	10.0	10.1	
52 1,2-Dichloroethane	62	11.845	11.844	0.001	98	305521	10.0	9.69	
53 n-Heptane	43	12.010	12.015	-0.005	78	168764	10.0	10.2	
* 54 1,4-Difluorobenzene	114	12.517	12.517	0.000	95	673152	10.0	10.0	
55 n-Butanol	56	12.960	12.955	0.005	47	45234	10.0	9.68	
56 Trichloroethene	95	12.976	12.976	0.000	93	215273	10.0	11.1	
A 57 GRO	1	13.139	(4.827-21.450)		0	61939522	10.0	0	
58 1,2-Dichloropropane	63	13.558	13.558	0.000	65	107958	10.0	10.1	
59 Methyl methacrylate	69	13.745	13.744	0.001	83	121061	10.0	10.5	
60 1,4-Dioxane	88	13.803	13.803	0.000	91	48404	10.0	8.94	
61 Dibromomethane	174	13.819	13.819	0.000	88	263906	10.0	10.5	
62 Dichlorobromomethane	83	14.124	14.123	0.001	98	430789	10.0	10.1	
A 63 TVOC as Toluene	1	14.844	(2.981-26.707)		0	123703249	10.0	4374.4	
64 cis-1,3-Dichloropropene	75	15.074	15.073	0.001	92	226904	10.0	10.4	
65 4-Methyl-2-pentanone (MIBK	43	15.378	15.378	0.000	94	256935	10.0	9.70	
A 67 Toluene Range	1	15.660	(15.620-15.700)		0	1361065	NC	NC	
66 Toluene	92	15.661	15.660	0.001	92	281293	10.0	10.4	
68 n-Octane	43	15.719	15.719	0.000	78	243191	10.0	10.2	
A 69 C8 Range	1	15.951	(15.718-16.219)		0	1223874	NC	NC	
70 trans-1,3-Dichloropropene	75	16.280	16.279	0.001	94	289771	10.0	10.2	
71 1,1,2-Trichloroethane	83	16.648	16.653	-0.005	84	138554	10.0	10.5	
72 Tetrachloroethene	166	16.739	16.738	0.001	94	410657	10.0	10.5	
73 2-Hexanone	43	17.112	17.112	0.000	95	264066	10.0	9.66	
74 Chlorodibromomethane	129	17.411	17.411	0.000	97	487576	10.0	10.4	
75 Ethylene Dibromide	107	17.673	17.672	0.001	97	322454	10.0	10.7	
* 76 Chlorobenzene-d5	117	18.569	18.569	0.000	91	643357	10.0	10.0	
77 Chlorobenzene	112	18.628	18.628	0.000	90	441569	10.0	10.3	
78 Ethylbenzene	91	18.783	18.782	0.001	99	742980	10.0	10.5	
79 n-Nonane	57	18.905	18.905	0.000	84	249325	10.0	10.4	
81 m-Xylene & p-Xylene	106	19.034	19.033	0.001	0	578121	20.0	20.9	
83 o-Xylene	106	19.871	19.871	0.000	92	276327	10.0	10.5	
84 Styrene	104	19.925	19.925	0.000	90	424477	10.0	11.2	
S 82 Xylenes, Total	106				0		30.0	31.4	
85 Bromoform	173	20.346	20.346	0.000	97	598980	10.0	10.7	
86 Isopropylbenzene	105	20.549	20.549	0.000	98	914625	10.0	10.5	
88 1,1,2,2-Tetrachloroethane	83	21.206	21.205	0.001	89	366258	10.0	10.2	
90 N-Propylbenzene	91	21.264	21.264	0.000	98	1067964	10.0	10.4	
89 1,2,3-Trichloropropane	75	21.296	21.296	0.000	90	351964	10.0	9.70	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.440	21.440	0.000	80	348655	10.0	9.49	
91 4-Ethyltoluene	105	21.451	21.451	0.000	97	1019457	10.0	10.8	
92 2-Chlorotoluene	91	21.456	21.456	0.000	95	858093	10.0	10.1	
94 1,3,5-Trimethylbenzene	105	21.558	21.558	0.000	91	830459	10.0	10.6	
95 Alpha Methyl Styrene	118	21.921	21.921	0.000	85	382679	10.0	11.5	
96 tert-Butylbenzene	119	22.044	22.043	0.001	89	813616	10.0	10.5	
97 1,2,4-Trimethylbenzene	105	22.140	22.139	0.001	98	828632	10.0	10.5	
98 sec-Butylbenzene	105	22.364	22.364	0.000	95	1084348	10.0	10.5	
99 4-Isopropyltoluene	119	22.567	22.566	0.001	95	1050873	10.0	10.6	
100 1,3-Dichlorobenzene	146	22.593	22.593	0.000	93	636348	10.0	10.6	
101 1,4-Dichlorobenzene	146	22.732	22.732	0.000	95	638454	10.0	10.7	
102 Benzyl chloride	91	22.929	22.929	0.000	96	641152	10.0	9.24	
103 n-Butylbenzene	91	23.132	23.132	0.000	96	908507	10.0	10.2	
104 Undecane	57	23.154	23.153	0.001	88	386339	10.0	9.70	
105 1,2-Dichlorobenzene	146	23.260	23.260	0.000	93	585556	10.0	10.5	
106 Dodecane	57	24.728	24.728	0.000	86	392587	10.0	9.97	
107 1,2,4-Trichlorobenzene	180	25.742	25.742	0.000	94	632450	10.0	10.4	
108 Hexachlorobutadiene	225	25.923	25.923	0.000	94	811923	10.0	9.95	
109 Naphthalene	128	26.228	26.227	0.001	98	943457	10.0	10.9	
110 1,2,3-Trichlorobenzene	180	26.692	26.697	-0.005	94	575145	10.0	10.4	
$ 87 4-Bromofluorobenzene	95	20.917	20.917	0.000	91	559137	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

ATTO15LCSW_00421	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

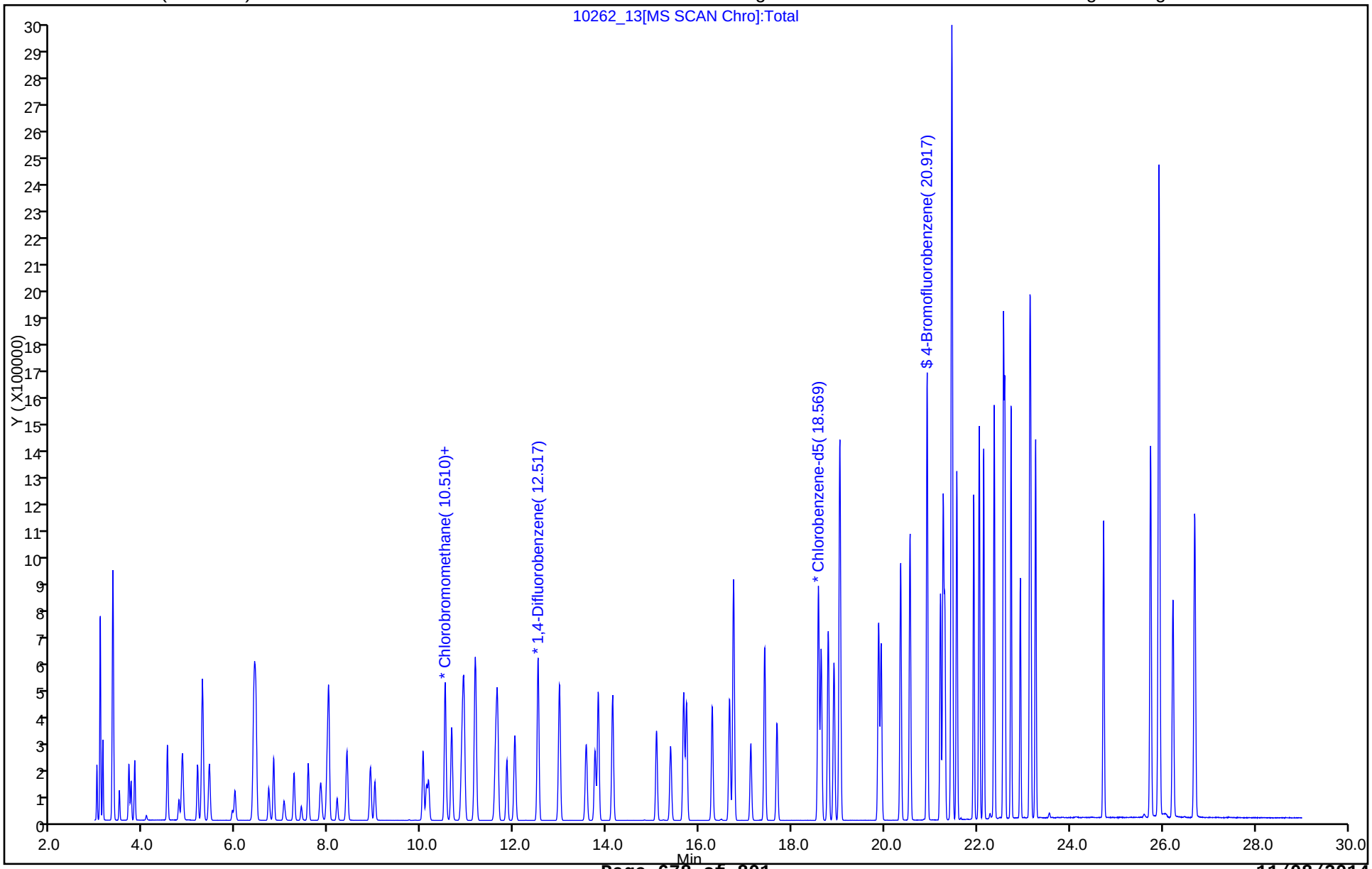
Report Date: 31-Oct-2014 11:09:25 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_13.D

Injection Date:	30-Oct-2014 00:59:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	icv			Worklist Smp#:	13
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Lab Sample ID: CCVIS 200-79779/2 Calibration Date: 11/03/2014 10:41

Instrument ID: CHC.i Calib Start Date: 10/29/2014 17:07

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 10/29/2014 22:37

Lab File ID: 10320_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5681	0.5626		9.90	10.0	-1.0	30.0
Dichlorodifluoromethane	Ave	4.267	3.905		9.15	10.0	-8.5	30.0
Freon 22	Ave	1.796	1.737		9.67	10.0	-3.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.254	3.110		9.56	10.0	-4.4	30.0
Chloromethane	Ave	0.6767	0.6886		10.2	10.0	1.8	30.0
n-Butane	Ave	1.174	1.234		10.5	10.0	5.1	30.0
Vinyl chloride	Ave	0.9167	0.995		10.9	10.0	8.6	30.0
1,3-Butadiene	Ave	0.6379	0.6897		10.8	10.0	8.1	30.0
Bromomethane	Ave	1.193	1.189		9.96	10.0	-0.3	30.0
Chloroethane	Ave	0.4884	0.4889		10.0	10.0	0.1	30.0
Isopentane	Ave	0.8796	0.8405		9.55	10.0	-4.5	30.0
Bromoethene(Vinyl Bromide)	Ave	1.058	1.061		10.0	10.0	0.3	30.0
Trichlorofluoromethane	Ave	4.475	4.133		9.23	10.0	-7.7	30.0
n-Pentane	Ave	1.005	1.037		10.3	10.0	3.2	30.0
Ethanol	Ave	0.2481	0.2592		14.5	15.0	4.5	30.0
Ethyl ether	Ave	0.4761	0.5085		10.7	10.0	6.8	30.0
Acrolein	Ave	0.1928	0.2024		10.5	10.0	5.0	30.0
Freon TF	Ave	2.272	2.194		9.66	10.0	-3.4	30.0
1,1-Dichloroethene	Ave	0.9135	0.9270		10.1	10.0	1.5	30.0
Acetone	Ave	1.335	1.230		9.21	10.0	-7.9	30.0
Carbon disulfide	Ave	2.196	2.108		9.60	10.0	-4.0	30.0
Isopropyl alcohol	Ave	0.8492	0.8754		10.3	10.0	3.1	30.0
3-Chloropropene	Ave	0.7604	0.8032		10.6	10.0	5.6	30.0
Acetonitrile	Ave	0.3683	0.3824		10.4	10.0	3.8	30.0
Methylene Chloride	Ave	0.9419	0.8704		9.24	10.0	-7.6	30.0
tert-Butyl alcohol	Ave	1.691	1.665		9.84	10.0	-1.6	30.0
Methyl tert-butyl ether	Ave	2.905	2.926		10.1	10.0	0.7	30.0
trans-1,2-Dichloroethene	Ave	1.283	1.271		9.91	10.0	-0.9	30.0
Acrylonitrile	Ave	0.4302	0.4272		9.93	10.0	-0.7	30.0
n-Hexane	Ave	0.9556	1.003		10.5	10.0	5.0	30.0
1,1-Dichloroethane	Ave	1.541	1.475		9.57	10.0	-4.3	30.0
Vinyl acetate	Ave	1.753	1.747		9.96	10.0	-0.4	30.0
cis-1,2-Dichloroethene	Ave	0.9195	0.9407		10.2	10.0	2.3	30.0
Methyl Ethyl Ketone	Ave	0.3657	0.3574		9.77	10.0	-2.3	30.0
Ethyl acetate	Ave	0.0667	0.0667		10.0	10.0	0.0	30.0
Tetrahydrofuran	Ave	0.1519	0.1520		10.0	10.0	0.0	30.0
Chloroform	Ave	2.373	2.286		9.63	10.0	-3.7	30.0
Cyclohexane	Ave	0.2563	0.2643		10.3	10.0	3.1	30.0
1,1,1-Trichloroethane	Ave	0.8005	0.7538		9.42	10.0	-5.8	30.0
Carbon tetrachloride	Ave	0.9645	0.9044		9.37	10.0	-6.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Lab Sample ID: CCVIS 200-79779/2 Calibration Date: 11/03/2014 10:41

Instrument ID: CHC.i Calib Start Date: 10/29/2014 17:07

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 10/29/2014 22:37

Lab File ID: 10320_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.7171	0.7415		10.3	10.0	3.4	30.0
Benzene	Ave	0.5445	0.5349		9.82	10.0	-1.8	30.0
1,2-Dichloroethane	Ave	0.4684	0.4492		9.59	10.0	-4.1	30.0
n-Heptane	Ave	0.2459	0.2552		10.4	10.0	3.8	30.0
n-Butanol	Ave	0.0694	0.0709		10.2	10.0	2.2	30.0
Trichloroethene	Ave	0.2870	0.3043		10.6	10.0	6.0	30.0
1,2-Dichloropropane	Ave	0.1586	0.1633		10.3	10.0	3.0	30.0
Methyl methacrylate	Ave	0.1713	0.1722		10.1	10.0	0.6	30.0
1,4-Dioxane	Ave	0.0804	0.0860		10.7	10.0	6.9	30.0
Dibromomethane	Ave	0.3749	0.3874		10.3	10.0	3.4	30.0
Bromodichloromethane	Ave	0.6348	0.6359		10.0	10.0	0.2	30.0
cis-1,3-Dichloropropene	Ave	0.3247	0.3318		10.2	10.0	2.2	30.0
methyl isobutyl ketone	Ave	0.3936	0.3870		9.83	10.0	-1.7	30.0
Toluene	Ave	0.4201	0.4308		10.3	10.0	2.5	30.0
n-Octane	Ave	0.3555	0.3611		10.2	10.0	1.6	30.0
trans-1,3-Dichloropropene	Ave	0.4227	0.4205		9.95	10.0	-0.5	30.0
1,1,2-Trichloroethane	Ave	0.2043	0.2089		10.2	10.0	2.2	30.0
Tetrachloroethene	Ave	0.6064	0.6181		10.2	10.0	1.9	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4247	0.4120		9.70	10.0	-3.0	30.0
Dibromochloromethane	Ave	0.7316	0.7562		10.3	10.0	3.4	30.0
1,2-Dibromoethane	Ave	0.4706	0.4824		10.2	10.0	2.5	30.0
Chlorobenzene	Ave	0.6653	0.6654		10.0	10.0	0.0	30.0
Ethylbenzene	Ave	1.095	1.105		10.1	10.0	0.9	30.0
n-Nonane	Ave	0.3741	0.3724		9.95	10.0	-0.5	30.0
m,p-Xylene	Ave	0.4292	0.4328		20.2	20.0	0.8	30.0
Xylene, o-	Ave	0.4093	0.4171		10.2	10.0	1.9	30.0
Styrene	Ave	0.5879	0.6205		10.6	10.0	5.6	30.0
Bromoform	Ave	0.8729	0.8780		10.1	10.0	0.6	30.0
Cumene	Ave	1.353	1.382		10.2	10.0	2.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5587	0.5358		9.59	10.0	-4.1	30.0
n-Propylbenzene	Ave	1.590	1.600		10.1	10.0	0.7	30.0
1,2,3-Trichloropropane	Ave	0.5641	0.5268		9.34	10.0	-6.6	30.0
n-Decane	Ave	0.5712	0.5211		9.12	10.0	-8.8	30.0
4-Ethyltoluene	Ave	1.465	1.481		10.1	10.0	1.1	30.0
2-Chlorotoluene	Ave	1.315	1.262		9.60	10.0	-4.0	30.0
1,3,5-Trimethylbenzene	Ave	1.219	1.220		10.0	10.0	0.0	30.0
Alpha Methyl Styrene	Ave	0.5179	0.5503		10.6	10.0	6.2	30.0
tert-Butylbenzene	Ave	1.209	1.212		10.0	10.0	0.2	30.0
1,2,4-Trimethylbenzene	Ave	1.230	1.214		9.87	10.0	-1.3	30.0
sec-Butylbenzene	Ave	1.603	1.606		10.0	10.0	0.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Lab Sample ID: CCVIS 200-79779/2 Calibration Date: 11/03/2014 10:41

Instrument ID: CHC.i Calib Start Date: 10/29/2014 17:07

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 10/29/2014 22:37

Lab File ID: 10320_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.535	1.550		10.1	10.0	1.0	30.0
1,3-Dichlorobenzene	Ave	0.9339	0.9274		9.93	10.0	-0.7	30.0
1,4-Dichlorobenzene	Ave	0.9292	0.9305		10.0	10.0	0.1	30.0
Benzyl chloride	Ave	1.078	1.045		9.69	10.0	-3.1	30.0
n-Butylbenzene	Ave	1.388	1.326		9.55	10.0	-4.5	30.0
n-Undecane	Ave	0.6193	0.5562		8.98	10.0	-10.2	30.0
1,2-Dichlorobenzene	Ave	0.8649	0.8545		9.88	10.0	-1.2	30.0
n-Dodecane	Ave	0.6123	0.5334		8.71	10.0	-12.9	30.0
1,2,4-Trichlorobenzene	Ave	0.9430	0.8315		8.82	10.0	-11.8	30.0
Hexachlorobutadiene	Ave	1.269	1.087		8.57	10.0	-14.3	30.0
Naphthalene	Ave	1.340	1.164		8.68	10.0	-13.1	30.0
1,2,3-Trichlorobenzene	Ave	0.8608	0.7710		8.95	10.0	-10.4	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141103-10320.b\10320_02.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 03-Nov-2014 10:41:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010320-002
Misc. Info.: ccvis
Operator ID: pad Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20141103-10320.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 04-Nov-2014 09:09:55 Calib Date: 29-Oct-2014 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK019

First Level Reviewer: lyonsb Date: 04-Nov-2014 09:07:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.985	2.985	0.000	94	99999	10.0	9.90	
2 Dichlorodifluoromethane	85	3.060	3.060	0.000	99	694081	10.0	9.15	
6 Chlorodifluoromethane	51	3.113	3.113	0.000	95	308686	10.0	9.67	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.332	3.332	0.000	89	552799	10.0	9.56	
8 Chloromethane	50	3.471	3.471	0.000	98	122390	10.0	10.2	
9 Butane	43	3.679	3.679	0.000	93	219298	10.0	10.5	
10 Vinyl chloride	62	3.722	3.722	0.000	98	176863	10.0	10.9	
11 Butadiene	54	3.802	3.802	0.000	94	122587	10.0	10.8	
18 BFB									
12 Bromomethane	94	4.506	4.506	0.000	97	211324	10.0	9.96	
13 Chloroethane	64	4.757	4.757	0.000	99	86891	10.0	10.0	
14 2-Methylbutane	43	4.832	4.832	0.000	86	149378	10.0	9.55	
15 Vinyl bromide	106	5.163	5.163	0.000	97	188532	10.0	10.0	
16 Trichlorofluoromethane	101	5.264	5.264	0.000	99	734527	10.0	9.23	
17 Pentane	43	5.414	5.414	0.000	90	184389	10.0	10.3	
19 Ethanol	45	5.910	5.910	0.000	98	69133	15.0	14.5	
21 Ethyl ether	59	5.969	5.969	0.000	91	90374	10.0	10.7	
22 Acrolein	56	6.369	6.369	0.000	42	35973	10.0	10.5	
23 1,1,2-Trichloro-1,2,2-trif	101	6.385	6.385	0.000	90	389927	10.0	9.66	
24 1,1-Dichloroethene	96	6.422	6.422	0.000	98	164751	10.0	10.1	
25 Acetone	43	6.694	6.694	0.000	83	218642	10.0	9.21	
26 Carbon disulfide	76	6.801	6.801	0.000	99	374714	10.0	9.60	
27 Isopropyl alcohol	45	7.025	7.025	0.000	96	155581	10.0	10.3	
29 3-Chloro-1-propene	41	7.244	7.244	0.000	77	142747	10.0	10.6	
30 Acetonitrile	41	7.404	7.404	0.000	96	67966	10.0	10.4	
31 Methylene Chloride	49	7.548	7.548	0.000	89	154688	10.0	9.24	
32 2-Methyl-2-propanol	59	7.821	7.821	0.000	98	295891	10.0	9.84	
33 Methyl tert-butyl ether	73	7.965	7.965	0.000	94	519978	10.0	10.1	
34 trans-1,2-Dichloroethene	61	7.991	7.991	0.000	92	225861	10.0	9.91	
35 Acrylonitrile	53	8.173	8.173	0.000	93	75924	10.0	9.93	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 Hexane	57	8.386	8.386	0.000	86	178307	10.0	10.5	
37 1,1-Dichloroethane	63	8.893	8.893	0.000	98	262150	10.0	9.57	
38 Vinyl acetate	43	8.989	8.989	0.000	99	310441	10.0	9.96	
39 cis-1,2-Dichloroethene	96	10.030	10.030	0.000	97	167198	10.0	10.2	
40 2-Butanone (MEK)	72	10.105	10.105	0.000	98	63518	10.0	9.77	
42 Ethyl acetate	88	10.147	10.147	0.000	99	11855	10.0	10.0	
S 41 1,2-Dichloroethene, Total	61				0		20.0	20.1	
* 43 Chlorobromomethane	128	10.505	10.505	0.000	71	177766	10.0	10.0	
44 Tetrahydrofuran	42	10.516	10.516	0.000	78	113624	10.0	10.0	
45 Chloroform	83	10.649	10.649	0.000	98	406249	10.0	9.63	
46 Cyclohexane	84	10.868	10.868	0.000	87	197531	10.0	10.3	
47 1,1,1-Trichloroethane	97	10.905	10.905	0.000	97	563412	10.0	9.42	
48 Carbon tetrachloride	117	11.156	11.156	0.000	98	675951	10.0	9.37	
51 Isooctane	57	11.599	11.599	0.000	94	554207	10.0	10.3	
50 Benzene	78	11.636	11.636	0.000	98	399790	10.0	9.82	
52 1,2-Dichloroethane	62	11.839	11.839	0.000	98	335750	10.0	9.59	
53 n-Heptane	43	12.010	12.010	0.000	81	190699	10.0	10.4	
* 54 1,4-Difluorobenzene	114	12.512	12.512	0.000	95	747555	10.0	10.0	
55 n-Butanol	56	12.955	12.955	0.000	93	53004	10.0	10.2	
56 Trichloroethene	95	12.976	12.976	0.000	93	227462	10.0	10.6	
A 57 GRO	1	13.133	(4.822-21.445)		0	68801668	10.0	0	
58 1,2-Dichloropropane	63	13.547	13.547	0.000	65	122065	10.0	10.3	
59 Methyl methacrylate	69	13.739	13.739	0.000	84	128709	10.0	10.1	
60 1,4-Dioxane	88	13.798	13.798	0.000	91	64245	10.0	10.7	
61 Dibromomethane	174	13.814	13.814	0.000	88	289575	10.0	10.3	
62 Dichlorobromomethane	83	14.123	14.123	0.000	98	475249	10.0	10.0	
A 63 TVOC as Toluene	1	14.839	(2.975-26.702)		0	132345453	10.0	4214.2	
64 cis-1,3-Dichloropropene	75	15.068	15.068	0.000	92	248021	10.0	10.2	
65 4-Methyl-2-pentanone (MIBK	43	15.372	15.372	0.000	94	289247	10.0	9.83	
66 Toluene	92	15.655	15.655	0.000	92	306066	10.0	10.3	
A 67 Toluene Range	1	15.655	(15.615-15.695)		0	1617212	NC	NC	
68 n-Octane	43	15.719	15.719	0.000	78	269900	10.0	10.2	
A 69 C8 Range	1	15.951	(15.718-16.219)		0	1288396	NC	NC	
70 trans-1,3-Dichloropropene	75	16.274	16.274	0.000	94	314316	10.0	9.95	
71 1,1,2-Trichloroethane	83	16.648	16.648	0.000	84	148404	10.0	10.2	
72 Tetrachloroethene	166	16.733	16.733	0.000	95	439216	10.0	10.2	
73 2-Hexanone	43	17.107	17.107	0.000	95	292741	10.0	9.70	
74 Chlorodibromomethane	129	17.406	17.406	0.000	97	537304	10.0	10.3	
75 Ethylene Dibromide	107	17.667	17.667	0.000	97	342747	10.0	10.2	
* 76 Chlorobenzene-d5	117	18.569	18.569	0.000	90	710678	10.0	10.0	
77 Chlorobenzene	112	18.628	18.628	0.000	90	472807	10.0	10.0	
78 Ethylbenzene	91	18.777	18.777	0.000	99	785309	10.0	10.1	
79 n-Nonane	57	18.905	18.905	0.000	79	264618	10.0	9.95	
81 m-Xylene & p-Xylene	106	19.028	19.028	0.000	0	615044	20.0	20.2	
83 o-Xylene	106	19.866	19.866	0.000	92	296343	10.0	10.2	
84 Styrene	104	19.919	19.919	0.000	90	440913	10.0	10.6	
S 82 Xylenes, Total	106				0		30.0	30.4	
85 Bromoform	173	20.341	20.341	0.000	97	623830	10.0	10.1	
86 Isopropylbenzene	105	20.544	20.544	0.000	98	982287	10.0	10.2	
88 1,1,2,2-Tetrachloroethane	83	21.200	21.200	0.000	89	380677	10.0	9.59	
90 N-Propylbenzene	91	21.259	21.259	0.000	98	1137130	10.0	10.1	
89 1,2,3-Trichloropropane	75	21.296	21.296	0.000	90	374331	10.0	9.34	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.435	21.435	0.000	83	370285	10.0	9.12	
91 4-Ethyltoluene	105	21.451	21.451	0.000	98	1052068	10.0	10.1	
92 2-Chlorotoluene	91	21.456	21.456	0.000	94	896969	10.0	9.60	
94 1,3,5-Trimethylbenzene	105	21.558	21.558	0.000	91	866728	10.0	10.0	
95 Alpha Methyl Styrene	118	21.921	21.921	0.000	85	390984	10.0	10.6	
96 tert-Butylbenzene	119	22.038	22.038	0.000	90	861074	10.0	10.0	
97 1,2,4-Trimethylbenzene	105	22.134	22.134	0.000	99	862841	10.0	9.87	
98 sec-Butylbenzene	105	22.364	22.364	0.000	95	1141332	10.0	10.0	
99 4-Isopropyltoluene	119	22.566	22.566	0.000	95	1101023	10.0	10.1	
100 1,3-Dichlorobenzene	146	22.593	22.593	0.000	94	658942	10.0	9.93	
101 1,4-Dichlorobenzene	146	22.727	22.727	0.000	92	661168	10.0	10.0	
102 Benzyl chloride	91	22.929	22.929	0.000	97	742541	10.0	9.69	
103 n-Butylbenzene	91	23.132	23.132	0.000	96	942084	10.0	9.55	
104 Undecane	57	23.153	23.153	0.000	89	395198	10.0	8.98	
105 1,2-Dichlorobenzene	146	23.260	23.260	0.000	93	607160	10.0	9.88	
106 Dodecane	57	24.728	24.728	0.000	84	379015	10.0	8.71	
107 1,2,4-Trichlorobenzene	180	25.737	25.737	0.000	94	590780	10.0	8.82	
108 Hexachlorobutadiene	225	25.923	25.923	0.000	94	772656	10.0	8.57	
109 Naphthalene	128	26.222	26.222	0.000	98	827161	10.0	8.68	
110 1,2,3-Trichlorobenzene	180	26.692	26.692	0.000	94	547808	10.0	8.95	
$ 87 4-Bromofluorobenzene	95	20.912	20.912	0.000	92	589864	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

ATTO15CAL4w_00395	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

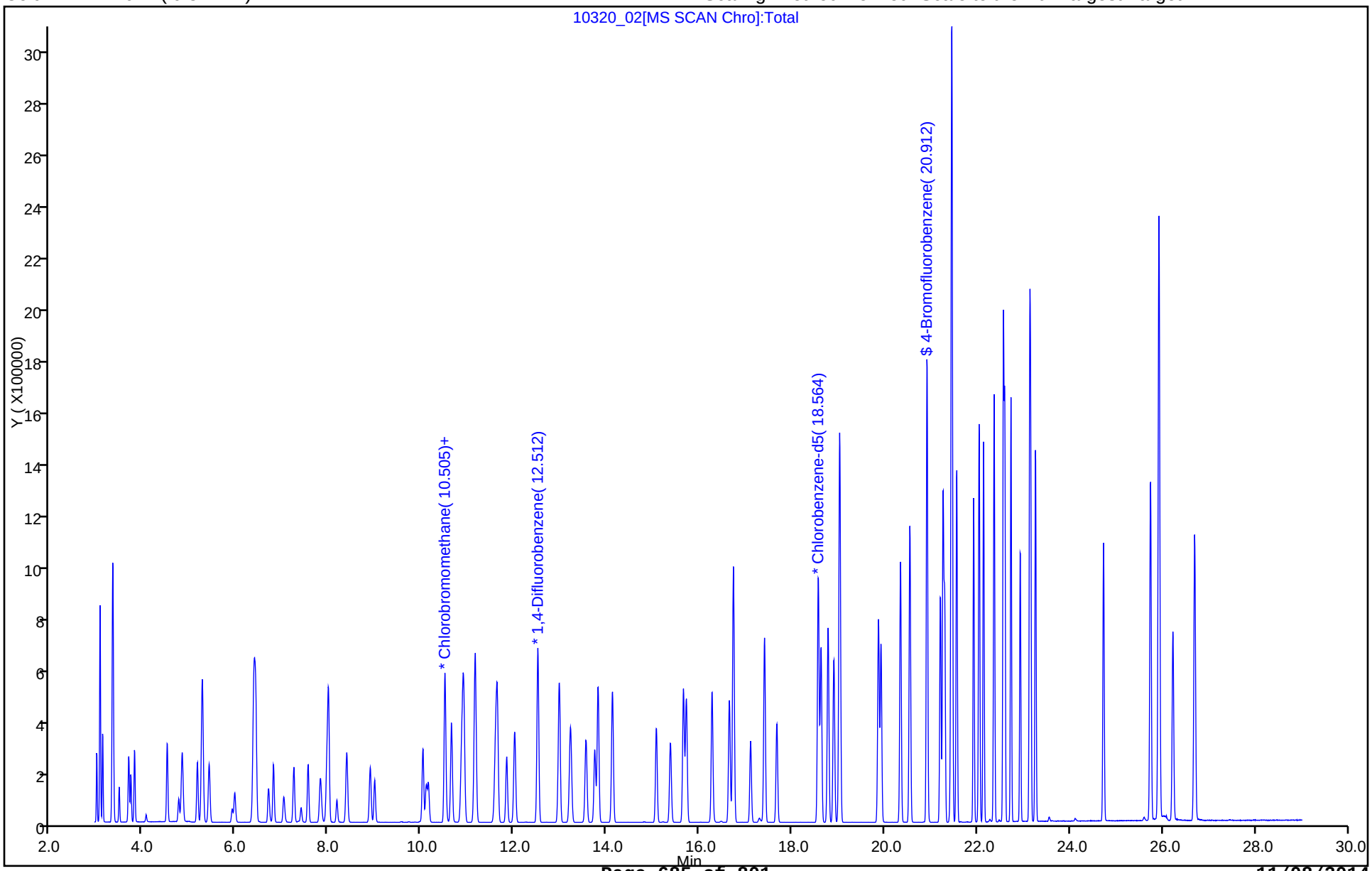
Report Date: 04-Nov-2014 09:09:55 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141103-10320.b\10320_02.D

Injection Date:	03-Nov-2014 10:41:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	ccvis			Worklist Smp#:	2
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Lab Sample ID: ICV 200-79595/14 Calibration Date: 10/30/2014 21:43

Instrument ID: CHW.i Calib Start Date: 10/30/2014 13:30

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 10/30/2014 19:16

Lab File ID: 10272_014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.6566	0.5009		7.63	10.0	-23.7	30.0
Dichlorodifluoromethane	Ave	2.959	2.593		8.76	10.0	-12.4	30.0
Freon 22	Ave	1.364	1.105		8.10	10.0	-19.0	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.992	2.945		9.84	10.0	-1.6	30.0
Chloromethane	Ave	0.7924	0.6444		8.13	10.0	-18.7	30.0
n-Butane	Ave	1.215	0.9338		7.68	10.0	-23.2	30.0
Vinyl chloride	Ave	1.031	0.7902		7.66	10.0	-23.3	30.0
1,3-Butadiene	Ave	0.6679	0.5188		7.77	10.0	-22.3	30.0
Bromomethane	Ave	1.118	0.9257		8.28	10.0	-17.2	30.0
Chloroethane	Ave	0.5610	0.4964		8.85	10.0	-11.5	30.0
Isopentane	Ave	0.9009	0.8598		9.54	10.0	-4.6	30.0
Bromoethene(Vinyl Bromide)	Ave	1.244	1.223		9.83	10.0	-1.7	30.0
Trichlorofluoromethane	Ave	2.945	2.673		9.07	10.0	-9.2	30.0
n-Pentane	Ave	1.302	1.289		9.90	10.0	-1.0	30.0
Ethanol	Ave	0.3411	0.3142		13.8	15.0	-7.9	30.0
Ethyl ether	Ave	0.5851	0.6341		10.8	10.0	8.4	30.0
Acrolein	Ave	0.2512	0.2498		9.94	10.0	-0.5	30.0
Freon TF	Ave	2.382	2.242		9.41	10.0	-5.9	30.0
1,1-Dichloroethene	Ave	1.127	1.099		9.75	10.0	-2.5	30.0
Acetone	Ave	1.202	1.147		9.54	10.0	-4.6	30.0
Carbon disulfide	Ave	2.834	3.187		11.2	10.0	12.5	30.0
Isopropyl alcohol	Ave	0.9627	0.7668		7.96	10.0	-20.3	30.0
3-Chloropropene	Ave	0.8769	0.7587		8.65	10.0	-13.5	30.0
Acetonitrile	Ave	0.5021	0.4830		9.62	10.0	-3.8	30.0
Methylene Chloride	Ave	0.8891	0.7593		8.54	10.0	-14.6	30.0
tert-Butyl alcohol	Ave	1.500	1.291		8.61	10.0	-13.9	30.0
Methyl tert-butyl ether	Ave	2.575	2.655		10.3	10.0	3.1	30.0
trans-1,2-Dichloroethene	Ave	1.234	1.223		9.91	10.0	-0.9	30.0
Acrylonitrile	Ave	0.5864	0.5564		9.49	10.0	-5.1	30.0
n-Hexane	Ave	1.263	1.349		10.7	10.0	6.8	30.0
1,1-Dichloroethane	Ave	1.684	1.557		9.24	10.0	-7.6	30.0
Vinyl acetate	Ave	1.841	1.632		8.86	10.0	-11.3	30.0
cis-1,2-Dichloroethene	Ave	1.226	1.235		10.1	10.0	0.7	30.0
Methyl Ethyl Ketone	Ave	0.5546	0.5089		9.17	10.0	-8.2	30.0
Ethyl acetate	Ave	0.0991	0.1052		10.6	10.0	6.2	30.0
Tetrahydrofuran	Ave	0.1778	0.1604		9.02	10.0	-9.8	30.0
Chloroform	Ave	2.218	2.080		9.38	10.0	-6.2	30.0
Cyclohexane	Ave	0.3179	0.3396		10.7	10.0	6.8	30.0
1,1,1-Trichloroethane	Ave	0.5064	0.4833		9.54	10.0	-4.6	30.0
Carbon tetrachloride	Ave	0.5529	0.5403		9.77	10.0	-2.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Lab Sample ID: ICV 200-79595/14 Calibration Date: 10/30/2014 21:43

Instrument ID: CHW.i Calib Start Date: 10/30/2014 13:30

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 10/30/2014 19:16

Lab File ID: 10272_014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.8836	0.8981		10.2	10.0	1.6	30.0
Benzene	Ave	0.7435	0.7143		9.60	10.0	-3.9	30.0
1,2-Dichloroethane	Ave	0.2573	0.2359		9.17	10.0	-8.3	30.0
n-Heptane	Ave	0.2831	0.2748		9.70	10.0	-2.9	30.0
n-Butanol	Ave	0.1019	0.0918		9.00	10.0	-9.9	30.0
Trichloroethene	Ave	0.3367	0.3400		10.1	10.0	1.0	30.0
1,2-Dichloropropane	Ave	0.2431	0.2240		9.21	10.0	-7.9	30.0
Methyl methacrylate	Ave	0.2377	0.2360		9.93	10.0	-0.7	30.0
1,4-Dioxane	Ave	0.1273	0.1141		8.96	10.0	-10.4	30.0
Dibromomethane	Ave	0.4231	0.4270		10.1	10.0	0.9	30.0
Bromodichloromethane	Ave	0.5212	0.4862		9.33	10.0	-6.7	30.0
cis-1,3-Dichloropropene	Ave	0.3488	0.3679		10.5	10.0	5.5	30.0
methyl isobutyl ketone	Ave	0.3734	0.3450		9.24	10.0	-7.6	30.0
n-Octane	Ave	0.3672	0.3670		9.99	10.0	-0.0	30.0
Toluene	Ave	0.6059	0.6323		10.4	10.0	4.4	30.0
trans-1,3-Dichloropropene	Ave	0.3612	0.3654		10.1	10.0	1.1	30.0
1,1,2-Trichloroethane	Ave	0.2947	0.2888		9.80	10.0	-2.0	30.0
Tetrachloroethene	Ave	0.6527	0.7115		10.9	10.0	9.0	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3822	0.3589		9.39	10.0	-6.1	30.0
Dibromochloromethane	Ave	0.7221	0.7215		9.99	10.0	-0.0	30.0
1,2-Dibromoethane	Ave	0.5737	0.5935		10.3	10.0	3.5	30.0
Chlorobenzene	Ave	0.9684	0.9647		9.96	10.0	-0.4	30.0
Ethylbenzene	Ave	1.285	1.347		10.5	10.0	4.8	30.0
n-Nonane	Ave	0.4655	0.4760		10.2	10.0	2.3	30.0
m,p-Xylene	Ave	0.5519	0.5918		21.4	20.0	7.2	30.0
Xylene, o-	Ave	0.5439	0.5961		11.0	10.0	9.6	30.0
Styrene	Ave	0.8166	0.9094		11.1	10.0	11.4	30.0
Bromoform	Ave	0.7715	0.8083		10.5	10.0	4.8	30.0
Cumene	Ave	1.499	1.636		10.9	10.0	9.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7840	0.7707		9.83	10.0	-1.7	30.0
n-Propylbenzene	Ave	1.755	1.844		10.5	10.0	5.0	30.0
1,2,3-Trichloropropane	Ave	0.5774	0.5355		9.27	10.0	-7.3	30.0
n-Decane	Ave	0.6460	0.6290		9.74	10.0	-2.6	30.0
4-Ethyltoluene	Ave	1.604	1.726		10.8	10.0	7.6	30.0
2-Chlorotoluene	Ave	1.312	1.312		10.0	10.0	0.0	30.0
1,3,5-Trimethylbenzene	Ave	1.344	1.414		10.5	10.0	5.2	30.0
Alpha Methyl Styrene	Ave	0.6908	0.7857		11.4	10.0	13.7	30.0
tert-Butylbenzene	Ave	1.368	1.464		10.7	10.0	7.0	30.0
1,2,4-Trimethylbenzene	Ave	1.347	1.434		10.6	10.0	6.5	30.0
sec-Butylbenzene	Ave	1.952	2.078		10.6	10.0	6.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Lab Sample ID: ICV 200-79595/14 Calibration Date: 10/30/2014 21:43

Instrument ID: CHW.i Calib Start Date: 10/30/2014 13:30

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 10/30/2014 19:16

Lab File ID: 10272_014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.694	1.870		11.0	10.0	10.4	30.0
1,3-Dichlorobenzene	Ave	1.134	1.168		10.3	10.0	3.0	30.0
1,4-Dichlorobenzene	Ave	1.091	1.157		10.6	10.0	6.1	30.0
Benzyl chloride	Ave	1.026	0.9477		9.23	10.0	-7.7	30.0
n-Undecane	Ave	0.6901	0.7047		10.2	10.0	2.1	30.0
n-Butylbenzene	Ave	1.445	1.493		10.3	10.0	3.3	30.0
1,2-Dichlorobenzene	Ave	1.087	1.131		10.4	10.0	4.0	30.0
n-Dodecane	Ave	0.5720	0.6642		11.6	10.0	16.1	30.0
1,2,4-Trichlorobenzene	Ave	0.8218	0.9001		10.9	10.0	9.5	30.0
Hexachlorobutadiene	Ave	0.7437	0.8119		10.9	10.0	9.2	30.0
Naphthalene	Ave	1.536	1.656		10.8	10.0	7.8	30.0
1,2,3-Trichlorobenzene	Ave	0.6790	0.8021		11.8	10.0	18.1	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_014.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 30-Oct-2014 21:43:30 ALS Bottle#: 9 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010272-014
Misc. Info.: ICV
Operator ID: BPL Instrument ID: CHW.i
Sublist:

Method: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 31-Oct-2014 08:18:02 Calib Date: 30-Oct-2014 19:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: lyonsb Date: 31-Oct-2014 06:59:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.387	4.376	0.011	98	312443	10.0	7.63	
2 Dichlorodifluoromethane	85	4.478	4.483	-0.005	98	1617492	10.0	8.76	
6 Chlorodifluoromethane	51	4.542	4.553	-0.011	96	689039	10.0	8.10	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.825	4.831	-0.006	91	1837051	10.0	9.84	
8 Chloromethane	50	5.023	5.023	0.000	98	401952	10.0	8.13	
9 Butane	43	5.280	5.286	-0.006	98	582420	10.0	7.68	
10 Vinyl chloride	62	5.339	5.344	-0.005	98	492874	10.0	7.66	
11 Butadiene	54	5.435	5.440	-0.005	91	323563	10.0	7.77	
12 Bromomethane	94	6.296	6.307	-0.011	99	577403	10.0	8.28	
13 BFB									
14 Chloroethane	64	6.575	6.585	-0.010	98	309603	10.0	8.85	
15 2-Methylbutane	43	6.666	6.682	-0.016	92	536274	10.0	9.54	
16 Vinyl bromide	106	7.062	7.067	-0.005	99	762600	10.0	9.83	
17 Trichlorofluoromethane	101	7.179	7.179	0.000	98	1667302	10.0	9.07	
18 Pentane	43	7.340	7.340	0.000	96	804224	10.0	9.90	
19 Ethanol	45	7.778	7.800	-0.022	99	294087	15.0	13.8	
21 Ethyl ether	59	7.917	7.928	-0.011	90	395526	10.0	10.8	
22 Acrolein	56	8.378	8.388	-0.010	94	155798	10.0	9.94	
23 1,1,2-Trichloro-1,2,2-trif	101	8.420	8.426	-0.006	93	1398515	10.0	9.41	
24 1,1-Dichloroethene	96	8.495	8.500	-0.005	87	685331	10.0	9.75	
25 Acetone	43	8.720	8.725	-0.005	91	715647	10.0	9.54	
26 Carbon disulfide	76	8.982	8.987	-0.005	98	1987697	10.0	11.2	
27 Isopropyl alcohol	45	9.003	9.009	-0.006	98	478240	10.0	7.96	
29 3-Chloro-1-propene	41	9.378	9.383	-0.005	88	473236	10.0	8.65	
30 Acetonitrile	41	9.506	9.506	0.000	100	301253	10.0	9.62	
31 Methylene Chloride	49	9.710	9.715	-0.005	78	473563	10.0	8.54	
32 2-Methyl-2-propanol	59	9.875	9.875	0.000	99	805239	10.0	8.61	
33 Methyl tert-butyl ether	73	10.127	10.132	-0.005	96	1655924	10.0	10.3	
S 41 1,2-Dichloroethene, Total	61				0		20.0	20.0	
34 trans-1,2-Dichloroethene	61	10.207	10.212	-0.005	83	762530	10.0	9.91	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Acrylonitrile	53	10.346	10.351	-0.005	97	347052	10.0	9.49	
36 Hexane	57	10.624	10.624	0.000	86	841511	10.0	10.7	
37 1,1-Dichloroethane	63	11.170	11.175	-0.005	99	970858	10.0	9.24	
38 Vinyl acetate	43	11.202	11.207	-0.005	99	1018114	10.0	8.86	
39 cis-1,2-Dichloroethene	96	12.347	12.347	0.000	91	770072	10.0	10.1	
40 2-Butanone (MEK)	72	12.352	12.358	-0.006	100	317428	10.0	9.17	
42 Ethyl acetate	88	12.379	12.379	0.000	98	65596	10.0	10.6	
44 Tetrahydrofuran	42	12.818	12.823	-0.005	85	462783	10.0	9.02	
* 43 Chlorobromomethane	128	12.828	12.829	-0.001	70	623840	10.0	10.0	
45 Chloroform	83	12.935	12.941	-0.006	99	1297306	10.0	9.38	
46 Cyclohexane	84	13.235	13.240	-0.005	81	979548	10.0	10.7	
47 1,1,1-Trichloroethane	97	13.246	13.246	0.000	96	1393899	10.0	9.54	
48 Carbon tetrachloride	117	13.503	13.502	0.001	97	1558342	10.0	9.77	
51 Isooctane	57	13.893	13.893	0.000	99	2590472	10.0	10.2	
50 Benzene	78	13.952	13.952	0.000	92	2060190	10.0	9.60	
52 1,2-Dichloroethane	62	14.112	14.112	0.000	97	680305	10.0	9.17	
53 n-Heptane	43	14.241	14.252	-0.011	82	792560	10.0	9.70	
* 54 1,4-Difluorobenzene	114	14.712	14.712	0.000	91	2884966	10.0	10.0	
A 57 GRO	1	14.746	(6.672-22.832)		0	245504475	10.0	0	
55 n-Butanol	56	14.990	14.990	0.000	83	264782	10.0	9.00	
56 Trichloroethene	95	15.177	15.177	0.000	90	980635	10.0	10.1	
58 1,2-Dichloropropane	63	15.696	15.696	0.000	93	646177	10.0	9.21	
59 Methyl methacrylate	69	15.776	15.776	0.000	78	680818	10.0	9.93	
60 1,4-Dioxane	88	15.867	15.872	-0.005	84	329071	10.0	8.96	
61 Dibromomethane	174	15.942	15.947	-0.005	86	1231683	10.0	10.1	
62 Dichlorobromomethane	83	16.188	16.188	0.000	97	1402347	10.0	9.33	
A 63 TVOC as Toluene	92	16.605	(4.366-28.834)		0	444103986	10.0	2540.5	
64 cis-1,3-Dichloropropene	75	17.049	17.049	0.000	86	1061295	10.0	10.5	
65 4-Methyl-2-pentanone (MIBK	43	17.274	17.279	-0.005	90	995171	10.0	9.24	
A 68 C8 Range	1	17.616	(17.566-17.666)		0	10992465	NC	NC	
69 n-Octane	43	17.616	17.616	0.000	92	1058490	10.0	10.0	
A 67 Toluene Range	92	17.622	(17.577-17.657)		0	10992465	10.0	68.7	E
66 Toluene	92	17.622	17.617	0.005	93	1669782	10.0	10.4	
70 trans-1,3-Dichloropropene	75	18.151	18.157	-0.006	92	1053937	10.0	10.1	
71 1,1,2-Trichloroethane	83	18.521	18.520	0.001	93	762545	10.0	9.80	
72 Tetrachloroethene	166	18.665	18.665	0.000	94	1878748	10.0	10.9	
73 2-Hexanone	43	18.906	18.906	0.000	89	947785	10.0	9.39	
74 Chlorodibromomethane	129	19.280	19.280	0.000	98	1905377	10.0	10.0	
75 Ethylene Dibromide	107	19.564	19.564	0.000	99	1567260	10.0	10.3	
S 82 Xylenes, Total	106				0		30.0	32.4	
* 76 Chlorobenzene-d5	117	20.404	20.409	-0.005	80	2641215	10.0	10.0	
77 Chlorobenzene	112	20.463	20.462	0.000	99	2547601	10.0	9.96	
78 Ethylbenzene	91	20.575	20.586	-0.011	95	3557518	10.0	10.5	
79 n-Nonane	57	20.634	20.634	0.000	80	1256922	10.0	10.2	
80 m-Xylene & p-Xylene	106	20.794	20.789	0.005	0	3125470	20.0	21.4	
83 o-Xylene	106	21.511	21.511	0.000	97	1574225	10.0	11.0	
84 Styrene	104	21.549	21.548	0.000	98	2401469	10.0	11.1	
85 Bromoform	173	21.928	21.934	-0.006	99	2134349	10.0	10.5	
86 Isopropylbenzene	105	22.073	22.073	0.000	93	4319814	10.0	10.9	
$ 87 4-Bromofluorobenzene	95	22.410	22.415	-0.005	97	1637971	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.640	22.640	0.000	97	2035122	10.0	9.83	
90 N-Propylbenzene	91	22.709	22.710	-0.001	99	4868843	10.0	10.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.736	22.741	-0.005	92	1413954	10.0	9.27	
93 n-Decane	57	22.822	22.822	0.000	80	1661104	10.0	9.74	
91 4-Ethyltoluene	105	22.875	22.875	0.000	97	4556841	10.0	10.8	
92 2-Chlorotoluene	91	22.913	22.913	0.000	93	3463773	10.0	10.0	
94 1,3,5-Trimethylbenzene	105	22.966	22.971	-0.005	95	3733431	10.0	10.5	
95 Alpha Methyl Styrene	118	23.319	23.314	0.005	92	2074737	10.0	11.4	
96 tert-Butylbenzene	119	23.442	23.448	-0.006	96	3865226	10.0	10.7	
97 1,2,4-Trimethylbenzene	105	23.539	23.538	0.001	94	3787678	10.0	10.6	
98 sec-Butylbenzene	105	23.774	23.769	0.005	98	5486598	10.0	10.6	
99 4-Isopropyltoluene	119	23.972	23.977	-0.005	97	4937646	10.0	11.0	
100 1,3-Dichlorobenzene	146	24.047	24.047	0.000	99	3084812	10.0	10.3	
101 1,4-Dichlorobenzene	146	24.191	24.191	0.000	97	3055178	10.0	10.6	
104 Undecane	57	24.587	24.587	0.000	88	1860801	10.0	10.2	
102 Benzyl chloride	91	24.400	24.614	-0.214	99	2502504	10.0	9.23	
103 n-Butylbenzene	91	24.609	24.614	-0.005	97	3943257	10.0	10.3	
105 1,2-Dichlorobenzene	146	24.796	24.801	-0.005	99	2985966	10.0	10.4	
106 Dodecane	57	26.379	26.379	0.000	94	1754030	10.0	11.6	
107 1,2,4-Trichlorobenzene	180	27.674	27.674	0.000	93	2376767	10.0	10.9	
108 Hexachlorobutadiene	225	27.872	27.877	-0.005	98	2143989	10.0	10.9	
109 Naphthalene	128	28.257	28.257	0.000	99	4373789	10.0	10.8	
110 1,2,3-Trichlorobenzene	180	28.819	28.824	-0.005	95	2118208	10.0	11.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Reagents:

ATTO15LCSW_00412	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

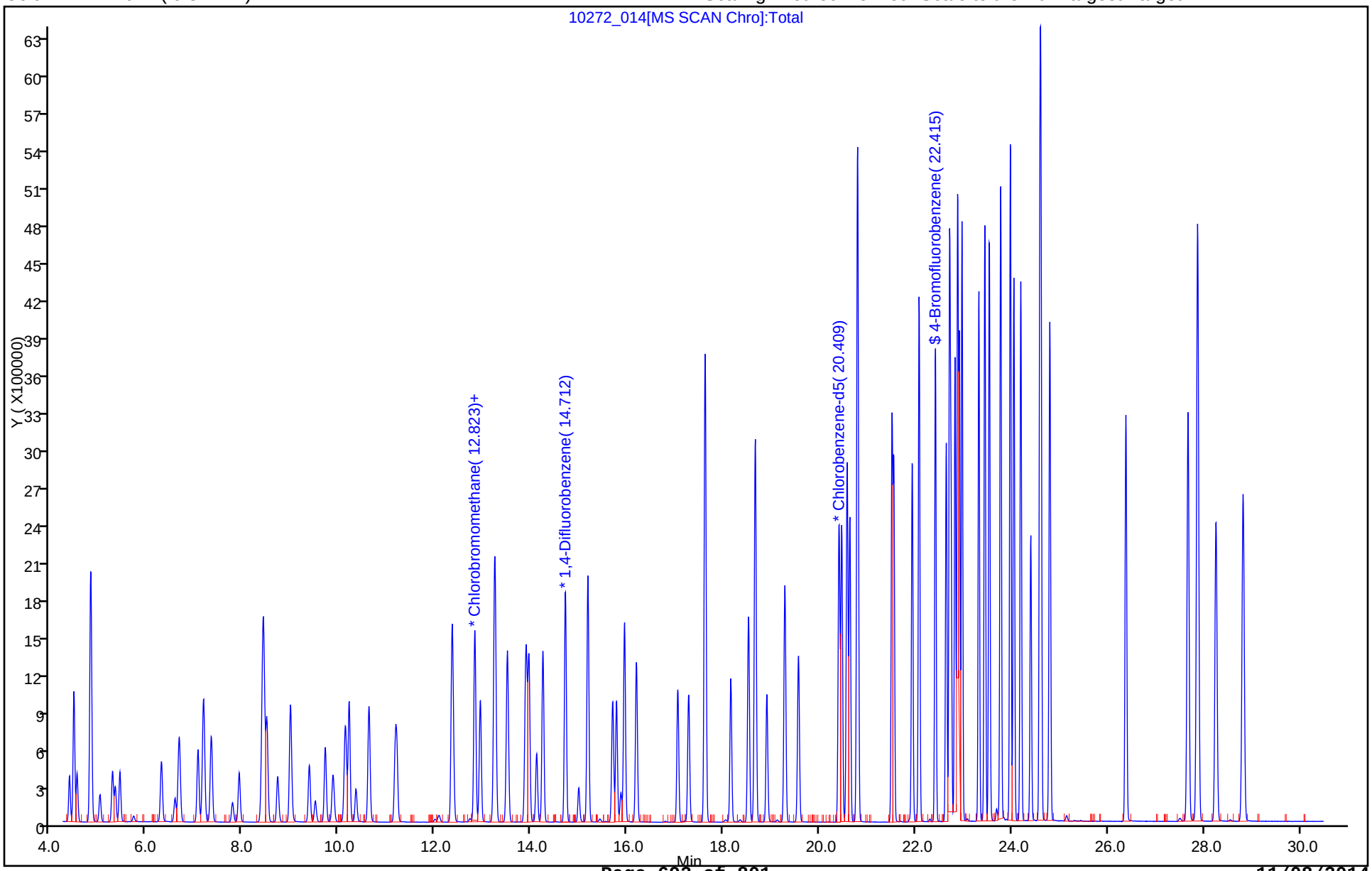
Report Date: 31-Oct-2014 08:18:13 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_014.d

Injection Date:	30-Oct-2014 21:43:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	ICV			Worklist Smp#:	14
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Lab Sample ID: CCVIS 200-79678/2 Calibration Date: 10/31/2014 09:44

Instrument ID: CHW.i Calib Start Date: 10/30/2014 13:30

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 10/30/2014 19:16

Lab File ID: 10288_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.6566	0.5654		8.61	10.0	-13.9	30.0
Dichlorodifluoromethane	Ave	2.959	2.738		9.25	10.0	-7.5	30.0
Freon 22	Ave	1.364	1.206		8.84	10.0	-11.6	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.992	2.754		9.20	10.0	-7.9	30.0
Chloromethane	Ave	0.7924	0.6965		8.79	10.0	-12.1	30.0
n-Butane	Ave	1.215	1.105		9.09	10.0	-9.1	30.0
Vinyl chloride	Ave	1.031	0.9251		8.97	10.0	-10.3	30.0
1,3-Butadiene	Ave	0.6679	0.6228		9.32	10.0	-6.7	30.0
Bromomethane	Ave	1.118	0.9547		8.54	10.0	-14.6	30.0
Chloroethane	Ave	0.5610	0.4660		8.31	10.0	-16.9	30.0
Isopentane	Ave	0.9009	0.8145		9.04	10.0	-9.6	30.0
Bromoethene(Vinyl Bromide)	Ave	1.244	1.280		10.3	10.0	2.9	30.0
Trichlorofluoromethane	Ave	2.945	2.800		9.50	10.0	-4.9	30.0
n-Pentane	Ave	1.302	1.214		9.32	10.0	-6.8	30.0
Ethanol	Ave	0.3411	0.3225		14.2	15.0	-5.4	30.0
Ethyl ether	Ave	0.5851	0.5865		10.0	10.0	0.2	30.0
Acrolein	Ave	0.2512	0.2401		9.56	10.0	-4.4	30.0
Freon TF	Ave	2.382	2.292		9.62	10.0	-3.8	30.0
1,1-Dichloroethene	Ave	1.127	1.136		10.1	10.0	0.8	30.0
Acetone	Ave	1.202	1.034		8.60	10.0	-14.0	30.0
Carbon disulfide	Ave	2.834	2.717		9.59	10.0	-4.1	30.0
Isopropyl alcohol	Ave	0.9627	0.9259		9.62	10.0	-3.8	30.0
3-Chloropropene	Ave	0.8769	0.8438		9.62	10.0	-3.8	30.0
Acetonitrile	Ave	0.5021	0.4574		9.11	10.0	-8.9	30.0
Methylene Chloride	Ave	0.8891	0.7754		8.72	10.0	-12.8	30.0
tert-Butyl alcohol	Ave	1.500	1.456		9.71	10.0	-2.9	30.0
Methyl tert-butyl ether	Ave	2.575	2.677		10.4	10.0	4.0	30.0
trans-1,2-Dichloroethene	Ave	1.234	1.179		9.55	10.0	-4.4	30.0
Acrylonitrile	Ave	0.5864	0.5376		9.16	10.0	-8.3	30.0
n-Hexane	Ave	1.263	1.288		10.2	10.0	1.9	30.0
1,1-Dichloroethane	Ave	1.684	1.560		9.26	10.0	-7.4	30.0
Vinyl acetate	Ave	1.841	1.702		9.24	10.0	-7.5	30.0
cis-1,2-Dichloroethene	Ave	1.226	1.255		10.2	10.0	2.3	30.0
Methyl Ethyl Ketone	Ave	0.5546	0.5094		9.18	10.0	-8.2	30.0
Ethyl acetate	Ave	0.0991	0.0971		9.80	10.0	-2.0	30.0
Tetrahydrofuran	Ave	0.1778	0.1617		9.09	10.0	-9.0	30.0
Chloroform	Ave	2.218	2.075		9.35	10.0	-6.4	30.0
Cyclohexane	Ave	0.3179	0.3413		10.7	10.0	7.4	30.0
1,1,1-Trichloroethane	Ave	0.5064	0.4832		9.54	10.0	-4.6	30.0
Carbon tetrachloride	Ave	0.5529	0.5443		9.84	10.0	-1.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Lab Sample ID: CCVIS 200-79678/2 Calibration Date: 10/31/2014 09:44

Instrument ID: CHW.i Calib Start Date: 10/30/2014 13:30

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 10/30/2014 19:16

Lab File ID: 10288_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.8836	0.9147		10.3	10.0	3.5	30.0
Benzene	Ave	0.7435	0.7183		9.66	10.0	-3.4	30.0
1,2-Dichloroethane	Ave	0.2573	0.2352		9.14	10.0	-8.6	30.0
n-Heptane	Ave	0.2831	0.2796		9.88	10.0	-1.2	30.0
n-Butanol	Ave	0.1019	0.0987		9.68	10.0	-3.2	30.0
Trichloroethene	Ave	0.3367	0.3379		10.0	10.0	0.3	30.0
1,2-Dichloropropane	Ave	0.2431	0.2294		9.43	10.0	-5.7	30.0
Methyl methacrylate	Ave	0.2377	0.2318		9.75	10.0	-2.5	30.0
1,4-Dioxane	Ave	0.1273	0.1252		9.83	10.0	-1.7	30.0
Dibromomethane	Ave	0.4231	0.4305		10.2	10.0	1.7	30.0
Bromodichloromethane	Ave	0.5212	0.4934		9.46	10.0	-5.3	30.0
cis-1,3-Dichloropropene	Ave	0.3488	0.3666		10.5	10.0	5.1	30.0
methyl isobutyl ketone	Ave	0.3734	0.3568		9.55	10.0	-4.5	30.0
n-Octane	Ave	0.3672	0.3660		9.96	10.0	-0.3	30.0
Toluene	Ave	0.6059	0.6387		10.5	10.0	5.4	30.0
trans-1,3-Dichloropropene	Ave	0.3612	0.3636		10.1	10.0	0.6	30.0
1,1,2-Trichloroethane	Ave	0.2947	0.2834		9.62	10.0	-3.8	30.0
Tetrachloroethene	Ave	0.6527	0.7018		10.8	10.0	7.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3822	0.3683		9.63	10.0	-3.6	30.0
Dibromochloromethane	Ave	0.7221	0.7335		10.2	10.0	1.6	30.0
1,2-Dibromoethane	Ave	0.5737	0.5841		10.2	10.0	1.8	30.0
Chlorobenzene	Ave	0.9684	0.9501		9.81	10.0	-1.9	30.0
Ethylbenzene	Ave	1.285	1.335		10.4	10.0	3.9	30.0
n-Nonane	Ave	0.4655	0.4772		10.2	10.0	2.5	30.0
m,p-Xylene	Ave	0.5519	0.5906		21.4	20.0	7.0	30.0
Xylene, o-	Ave	0.5439	0.5988		11.0	10.0	10.1	30.0
Styrene	Ave	0.8166	0.9097		11.1	10.0	11.4	30.0
Bromoform	Ave	0.7715	0.8213		10.6	10.0	6.4	30.0
Cumene	Ave	1.499	1.653		11.0	10.0	10.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7840	0.7586		9.67	10.0	-3.2	30.0
n-Propylbenzene	Ave	1.755	1.871		10.7	10.0	6.6	30.0
1,2,3-Trichloropropane	Ave	0.5774	0.5441		9.42	10.0	-5.8	30.0
n-Decane	Ave	0.6460	0.6368		9.86	10.0	-1.4	30.0
4-Ethyltoluene	Ave	1.604	1.710		10.7	10.0	6.7	30.0
2-Chlorotoluene	Ave	1.312	1.328		10.1	10.0	1.3	30.0
1,3,5-Trimethylbenzene	Ave	1.344	1.425		10.6	10.0	6.0	30.0
Alpha Methyl Styrene	Ave	0.6908	0.8024		11.6	10.0	16.2	30.0
tert-Butylbenzene	Ave	1.368	1.479		10.8	10.0	8.1	30.0
1,2,4-Trimethylbenzene	Ave	1.347	1.436		10.7	10.0	6.7	30.0
sec-Butylbenzene	Ave	1.952	2.102		10.8	10.0	7.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Lab Sample ID: CCVIS 200-79678/2 Calibration Date: 10/31/2014 09:44

Instrument ID: CHW.i Calib Start Date: 10/30/2014 13:30

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 10/30/2014 19:16

Lab File ID: 10288_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.694	1.872		11.0	10.0	10.5	30.0
1,3-Dichlorobenzene	Ave	1.134	1.168		10.3	10.0	2.9	30.0
1,4-Dichlorobenzene	Ave	1.091	1.155		10.6	10.0	5.9	30.0
Benzyl chloride	Ave	1.026	1.084		10.6	10.0	5.6	30.0
n-Undecane	Ave	0.6901	0.6782		9.83	10.0	-1.7	30.0
n-Butylbenzene	Ave	1.445	1.491		10.3	10.0	3.2	30.0
1,2-Dichlorobenzene	Ave	1.087	1.112		10.2	10.0	2.3	30.0
n-Dodecane	Ave	0.5720	0.5692		9.95	10.0	-0.5	30.0
1,2,4-Trichlorobenzene	Ave	0.8218	0.8436		10.3	10.0	2.6	30.0
Hexachlorobutadiene	Ave	0.7437	0.7508		10.1	10.0	1.0	30.0
Naphthalene	Ave	1.536	1.649		10.7	10.0	7.3	30.0
1,2,3-Trichlorobenzene	Ave	0.6790	0.7448		11.0	10.0	9.7	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_002.d
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 31-Oct-2014 09:44:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010288-002
Misc. Info.: CCVIS
Operator ID: BPL Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 03-Nov-2014 09:12:57 Calib Date: 30-Oct-2014 19:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK035

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.387	4.387	0.000	98	345607	10.0	8.61	
2 Dichlorodifluoromethane	85	4.483	4.483	0.000	99	1673829	10.0	9.25	
6 Chlorodifluoromethane	51	4.547	4.547	0.000	97	736955	10.0	8.84	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.831	4.831	0.000	92	1683540	10.0	9.20	
8 Chloromethane	50	5.029	5.029	0.000	99	425746	10.0	8.79	
9 Butane	43	5.291	5.291	0.000	98	675478	10.0	9.09	
10 Vinyl chloride	62	5.350	5.350	0.000	97	565482	10.0	8.97	
11 Butadiene	54	5.446	5.446	0.000	91	380689	10.0	9.32	
13 BFB									
12 Bromomethane	94	6.307	6.307	0.000	99	583575	10.0	8.54	
14 Chloroethane	64	6.591	6.591	0.000	98	284852	10.0	8.31	
15 2-Methylbutane	43	6.671	6.671	0.000	92	497869	10.0	9.04	
16 Vinyl bromide	106	7.067	7.067	0.000	99	782523	10.0	10.3	
17 Trichlorofluoromethane	101	7.184	7.184	0.000	98	1711421	10.0	9.50	
18 Pentane	43	7.345	7.345	0.000	95	742205	10.0	9.32	
19 Ethanol	45	7.800	7.800	0.000	99	295849	15.0	14.2	
21 Ethyl ether	59	7.928	7.928	0.000	91	358489	10.0	10.0	
22 Acrolein	56	8.393	8.393	0.000	95	146741	10.0	9.56	
23 1,1,2-Trichloro-1,2,2-trif	101	8.426	8.426	0.000	93	1401279	10.0	9.62	
24 1,1-Dichloroethene	96	8.500	8.500	0.000	87	694683	10.0	10.1	
25 Acetone	43	8.731	8.731	0.000	91	632063	10.0	8.60	
26 Carbon disulfide	76	8.987	8.987	0.000	98	1661085	10.0	9.59	
27 Isopropyl alcohol	45	9.025	9.025	0.000	98	565974	10.0	9.62	
29 3-Chloro-1-propene	41	9.383	9.383	0.000	88	515752	10.0	9.62	
30 Acetonitrile	41	9.512	9.512	0.000	99	279602	10.0	9.11	
31 Methylene Chloride	49	9.715	9.715	0.000	78	473955	10.0	8.72	
32 2-Methyl-2-propanol	59	9.891	9.891	0.000	99	890104	10.0	9.71	
33 Methyl tert-butyl ether	73	10.138	10.138	0.000	95	1636385	10.0	10.4	
S 41 1,2-Dichloroethene, Total	61				0		20.0	19.8	
34 trans-1,2-Dichloroethene	61	10.212	10.212	0.000	83	720734	10.0	9.55	
35 Acrylonitrile	53	10.357	10.357	0.000	95	328581	10.0	9.16	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 Hexane	57	10.630	10.630	0.000	86	787092	10.0	10.2	
37 1,1-Dichloroethane	63	11.175	11.175	0.000	99	953285	10.0	9.26	
38 Vinyl acetate	43	11.213	11.213	0.000	99	1040511	10.0	9.24	
39 cis-1,2-Dichloroethene	96	12.352	12.352	0.000	89	767020	10.0	10.2	
40 2-Butanone (MEK)	72	12.358	12.358	0.000	99	311345	10.0	9.18	
42 Ethyl acetate	88	12.384	12.384	0.000	98	59352	10.0	9.80	
44 Tetrahydrofuran	42	12.828	12.828	0.000	87	456934	10.0	9.09	
* 43 Chlorobromomethane	128	12.834	12.834	0.000	70	611380	10.0	10.0	
45 Chloroform	83	12.941	12.941	0.000	99	1268289	10.0	9.35	
46 Cyclohexane	84	13.240	13.240	0.000	80	964548	10.0	10.7	
47 1,1,1-Trichloroethane	97	13.251	13.251	0.000	96	1365346	10.0	9.54	
48 Carbon tetrachloride	117	13.508	13.508	0.000	96	1538067	10.0	9.84	
51 Isooctane	57	13.898	13.898	0.000	99	2584778	10.0	10.3	
50 Benzene	78	13.957	13.957	0.000	92	2029660	10.0	9.66	
52 1,2-Dichloroethane	62	14.118	14.118	0.000	97	664480	10.0	9.14	
53 n-Heptane	43	14.246	14.246	0.000	81	790098	10.0	9.88	
* 54 1,4-Difluorobenzene	114	14.717	14.717	0.000	91	2826335	10.0	10.0	
A 57 GRO	1	14.746	(6.661-22.832)		0	246908447	10.0	0	
55 n-Butanol	56	15.006	15.006	0.000	82	278753	10.0	9.68	
56 Trichloroethene	95	15.182	15.182	0.000	92	954730	10.0	10.0	
58 1,2-Dichloropropane	63	15.696	15.696	0.000	93	648092	10.0	9.43	
59 Methyl methacrylate	69	15.781	15.781	0.000	77	654912	10.0	9.75	
60 1,4-Dioxane	88	15.872	15.872	0.000	84	353645	10.0	9.83	
61 Dibromomethane	174	15.947	15.947	0.000	87	1216377	10.0	10.2	
62 Dichlorobromomethane	83	16.193	16.193	0.000	98	1394123	10.0	9.46	
A 63 TVOC as Toluene	92	16.603	(4.377-28.829)		0	439709225	10.0	2567.5	
64 cis-1,3-Dichloropropene	75	17.055	17.055	0.000	86	1036022	10.0	10.5	
65 4-Methyl-2-pentanone (MIBK	43	17.285	17.285	0.000	90	1008267	10.0	9.55	
69 n-Octane	43	17.616	17.616	0.000	84	1034158	10.0	9.96	
A 68 C8 Range	1	17.616	(17.566-17.666)		0	10792318	NC	NC	
A 67 Toluene Range	92	17.627	(17.587-17.667)		0	10792318	10.0	68.8	E
66 Toluene	92	17.627	17.627	0.000	93	1653466	10.0	10.5	
70 trans-1,3-Dichloropropene	75	18.157	18.157	0.000	92	1027359	10.0	10.1	
71 1,1,2-Trichloroethane	83	18.526	18.526	0.000	93	733773	10.0	9.62	
72 Tetrachloroethene	166	18.665	18.665	0.000	94	1816976	10.0	10.8	
73 2-Hexanone	43	18.906	18.906	0.000	89	953413	10.0	9.63	
74 Chlorodibromomethane	129	19.280	19.280	0.000	97	1898999	10.0	10.2	
75 Ethylene Dibromide	107	19.564	19.564	0.000	99	1512227	10.0	10.2	
S 82 Xylenes, Total	106				0		30.0	32.4	
* 76 Chlorobenzene-d5	117	20.409	20.409	0.000	80	2589360	10.0	10.0	
77 Chlorobenzene	112	20.468	20.468	0.000	99	2459540	10.0	9.81	
78 Ethylbenzene	91	20.580	20.580	0.000	95	3456711	10.0	10.4	
79 n-Nonane	57	20.634	20.634	0.000	80	1235371	10.0	10.2	
80 m-Xylene & p-Xylene	106	20.794	20.794	0.000	97	3058007	20.0	21.4	
83 o-Xylene	106	21.511	21.511	0.000	96	1550324	10.0	11.0	
84 Styrene	104	21.548	21.548	0.000	98	2354984	10.0	11.1	
85 Bromoform	173	21.934	21.934	0.000	99	2126183	10.0	10.6	
86 Isopropylbenzene	105	22.078	22.078	0.000	93	4280299	10.0	11.0	
$ 87 4-Bromofluorobenzene	95	22.415	22.415	0.000	96	1589797	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.640	22.640	0.000	97	1963872	10.0	9.67	
90 N-Propylbenzene	91	22.709	22.709	0.000	99	4843371	10.0	10.7	
89 1,2,3-Trichloropropane	75	22.741	22.741	0.000	92	1408664	10.0	9.42	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	22.822	22.822	0.000	80	1648531	10.0	9.86	
91 4-Ethyltoluene	105	22.881	22.881	0.000	96	4428027	10.0	10.7	
92 2-Chlorotoluene	91	22.913	22.913	0.000	92	3439255	10.0	10.1	
94 1,3,5-Trimethylbenzene	105	22.971	22.971	0.000	95	3689782	10.0	10.6	
95 Alpha Methyl Styrene	118	23.319	23.319	0.000	93	2077309	10.0	11.6	
96 tert-Butylbenzene	119	23.448	23.448	0.000	96	3828906	10.0	10.8	
97 1,2,4-Trimethylbenzene	105	23.539	23.539	0.000	95	3718576	10.0	10.7	
98 sec-Butylbenzene	105	23.774	23.774	0.000	98	5441468	10.0	10.8	
99 4-Isopropyltoluene	119	23.977	23.977	0.000	97	4845681	10.0	11.0	
100 1,3-Dichlorobenzene	146	24.047	24.047	0.000	99	3022630	10.0	10.3	
101 1,4-Dichlorobenzene	146	24.197	24.197	0.000	97	2990672	10.0	10.6	
102 Benzyl chloride	91	24.400	24.400	0.000	99	2807071	10.0	10.6	
104 Undecane	57	24.587	24.587	0.000	89	1755687	10.0	9.83	
103 n-Butylbenzene	91	24.614	24.614	0.000	97	3859423	10.0	10.3	
105 1,2-Dichlorobenzene	146	24.796	24.796	0.000	99	2879622	10.0	10.2	
106 Dodecane	57	26.379	26.379	0.000	90	1473519	10.0	9.95	
107 1,2,4-Trichlorobenzene	180	27.674	27.674	0.000	93	2183918	10.0	10.3	
108 Hexachlorobutadiene	225	27.872	27.872	0.000	98	1943717	10.0	10.1	
109 Naphthalene	128	28.257	28.257	0.000	99	4268660	10.0	10.7	
110 1,2,3-Trichlorobenzene	180	28.819	28.819	0.000	96	1928209	10.0	11.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Reagents:

ATTO15CAL4w_00392	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

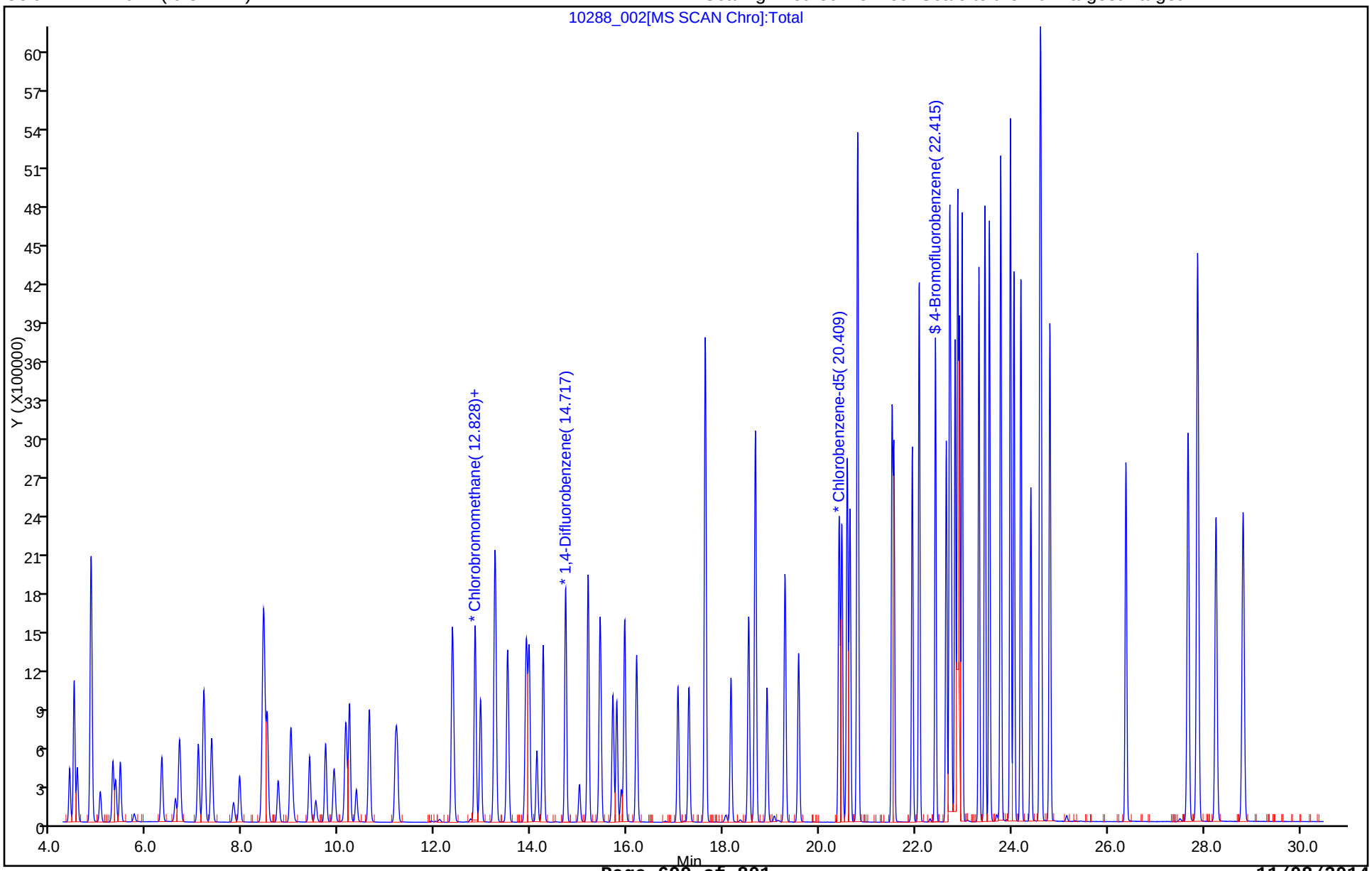
Report Date: 03-Nov-2014 09:12:58 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_002.d

Injection Date:	31-Oct-2014 09:44:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_01.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	29-Oct-2014 15:22:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0	Dil. Factor:	1.0000		
Sample Info:	200-0010262-001				
Misc. Info.:	bfb				
Operator ID:	pad	Instrument ID:	CHC.i		
Method:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\TO15_LLNJ_TO3_CHC.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	31-Oct-2014 08:31:54	Calib Date:	29-Oct-2014 22:37:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_10.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK027				
First Level Reviewer: lyonsb		Date:	30-Oct-2014 12:27:24		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
18 BFB									
* 43 Chlorobromomethane	128		10.510					0	
* 54 1,4-Difluorobenzene	114		12.517					0	
* 76 Chlorobenzene-d5	117		18.569					0	
$ 87 4-Bromofluorobenzene	95		20.917					ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

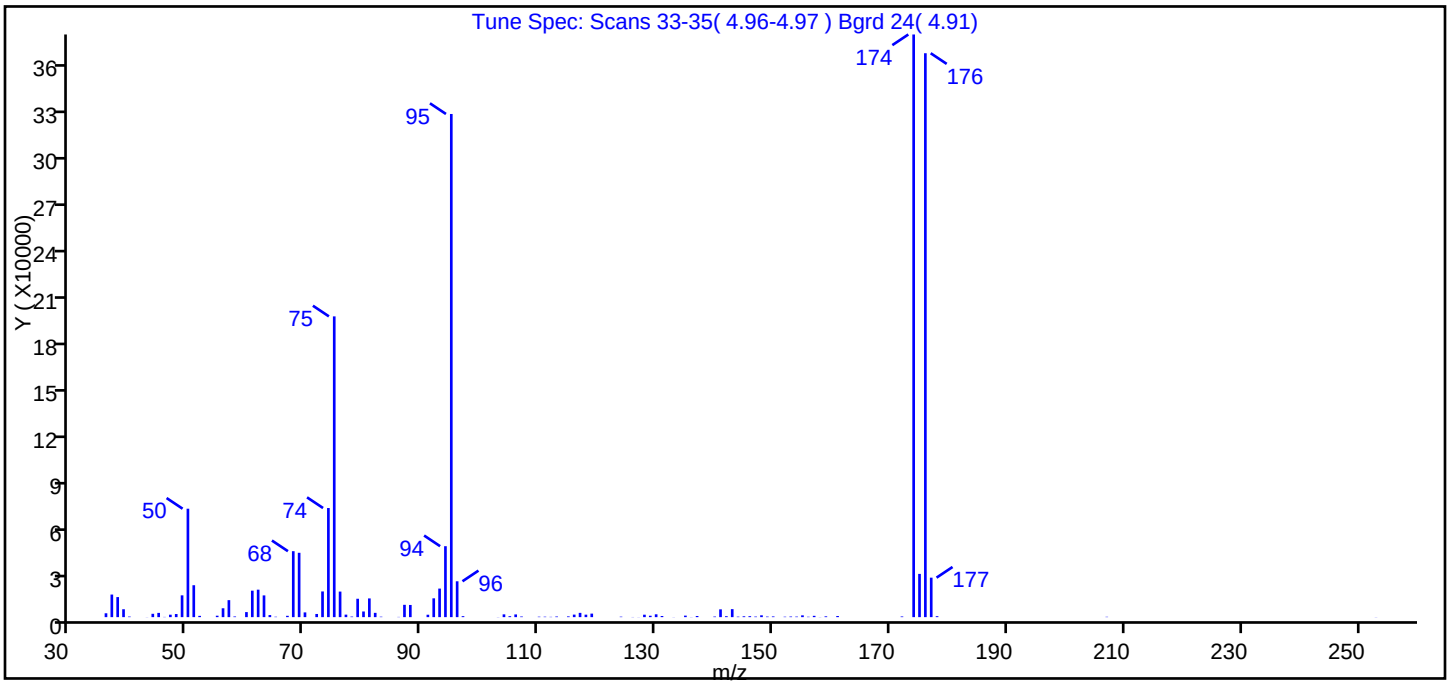
ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_01.D
Injection Date: 29-Oct-2014 15:22:30 Instrument ID: CHC.i
Lims ID: bfb
Client ID:
Operator ID: pad ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

18 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	21.60
75	30.00 - 66.00% of mass 95	59.80
96	5.00 - 9.00% of mass 95	7.10
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	115.80
175	4.00 - 9.00% of mass 174	8.60 (7.40)
176	93.00 - 101.00% of mass 174	112.10 (96.80)
177	5.00 - 9.00% of mass 176	7.80 (7.00)

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_01.D\TO15_LLNJ_TO3_CHC.rslt\spectra.d
Injection Date: 29-Oct-2014 15:22:30
Spectrum: Tune Spec: Scans 33-35(4.96-4.97) Bgrd 24(4.91)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 104

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2485	68.00	42312	104.00	1790	142.00	600
37.00	14495	69.00	41288	105.00	592	143.00	5134
38.00	12868	70.00	3044	106.00	1745	144.00	324
39.00	5073	72.00	2040	107.00	404	145.00	542
40.00	361	73.00	16488	110.00	292	146.00	611
43.00	67	74.00	70008	111.00	289	147.00	369
44.00	2149	75.00	192960	112.00	184	148.00	1179
45.00	2729	76.00	16400	113.00	410	149.00	355
46.00	141	77.00	1611	115.00	480	150.00	452
47.00	1568	78.00	367	116.00	1626	152.00	281
48.00	1993	79.00	11795	117.00	2747	153.00	395
49.00	13986	80.00	3634	118.00	1590	154.00	355
50.00	69568	81.00	12012	119.00	2267	155.00	1154
51.00	20480	82.00	2753	124.00	306	156.00	252
52.00	828	83.00	289	126.00	101	157.00	841
55.00	917	86.00	148	127.00	69	158.00	74
56.00	5692	87.00	7906	128.00	1568	159.00	515
57.00	10901	88.00	7816	129.00	902	161.00	726
58.00	429	91.00	1551	130.00	1824	172.00	433
60.00	3242	92.00	12075	131.00	723	174.00	373824
61.00	16984	93.00	18320	133.00	72	175.00	27744
62.00	17624	94.00	45520	135.00	974	176.00	361792
63.00	13950	95.00	322816	136.00	82	177.00	25336
64.00	1337	96.00	23008	137.00	734	178.00	605
65.00	258	97.00	629	140.00	381	207.00	221
67.00	860	103.00	84	141.00	5003	253.00	77

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141103-10320.b\10320_01.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	03-Nov-2014 09:55:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0	Dil. Factor:	1.0000		
Sample Info:	200-0010320-001				
Misc. Info.:	bfb				
Operator ID:	pad	Instrument ID:	CHC.i		
Method:	\\BTV-LIMS1\ChromData\CHC.i\20141103-10320.b\TO15_LLNJ_TO3_CHC.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	04-Nov-2014 09:09:54	Calib Date:	29-Oct-2014 22:37:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_10.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK019				

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
18 BFB									
* 43 Chlorobromomethane	128		10.505					0	
* 54 1,4-Difluorobenzene	114		12.512					0	
* 76 Chlorobenzene-d5	117		18.569					0	
$ 87 4-Bromofluorobenzene	95		20.912					ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

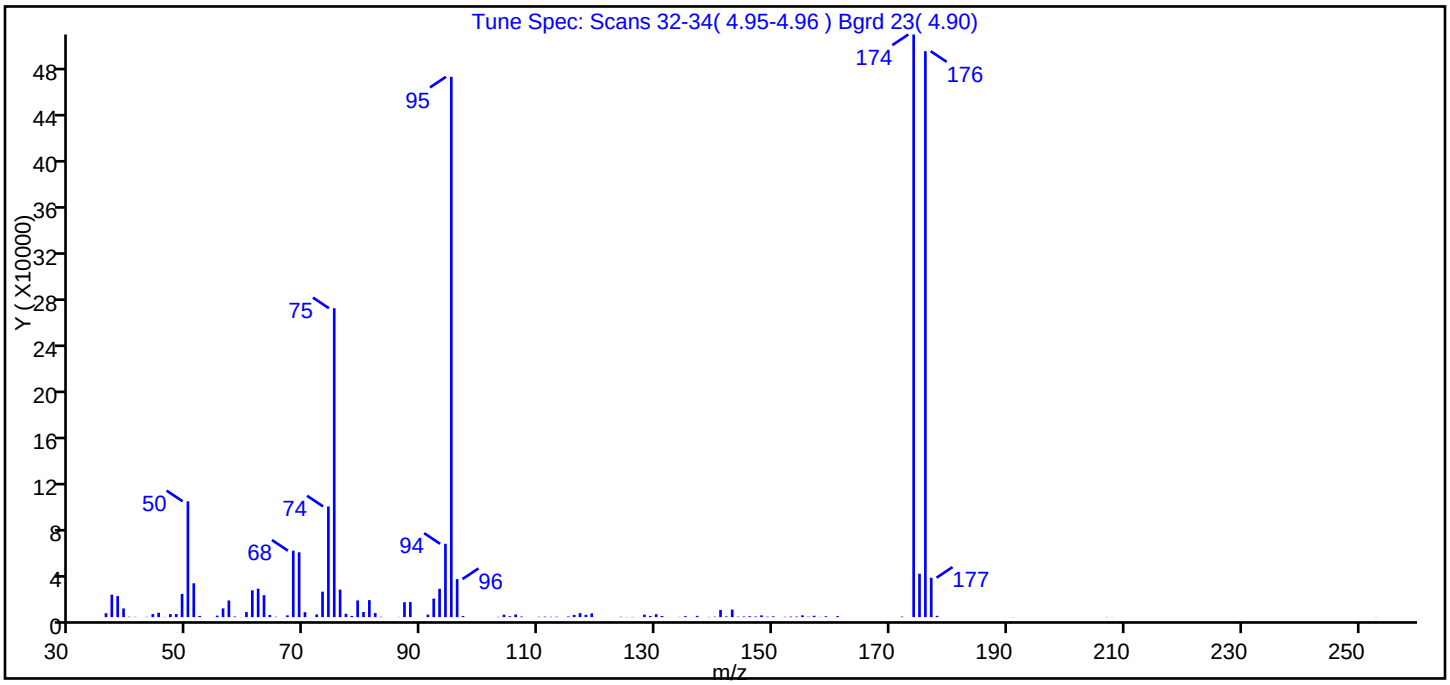
ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141103-10320.b\10320_01.D				
Injection Date:	03-Nov-2014 09:55:30	Instrument ID:	CHC.i		
Lims ID:	bfb				
Client ID:					
Operator ID:	pad	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Tune Method:	BFB Method TO-15				

18 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	21.40
75	30.00 - 66.00% of mass 95	57.20
96	5.00 - 9.00% of mass 95	7.00
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	107.80
175	4.00 - 9.00% of mass 174	8.00 (7.40)
176	93.00 - 101.00% of mass 174	104.70 (97.10)
177	5.00 - 9.00% of mass 176	7.30 (7.00)

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141103-10320.b\10320_01.D\TO15_LLNJ_TO3_CHC.rslt\spectra.d
Injection Date: 03-Nov-2014 09:55:30
Spectrum: Tune Spec: Scans 32-34(4.95-4.96) Bgrd 23(4.90)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 113

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3406	69.00	56600	107.00	549	144.00	397
37.00	19576	70.00	4311	110.00	297	145.00	575
38.00	18376	71.00	76	111.00	489	146.00	781
39.00	7612	72.00	2383	112.00	312	147.00	552
40.00	357	73.00	22240	113.00	376	148.00	1573
41.00	255	74.00	96616	115.00	599	149.00	400
43.00	273	75.00	269568	116.00	1939	150.00	675
44.00	2707	76.00	24008	117.00	3481	152.00	314
45.00	3851	77.00	2930	118.00	2046	153.00	509
46.00	211	78.00	1022	119.00	3259	154.00	508
47.00	2667	79.00	14601	123.00	69	155.00	1605
48.00	2732	80.00	4540	124.00	347	156.00	418
49.00	20224	81.00	14871	125.00	164	157.00	1206
50.00	101096	82.00	3575	126.00	195	158.00	198
51.00	29568	83.00	319	127.00	79	159.00	778
52.00	1079	86.00	174	128.00	2164	161.00	904
55.00	1314	87.00	13004	129.00	1048	172.00	490
56.00	7663	88.00	13128	130.00	2582	174.00	508480
57.00	14555	91.00	2204	131.00	989	175.00	37848
58.00	593	92.00	16159	132.00	70	176.00	493888
59.00	75	93.00	24744	134.00	210	177.00	34400
60.00	4425	94.00	63992	135.00	868	178.00	1141
61.00	23424	95.00	471552	136.00	74	191.00	137
62.00	24864	96.00	33216	137.00	1126	207.00	188
63.00	19168	97.00	1036	139.00	230	208.00	110
64.00	1870	103.00	273	140.00	369	253.00	154
65.00	343	104.00	2154	141.00	6234		
67.00	1517	105.00	789	142.00	635		
68.00	58008	106.00	2315	143.00	6572		

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_001.d				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	30-Oct-2014 10:45:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0 mL	Dil. Factor:	1.0000		
Sample Info:	200-0010272-001				
Misc. Info.:	BFB				
Operator ID:	BPL	Instrument ID:	CHW.i		
Method:	\\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\TO15_LLNJ_TO3_W_(v1).m				
Limit Group:	AI_TO15_ICAL				
Last Update:	31-Oct-2014 08:17:38	Calib Date:	30-Oct-2014 19:16:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_011.d				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK027				
First Level Reviewer: lyonsb		Date:	30-Oct-2014 12:07:43		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
13 BFB									
* 43 Chlorobromomethane	128		12.828					0	
* 54 1,4-Difluorobenzene	114		14.711					0	
* 76 Chlorobenzene-d5	117		20.409					0	
$ 87 4-Bromofluorobenzene	95		22.415					ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

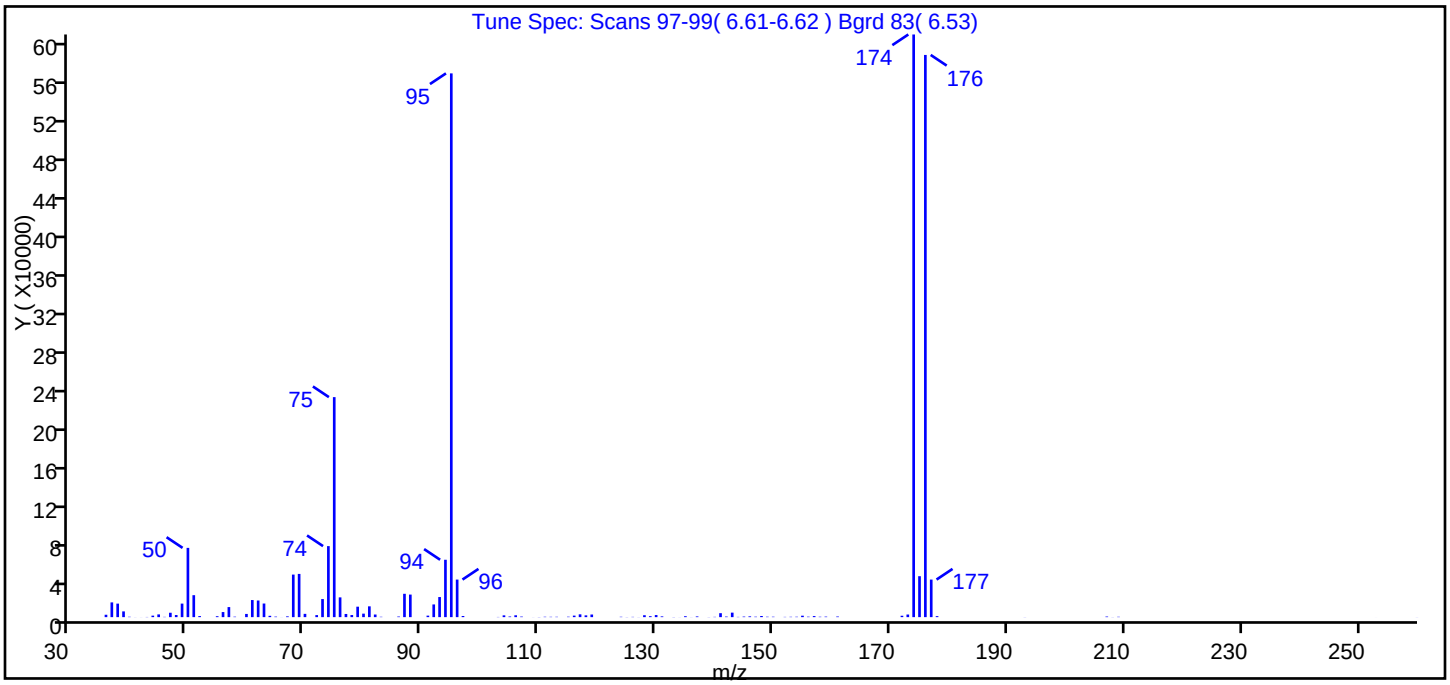
ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_001.d
Injection Date: 30-Oct-2014 10:45:30 Instrument ID: CHW.i
Lims ID: BFB
Client ID:
Operator ID: BPL ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

13 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	12.70
75	30.00 - 66.00% of mass 95	40.50
96	5.00 - 9.00% of mass 95	6.90
173	Less than 2.00% of mass 174	0.50 (0.40)
174	50.00 - 120.00% of mass 95	107.20
175	4.00 - 9.00% of mass 174	7.50 (7.00)
176	93.00 - 101.00% of mass 174	103.40 (96.50)
177	5.00 - 9.00% of mass 176	6.90 (6.70)

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_001.d\TO15_LLNJ_TO3_W_(v1).rslt\spectra.d
Injection Date: 30-Oct-2014 10:45:30
Spectrum: Tune Spec: Scans 97-99(6.61-6.62) Bgrd 83(6.53)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 116

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2498	68.00	44464	107.00	585	144.00	263
37.00	15407	69.00	45152	109.00	58	145.00	586
38.00	14126	70.00	3435	110.00	147	146.00	819
39.00	6011	72.00	2126	111.00	408	147.00	472
40.00	389	73.00	18888	112.00	349	148.00	1189
41.00	68	74.00	74192	113.00	369	149.00	435
42.00	50	75.00	229824	115.00	457	150.00	440
43.00	190	76.00	20648	116.00	1603	152.00	269
44.00	1562	77.00	3309	117.00	2934	153.00	365
45.00	2856	78.00	2182	118.00	1871	154.00	425
46.00	283	79.00	10927	119.00	2750	155.00	1506
47.00	4589	80.00	3662	124.00	386	156.00	486
48.00	2206	81.00	11296	125.00	127	157.00	1110
49.00	14148	82.00	2741	126.00	284	158.00	424
50.00	72352	83.00	374	127.00	87	159.00	552
51.00	22936	86.00	637	128.00	2003	161.00	653
52.00	1101	87.00	24392	129.00	986	172.00	1459
55.00	967	88.00	23576	130.00	2167	173.00	2736
56.00	5311	91.00	1575	131.00	786	174.00	608640
57.00	10504	92.00	13274	133.00	147	175.00	42776
58.00	481	93.00	21000	134.00	64	176.00	587264
60.00	3354	94.00	59944	135.00	955	177.00	39248
61.00	17856	95.00	568000	136.00	73	178.00	1048
62.00	17384	96.00	39248	137.00	748	193.00	94
63.00	14222	97.00	1183	139.00	118	207.00	627
64.00	1386	103.00	203	140.00	294	208.00	95
65.00	543	104.00	1871	141.00	4142	209.00	372
66.00	52	105.00	666	142.00	591	253.00	21
67.00	805	106.00	1931	143.00	4705	260.00	61

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_001.d				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	31-Oct-2014 08:50:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0 mL	Dil. Factor:	1.0000		
Sample Info:	200-0010288-001				
Misc. Info.:	BFB				
Operator ID:	BPL	Instrument ID:	CHW.i		
Method:	\\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\TO15_LLNJ_TO3_W_(v1).m				
Limit Group:	AI_TO15_ICAL				
Last Update:	03-Nov-2014 09:12:58	Calib Date:	30-Oct-2014 19:16:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_011.d				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK035				

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
13 BFB									
* 43 Chlorobromomethane	128		12.834					0	
* 54 1,4-Difluorobenzene	114		14.717					0	
* 76 Chlorobenzene-d5	117		20.409					0	
$ 87 4-Bromofluorobenzene	95		22.415					ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

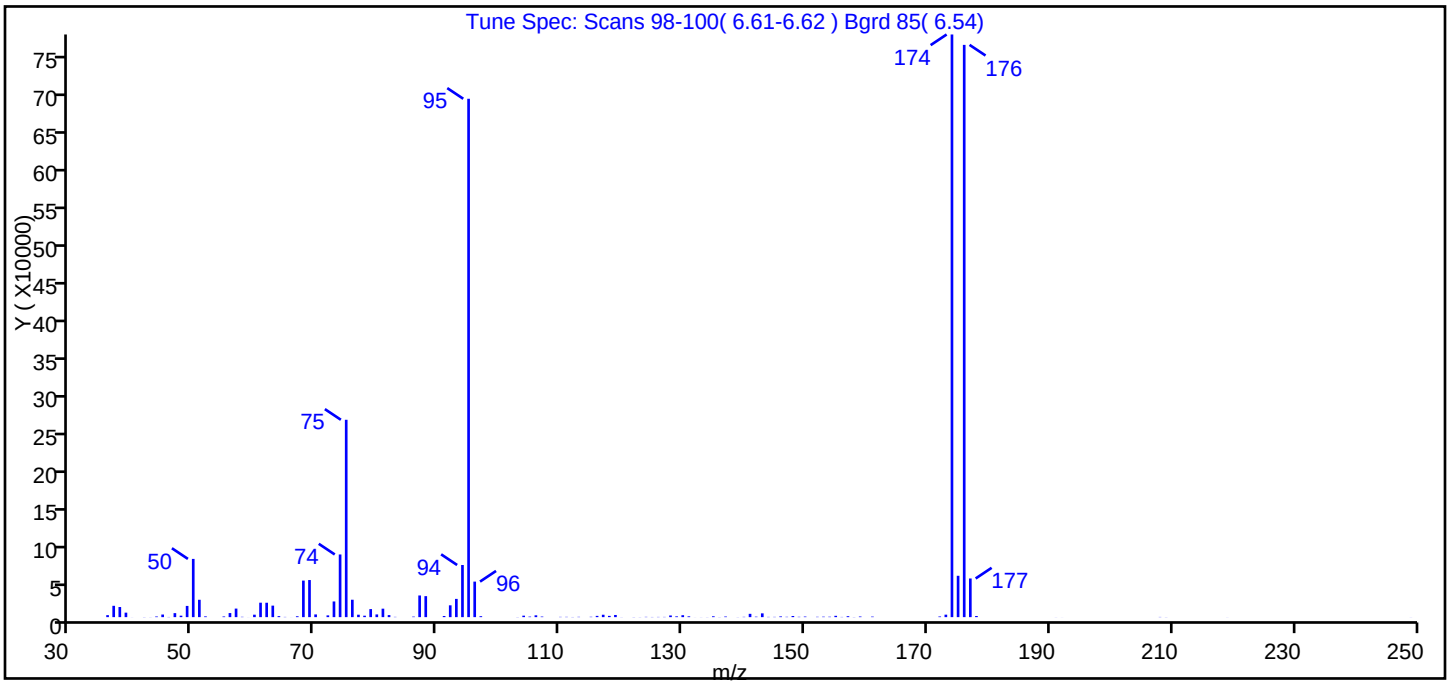
ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_001.d				
Injection Date:	31-Oct-2014 08:50:30	Instrument ID:	CHW.i		
Lims ID:	BFB				
Client ID:					
Operator ID:	BPL	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Tune Method:	BFB Method TO-15				

13 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	11.20
75	30.00 - 66.00% of mass 95	38.10
96	5.00 - 9.00% of mass 95	6.90
173	Less than 2.00% of mass 174	0.50 (0.40)
174	50.00 - 120.00% of mass 95	112.40
175	4.00 - 9.00% of mass 174	8.00 (7.10)
176	93.00 - 101.00% of mass 174	110.40 (98.20)
177	5.00 - 9.00% of mass 176	7.50 (6.80)

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_001.d\TO15_LLNJ_TO3_W_(v1).rslt\spectra.c
Injection Date: 31-Oct-2014 08:50:30
Spectrum: Tune Spec: Scans 98-100(6.61-6.62) Bgrd 85(6.54)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 119

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2649	69.00	49128	111.00	383	144.00	338
37.00	14999	70.00	3596	112.00	208	145.00	351
38.00	13409	72.00	2343	113.00	402	146.00	972
39.00	5941	73.00	20768	115.00	486	147.00	437
40.00	69	74.00	82984	116.00	1670	148.00	1506
42.00	167	75.00	261312	117.00	3186	149.00	436
43.00	112	76.00	23056	118.00	1678	150.00	766
44.00	865	77.00	3222	119.00	2864	152.00	446
45.00	3468	78.00	1910	120.00	113	153.00	617
46.00	238	79.00	10662	122.00	174	154.00	555
47.00	5306	80.00	3597	123.00	138	155.00	1757
48.00	1936	81.00	11211	124.00	377	156.00	273
49.00	14859	82.00	2724	125.00	229	157.00	1241
50.00	77112	83.00	353	126.00	295	158.00	180
51.00	23000	86.00	698	127.00	306	159.00	830
52.00	1020	87.00	28696	128.00	2200	161.00	709
55.00	899	88.00	27808	129.00	1040	172.00	883
56.00	5406	91.00	1480	130.00	2564	173.00	3286
57.00	11332	92.00	15660	131.00	1045	174.00	771456
58.00	428	93.00	24160	132.00	62	175.00	54760
59.00	56	94.00	69032	133.00	89	176.00	757696
60.00	3246	95.00	686336	134.00	117	177.00	51192
61.00	19128	96.00	47048	135.00	1120	178.00	1500
62.00	19064	97.00	1244	136.00	144	191.00	83
63.00	15246	103.00	162	137.00	817	192.00	51
64.00	1328	104.00	1953	139.00	124	208.00	269
65.00	301	105.00	702	140.00	398	209.00	124
66.00	52	106.00	2404	141.00	4388	219.00	68
67.00	1159	107.00	759	142.00	619	249.00	77
68.00	48400	110.00	360	143.00	5013		

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-79678/4

Matrix: Air Lab File ID: 10288_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/31/2014 11:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.20	U	0.50	0.056
75-45-6	Freon 22	86.47	0.20	U	0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.20	U	0.50	0.060
106-97-8	n-Butane	58.12	0.20	U	0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.080	U	0.20	0.045
76-13-1	Freon TF	187.38	0.080	U	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	2.5	U	5.0	0.69
67-63-0	Isopropyl alcohol	60.10	0.50	U	5.0	0.15
75-15-0	Carbon disulfide	76.14	0.080	U	0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.20	U	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.20	U	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.030	U	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	0.20	U	0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.080	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.053
67-66-3	Chloroform	119.38	0.080	U	0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.20	U	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.030
110-82-7	Cyclohexane	84.16	0.030	U	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.030	U	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.030	U	0.20	0.023
71-43-2	Benzene	78.11	0.030	U	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-79678/4

Matrix: Air Lab File ID: 10288_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/31/2014 11:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.080	U	0.20	0.037
79-01-6	Trichloroethene	131.39	0.030	U	0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.030	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.20	U	0.50	0.18
108-88-3	Toluene	92.14	0.030	U	0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.030	U	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.030	U	0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.060	U	0.50	0.025
95-47-6	Xylene, o-	106.17	0.030	U	0.20	0.018
1330-20-7	Xylene (total)	106.17	0.090	U	0.20	0.041
100-42-5	Styrene	104.15	0.030	U	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U	0.20	0.025
98-82-8	Cumene	120.19	0.030	U	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.030	U	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.030	U	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.030	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.030	U	0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.030	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.0260	J	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.0304	J M	0.20	0.019

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-79678/4

Matrix: Air Lab File ID: 10288_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/31/2014 11:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.0262	J	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.0464	J	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.080	U	0.50	0.030

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-79678/4

Matrix: Air Lab File ID: 10288_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/31/2014 11:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.99	U	2.5	0.28
75-45-6	Freon 22	86.47	0.71	U	1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	0.41	U	1.0	0.12
106-97-8	n-Butane	58.12	0.48	U	1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	0.45	U	1.1	0.25
76-13-1	Freon TF	187.38	0.61	U	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	5.9	U	12	1.6
67-63-0	Isopropyl alcohol	60.10	1.2	U	12	0.37
75-15-0	Carbon disulfide	76.14	0.25	U	1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.69	U	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	0.61	U	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	0.11	U	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	0.59	U	1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.32	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.21
67-66-3	Chloroform	119.38	0.39	U	0.98	0.19
109-99-9	Tetrahydrofuran	72.11	0.59	U	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.16
110-82-7	Cyclohexane	84.16	0.10	U	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.19	U	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.14	U	0.93	0.11
71-43-2	Benzene	78.11	0.096	U	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-79678/4

Matrix: Air Lab File ID: 10288_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/31/2014 11:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.33	U	0.82	0.15
79-01-6	Trichloroethene	131.39	0.16	U	1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.20	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.82	U	2.0	0.74
108-88-3	Toluene	92.14	0.11	U	0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.82	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	0.13	U	0.87	0.087
179601-23-1	m,p-Xylene	106.17	0.26	U	2.2	0.11
95-47-6	Xylene, o-	106.17	0.13	U	0.87	0.078
1330-20-7	Xylene (total)	106.17	0.39	U	0.87	0.18
100-42-5	Styrene	104.15	0.13	U	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U	2.1	0.26
98-82-8	Cumene	120.19	0.15	U	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.15	U	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.15	U	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.15	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	0.15	U	0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.16	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.156	J	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.183	J M	1.2	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-79678/4

Matrix: Air Lab File ID: 10288_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/31/2014 11:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.157	J	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.345	J	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.42	U	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_004.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 31-Oct-2014 11:23:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010288-004
Misc. Info.: MB
Operator ID: BPL Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 03-Nov-2014 09:47:58 Calib Date: 30-Oct-2014 19:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: lyonsb Date: 03-Nov-2014 08:43:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		4.387					0	
2 Dichlorodifluoromethane	85		4.483					ND	
6 Chlorodifluoromethane	51		4.547					ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.831					ND	
8 Chloromethane	50		5.029					ND	
9 Butane	43		5.291					ND	
10 Vinyl chloride	62		5.350					ND	
11 Butadiene	54		5.446					ND	
12 Bromomethane	94		6.307					ND	
14 Chloroethane	64		6.591					ND	
15 2-Methylbutane	43		6.671					ND	
16 Vinyl bromide	106		7.067					ND	
17 Trichlorofluoromethane	101		7.184					ND	
28 Methyl Acetate TIC	43		7.318					ND	
18 Pentane	43		7.345					ND	
19 Ethanol	45		7.800					ND	
21 Ethyl ether	59		7.928					ND	
22 Acrolein	56		8.393					ND	
23 1,1,2-Trichloro-1,2,2-trif	101		8.426					ND	
24 1,1-Dichloroethene	96		8.500					ND	
25 Acetone	43		8.731					ND	
26 Carbon disulfide	76		8.987					ND	
27 Isopropyl alcohol	45		9.025					ND	
29 3-Chloro-1-propene	41		9.383					ND	
30 Acetonitrile	41		9.512					ND	
31 Methylene Chloride	49		9.715					ND	
32 2-Methyl-2-propanol	59		9.891					ND	
33 Methyl tert-butyl ether	73		10.138					ND	
S 41 1,2-Dichloroethene, Total	61		10.200					0	
34 trans-1,2-Dichloroethene	61		10.212					ND	
35 Acrylonitrile	53		10.357					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 Hexane	57		10.630					ND	
37 1,1-Dichloroethane	63		11.175					ND	
38 Vinyl acetate	43		11.213					ND	
49 Methyl cyclohexane TIC	55		11.500					ND	
39 cis-1,2-Dichloroethene	96		12.352					ND	
40 2-Butanone (MEK)	72		12.358					ND	
42 Ethyl acetate	88		12.384					ND	
44 Tetrahydrofuran	42		12.828					ND	
* 43 Chlorobromomethane	128	12.834	12.834	0.000	69	639288	10.0	10.0	
45 Chloroform	83		12.941					ND	
46 Cyclohexane	84		13.240					ND	
47 1,1,1-Trichloroethane	97		13.251					ND	
48 Carbon tetrachloride	117		13.508					ND	
51 Isooctane	57		13.898					ND	
50 Benzene	78		13.957					ND	
52 1,2-Dichloroethane	62		14.118					ND	
53 n-Heptane	43		14.246					ND	
* 54 1,4-Difluorobenzene	114	14.712	14.717	-0.005	91	3004046	10.0	10.0	
A 57 GRO	1	14.746	(6.661-22.832)		0	526106		0	
55 n-Butanol	56		15.006					ND	
56 Trichloroethene	95		15.182					ND	
58 1,2-Dichloropropane	63		15.696					ND	
59 Methyl methacrylate	69		15.781					ND	
60 1,4-Dioxane	88		15.872					ND	
61 Dibromomethane	174		15.947					ND	
62 Dichlorobromomethane	83		16.193					ND	
A 63 TVOC as Toluene	92		(4.377-28.829)					0	
64 cis-1,3-Dichloropropene	75		17.055					ND	
65 4-Methyl-2-pentanone (MIBK	43		17.285					ND	
69 n-Octane	43		17.616					ND	
A 68 C8 Range	1	17.616	(17.584-17.622)		0	849		NC	
A 67 Toluene Range	92		(17.587-17.667)					0	
66 Toluene	92		17.627					ND	
70 trans-1,3-Dichloropropene	75		18.157					ND	
71 1,1,2-Trichloroethane	83		18.526					ND	
72 Tetrachloroethene	166		18.665					ND	
73 2-Hexanone	43		18.906					ND	
74 Chlorodibromomethane	129		19.280					ND	
81 1,2-Dibromo-3-Chloropropan	75		19.300					ND	
75 Ethylene Dibromide	107		19.564					ND	
S 82 Xylenes, Total	106				0			0.0198	
* 76 Chlorobenzene-d5	117	20.409	20.409	0.000	80	2706851	10.0	10.0	
77 Chlorobenzene	112		20.468					ND	
78 Ethylbenzene	91	20.580	20.580	0.000	93	3262		0.009379	
79 n-Nonane	57		20.634					ND	
80 m-Xylene & p-Xylene	106	20.800	20.794	0.006	96	2195		0.0147	
83 o-Xylene	106	21.511	21.511	0.000	86	752		0.005108	
84 Styrene	104		21.548					ND	
85 Bromoform	173		21.934					ND	
86 Isopropylbenzene	105		22.078					ND	
$ 87 4-Bromofluorobenzene	95	22.415	22.415	0.000	96	1517965	NC	NC	
88 1,1,2,2-Tetrachloroethane	83		22.640					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 N-Propylbenzene	91		22.709					ND	
89 1,2,3-Trichloropropane	75		22.741					ND	
93 n-Decane	57		22.822					ND	
91 4-Ethyltoluene	105		22.881					ND	
92 2-Chlorotoluene	91		22.913					ND	
94 1,3,5-Trimethylbenzene	105		22.971					ND	
95 Alpha Methyl Styrene	118		23.319					ND	
96 tert-Butylbenzene	119		23.448					ND	
97 1,2,4-Trimethylbenzene	105		23.539					ND	
98 sec-Butylbenzene	105		23.774					ND	
99 4-Isopropyltoluene	119		23.977					ND	
100 1,3-Dichlorobenzene	146	24.052	24.047	0.005	96	7991		0.0260	
101 1,4-Dichlorobenzene	146	24.202	24.197	0.005	97	8965		0.0304	M
102 Benzyl chloride	91		24.400					ND	
104 Undecane	57		24.587					ND	
103 n-Butylbenzene	91		24.614					ND	
105 1,2-Dichlorobenzene	146	24.796	24.796	0.000	98	7707		0.0262	
106 Dodecane	57		26.379					ND	
107 1,2,4-Trichlorobenzene	180	27.685	27.674	0.011	92	10332		0.0464	
108 Hexachlorobutadiene	225	27.883	27.872	0.011	95	6801		0.0338	
109 Naphthalene	128		28.257					ND	
110 1,2,3-Trichlorobenzene	180		28.819					ND	
T 116 1,1,1,2-Tetrachloroethane	1		0.000					0	
115 Methyl acetylene TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

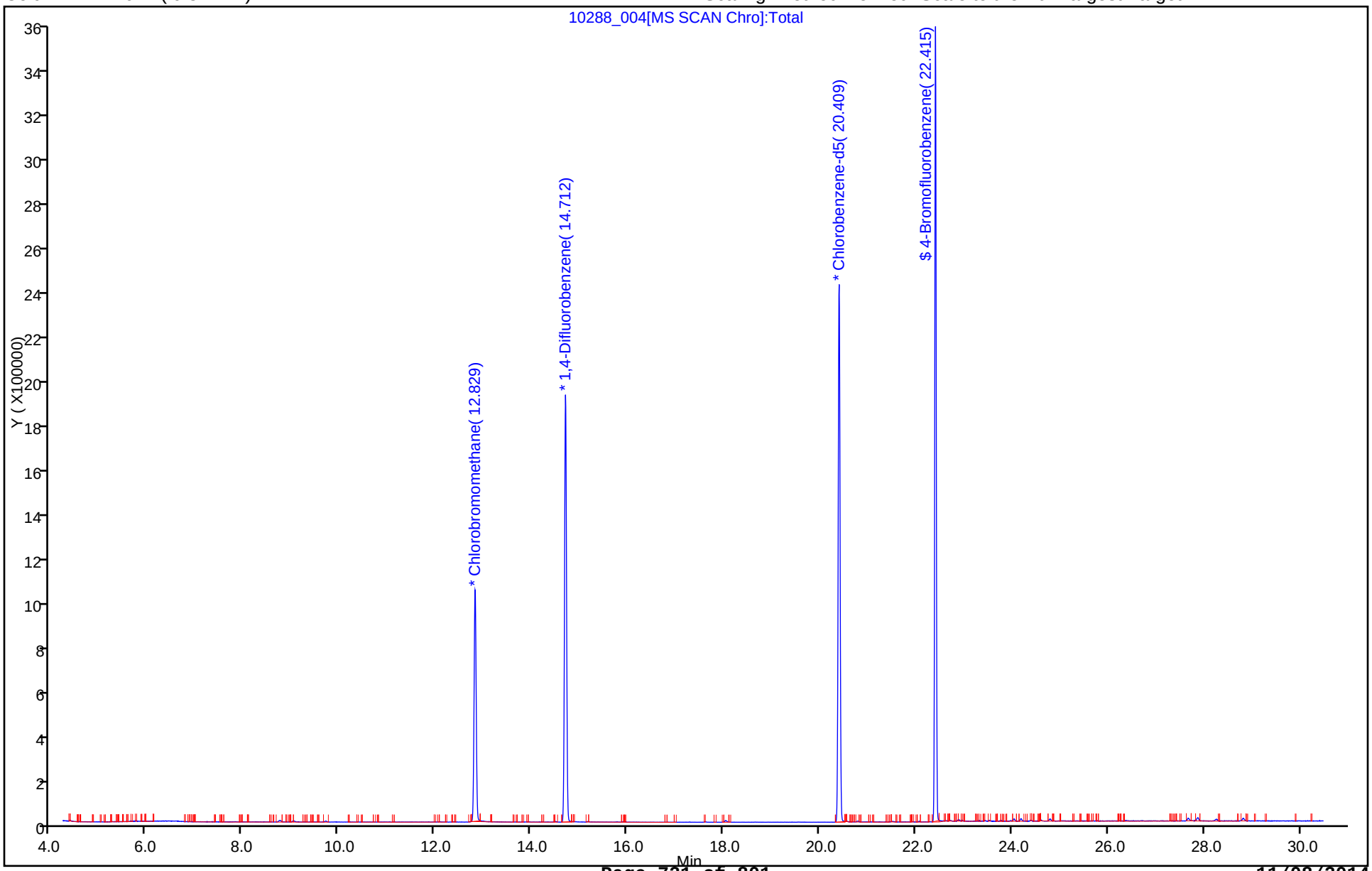
Report Date: 03-Nov-2014 09:48:05 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

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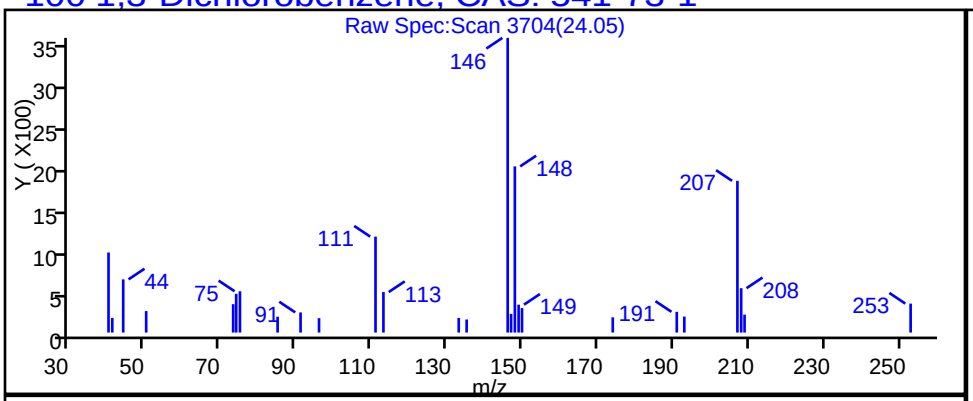
Injection Date:	31-Oct-2014 11:23:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	MB			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

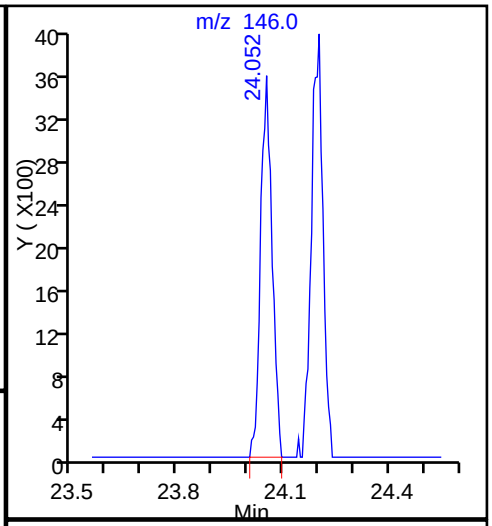
Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

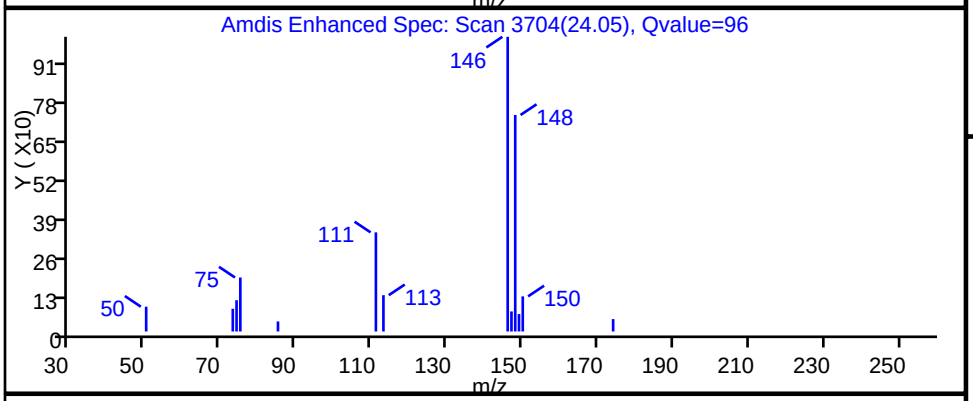


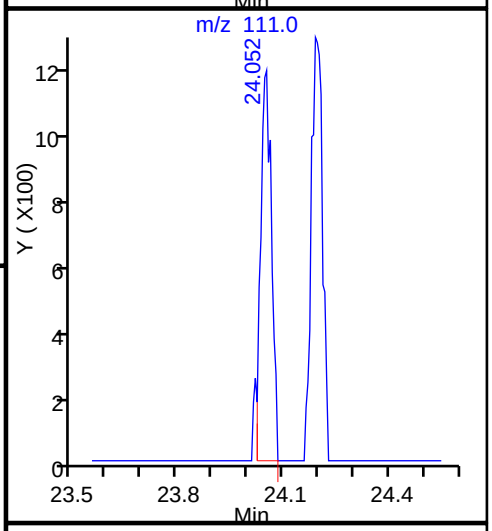
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Injection Date: 31-Oct-2014 11:23:30 Instrument ID: CHW.i
Lims ID: MB
Client ID:
Operator ID: BPL ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

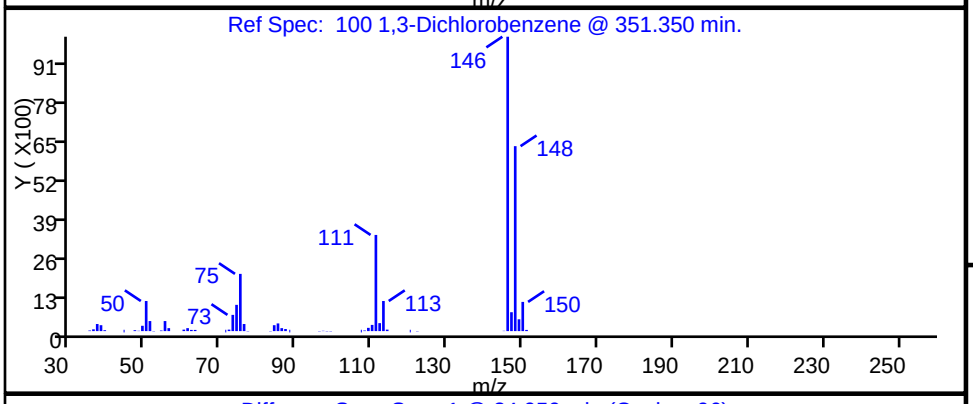
100 1,3-Dichlorobenzene, CAS: 541-73-1

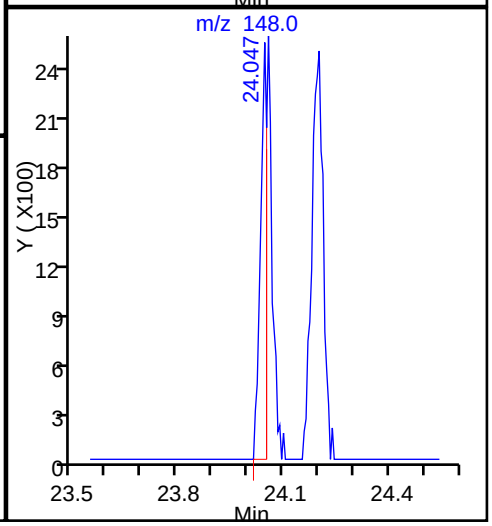


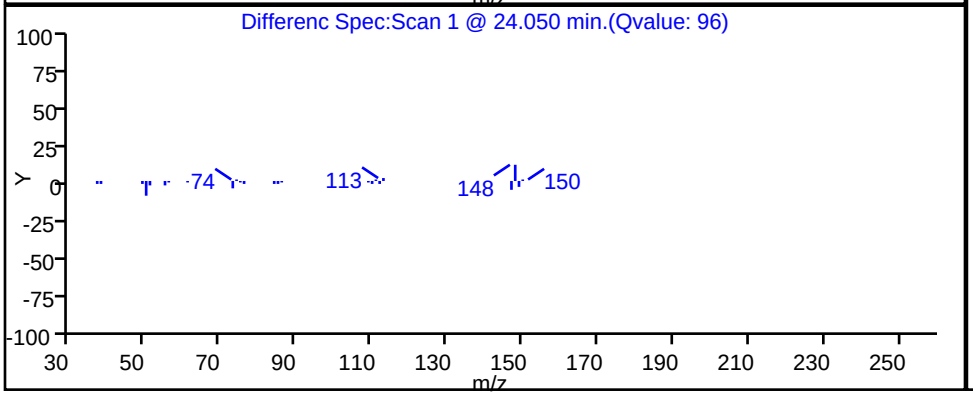








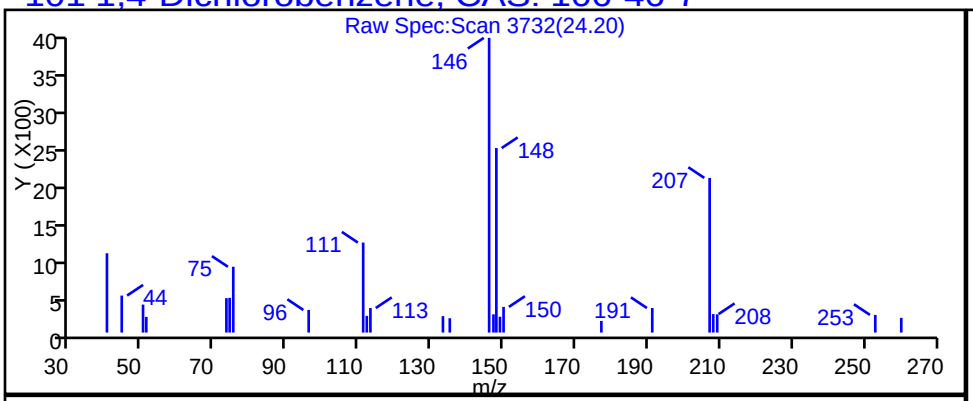


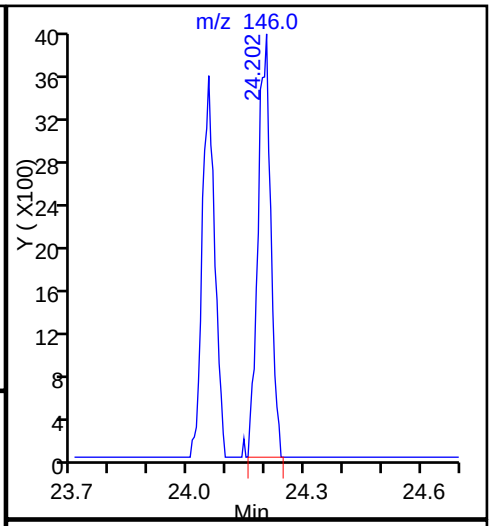


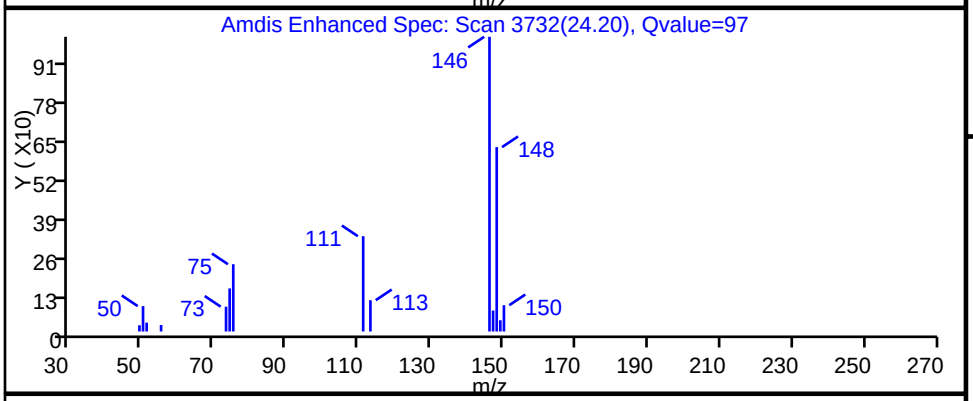
TestAmerica Burlington

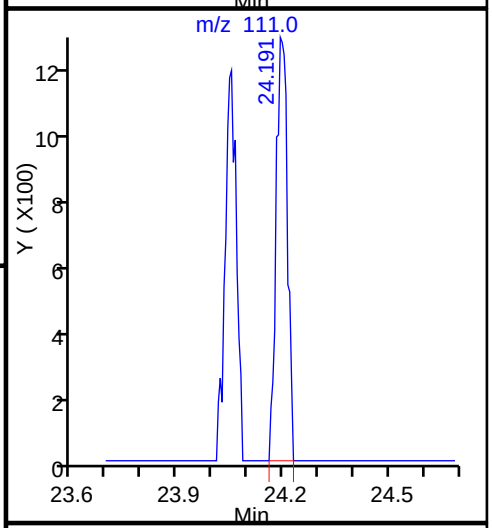
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Injection Date: 31-Oct-2014 11:23:30 Instrument ID: CHW.i
Lims ID: MB
Client ID:
Operator ID: BPL ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

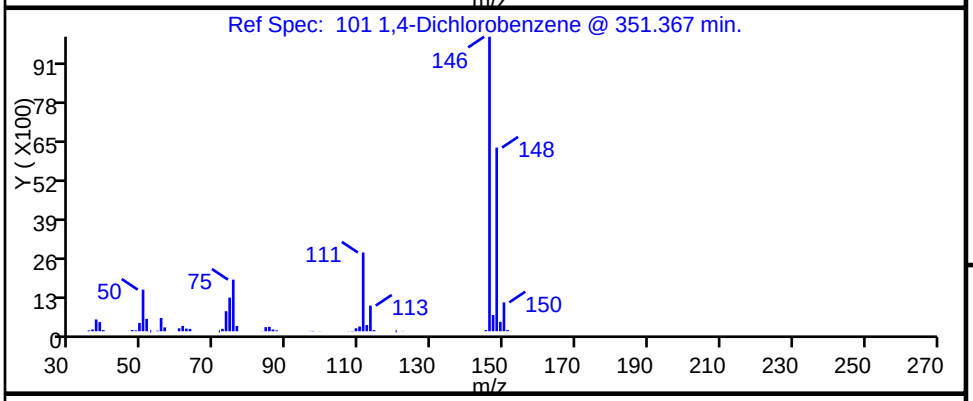
101 1,4-Dichlorobenzene, CAS: 106-46-7

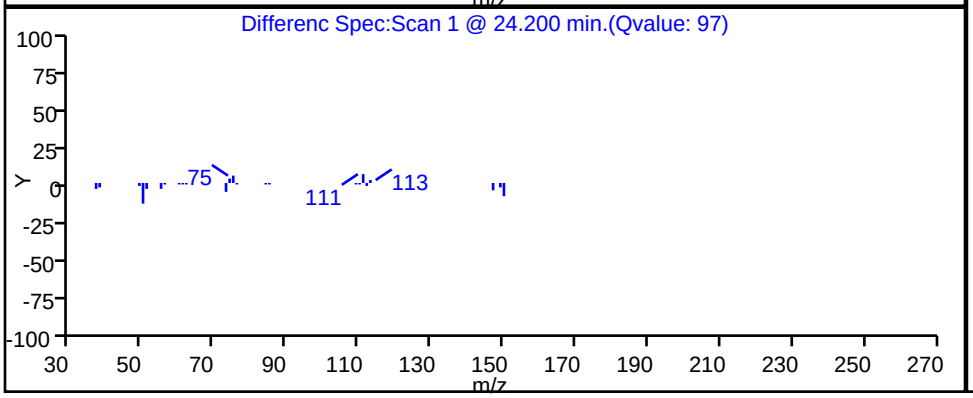


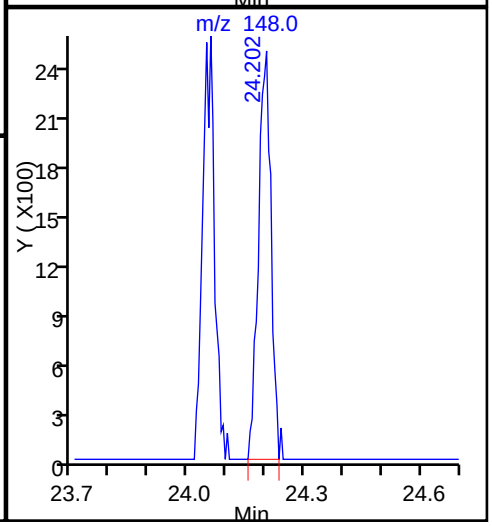












Report Date: 03-Nov-2014 09:48:06 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_004.d

Injection Date: 31-Oct-2014 11:23:30 Instrument ID: CHW.i

Lims ID: MB

Client ID:

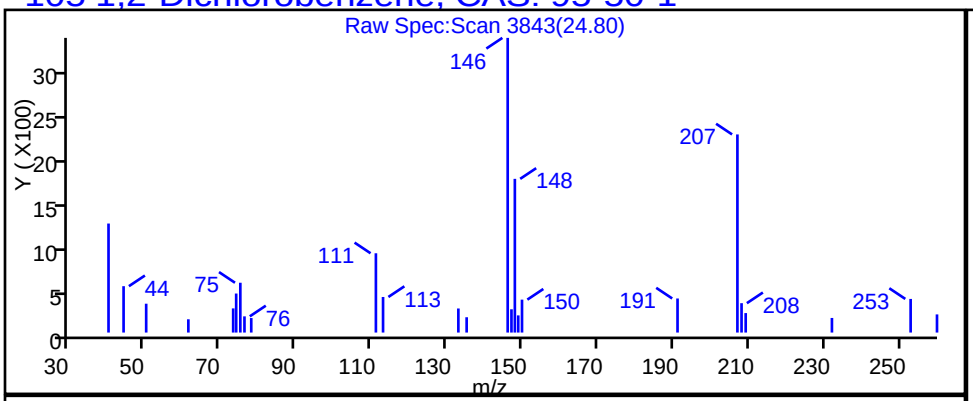
Operator ID: BPL ALS Bottle#: 3 Worklist Smp#: 4

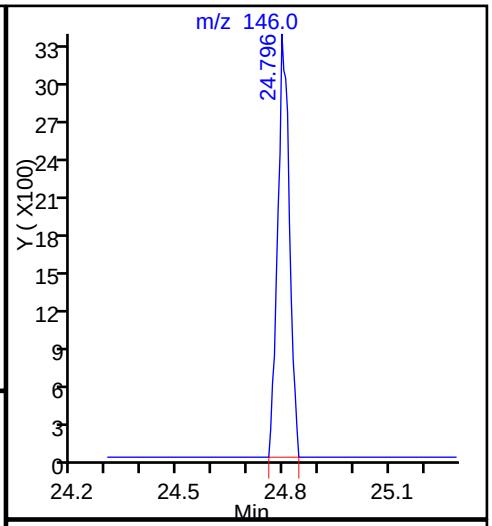
Purge Vol: 200.000 mL Dil. Factor: 1.0000

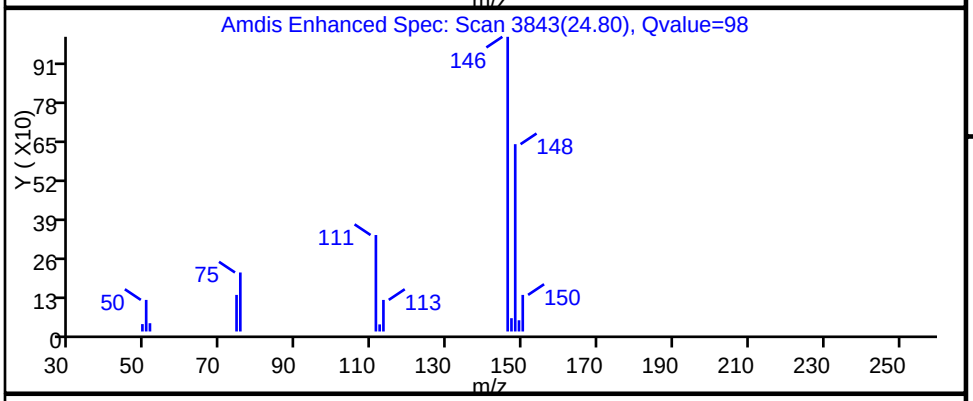
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL

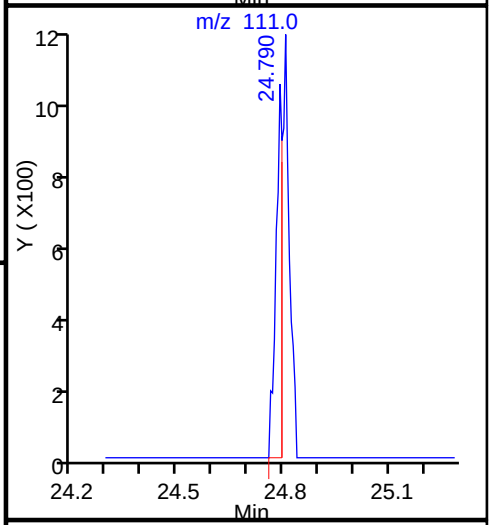
Column: RTX-624 (0.32 mm) Detector MS SCAN

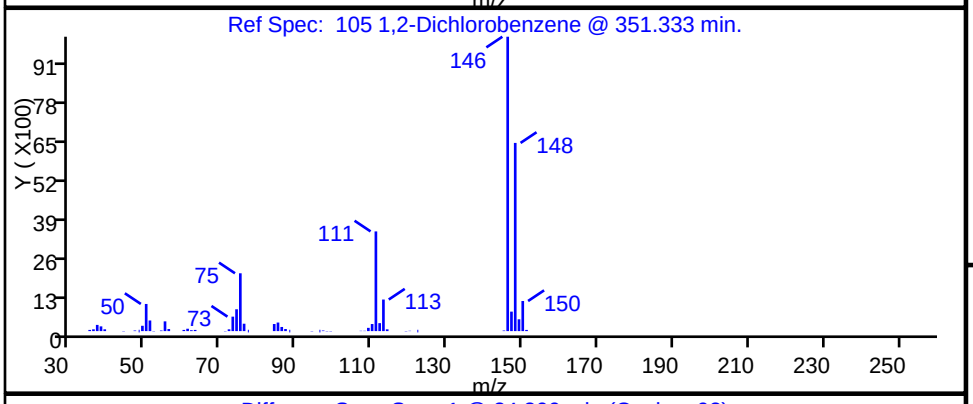
105 1,2-Dichlorobenzene, CAS: 95-50-1

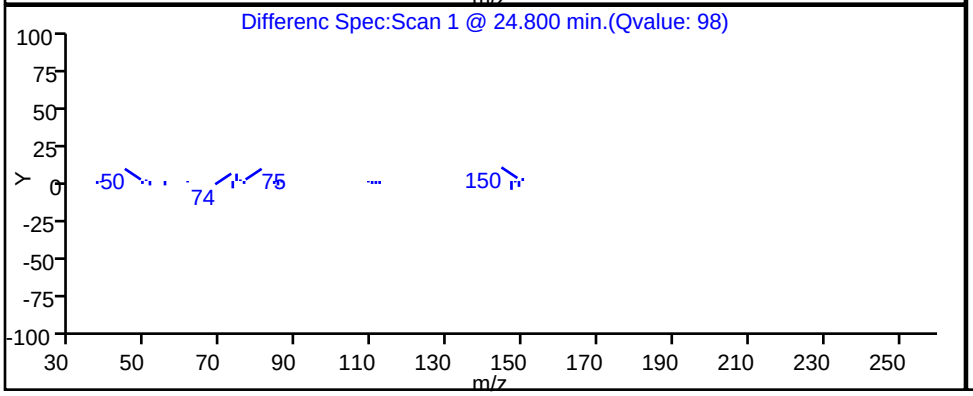


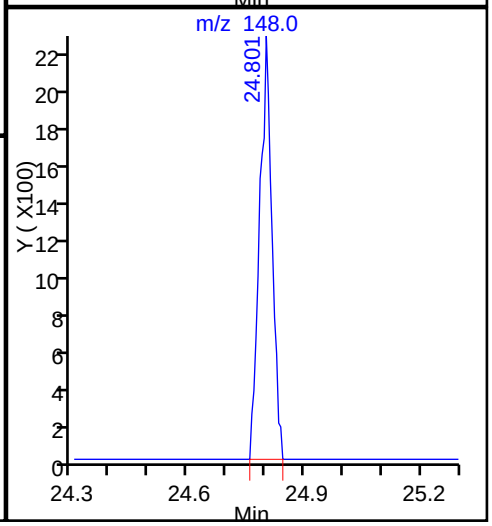








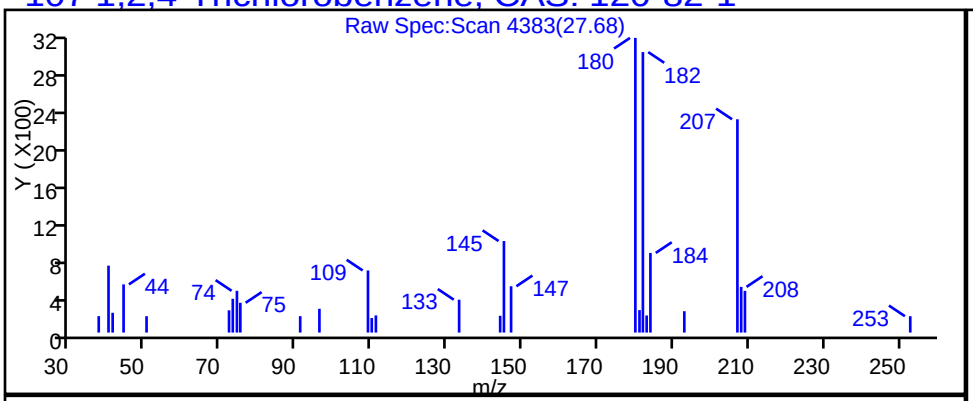


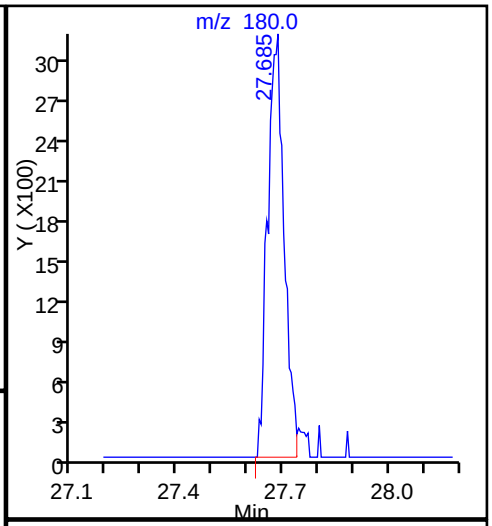


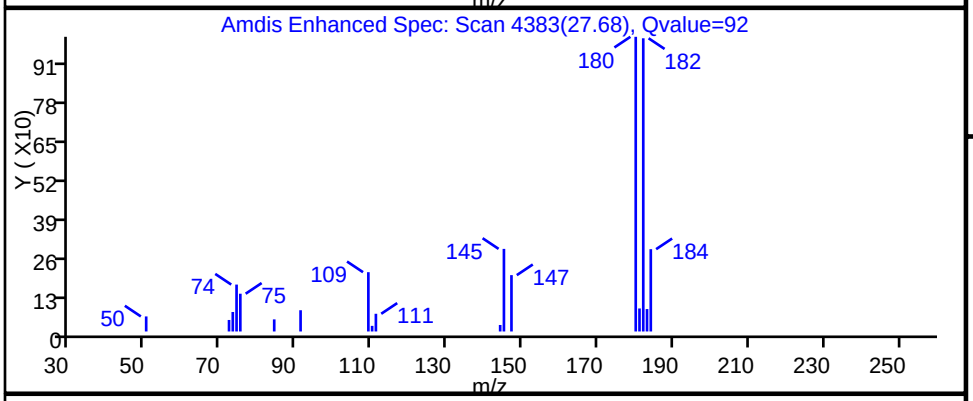
TestAmerica Burlington

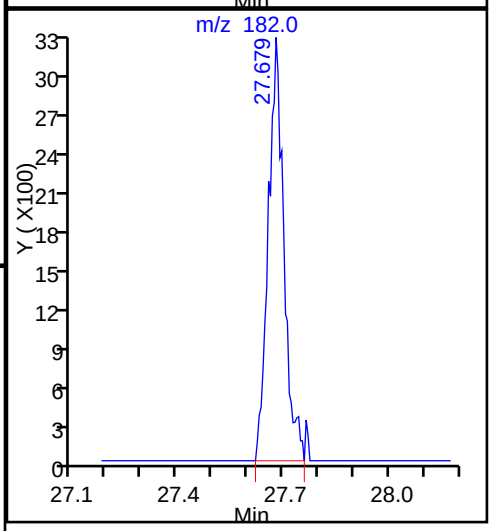
Data File: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_004.d
Injection Date: 31-Oct-2014 11:23:30 Instrument ID: CHW.i
Lims ID: MB
Client ID:
Operator ID: BPL ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

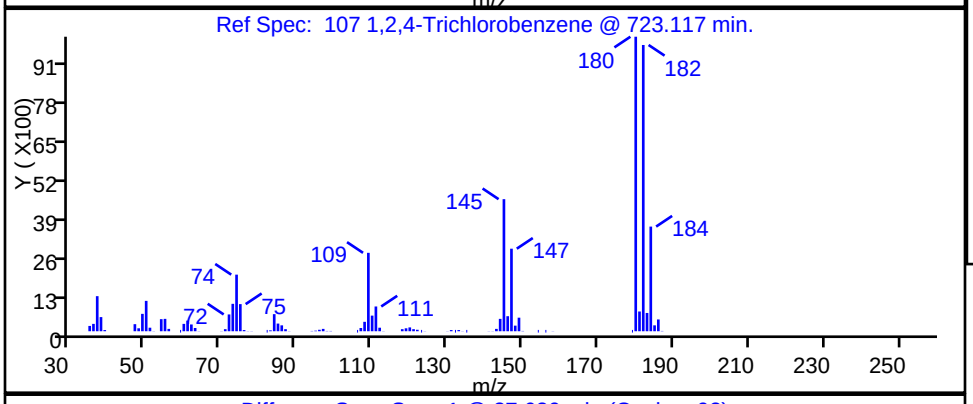
107 1,2,4-Trichlorobenzene, CAS: 120-82-1

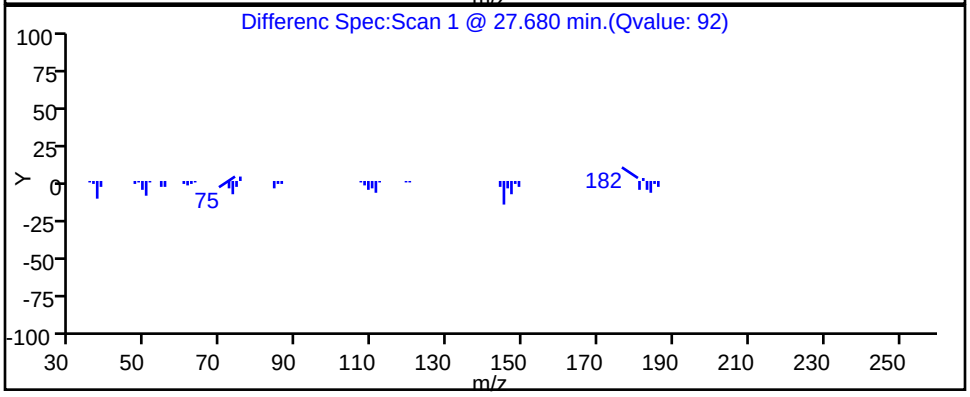












Manual Integration/User Assign Peak Report

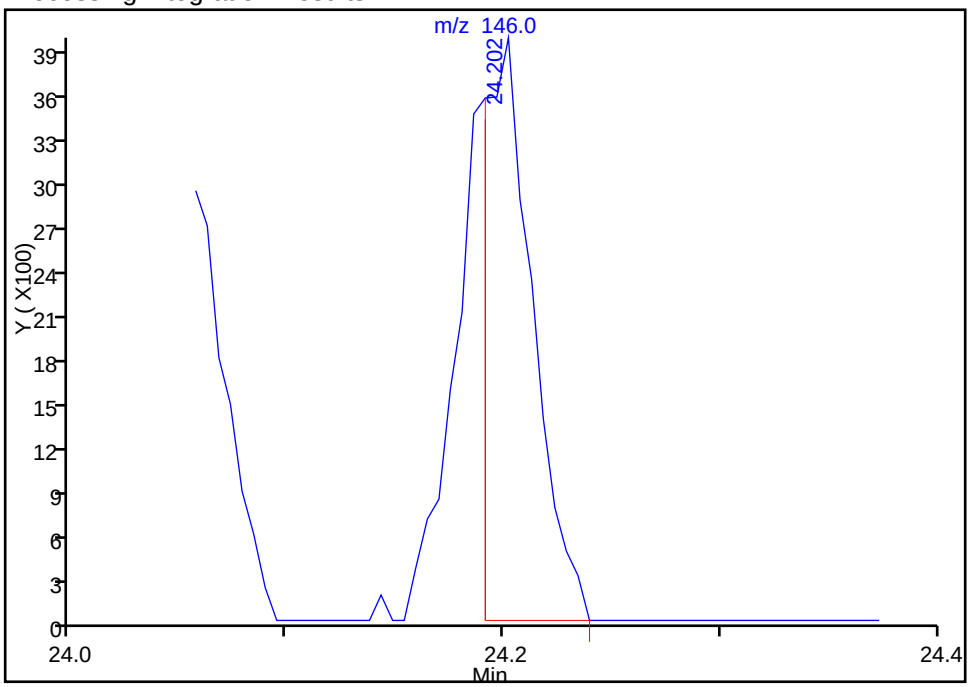
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_004.d				
Injection Date:	31-Oct-2014 11:23:30	Instrument ID:	CHW.i		
Lims ID:	MB				
Client ID:					
Operator ID:	BPL	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

101 1,4-Dichlorobenzene, CAS: 106-46-7

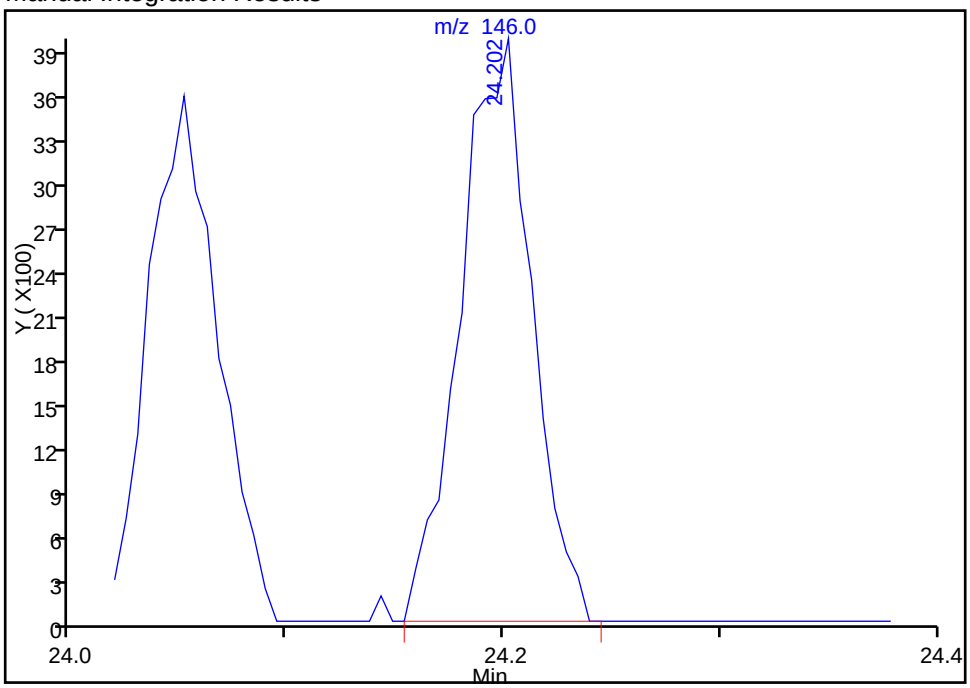
Processing Integration Results

RT: 24.20
Response: 6104
Amount: 0.020675



Manual Integration Results

RT: 24.20
Response: 8965
Amount: 0.030365



Reviewer: lyonsb, 03-Nov-2014 08:43:24
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-79779/4

Matrix: Air Lab File ID: 10320_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: Date Analyzed: 11/03/2014 12:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79779 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.20	U	0.50	0.056
75-45-6	Freon 22	86.47	0.20	U	0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.20	U	0.50	0.060
106-97-8	n-Butane	58.12	0.20	U	0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.080	U	0.20	0.045
76-13-1	Freon TF	187.38	0.080	U	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	2.5	U	5.0	0.69
67-63-0	Isopropyl alcohol	60.10	0.50	U	5.0	0.15
75-15-0	Carbon disulfide	76.14	0.080	U	0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.168	J M	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.20	U	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.030	U	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	0.20	U	0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.080	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.053
67-66-3	Chloroform	119.38	0.080	U	0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.20	U	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.030
110-82-7	Cyclohexane	84.16	0.030	U	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.030	U	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.030	U	0.20	0.023
71-43-2	Benzene	78.11	0.030	U	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-79779/4

Matrix: Air Lab File ID: 10320_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: Date Analyzed: 11/03/2014 12:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79779 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.080	U	0.20	0.037
79-01-6	Trichloroethene	131.39	0.030	U	0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.030	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.20	U	0.50	0.18
108-88-3	Toluene	92.14	0.030	U	0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.030	U	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.030	U	0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.060	U	0.50	0.025
95-47-6	Xylene, o-	106.17	0.030	U	0.20	0.018
1330-20-7	Xylene (total)	106.17	0.090	U	0.20	0.041
100-42-5	Styrene	104.15	0.030	U	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U	0.20	0.025
98-82-8	Cumene	120.19	0.030	U	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.030	U	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.030	U	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.030	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.030	U	0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.030	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.030	U	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.030	U	0.20	0.019

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-79779/4

Matrix: Air Lab File ID: 10320_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: Date Analyzed: 11/03/2014 12:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79779 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.080	U	0.50	0.030

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-79779/4

Matrix: Air Lab File ID: 10320_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: Date Analyzed: 11/03/2014 12:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79779 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.99	U	2.5	0.28
75-45-6	Freon 22	86.47	0.71	U	1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	0.41	U	1.0	0.12
106-97-8	n-Butane	58.12	0.48	U	1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	0.45	U	1.1	0.25
76-13-1	Freon TF	187.38	0.61	U	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	5.9	U	12	1.6
67-63-0	Isopropyl alcohol	60.10	1.2	U	12	0.37
75-15-0	Carbon disulfide	76.14	0.25	U	1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.582	J M	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	0.61	U	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	0.11	U	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	0.59	U	1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.32	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.21
67-66-3	Chloroform	119.38	0.39	U	0.98	0.19
109-99-9	Tetrahydrofuran	72.11	0.59	U	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.16
110-82-7	Cyclohexane	84.16	0.10	U	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.19	U	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.14	U	0.93	0.11
71-43-2	Benzene	78.11	0.096	U	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-79779/4

Matrix: Air Lab File ID: 10320_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: Date Analyzed: 11/03/2014 12:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79779 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.33	U	0.82	0.15
79-01-6	Trichloroethene	131.39	0.16	U	1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.20	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.82	U	2.0	0.74
108-88-3	Toluene	92.14	0.11	U	0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.82	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	0.13	U	0.87	0.087
179601-23-1	m,p-Xylene	106.17	0.26	U	2.2	0.11
95-47-6	Xylene, o-	106.17	0.13	U	0.87	0.078
1330-20-7	Xylene (total)	106.17	0.39	U	0.87	0.18
100-42-5	Styrene	104.15	0.13	U	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U	2.1	0.26
98-82-8	Cumene	120.19	0.15	U	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.15	U	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.15	U	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.15	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	0.15	U	0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.16	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.18	U	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.18	U	1.2	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-79779/4

Matrix: Air Lab File ID: 10320_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: Date Analyzed: 11/03/2014 12:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79779 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.42	U	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141103-10320.b\10320_04.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 03-Nov-2014 12:16:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010320-004
Misc. Info.: mb
Operator ID: pad Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20141103-10320.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 04-Nov-2014 09:11:13 Calib Date: 29-Oct-2014 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK019

First Level Reviewer: lyonsb Date: 04-Nov-2014 09:11:04

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1	Propene	41		2.985					ND	
2	Dichlorodifluoromethane	85		3.060					ND	
6	Chlorodifluoromethane	51		3.113					ND	
7	1,2-Dichloro-1,1,2,2-tetra	85		3.332					ND	
8	Chloromethane	50		3.471					ND	
9	Butane	43		3.679					ND	
10	Vinyl chloride	62		3.722					ND	
11	Butadiene	54		3.802					ND	
12	Bromomethane	94		4.506					ND	
13	Chloroethane	64		4.757					ND	
14	2-Methylbutane	43		4.832					ND	
15	Vinyl bromide	106		5.163					ND	
16	Trichlorofluoromethane	101		5.264					ND	
17	Pentane	43		5.414					ND	
19	Ethanol	45		5.910					ND	
21	Ethyl ether	59		5.969					ND	
22	Acrolein	56		6.369					ND	
23	1,1,2-Trichloro-1,2,2-trif	101		6.385					ND	
24	1,1-Dichloroethene	96		6.422					ND	
25	Acetone	43		6.694					ND	
26	Carbon disulfide	76		6.801					ND	
27	Isopropyl alcohol	45		7.025					ND	
T 28	Methyl Acetate TIC	43		7.200					0	
29	3-Chloro-1-propene	41		7.244					ND	
30	Acetonitrile	41		7.404					ND	
31	Methylene Chloride	49	7.554	7.548	0.006	93	2912		0.1675	M
32	2-Methyl-2-propanol	59		7.821					ND	
33	Methyl tert-butyl ether	73		7.965					ND	
34	trans-1,2-Dichloroethene	61		7.991					ND	
35	Acrylonitrile	53		8.173					ND	
36	Hexane	57		8.386					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63		8.893					ND	
38 Vinyl acetate	43		8.989					ND	
39 cis-1,2-Dichloroethene	96		10.030					ND	
40 2-Butanone (MEK)	72		10.105					ND	
42 Ethyl acetate	88		10.147					ND	
S 41 1,2-Dichloroethene, Total	61		10.200					0	
* 43 Chlorobromomethane	128	10.500	10.505	-0.005	70	184545	10.0	10.0	
44 Tetrahydrofuran	42		10.516					ND	
45 Chloroform	83		10.649					ND	
46 Cyclohexane	84		10.868					ND	
47 1,1,1-Trichloroethane	97		10.905					ND	
48 Carbon tetrachloride	117		11.156					ND	
T 49 Methyl cyclohexane TIC	55		11.500					0	
51 Isooctane	57		11.599					ND	
50 Benzene	78		11.636					ND	
52 1,2-Dichloroethane	62		11.839					ND	
53 n-Heptane	43		12.010					ND	
* 54 1,4-Difluorobenzene	114	12.512	12.512	0.000	95	810877	10.0	10.0	
55 n-Butanol	56		12.955					ND	
56 Trichloroethene	95		12.976					ND	
A 57 GRO	1	13.133	(4.822-21.445)		0	228133		0	
58 1,2-Dichloropropane	63		13.547					ND	
59 Methyl methacrylate	69		13.739					ND	
60 1,4-Dioxane	88		13.798					ND	
61 Dibromomethane	174		13.814					ND	
62 Dichlorobromomethane	83		14.123					ND	
A 63 TVOC as Toluene	1	14.839	(2.975-26.702)		0	404611		11.9	
64 cis-1,3-Dichloropropene	75		15.068					ND	
65 4-Methyl-2-pentanone (MIBK	43		15.372					ND	
66 Toluene	92		15.655					ND	
A 67 Toluene Range	1	15.655	(15.615-15.695)		0	2418		NC	
68 n-Octane	43		15.719					ND	
A 69 C8 Range	1	15.957	(15.735-16.179)		0	1439		NC	
70 trans-1,3-Dichloropropene	75		16.274					ND	
71 1,1,2-Trichloroethane	83		16.648					ND	
72 Tetrachloroethene	166		16.733					ND	
73 2-Hexanone	43		17.107					ND	
74 Chlorodibromomethane	129		17.406					ND	
75 Ethylene Dibromide	107		17.667					ND	
* 76 Chlorobenzene-d5	117	18.569	18.569	0.000	90	743506	10.0	10.0	
77 Chlorobenzene	112		18.628					ND	
T 80 1,2-Dibromo-3-Chloropropan	75		18.652					0	
78 Ethylbenzene	91		18.777					ND	
79 n-Nonane	57		18.905					ND	
81 m-Xylene & p-Xylene	106		19.028					ND	
83 o-Xylene	106		19.866					ND	
84 Styrene	104		19.919					ND	
S 82 Xylenes, Total	106		20.100					0	
85 Bromoform	173		20.341					ND	
86 Isopropylbenzene	105		20.544					ND	
88 1,1,2,2-Tetrachloroethane	83		21.200					ND	
90 N-Propylbenzene	91		21.259					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75		21.296					ND	
93 n-Decane	57		21.435					ND	
91 4-Ethyltoluene	105		21.451					ND	
92 2-Chlorotoluene	91		21.456					ND	
94 1,3,5-Trimethylbenzene	105		21.558					ND	
95 Alpha Methyl Styrene	118		21.921					ND	
96 tert-Butylbenzene	119		22.038					ND	
97 1,2,4-Trimethylbenzene	105		22.134					ND	
98 sec-Butylbenzene	105		22.364					ND	
99 4-Isopropyltoluene	119		22.566					ND	
100 1,3-Dichlorobenzene	146	22.599	22.593	0.006	3	770		0.0111	
101 1,4-Dichlorobenzene	146	22.721	22.727	-0.006	1	744		0.0108	
102 Benzyl chloride	91		22.929					ND	
103 n-Butylbenzene	91		23.132					ND	
104 Undecane	57		23.153					ND	
105 1,2-Dichlorobenzene	146	23.260	23.260	0.000	1	489		0.007604	
106 Dodecane	57		24.728					ND	
107 1,2,4-Trichlorobenzene	180	25.747	25.737	0.010	1	1204		0.0172	
108 Hexachlorobutadiene	225		25.923					ND	
109 Naphthalene	128		26.222					ND	
110 1,2,3-Trichlorobenzene	180		26.692					ND	
111 Total Alkanes	1		0.000					ND	
T 116 1,1,1,2-Tetrachloroethane	1		0.000					0	
T 115 Methyl acetylene TIC	1		0.000					0	
$ 87 4-Bromofluorobenzene	95	20.912	20.912	0.000	91	572187	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

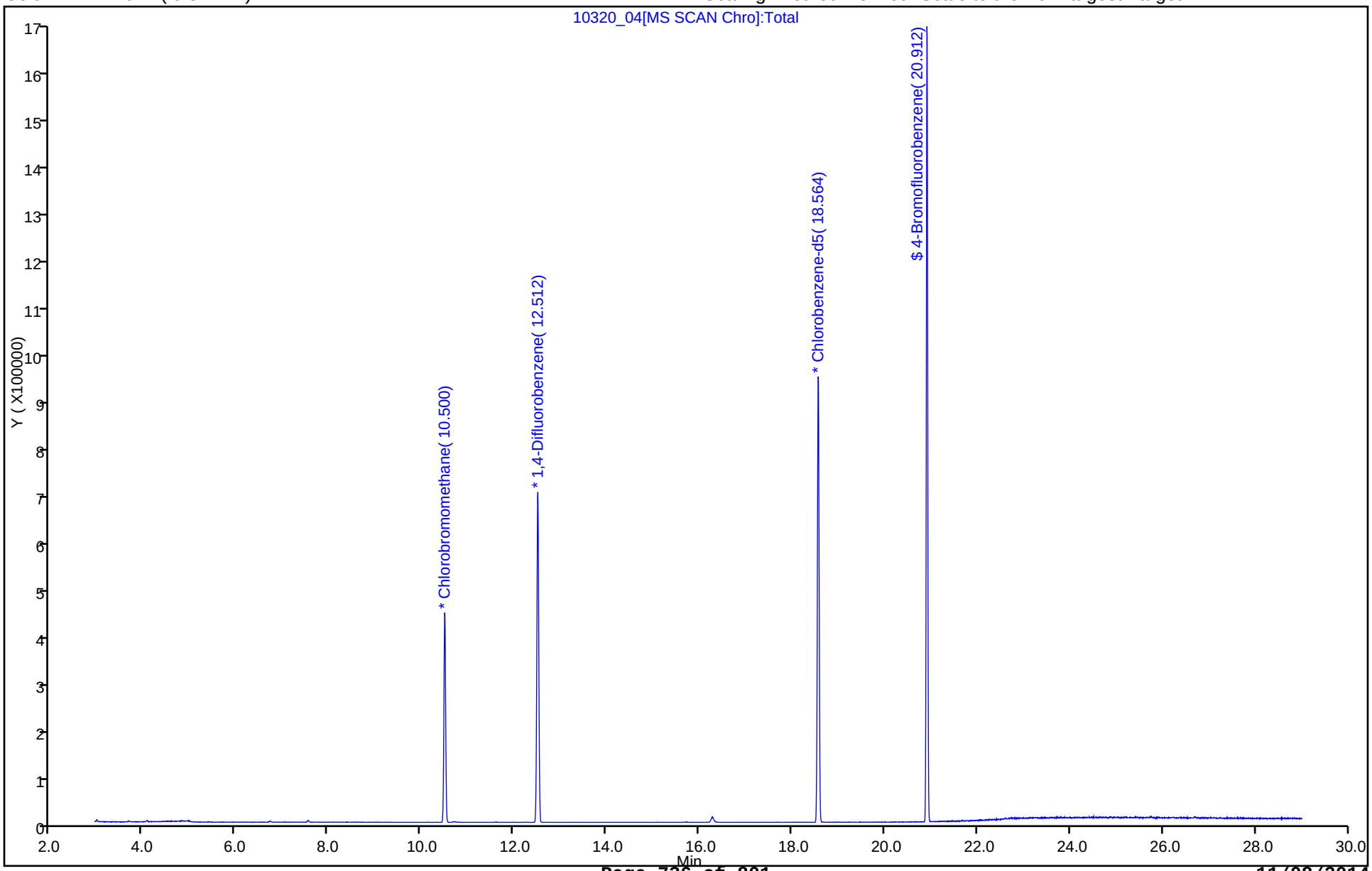
Report Date: 04-Nov-2014 09:11:13 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141103-10320.b\10320_04.D

Injection Date:	03-Nov-2014 12:16:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	mb			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

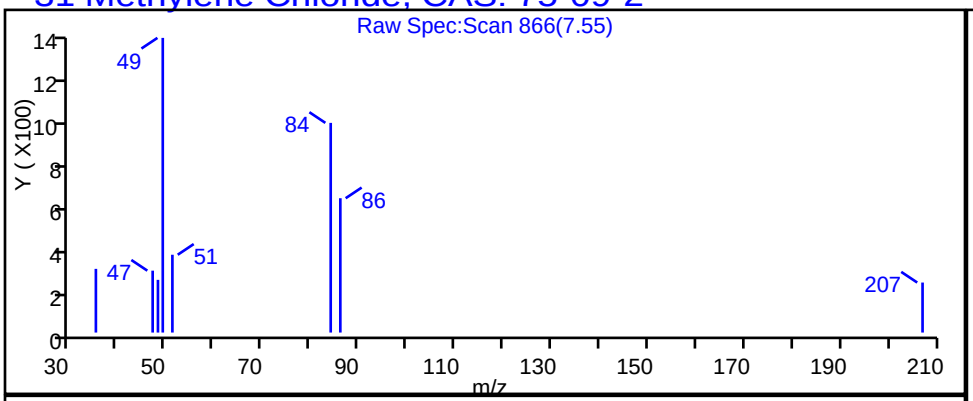
Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

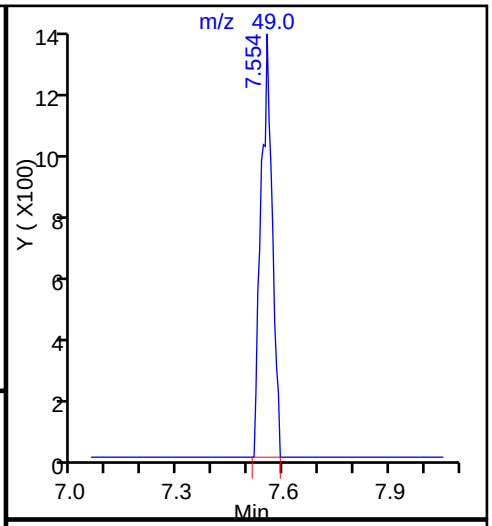


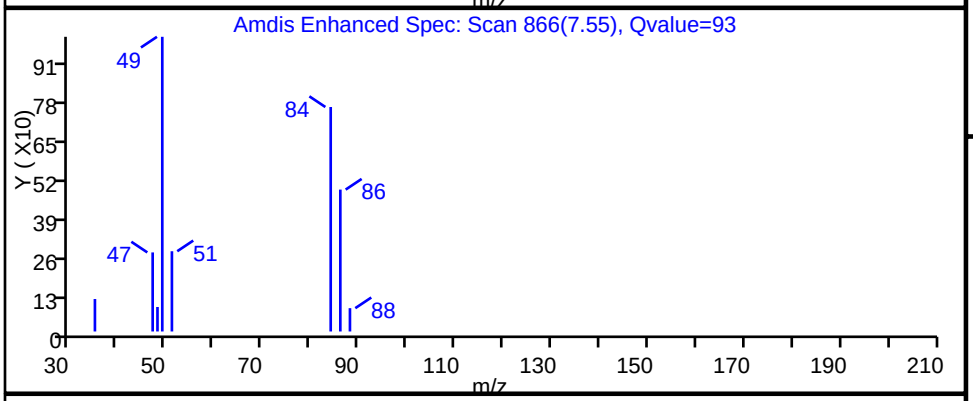
TestAmerica Burlington

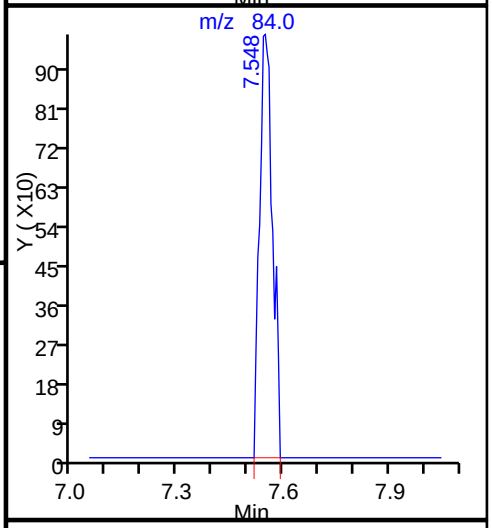
Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141103-10320.b\10320_04.D				
Injection Date:	03-Nov-2014 12:16:30	Instrument ID:	CHC.i		
Lims ID:	mb				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

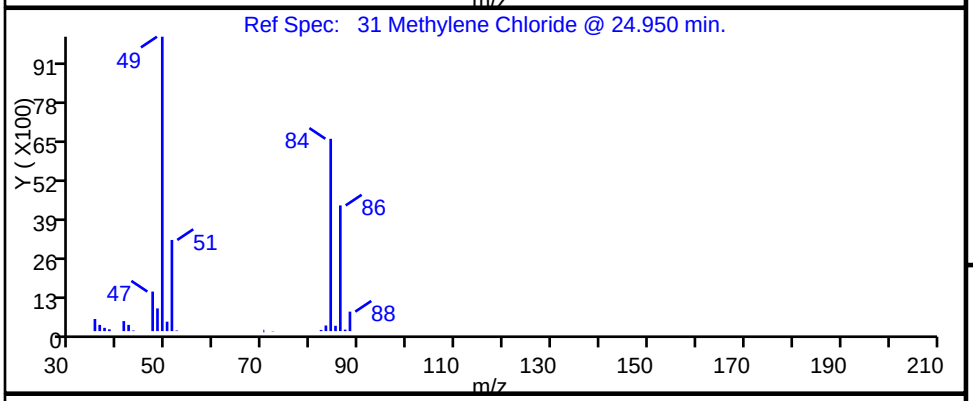
31 Methylene Chloride, CAS: 75-09-2

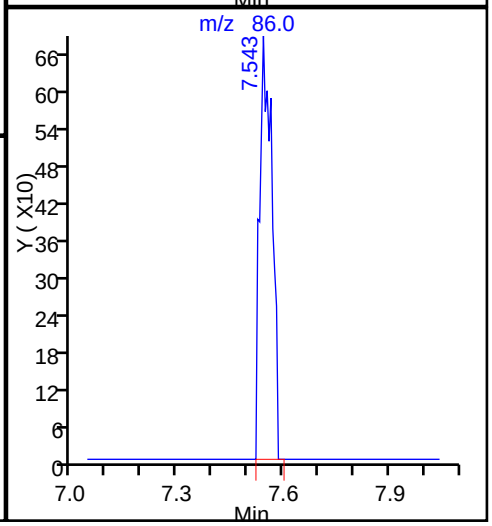


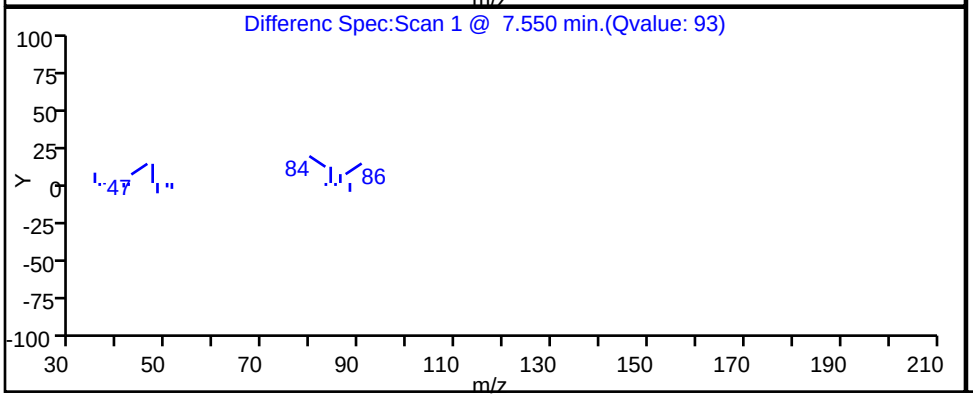












Manual Integration/User Assign Peak Report

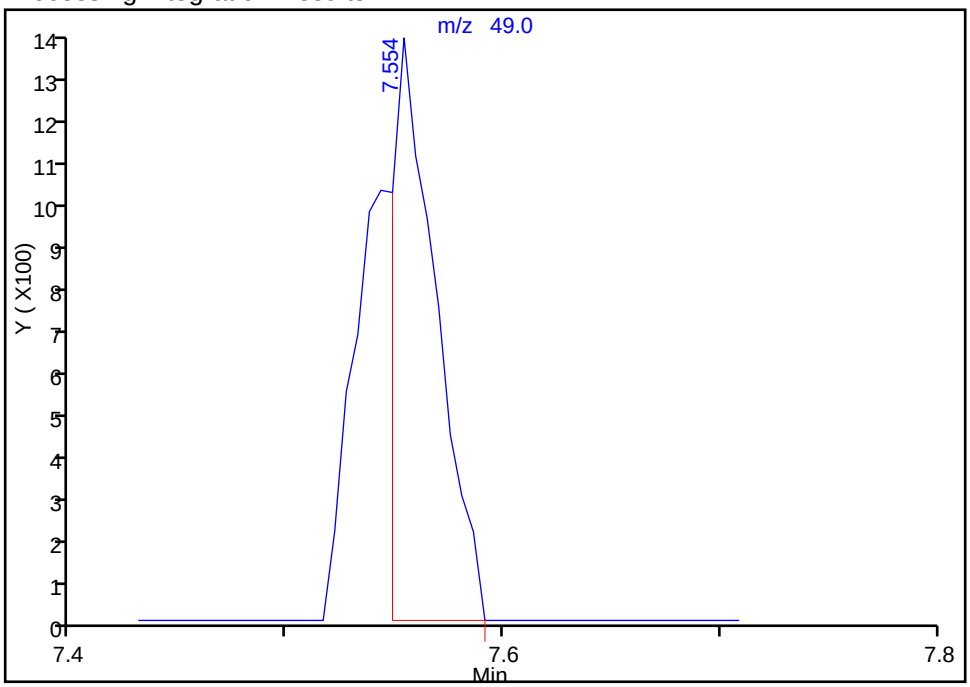
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141103-10320.b\10320_04.D
Injection Date: 03-Nov-2014 12:16:30 Instrument ID: CHC.i
Lims ID: mb
Client ID:
Operator ID: pad ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

31 Methylene Chloride, CAS: 75-09-2

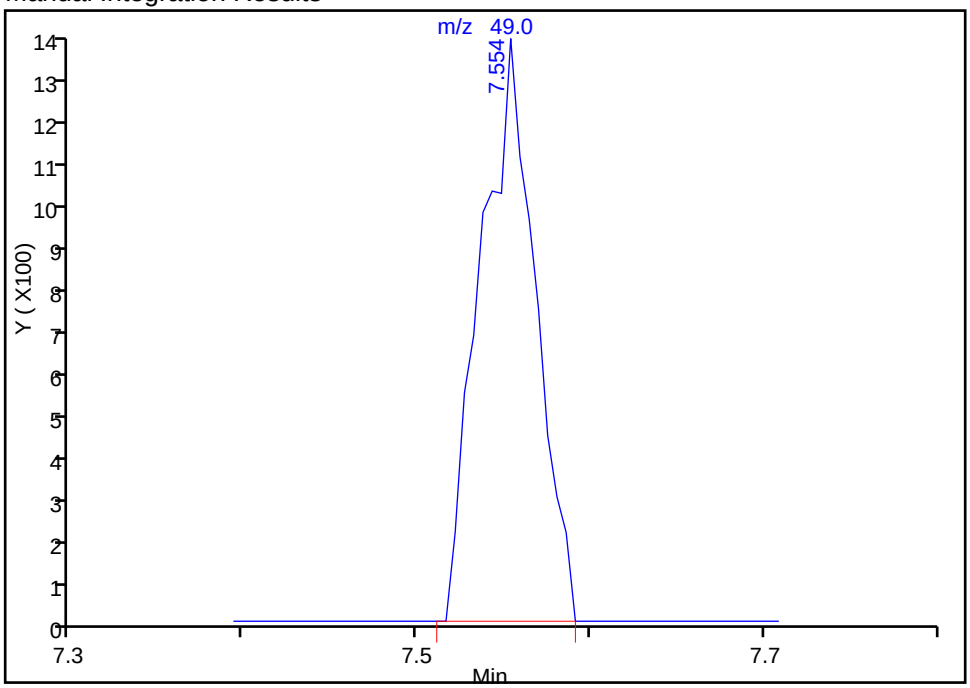
Processing Integration Results

RT: 7.55
Response: 1870
Amount: 0.107579



Manual Integration Results

RT: 7.55
Response: 2912
Amount: 0.167524



Reviewer: lyonsb, 04-Nov-2014 09:11:04
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

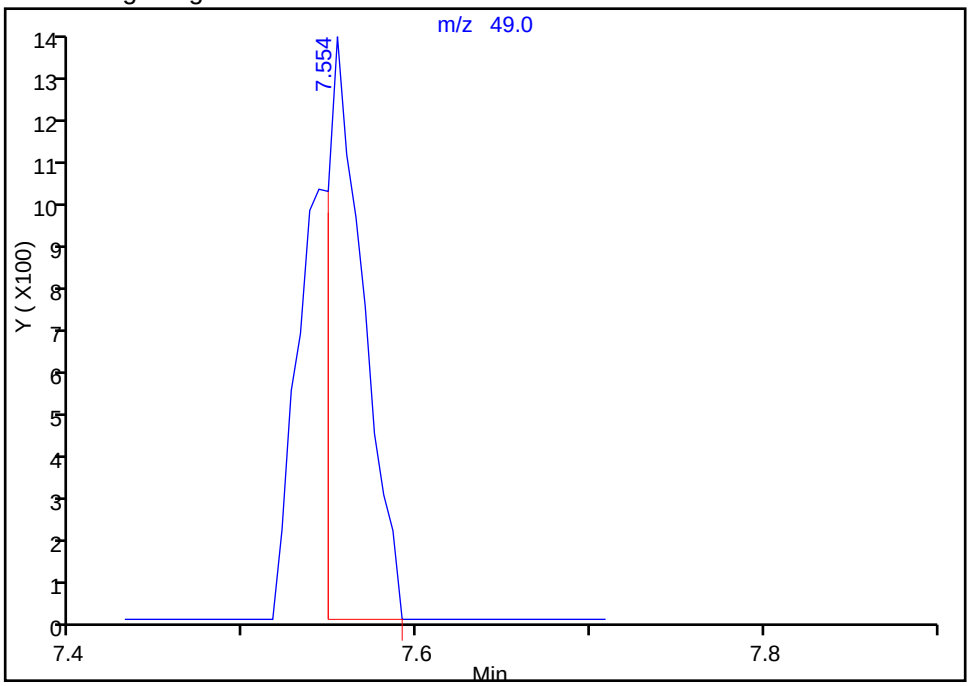
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20141103-10320.b\10320_04.D				
Injection Date:	03-Nov-2014 12:16:30	Instrument ID:	CHC.i		
Lims ID:	mb				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2

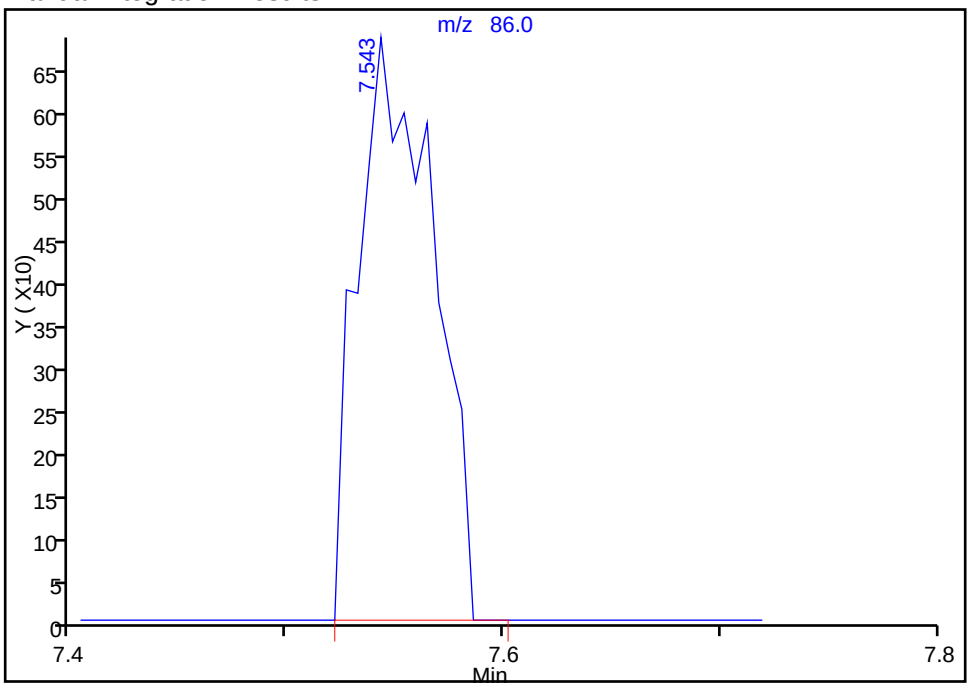
Processing Integration Results

RT: 7.55
Response: 0
Amount: 0.107579



Manual Integration Results

RT: 7.54
Response: 1666
Amount: 0.167524



Reviewer: lyonsb, 04-Nov-2014 09:11:04
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-79678/3

Matrix: Air Lab File ID: 10288_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/31/2014 10:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	8.91		0.50	0.056
75-45-6	Freon 22	86.47	8.21		0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	10.0		0.20	0.052
74-87-3	Chloromethane	50.49	8.21		0.50	0.060
106-97-8	n-Butane	58.12	8.45		0.50	0.18
75-01-4	Vinyl chloride	62.50	8.34		0.20	0.026
106-99-0	1,3-Butadiene	54.09	8.50		0.20	0.036
74-83-9	Bromomethane	94.94	8.30		0.20	0.044
75-00-3	Chloroethane	64.52	8.95		0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	10.2		0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	9.33		0.20	0.045
76-13-1	Freon TF	187.38	9.73		0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	10.1		0.20	0.010
67-64-1	Acetone	58.08	9.67		5.0	0.69
67-63-0	Isopropyl alcohol	60.10	8.30		5.0	0.15
75-15-0	Carbon disulfide	76.14	11.5		0.50	0.030
107-05-1	3-Chloropropene	76.53	8.80		0.50	0.16
75-09-2	Methylene Chloride	84.93	8.62		0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	9.20		5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	10.7		0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	10.1		0.20	0.027
110-54-3	n-Hexane	86.17	10.9		0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	9.43		0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	9.50		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	10.4		0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	20.5		0.20	0.053
67-66-3	Chloroform	119.38	9.60		0.20	0.038
109-99-9	Tetrahydrofuran	72.11	9.21		5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	9.84		0.20	0.030
110-82-7	Cyclohexane	84.16	11.1		0.20	0.010
56-23-5	Carbon tetrachloride	153.81	10.2		0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	10.4		0.20	0.023
71-43-2	Benzene	78.11	9.88		0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	9.35		0.20	0.052

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-79678/3

Matrix: Air Lab File ID: 10288_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/31/2014 10:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	9.84		0.20	0.037
79-01-6	Trichloroethene	131.39	10.5		0.20	0.030
80-62-6	Methyl methacrylate	100.12	10.2		0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	9.48		0.20	0.035
123-91-1	1,4-Dioxane	88.11	9.39		5.0	0.16
75-27-4	Bromodichloromethane	163.83	9.58		0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	10.9		0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	9.41		0.50	0.18
108-88-3	Toluene	92.14	10.8		0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	10.4		0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	10.2		0.20	0.037
127-18-4	Tetrachloroethene	165.83	11.4		0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	9.61		0.50	0.17
124-48-1	Dibromochloromethane	208.29	10.4		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	10.8		0.20	0.018
108-90-7	Chlorobenzene	112.56	10.4		0.20	0.018
100-41-4	Ethylbenzene	106.17	10.8		0.20	0.020
179601-23-1	m,p-Xylene	106.17	22.1		0.50	0.025
95-47-6	Xylene, o-	106.17	11.4		0.20	0.018
1330-20-7	Xylene (total)	106.17	33.5		0.20	0.041
100-42-5	Styrene	104.15	11.5		0.20	0.016
75-25-2	Bromoform	252.75	10.9		0.20	0.025
98-82-8	Cumene	120.19	11.3		0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	10.1		0.20	0.034
103-65-1	n-Propylbenzene	120.19	10.9		0.20	0.027
622-96-8	4-Ethyltoluene	120.20	11.2		0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	10.9		0.20	0.019
95-49-8	2-Chlorotoluene	126.59	10.3		0.20	0.031
98-06-6	tert-Butylbenzene	134.22	11.1		0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	11.1		0.20	0.016
135-98-8	sec-Butylbenzene	134.22	11.1		0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	11.5		0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	10.8		0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	11.0		0.20	0.019

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-79678/3

Matrix: Air Lab File ID: 10288_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/31/2014 10:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79678 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	9.63		0.20	0.018
104-51-8	n-Butylbenzene	134.22	10.6		0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	10.8		0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	11.4		0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	11.3		0.20	0.036
91-20-3	Naphthalene	128.17	11.2		0.50	0.030

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_003.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 31-Oct-2014 10:33:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010288-003
Misc. Info.: LCS
Operator ID: BPL Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 03-Nov-2014 09:12:42 Calib Date: 30-Oct-2014 19:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20141030-10272.b\10272_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK035

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.392	4.387	0.005	98	314263	10.0	7.69	
2 Dichlorodifluoromethane	85	4.483	4.483	0.000	98	1641923	10.0	8.91	
6 Chlorodifluoromethane	51	4.547	4.547	0.000	96	696896	10.0	8.21	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.836	4.831	0.005	94	1863585	10.0	10.0	
8 Chloromethane	50	5.029	5.029	0.000	99	404976	10.0	8.21	
9 Butane	43	5.291	5.291	0.000	98	639542	10.0	8.45	
10 Vinyl chloride	62	5.350	5.350	0.000	97	535414	10.0	8.34	
11 Butadiene	54	5.440	5.446	-0.006	91	353587	10.0	8.50	
13 BFB									
12 Bromomethane	94	6.307	6.307	0.000	99	577285	10.0	8.30	
14 Chloroethane	64	6.585	6.591	-0.006	98	312529	10.0	8.95	
15 2-Methylbutane	43	6.682	6.671	0.011	90	533537	10.0	9.51	
16 Vinyl bromide	106	7.067	7.067	0.000	99	788626	10.0	10.2	
17 Trichlorofluoromethane	101	7.184	7.184	0.000	98	1710800	10.0	9.33	
18 Pentane	43	7.345	7.345	0.000	96	808515	10.0	9.97	
19 Ethanol	45	7.794	7.800	-0.006	99	304379	15.0	14.3	
21 Ethyl ether	59	7.923	7.928	-0.005	90	401756	10.0	11.0	
22 Acrolein	56	8.388	8.393	-0.005	94	158818	10.0	10.2	
23 1,1,2-Trichloro-1,2,2-trif	101	8.426	8.426	0.000	93	1443424	10.0	9.73	
24 1,1-Dichloroethene	96	8.500	8.500	0.000	87	707852	10.0	10.1	
25 Acetone	43	8.731	8.731	0.000	91	723397	10.0	9.67	
26 Carbon disulfide	76	8.987	8.987	0.000	98	2024424	10.0	11.5	
27 Isopropyl alcohol	45	9.019	9.025	-0.006	98	497595	10.0	8.30	
29 3-Chloro-1-propene	41	9.383	9.383	0.000	88	480404	10.0	8.80	
30 Acetonitrile	41	9.512	9.512	0.000	100	294943	10.0	9.44	
31 Methylene Chloride	49	9.715	9.715	0.000	77	476862	10.0	8.62	
32 2-Methyl-2-propanol	59	9.891	9.891	0.000	99	859224	10.0	9.20	
33 Methyl tert-butyl ether	73	10.138	10.138	0.000	96	1721964	10.0	10.7	
S 41 1,2-Dichloroethene, Total	61				0		20.0	20.6	
34 trans-1,2-Dichloroethene	61	10.212	10.212	0.000	83	779395	10.0	10.1	
35 Acrylonitrile	53	10.357	10.357	0.000	96	353041	10.0	9.67	
36 Hexane	57	10.624	10.630	-0.006	86	856754	10.0	10.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	11.175	11.175	0.000	99	988935	10.0	9.43	
38 Vinyl acetate	43	11.207	11.213	-0.006	99	1022320	10.0	8.92	
39 cis-1,2-Dichloroethene	96	12.347	12.352	-0.005	91	795495	10.0	10.4	
40 2-Butanone (MEK)	72	12.363	12.358	0.005	100	328009	10.0	9.50	
42 Ethyl acetate	88	12.379	12.384	-0.005	99	66443	10.0	10.8	
44 Tetrahydrofuran	42	12.823	12.828	-0.005	86	471644	10.0	9.21	
* 43 Chlorobromomethane	128	12.834	12.834	0.000	69	622534	10.0	10.0	
45 Chloroform	83	12.941	12.941	0.000	99	1324784	10.0	9.60	
46 Cyclohexane	84	13.235	13.240	-0.005	89	1012238	10.0	11.1	
47 1,1,1-Trichloroethane	97	13.246	13.251	-0.005	96	1435141	10.0	9.84	
48 Carbon tetrachloride	117	13.508	13.508	0.000	96	1621590	10.0	10.2	
51 Isooctane	57	13.898	13.898	0.000	99	2641388	10.0	10.4	
50 Benzene	78	13.957	13.957	0.000	92	2115347	10.0	9.88	
52 1,2-Dichloroethane	62	14.118	14.118	0.000	98	693054	10.0	9.35	
53 n-Heptane	43	14.246	14.246	0.000	81	802324	10.0	9.84	
* 54 1,4-Difluorobenzene	114	14.717	14.717	0.000	91	2880725	10.0	10.0	
A 57 GRO	1	14.746	(6.661-22.832)		0	252330754	10.0	0	
55 n-Butanol	56	15.000	15.006	-0.006	82	277927	10.0	9.47	
56 Trichloroethene	95	15.182	15.182	0.000	90	1013988	10.0	10.5	
58 1,2-Dichloropropane	63	15.696	15.696	0.000	93	664269	10.0	9.48	
59 Methyl methacrylate	69	15.781	15.781	0.000	77	699276	10.0	10.2	
60 1,4-Dioxane	88	15.872	15.872	0.000	84	344450	10.0	9.39	
61 Dibromomethane	174	15.947	15.947	0.000	86	1282768	10.0	10.5	
62 Dichlorobromomethane	83	16.193	16.193	0.000	97	1438744	10.0	9.58	
A 63 TVOC as Toluene	92	16.603	(4.377-28.829)		0	456010057	10.0	2612.4	
64 cis-1,3-Dichloropropene	75	17.055	17.055	0.000	85	1095321	10.0	10.9	
65 4-Methyl-2-pentanone (MIBK	43	17.279	17.285	-0.006	90	1012421	10.0	9.41	
69 n-Octane	43	17.616	17.616	0.000	80	1070323	10.0	10.1	
A 68 C8 Range	1	17.616	(17.566-17.666)		0	11201520	NC	NC	
A 67 Toluene Range	92	17.627	(17.587-17.667)		0	11201520	10.0	70.5	E
66 Toluene	92	17.622	17.627	-0.005	94	1721211	10.0	10.8	
70 trans-1,3-Dichloropropene	75	18.157	18.157	0.000	91	1086499	10.0	10.4	
71 1,1,2-Trichloroethane	83	18.526	18.526	0.000	93	785326	10.0	10.2	
72 Tetrachloroethene	166	18.665	18.665	0.000	93	1952437	10.0	11.4	
73 2-Hexanone	43	18.906	18.906	0.000	89	963271	10.0	9.61	
74 Chlorodibromomethane	129	19.280	19.280	0.000	98	1977441	10.0	10.4	
75 Ethylene Dibromide	107	19.564	19.564	0.000	99	1627199	10.0	10.8	
S 82 Xylenes, Total	106				0		30.0	33.5	
* 76 Chlorobenzene-d5	117	20.409	20.409	0.000	80	2623815	10.0	10.0	
77 Chlorobenzene	112	20.462	20.468	-0.006	99	2644098	10.0	10.4	
78 Ethylbenzene	91	20.580	20.580	0.000	95	3656450	10.0	10.8	
79 n-Nonane	57	20.634	20.634	0.000	80	1269598	10.0	10.4	
80 m-Xylene & p-Xylene	106	20.794	20.794	0.000	97	3200944	20.0	22.1	
83 o-Xylene	106	21.511	21.511	0.000	97	1625682	10.0	11.4	
84 Styrene	104	21.548	21.548	0.000	98	2459802	10.0	11.5	
85 Bromoform	173	21.934	21.934	0.000	99	2216560	10.0	10.9	
86 Isopropylbenzene	105	22.078	22.078	0.000	93	4443262	10.0	11.3	
$ 87 4-Bromofluorobenzene	95	22.415	22.415	0.000	96	1596846	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.640	22.640	0.000	97	2082160	10.0	10.1	
90 N-Propylbenzene	91	22.709	22.709	0.000	99	5017930	10.0	10.9	
89 1,2,3-Trichloropropane	75	22.741	22.741	0.000	92	1451254	10.0	9.58	
93 n-Decane	57	22.822	22.822	0.000	80	1691509	10.0	9.98	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 4-Ethyltoluene	105	22.881	22.881	0.000	97	4693083	10.0	11.2	
92 2-Chlorotoluene	91	22.913	22.913	0.000	92	3535704	10.0	10.3	
94 1,3,5-Trimethylbenzene	105	22.971	22.971	0.000	95	3856140	10.0	10.9	
95 Alpha Methyl Styrene	118	23.319	23.319	0.000	92	2152218	10.0	11.9	
96 tert-Butylbenzene	119	23.448	23.448	0.000	96	3991391	10.0	11.1	
97 1,2,4-Trimethylbenzene	105	23.539	23.539	0.001	95	3906411	10.0	11.1	
98 sec-Butylbenzene	105	23.774	23.774	0.000	98	5666115	10.0	11.1	
99 4-Isopropyltoluene	119	23.977	23.977	0.000	97	5100346	10.0	11.5	
100 1,3-Dichlorobenzene	146	24.052	24.047	0.005	99	3207804	10.0	10.8	
101 1,4-Dichlorobenzene	146	24.191	24.197	-0.006	97	3153728	10.0	11.0	
102 Benzyl chloride	91	24.400	24.400	0.000	99	2593008	10.0	9.63	
104 Undecane	57	24.587	24.587	0.000	88	1861018	10.0	10.3	
103 n-Butylbenzene	91	24.614	24.614	0.000	97	4032504	10.0	10.6	
105 1,2-Dichlorobenzene	146	24.796	24.796	0.000	99	3085478	10.0	10.8	
106 Dodecane	57	26.379	26.379	0.000	90	1729023	10.0	11.5	
107 1,2,4-Trichlorobenzene	180	27.674	27.674	0.000	93	2458867	10.0	11.4	
108 Hexachlorobutadiene	225	27.877	27.872	0.005	96	2205326	10.0	11.3	
109 Naphthalene	128	28.257	28.257	0.000	99	4502585	10.0	11.2	
110 1,2,3-Trichlorobenzene	180	28.824	28.819	0.005	95	2173876	10.0	12.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Reagents:

ATTO15LCSW_00412	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

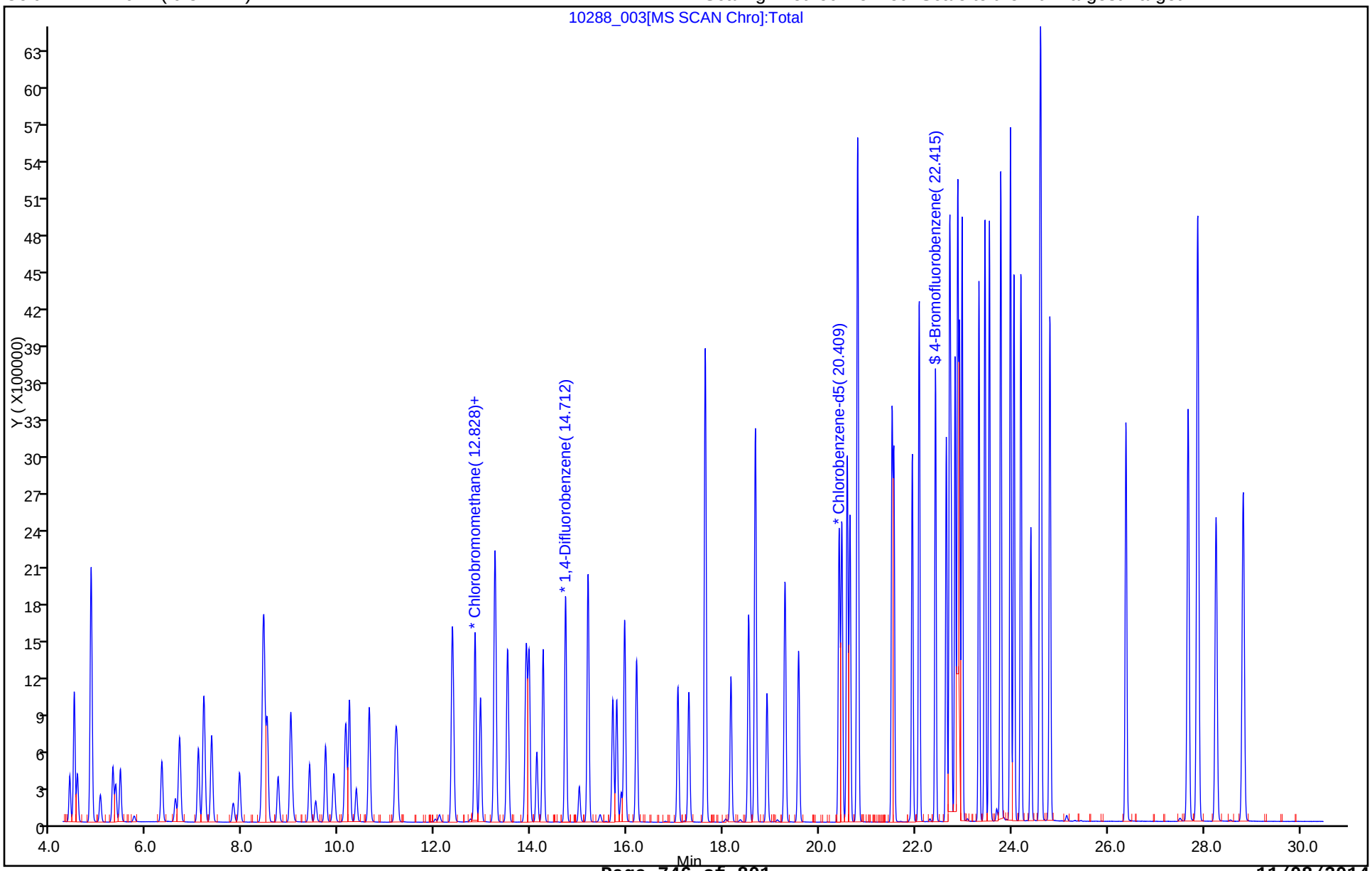
Report Date: 03-Nov-2014 09:12:57 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20141031-10288.b\10288_003.d

Injection Date:	31-Oct-2014 10:33:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	LCS			Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-79779/3

Matrix: Air Lab File ID: 10320_03.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: Date Analyzed: 11/03/2014 11:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79779 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	8.33		0.50	0.056
75-45-6	Freon 22	86.47	8.25		0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	9.37		0.20	0.052
74-87-3	Chloromethane	50.49	8.08		0.50	0.060
106-97-8	n-Butane	58.12	8.39		0.50	0.18
75-01-4	Vinyl chloride	62.50	8.72		0.20	0.026
106-99-0	1,3-Butadiene	54.09	8.52		0.20	0.036
74-83-9	Bromomethane	94.94	8.68		0.20	0.044
75-00-3	Chloroethane	64.52	8.37		0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	8.77		0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	8.10		0.20	0.045
76-13-1	Freon TF	187.38	8.58		0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	8.82		0.20	0.010
67-64-1	Acetone	58.08	8.32		5.0	0.69
67-63-0	Isopropyl alcohol	60.10	7.52		5.0	0.15
75-15-0	Carbon disulfide	76.14	9.64		0.50	0.030
107-05-1	3-Chloropropene	76.53	8.64		0.50	0.16
75-09-2	Methylene Chloride	84.93	8.08		0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	8.00		5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	9.14		0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	9.34		0.20	0.027
110-54-3	n-Hexane	86.17	9.94		0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	8.66		0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	8.78		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	9.22		0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	18.6		0.20	0.053
67-66-3	Chloroform	119.38	9.08		0.20	0.038
109-99-9	Tetrahydrofuran	72.11	8.91		5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	8.81		0.20	0.030
110-82-7	Cyclohexane	84.16	9.51		0.20	0.010
56-23-5	Carbon tetrachloride	153.81	8.72		0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	9.35		0.20	0.023
71-43-2	Benzene	78.11	9.01		0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	8.89		0.20	0.052

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-79779/3

Matrix: Air Lab File ID: 10320_03.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: Date Analyzed: 11/03/2014 11:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79779 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	9.31		0.20	0.037
79-01-6	Trichloroethene	131.39	10.2		0.20	0.030
80-62-6	Methyl methacrylate	100.12	9.84		0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	9.53		0.20	0.035
123-91-1	1,4-Dioxane	88.11	8.55		5.0	0.16
75-27-4	Bromodichloromethane	163.83	9.54		0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	9.95		0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	8.94		0.50	0.18
108-88-3	Toluene	92.14	9.57		0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	9.54		0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	9.64		0.20	0.037
127-18-4	Tetrachloroethene	165.83	9.83		0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	8.55		0.50	0.17
124-48-1	Dibromochloromethane	208.29	9.45		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	9.87		0.20	0.018
108-90-7	Chlorobenzene	112.56	9.52		0.20	0.018
100-41-4	Ethylbenzene	106.17	9.63		0.20	0.020
179601-23-1	m,p-Xylene	106.17	18.9		0.50	0.025
95-47-6	Xylene, o-	106.17	9.57		0.20	0.018
1330-20-7	Xylene (total)	106.17	28.5		0.20	0.041
100-42-5	Styrene	104.15	10.1		0.20	0.016
75-25-2	Bromoform	252.75	9.52		0.20	0.025
98-82-8	Cumene	120.19	9.63		0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	9.21		0.20	0.034
103-65-1	n-Propylbenzene	120.19	9.40		0.20	0.027
622-96-8	4-Ethyltoluene	120.20	9.78		0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	9.53		0.20	0.019
95-49-8	2-Chlorotoluene	126.59	9.05		0.20	0.031
98-06-6	tert-Butylbenzene	134.22	9.53		0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	9.45		0.20	0.016
135-98-8	sec-Butylbenzene	134.22	9.38		0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	9.63		0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	9.76		0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	9.91		0.20	0.019

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-79779/3

Matrix: Air Lab File ID: 10320_03.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: Date Analyzed: 11/03/2014 11:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 79779 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	8.29		0.20	0.018
104-51-8	n-Butylbenzene	134.22	9.11		0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	9.89		0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	9.83		0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	8.97		0.20	0.036
91-20-3	Naphthalene	128.17	10.2		0.50	0.030

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141103-10320.b\10320_03.D
Lims ID: lcs
Client ID:
Sample Type: LCS
Inject. Date: 03-Nov-2014 11:29:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010320-003
Misc. Info.: lcs
Operator ID: pad Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20141103-10320.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 04-Nov-2014 09:09:55 Calib Date: 29-Oct-2014 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20141029-10262.b\10262_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK019

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.991	2.985	0.006	93	89130	10.0	7.86	
2 Dichlorodifluoromethane	85	3.065	3.060	0.005	99	709253	10.0	8.33	
6 Chlorodifluoromethane	51	3.119	3.113	0.006	95	295963	10.0	8.25	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.337	3.332	0.005	92	608896	10.0	9.37	
8 Chloromethane	50	3.476	3.471	0.005	98	109226	10.0	8.08	
9 Butane	43	3.684	3.679	0.005	93	196620	10.0	8.39	
10 Vinyl chloride	62	3.727	3.722	0.005	98	159649	10.0	8.72	
11 Butadiene	54	3.807	3.802	0.005	94	108545	10.0	8.52	
18 BFB									
12 Bromomethane	94	4.512	4.506	0.006	98	206824	10.0	8.68	
13 Chloroethane	64	4.762	4.757	0.005	98	81613	10.0	8.37	
14 2-Methylbutane	43	4.837	4.832	0.005	84	154775	10.0	8.81	
15 Vinyl bromide	106	5.168	5.163	0.005	97	185196	10.0	8.77	
16 Trichlorofluoromethane	101	5.269	5.264	0.005	99	723853	10.0	8.10	
17 Pentane	43	5.419	5.414	0.005	90	189988	10.0	9.47	
19 Ethanol	45	5.915	5.910	0.005	97	56547	15.0	10.5	
21 Ethyl ether	59	5.969	5.969	0.000	92	96637	10.0	10.2	
22 Acrolein	56	6.369	6.369	0.000	99	38994	10.0	10.1	
23 1,1,2-Trichloro-1,2,2-trif	101	6.390	6.385	0.005	92	389111	10.0	8.58	
24 1,1-Dichloroethene	96	6.428	6.422	0.006	98	160828	10.0	8.82	
25 Acetone	43	6.700	6.694	0.006	84	221766	10.0	8.32	
26 Carbon disulfide	76	6.806	6.801	0.005	99	422623	10.0	9.64	
27 Isopropyl alcohol	45	7.031	7.025	0.006	95	127475	10.0	7.52	
29 3-Chloro-1-propene	41	7.249	7.244	0.005	76	131102	10.0	8.64	
30 Acetonitrile	41	7.404	7.404	0.000	97	66939	10.0	9.10	
31 Methylene Chloride	49	7.554	7.548	0.006	89	151891	10.0	8.08	
32 2-Methyl-2-propanol	59	7.820	7.821	-0.001	98	270254	10.0	8.00	
33 Methyl tert-butyl ether	73	7.970	7.965	0.005	94	530507	10.0	9.14	
34 trans-1,2-Dichloroethene	61	7.997	7.991	0.006	92	239246	10.0	9.34	
35 Acrylonitrile	53	8.173	8.173	0.000	91	79016	10.0	9.20	
36 Hexane	57	8.386	8.386	0.000	86	189595	10.0	9.94	
37 1,1-Dichloroethane	63	8.893	8.893	0.000	98	266461	10.0	8.66	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
38 Vinyl acetate	43	8.989	8.989	0.000	99	300278	10.0	8.58	
39 cis-1,2-Dichloroethene	96	10.035	10.030	0.005	98	169227	10.0	9.22	
40 2-Butanone (MEK)	72	10.110	10.105	0.005	98	64113	10.0	8.78	
42 Ethyl acetate	88	10.147	10.147	0.000	99	13123	10.0	9.86	
S 41 1,2-Dichloroethene, Total	61				0		20.0	18.6	
* 43 Chlorobromomethane	128	10.505	10.505	0.000	70	199669	10.0	10.0	
44 Tetrahydrofuran	42	10.521	10.516	0.005	81	115386	10.0	8.91	
45 Chloroform	83	10.649	10.649	0.000	98	430459	10.0	9.08	
46 Cyclohexane	84	10.873	10.868	0.005	86	207805	10.0	9.51	
47 1,1,1-Trichloroethane	97	10.911	10.905	0.006	97	601328	10.0	8.81	
48 Carbon tetrachloride	117	11.156	11.156	0.000	98	717058	10.0	8.72	
51 Isooctane	57	11.604	11.599	0.005	94	571360	10.0	9.35	
50 Benzene	78	11.642	11.636	0.006	98	418007	10.0	9.01	
52 1,2-Dichloroethane	62	11.839	11.839	0.000	98	355131	10.0	8.89	
53 n-Heptane	43	12.010	12.010	0.000	79	195131	10.0	9.31	
* 54 1,4-Difluorobenzene	114	12.517	12.512	0.005	95	852488	10.0	10.0	
55 n-Butanol	56	12.949	12.955	-0.006	91	53514	10.0	9.05	
56 Trichloroethene	95	12.981	12.976	0.005	93	249821	10.0	10.2	
A 57 GRO	1	13.133	(4.822-21.445)		0	72844763	10.0	0	
58 1,2-Dichloropropane	63	13.552	13.547	0.005	65	128782	10.0	9.53	
59 Methyl methacrylate	69	13.744	13.739	0.005	82	143636	10.0	9.84	
60 1,4-Dioxane	88	13.798	13.798	0.000	93	58631	10.0	8.55	
61 Dibromomethane	174	13.819	13.814	0.005	87	326923	10.0	10.2	
62 Dichlorobromomethane	83	14.123	14.123	0.000	98	516351	10.0	9.54	
A 63 TVOC as Toluene	1	14.839	(2.975-26.702)		0	143739087	10.0	4013.6	
64 cis-1,3-Dichloropropene	75	15.073	15.068	0.005	93	275425	10.0	9.95	
65 4-Methyl-2-pentanone (MIBK	43	15.372	15.372	0.000	93	300129	10.0	8.94	
66 Toluene	92	15.655	15.655	0.000	92	337554	10.0	9.57	
A 67 Toluene Range	1	15.655	(15.615-15.695)		0	1734676	NC	NC	
68 n-Octane	43	15.719	15.719	0.000	76	278259	10.0	9.18	
A 69 C8 Range	1	15.948	(15.718-16.219)		0	1393139	NC	NC	
70 trans-1,3-Dichloropropene	75	16.274	16.274	0.000	94	343933	10.0	9.54	
71 1,1,2-Trichloroethane	83	16.648	16.648	0.000	84	165339	10.0	9.64	
72 Tetrachloroethene	166	16.738	16.733	0.005	95	500375	10.0	9.83	
73 2-Hexanone	43	17.107	17.107	0.000	95	304624	10.0	8.55	
74 Chlorodibromomethane	129	17.406	17.406	0.000	96	580425	10.0	9.45	
75 Ethylene Dibromide	107	17.672	17.667	0.005	97	389685	10.0	9.87	
* 76 Chlorobenzene-d5	117	18.569	18.569	0.000	90	839392	10.0	10.0	
77 Chlorobenzene	112	18.628	18.628	0.000	94	531390	10.0	9.52	
78 Ethylbenzene	91	18.777	18.777	0.000	99	885100	10.0	9.63	
79 n-Nonane	57	18.905	18.905	0.000	79	290511	10.0	9.25	
81 m-Xylene & p-Xylene	106	19.028	19.028	0.000	0	681156	20.0	18.9	
83 o-Xylene	106	19.866	19.866	0.000	92	328758	10.0	9.57	
84 Styrene	104	19.925	19.919	0.006	92	496795	10.0	10.1	
S 82 Xylenes, Total	106				0		30.0	28.5	
85 Bromoform	173	20.341	20.341	0.000	97	697523	10.0	9.52	
86 Isopropylbenzene	105	20.544	20.544	0.000	98	1094210	10.0	9.63	
88 1,1,2,2-Tetrachloroethane	83	21.200	21.200	0.000	89	431723	10.0	9.21	
90 N-Propylbenzene	91	21.264	21.259	0.005	99	1254301	10.0	9.40	
89 1,2,3-Trichloropropane	75	21.296	21.296	0.000	90	409545	10.0	8.65	
93 n-Decane	57	21.435	21.435	0.000	83	409435	10.0	8.54	
91 4-Ethyltoluene	105	21.451	21.451	0.000	98	1202438	10.0	9.78	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
92 2-Chlorotoluene	91	21.456	21.456	0.000	95	998711	10.0	9.05	
94 1,3,5-Trimethylbenzene	105	21.558	21.558	0.000	91	975033	10.0	9.53	
95 Alpha Methyl Styrene	118	21.921	21.921	0.000	86	451993	10.0	10.4	
96 tert-Butylbenzene	119	22.038	22.038	0.000	90	966981	10.0	9.53	
97 1,2,4-Trimethylbenzene	105	22.134	22.134	0.000	99	975536	10.0	9.45	
98 sec-Butylbenzene	105	22.364	22.364	0.000	95	1262384	10.0	9.38	
99 4-Isopropyltoluene	119	22.566	22.566	0.000	95	1240940	10.0	9.63	
100 1,3-Dichlorobenzene	146	22.593	22.593	0.000	94	764940	10.0	9.76	
101 1,4-Dichlorobenzene	146	22.726	22.727	-0.001	93	773136	10.0	9.91	
102 Benzyl chloride	91	22.929	22.929	0.000	97	749970	10.0	8.29	
103 n-Butylbenzene	91	23.132	23.132	0.000	96	1061327	10.0	9.11	
104 Undecane	57	23.153	23.153	0.000	88	449444	10.0	8.65	
105 1,2-Dichlorobenzene	146	23.260	23.260	0.000	94	717954	10.0	9.89	
106 Dodecane	57	24.728	24.728	0.000	86	469808	10.0	9.14	
107 1,2,4-Trichlorobenzene	180	25.742	25.737	0.005	94	777827	10.0	9.83	
108 Hexachlorobutadiene	225	25.923	25.923	0.000	95	955538	10.0	8.97	
109 Naphthalene	128	26.222	26.222	0.000	98	1149331	10.0	10.2	
110 1,2,3-Trichlorobenzene	180	26.692	26.692	0.000	94	701623	10.0	9.71	
$ 87 4-Bromofluorobenzene	95	20.917	20.912	0.005	92	704280	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

ATTO15LCSW_00421	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

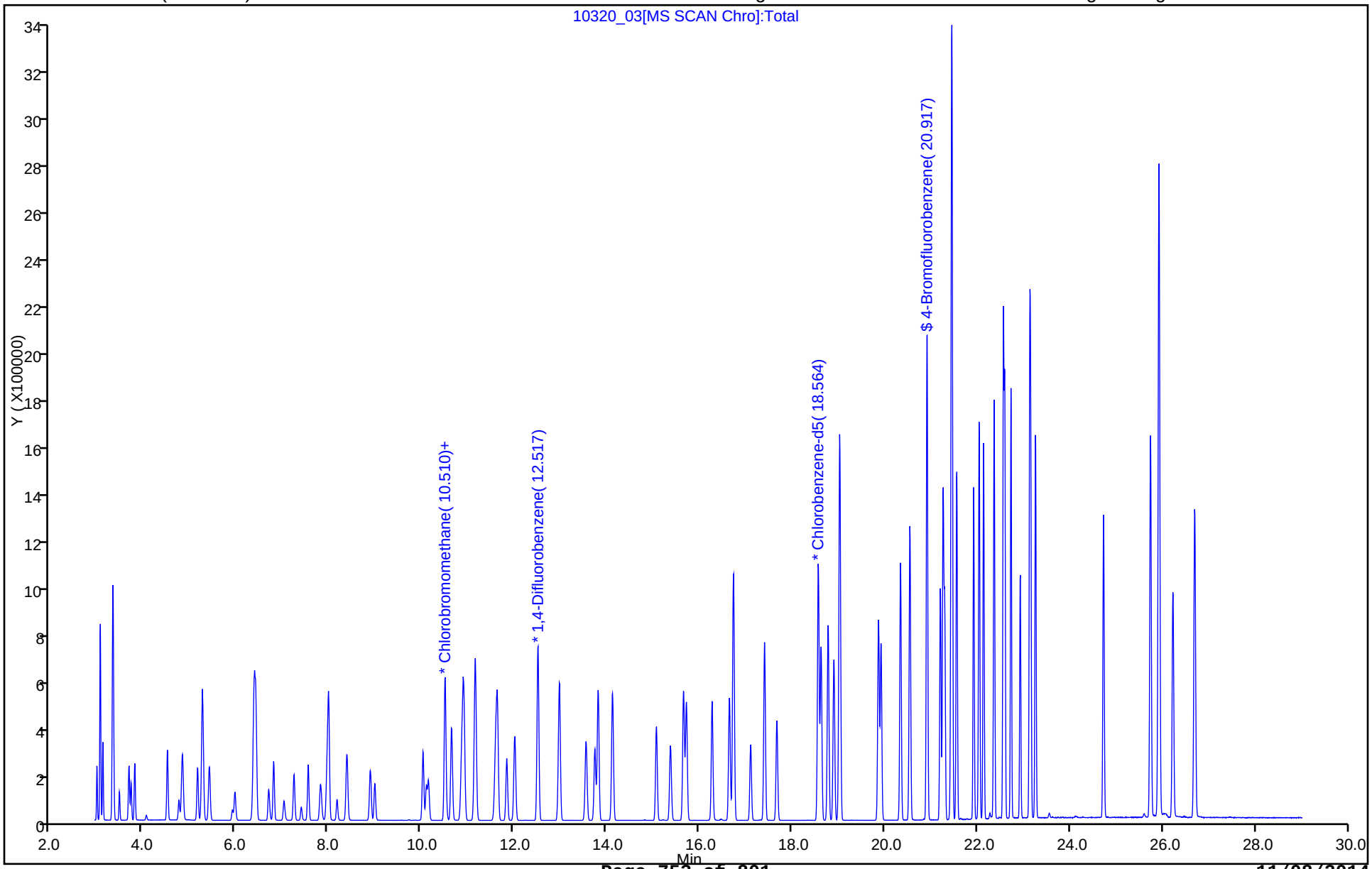
Report Date: 04-Nov-2014 09:09:56 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20141103-10320.b\10320_03.D

Injection Date:	03-Nov-2014 11:29:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	lcs			Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Instrument ID: CHC.i Start Date: 10/29/2014 15:22

Analysis Batch Number: 79551 End Date: 10/30/2014 02:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-79551/1		10/29/2014 15:22	1	10262_01.D	RTX-624 0.32(mm)
VIBLK 200-79551/2		10/29/2014 16:20	1		RTX-624 0.32(mm)
IC 200-79551/3		10/29/2014 17:07	1	10262_03.D	RTX-624 0.32(mm)
IC 200-79551/4		10/29/2014 17:54	1	10262_04.D	RTX-624 0.32(mm)
IC 200-79551/5		10/29/2014 18:41	1	10262_05.D	RTX-624 0.32(mm)
IC 200-79551/6		10/29/2014 19:28	1	10262_06.D	RTX-624 0.32(mm)
ICIS 200-79551/7		10/29/2014 20:15	1	10262_07.D	RTX-624 0.32(mm)
IC 200-79551/8		10/29/2014 21:03	1	10262_08.D	RTX-624 0.32(mm)
IC 200-79551/9		10/29/2014 21:50	1	10262_09.D	RTX-624 0.32(mm)
IC 200-79551/10		10/29/2014 22:37	1	10262_10.D	RTX-624 0.32(mm)
VIBLK 200-79551/11		10/29/2014 23:24	1		RTX-624 0.32(mm)
VIBLK 200-79551/12		10/30/2014 00:12	1		RTX-624 0.32(mm)
ICV 200-79551/13		10/30/2014 00:59	1	10262_13.D	RTX-624 0.32(mm)
ZZZZZ		10/30/2014 01:46	1		RTX-624 0.32(mm)
ZZZZZ		10/30/2014 02:33	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Instrument ID: CHC.i Start Date: 11/03/2014 09:55

Analysis Batch Number: 79779 End Date: 11/04/2014 07:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-79779/1		11/03/2014 09:55	1	10320_01.D	RTX-624 0.32(mm)
CCVIS 200-79779/2		11/03/2014 10:41	1	10320_02.D	RTX-624 0.32(mm)
LCS 200-79779/3		11/03/2014 11:29	1	10320_03.D	RTX-624 0.32(mm)
MB 200-79779/4		11/03/2014 12:16	1	10320_04.D	RTX-624 0.32(mm)
ZZZZZ		11/03/2014 13:03	1		RTX-624 0.32(mm)
ZZZZZ		11/03/2014 13:51	1		RTX-624 0.32(mm)
ZZZZZ		11/03/2014 14:39	5		RTX-624 0.32(mm)
ZZZZZ		11/03/2014 15:26	8		RTX-624 0.32(mm)
ZZZZZ		11/03/2014 16:13	2.5		RTX-624 0.32(mm)
ZZZZZ		11/03/2014 17:01	2		RTX-624 0.32(mm)
ZZZZZ		11/03/2014 17:48	2.99		RTX-624 0.32(mm)
280-61460-5	101IA0305EA	11/03/2014 18:35	2.5	10320_12.D	RTX-624 0.32(mm)
ZZZZZ		11/03/2014 19:22	1		RTX-624 0.32(mm)
ZZZZZ		11/03/2014 20:10	1		RTX-624 0.32(mm)
ZZZZZ		11/03/2014 20:57	1		RTX-624 0.32(mm)
ZZZZZ		11/03/2014 21:44	1		RTX-624 0.32(mm)
ZZZZZ		11/03/2014 22:31	1		RTX-624 0.32(mm)
ZZZZZ		11/03/2014 23:18	1		RTX-624 0.32(mm)
ZZZZZ		11/04/2014 00:05	1		RTX-624 0.32(mm)
ZZZZZ		11/04/2014 00:52	1		RTX-624 0.32(mm)
ZZZZZ		11/04/2014 01:39	1		RTX-624 0.32(mm)
ZZZZZ		11/04/2014 02:38	0.2		RTX-624 0.32(mm)
ZZZZZ		11/04/2014 03:37	0.2		RTX-624 0.32(mm)
ZZZZZ		11/04/2014 04:35	0.2		RTX-624 0.32(mm)
ZZZZZ		11/04/2014 05:34	0.2		RTX-624 0.32(mm)
ZZZZZ		11/04/2014 06:32	0.2		RTX-624 0.32(mm)
ZZZZZ		11/04/2014 07:50	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Instrument ID: CHW.i Start Date: 10/30/2014 10:45

Analysis Batch Number: 79595 End Date: 10/30/2014 22:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-79595/1		10/30/2014 10:45	1	10272_001.d	RTX-624 0.32(mm)
VIBLK 200-79595/2		10/30/2014 11:53	1		RTX-624 0.32(mm)
VIBLK 200-79595/3		10/30/2014 12:42	1		RTX-624 0.32(mm)
IC 200-79595/4		10/30/2014 13:30	1	10272_004.d	RTX-624 0.32(mm)
IC 200-79595/5		10/30/2014 14:20	1	10272_005.d	RTX-624 0.32(mm)
IC 200-79595/6		10/30/2014 15:11	1	10272_006.d	RTX-624 0.32(mm)
IC 200-79595/7		10/30/2014 15:59	1	10272_007.d	RTX-624 0.32(mm)
ICIS 200-79595/8		10/30/2014 16:49	1	10272_008.d	RTX-624 0.32(mm)
IC 200-79595/9		10/30/2014 17:39	1	10272_009.d	RTX-624 0.32(mm)
IC 200-79595/10		10/30/2014 18:28	1	10272_010.d	RTX-624 0.32(mm)
IC 200-79595/11		10/30/2014 19:16	1	10272_011.d	RTX-624 0.32(mm)
VIBLK 200-79595/12		10/30/2014 20:05	1		RTX-624 0.32(mm)
VIBLK 200-79595/13		10/30/2014 20:53	1		RTX-624 0.32(mm)
ICV 200-79595/14		10/30/2014 21:43	1	10272_014.d	RTX-624 0.32(mm)
ZZZZZ		10/30/2014 22:32	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Instrument ID: CHW.i Start Date: 10/31/2014 08:50

Analysis Batch Number: 79678 End Date: 10/31/2014 23:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-79678/1		10/31/2014 08:50	1	10288_001.d	RTX-624 0.32(mm)
CCVIS 200-79678/2		10/31/2014 09:44	1	10288_002.d	RTX-624 0.32(mm)
LCS 200-79678/3		10/31/2014 10:33	1	10288_003.d	RTX-624 0.32(mm)
MB 200-79678/4		10/31/2014 11:23	1	10288_004.d	RTX-624 0.32(mm)
ZZZZZ		10/31/2014 12:13	1		RTX-624 0.32(mm)
ZZZZZ		10/31/2014 13:04	1		RTX-624 0.32(mm)
ZZZZZ		10/31/2014 13:54	1		RTX-624 0.32(mm)
ZZZZZ		10/31/2014 14:47	1		RTX-624 0.32(mm)
280-61460-1	101VMP0101EA	10/31/2014 15:35	2.5	10288_009.d	RTX-624 0.32(mm)
280-61460-2	101VMP0201EA	10/31/2014 16:23	10	10288_010.d	RTX-624 0.32(mm)
280-61460-3	101VMP0301EA	10/31/2014 17:10	28.3	10288_011.d	RTX-624 0.32(mm)
280-61460-4	101VMP0101EC	10/31/2014 17:58	3.03	10288_012.d	RTX-624 0.32(mm)
ZZZZZ		10/31/2014 18:51	1		RTX-624 0.32(mm)
280-61460-6	101IA0405EA	10/31/2014 19:42	1	10288_014.d	RTX-624 0.32(mm)
280-61460-7	101OA0305EA	10/31/2014 20:41	1.34	10288_015.d	RTX-624 0.32(mm)
280-61460-8	101CA01EA	10/31/2014 21:31	1	10288_016.d	RTX-624 0.32(mm)
280-61460-9	101514TB	10/31/2014 22:21	1	10288_017.d	RTX-624 0.32(mm)
ZZZZZ		10/31/2014 23:12	1		RTX-624 0.32(mm)

Post-Sampling Air Canister Pressure Check Record

Client ID	TALS Job	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gauge ID	Analyst
FPM	280-61460	10/21/14	1050	29.4	21	CHO	[illegible]

Sampling Information and Return Equipment Check	Yes	No	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	✓		
(2) Is the flow controller ID used for each canister recorded?	✓		
(3) MA MCP: Check return flow rate for flow controllers		✓	
(4) Is visible sign of damage to canister and/or flow controller (FC) present?		—	

If damage observed, list equipment IDs and describe condition:

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Return (Y/N)	Can Cert Batch ID	Comments
1	4637	-5.9	N	4624	Y	4084 9933	200 ml/min
2	4569	-7.2		4691	Y		
3	4693	-4.1		4693	Y		
4	5015	-3.2		4583	Y		
5	3010	-7.1		5834	Y		24 hr
6	4922	-7.0		4768	Y		
7	5642	-22.5	Y	4572	Y		
8	4463	-2.6	N	N/A	N/A		Can't
9	4817	-27.9	N	N/A	N/A		Trip Blank

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg)

[2] If return pressure is not within criteria, initiate anomaly report.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

Internal Use Only: Flow Controller Date and Page # 81/45 81/28

200-24648-A-5
4789

Bottle: Summa Canister 6L
Sampled: 10/9/2014 12:00 AM 200-711807

Loc: 200
24648
#5
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☑ Batch ☐ Individual

TOP

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size
TOP	25	10/9/14	MEA	(6L) 1L 3L

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	4922		-29.7		+0.4
2	4463		-30.0		+0.1
3	~~4370~~				
4	5719		-29.9		+0.2
5	4789	-30.0	-29.8	-30.1	+0.3
6	4569		-29.9		+0.2
7	5642		-30.1		0.0
8	5637		-29.9		+0.2
9	3010		-30.1		0.0
10	5690		-30.3		-0.2
11	5059		-30.3		-0.2
12	4817		-30.3		-0.2

Initial Reading		Final Reading	
Gauge ID:	CS	Gauge ID:	CS
Date:	10/10/14	Date:	10/14/14
Time:	915	Time:	1640
Tech:	MEA	Tech:	[illegible]
BP:	29.8 ("Hg)	BP:	29.9 ("Hg)
Temp	22 (°C)	Temp:	22 (°C)

[3] Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐ TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
4789	10/10/14	9933	WMD		✓				10/13/14	ANL

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.
Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.
Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.
Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.
Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

BR-FAI023:10.19.09:7
TestAmerica

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24648-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 9933_003.D

Lab ID: LCS 200-78491/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	8.43	84	70-130	
Dichlorodifluoromethane	10.0	8.24	82	70-130	
Freon 22	10.0	8.80	88	70-130	
1,2-Dichlorotetrafluoroethane	10.0	9.56	96	70-130	
Chloromethane	10.0	8.67	87	70-130	
n-Butane	10.0	8.99	90	70-130	
Vinyl chloride	10.0	8.51	85	70-130	
1,3-Butadiene	10.0	8.92	89	70-130	
Bromomethane	10.0	8.87	89	70-130	
Chloroethane	10.0	9.02	90	70-130	
Bromoethene(Vinyl Bromide)	10.0	8.68	87	70-130	
Trichlorofluoromethane	10.0	8.35	84	70-130	
Ethanol	15.0	16.3	109	70-130	
Freon TF	10.0	8.87	89	70-130	
1,1-Dichloroethene	10.0	8.61	86	70-130	
Acetone	10.0	8.99	90	70-130	
Isopropyl alcohol	10.0	8.70	87	70-130	
Carbon disulfide	10.0	11.2	112	70-130	
3-Chloropropene	10.0	9.29	93	70-130	
Methylene Chloride	10.0	9.22	92	70-130	
tert-Butyl alcohol	10.0	8.78	88	70-130	
Methyl tert-butyl ether	10.0	9.20	92	70-130	
trans-1,2-Dichloroethene	10.0	9.87	99	70-130	
n-Hexane	10.0	10.0	100	70-130	
1,1-Dichloroethane	10.0	9.33	93	70-130	
Vinyl acetate	10.0	9.12	91	70-130	
Ethyl acetate	10.0	9.22	92	70-130	
Methyl Ethyl Ketone	10.0	7.98	80	70-130	
cis-1,2-Dichloroethene	10.0	9.00	90	70-130	
Chloroform	10.0	9.42	94	70-130	
Tetrahydrofuran	10.0	8.66	87	70-130	
1,1,1-Trichloroethane	10.0	8.11	81	70-130	
Cyclohexane	10.0	8.44	84	70-130	
Carbon tetrachloride	10.0	8.16	82	70-130	
2,2,4-Trimethylpentane	10.0	8.73	87	70-130	
Benzene	10.0	8.37	84	70-130	
1,2-Dichloroethane	10.0	8.68	87	70-130	
n-Heptane	10.0	8.59	86	70-130	
Trichloroethene	10.0	8.69	87	70-130	
Methyl methacrylate	10.0	8.66	87	70-130	
1,2-Dichloropropane	10.0	8.77	88	70-130	
1,4-Dioxane	10.0	9.08	91	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24648-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 9933_003.D

Lab ID: LCS 200-78491/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	8.88	89	70-130	
cis-1,3-Dichloropropene	10.0	9.25	93	70-130	
methyl isobutyl ketone	10.0	8.70	87	70-130	
Toluene	10.0	8.82	88	70-130	
trans-1,3-Dichloropropene	10.0	8.88	89	70-130	
1,1,2-Trichloroethane	10.0	8.82	88	70-130	
Tetrachloroethene	10.0	8.74	87	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.32	83	70-130	
Dibromochloromethane	10.0	8.73	87	70-130	
1,2-Dibromoethane	10.0	8.87	89	70-130	
Chlorobenzene	10.0	8.69	87	70-130	
Ethylbenzene	10.0	8.45	84	70-130	
m,p-Xylene	20.0	16.9	85	70-130	
Xylene, o-	10.0	8.76	88	70-130	
Styrene	10.0	8.86	89	70-130	
Bromoform	10.0	8.67	87	70-130	
Cumene	10.0	8.57	86	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.70	87	70-130	
n-Propylbenzene	10.0	8.43	84	70-130	
4-Ethyltoluene	10.0	8.46	85	70-130	
1,3,5-Trimethylbenzene	10.0	8.50	85	70-130	
2-Chlorotoluene	10.0	8.20	82	70-130	
tert-Butylbenzene	10.0	8.52	85	70-130	
1,2,4-Trimethylbenzene	10.0	8.37	84	70-130	
sec-Butylbenzene	10.0	8.55	85	70-130	
4-Isopropyltoluene	10.0	8.41	84	70-130	
1,3-Dichlorobenzene	10.0	7.90	79	70-130	
1,4-Dichlorobenzene	10.0	7.97	80	70-130	
Benzyl chloride	10.0	8.25	83	70-130	
n-Butylbenzene	10.0	8.32	83	70-130	
1,2-Dichlorobenzene	10.0	8.27	83	70-130	
1,2,4-Trichlorobenzene	10.0	7.94	79	70-130	
Hexachlorobutadiene	10.0	7.91	79	70-130	
Naphthalene	10.0	8.03	80	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24648-1

SDG No.:

Lab File ID: 9933_005.D Lab Sample ID: MB 200-78491/5

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHG.i Date Analyzed: 10/10/2014 11:20

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-78491/3	9933_003.D	10/10/2014 09:37
4789	200-24648-5	9933_009.D	10/10/2014 14:47

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24648-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-78491/5

Matrix: Air Lab File ID: 9933_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/10/2014 11:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78491 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-24648-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-78491/5

Matrix: Air | Lab File ID: 9933_005.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 10/10/2014 11:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 78491 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24648-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-78491/5

Matrix: Air Lab File ID: 9933_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/10/2014 11:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78491 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20141010-9933.b\9933_005.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 10-Oct-2014 11:20:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0009933-005
Misc. Info.: mb
Operator ID: wrd Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20141010-9933.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 10-Oct-2014 16:09:06 Calib Date: 30-Sep-2014 09:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140929-9732.b\9732_021.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK007

First Level Reviewer: desjardinsb Date: 10-Oct-2014 16:09:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		2.763					0	
2 Dichlorodifluoromethane	85		2.832					ND	
6 Chlorodifluoromethane	51		2.886					0	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.105					0	
8 Chloromethane	50		3.239					0	
9 Butane	43		3.442					0	
10 Vinyl chloride	62		3.490					ND	
11 Butadiene	54		3.565					0	
12 Bromomethane	94		4.272					0	
14 Chloroethane	64		4.523					ND	
15 2-Methylbutane	43		4.603					ND	
16 Vinyl bromide	106		4.930					0	
17 Trichlorofluoromethane	101		5.042					ND	
18 Pentane	43		5.197					ND	
19 Ethanol	45		5.679					0	
21 Ethyl ether	59		5.759					ND	
22 Acrolein	56		6.149					ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.181					ND	
24 1,1-Dichloroethene	96		6.213					0	
25 Acetone	43		6.481					0	
26 Carbon disulfide	76		6.593					0	
27 Isopropyl alcohol	45		6.823					0	
29 3-Chloro-1-propene	41		7.048					0	
30 Acetonitrile	41		7.192					0	
31 Methylene Chloride	49		7.348					0	
32 2-Methyl-2-propanol	59		7.631					0	
33 Methyl tert-butyl ether	73		7.786					ND	
34 trans-1,2-Dichloroethene	61		7.802					ND	
35 Acrylonitrile	53		7.979					ND	
36 Hexane	57		8.214					ND	
37 1,1-Dichloroethane	63		8.712					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
38 Vinyl acetate	43		8.813					0	
39 cis-1,2-Dichloroethene	96		9.846					0	
40 2-Butanone (MEK)	72		9.926					ND	
42 Ethyl acetate	88		9.985					ND	
S 41 1,2-Dichloroethene, Total	61		10.200					0	
* 43 Chlorobromomethane	128	10.317	10.317	0.000	77	523767	10.0	10.0	
44 Tetrahydrofuran	42		10.327					0	
45 Chloroform	83		10.461					ND	
46 Cyclohexane	84		10.691					ND	
47 1,1,1-Trichloroethane	97		10.729					ND	
48 Carbon tetrachloride	117		10.980					ND	
51 Isooctane	57		11.435					ND	
50 Benzene	78		11.451					ND	
52 1,2-Dichloroethane	62		11.643					ND	
53 n-Heptane	43		11.841					ND	
* 54 1,4-Difluorobenzene	114	12.323	12.317	0.006	93	2704655	10.0	10.0	
55 n-Butanol	56		12.751					ND	
56 Trichloroethene	95		12.778					ND	
A 57 GRO	1	13.010	(4.593-21.427)		0	1352863		0	
58 1,2-Dichloropropane	63		13.334					ND	
59 Methyl methacrylate	69		13.543					ND	
60 1,4-Dioxane	88		13.585					ND	
61 Dibromomethane	174		13.596					0	
62 Dichlorobromomethane	83		13.901					ND	
A 63 TVOC as Toluene	1	14.709	(2.753-26.665)		0	1542869		0	
64 cis-1,3-Dichloropropene	75		14.891					0	
65 4-Methyl-2-pentanone (MIBK	43		15.212					0	
66 Toluene	92		15.501					ND	
A 67 Toluene Range	1	15.501	(15.461-15.541)		0	21164		NC	
A 68 C8 Range	1		(15.660-15.636)					ND	
69 n-Octane	43		15.586					ND	
70 trans-1,3-Dichloropropene	75		16.132					0	
71 1,1,2-Trichloroethane	83		16.512					ND	
72 Tetrachloroethene	166		16.619					ND	
73 2-Hexanone	43		16.998					0	
74 Chlorodibromomethane	129		17.287					0	
75 Ethylene Dibromide	107		17.566					0	
* 76 Chlorobenzene-d5	117	18.486	18.480	0.006	84	2862599	10.0	10.0	
77 Chlorobenzene	112		18.545					0	
78 Ethylbenzene	91		18.710					ND	
79 n-Nonane	57		18.849					ND	
80 m-Xylene & p-Xylene	106		18.962					ND	
83 o-Xylene	106		19.812					ND	
84 Styrene	104		19.866					0	
S 82 Xylenes, Total	106		20.100					0	
85 Bromoform	173		20.283					ND	
86 Isopropylbenzene	105		20.508					0	
* 87 4-Bromofluorobenzene	95	20.872	20.872	0.000	98	1931323	10.0	10.0	
88 1,1,2,2-Tetrachloroethane	83		21.155					0	
90 N-Propylbenzene	91		21.230					0	
89 1,2,3-Trichloropropane	75		21.251					ND	
93 n-Decane	57		21.417					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 4-Ethyltoluene	105		21.423					0	
92 2-Chlorotoluene	91		21.423					0	
94 1,3,5-Trimethylbenzene	105		21.530					0	
95 Alpha Methyl Styrene	118		21.893					0	
96 tert-Butylbenzene	119		22.017					0	
97 1,2,4-Trimethylbenzene	105		22.113					0	
98 sec-Butylbenzene	105		22.343					0	
99 4-Isopropyltoluene	119		22.541					0	
100 1,3-Dichlorobenzene	146		22.568					ND	
101 1,4-Dichlorobenzene	146		22.701					ND	
102 Benzyl chloride	91		22.899					0	
103 n-Butylbenzene	91		23.108					0	
104 Undecane	57		23.140					0	
105 1,2-Dichlorobenzene	146		23.226					0	
106 Dodecane	57		24.713					0	
107 1,2,4-Trichlorobenzene	180		25.708					0	
108 Hexachlorobutadiene	225		25.895					0	
109 Naphthalene	128		26.189					0	
110 1,2,3-Trichlorobenzene	180		26.655					0	
T 115 Methyl acetylene TIC	1		0.000					0	
T 116 1,2-Dibromo-3-Chloropropan	1		0.000					0	
T 117 Methyl cyclohexane TIC	1		0.000					0	
T 118 1,1,1,2-Tetrachloroethane	1		0.000					0	
T 119 Methyl Acetate TIC	1		0.000					0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

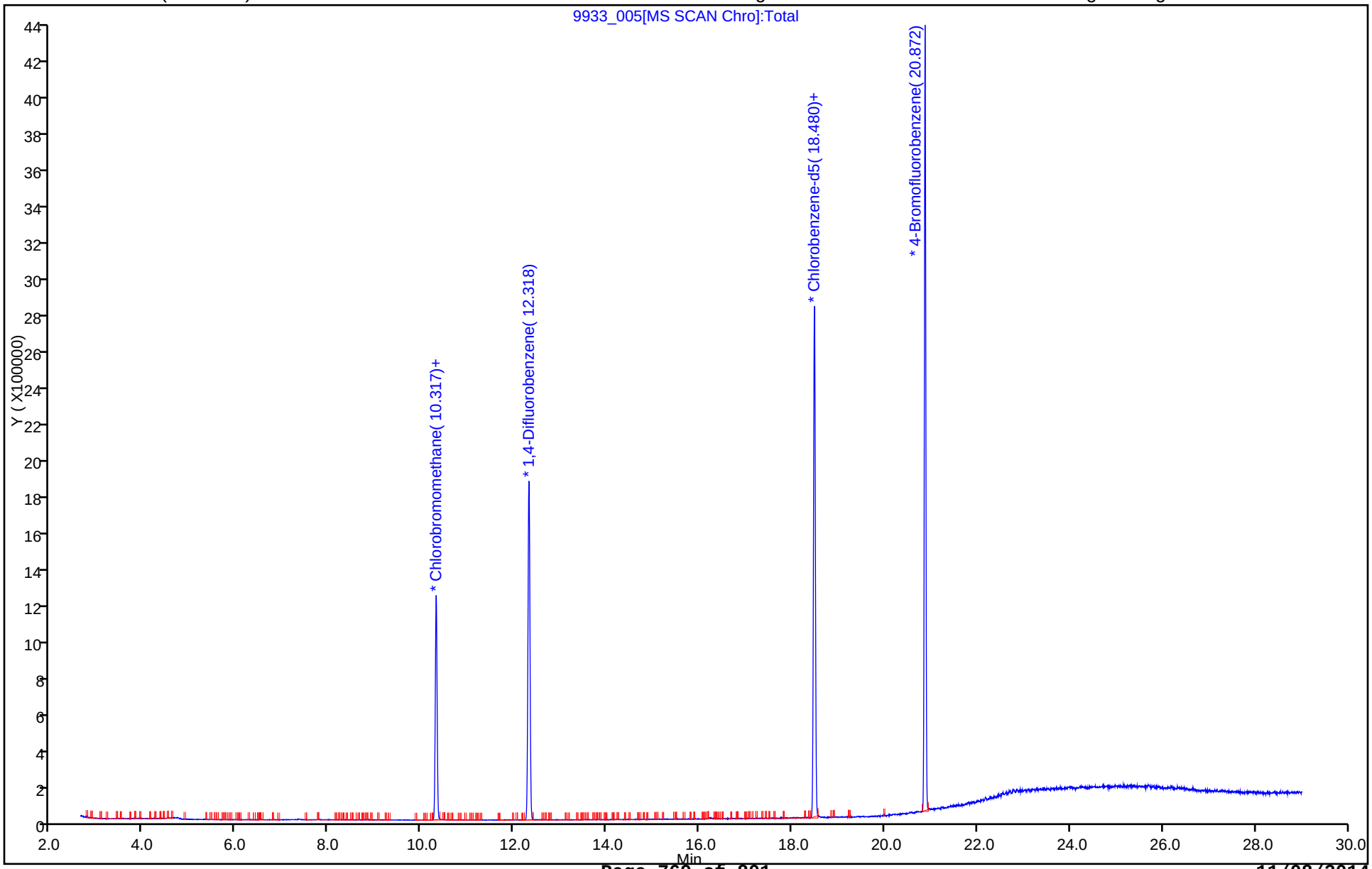
Report Date: 10-Oct-2014 16:09:06 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20141010-9933.b\9933_005.D

Injection Date:	10-Oct-2014 11:20:30	Instrument ID:	CHG.i	Operator ID:	wrd
Lims ID:	mb			Worklist Smp#:	5
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-24648-1

SDG No.:

Lab File ID: 9732_001.D BFB Injection Date: 09/29/2014

Instrument ID: CHG.i BFB Injection Time: 13:54

Analysis Batch No.: 77938

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	17.2	
75	30.0 - 66.0% of mass 95	48.6	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.5	(0.6)1
174	50.0 - 120.0% of mass 95	91.4	
175	4.0 - 9.0 % of mass 174	6.3	(6.9)1
176	93.0 - 101.0% of mass 174	89.4	(97.8)1
177	5.0 - 9.0% of mass 176	5.8	(6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-77938/5	9732_005.D	09/29/2014	17:12
	IC 200-77938/6	9732_006.D	09/29/2014	18:01
	IC 200-77938/7	9732_007.D	09/29/2014	18:52
	ICIS 200-77938/9	9732_009.D	09/29/2014	20:34
	IC 200-77938/10	9732_010.D	09/29/2014	21:25
	IC 200-77938/11	9732_011.D	09/29/2014	22:17
	IC 200-77938/12	9732_012.D	09/29/2014	23:08
	IC 200-77938/21	9732_021.D	09/30/2014	09:46
	ICV 200-77938/22	9732_022.D	09/30/2014	10:37

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-24648-1

SDG No.:

Lab File ID: 9933_001.D BFB Injection Date: 10/10/2014

Instrument ID: CHG.i BFB Injection Time: 07:50

Analysis Batch No.: 78491

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	17.2	
75	30.0 - 66.0% of mass 95	45.9	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.5	(0.6)1
174	50.0 - 120.0% of mass 95	88.1	
175	4.0 - 9.0 % of mass 174	6.1	(6.9)1
176	93.0 - 101.0% of mass 174	87.0	(98.8)1
177	5.0 - 9.0% of mass 176	5.8	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-78491/2	9933_002.D	10/10/2014	08:46
	LCS 200-78491/3	9933_003.D	10/10/2014	09:37
	MB 200-78491/5	9933_005.D	10/10/2014	11:20
4789	200-24648-5	9933_009.D	10/10/2014	14:47

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24648-1

SDG No.:

Sample No.: ICIS 200-77938/9 Date Analyzed: 09/29/2014 20:34

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 9732_009.D Heated Purge: (Y/N) N

Calibration ID: 28067

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		466331	10.34	2188593	12.33	2349464	18.50
UPPER LIMIT		652863	10.67	3064030	12.66	3289250	18.83
LOWER LIMIT		279799	10.01	1313156	12.00	1409678	18.17
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-77938/22		421590	10.33	1845172	12.34	2043014	18.50

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24648-1

SDG No.:

Sample No.: CCVIS 200-78491/2 Date Analyzed: 10/10/2014 08:46

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 9933_002.D Heated Purge: (Y/N) N

Calibration ID: 28067

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		558579	10.32	2832369	12.32	3140763	18.48
UPPER LIMIT		782011	10.65	3965317	12.65	4397068	18.81
LOWER LIMIT		335147	9.99	1699421	11.99	1884458	18.15
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-78491/3		552339	10.32	2820036	12.32	3188214	18.49
MB 200-78491/5		523767	10.32	2704655	12.32	2862599	18.49
200-24648-5	4789	528435	10.32	2741600	12.32	2921952	18.49

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24648-1

SDG No.:

Client Sample ID: 4789 Lab Sample ID: 200-24648-5

Matrix: Air Lab File ID: 9933_009.D

Analysis Method: TO-15 Date Collected: 10/09/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 10/10/2014 14:47

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78491 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24648-1

SDG No.:

Client Sample ID: 4789 Lab Sample ID: 200-24648-5

Matrix: Air Lab File ID: 9933_009.D

Analysis Method: TO-15 Date Collected: 10/09/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 10/10/2014 14:47

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78491 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24648-1

SDG No.:

Client Sample ID: 4789 Lab Sample ID: 200-24648-5

Matrix: Air Lab File ID: 9933_009.D

Analysis Method: TO-15 Date Collected: 10/09/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 10/10/2014 14:47

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78491 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20141010-9933.b\9933_009.D
Lims ID: 200-24648-A-5 Lab Sample ID: 200-24648-5
Client ID: 4789
Sample Type: Client
Inject. Date: 10-Oct-2014 14:47:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0009933-009
Misc. Info.: 24648-05
Operator ID: wrd Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20141010-9933.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 10-Oct-2014 16:17:29 Calib Date: 30-Sep-2014 09:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140929-9732.b\9732_021.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK007

First Level Reviewer: desjardinsb Date: 10-Oct-2014 16:17:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		2.763				0	
2 Dichlorodifluoromethane	85		2.832				0	
6 Chlorodifluoromethane	51		2.886				0	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.105				ND	
8 Chloromethane	50		3.239				0	
9 Butane	43		3.442				0	
10 Vinyl chloride	62		3.490				ND	
11 Butadiene	54		3.565				ND	
12 Bromomethane	94		4.272				0	
14 Chloroethane	64		4.523				0	
16 Vinyl bromide	106		4.930				ND	
17 Trichlorofluoromethane	101		5.042				0	
19 Ethanol	45		5.679				0	
23 1,1,2-Trichloro-1,2,2-trif	101		6.181				ND	
24 1,1-Dichloroethene	96		6.213				0	
25 Acetone	43		6.481				0	
26 Carbon disulfide	76		6.593				0	
27 Isopropyl alcohol	45		6.823				0	
29 3-Chloro-1-propene	41		7.048				0	
31 Methylene Chloride	49		7.348				0	
32 2-Methyl-2-propanol	59		7.631				ND	
33 Methyl tert-butyl ether	73		7.786				ND	
34 trans-1,2-Dichloroethene	61		7.802				0	
36 Hexane	57		8.214				ND	
37 1,1-Dichloroethane	63		8.712				ND	
38 Vinyl acetate	43		8.813				ND	
39 cis-1,2-Dichloroethene	96		9.846				0	
40 2-Butanone (MEK)	72		9.926				0	
42 Ethyl acetate	88		9.985				ND	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
* 43 Chlorobromomethane	128	10.317	10.317	0.000	78	528435	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 Tetrahydrofuran	42		10.327				ND	
45 Chloroform	83		10.461				ND	
46 Cyclohexane	84		10.691				ND	
47 1,1,1-Trichloroethane	97		10.729				ND	
48 Carbon tetrachloride	117		10.980				ND	
51 Isooctane	57		11.435				ND	
50 Benzene	78		11.451				ND	
52 1,2-Dichloroethane	62		11.643				ND	
53 n-Heptane	43		11.841				ND	
* 54 1,4-Difluorobenzene	114	12.323	12.317	0.006	93	2741600	10.0	
56 Trichloroethene	95		12.778				ND	
58 1,2-Dichloropropane	63		13.334				ND	
59 Methyl methacrylate	69		13.543				ND	
60 1,4-Dioxane	88		13.585				ND	
61 Dibromomethane	174		13.596				0	
62 Dichlorobromomethane	83		13.901				ND	
64 cis-1,3-Dichloropropene	75		14.891				ND	
65 4-Methyl-2-pentanone (MIBK	43		15.212				0	
66 Toluene	92		15.501				ND	
70 trans-1,3-Dichloropropene	75		16.132				0	
71 1,1,2-Trichloroethane	83		16.512				ND	
72 Tetrachloroethene	166		16.619				ND	
73 2-Hexanone	43		16.998				0	
74 Chlorodibromomethane	129		17.287				ND	
75 Ethylene Dibromide	107		17.566				ND	
* 76 Chlorobenzene-d5	117	18.486	18.480	0.006	84	2921952	10.0	
77 Chlorobenzene	112		18.545				0	
78 Ethylbenzene	91		18.710				ND	
80 m-Xylene & p-Xylene	106		18.962				ND	
83 o-Xylene	106		19.812				ND	
84 Styrene	104		19.866				0	
S 82 Xylenes, Total	106		20.100				0	
85 Bromoform	173		20.283				ND	
86 Isopropylbenzene	105		20.508				0	
* 87 4-Bromofluorobenzene	95	20.872	20.872	0.000	97	1951720	10.0	
88 1,1,2,2-Tetrachloroethane	83		21.155				0	
90 N-Propylbenzene	91		21.230				0	
92 2-Chlorotoluene	91		21.423				0	
91 4-Ethyltoluene	105		21.423				0	
94 1,3,5-Trimethylbenzene	105		21.530				0	
96 tert-Butylbenzene	119		22.017				0	
97 1,2,4-Trimethylbenzene	105		22.113				0	
98 sec-Butylbenzene	105		22.343				0	
99 4-Isopropyltoluene	119		22.541				0	
100 1,3-Dichlorobenzene	146		22.568				0	
101 1,4-Dichlorobenzene	146		22.701				0	
102 Benzyl chloride	91		22.899				0	
103 n-Butylbenzene	91		23.108				0	
105 1,2-Dichlorobenzene	146		23.226				0	
107 1,2,4-Trichlorobenzene	180		25.708				0	
108 Hexachlorobutadiene	225		25.895				0	
109 Naphthalene	128		26.189				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

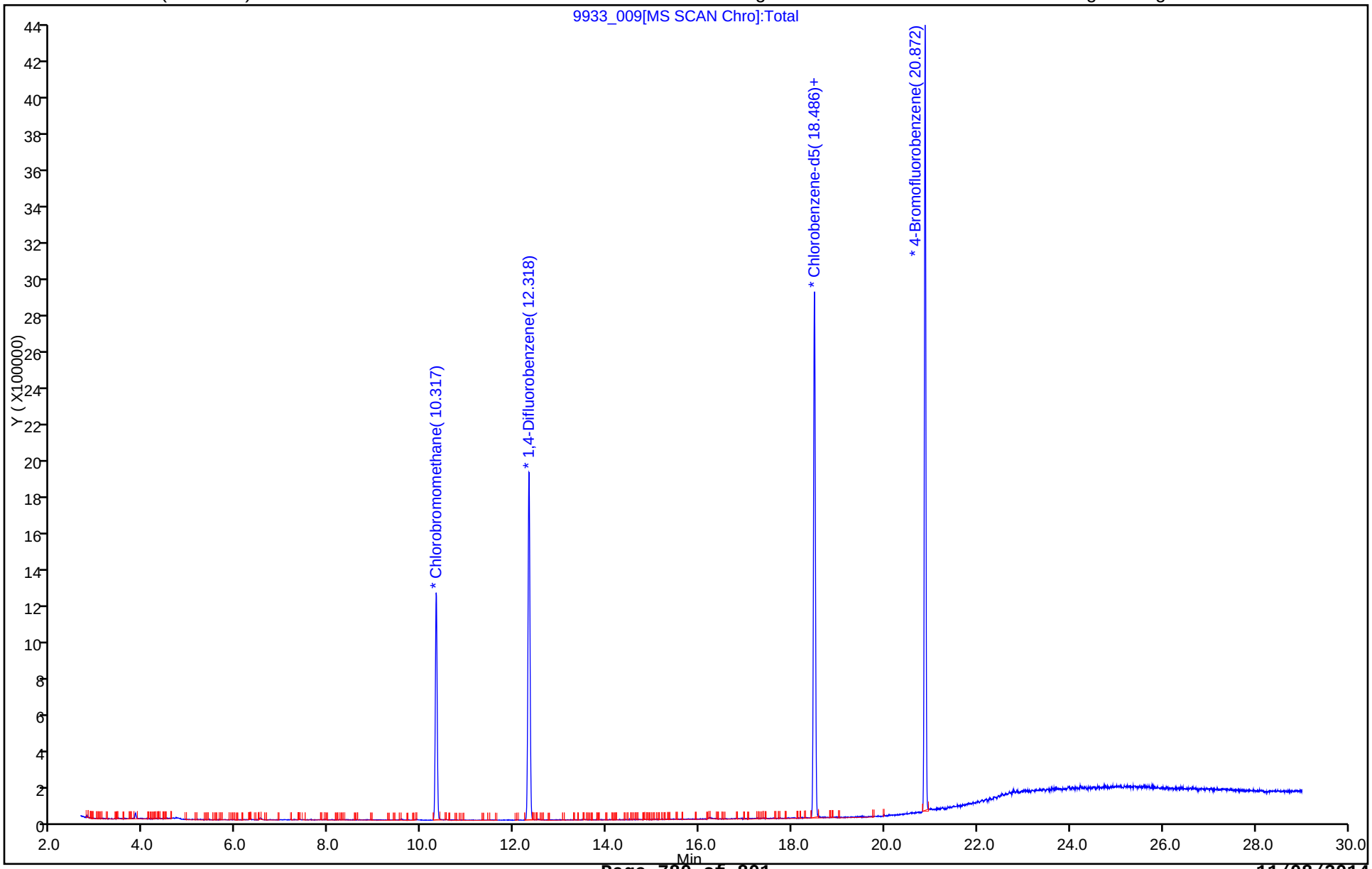
Report Date: 10-Oct-2014 16:17:30 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20141010-9933.b\9933_009.D

Injection Date:	10-Oct-2014 14:47:30	Instrument ID:	CHG.i	Operator ID:	wrd
Lims ID:	200-24648-A-5	Lab Sample ID:	200-24648-5	Worklist Smp#:	9
Client ID:	4789				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	9
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24648-1 Analy Batch No.: 77938

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2014 17:12 Calibration End Date: 09/30/2014 09:46 Calibration ID: 28067

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-77938/5	9732_005.D
Level 2	IC 200-77938/6	9732_006.D
Level 3	IC 200-77938/7	9732_007.D
Level 4	IC 200-77938/21	9732_021.D
Level 5	ICIS 200-77938/9	9732_009.D
Level 6	IC 200-77938/10	9732_010.D
Level 7	IC 200-77938/11	9732_011.D
Level 8	IC 200-77938/12	9732_012.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.4941	+++++ 0.6051	0.6507 0.4674	0.6618	0.4989	Ave		0.5630				15.0		30.0			
Dichlorodifluoromethane	+++++ 2.8493	+++++ 3.4816	3.2691 2.6724	3.8366	2.9318	Ave		3.1735				14.0		30.0			
Freon 22	+++++ 1.3276	+++++ 1.6094	1.4998 1.2453	1.7882	1.3605	Ave		1.4718				14.0		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.3307	2.3787 2.8451	2.6970 2.1994	3.1256	2.3833	Ave		2.5657				13.0		30.0			
Chloromethane	+++++ 0.6533	+++++ 0.7900	0.7886 0.6247	0.8554	0.6589	Ave		0.7285				13.0		30.0			
n-Butane	+++++ 0.8722	+++++ 1.0734	1.0950 0.8302	1.1586	0.8915	Ave		0.9868				14.0		30.0			
Vinyl chloride	1.0176 0.7726	0.7931 0.9567	0.9138 0.7470	1.0081	0.7900	Ave		0.8749				13.0		30.0			
1,3-Butadiene	+++++ 0.4864	0.4783 0.6156	0.5179 0.4799	0.6423	0.5011	Ave		0.5316				13.0		30.0			
Bromomethane	+++++ 0.9985	0.9914 1.2150	1.1046 0.9656	1.3077	1.0052	Ave		1.0840				12.0		30.0			
Chloroethane	+++++ 0.3016	+++++ 0.3650	0.3352 0.2865	0.3991	0.3086	Ave		0.3327				13.0		30.0			
Isopentane	+++++ 0.5498	0.7148 0.6757	0.7981 0.5329	0.7587	0.5697	Ave		0.6571				16.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.0361	0.9766 1.2783	1.0971 1.0254	1.3558	1.0488	Ave		1.1169				13.0		30.0			
Trichlorofluoromethane	+++++ 2.7847	2.8429 3.4419	3.1224 2.7069	3.6626	2.8441	Ave		3.0579				12.0		30.0			
n-Pentane	+++++ 0.8695	+++++ 1.0625	0.9964 0.8367	1.1330	0.9009	Ave		0.9665				12.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24648-1 Analy Batch No.: 77938

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2014 17:12 Calibration End Date: 09/30/2014 09:46 Calibration ID: 28067

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.1904	+++++ 0.2006	0.2109 0.1780	0.3365	0.2492	Ave		0.2276				26.0		30.0			
Ethyl ether	+++++ 0.3403	0.4315 0.4468	0.3871 0.3461	0.4353	0.3599	Ave		0.3924				12.0		30.0			
Acrolein	+++++ 0.1368	+++++ 0.1947	+++++ 0.1524	0.1992	0.1623	Ave		0.1691				16.0		30.0			
Freon TF	+++++ 1.8147	1.8202 2.2277	1.9597 1.7312	2.3598	1.8355	Ave		1.9641				12.0		30.0			
1,1-Dichloroethene	+++++ 0.7880	0.8873 0.9685	0.8856 0.7544	1.0401	0.7920	Ave		0.8737				12.0		30.0			
Acetone	+++++ 1.0011	+++++ 1.2684	+++++ 0.8906	1.2899	1.0206	Ave		1.0941				16.0		30.0			
Carbon disulfide	+++++ 2.1283	+++++ 2.6696	2.4334 2.0631	2.7379	2.1530	Ave		2.3642				12.0		30.0			
Isopropyl alcohol	+++++ 0.6830	+++++ 0.6677	+++++ 0.6138	0.7332	0.5106	Ave		0.6417				13.0		30.0			
3-Chloropropene	+++++ 0.6834	0.6498 0.8178	0.6765 0.6622	0.8348	0.6784	Ave		0.7147				11.0		30.0			
Acetonitrile	+++++ 0.3781	+++++ 0.4611	+++++ 0.3668	0.4558	0.3612	Ave		0.4046				12.0		30.0			
Methylene Chloride	+++++ 0.7606	+++++ 0.9300	0.9583 0.7279	0.9853	0.7704	Ave		0.8554				13.0		30.0			
tert-Butyl alcohol	+++++ 1.0452	+++++ 1.0581	+++++ 0.9422	1.2144	0.8106	Ave		1.0141				15.0		30.0			
Methyl tert-butyl ether	+++++ 1.7532	1.4926 2.3319	1.8122 1.7875	2.2568	1.8458	Ave		1.8972				16.0		30.0			
trans-1,2-Dichloroethene	+++++ 1.0336	1.0208 1.2646	1.1158 0.9848	1.3388	1.0519	Ave		1.1158				12.0		30.0			
Acrylonitrile	+++++ 0.3636	+++++ 0.4641	0.3979 0.3719	0.4414	0.3666	Ave		0.4009				11.0		30.0			
n-Hexane	+++++ 0.7652	0.8795 0.9612	0.9071 0.7529	1.0175	0.7946	Ave		0.8683				12.0		30.0			
1,1-Dichloroethane	1.7236 1.3344	1.3485 1.5936	1.4448 1.2855	1.6233	1.3266	Ave		1.4600				11.0		30.0			
Vinyl acetate	+++++ 1.3803	+++++ 1.8127	+++++ 1.4059	1.6986	1.4489	Ave		1.5493				13.0		30.0			
cis-1,2-Dichloroethene	+++++ 0.9508	0.9644 1.1450	1.0673 0.9239	1.1654	0.9466	Ave		1.0233				9.9		30.0			
Methyl Ethyl Ketone	+++++ 0.3023	+++++ 0.3873	0.5249 0.2927	0.3602	0.2988	Ave		0.3610				25.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24648-1 Analy Batch No.: 77938

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2014 17:12 Calibration End Date: 09/30/2014 09:46 Calibration ID: 28067

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0400	+++++ 0.0560	+++++ 0.0407	0.0494	0.0442	Ave		0.0461				14.0		30.0			
Tetrahydrofuran	+++++ 0.1177	+++++ 0.1648	+++++ 0.1217	0.1617	0.1233	Ave		0.1378				17.0		30.0			
Chloroform	+++++ 2.0292	1.9877 2.4564	2.1886 1.9508	2.4873	2.0653	Ave		2.1665				10.0		30.0			
Cyclohexane	+++++ 0.2012	0.2304 0.2620	0.2381 0.2008	0.2830	0.2080	Ave		0.2319				14.0		30.0			
1,1,1-Trichloroethane	+++++ 0.4686	0.5495 0.5950	0.5472 0.4609	0.6333	0.4796	Ave		0.5335				12.0		30.0			
Carbon tetrachloride	0.5657 0.5517	0.6048 0.7214	0.6217 0.5512	0.7636	0.5700	Ave		0.6188				13.0		30.0			
2,2,4-Trimethylpentane	+++++ 0.6723	0.7327 0.8582	0.7701 0.6491	0.9185	0.7011	Ave		0.7574				13.0		30.0			
Benzene	+++++ 0.5085	0.6718 0.6594	0.6195 0.5042	0.6824	0.5384	Ave		0.5977				13.0		30.0			
1,2-Dichloroethane	+++++ 0.2792	0.2936 0.3625	0.3143 0.2812	0.3797	0.2922	Ave		0.3147				13.0		30.0			
n-Heptane	+++++ 0.2431	0.2869 0.3157	0.3066 0.2391	0.3369	0.2551	Ave		0.2833				14.0		30.0			
n-Butanol	+++++ 0.0618	+++++ 0.0625	+++++ 0.0556	0.0680	0.0430	Ave		0.0582				16.0		30.0			
Trichloroethene	0.3236 0.3002	0.3495 0.3906	0.3413 0.2963	0.4111	0.3138	Ave		0.3408				12.0		30.0			
1,2-Dichloropropane	+++++ 0.1997	0.2140 0.2654	0.2287 0.2023	0.2659	0.2146	Ave		0.2272				12.0		30.0			
Methyl methacrylate	+++++ 0.1620	+++++ 0.2360	0.1576 0.1729	0.2200	0.1758	Ave		0.1874				17.0		30.0			
1,4-Dioxane	+++++ 0.0867	+++++ 0.0880	+++++ 0.0810	0.0943	0.0664	Ave		0.0833				13.0		30.0			
Dibromomethane	+++++ 0.3171	0.3550 0.4125	0.3644 0.3162	0.4283	0.3293	Ave		0.3604				12.0		30.0			
Bromodichloromethane	+++++ 0.5467	0.5161 0.7205	0.5910 0.5575	0.7220	0.5760	Ave		0.6043				14.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.3567	0.3658 0.4865	0.3830 0.3713	0.4736	0.3754	Ave		0.4017				13.0		30.0			
methyl isobutyl ketone	+++++ 0.3661	+++++ 0.5389	0.4115 0.3825	0.5104	0.3936	Ave		0.4338				17.0		30.0			
Toluene	+++++ 0.4239	0.4436 0.5614	0.4903 0.4328	0.5599	0.4507	Ave		0.4804				12.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24648-1 Analy Batch No.: 77938

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2014 17:12 Calibration End Date: 09/30/2014 09:46 Calibration ID: 28067

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.3931	0.4529 0.5240	0.4720 0.3929	0.5501	0.4240	Ave		0.4584				13.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.3825	0.4290 0.5366	0.4051 0.4004	0.5277	0.4095	Ave		0.4416				14.0		30.0			
1,1,2-Trichloroethane	+++++ 0.2266	0.2248 0.3034	0.2621 0.2301	0.3037	0.2396	Ave		0.2558				14.0		30.0			
Tetrachloroethene	0.4901 0.4453	0.4674 0.5834	0.5407 0.4502	0.5978	0.4676	Ave		0.5053				12.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.3431	+++++ 0.4889	0.4096 0.3523	0.4581	0.3573	Ave		0.4016				15.0		30.0			
Dibromochloromethane	+++++ 0.5970	0.5039 0.7959	0.5836 0.6149	0.7735	0.6267	Ave		0.6422				16.0		30.0			
1,2-Dibromoethane	+++++ 0.4603	0.4341 0.6280	0.5157 0.4747	0.6140	0.4889	Ave		0.5165				15.0		30.0			
Chlorobenzene	+++++ 0.6130	0.6828 0.8241	0.7391 0.6340	0.8427	0.6508	Ave		0.7124				13.0		30.0			
Ethylbenzene	+++++ 0.9270	1.0497 1.2640	1.0572 0.9508	1.3052	1.0008	Ave		1.0792				14.0		30.0			
n-Nonane	+++++ 0.3643	0.3891 0.4844	0.4282 0.3639	0.5109	0.3954	Ave		0.4195				14.0		30.0			
m,p-Xylene	+++++ 0.3715	0.4317 0.5071	0.4251 0.3850	0.5244	0.3982	Ave		0.4347				14.0		30.0			
Xylene, o-	+++++ 0.3817	0.3947 0.5232	0.4106 0.3949	0.5292	0.4089	Ave		0.4347				15.0		30.0			
Styrene	+++++ 0.5746	0.6065 0.7912	0.4754 0.6035	0.7791	0.6040	Ave		0.6335				18.0		30.0			
Bromoform	+++++ 0.6066	0.5133 0.8312	0.5833 0.6266	0.8152	0.6523	Ave		0.6612				18.0		30.0			
Cumene	+++++ 1.0743	1.0660 1.4756	1.1943 1.1051	1.4983	1.1637	Ave		1.2253				15.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.5764	0.6218 0.7872	0.6812 0.5747	0.8107	0.6310	Ave		0.6690				14.0		30.0			
n-Propylbenzene	+++++ 1.2648	1.3552 1.7378	1.4561 1.2580	1.7987	1.3848	Ave		1.4651				15.0		30.0			
1,2,3-Trichloropropane	+++++ 0.4304	+++++ 0.5832	0.5400 0.4226	0.6199	0.4711	Ave		0.5112				16.0		30.0			
n-Decane	+++++ 0.4236	+++++ 0.5583	0.5571 0.3778	0.6402	0.4850	Ave		0.5070				19.0		30.0			
4-Ethyltoluene	+++++ 1.0191	1.2577 1.4073	1.1978 1.0307	1.4840	1.1262	Ave		1.2175				15.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24648-1 Analy Batch No.: 77938

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2014 17:12 Calibration End Date: 09/30/2014 09:46 Calibration ID: 28067

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 0.8722	1.0763 1.1740	1.0707 0.8477	1.2687	0.9599	Ave		1.0385				15.0		30.0			
1,3,5-Trimethylbenzene	+++++ 0.9189	0.9271 1.2717	1.0166 0.9447	1.2964	1.0007	Ave		1.0537				15.0		30.0			
Alpha Methyl Styrene	+++++ 0.4782	0.5090 0.6442	0.2046 0.5011	0.6045	0.4691	Ave		0.4873				29.0		30.0			
tert-Butylbenzene	+++++ 0.8590	0.8914 1.1817	0.9636 0.8836	1.2284	0.9342	Ave		0.9917				15.0		30.0			
1,2,4-Trimethylbenzene	+++++ 0.9168	0.9846 1.2692	1.0271 0.9336	1.2941	1.0013	Ave		1.0609				15.0		30.0			
sec-Butylbenzene	+++++ 1.2913	1.2803 1.7709	1.4552 1.3020	1.8422	1.4196	Ave		1.4802				16.0		30.0			
4-Isopropyltoluene	+++++ 1.0777	1.1111 1.5045	1.2590 1.0998	1.5431	1.1942	Ave		1.2556				15.0		30.0			
1,3-Dichlorobenzene	+++++ 0.6810	1.1070 0.9514	0.8570 0.6933	1.0132	0.7473	Ave		0.8643				19.0		30.0			
1,4-Dichlorobenzene	+++++ 0.6931	1.0091 0.9817	0.8684 0.7082	1.0278	0.7597	Ave		0.8640				17.0		30.0			
Benzyl chloride	+++++ 0.6908	0.5990 1.0194	0.7071 0.7434	0.9559	0.7462	Ave		0.7803				19.0		30.0			
n-Butylbenzene	+++++ 0.9809	1.0863 1.3707	1.1802 0.9564	1.4345	1.0964	Ave		1.1579				16.0		30.0			
n-Undecane	+++++ 0.4385	+++++ 0.6474	+++++ 0.4323	0.7156	0.5094	Ave		0.5486				23.0		30.0			
1,2-Dichlorobenzene	+++++ 0.6746	0.9483 0.9324	0.8165 0.6811	0.9769	0.7381	Ave		0.8240				16.0		30.0			
n-Dodecane	+++++ 0.4075	+++++ 0.6312	+++++ 0.2633	0.6044	0.4496	Ave		0.4712				32.0	*	30.0			
1,2,4-Trichlorobenzene	+++++ 0.5560	+++++ 0.8519	0.7346 0.4942	0.8727	0.6463	Ave		0.6926				22.0		30.0			
Hexachlorobutadiene	+++++ 0.5108	0.5650 0.7028	0.6792 0.4440	0.7716	0.5750	Ave		0.6069				19.0		30.0			
Naphthalene	+++++ 1.0897	+++++ 1.7696	1.1915 0.9541	1.6832	1.2454	Ave		1.3223				25.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.5194	0.5816 0.8016	0.6821 0.4082	0.8053	0.5880	Ave		0.6266				23.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24648-1 Analy Batch No.: 77938

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2014 17:12 Calibration End Date: 09/30/2014 09:46 Calibration ID: 28067

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-77938/5	9732_005.D
Level 2	IC 200-77938/6	9732_006.D
Level 3	IC 200-77938/7	9732_007.D
Level 4	IC 200-77938/21	9732_021.D
Level 5	ICIS 200-77938/9	9732_009.D
Level 6	IC 200-77938/10	9732_010.D
Level 7	IC 200-77938/11	9732_011.D
Level 8	IC 200-77938/12	9732_012.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 364952	+++++ 481121	14391 910752	125274	232597	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 2104645	+++++ 2768083	72305 5207474	726256	1366907	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Freon 22	BCM	Ave	+++++ 980598	+++++ 1279587	33171 2426634	338499	634336	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1721553	21570 2261998	59650 4285724	591674	1111208	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Chloromethane	BCM	Ave	+++++ 482576	+++++ 628082	17442 1217378	161924	307216	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
n-Butane	BCM	Ave	+++++ 644270	+++++ 853398	24219 1617737	219324	415659	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Vinyl chloride	BCM	Ave	1816 570667	7192 760620	20210 1455643	190831	368352	0.0401 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,3-Butadiene	BCM	Ave	+++++ 359280	4337 489453	11454 935214	121594	233621	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Bromomethane	BCM	Ave	+++++ 737529	8990 965990	24431 1881575	247544	468655	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Chloroethane	BCM	Ave	+++++ 222764	+++++ 290197	7413 558249	75554	143873	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Isopentane	BCM	Ave	+++++ 406093	6482 537205	17653 1038522	143611	265597	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 765294	8856 1016358	24265 1998082	256647	488988	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 2056948	25780 2736519	69059 5274807	693315	1326028	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Pentane	BCM	Ave	+++++ 642244	+++++ 844753	22039 1630338	214475	420044	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Ethanol	BCM	Ave	+++++ 187912	+++++ 319069	46706 867225	95601	174361	+++++ 20.0	+++++ 40.0	5.01 100.0	7.50	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24648-1 Analy Batch No.: 77938

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2014 17:12 Calibration End Date: 09/30/2014 09:46 Calibration ID: 28067

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 251389	3913 355229	8561 674336	82403	167779	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Acrolein	BCM	Ave	+++++ 101040	+++++ 154808	+++++ 297059	37706	75682	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Freon TF	BCM	Ave	+++++ 1340406	16506 1771193	43344 3373563	446698	855805	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 582057	8046 770058	19587 1470063	196893	369271	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Acetone	BCM	Ave	+++++ 739427	+++++ 1008467	+++++ 1735433	244177	475841	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Carbon disulfide	BCM	Ave	+++++ 1572080	+++++ 2122521	53821 4020299	518287	1003806	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Isopropyl alcohol	BCM	Ave	+++++ 504492	+++++ 530877	+++++ 1196116	138796	238077	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
3-Chloropropene	BCM	Ave	+++++ 504780	5892 650196	14962 1290353	158028	316310	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Acetonitrile	BCM	Ave	+++++ 279255	+++++ 366627	+++++ 714728	86280	168413	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Methylene Chloride	BCM	Ave	+++++ 561796	+++++ 739411	21195 1418396	186517	359195	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 772005	+++++ 841288	+++++ 1836046	229874	377916	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1295011	13535 1853995	40082 3483214	427214	860606	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 763474	9257 1005460	24678 1918945	253441	490435	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Acrylonitrile	BCM	Ave	+++++ 268552	+++++ 369003	8800 724666	83554	170924	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
n-Hexane	BCM	Ave	+++++ 565231	7975 764253	20062 1467035	192609	370474	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1-Dichloroethane	BCM	Ave	3076 985655	12228 1267010	31955 2504949	307286	618512	0.0401 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Vinyl acetate	BCM	Ave	+++++ 1019560	+++++ 1441201	+++++ 2739523	321534	675518	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 702282	8745 910328	23606 1800279	220608	441355	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 223298	+++++ 307951	11609 570288	68179	139299	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Ethyl acetate	BCM	Ave	+++++ 29572	+++++ 44504	+++++ 79270	9351	20597	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Tetrahydrofuran	DFB	Ave	+++++ 419150	+++++ 592814	+++++ 1113689	134319	269880	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24648-1 Analy Batch No.: 77938

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2014 17:12 Calibration End Date: 09/30/2014 09:46 Calibration ID: 28067

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 1498833	18025 1953018	48406 3801335	470839	962943	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Cyclohexane	DFB	Ave	+++++ 716626	8158 942126	23029 1837493	235108	455246	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 1669129	19458 2139810	52928 4218457	526113	1049473	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Carbon tetrachloride	DFB	Ave	4945 1964913	21416 2594332	60135 5045063	634350	1247292	0.0401 15.0	0.200 20.0	0.500 40.0	5.00	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 2394471	25944 3086459	74485 5940501	763019	1534084	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Benzene	DFB	Ave	+++++ 1811155	23787 2371201	59923 4614906	566869	1178158	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 994454	10396 1303709	30401 2573284	315450	639388	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Heptane	DFB	Ave	+++++ 865713	10158 1135213	29651 2188003	279896	558109	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Butanol	DFB	Ave	+++++ 220108	+++++ 224739	+++++ 509210	56459	94056	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Trichloroethene	DFB	Ave	2829 1069366	12374 1404585	33015 2712138	341548	686682	0.0401 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 711394	7579 954573	22121 1851977	220862	469604	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Methyl methacrylate	DFB	Ave	+++++ 576935	+++++ 848613	15247 1582116	182804	384575	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
1,4-Dioxane	DFB	Ave	+++++ 308797	+++++ 316301	+++++ 741498	78313	145249	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Dibromomethane	DFB	Ave	+++++ 1129467	12571 1483491	35244 2893657	355839	720554	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Bromodichloromethane	DFB	Ave	+++++ 1947128	18275 2591084	57160 5102886	599802	1260416	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 1270354	12952 1749519	37045 3398077	393412	821386	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 1304079	+++++ 1938206	39800 3501119	423979	861343	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Toluene	CBZ	Ave	+++++ 1620875	18230 2198682	50230 4267120	502304	1058662	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Octane	DFB	Ave	+++++ 1400182	16036 1884458	45655 3596017	457010	927770	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 1362517	15192 1929800	39179 3664961	438416	896122	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 866467	9239 1188297	26854 2268895	272449	562815	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24648-1 Analy Batch No.: 77938

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2014 17:12 Calibration End Date: 09/30/2014 09:46 Calibration ID: 28067

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	4402 1702698	19207 2284991	55389 4438806	536321	1098315	0.0401 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 1311864	+++++ 1915060	41962 3473569	410939	839298	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Dibromochloromethane	CBZ	Ave	+++++ 2282814	20709 3117215	59783 6063051	693860	1472146	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 1759988	17841 2459539	52830 4681114	550829	1148423	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Chlorobenzene	CBZ	Ave	+++++ 2343887	28063 3227611	75717 6251062	756020	1528738	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Ethylbenzene	CBZ	Ave	+++++ 3544314	43141 4950748	108305 9375519	1170879	2350843	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Nonane	CBZ	Ave	+++++ 1392908	15992 1897218	43871 3588601	458282	928766	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
m,p-Xylene	CBZ	Ave	+++++ 2840761	35485 3972633	87108 7592013	940906	1870919	+++++ 30.0	0.401 40.0	1.00 80.0	10.00	20.0
Xylene, o-	CBZ	Ave	+++++ 1459317	16223 2049114	42064 3894139	474710	960617	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Styrene	CBZ	Ave	+++++ 2197184	24925 3098946	48701 5950988	698897	1418907	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Bromoform	CBZ	Ave	+++++ 2319388	21095 3255580	59754 6178261	731301	1532288	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Cumene	CBZ	Ave	+++++ 4107738	43808 5779520	122350 10896430	1344098	2733564	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 2203997	25555 3083062	69786 5667065	727316	1482321	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Propylbenzene	CBZ	Ave	+++++ 4836086	55695 6806505	149175 12404334	1613628	3252813	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1645714	+++++ 2284290	55316 4167085	556145	1106672	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
n-Decane	CBZ	Ave	+++++ 1619592	+++++ 2186636	57068 3725174	574324	1139187	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 3896545	51687 5511878	122708 10163538	1331282	2645426	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 3334846	44235 4598226	109690 8358328	1138136	2254746	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 3513420	38103 4980843	104148 9315523	1162945	2350619	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 1828595	20920 2523220	20963 4941397	542295	1101811	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 3284655	36635 4628393	98713 8712881	1101967	2194491	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24648-1 Analy Batch No.: 77938

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2014 17:12 Calibration End Date: 09/30/2014 09:46 Calibration ID: 28067

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 3505312	40465 4971133	105217 9205310	1160917	2352078	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 4937398	52619 6936074	149080 12838399	1652625	3334657	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 4120747	45664 5892539	128974 10844512	1384264	2805111	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 2603976	45495 3726372	87798 6835828	908933	1755346	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 2650216	41472 3845125	88960 6982956	922064	1784615	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Benzyl chloride	CBZ	Ave	+++++ 2641294	24617 3992660	72439 7329722	857535	1752915	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Butylbenzene	CBZ	Ave	+++++ 3750698	44643 5368530	120901 9430771	1286866	2575396	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Undecane	CBZ	Ave	+++++ 1676529	+++++ 2535556	+++++ 4262851	642001	1196534	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 2579586	38971 3651806	83646 6715745	876336	1733893	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Dodecane	CBZ	Ave	+++++ 1558017	+++++ 2472284	+++++ 2596016	542232	1056007	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 2125918	+++++ 3336823	75259 4872507	782885	1518170	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 1953117	23220 2752499	69583 4378350	692165	1350679	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Naphthalene	CBZ	Ave	+++++ 4166712	+++++ 6930964	122067 9408069	1510021	2925404	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 1985963	23902 3139627	69873 4024527	722389	1381232	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00

Curve Type Legend:
Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24648-1

SDG No.:

Lab Sample ID: ICV 200-77938/22 Calibration Date: 09/30/2014 10:37

Instrument ID: CHG.i Calib Start Date: 09/29/2014 17:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 09/30/2014 09:46

Lab File ID: 9732_022.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5630	0.5052		8.97	10.0	-10.3	30.0
Dichlorodifluoromethane	Ave	3.173	3.088		9.73	10.0	-2.7	30.0
Freon 22	Ave	1.472	1.435		9.75	10.0	-2.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.566	2.836		11.1	10.0	10.5	30.0
Chloromethane	Ave	0.7285	0.6874		9.43	10.0	-5.6	30.0
n-Butane	Ave	0.9868	0.9426		9.55	10.0	-4.5	30.0
Vinyl chloride	Ave	0.8749	0.8211		9.38	10.0	-6.1	30.0
1,3-Butadiene	Ave	0.5316	0.5115		9.62	10.0	-3.8	30.0
Bromomethane	Ave	1.084	1.072		9.89	10.0	-1.1	30.0
Chloroethane	Ave	0.3327	0.3159		9.49	10.0	-5.0	30.0
Isopentane	Ave	0.6571	0.6558		9.98	10.0	-0.2	30.0
Bromoethene(Vinyl Bromide)	Ave	1.117	1.112		9.96	10.0	-0.4	30.0
Trichlorofluoromethane	Ave	3.058	3.007		9.83	10.0	-1.7	30.0
n-Pentane	Ave	0.9665	1.037		10.7	10.0	7.3	30.0
Ethanol	Ave	0.2276	0.2779		18.3	15.0	22.1	30.0
Ethyl ether	Ave	0.3924	0.4048		10.3	10.0	3.2	30.0
Acrolein	Ave	0.1691	0.1810		10.7	10.0	7.0	30.0
Freon TF	Ave	1.964	1.972		10.0	10.0	0.4	30.0
1,1-Dichloroethene	Ave	0.8737	0.8401		9.61	10.0	-3.8	30.0
Acetone	Ave	1.094	1.022		9.34	10.0	-6.6	30.0
Carbon disulfide	Ave	2.364	2.648		11.2	10.0	12.0	30.0
Isopropyl alcohol	Ave	0.6417	0.6513		10.1	10.0	1.5	30.0
3-Chloropropene	Ave	0.7147	0.6769		9.47	10.0	-5.3	30.0
Acetonitrile	Ave	0.4046	0.4002		9.89	10.0	-1.1	30.0
Methylene Chloride	Ave	0.8554	0.8186		9.57	10.0	-4.3	30.0
tert-Butyl alcohol	Ave	1.014	1.045		10.3	10.0	3.0	30.0
Methyl tert-butyl ether	Ave	1.897	1.869		9.85	10.0	-1.5	30.0
trans-1,2-Dichloroethene	Ave	1.116	1.183		10.6	10.0	6.0	30.0
Acrylonitrile	Ave	0.4009	0.3987		9.94	10.0	-0.6	30.0
n-Hexane	Ave	0.8683	0.8969		10.3	10.0	3.3	30.0
1,1-Dichloroethane	Ave	1.460	1.413		9.67	10.0	-3.2	30.0
Vinyl acetate	Ave	1.549	1.416		9.14	10.0	-8.6	30.0
cis-1,2-Dichloroethene	Ave	1.023	0.9752		9.53	10.0	-4.7	30.0
Methyl Ethyl Ketone	Ave	0.3610	0.3216		8.91	10.0	-10.9	30.0
Ethyl acetate	Ave	0.0461	0.0491		10.7	10.0	6.7	30.0
Tetrahydrofuran	Ave	0.1378	0.1384		10.0	10.0	0.4	30.0
Chloroform	Ave	2.166	2.163		9.98	10.0	-0.2	30.0
Cyclohexane	Ave	0.2319	0.2457		10.6	10.0	5.9	30.0
1,1,1-Trichloroethane	Ave	0.5335	0.5503		10.3	10.0	3.2	30.0
Carbon tetrachloride	Ave	0.6188	0.6594		10.7	10.0	6.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24648-1

SDG No.:

Lab Sample ID: ICV 200-77938/22 Calibration Date: 09/30/2014 10:37

Instrument ID: CHG.i Calib Start Date: 09/29/2014 17:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 09/30/2014 09:46

Lab File ID: 9732_022.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.7574	0.7806		10.3	10.0	3.1	30.0
Benzene	Ave	0.5977	0.5958		9.97	10.0	-0.3	30.0
1,2-Dichloroethane	Ave	0.3147	0.3258		10.4	10.0	3.5	30.0
n-Heptane	Ave	0.2833	0.2866		10.1	10.0	1.1	30.0
n-Butanol	Ave	0.0582	0.0727		12.5	10.0	24.9	30.0
Trichloroethene	Ave	0.3408	0.3635		10.7	10.0	6.6	30.0
1,2-Dichloropropane	Ave	0.2272	0.2322		10.2	10.0	2.2	30.0
Methyl methacrylate	Ave	0.1874	0.1986		10.6	10.0	6.0	30.0
1,4-Dioxane	Ave	0.0833	0.1020		12.2	10.0	22.5	30.0
Dibromomethane	Ave	0.3604	0.3710		10.3	10.0	2.9	30.0
Bromodichloromethane	Ave	0.6043	0.6322		10.5	10.0	4.6	30.0
cis-1,3-Dichloropropene	Ave	0.4017	0.4242		10.6	10.0	5.6	30.0
methyl isobutyl ketone	Ave	0.4338	0.4459		10.3	10.0	2.8	30.0
Toluene	Ave	0.4804	0.4881		10.2	10.0	1.6	30.0
n-Octane	Ave	0.4584	0.4714		10.3	10.0	2.8	30.0
trans-1,3-Dichloropropene	Ave	0.4416	0.4560		10.3	10.0	3.3	30.0
1,1,2-Trichloroethane	Ave	0.2558	0.2650		10.4	10.0	3.6	30.0
Tetrachloroethene	Ave	0.5053	0.5224		10.3	10.0	3.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4016	0.4000		9.96	10.0	-0.4	30.0
Dibromochloromethane	Ave	0.6422	0.6594		10.3	10.0	2.7	30.0
1,2-Dibromoethane	Ave	0.5165	0.5364		10.4	10.0	3.8	30.0
Chlorobenzene	Ave	0.7124	0.7158		10.0	10.0	0.5	30.0
Ethylbenzene	Ave	1.079	1.069		9.90	10.0	-1.0	30.0
n-Nonane	Ave	0.4195	0.4203		10.0	10.0	0.2	30.0
m,p-Xylene	Ave	0.4347	0.4234		19.5	20.0	-2.6	30.0
Xylene, o-	Ave	0.4347	0.4311		9.91	10.0	-0.8	30.0
Styrene	Ave	0.6335	0.6471		10.2	10.0	2.1	30.0
Bromoform	Ave	0.6612	0.6815		10.3	10.0	3.1	30.0
Cumene	Ave	1.225	1.208		9.85	10.0	-1.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6690	0.6766		10.1	10.0	1.1	30.0
n-Propylbenzene	Ave	1.465	1.436		9.80	10.0	-2.0	30.0
1,2,3-Trichloropropane	Ave	0.5112	0.4868		9.52	10.0	-4.8	30.0
n-Decane	Ave	0.5070	0.4959		9.78	10.0	-2.2	30.0
4-Ethyltoluene	Ave	1.218	1.198		9.84	10.0	-1.6	30.0
2-Chlorotoluene	Ave	1.038	1.006		9.69	10.0	-3.1	30.0
1,3,5-Trimethylbenzene	Ave	1.054	1.036		9.83	10.0	-1.7	30.0
Alpha Methyl Styrene	Ave	0.4873	0.5506		11.3	10.0	13.0	30.0
tert-Butylbenzene	Ave	0.9917	0.9741		9.82	10.0	-1.8	30.0
1,2,4-Trimethylbenzene	Ave	1.061	1.039		9.79	10.0	-2.1	30.0
sec-Butylbenzene	Ave	1.480	1.457		9.84	10.0	-1.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24648-1

SDG No.:

Lab Sample ID: ICV 200-77938/22 Calibration Date: 09/30/2014 10:37

Instrument ID: CHG.i Calib Start Date: 09/29/2014 17:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 09/30/2014 09:46

Lab File ID: 9732_022.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.256	1.244		9.91	10.0	-0.9	30.0
1,3-Dichlorobenzene	Ave	0.8643	0.7958		9.21	10.0	-7.9	30.0
1,4-Dichlorobenzene	Ave	0.8640	0.8075		9.34	10.0	-6.5	30.0
Benzyl chloride	Ave	0.7803	0.7727		9.90	10.0	-1.0	30.0
n-Butylbenzene	Ave	1.158	1.146		9.89	10.0	-1.0	30.0
n-Undecane	Ave	0.5486	0.5656		10.3	10.0	3.1	30.0
1,2-Dichlorobenzene	Ave	0.8240	0.7831		9.50	10.0	-5.0	30.0
n-Dodecane	Ave	0.4712	0.5199		11.0	10.0	10.3	30.0
1,2,4-Trichlorobenzene	Ave	0.6926	0.6465		9.33	10.0	-6.7	30.0
Hexachlorobutadiene	Ave	0.6069	0.6019		9.92	10.0	-0.8	30.0
Naphthalene	Ave	1.322	1.105		8.36	10.0	-16.4	30.0
1,2,3-Trichlorobenzene	Ave	0.6266	0.5804		9.26	10.0	-7.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24648-1

SDG No.:

Lab Sample ID: CCVIS 200-78491/2 Calibration Date: 10/10/2014 08:46

Instrument ID: CHG.i Calib Start Date: 09/29/2014 17:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 09/30/2014 09:46

Lab File ID: 9933_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5630	0.5344		9.49	10.0	-5.1	30.0
Dichlorodifluoromethane	Ave	3.173	2.748		8.66	10.0	-13.4	30.0
Freon 22	Ave	1.472	1.363		9.26	10.0	-7.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.566	2.292		8.93	10.0	-10.7	30.0
Chloromethane	Ave	0.7285	0.7031		9.65	10.0	-3.5	30.0
n-Butane	Ave	0.9868	0.9570		9.70	10.0	-3.0	30.0
Vinyl chloride	Ave	0.8749	0.8052		9.20	10.0	-8.0	30.0
1,3-Butadiene	Ave	0.5316	0.5184		9.75	10.0	-2.5	30.0
Bromomethane	Ave	1.084	0.9867		9.10	10.0	-9.0	30.0
Chloroethane	Ave	0.3327	0.3194		9.60	10.0	-4.0	30.0
Isopentane	Ave	0.6571	0.6249		9.51	10.0	-4.9	30.0
Bromoethene(Vinyl Bromide)	Ave	1.117	1.005		9.00	10.0	-10.0	30.0
Trichlorofluoromethane	Ave	3.058	2.654		8.68	10.0	-13.2	30.0
n-Pentane	Ave	0.9665	0.9588		9.92	10.0	-0.8	30.0
Ethanol	Ave	0.2276	0.2689		17.7	15.0	18.1	30.0
Ethyl ether	Ave	0.3924	0.3662		9.33	10.0	-6.7	30.0
Acrolein	Ave	0.1691	0.1563		9.24	10.0	-7.6	30.0
Freon TF	Ave	1.964	1.753		8.92	10.0	-10.8	30.0
1,1-Dichloroethene	Ave	0.8737	0.7792		8.92	10.0	-10.8	30.0
Acetone	Ave	1.094	1.018		9.31	10.0	-6.9	30.0
Carbon disulfide	Ave	2.364	2.160		9.14	10.0	-8.6	30.0
Isopropyl alcohol	Ave	0.6417	0.6280		9.79	10.0	-2.1	30.0
3-Chloropropene	Ave	0.7147	0.7473		10.5	10.0	4.6	30.0
Acetonitrile	Ave	0.4046	0.3889		9.61	10.0	-3.9	30.0
Methylene Chloride	Ave	0.8554	0.8183		9.56	10.0	-4.3	30.0
tert-Butyl alcohol	Ave	1.014	0.9189		9.06	10.0	-9.4	30.0
Methyl tert-butyl ether	Ave	1.897	1.756		9.26	10.0	-7.4	30.0
trans-1,2-Dichloroethene	Ave	1.116	1.068		9.57	10.0	-4.3	30.0
Acrylonitrile	Ave	0.4009	0.3726		9.29	10.0	-7.1	30.0
n-Hexane	Ave	0.8683	0.8221		9.47	10.0	-5.3	30.0
1,1-Dichloroethane	Ave	1.460	1.357		9.30	10.0	-7.0	30.0
Vinyl acetate	Ave	1.549	1.486		9.59	10.0	-4.1	30.0
cis-1,2-Dichloroethene	Ave	1.023	0.9422		9.21	10.0	-7.9	30.0
Methyl Ethyl Ketone	Ave	0.3610	0.2886		7.99	10.0	-20.1	30.0
Ethyl acetate	Ave	0.0461	0.0408		8.86	10.0	-11.4	30.0
Tetrahydrofuran	Ave	0.1378	0.1199		8.69	10.0	-13.0	30.0
Chloroform	Ave	2.166	2.014		9.29	10.0	-7.1	30.0
Cyclohexane	Ave	0.2319	0.1950		8.41	10.0	-15.9	30.0
1,1,1-Trichloroethane	Ave	0.5335	0.4307		8.07	10.0	-19.3	30.0
Carbon tetrachloride	Ave	0.6188	0.4951		8.00	10.0	-20.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24648-1

SDG No.:

Lab Sample ID: CCVIS 200-78491/2 Calibration Date: 10/10/2014 08:46

Instrument ID: CHG.i Calib Start Date: 09/29/2014 17:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 09/30/2014 09:46

Lab File ID: 9933_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.7574	0.6779		8.95	10.0	-10.5	30.0
Benzene	Ave	0.5977	0.5028		8.41	10.0	-15.9	30.0
1,2-Dichloroethane	Ave	0.3147	0.2716		8.63	10.0	-13.7	30.0
n-Heptane	Ave	0.2833	0.2531		8.93	10.0	-10.7	30.0
n-Butanol	Ave	0.0582	0.0507		8.70	10.0	-12.9	30.0
Trichloroethene	Ave	0.3408	0.2922		8.57	10.0	-14.3	30.0
1,2-Dichloropropane	Ave	0.2272	0.2037		8.96	10.0	-10.3	30.0
Methyl methacrylate	Ave	0.1874	0.1603		8.55	10.0	-14.5	30.0
1,4-Dioxane	Ave	0.0833	0.0718		8.62	10.0	-13.8	30.0
Dibromomethane	Ave	0.3604	0.3077		8.54	10.0	-14.6	30.0
Bromodichloromethane	Ave	0.6043	0.5413		8.96	10.0	-10.4	30.0
cis-1,3-Dichloropropene	Ave	0.4017	0.3657		9.10	10.0	-9.0	30.0
methyl isobutyl ketone	Ave	0.4338	0.3777		8.70	10.0	-13.0	30.0
Toluene	Ave	0.4804	0.4286		8.92	10.0	-10.8	30.0
n-Octane	Ave	0.4584	0.4230		9.23	10.0	-7.7	30.0
trans-1,3-Dichloropropene	Ave	0.4416	0.3863		8.75	10.0	-12.5	30.0
1,1,2-Trichloroethane	Ave	0.2558	0.2251		8.80	10.0	-12.0	30.0
Tetrachloroethene	Ave	0.5053	0.4343		8.59	10.0	-14.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4016	0.3316		8.26	10.0	-17.4	30.0
Dibromochloromethane	Ave	0.6422	0.5720		8.90	10.0	-10.9	30.0
1,2-Dibromoethane	Ave	0.5165	0.4483		8.68	10.0	-13.2	30.0
Chlorobenzene	Ave	0.7124	0.6022		8.45	10.0	-15.5	30.0
Ethylbenzene	Ave	1.079	0.9075		8.41	10.0	-15.9	30.0
n-Nonane	Ave	0.4195	0.3723		8.87	10.0	-11.2	30.0
m,p-Xylene	Ave	0.4347	0.3693		17.0	20.0	-15.1	30.0
Xylene, o-	Ave	0.4347	0.3796		8.73	10.0	-12.7	30.0
Styrene	Ave	0.6335	0.5607		8.85	10.0	-11.5	30.0
Bromoform	Ave	0.6612	0.5769		8.72	10.0	-12.8	30.0
Cumene	Ave	1.225	1.051		8.58	10.0	-14.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6690	0.5701		8.52	10.0	-14.8	30.0
n-Propylbenzene	Ave	1.465	1.237		8.44	10.0	-15.6	30.0
1,2,3-Trichloropropane	Ave	0.5112	0.4232		8.28	10.0	-17.2	30.0
n-Decane	Ave	0.5070	0.4345		8.57	10.0	-14.3	30.0
2-Chlorotoluene	Ave	1.038	0.8475		8.16	10.0	-18.4	30.0
4-Ethyltoluene	Ave	1.218	1.000		8.21	10.0	-17.9	30.0
1,3,5-Trimethylbenzene	Ave	1.054	0.8892		8.44	10.0	-15.6	30.0
Alpha Methyl Styrene	Ave	0.4873	0.4620		9.48	10.0	-5.2	30.0
tert-Butylbenzene	Ave	0.9917	0.8471		8.54	10.0	-14.6	30.0
1,2,4-Trimethylbenzene	Ave	1.061	0.8896		8.38	10.0	-16.2	30.0
sec-Butylbenzene	Ave	1.480	1.273		8.60	10.0	-14.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24648-1

SDG No.:

Lab Sample ID: CCVIS 200-78491/2 Calibration Date: 10/10/2014 08:46

Instrument ID: CHG.i Calib Start Date: 09/29/2014 17:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 09/30/2014 09:46

Lab File ID: 9933_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.256	1.053		8.38	10.0	-16.2	30.0
1,3-Dichlorobenzene	Ave	0.8643	0.6654		7.70	10.0	-23.0	30.0
1,4-Dichlorobenzene	Ave	0.8640	0.6810		7.88	10.0	-21.2	30.0
Benzyl chloride	Ave	0.7803	0.6396		8.20	10.0	-18.0	30.0
n-Butylbenzene	Ave	1.158	0.9592		8.28	10.0	-17.2	30.0
n-Undecane	Ave	0.5486	0.4440		8.09	10.0	-19.1	30.0
1,2-Dichlorobenzene	Ave	0.8240	0.6612		8.02	10.0	-19.8	30.0
n-Dodecane	Ave	0.4712	0.3592		7.62	10.0	-23.8	30.0
1,2,4-Trichlorobenzene	Ave	0.6926	0.5234		7.56	10.0	-24.4	30.0
Hexachlorobutadiene	Ave	0.6069	0.4608		7.59	10.0	-24.1	30.0
Naphthalene	Ave	1.322	1.022		7.73	10.0	-22.7	30.0
1,2,3-Trichlorobenzene	Ave	0.6266	0.4840		7.72	10.0	-22.8	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-24648-1

SDG No.:

Instrument ID: CHG.i Start Date: 09/29/2014 13:54

Analysis Batch Number: 77938 End Date: 09/30/2014 10:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-77938/1		09/29/2014 13:54	1	9732_001.D	RTX-624 0.32(mm)
VIBLK 200-77938/2		09/29/2014 14:39	1		RTX-624 0.32(mm)
VIBLK 200-77938/3		09/29/2014 15:30	1		RTX-624 0.32(mm)
VIBLK 200-77938/4		09/29/2014 16:21	1		RTX-624 0.32(mm)
IC 200-77938/5		09/29/2014 17:12	1	9732_005.D	RTX-624 0.32(mm)
IC 200-77938/6		09/29/2014 18:01	1	9732_006.D	RTX-624 0.32(mm)
IC 200-77938/7		09/29/2014 18:52	1	9732_007.D	RTX-624 0.32(mm)
ZZZZZ		09/29/2014 19:44	1		RTX-624 0.32(mm)
ICIS 200-77938/9		09/29/2014 20:34	1	9732_009.D	RTX-624 0.32(mm)
IC 200-77938/10		09/29/2014 21:25	1	9732_010.D	RTX-624 0.32(mm)
IC 200-77938/11		09/29/2014 22:17	1	9732_011.D	RTX-624 0.32(mm)
IC 200-77938/12		09/29/2014 23:08	1	9732_012.D	RTX-624 0.32(mm)
VIBLK 200-77938/13		09/30/2014 00:00	1		RTX-624 0.32(mm)
VIBLK 200-77938/14		09/30/2014 00:51	1		RTX-624 0.32(mm)
ICV 200-77938/15		09/30/2014 01:42	1		RTX-624 0.32(mm)
VIBLK 200-77938/16		09/30/2014 02:33	1		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 03:25	1		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 04:16	1		RTX-624 0.32(mm)
VIBLK 200-77938/19		09/30/2014 08:04	1		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 08:55	1		RTX-624 0.32(mm)
IC 200-77938/21		09/30/2014 09:46	1	9732_021.D	RTX-624 0.32(mm)
ICV 200-77938/22		09/30/2014 10:37	1	9732_022.D	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-24648-1

SDG No.:

Instrument ID: CHG.i Start Date: 10/10/2014 07:50

Analysis Batch Number: 78491 End Date: 10/10/2014 20:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-78491/1		10/10/2014 07:50	1	9933_001.D	RTX-624 0.32(mm)
CCVIS 200-78491/2		10/10/2014 08:46	1	9933_002.D	RTX-624 0.32(mm)
LCS 200-78491/3		10/10/2014 09:37	1	9933_003.D	RTX-624 0.32(mm)
ZZZZZ		10/10/2014 10:28	1		RTX-624 0.32(mm)
MB 200-78491/5		10/10/2014 11:20	1	9933_005.D	RTX-624 0.32(mm)
ZZZZZ		10/10/2014 12:11	1		RTX-624 0.32(mm)
ZZZZZ		10/10/2014 13:02	1		RTX-624 0.32(mm)
ZZZZZ		10/10/2014 13:54	2.5		RTX-624 0.32(mm)
200-24648-5	4789	10/10/2014 14:47	0.2	9933_009.D	RTX-624 0.32(mm)
ZZZZZ		10/10/2014 15:40	0.2		RTX-624 0.32(mm)
ZZZZZ		10/10/2014 16:31	1		RTX-624 0.32(mm)
ZZZZZ		10/10/2014 17:23	1		RTX-624 0.32(mm)
ZZZZZ		10/10/2014 18:14	10		RTX-624 0.32(mm)
ZZZZZ		10/10/2014 19:06	10		RTX-624 0.32(mm)
ZZZZZ		10/10/2014 19:57	1		RTX-624 0.32(mm)
ZZZZZ		10/10/2014 20:49	1		RTX-624 0.32(mm)

Shipping and Receiving Documents

AFCEC
CHAIN OF CUSTODY RECORD

COC#: 1 SDG#: 1 Cooler ID: A

Ship to: Kathryn Kelly Test America - Burlington 30 Community Drive, Suite 11 South Burlington, VT 05403 Tel: (802)923-1027	**Project Name:** Griffiss AFB 1015-11-01 B101 **Sampler Name:** Katrina Mattice	**Send Results to:** Daniel Baldyga FPM Remediations Inc 584 Phoenix Dr Rome, NY 13441 Phone: (315) 336-7721 Ext 207
Carrier: Fedex	**Sampler Signature:** Katrina Mattice	

Analyses Requested

Field Sample ID	Location ID (LOCID)	Date 2014	Time	MATRIX	SMCODE	SDD/SED	SACODE	Start Vacuum (in Hg)	End Vacuum (in Hg)	No. of Containers	VOCs Note 1 6 L canister	ANALYSIS NOTE	Comments
101VMP0101EA	101VMP-1	10.15	1400	GS	AC	0/0	N	-28	-4	1	1	1	can #5637 Reg#4624
101VMP0201EA	101VMP-2	10.15	1425	GS	AC	0/0	N	-29.5	-6	1	1	1	can #4569 Reg#4691
101VMP0301EA	101VMP-3	10.15	1420	GS	AC	0/0	N	-30	-3.5	1	1	1	can #5059, Reg# 4613
101VMP0101EC	101VMP-1	10.15	1400	GS	AC	0/0	FD	-30	-5	1	1	1	can # 5719 Reg#4583
101IA0305EA	101IA-03(BADrP)	10.15	1350	GS	AC	0/0	N	-30	-8	1	1	1	can #3010, Reg # 5834
101IA0405EA	101IA-04(BADP)	10.15	1410	GS	AC	0/0	N	-27	-5	1	1	1	can#4922, Reg#4768
101OA0305EA	101OA-03	10.15	1430	GS	AC	0/0	N	-30	-24	1	1	1	Can # 5642 Reg # 4512
101CA01EA	101 SVE Influent	10.17	1102	GS	AC	0/0	N	—	—	1	1	1	Can#4463 Reg#5585
1054TB	Trip Blank	10.15	1200	GS	AC	0/0	TB	—	—	1	1	1	Can#4817

Sample Condition Upon Receipt at Laboratory:

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: VOC: Method TO-15 Full List

ANALYSIS NOTE 1: Cat B package required.

280-61460 Chain of Custody

#1 Released by: (Sig)	Date:	#2 Released by: (Sig) Katrina Mattice	Date: 10/17/14	#.	
Company Name:	Time:	Company Name: FPM Remediations Inc	Time: 1900	Company Name:	Time:
#1 Received by: (Sig)	Date:	#2 Received by: (Sig) [signature]	Date: 10/20/14	#3 Received by: (Sig)	Date:
Company Name: FPM Remediations Inc	Time:	Company Name: TA BUR	Time: 1030	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil
GS = Gas Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate

Login Sample Receipt Checklist

Client: FPM Remediations Inc

Job Number: 280-61460-1

Login Number: 61460
List Number: 2
Creator: Goodrich, Kenneth L

List Source: TestAmerica Burlington
List Creation: 10/21/14 11:00 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	936964, 897179, 180
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	AMBIENT
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Appendix E
Validated Laboratory Data

FPM GROUP, LTD.
Data Verification and Usability Report
GRIFFISS AIR FORCE BASE
GRIFFISS LTM SAMPLING
Site Griffiss AFB Building 101 Sampling
Soil Vapor Sampling

Contract No. FA8903-10-D-8595
FPM Project No. 1015-11-01

TestAmerica Job # 280-61460-1

Laboratory:	TestAmerica, Inc.
Sample Matrix:	Soil Vapor
Number of Samples:	9
Analytical Protocol:	AFCEE QAPP, Version 4.2, with AFCEE-approved lab variances
Data Reviewer:	Connie van Hoesel
Sample Date:	October 15 and 17, 2014

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	Sample ID	Date
101VMP0101EA	10/15/14	101VMP0101EC	10/15/14
101VMP0201EA	10/15/14		
101VMP0301EA	10/15/14		
101IA0305EA	10/15/14		
101IA0405EA	10/15/14		
101OA0305EA	10/15/14	101514TB	10/15/14
101CA01EA	10/17/14		

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.
EA – Primary environmental samples
EC – Field duplicate sample
TB – Trip blank

DELIVERABLES

The data deliverable report was per requirements of the DOD QSM, version 4.2, as specified in the project-specific QAPP. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the sample analyses were per methods as specified in the DOD QSM, version 4.2, with project-specific modifications as listed in the project-specific QAPP. The analytical methods employed included the EPA Compendium Methods for toxic organics: Volatile Organic Compounds (VOC) by EPA method TO-15.

VERIFICATION GUIDANCE

The analytical work was performed by TestAmerica Laboratories, Inc. in accordance with the DOD QSM, version 4.2, and QC requirements of the respective analytical methods and of the project-specific QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the DOD QSM, and the criteria as listed in the project-specific QAPP.

QA/QC CRITERIA

The following QA/QC criteria were reviewed, as applicable and available:

- Method detection limits and limits of quantitation (DL, LOQ)
- Holding times
- GC/MS tune performance
- Initial and Continuing calibration summaries
- Method blanks
- Field duplicate results
- Matrix spike/matrix spike duplicate (MS/MSD) analysis
- Surrogate spike recoveries
- Internal standard areas counts and retention times
- Laboratory control samples (LCS)
- Results reported between DL and LOQ (J-flag)
- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with DOD QSM, version 4.2, and project-specific QAPP criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

BLANKS

Whenever blanks, including method, ambient, equipment, and trip, contained low levels of contaminants (between DL and LOQ), the laboratory qualified the subject results with a "J" flag. Since no qualification of associated field samples are required for blank concentrations less than half the LOQ, no further action was taken in such instances.

VOLATILE ORGANIC COMPOUNDS (VOCs)

- According to the case narrative, the following samples were analyzed at initial dilutions:

Sample	Dilution
101VMP0101EA	1:2.5
101VMP0101EC	1:3.03
101VMP0201EA	1:10
101VMP0301EA	1:28.3
101IA0305EA	1:2.5
101OA0305EA	1:1.34

  The dilution results only are reported and are used in data verification as representing original results.

- Field duplicate samples, which are collected at the same location and at the same time using identical collection, handling, and analytical procedures, are used to assess precision of the sample collection process. Using professional judgment, for sample results greater than the RL (equivalent to the LOQ), an RPD greater than 25% would at least warrant a "J" flag, especially for those results greater than 5 times (5x) the reporting limit. If either the parent or the duplicate sample is less than 5x the LOQ, then the difference between the parent and duplicate sample must be less than 2x the LOQ. "J" flags for detects and "UJ" flags for non-detects are required per the QAPP for any exceedances.
  The following table summarizes either the relative percent differences (RPD's) or the total differences of field duplicate sample set 101VMP0101EA/EC.

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (µg/m3)	Field Dup Result (µg/m3)	LOQ Normal, LOQ Field dup (µg/m3)	RPD	Flag Applied	Rationale
101VMP0101EA	101VMP0101EC	Dichlorodifluoromethane	28 U	2.2 J	70, 7.5	25.8	None	Total difference < 2xLOQ
101VMP0101EA	101VMP0101EC	Freon 22	20 U	1.5 J	50, 5.4	18.5	None	Total difference < 2xLOQ
101VMP0101EA	101VMP0101EC	Trichlorofluoromethane	13 U	2.4 J	32, 3.4	10.6	None	Total difference < 2xLOQ
101VMP0101EA	101VMP0101EC	Acetone	330 J	150	340, 36	180	None	Total difference < 2xLOQ
101VMP0101EA	101VMP0101EC	Isopropyl alcohol	21 J	49	350, 37	28	None	Total difference < 2Xloq
101VMP0101EA	101VMP0101EC	Carbon disulfide	7.1 J	1.6 J	44, 4.7	5.5	None	Total difference < 2xLOQ
101VMP0101EA	101VMP0101EC	tert-Butyl alcohol	17 U	5.2 J	430, 46	11.8	None	Total difference < 2xLOQ
101VMP0101EA	101VMP0101EC	Methyl tert-butyl ether	3.1 U	0.49 J	20, 2.2	2.61	None	Total difference < 2xLOQ
101VMP0101EA	101VMP0101EC	n-Hexane	3.0 U	1.4 J	20, 2.1	1.6	None	Total

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (µg/m3)	Field Dup Result (µg/m3)	LOQ Normal, LOQ Field dup (µg/m3)	RPD	Flag Applied	Rationale
								difference < 2xLOQ
101VMP0101EA	101VMP0101EC	Methyl Ethyl Ketone	540	22	42, 4.5	***518***	J	Total difference > 2xLOQ
101VMP0101EA	101VMP0101EC	Chloroform	11 U	25	28, 3.0	14	None	Total difference < 2xLOQ
101VMP0101EA	101VMP0101EC	Tetrahydrofuran	1900	28 J	420, 45	***1870***	J	Total difference > 2xLOQ
101VMP0101EA	101VMP0101EC	1,1,1-Trichloroethane	12 U	0.67 J	31, 3.3	11.3	None	Total difference < 2xLOQ
101VMP0101EA	101VMP0101EC	Cyclohexane	2.9 U	1.5 J	19, 2.1	1.4	None	Total difference < 2xLOQ
101VMP0101EA	101VMP0101EC	Carbon Tetrachloride	5.3 U	0.66 J	36, 3.8	4.64	None	Total difference < 2xLOQ
101VMP0101EA	101VMP0101EC	2,2,4-Trimethylpentane	4.0 U	0.57 J	26, 2.8	3.43	None	Total difference < 2xLOQ
101VMP0101EA	101VMP0101EC	Benzene	2.7 U	0.86 J	18, 1.9	1.84	None	Total difference < 2xLOQ
101VMP0101EA	101VMP0101EC	Trichloroethene	39	17	30, 3.3	22	None	Total difference < 2xLOQ
101VMP0101EA	101VMP0101EC	Methyl methacrylate	23 U	1.5 J	58, 6.2	21.5	None	Total difference < 2xLOQ
101VMP0101EA	101VMP0101EC	Methyl isobutyl ketone	500	2.5 U	58, 6.2	***498***	J	Total difference > 2xLOQ
101VMP0101EA	101VMP0101EC	Toluene	1500	35	21, 2.3	***191***	J	RPD>25%
101VMP0101EA	101VMP0101EC	Tetrachloroethene	27 J	0.62 U	38, 4.1	26.4	None	Total difference < 2xLOQ
101VMP0101EA	101VMP0101EC	Chlorobenzene	3.9 U	0.62 J	26, 2.8	3.28	None	Total difference < 2xLOQ
101VMP0101EA	101VMP0101EC	Ethylbenzene	31	4.4	25, 2.6	***26.6***	J	Total difference > 2xLOQ
101VMP0101EA	101VMP0101EC	m,p-Xylene	130	15	61, 6.6	115	None	Total difference < 2xLOQ
101VMP0101EA	101VMP0101EC	o-Xylene	48	4.4	25, 2.6	43.6	None	Total difference < 2xLOQ

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (µg/m3)	Field Dup Result (µg/m3)	LOQ Normal, LOQ Field dup (µg/m3)	RPD	Flag Applied	Rationale
101VMP0101EA	101VMP0101EC	Total Xylene	180	20	25, 2.6	***160***	J	RPD>25%
101VMP0101EA	101VMP0101EC	Styrene	19 J	2.0 J	24, 2.6	17	None	Total difference < 2xLOQ
101VMP0101EA	101VMP0101EC	Cumene	4.2 U	0.57 J	28, 3.0	3.63	None	Total difference < 2xLOQ
101VMP0101EA	101VMP0101EC	4-Ethyltoluene	4.2 U	1.4 J	28, 3.0	2.8	None	Total difference < 2xLOQ
101VMP0101EA	101VMP0101EC	1,3,5-Trimethylbenzene	4.2 U	1.3 J	28, 3.0	2.9	None	Total difference < 2xLOQ
101VMP0101EA	101VMP0101EC	1,2,4-Trimethylbenzene	5.0 J	4.2	28, 3.0	0.8	None	Total difference < 2xLOQ
101VMP0101EA	101VMP0101EC	1,3-Dichlorobenzene	5.1 U	6.7	34, 3.6	1.6	None	Total difference < 2xLOQ

Corrective Action: "J" flags were applied to methyl ethyl ketone, tetrahydrofuran, methyl isobutyl ketone, toluene, ethylbenzene, and total xylenes results for field duplicate sample set 101VMP0101EA/EC since the total differences or the RPDs exceeded the control limits as described above. The results are usable but should be considered estimated.

DATA USABILITY RESULTS

VOCs

Based on the evaluation of all information in the analytical data groups, the results for VOCs are usable with the data qualifiers as noted. It should be noted that non-reportable results did not affect overall data usability. Using the verification approach as presented above, the results for all above samples are 100% usable.

AFCEE SUMMARY

All data in Job # 280-61460-1 are usable, which can be used with qualifications as noted in the data review.

Signed: Concordia van Hoesel Date: 1/8/15

ATTACHMENTS

- Chain-of-Custody
- Laboratory's Case Narrative
- Qualified final data verification results on annotated Lab Sheet 2s

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-61460-1

Job Description: Griffiss AFB Soil Vapor 1015-11-01 B101

For:
FPM Remediations Inc
584 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

M. Elaine Walker

Approved for release.
Elaine M Walker
Project Manager II
11/8/2014 4:33 PM

Elaine M Walker, Project Manager II
4955 Yarrow Street, Arvada, CO, 80002
(303)736-0156
elaine.walker@testamericainc.com
11/08/2014

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is 4025.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB Soil Vapor 1015-11-01 B101
Report Number: 280-61460-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Nine samples were received at TestAmerica Burlington on 10/20/2014; the samples arrived in good condition and properly preserved.

VOLATILE ORGANIC COMPOUNDS - TO-15

Samples 101VMP0101EA (280-61460-1), 101VMP0201EA (280-61460-2), 101VMP0301EA (280-61460-3), 101VMP0101EC (280-61460-4), 101IA0305EA (280-61460-5), 101IA0405EA (280-61460-6), 101OA0305EA (280-61460-7), 101CA01EA (280-61460-8) and 101514TB (280-61460-9) were analyzed for volatile organic compounds in accordance with TO-15. The samples were analyzed on 10/31/2014 and 11/03/2014.

1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene and 1,4-Dichlorobenzene were detected in method blank MB 200-79678/4 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". However, because the result concentrations were less than ½ the respective reporting limit, no corrective action was necessary.

Methylene Chloride was detected in method blank MB 200-79779/4 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

Samples 101VMP0101EA (280-61460-1), 101VMP0201EA (280-61460-2), 101VMP0301EA (280-61460-3), 101VMP0101EC (280-61460-4), 101IA0305EA (280-61460-5) and 101OA0305EA (280-61460-7) required dilutions prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

AIR – GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-61430-1

SDG No.:

Instrument ID: CHC.i Analysis Batch Number: 795551

Lab Sample ID: IC 200-79551/3 Client Sample ID:

Date Analyzed: 10/29/14 17:07 Lab File ID: 10262_03.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethane	8.89	Baseline Event	daiglep	10/30/14 15:45
Trichloroethene	12.97	Baseline Event	daiglep	10/30/14 15:45
Tetrachloroethene	16.74	Baseline Event	daiglep	10/30/14 15:45

Lab Sample ID: IC 200-79551/4 Client Sample ID:

Date Analyzed: 10/29/14 17:54 Lab File ID: 10262_04.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	3.48	Baseline Event	daiglep	10/30/14 15:50
Chloroethane	4.76	Baseline Event	daiglep	10/30/14 15:50
n-Pentane	5.42	Baseline Event	daiglep	10/30/14 15:50
Freon TF	6.39	Baseline Event	daiglep	10/30/14 15:50
Carbon disulfide	6.80	Baseline Event	daiglep	10/30/14 15:50
3-Chloropropene	7.24	Baseline Event	daiglep	10/30/14 15:50
Acetonitrile	7.41	Baseline Event	daiglep	10/30/14 15:50
Methylene Chloride	7.54	Baseline Event	daiglep	10/30/14 15:50
tert-Butyl alcohol	7.85	Peak not found by the data system	daiglep	10/30/14 15:50
Acrylonitrile	8.17	Baseline Event	daiglep	10/30/14 15:50
n-Hexane	8.40	Peak not found by the data system	daiglep	10/30/14 15:50
1,1-Dichloroethane	8.89	Peak not found by the data system	daiglep	10/30/14 15:50
Vinyl acetate	8.99	Peak not found by the data system	daiglep	10/30/14 15:50
cis-1,2-Dichloroethene	10.03	Baseline Event	daiglep	10/30/14 15:50
Chloroform	10.65	Baseline Event	daiglep	10/30/14 15:50
Cyclohexane	10.88	Baseline Event	daiglep	10/30/14 15:50
1,1,1-Trichloroethane	10.91	Baseline Event	daiglep	10/30/14 15:50
n-Heptane	12.02	Baseline Event	lyonsb	10/30/14 16:08

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington **Job No.:** 280-61460-1

SDG No.:

Instrument ID: CHC.i **Analysis Batch Number:** 79551

Lab Sample ID: IC 200-79551/4 **Client Sample ID:**

Date Analyzed: 10/29/14 17:54 **Lab File ID:** 10262_04.D **GC Column:** RTX-624 **ID:** 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichloropropane	13.55	Baseline Event	lyonsb	10/30/14 16:08
Dibromomethane	13.81	Baseline Event	lyonsb	10/30/14 16:08
Toluene	15.65	Baseline Event	lyonsb	10/30/14 16:08
trans-1,3-Dichloropropene	16.27	Baseline Event	lyonsb	10/30/14 16:08
1,2-Dibromoethane	17.67	Baseline Event	lyonsb	10/30/14 16:08
Ethylbenzene	18.78	Baseline Event	lyonsb	10/30/14 16:08
Xylene, o-	19.88	Baseline Event	lyonsb	10/30/14 16:08
Alpha Methyl Styrene	21.92	Baseline Event	lyonsb	10/30/14 16:08

Lab Sample ID: IC 200-79551/5 **Client Sample ID:**

Date Analyzed: 10/29/14 18:41 **Lab File ID:** 10262_05.D **GC Column:** RTX-624 **ID:** 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	5.92	Baseline Event	lyonsb	10/30/14 16:03
3-Chloropropene	7.25	Baseline Event	lyonsb	10/30/14 16:03
Acrylonitrile	8.18	Baseline Event	lyonsb	10/30/14 16:03
cis-1,2-Dichloroethene	10.03	Baseline Event	lyonsb	10/30/14 16:03
Cyclohexane	10.88	Baseline Event	lyonsb	10/30/14 16:03
Benzene	11.64	Baseline Event	lyonsb	10/30/14 16:03
n-Heptane	12.02	Baseline Event	lyonsb	10/30/14 16:03
1,2-Dichloropropane	13.55	Baseline Event	lyonsb	10/30/14 16:03
cis-1,3-Dichloropropene	15.07	Baseline Event	lyonsb	10/30/14 16:03
1,1,2-Trichloroethane	15.65	Baseline Event	lyonsb	10/30/14 16:03

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-614460-1

SDG No.:

Instrument ID: CHC.i Analysis Batch Number: 79551

Lab Sample ID: IC 200-79551/10 Client Sample ID:

Date Analyzed: 10/29/14 22:37 Lab File ID: 10262_10.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	5.93	Baseline Event	nelsona	10/31/14 09:56
Ethyl ether	5.97	Baseline Event	nelsona	10/31/14 09:56

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington **Job No.:** 280-61460-1

SDG No.:

Instrument ID: CHC.i **Analysis Batch Number:** 79779

Lab Sample ID: MB 200-79779/4 **Client Sample ID:**

Date Analyzed: 11/03/14 12:16 **Lab File ID:** 10320_04.D **GC Column:** RTX-624 **ID:** 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	7.55	Baseline Event	lyonsb	11/04/14 09:11

Lab Sample ID: 280-61460-5 **Client Sample ID:** 101IA0305EA

Date Analyzed: 11/03/14 18:35 **Lab File ID:** 10320_12.D **GC Column:** RTX-624 **ID:** 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	10.86	Baseline Event	lyonsb	11/04/14 09:09
Ethylbenzene	18.78	Baseline Event	lyonsb	11/04/14 09:09

Lab Name: TestAmerica Burlington Job No.: 280-614460-1

SDG No.:

Instrument ID: CHW.i Analysis Batch Number: 795595

Lab Sample ID: IC 200-79595/4 Client Sample ID:

Date Analyzed: 10/30/14 13:30 Lab File ID: 10272_004.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrolein	8.40	Peak not found by the data system	lyonsb	10/31/14 06:53
2,2,4-Trimethylpentane	13.88	Peak not found by the data system	lyonsb	10/31/14 06:53
1,2-Dichloroethane	14.11	Peak not found by the data system	lyonsb	10/31/14 06:53
Trichloroethene	15.19	Baseline Event	lyonsb	10/31/14 06:53
Methyl methacrylate	15.78	Peak not found by the data system	lyonsb	10/31/14 06:53
1,1,2-Trichloroethane	18.53	Peak not found by the data system	lyonsb	10/31/14 06:53

Lab Sample ID: IC 200-79535/5 Client Sample ID:

Date Analyzed: 10/30/14 14:20 Lab File ID: 10272_005.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Butane	5.30	Baseline Event	lyonsb	10/31/14 06:55
Ethanol	7.80	Baseline Event	lyonsb	10/31/14 06:55
3-Chloropropene	9.39	Baseline Event	lyonsb	10/31/14 06:55
1,1,1-Trichloroethane	13.24	Baseline Event	lyonsb	10/31/14 06:55
Cyclohexane	13.24	Baseline Event	lyonsb	10/31/14 06:55
n-Heptane	14.25	Baseline Event	lyonsb	10/31/14 06:55
1,1,2-Trichloroethane	18.52	Baseline Event	lyonsb	10/31/14 06:55
Styrene	21.55	Baseline Event	lyonsb	10/31/14 06:55
Naphthalene	28.26	Baseline Event	lyonsb	10/31/14 06:55

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington **Job No.:** 280-61460-1

SDG No.:

Instrument ID: CHW.i **Analysis Batch Number:** 79595

Lab Sample ID: IC 200-79595/6 **Client Sample ID:**

Date Analyzed: 10/30/14 15:11 **Lab File ID:** 10272_006.d **GC Column:** RTX-624 **ID:** 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrolein	8.39	Baseline Event	lyonsb	10/31/14 06:56
3-Chloropropene	9.38	Baseline Event	lyonsb	10/31/14 06:56
Bromodichloromethane	16.19	Baseline Event	lyonsb	10/31/14 06:56

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-61460-1

SDG No.:

Instrument ID: CHW.i Analysis Batch Number: 79678

Lab Sample ID: MB 280-79678/4 Client Sample ID:

Date Analyzed: 10/31/14 11:23 Lab File ID: 10288_004.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dichlorobenzene	24.20	Baseline Event	lyonsb	11/03/14 08:43

Lab Sample ID: 280-61460-1 Client Sample ID: 101VUP0101EA

Date Analyzed: 10/31/14 15:35 Lab File ID: 10288_009.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	13.24	Baseline Event	lyonsb	11/03/14 08:56

Lab Sample ID: 280-61460-2 Client Sample ID: 101VMP0201EA

Date Analyzed: 10/31/14 16:23 Lab File ID: 10288_010.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Styrene	21.54	Unspecified		

Lab Sample ID: 280-61460-6 Client Sample ID: 101IA0405EA

Date Analyzed: 10/31/14 19:42 Lab File ID: 10288_014.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	9.72	Baseline Event	lyonsb	11/03/14 09:12
Cyclohexane	13.24	Baseline Event	lyonsb	11/03/14 09:12

Lab Sample ID: 280-61460-8 Client Sample ID: 101CA01EA

Date Analyzed: 10/31/14 21:31 Lab File ID: 10288_016.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	9.73	Baseline Event	lyonsb	11/03/14 09:38
Cyclohexane	13.24	Baseline Event	lyonsb	11/03/14 09:38

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-61460-1	101VMP0101EA	Air	10/15/2014 1400	10/20/2014 1030
280-61460-2	101VMP0201EA	Air	10/15/2014 1425	10/20/2014 1030
280-61460-3	101VMP0301EA	Air	10/15/2014 1420	10/20/2014 1030
280-61460-4	101VMP0101EC	Air	10/15/2014 1400	10/20/2014 1030
280-61460-5	101IA0305EA	Air	10/15/2014 1350	10/20/2014 1030
280-61460-6	101IA0405EA	Air	10/15/2014 1410	10/20/2014 1030
280-61460-7	101OA0305EA	Air	10/15/2014 1430	10/20/2014 1030
280-61460-8	101CA01EA	Air	10/17/2014 1102	10/20/2014 1030
280-61460-9TB	101514TB	Air	10/15/2014 1200	10/20/2014 1030

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-61460-1	101VMP0101EA					
Dichlorodifluoromethane		0.46	J D	1.3	ppb v/v	TO-15
Dichlorodifluoromethane		2.3	J D	6.2	ug/m3	TO-15
Freon 22		0.38	J D	1.3	ppb v/v	TO-15
Freon 22		1.4	J D	4.4	ug/m3	TO-15
Trichlorofluoromethane		0.42	J D	0.50	ppb v/v	TO-15
Trichlorofluoromethane		2.4	J D	2.8	ug/m3	TO-15
Freon TF		0.11	J D	0.50	ppb v/v	TO-15
Freon TF		0.82	J D	3.8	ug/m3	TO-15
Acetone		62	D	13	ppb v/v	TO-15
Acetone		150	D	30	ug/m3	TO-15
Isopropyl alcohol		19	D	13	ppb v/v	TO-15
Isopropyl alcohol		48	D	31	ug/m3	TO-15
Carbon disulfide		0.93	J D	1.3	ppb v/v	TO-15
Carbon disulfide		2.9	J D	3.9	ug/m3	TO-15
tert-Butyl alcohol		1.4	J D	13	ppb v/v	TO-15
tert-Butyl alcohol		4.3	J D	38	ug/m3	TO-15
Methyl tert-butyl ether		0.11	J D	0.50	ppb v/v	TO-15
Methyl tert-butyl ether		0.41	J D	1.8	ug/m3	TO-15
n-Hexane		0.49	J D	0.50	ppb v/v	TO-15
n-Hexane		1.7	J D	1.8	ug/m3	TO-15
Methyl Ethyl Ketone		6.9	D	1.3	ppb v/v	TO-15
Methyl Ethyl Ketone		20	D	3.7	ug/m3	TO-15
Chloroform		5.1	D	0.50	ppb v/v	TO-15
Chloroform		25	D	2.4	ug/m3	TO-15
Tetrahydrofuran		8.2	J D	13	ppb v/v	TO-15
Tetrahydrofuran		24	J D	37	ug/m3	TO-15
1,1,1-Trichloroethane		0.19	J D	0.50	ppb v/v	TO-15
1,1,1-Trichloroethane		1.0	J D	2.7	ug/m3	TO-15
Cyclohexane		0.39	J D M	0.50	ppb v/v	TO-15
Cyclohexane		1.4	J D M	1.7	ug/m3	TO-15
Carbon tetrachloride		0.12	J D	0.50	ppb v/v	TO-15
Carbon tetrachloride		0.74	J D	3.1	ug/m3	TO-15
2,2,4-Trimethylpentane		0.12	J D	0.50	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.56	J D	2.3	ug/m3	TO-15
Benzene		0.28	J D	0.50	ppb v/v	TO-15
Benzene		0.89	J D	1.6	ug/m3	TO-15
Trichloroethene		3.6	D	0.50	ppb v/v	TO-15
Trichloroethene		20	D	2.7	ug/m3	TO-15
Methyl methacrylate		0.36	J D	1.3	ppb v/v	TO-15
Methyl methacrylate		1.5	J D	5.1	ug/m3	TO-15
Toluene		12	D	0.50	ppb v/v	TO-15
Toluene		44	D	1.9	ug/m3	TO-15
Tetrachloroethene		0.13	J D	0.50	ppb v/v	TO-15
Tetrachloroethene		0.85	J D	3.4	ug/m3	TO-15
Chlorobenzene		0.20	J D	0.50	ppb v/v	TO-15
Chlorobenzene		0.94	J D	2.3	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Ethylbenzene		1.1	D	0.50	ppb v/v	TO-15
Ethylbenzene		4.7	D	2.2	ug/m3	TO-15
m,p-Xylene		4.0	D	1.3	ppb v/v	TO-15
m,p-Xylene		17	D	5.4	ug/m3	TO-15
Xylene, o-		1.1	D	0.50	ppb v/v	TO-15
Xylene, o-		4.9	D	2.2	ug/m3	TO-15
Xylene (total)		5.1		0.50	ppb v/v	TO-15
Xylene (total)		22		2.2	ug/m3	TO-15
Styrene		0.46	J D	0.50	ppb v/v	TO-15
Styrene		2.0	J D	2.1	ug/m3	TO-15
Cumene		0.12	J D	0.50	ppb v/v	TO-15
Cumene		0.61	J D	2.5	ug/m3	TO-15
n-Propylbenzene		0.20	J D	0.50	ppb v/v	TO-15
n-Propylbenzene		0.99	J D	2.5	ug/m3	TO-15
4-Ethyltoluene		0.33	J D	0.50	ppb v/v	TO-15
4-Ethyltoluene		1.6	J D	2.5	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.30	J D	0.50	ppb v/v	TO-15
1,3,5-Trimethylbenzene		1.5	J D	2.5	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.96	D	0.50	ppb v/v	TO-15
1,2,4-Trimethylbenzene		4.7	D	2.5	ug/m3	TO-15
4-Isopropyltoluene		0.34	J D	0.50	ppb v/v	TO-15
4-Isopropyltoluene		1.9	J D	2.7	ug/m3	TO-15
1,3-Dichlorobenzene		0.98	D	0.50	ppb v/v	TO-15
1,3-Dichlorobenzene		5.9	D	3.0	ug/m3	TO-15
1,4-Dichlorobenzene		0.076	J D	0.50	ppb v/v	TO-15
1,4-Dichlorobenzene		0.45	J D	3.0	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-61460-2	101VMP0201EA					
Freon 22		0.97	J D	5.0	ppb v/v	TO-15
Freon 22		3.4	J D	18	ug/m3	TO-15
Trichlorofluoromethane		1.1	J D	2.0	ppb v/v	TO-15
Trichlorofluoromethane		6.0	J D	11	ug/m3	TO-15
Acetone		21	J D	50	ppb v/v	TO-15
Acetone		51	J D	120	ug/m3	TO-15
Isopropyl alcohol		3.6	J D	50	ppb v/v	TO-15
Isopropyl alcohol		8.8	J D	120	ug/m3	TO-15
Carbon disulfide		4.6	J D	5.0	ppb v/v	TO-15
Carbon disulfide		14	J D	16	ug/m3	TO-15
Tetrahydrofuran		240	D	50	ppb v/v	TO-15
Tetrahydrofuran		700	D	150	ug/m3	TO-15
Benzene		2.6	D	2.0	ppb v/v	TO-15
Benzene		8.2	D	6.4	ug/m3	TO-15
Trichloroethene		24	D	2.0	ppb v/v	TO-15
Trichloroethene		130	D	11	ug/m3	TO-15
Toluene		140	D	2.0	ppb v/v	TO-15
Toluene		540	D	7.5	ug/m3	TO-15
Tetrachloroethene		1.5	J D	2.0	ppb v/v	TO-15
Tetrachloroethene		10	J D	14	ug/m3	TO-15
Ethylbenzene		210	D	2.0	ppb v/v	TO-15
Ethylbenzene		910	D	8.7	ug/m3	TO-15
m,p-Xylene		640	D	5.0	ppb v/v	TO-15
m,p-Xylene		2800	D	22	ug/m3	TO-15
Xylene, o-		250	D	2.0	ppb v/v	TO-15
Xylene, o-		1100	D	8.7	ug/m3	TO-15
Xylene (total)		890		2.0	ppb v/v	TO-15
Xylene (total)		3900		8.7	ug/m3	TO-15
Styrene		5.3	D M	2.0	ppb v/v	TO-15
Styrene		22	D M	8.5	ug/m3	TO-15
4-Ethyltoluene		5.3	D	2.0	ppb v/v	TO-15
4-Ethyltoluene		26	D	9.8	ug/m3	TO-15
1,3,5-Trimethylbenzene		8.0	D	2.0	ppb v/v	TO-15
1,3,5-Trimethylbenzene		39	D	9.8	ug/m3	TO-15
1,2,4-Trimethylbenzene		14	D	2.0	ppb v/v	TO-15
1,2,4-Trimethylbenzene		68	D	9.8	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-61460-3	101VMP0301EA					
Acetone		140	D	140	ppb v/v	TO-15
Acetone		330	D	340	ug/m3	TO-15
Isopropyl alcohol		8.6	J D	140	ppb v/v	TO-15
Isopropyl alcohol		21	J D	350	ug/m3	TO-15
Carbon disulfide		2.3	J D	14	ppb v/v	TO-15
Carbon disulfide		7.1	J D	44	ug/m3	TO-15
Methyl Ethyl Ketone		180	D	14	ppb v/v	TO-15
Methyl Ethyl Ketone		540	D	42	ug/m3	TO-15
Tetrahydrofuran		650	D	140	ppb v/v	TO-15
Tetrahydrofuran		1900	D	420	ug/m3	TO-15
Trichloroethene		7.2	D	5.7	ppb v/v	TO-15
Trichloroethene		39	D	30	ug/m3	TO-15
methyl isobutyl ketone		120	D	14	ppb v/v	TO-15
methyl isobutyl ketone		500	D	58	ug/m3	TO-15
Toluene		390	D	5.7	ppb v/v	TO-15
Toluene		1500	D	21	ug/m3	TO-15
Tetrachloroethene		4.0	J D	5.7	ppb v/v	TO-15
Tetrachloroethene		27	J D	38	ug/m3	TO-15
Ethylbenzene		7.2	D	5.7	ppb v/v	TO-15
Ethylbenzene		31	D	25	ug/m3	TO-15
m,p-Xylene		31	D	14	ppb v/v	TO-15
m,p-Xylene		130	D	61	ug/m3	TO-15
Xylene, o-		11	D	5.7	ppb v/v	TO-15
Xylene, o-		48	D	25	ug/m3	TO-15
Xylene (total)		42		5.7	ppb v/v	TO-15
Xylene (total)		180		25	ug/m3	TO-15
Styrene		4.4	J D	5.7	ppb v/v	TO-15
Styrene		19	J D	24	ug/m3	TO-15
1,2,4-Trimethylbenzene		1.0	J D	5.7	ppb v/v	TO-15
1,2,4-Trimethylbenzene		5.0	J D	28	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-61460-4	101VMP0101EC					
Dichlorodifluoromethane		0.45	J D	1.5	ppb v/v	TO-15
Dichlorodifluoromethane		2.2	J D	7.5	ug/m3	TO-15
Freon 22		0.42	J D	1.5	ppb v/v	TO-15
Freon 22		1.5	J D	5.4	ug/m3	TO-15
Trichlorofluoromethane		0.42	J D	0.61	ppb v/v	TO-15
Trichlorofluoromethane		2.4	J D	3.4	ug/m3	TO-15
Acetone		65	D	15	ppb v/v	TO-15
Acetone		150	D	36	ug/m3	TO-15
Isopropyl alcohol		20	D	15	ppb v/v	TO-15
Isopropyl alcohol		49	D	37	ug/m3	TO-15
Carbon disulfide		0.52	J D	1.5	ppb v/v	TO-15
Carbon disulfide		1.6	J D	4.7	ug/m3	TO-15
tert-Butyl alcohol		1.7	J D	15	ppb v/v	TO-15
tert-Butyl alcohol		5.2	J D	46	ug/m3	TO-15
Methyl tert-butyl ether		0.14	J D	0.61	ppb v/v	TO-15
Methyl tert-butyl ether		0.49	J D	2.2	ug/m3	TO-15
n-Hexane		0.39	J D	0.61	ppb v/v	TO-15
n-Hexane		1.4	J D	2.1	ug/m3	TO-15
Methyl Ethyl Ketone		7.3	D	1.5	ppb v/v	TO-15
Methyl Ethyl Ketone		22	D	4.5	ug/m3	TO-15
Chloroform		5.2	D	0.61	ppb v/v	TO-15
Chloroform		25	D	3.0	ug/m3	TO-15
Tetrahydrofuran		9.5	J D	15	ppb v/v	TO-15
Tetrahydrofuran		28	J D	45	ug/m3	TO-15
1,1,1-Trichloroethane		0.12	J D	0.61	ppb v/v	TO-15
1,1,1-Trichloroethane		0.67	J D	3.3	ug/m3	TO-15
Cyclohexane		0.43	J D	0.61	ppb v/v	TO-15
Cyclohexane		1.5	J D	2.1	ug/m3	TO-15
Carbon tetrachloride		0.10	J D	0.61	ppb v/v	TO-15
Carbon tetrachloride		0.66	J D	3.8	ug/m3	TO-15
2,2,4-Trimethylpentane		0.12	J D	0.61	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.57	J D	2.8	ug/m3	TO-15
Benzene		0.27	J D	0.61	ppb v/v	TO-15
Benzene		0.86	J D	1.9	ug/m3	TO-15
Trichloroethene		3.3	D	0.61	ppb v/v	TO-15
Trichloroethene		17	D	3.3	ug/m3	TO-15
Methyl methacrylate		0.37	J D	1.5	ppb v/v	TO-15
Methyl methacrylate		1.5	J D	6.2	ug/m3	TO-15
Toluene		9.2	D	0.61	ppb v/v	TO-15
Toluene		35	D	2.3	ug/m3	TO-15
Chlorobenzene		0.13	J D	0.61	ppb v/v	TO-15
Chlorobenzene		0.62	J D	2.8	ug/m3	TO-15
Ethylbenzene		1.0	D	0.61	ppb v/v	TO-15
Ethylbenzene		4.4	D	2.6	ug/m3	TO-15
m,p-Xylene		3.6	D	1.5	ppb v/v	TO-15
m,p-Xylene		15	D	6.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID / Client Sample ID / Analyte	Result	Qualifier	Reporting Limit	Units	Method
Xylene, o-	1.0	D	0.61	ppb v/v	TO-15
Xylene, o-	4.4	D	2.6	ug/m3	TO-15
Xylene (total)	4.6		0.61	ppb v/v	TO-15
Xylene (total)	20		2.6	ug/m3	TO-15
Styrene	0.48	J D	0.61	ppb v/v	TO-15
Styrene	2.0	J D	2.6	ug/m3	TO-15
Cumene	0.12	J D	0.61	ppb v/v	TO-15
Cumene	0.57	J D	3.0	ug/m3	TO-15
4-Ethyltoluene	0.28	J D	0.61	ppb v/v	TO-15
4-Ethyltoluene	1.4	J D	3.0	ug/m3	TO-15
1,3,5-Trimethylbenzene	0.27	J D	0.61	ppb v/v	TO-15
1,3,5-Trimethylbenzene	1.3	J D	3.0	ug/m3	TO-15
1,2,4-Trimethylbenzene	0.86	D	0.61	ppb v/v	TO-15
1,2,4-Trimethylbenzene	4.2	D	3.0	ug/m3	TO-15
1,3-Dichlorobenzene	1.1	D	0.61	ppb v/v	TO-15
1,3-Dichlorobenzene	6.7	D	3.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-61460-5	101IA0305EA					
Dichlorodifluoromethane		0.43	J D	1.3	ppb v/v	TO-15
Dichlorodifluoromethane		2.1	J D	6.2	ug/m3	TO-15
Freon 22		0.26	J D	1.3	ppb v/v	TO-15
Freon 22		0.92	J D	4.4	ug/m3	TO-15
Chloromethane		0.58	J D	1.3	ppb v/v	TO-15
Chloromethane		1.2	J D	2.6	ug/m3	TO-15
n-Butane		1.7	D	1.3	ppb v/v	TO-15
n-Butane		4.1	D	3.0	ug/m3	TO-15
Trichlorofluoromethane		0.23	J D	0.50	ppb v/v	TO-15
Trichlorofluoromethane		1.3	J D	2.8	ug/m3	TO-15
Acetone		44	D	13	ppb v/v	TO-15
Acetone		100	D	30	ug/m3	TO-15
Isopropyl alcohol		52	D	13	ppb v/v	TO-15
Isopropyl alcohol		130	D	31	ug/m3	TO-15
Carbon disulfide		4.3	D	1.3	ppb v/v	TO-15
Carbon disulfide		13	D	3.9	ug/m3	TO-15
Methylene Chloride		0.34	J D	1.3	ppb v/v	TO-15
Methylene Chloride		1.2	J D	4.3	ug/m3	TO-15
n-Hexane		0.51	D	0.50	ppb v/v	TO-15
n-Hexane		1.8	D	1.8	ug/m3	TO-15
Methyl Ethyl Ketone		1.3	D	1.3	ppb v/v	TO-15
Methyl Ethyl Ketone		3.8	D	3.7	ug/m3	TO-15
Tetrahydrofuran		1.0	J D	13	ppb v/v	TO-15
Tetrahydrofuran		3.0	J D	37	ug/m3	TO-15
Cyclohexane		0.24	J D M	0.50	ppb v/v	TO-15
Cyclohexane		0.84	J D M	1.7	ug/m3	TO-15
Carbon tetrachloride		0.057	J D	0.50	ppb v/v	TO-15
Carbon tetrachloride		0.36	J D	3.1	ug/m3	TO-15
2,2,4-Trimethylpentane		0.19	J D	0.50	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.87	J D	2.3	ug/m3	TO-15
Benzene		0.27	J D	0.50	ppb v/v	TO-15
Benzene		0.86	J D	1.6	ug/m3	TO-15
Toluene		17	D	0.50	ppb v/v	TO-15
Toluene		63	D	1.9	ug/m3	TO-15
Chlorobenzene		0.23	J D	0.50	ppb v/v	TO-15
Chlorobenzene		1.1	J D	2.3	ug/m3	TO-15
Ethylbenzene		0.64	D M	0.50	ppb v/v	TO-15
Ethylbenzene		2.8	D M	2.2	ug/m3	TO-15
m,p-Xylene		2.4	D	1.3	ppb v/v	TO-15
m,p-Xylene		10	D	5.4	ug/m3	TO-15
Xylene, o-		0.58	D	0.50	ppb v/v	TO-15
Xylene, o-		2.5	D	2.2	ug/m3	TO-15
Xylene (total)		3.0		0.50	ppb v/v	TO-15
Xylene (total)		13		2.2	ug/m3	TO-15
4-Ethyltoluene		0.10	J D	0.50	ppb v/v	TO-15
4-Ethyltoluene		0.52	J D	2.5	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID / Client Sample ID / Analyte	Result	Qualifier	Reporting Limit	Units	Method
1,3,5-Trimethylbenzene	0.10	J D	0.50	ppb v/v	TO-15
1,3,5-Trimethylbenzene	0.51	J D	2.5	ug/m3	TO-15
1,2,4-Trimethylbenzene	0.34	J D	0.50	ppb v/v	TO-15
1,2,4-Trimethylbenzene	1.7	J D	2.5	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-61460-6	101IA0405EA					
Dichlorodifluoromethane		0.47	J	0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.3	J	2.5	ug/m3	TO-15
Freon 22		0.27	J	0.50	ppb v/v	TO-15
Freon 22		0.96	J	1.8	ug/m3	TO-15
Chloromethane		0.53		0.50	ppb v/v	TO-15
Chloromethane		1.1		1.0	ug/m3	TO-15
n-Butane		0.64		0.50	ppb v/v	TO-15
n-Butane		1.5		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.33		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.8		1.1	ug/m3	TO-15
Freon TF		0.079	J	0.20	ppb v/v	TO-15
Freon TF		0.61	J	1.5	ug/m3	TO-15
Acetone		20		5.0	ppb v/v	TO-15
Acetone		48		12	ug/m3	TO-15
Isopropyl alcohol		15		5.0	ppb v/v	TO-15
Isopropyl alcohol		37		12	ug/m3	TO-15
Methylene Chloride		0.21	J M	0.50	ppb v/v	TO-15
Methylene Chloride		0.74	J M	1.7	ug/m3	TO-15
n-Hexane		0.21		0.20	ppb v/v	TO-15
n-Hexane		0.76		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.1		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		3.3		1.5	ug/m3	TO-15
Tetrahydrofuran		0.34	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		1.0	J	15	ug/m3	TO-15
Cyclohexane		0.12	J M	0.20	ppb v/v	TO-15
Cyclohexane		0.40	J M	0.69	ug/m3	TO-15
Carbon tetrachloride		0.077	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.49	J	1.3	ug/m3	TO-15
2,2,4-Trimethylpentane		0.081	J	0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.38	J	0.93	ug/m3	TO-15
Benzene		0.16	J	0.20	ppb v/v	TO-15
Benzene		0.50	J	0.64	ug/m3	TO-15
methyl isobutyl ketone		0.52		0.50	ppb v/v	TO-15
methyl isobutyl ketone		2.1		2.0	ug/m3	TO-15
Toluene		6.4		0.20	ppb v/v	TO-15
Toluene		24		0.75	ug/m3	TO-15
Ethylbenzene		0.40		0.20	ppb v/v	TO-15
Ethylbenzene		1.8		0.87	ug/m3	TO-15
m,p-Xylene		1.8		0.50	ppb v/v	TO-15
m,p-Xylene		7.9		2.2	ug/m3	TO-15
Xylene, o-		0.51		0.20	ppb v/v	TO-15
Xylene, o-		2.2		0.87	ug/m3	TO-15
Xylene (total)		2.3		0.20	ppb v/v	TO-15
Xylene (total)		10		0.87	ug/m3	TO-15
Styrene		0.077	J	0.20	ppb v/v	TO-15
Styrene		0.33	J	0.85	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Cumene		0.020	J	0.20	ppb v/v	TO-15
Cumene		0.099	J	0.98	ug/m3	TO-15
4-Ethyltoluene		0.042	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.21	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.047	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.23	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.14	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.69	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-61460-7	101OA0305EA					
Dichlorodifluoromethane		0.49	J D	0.67	ppb v/v	TO-15
Dichlorodifluoromethane		2.4	J D	3.3	ug/m3	TO-15
Freon 22		0.25	J D	0.67	ppb v/v	TO-15
Freon 22		0.89	J D	2.4	ug/m3	TO-15
Chloromethane		0.61	J D	0.67	ppb v/v	TO-15
Chloromethane		1.3	J D	1.4	ug/m3	TO-15
Trichlorofluoromethane		0.24	J D	0.27	ppb v/v	TO-15
Trichlorofluoromethane		1.4	J D	1.5	ug/m3	TO-15
Freon TF		0.083	J D	0.27	ppb v/v	TO-15
Freon TF		0.64	J D	2.1	ug/m3	TO-15
Acetone		7.9	D	6.7	ppb v/v	TO-15
Acetone		19	D	16	ug/m3	TO-15
Carbon disulfide		0.61	J D	0.67	ppb v/v	TO-15
Carbon disulfide		1.9	J D	2.1	ug/m3	TO-15
Methylene Chloride		0.18	J D	0.67	ppb v/v	TO-15
Methylene Chloride		0.63	J D	2.3	ug/m3	TO-15
n-Hexane		0.12	J D	0.27	ppb v/v	TO-15
n-Hexane		0.42	J D	0.94	ug/m3	TO-15
Methyl Ethyl Ketone		1.5	D	0.67	ppb v/v	TO-15
Methyl Ethyl Ketone		4.4	D	2.0	ug/m3	TO-15
Carbon tetrachloride		0.074	J D	0.27	ppb v/v	TO-15
Carbon tetrachloride		0.47	J D	1.7	ug/m3	TO-15
2,2,4-Trimethylpentane		0.18	J D	0.27	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.85	J D	1.3	ug/m3	TO-15
Benzene		0.096	J D	0.27	ppb v/v	TO-15
Benzene		0.31	J D	0.86	ug/m3	TO-15
1,4-Dioxane		1.0	J D	6.7	ppb v/v	TO-15
1,4-Dioxane		3.7	J D	24	ug/m3	TO-15
Toluene		1.7	D	0.27	ppb v/v	TO-15
Toluene		6.5	D	1.0	ug/m3	TO-15
Tetrachloroethene		0.049	J D	0.27	ppb v/v	TO-15
Tetrachloroethene		0.33	J D	1.8	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.27	J D	0.67	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		1.1	J D	2.7	ug/m3	TO-15
Ethylbenzene		0.11	J D	0.27	ppb v/v	TO-15
Ethylbenzene		0.48	J D	1.2	ug/m3	TO-15
m,p-Xylene		0.45	J D	0.67	ppb v/v	TO-15
m,p-Xylene		2.0	J D	2.9	ug/m3	TO-15
Xylene, o-		0.16	J D	0.27	ppb v/v	TO-15
Xylene, o-		0.70	J D	1.2	ug/m3	TO-15
Xylene (total)		0.61		0.27	ppb v/v	TO-15
Xylene (total)		2.6		1.2	ug/m3	TO-15
Styrene		0.025	J D	0.27	ppb v/v	TO-15
Styrene		0.11	J D	1.1	ug/m3	TO-15
Cumene		0.066	J D	0.27	ppb v/v	TO-15
Cumene		0.32	J D	1.3	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
n-Propylbenzene		0.19	J D	0.27	ppb v/v	TO-15
n-Propylbenzene		0.93	J D	1.3	ug/m3	TO-15
4-Ethyltoluene		0.10	J D	0.27	ppb v/v	TO-15
4-Ethyltoluene		0.50	J D	1.3	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.070	J D	0.27	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.34	J D	1.3	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.43	D	0.27	ppb v/v	TO-15
1,2,4-Trimethylbenzene		2.1	D	1.3	ug/m3	TO-15
Naphthalene		0.34	J D	0.67	ppb v/v	TO-15
Naphthalene		1.8	J D	3.5	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-61460-8	101CA01EA					
Dichlorodifluoromethane		0.54		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.7		2.5	ug/m3	TO-15
Freon 22		0.46	J	0.50	ppb v/v	TO-15
Freon 22		1.6	J	1.8	ug/m3	TO-15
n-Butane		0.29	J	0.50	ppb v/v	TO-15
n-Butane		0.68	J	1.2	ug/m3	TO-15
Trichlorofluoromethane		0.58		0.20	ppb v/v	TO-15
Trichlorofluoromethane		3.2		1.1	ug/m3	TO-15
Freon TF		0.17	J	0.20	ppb v/v	TO-15
Freon TF		1.3	J	1.5	ug/m3	TO-15
Acetone		7.4		5.0	ppb v/v	TO-15
Acetone		18		12	ug/m3	TO-15
Isopropyl alcohol		1.1	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		2.7	J	12	ug/m3	TO-15
Carbon disulfide		1.6		0.50	ppb v/v	TO-15
Carbon disulfide		5.1		1.6	ug/m3	TO-15
Methylene Chloride		0.18	J M	0.50	ppb v/v	TO-15
Methylene Chloride		0.63	J M	1.7	ug/m3	TO-15
tert-Butyl alcohol		0.87	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		2.6	J	15	ug/m3	TO-15
Methyl tert-butyl ether		0.035	J	0.20	ppb v/v	TO-15
Methyl tert-butyl ether		0.13	J	0.72	ug/m3	TO-15
n-Hexane		0.11	J	0.20	ppb v/v	TO-15
n-Hexane		0.38	J	0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.4		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		4.2		1.5	ug/m3	TO-15
Chloroform		23		0.20	ppb v/v	TO-15
Chloroform		110		0.98	ug/m3	TO-15
Tetrahydrofuran		1.1	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		3.2	J	15	ug/m3	TO-15
1,1,1-Trichloroethane		0.35		0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		1.9		1.1	ug/m3	TO-15
Cyclohexane		0.11	J M	0.20	ppb v/v	TO-15
Cyclohexane		0.38	J M	0.69	ug/m3	TO-15
Carbon tetrachloride		0.45		0.20	ppb v/v	TO-15
Carbon tetrachloride		2.9		1.3	ug/m3	TO-15
Benzene		0.098	J	0.20	ppb v/v	TO-15
Benzene		0.31	J	0.64	ug/m3	TO-15
n-Heptane		0.16	J	0.20	ppb v/v	TO-15
n-Heptane		0.64	J	0.82	ug/m3	TO-15
Trichloroethene		9.9		0.20	ppb v/v	TO-15
Trichloroethene		53		1.1	ug/m3	TO-15
Methyl methacrylate		0.11	J	0.50	ppb v/v	TO-15
Methyl methacrylate		0.44	J	2.0	ug/m3	TO-15
Bromodichloromethane		0.36		0.20	ppb v/v	TO-15
Bromodichloromethane		2.4		1.3	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-61460-1

Lab Sample ID / Client Sample ID Analyte	Result	Qualifier	Reporting Limit	Units	Method
Toluene	19		0.20	ppb v/v	TO-15
Toluene	73		0.75	ug/m3	TO-15
Tetrachloroethene	2.5		0.20	ppb v/v	TO-15
Tetrachloroethene	17		1.4	ug/m3	TO-15
Chlorobenzene	0.040	J	0.20	ppb v/v	TO-15
Chlorobenzene	0.18	J	0.92	ug/m3	TO-15
Ethylbenzene	0.18	J	0.20	ppb v/v	TO-15
Ethylbenzene	0.80	J	0.87	ug/m3	TO-15
m,p-Xylene	0.58		0.50	ppb v/v	TO-15
m,p-Xylene	2.5		2.2	ug/m3	TO-15
Xylene, o-	0.21		0.20	ppb v/v	TO-15
Xylene, o-	0.93		0.87	ug/m3	TO-15
Xylene (total)	0.79		0.20	ppb v/v	TO-15
Xylene (total)	3.4		0.87	ug/m3	TO-15
Styrene	0.12	J	0.20	ppb v/v	TO-15
Styrene	0.53	J	0.85	ug/m3	TO-15
Cumene	0.052	J	0.20	ppb v/v	TO-15
Cumene	0.25	J	0.98	ug/m3	TO-15
4-Ethyltoluene	0.083	J	0.20	ppb v/v	TO-15
4-Ethyltoluene	0.41	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene	0.083	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene	0.41	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene	0.28		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene	1.4		0.98	ug/m3	TO-15
4-Isopropyltoluene	0.17	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene	0.95	J	1.1	ug/m3	TO-15
1,3-Dichlorobenzene	0.46		0.20	ppb v/v	TO-15
1,3-Dichlorobenzene	2.8		1.2	ug/m3	TO-15
1,4-Dichlorobenzene	0.050	J	0.20	ppb v/v	TO-15
1,4-Dichlorobenzene	0.30	J	1.2	ug/m3	TO-15
Naphthalene	0.35	J	0.50	ppb v/v	TO-15
Naphthalene	1.8	J	2.6	ug/m3	TO-15

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-61460-1

Description	Lab Location	Method	Preparation Method
Matrix: Air			
Volatile Organic Compounds in Ambient Air	TAL BUR	EPA TO-15	
Collection via Summa Canister	TAL BUR		Summa Canister

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-61460-1

Method	Analyst	Analyst ID
EPA TO-15	Desjardins, William R	WRD
EPA TO-15	Lyons, Benjamin P	BPL

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101VMP0101EA

Lab Sample ID: 280-61460-1
Client Matrix: Air

Date Sampled: 10/15/2014 1400
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_009.d
Dilution:	2.5			Initial Weight/Volume:	80 mL
Analysis Date:	10/31/2014 1535			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1535			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.46	J	0.14	1.3
Freon 22	0.38	J	0.20	1.3
1,2-Dichlorotetrafluoroethane	0.20	U	0.13	0.50
Chloromethane	0.50	U	0.15	1.3
n-Butane	0.50	U	0.45	1.3
Vinyl chloride	0.075	U	0.065	0.50
1,3-Butadiene	0.20	U	0.090	0.50
Bromomethane	0.20	U	0.11	0.50
Chloroethane	0.20	U	0.15	1.3
Bromoethene(Vinyl Bromide)	0.075	U	0.050	0.50
Trichlorofluoromethane	0.42	J	0.11	0.50
Freon TF	0.11	J	0.10	0.50
1,1-Dichloroethene	0.075	U	0.025	0.50
Acetone	62		1.7	13
Isopropyl alcohol	19		0.38	13
Carbon disulfide	0.93	J	0.075	1.3
3-Chloropropene	0.50	U	0.40	1.3
Methylene Chloride	0.50	U	0.30	1.3
tert-Butyl alcohol	1.4	J	0.30	13
Methyl tert-butyl ether	0.11	J	0.055	0.50
trans-1,2-Dichloroethene	0.075	U	0.068	0.50
n-Hexane	0.49	J	0.070	0.50
1,1-Dichloroethane	0.075	U	0.070	0.50
Methyl Ethyl Ketone	6.9		0.23	1.3
cis-1,2-Dichloroethene	0.20	U	0.075	0.50
1,2-Dichloroethene, Total	0.20	U	0.13	0.50
Chloroform	5.1		0.095	0.50
Tetrahydrofuran	8.2	J	0.45	13
1,1,1-Trichloroethane	0.19	J	0.075	0.50
Cyclohexane	0.39	J	0.025	0.50
Carbon tetrachloride	0.12	J	0.028	0.50
2,2,4-Trimethylpentane	0.12	J	0.058	0.50
Benzene	0.28	J	0.073	0.50
1,2-Dichloroethane	0.20	U	0.13	0.50
n-Heptane	0.20	U	0.093	0.50
Trichloroethene	3.6		0.075	0.50
Methyl methacrylate	0.36	J	0.24	1.3
1,2-Dichloropropane	0.20	U	0.088	0.50
1,4-Dioxane	0.50	U	0.40	13
Bromodichloromethane	0.075	U	0.073	0.50
cis-1,3-Dichloropropene	0.075	U	0.073	0.50
methyl isobutyl ketone	0.50	U	0.45	1.3
Toluene	12		0.063	0.50
trans-1,3-Dichloropropene	0.075	U	0.065	0.50
1,1,2-Trichloroethane	0.20	U	0.093	0.50
Tetrachloroethene	0.13	J	0.075	0.50

CWB 11/8/15

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101VMP0101EA

Lab Sample ID: 280-61460-1
Client Matrix: Air

Date Sampled: 10/15/2014 1400
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_009.d
Dilution:	2.5			Initial Weight/Volume:	80 mL
Analysis Date:	10/31/2014 1535			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1535			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.43	1.3
Dibromochloromethane	0.075	U	0.050	0.50
1,2-Dibromoethane	0.075	U	0.045	0.50
Chlorobenzene	0.20	J Ø	0.045	0.50
Ethylbenzene	1.1	Ø	0.050	0.50
m,p-Xylene	4.0	Ø	0.063	1.3
Xylene, o-	1.1	Ø	0.045	0.50
Xylene (total)	5.1		0.10	0.50
Styrene	0.46	J Ø	0.040	0.50
Bromoform	0.075	U	0.063	0.50
Cumene	0.12	J Ø	0.048	0.50
1,1,2,2-Tetrachloroethane	0.20	U	0.085	0.50
n-Propylbenzene	0.20	J Ø	0.068	0.50
4-Ethyltoluene	0.33	J Ø	0.050	0.50
1,3,5-Trimethylbenzene	0.30	J Ø	0.048	0.50
2-Chlorotoluene	0.20	U	0.078	0.50
tert-Butylbenzene	0.075	U	0.050	0.50
1,2,4-Trimethylbenzene	0.96	Ø	0.040	0.50
sec-Butylbenzene	0.075	U	0.053	0.50
4-Isopropyltoluene	0.34	J Ø	0.050	0.50
1,3-Dichlorobenzene	0.98	Ø	0.050	0.50
1,4-Dichlorobenzene	0.076	J Ø	0.048	0.50
Benzyl chloride	0.075	U	0.045	0.50
n-Butylbenzene	0.075	U	0.070	0.50
1,2-Dichlorobenzene	0.075	U	0.045	0.50
1,2,4-Trichlorobenzene	0.20	U	0.085	1.3
Hexachlorobutadiene	0.20	U	0.090	0.50
Naphthalene	0.20	U	0.075	1.3

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.3	J Ø	0.69	6.2
Freon 22	1.4	J Ø	0.71	4.4
1,2-Dichlorotetrafluoroethane	1.4	U	0.91	3.5
Chloromethane	1.0	U	0.31	2.6
n-Butane	1.2	U	1.1	3.0
Vinyl chloride	0.19	U	0.17	1.3
1,3-Butadiene	0.44	U	0.20	1.1
Bromomethane	0.78	U	0.43	1.9
Chloroethane	0.53	U	0.40	3.3
Bromoethene(Vinyl Bromide)	0.33	U	0.22	2.2
Trichlorofluoromethane	2.4	J Ø	0.63	2.8
Freon TF	0.82	J Ø	0.79	3.8
1,1-Dichloroethene	0.30	U	0.099	2.0
Acetone	150	Ø	4.1	30
Isopropyl alcohol	48	Ø	0.92	31
Carbon disulfide	2.9	J Ø	0.23	3.9

CMA 11/8/15

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101VMP0101EA

Lab Sample ID: 280-61460-1
Client Matrix: Air

Date Sampled: 10/15/2014 1400
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_009.d
Dilution:	2.5			Initial Weight/Volume:	80 mL
Analysis Date:	10/31/2014 1535			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1535			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	1.6	U	1.3	3.9
Methylene Chloride	1.7	U	1.0	4.3
tert-Butyl alcohol	4.3	J	0.91	38
Methyl tert-butyl ether	0.41	J	0.20	1.8
trans-1,2-Dichloroethene	0.30	U	0.27	2.0
n-Hexane	1.7	J	0.25	1.8
1,1-Dichloroethane	0.30	U	0.28	2.0
Methyl Ethyl Ketone	20		0.68	3.7
cis-1,2-Dichloroethene	0.79	U	0.30	2.0
1,2-Dichloroethene, Total	0.79	U	0.53	2.0
Chloroform	25		0.46	2.4
Tetrahydrofuran	24	J	1.3	37
1,1,1-Trichloroethane	1.0	J	0.41	2.7
Cyclohexane	1.4	J D M	0.086	1.7
Carbon tetrachloride	0.74	J	0.17	3.1
2,2,4-Trimethylpentane	0.56	J	0.27	2.3
Benzene	0.89	J	0.23	1.6
1,2-Dichloroethane	0.81	U	0.53	2.0
n-Heptane	0.82	U	0.38	2.0
Trichloroethene	20		0.40	2.7
Methyl methacrylate	1.5	J D	0.98	5.1
1,2-Dichloropropane	0.92	U	0.40	2.3
1,4-Dioxane	1.8	U	1.4	45
Bromodichloromethane	0.50	U	0.49	3.4
cis-1,3-Dichloropropene	0.34	U	0.33	2.3
methyl isobutyl ketone	2.0	U	1.8	5.1
Toluene	44		0.24	1.9
trans-1,3-Dichloropropene	0.34	U	0.30	2.3
1,1,2-Trichloroethane	1.1	U	0.50	2.7
Tetrachloroethene	0.85	J	0.51	3.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	1.7	5.1
Dibromochloromethane	0.64	U	0.43	4.3
1,2-Dibromoethane	0.58	U	0.35	3.8
Chlorobenzene	0.94	J	0.21	2.3
Ethylbenzene	4.7		0.22	2.2
m,p-Xylene	17		0.27	5.4
Xylene, o-	4.9		0.20	2.2
Xylene (total)	22		0.45	2.2
Styrene	2.0	J	0.17	2.1
Bromoform	0.78	U	0.65	5.2
Cumene	0.61	J	0.23	2.5
1,1,2,2-Tetrachloroethane	1.4	U	0.58	3.4
n-Propylbenzene	0.99	J D	0.33	2.5
4-Ethyltoluene	1.6	J	0.25	2.5
1,3,5-Trimethylbenzene	1.5	J	0.23	2.5
2-Chlorotoluene	1.0	U	0.40	2.6

CLH 1/8/15

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101VMP0101EA

Lab Sample ID: 280-61460-1
Client Matrix: Air

Date Sampled: 10/15/2014 1400
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_009.d
Dilution:	2.5			Initial Weight/Volume:	80 mL
Analysis Date:	10/31/2014 1535			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1535			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.41	U	0.27	2.7
1,2,4-Trimethylbenzene	4.7	D	0.20	2.5
sec-Butylbenzene	0.41	U	0.29	2.7
4-Isopropyltoluene	1.9	J D	0.27	2.7
1,3-Dichlorobenzene	5.9	D	0.30	3.0
1,4-Dichlorobenzene	0.45	J D	0.29	3.0
Benzyl chloride	0.39	U	0.23	2.6
n-Butylbenzene	0.41	U	0.38	2.7
1,2-Dichlorobenzene	0.45	U	0.27	3.0
1,2,4-Trichlorobenzene	1.5	U	0.63	9.3
Hexachlorobutadiene	2.1	U	0.96	5.3
Naphthalene	1.0	U	0.39	6.6

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Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101VMP0201EA

Lab Sample ID: 280-61460-2
Client Matrix: Air

Date Sampled: 10/15/2014 1425
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_010.d
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	10/31/2014 1623			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1623			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.0	U	0.56	5.0
Freon 22	0.97	J D	0.80	5.0
1,2-Dichlorotetrafluoroethane	0.80	U	0.52	2.0
Chloromethane	2.0	U	0.60	5.0
n-Butane	2.0	U	1.8	5.0
Vinyl chloride	0.30	U	0.26	2.0
1,3-Butadiene	0.80	U	0.36	2.0
Bromomethane	0.80	U	0.44	2.0
Chloroethane	0.80	U	0.61	5.0
Bromoethene(Vinyl Bromide)	0.30	U	0.20	2.0
Trichlorofluoromethane	1.1	J D	0.45	2.0
Freon TF	0.80	U	0.41	2.0
1,1-Dichloroethene	0.30	U	0.10	2.0
Acetone	21	J D	6.9	50
Isopropyl alcohol	3.6	J D	1.5	50
Carbon disulfide	4.6	J D	0.30	5.0
3-Chloropropene	2.0	U	1.6	5.0
Methylene Chloride	2.0	U	1.2	5.0
tert-Butyl alcohol	2.0	U	1.2	50
Methyl tert-butyl ether	0.30	U	0.22	2.0
trans-1,2-Dichloroethene	0.30	U	0.27	2.0
n-Hexane	0.30	U	0.28	2.0
1,1-Dichloroethane	0.30	U	0.28	2.0
Methyl Ethyl Ketone	2.0	U	0.92	5.0
cis-1,2-Dichloroethene	0.80	U	0.30	2.0
1,2-Dichloroethene, Total	0.80	U	0.53	2.0
Chloroform	0.80	U	0.38	2.0
Tetrahydrofuran	240	D	1.8	50
1,1,1-Trichloroethane	0.80	U	0.30	2.0
Cyclohexane	0.30	U	0.10	2.0
Carbon tetrachloride	0.30	U	0.11	2.0
2,2,4-Trimethylpentane	0.30	U	0.23	2.0
Benzene	2.6	D	0.29	2.0
1,2-Dichloroethane	0.80	U	0.52	2.0
n-Heptane	0.80	U	0.37	2.0
Trichloroethene	24	D	0.30	2.0
Methyl methacrylate	2.0	U	0.96	5.0
1,2-Dichloropropane	0.80	U	0.35	2.0
1,4-Dioxane	2.0	U	1.6	50
Bromodichloromethane	0.30	U	0.29	2.0
cis-1,3-Dichloropropene	0.30	U	0.29	2.0
methyl isobutyl ketone	2.0	U	1.8	5.0
Toluene	140	D	0.25	2.0
trans-1,3-Dichloropropene	0.30	U	0.26	2.0
1,1,2-Trichloroethane	0.80	U	0.37	2.0
Tetrachloroethene	1.5	J D	0.30	2.0

AMK 1/8/15

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101VMP0201EA

Lab Sample ID: 280-61460-2
Client Matrix: Air

Date Sampled: 10/15/2014 1425
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_010.d
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	10/31/2014 1623			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1623			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	2.0	U	1.7	5.0
Dibromochloromethane	0.30	U	0.20	2.0
1,2-Dibromoethane	0.30	U	0.18	2.0
Chlorobenzene	0.30	U	0.18	2.0
Ethylbenzene	210	D	0.20	2.0
m,p-Xylene	640	D	0.25	5.0
Xylene, o-	250	D	0.18	2.0
Xylene (total)	890		0.41	2.0
Styrene	5.3	D M	0.16	2.0
Bromoform	0.30	U	0.25	2.0
Cumene	0.30	U	0.19	2.0
1,1,2,2-Tetrachloroethane	0.80	U	0.34	2.0
n-Propylbenzene	0.30	U	0.27	2.0
4-Ethyltoluene	5.3	D	0.20	2.0
1,3,5-Trimethylbenzene	8.0	D	0.19	2.0
2-Chlorotoluene	0.80	U	0.31	2.0
tert-Butylbenzene	0.30	U	0.20	2.0
1,2,4-Trimethylbenzene	14	D	0.16	2.0
sec-Butylbenzene	0.30	U	0.21	2.0
4-Isopropyltoluene	0.30	U	0.20	2.0
1,3-Dichlorobenzene	0.30	U	0.20	2.0
1,4-Dichlorobenzene	0.30	U	0.19	2.0
Benzyl chloride	0.30	U	0.18	2.0
n-Butylbenzene	0.30	U	0.28	2.0
1,2-Dichlorobenzene	0.30	U	0.18	2.0
1,2,4-Trichlorobenzene	0.80	U	0.34	5.0
Hexachlorobutadiene	0.80	U	0.36	2.0
Naphthalene	0.80	U	0.30	5.0

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Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	9.9	U	2.8	25
Freon 22	3.4	J D	2.8	18
1,2-Dichlorotetrafluoroethane	5.6	U	3.6	14
Chloromethane	4.1	U	1.2	10
n-Butane	4.8	U	4.3	12
Vinyl chloride	0.77	U	0.66	5.1
1,3-Butadiene	1.8	U	0.80	4.4
Bromomethane	3.1	U	1.7	7.8
Chloroethane	2.1	U	1.6	13
Bromoethene(Vinyl Bromide)	1.3	U	0.87	8.7
Trichlorofluoromethane	6.0	J D	2.5	11
Freon TF	6.1	U	3.1	15
1,1-Dichloroethene	1.2	U	0.40	7.9
Acetone	51	J D	16	120
Isopropyl alcohol	8.8	J D	3.7	120
Carbon disulfide	14	J D	0.93	16

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101VMP0201EA

Lab Sample ID: 280-61460-2
Client Matrix: Air

Date Sampled: 10/15/2014 1425
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_010.d
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	10/31/2014 1623			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1623			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	6.3	U	5.0	16
Methylene Chloride	6.9	U	4.2	17
tert-Butyl alcohol	6.1	U	3.6	150
Methyl tert-butyl ether	1.1	U	0.79	7.2
trans-1,2-Dichloroethene	1.2	U	1.1	7.9
n-Hexane	1.1	U	0.99	7.0
1,1-Dichloroethane	1.2	U	1.1	8.1
Methyl Ethyl Ketone	5.9	U	2.7	15
cis-1,2-Dichloroethene	3.2	U	1.2	7.9
1,2-Dichloroethene, Total	3.2	U	2.1	7.9
Chloroform	3.9	U	1.9	9.8
Tetrahydrofuran	700	D	5.3	150
1,1,1-Trichloroethane	4.4	U	1.6	11
Cyclohexane	1.0	U	0.34	6.9
Carbon tetrachloride	1.9	U	0.69	13
2,2,4-Trimethylpentane	1.4	U	1.1	9.3
Benzene	8.2	D	0.93	6.4
1,2-Dichloroethane	3.2	U	2.1	8.1
n-Heptane	3.3	U	1.5	8.2
Trichloroethene	130	D	1.6	11
Methyl methacrylate	8.2	U	3.9	20
1,2-Dichloropropane	3.7	U	1.6	9.2
1,4-Dioxane	7.2	U	5.8	180
Bromodichloromethane	2.0	U	1.9	13
cis-1,3-Dichloropropene	1.4	U	1.3	9.1
methyl isobutyl ketone	8.2	U	7.4	20
Toluene	540	D	0.94	7.5
trans-1,3-Dichloropropene	1.4	U	1.2	9.1
1,1,2-Trichloroethane	4.4	U	2.0	11
Tetrachloroethene	10	J D	2.0	14
Methyl Butyl Ketone (2-Hexanone)	8.2	U	7.0	20
Dibromochloromethane	2.6	U	1.7	17
1,2-Dibromoethane	2.3	U	1.4	15
Chlorobenzene	1.4	U	0.83	9.2
Ethylbenzene	910	D	0.87	8.7
m,p-Xylene	2800	D	1.1	22
Xylene, o-	1100	D	0.78	8.7
Xylene (total)	3900		1.8	8.7
Styrene	22	D M	0.68	8.5
Bromoform	3.1	U	2.6	21
Cumene	1.5	U	0.93	9.8
1,1,2,2-Tetrachloroethane	5.5	U	2.3	14
n-Propylbenzene	1.5	U	1.3	9.8
4-Ethyltoluene	26	D	0.98	9.8
1,3,5-Trimethylbenzene	39	D	0.93	9.8
2-Chlorotoluene	4.1	U	1.6	10

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Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101VMP0201EA

Lab Sample ID: 280-61460-2
Client Matrix: Air

Date Sampled: 10/15/2014 1425
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_010.d
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	10/31/2014 1623			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1623			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	1.6	U	1.1	11
1,2,4-Trimethylbenzene	68	D	0.79	9.8
sec-Butylbenzene	1.6	U	1.2	11
4-Isopropyltoluene	1.6	U	1.1	11
1,3-Dichlorobenzene	1.8	U	1.2	12
1,4-Dichlorobenzene	1.8	U	1.1	12
Benzyl chloride	1.6	U	0.93	10
n-Butylbenzene	1.6	U	1.5	11
1,2-Dichlorobenzene	1.8	U	1.1	12
1,2,4-Trichlorobenzene	5.9	U	2.5	37
Hexachlorobutadiene	8.5	U	3.8	21
Naphthalene	4.2	U	1.6	26

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Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101VMP0301EA

Lab Sample ID: 280-61460-3
Client Matrix: Air

Date Sampled: 10/15/2014 1420
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_011.d
Dilution:	28.3			Initial Weight/Volume:	30 mL
Analysis Date:	10/31/2014 1710			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1710			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	5.7	U	1.6	14
Freon 22	5.7	U	2.3	14
1,2-Dichlorotetrafluoroethane	2.3	U	1.5	5.7
Chloromethane	5.7	U	1.7	14
n-Butane	5.7	U	5.1	14
Vinyl chloride	0.85	U	0.74	5.7
1,3-Butadiene	2.3	U	1.0	5.7
Bromomethane	2.3	U	1.2	5.7
Chloroethane	2.3	U	1.7	14
Bromoethene(Vinyl Bromide)	0.85	U	0.57	5.7
Trichlorofluoromethane	2.3	U	1.3	5.7
Freon TF	2.3	U	1.2	5.7
1,1-Dichloroethene	0.85	U	0.28	5.7
Acetone	140	~~U~~	20	140
Isopropyl alcohol	8.6	J ~~U~~	4.2	140
Carbon disulfide	2.3	J ~~U~~	0.85	14
3-Chloropropene	5.7	U	4.5	14
Methylene Chloride	5.7	U	3.4	14
tert-Butyl alcohol	5.7	U	3.4	140
Methyl tert-butyl ether	0.85	U	0.62	5.7
trans-1,2-Dichloroethene	0.85	U	0.76	5.7
n-Hexane	0.85	U	0.79	5.7
1,1-Dichloroethane	0.85	U	0.79	5.7
Methyl Ethyl Ketone	180	~~U~~ J	2.6	14
cis-1,2-Dichloroethene	2.3	U	0.85	5.7
1,2-Dichloroethene, Total	2.3	U	1.5	5.7
Chloroform	2.3	U	1.1	5.7
Tetrahydrofuran	650	~~U~~ J	5.1	140
1,1,1-Trichloroethane	2.3	U	0.85	5.7
Cyclohexane	0.85	U	0.28	5.7
Carbon tetrachloride	0.85	U	0.31	5.7
2,2,4-Trimethylpentane	0.85	U	0.65	5.7
Benzene	0.85	U	0.82	5.7
1,2-Dichloroethane	2.3	U	1.5	5.7
n-Heptane	2.3	U	1.0	5.7
Trichloroethene	7.2	~~U~~	0.85	5.7
Methyl methacrylate	5.7	U	2.7	14
1,2-Dichloropropane	2.3	U	0.99	5.7
1,4-Dioxane	5.7	U	4.5	140
Bromodichloromethane	0.85	U	0.82	5.7
cis-1,3-Dichloropropene	0.85	U	0.82	5.7
methyl isobutyl ketone	120	~~U~~	5.1	14
Toluene	390	~~U~~ J	0.71	5.7
trans-1,3-Dichloropropene	0.85	U	0.74	5.7
1,1,2-Trichloroethane	2.3	U	1.0	5.7
Tetrachloroethene	4.0	J ~~U~~	0.85	5.7

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Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101VMP0301EA

Lab Sample ID: 280-61460-3
Client Matrix: Air

Date Sampled: 10/15/2014 1420
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_011.d
Dilution:	28.3			Initial Weight/Volume:	30 mL
Analysis Date:	10/31/2014 1710			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1710			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	5.7	U	4.8	14
Dibromochloromethane	0.85	U	0.57	5.7
1,2-Dibromoethane	0.85	U	0.51	5.7
Chlorobenzene	0.85	U	0.51	5.7
Ethylbenzene	7.2	~~J~~ J	0.57	5.7
m,p-Xylene	31	~~J~~	0.71	14
Xylene, o-	11	~~J~~	0.51	5.7
Xylene (total)	42	J	1.2	5.7
Styrene	4.4	J ~~J~~	0.45	5.7
Bromoform	0.85	U	0.71	5.7
Cumene	0.85	U	0.54	5.7
1,1,2,2-Tetrachloroethane	2.3	U	0.96	5.7
n-Propylbenzene	0.85	U	0.76	5.7
4-Ethyltoluene	0.85	U	0.57	5.7
1,3,5-Trimethylbenzene	0.85	U	0.54	5.7
2-Chlorotoluene	2.3	U	0.88	5.7
tert-Butylbenzene	0.85	U	0.57	5.7
1,2,4-Trimethylbenzene	1.0	J ~~J~~	0.45	5.7
sec-Butylbenzene	0.85	U	0.59	5.7
4-Isopropyltoluene	0.85	U	0.57	5.7
1,3-Dichlorobenzene	0.85	U	0.57	5.7
1,4-Dichlorobenzene	0.85	U	0.54	5.7
Benzyl chloride	0.85	U	0.51	5.7
n-Butylbenzene	0.85	U	0.79	5.7
1,2-Dichlorobenzene	0.85	U	0.51	5.7
1,2,4-Trichlorobenzene	2.3	U	0.96	14
Hexachlorobutadiene	2.3	U	1.0	5.7
Naphthalene	2.3	U	0.85	14

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	28	U	7.8	70
Freon 22	20	U	8.0	50
1,2-Dichlorotetrafluoroethane	16	U	10	40
Chloromethane	12	U	3.5	29
n-Butane	13	U	12	34
Vinyl chloride	2.2	U	1.9	14
1,3-Butadiene	5.0	U	2.3	13
Bromomethane	8.8	U	4.8	22
Chloroethane	6.0	U	4.6	37
Bromoethene(Vinyl Bromide)	3.7	U	2.5	25
Trichlorofluoromethane	13	U	7.2	32
Freon TF	17	U	8.9	43
1,1-Dichloroethene	3.4	U	1.1	22
Acetone	330	~~J~~ J	46	340
Isopropyl alcohol	21	J ~~J~~	10	350
Carbon disulfide	7.1	J ~~J~~	2.6	44

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Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101VMP0301EA

Lab Sample ID: 280-61460-3
Client Matrix: Air

Date Sampled: 10/15/2014 1420
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_011.d
Dilution:	28.3			Initial Weight/Volume:	30 mL
Analysis Date:	10/31/2014 1710			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1710			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	18	U	14	44
Methylene Chloride	20	U	12	49
tert-Butyl alcohol	17	U	10	430
Methyl tert-butyl ether	3.1	U	2.2	20
trans-1,2-Dichloroethene	3.4	U	3.0	22
n-Hexane	3.0	U	2.8	20
1,1-Dichloroethane	3.4	U	3.2	23
Methyl Ethyl Ketone	540	~~D~~ J	7.7	42
cis-1,2-Dichloroethene	9.0	U	3.4	22
1,2-Dichloroethene, Total	9.0	U	5.9	22
Chloroform	11	U	5.3	28
Tetrahydrofuran	1900	~~D~~ J	15	420
1,1,1-Trichloroethane	12	U	4.6	31
Cyclohexane	2.9	U	0.97	19
Carbon tetrachloride	5.3	U	2.0	36
2,2,4-Trimethylpentane	4.0	U	3.0	26
Benzene	2.7	U	2.6	18
1,2-Dichloroethane	9.2	U	6.0	23
n-Heptane	9.3	U	4.3	23
Trichloroethene	39	~~D~~	4.6	30
Methyl methacrylate	23	U	11	58
1,2-Dichloropropane	10	U	4.6	26
1,4-Dioxane	20	U	16	510
Bromodichloromethane	5.7	U	5.5	38
cis-1,3-Dichloropropene	3.9	U	3.7	26
methyl isobutyl ketone	500	~~D~~	21	58
Toluene	1500	~~D~~ J	2.7	21
trans-1,3-Dichloropropene	3.9	U	3.3	26
1,1,2-Trichloroethane	12	U	5.7	31
Tetrachloroethene	27	J ~~D~~	5.8	38
Methyl Butyl Ketone (2-Hexanone)	23	U	20	58
Dibromochloromethane	7.2	U	4.8	48
1,2-Dibromoethane	6.5	U	3.9	43
Chlorobenzene	3.9	U	2.3	26
Ethylbenzene	31	~~D~~ J	2.5	25
m,p-Xylene	130	~~D~~	3.1	61
Xylene, o-	48	~~D~~	2.2	25
Xylene (total)	180	J	5.0	25
Styrene	19	J ~~D~~	1.9	24
Bromoform	8.8	U	7.3	59
Cumene	4.2	U	2.6	28
1,1,2,2-Tetrachloroethane	16	U	6.6	39
n-Propylbenzene	4.2	U	3.8	28
4-Ethyltoluene	4.2	U	2.8	28
1,3,5-Trimethylbenzene	4.2	U	2.6	28
2-Chlorotoluene	12	U	4.5	29

BLB 1/8/15

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101VMP0301EA

Lab Sample ID: 280-61460-3
Client Matrix: Air

Date Sampled: 10/15/2014 1420
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_011.d
Dilution:	28.3			Initial Weight/Volume:	30 mL
Analysis Date:	10/31/2014 1710			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1710			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	4.7	U	3.1	31
1,2,4-Trimethylbenzene	5.0	J D	2.2	28
sec-Butylbenzene	4.7	U	3.3	31
4-Isopropyltoluene	4.7	U	3.1	31
1,3-Dichlorobenzene	5.1	U	3.4	34
1,4-Dichlorobenzene	5.1	U	3.2	34
Benzyl chloride	4.4	U	2.6	29
n-Butylbenzene	4.7	U	4.3	31
1,2-Dichlorobenzene	5.1	U	3.1	34
1,2,4-Trichlorobenzene	17	U	7.1	110
Hexachlorobutadiene	24	U	11	60
Naphthalene	12	U	4.5	74

MD 11/8/15

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101VMP0101EC

Lab Sample ID: 280-61460-4
Client Matrix: Air

Date Sampled: 10/15/2014 1400
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_012.d
Dilution:	3.03			Initial Weight/Volume:	66 mL
Analysis Date:	10/31/2014 1758			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1758			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.45	J Ø	0.17	1.5
Freon 22	0.42	J Ø	0.24	1.5
1,2-Dichlorotetrafluoroethane	0.24	U	0.16	0.61
Chloromethane	0.61	U	0.18	1.5
n-Butane	0.61	U	0.55	1.5
Vinyl chloride	0.091	U	0.079	0.61
1,3-Butadiene	0.24	U	0.11	0.61
Bromomethane	0.24	U	0.13	0.61
Chloroethane	0.24	U	0.18	1.5
Bromoethene(Vinyl Bromide)	0.091	U	0.061	0.61
Trichlorofluoromethane	0.42	J Ø	0.14	0.61
Freon TF	0.24	U	0.12	0.61
1,1-Dichloroethene	0.091	U	0.030	0.61
Acetone	65	Ø	2.1	15
Isopropyl alcohol	20	Ø	0.45	15
Carbon disulfide	0.52	J Ø	0.091	1.5
3-Chloropropene	0.61	U	0.48	1.5
Methylene Chloride	0.61	U	0.36	1.5
tert-Butyl alcohol	1.7	J Ø	0.36	15
Methyl tert-butyl ether	0.14	J Ø	0.067	0.61
trans-1,2-Dichloroethene	0.091	U	0.082	0.61
n-Hexane	0.39	J Ø	0.085	0.61
1,1-Dichloroethane	0.091	U	0.085	0.61
Methyl Ethyl Ketone	7.3	Ø J	0.28	1.5
cis-1,2-Dichloroethene	0.24	U	0.091	0.61
1,2-Dichloroethene, Total	0.24	U	0.16	0.61
Chloroform	5.2	Ø	0.12	0.61
Tetrahydrofuran	9.5	J Ø	0.55	15
1,1,1-Trichloroethane	0.12	J Ø	0.091	0.61
Cyclohexane	0.43	J Ø	0.030	0.61
Carbon tetrachloride	0.10	J Ø	0.033	0.61
2,2,4-Trimethylpentane	0.12	J Ø	0.070	0.61
Benzene	0.27	J Ø	0.088	0.61
1,2-Dichloroethane	0.24	U	0.16	0.61
n-Heptane	0.24	U	0.11	0.61
Trichloroethene	3.3	Ø	0.091	0.61
Methyl methacrylate	0.37	J Ø	0.29	1.5
1,2-Dichloropropane	0.24	U	0.11	0.61
1,4-Dioxane	0.61	U	0.48	15
Bromodichloromethane	0.091	U	0.088	0.61
cis-1,3-Dichloropropene	0.091	U	0.088	0.61
methyl isobutyl ketone	0.61	U	0.55	1.5
Toluene	9.2	Ø J	0.076	0.61
trans-1,3-Dichloropropene	0.091	U	0.079	0.61
1,1,2-Trichloroethane	0.24	U	0.11	0.61
Tetrachloroethene	0.091	U	0.091	0.61

CWA 1/8/15

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101VMP0101EC

Lab Sample ID: 280-61460-4
Client Matrix: Air

Date Sampled: 10/15/2014 1400
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_012.d
Dilution:	3.03			Initial Weight/Volume:	66 mL
Analysis Date:	10/31/2014 1758			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1758			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.61	U	0.52	1.5
Dibromochloromethane	0.091	U	0.061	0.61
1,2-Dibromoethane	0.091	U	0.055	0.61
Chlorobenzene	0.13	J	0.055	0.61
Ethylbenzene	1.0		0.061	0.61
m,p-Xylene	3.6		0.076	1.5
Xylene, o-	1.0		0.055	0.61
Xylene (total)	4.6	J	0.12	0.61
Styrene	0.48	J	0.048	0.61
Bromoform	0.091	U	0.076	0.61
Cumene	0.12	J	0.058	0.61
1,1,2,2-Tetrachloroethane	0.24	U	0.10	0.61
n-Propylbenzene	0.091	U	0.082	0.61
4-Ethyltoluene	0.28	J	0.061	0.61
1,3,5-Trimethylbenzene	0.27	J	0.058	0.61
2-Chlorotoluene	0.24	U	0.094	0.61
tert-Butylbenzene	0.091	U	0.061	0.61
1,2,4-Trimethylbenzene	0.86		0.048	0.61
sec-Butylbenzene	0.091	U	0.064	0.61
4-Isopropyltoluene	0.091	U	0.061	0.61
1,3-Dichlorobenzene	1.1		0.061	0.61
1,4-Dichlorobenzene	0.091	U	0.058	0.61
Benzyl chloride	0.091	U	0.055	0.61
n-Butylbenzene	0.091	U	0.085	0.61
1,2-Dichlorobenzene	0.091	U	0.055	0.61
1,2,4-Trichlorobenzene	0.24	U	0.10	1.5
Hexachlorobutadiene	0.24	U	0.11	0.61
Naphthalene	0.24	U	0.091	1.5

CHL 1/8/15

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.2	J	0.84	7.5
Freon 22	1.5	J	0.86	5.4
1,2-Dichlorotetrafluoroethane	1.7	U	1.1	4.2
Chloromethane	1.3	U	0.38	3.1
n-Butane	1.4	U	1.3	3.6
Vinyl chloride	0.23	U	0.20	1.5
1,3-Butadiene	0.54	U	0.24	1.3
Bromomethane	0.94	U	0.52	2.4
Chloroethane	0.64	U	0.49	4.0
Bromoethene(Vinyl Bromide)	0.40	U	0.27	2.7
Trichlorofluoromethane	2.4	J	0.77	3.4
Freon TF	1.9	U	0.95	4.6
1,1-Dichloroethene	0.36	U	0.12	2.4
Acetone	150		5.0	36
Isopropyl alcohol	49		1.1	37
Carbon disulfide	1.6	J	0.28	4.7

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101VMP0101EC

Lab Sample ID: 280-61460-4
Client Matrix: Air

Date Sampled: 10/15/2014 1400
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_012.d
Dilution:	3.03			Initial Weight/Volume:	66 mL
Analysis Date:	10/31/2014 1758			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1758			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	1.9	U	1.5	4.7
Methylene Chloride	2.1	U	1.3	5.3
tert-Butyl alcohol	5.2	J Ø	1.1	46
Methyl tert-butyl ether	0.49	J Ø	0.24	2.2
trans-1,2-Dichloroethene	0.36	U	0.32	2.4
n-Hexane	1.4	J Ø	0.30	2.1
1,1-Dichloroethane	0.37	U	0.34	2.5
Methyl Ethyl Ketone	22	Ø J	0.82	4.5
cis-1,2-Dichloroethene	0.96	U	0.36	2.4
1,2-Dichloroethene, Total	0.96	U	0.64	2.4
Chloroform	25	Ø	0.56	3.0
Tetrahydrofuran	28	J Ø	1.6	45
1,1,1-Trichloroethane	0.67	J Ø	0.50	3.3
Cyclohexane	1.5	J Ø	0.10	2.1
Carbon tetrachloride	0.66	J Ø	0.21	3.8
2,2,4-Trimethylpentane	0.57	J Ø	0.33	2.8
Benzene	0.86	J Ø	0.28	1.9
1,2-Dichloroethane	0.98	U	0.64	2.5
n-Heptane	0.99	U	0.46	2.5
Trichloroethene	17	Ø	0.49	3.3
Methyl methacrylate	1.5	J Ø	1.2	6.2
1,2-Dichloropropane	1.1	U	0.49	2.8
1,4-Dioxane	2.2	U	1.7	55
Bromodichloromethane	0.61	U	0.59	4.1
cis-1,3-Dichloropropene	0.41	U	0.40	2.8
methyl isobutyl ketone	2.5	U	2.2	6.2
Toluene	35	Ø J	0.29	2.3
trans-1,3-Dichloropropene	0.41	U	0.36	2.8
1,1,2-Trichloroethane	1.3	U	0.61	3.3
Tetrachloroethene	0.62	U	0.62	4.1
Methyl Butyl Ketone (2-Hexanone)	2.5	U	2.1	6.2
Dibromochloromethane	0.77	U	0.52	5.2
1,2-Dibromoethane	0.70	U	0.42	4.7
Chlorobenzene	0.62	J Ø	0.25	2.8
Ethylbenzene	4.4	Ø J	0.26	2.6
m,p-Xylene	15	Ø	0.33	6.6
Xylene, o-	4.4	Ø	0.24	2.6
Xylene (total)	20	J	0.54	2.6
Styrene	2.0	J Ø	0.21	2.6
Bromoform	0.94	U	0.78	6.3
Cumene	0.57	J Ø	0.28	3.0
1,1,2,2-Tetrachloroethane	1.7	U	0.71	4.2
n-Propylbenzene	0.45	U	0.40	3.0
4-Ethyltoluene	1.4	J Ø	0.30	3.0
1,3,5-Trimethylbenzene	1.3	J Ø	0.28	3.0
2-Chlorotoluene	1.3	U	0.49	3.1

CHH 11/8/15

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101VMP0101EC

Lab Sample ID: 280-61460-4
Client Matrix: Air

Date Sampled: 10/15/2014 1400
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_012.d
Dilution:	3.03			Initial Weight/Volume:	66 mL
Analysis Date:	10/31/2014 1758			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1758			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.50	U	0.33	3.3
1,2,4-Trimethylbenzene	4.2	D	0.24	3.0
sec-Butylbenzene	0.50	U	0.35	3.3
4-Isopropyltoluene	0.50	U	0.33	3.3
1,3-Dichlorobenzene	6.7	D	0.36	3.6
1,4-Dichlorobenzene	0.55	U	0.35	3.6
Benzyl chloride	0.47	U	0.28	3.1
n-Butylbenzene	0.50	U	0.47	3.3
1,2-Dichlorobenzene	0.55	U	0.33	3.6
1,2,4-Trichlorobenzene	1.8	U	0.76	11
Hexachlorobutadiene	2.6	U	1.2	6.5
Naphthalene	1.3	U	0.48	7.9

11/8/15

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101IA0305EA

Lab Sample ID: 280-61460-5
Client Matrix: Air

Date Sampled: 10/15/2014 1350
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79779	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10320_12.D
Dilution:	2.5			Initial Weight/Volume:	
Analysis Date:	11/03/2014 1835			Final Weight/Volume:	
Prep Date:	11/03/2014 1835			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.43	J Ø	0.14	1.3
Freon 22	0.26	J Ø	0.20	1.3
1,2-Dichlorotetrafluoroethane	0.20	U	0.13	0.50
Chloromethane	0.58	J Ø	0.15	1.3
n-Butane	1.7	Ø	0.45	1.3
Vinyl chloride	0.075	U	0.065	0.50
1,3-Butadiene	0.20	U	0.090	0.50
Bromomethane	0.20	U	0.11	0.50
Chloroethane	0.20	U	0.15	1.3
Bromoethene(Vinyl Bromide)	0.075	U	0.050	0.50
Trichlorofluoromethane	0.23	J Ø	0.11	0.50
Freon TF	0.20	U	0.10	0.50
1,1-Dichloroethene	0.075	U	0.025	0.50
Acetone	44	Ø	1.7	13
Isopropyl alcohol	52	Ø	0.38	13
Carbon disulfide	4.3	Ø	0.075	1.3
3-Chloropropene	0.50	U	0.40	1.3
Methylene Chloride	0.34	J Ø	0.30	1.3
tert-Butyl alcohol	0.50	U	0.30	13
Methyl tert-butyl ether	0.075	U	0.055	0.50
trans-1,2-Dichloroethene	0.075	U	0.068	0.50
n-Hexane	0.51	Ø	0.070	0.50
1,1-Dichloroethane	0.075	U	0.070	0.50
Methyl Ethyl Ketone	1.3	Ø	0.23	1.3
cis-1,2-Dichloroethene	0.20	U	0.075	0.50
1,2-Dichloroethene, Total	0.20	U	0.13	0.50
Chloroform	0.20	U	0.095	0.50
Tetrahydrofuran	1.0	J Ø	0.45	13
1,1,1-Trichloroethane	0.20	U	0.075	0.50
Cyclohexane	0.24	J Ø M	0.025	0.50
Carbon tetrachloride	0.057	J Ø	0.028	0.50
2,2,4-Trimethylpentane	0.19	J Ø	0.058	0.50
Benzene	0.27	J Ø	0.073	0.50
1,2-Dichloroethane	0.20	U	0.13	0.50
n-Heptane	0.20	U	0.093	0.50
Trichloroethene	0.075	U	0.075	0.50
Methyl methacrylate	0.50	U	0.24	1.3
1,2-Dichloropropane	0.20	U	0.088	0.50
1,4-Dioxane	0.50	U	0.40	13
Bromodichloromethane	0.075	U	0.073	0.50
cis-1,3-Dichloropropene	0.075	U	0.073	0.50
methyl isobutyl ketone	0.50	U	0.45	1.3
Toluene	17	Ø	0.063	0.50
trans-1,3-Dichloropropene	0.075	U	0.065	0.50
1,1,2-Trichloroethane	0.20	U	0.093	0.50
Tetrachloroethene	0.075	U	0.075	0.50

CMS 1/8/15

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101IA0305EA

Lab Sample ID: 280-61460-5
Client Matrix: Air

Date Sampled: 10/15/2014 1350
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79779	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10320_12.D
Dilution:	2.5			Initial Weight/Volume:	
Analysis Date:	11/03/2014 1835			Final Weight/Volume:	
Prep Date:	11/03/2014 1835			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.43	1.3
Dibromochloromethane	0.075	U	0.050	0.50
1,2-Dibromoethane	0.075	U	0.045	0.50
Chlorobenzene	0.23	J D	0.045	0.50
Ethylbenzene	0.64	D	0.050	0.50
m,p-Xylene	2.4	D	0.063	1.3
Xylene, o-	0.58	D	0.045	0.50
Xylene (total)	3.0		0.10	0.50
Styrene	0.075	U	0.040	0.50
Bromoform	0.075	U	0.063	0.50
Cumene	0.075	U	0.048	0.50
1,1,2,2-Tetrachloroethane	0.20	U	0.085	0.50
n-Propylbenzene	0.075	U	0.068	0.50
4-Ethyltoluene	0.10	J D	0.050	0.50
1,3,5-Trimethylbenzene	0.10	J D	0.048	0.50
2-Chlorotoluene	0.20	U	0.078	0.50
tert-Butylbenzene	0.075	U	0.050	0.50
1,2,4-Trimethylbenzene	0.34	J D	0.040	0.50
sec-Butylbenzene	0.075	U	0.053	0.50
4-Isopropyltoluene	0.075	U	0.050	0.50
1,3-Dichlorobenzene	0.075	U	0.050	0.50
1,4-Dichlorobenzene	0.075	U	0.048	0.50
Benzyl chloride	0.075	U	0.045	0.50
n-Butylbenzene	0.075	U	0.070	0.50
1,2-Dichlorobenzene	0.075	U	0.045	0.50
1,2,4-Trichlorobenzene	0.20	U	0.085	1.3
Hexachlorobutadiene	0.20	U	0.090	0.50
Naphthalene	0.20	U	0.075	1.3

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.1	J D	0.69	6.2
Freon 22	0.92	J D	0.71	4.4
1,2-Dichlorotetrafluoroethane	1.4	U	0.91	3.5
Chloromethane	1.2	J D	0.31	2.6
n-Butane	4.1	D	1.1	3.0
Vinyl chloride	0.19	U	0.17	1.3
1,3-Butadiene	0.44	U	0.20	1.1
Bromomethane	0.78	U	0.43	1.9
Chloroethane	0.53	U	0.40	3.3
Bromoethene(Vinyl Bromide)	0.33	U	0.22	2.2
Trichlorofluoromethane	1.3	J D	0.63	2.8
Freon TF	1.5	U	0.79	3.8
1,1-Dichloroethene	0.30	U	0.099	2.0
Acetone	100	D	4.1	30
Isopropyl alcohol	130	D	0.92	31
Carbon disulfide	13	D	0.23	3.9

OK 1/8/15

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101IA0305EA

Lab Sample ID: 280-61460-5
Client Matrix: Air

Date Sampled: 10/15/2014 1350
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79779	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10320_12.D
Dilution:	2.5			Initial Weight/Volume:	
Analysis Date:	11/03/2014 1835			Final Weight/Volume:	
Prep Date:	11/03/2014 1835			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	1.6	U	1.3	3.9
Methylene Chloride	1.2	J D	1.0	4.3
tert-Butyl alcohol	1.5	U	0.91	38
Methyl tert-butyl ether	0.27	U	0.20	1.8
trans-1,2-Dichloroethene	0.30	U	0.27	2.0
n-Hexane	1.8	D	0.25	1.8
1,1-Dichloroethane	0.30	U	0.28	2.0
Methyl Ethyl Ketone	3.8	D	0.68	3.7
cis-1,2-Dichloroethene	0.79	U	0.30	2.0
1,2-Dichloroethene, Total	0.79	U	0.53	2.0
Chloroform	0.98	U	0.46	2.4
Tetrahydrofuran	3.0	J D	1.3	37
1,1,1-Trichloroethane	1.1	U	0.41	2.7
Cyclohexane	0.84	J D M	0.086	1.7
Carbon tetrachloride	0.36	J D	0.17	3.1
2,2,4-Trimethylpentane	0.87	J D	0.27	2.3
Benzene	0.86	J D	0.23	1.6
1,2-Dichloroethane	0.81	U	0.53	2.0
n-Heptane	0.82	U	0.38	2.0
Trichloroethene	0.40	U	0.40	2.7
Methyl methacrylate	2.0	U	0.98	5.1
1,2-Dichloropropane	0.92	U	0.40	2.3
1,4-Dioxane	1.8	U	1.4	45
Bromodichloromethane	0.50	U	0.49	3.4
cis-1,3-Dichloropropene	0.34	U	0.33	2.3
methyl isobutyl ketone	2.0	U	1.8	5.1
Toluene	63	D	0.24	1.9
trans-1,3-Dichloropropene	0.34	U	0.30	2.3
1,1,2-Trichloroethane	1.1	U	0.50	2.7
Tetrachloroethene	0.51	U	0.51	3.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	1.7	5.1
Dibromochloromethane	0.64	U	0.43	4.3
1,2-Dibromoethane	0.58	U	0.35	3.8
Chlorobenzene	1.1	J D	0.21	2.3
Ethylbenzene	2.8	D M	0.22	2.2
m,p-Xylene	10	D	0.27	5.4
Xylene, o-	2.5	D	0.20	2.2
Xylene (total)	13		0.45	2.2
Styrene	0.32	U	0.17	2.1
Bromoform	0.78	U	0.65	5.2
Cumene	0.37	U	0.23	2.5
1,1,2,2-Tetrachloroethane	1.4	U	0.58	3.4
n-Propylbenzene	0.37	U	0.33	2.5
4-Ethyltoluene	0.52	J D	0.25	2.5
1,3,5-Trimethylbenzene	0.51	J D	0.23	2.5
2-Chlorotoluene	1.0	U	0.40	2.6

CLK 1/8/15

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 1011A0305EA

Lab Sample ID: 280-61460-5

Client Matrix: Air

Date Sampled: 10/15/2014 1350

Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79779	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10320_12.D
Dilution:	2.5			Initial Weight/Volume:	
Analysis Date:	11/03/2014 1835			Final Weight/Volume:	
Prep Date:	11/03/2014 1835			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.41	U	0.27	2.7
1,2,4-Trimethylbenzene	1.7	J	0.20	2.5
sec-Butylbenzene	0.41	U	0.29	2.7
4-Isopropyltoluene	0.41	U	0.27	2.7
1,3-Dichlorobenzene	0.45	U	0.30	3.0
1,4-Dichlorobenzene	0.45	U	0.29	3.0
Benzyl chloride	0.39	U	0.23	2.6
n-Butylbenzene	0.41	U	0.38	2.7
1,2-Dichlorobenzene	0.45	U	0.27	3.0
1,2,4-Trichlorobenzene	1.5	U	0.63	9.3
Hexachlorobutadiene	2.1	U	0.96	5.3
Naphthalene	1.0	U	0.39	6.6

CWA 11/8/15

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101IA0405EA

Lab Sample ID: 280-61460-6
Client Matrix: Air

Date Sampled: 10/15/2014 1410
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 1942			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1942			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.47	J	0.056	0.50
Freon 22	0.27	J	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.53		0.060	0.50
n-Butane	0.64		0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.33		0.045	0.20
Freon TF	0.079	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	20		0.69	5.0
Isopropyl alcohol	15		0.15	5.0
Carbon disulfide	0.080	U	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.21	J M	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.21		0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	1.1		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.20
Chloroform	0.080	U	0.038	0.20
Tetrahydrofuran	0.34	J	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.12	J M	0.010	0.20
Carbon tetrachloride	0.077	J	0.011	0.20
2,2,4-Trimethylpentane	0.081	J	0.023	0.20
Benzene	0.16	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.030	U	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.52		0.18	0.50
Toluene	6.4		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101IA0405EA

Lab Sample ID: 280-61460-6
Client Matrix: Air

Date Sampled: 10/15/2014 1410
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 1942			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1942			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.40		0.020	0.20
m,p-Xylene	1.8		0.025	0.50
Xylene, o-	0.51		0.018	0.20
Xylene (total)	2.3		0.041	0.20
Styrene	0.077	J	0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.020	J	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.042	J	0.020	0.20
1,3,5-Trimethylbenzene	0.047	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.14	J	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.080	U	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.3	J	0.28	2.5
Freon 22	0.96	J	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	1.1		0.12	1.0
n-Butane	1.5		0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.8		0.25	1.1
Freon TF	0.61	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	48		1.6	12
Isopropyl alcohol	37		0.37	12
Carbon disulfide	0.25	U	0.093	1.6

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101IA0405EA

Lab Sample ID: 280-61460-6
Client Matrix: Air

Date Sampled: 10/15/2014 1410
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 1942			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1942			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.74	J M	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.76		0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	3.3		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	0.79
Chloroform	0.39	U	0.19	0.98
Tetrahydrofuran	1.0	J	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.40	J M	0.034	0.69
Carbon tetrachloride	0.49	J	0.069	1.3
2,2,4-Trimethylpentane	0.38	J	0.11	0.93
Benzene	0.50	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.16	U	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	2.1		0.74	2.0
Toluene	24		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	1.8		0.087	0.87
m,p-Xylene	7.9		0.11	2.2
Xylene, o-	2.2		0.078	0.87
Xylene (total)	10		0.18	0.87
Styrene	0.33	J	0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.099	J	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.21	J	0.098	0.98
1,3,5-Trimethylbenzene	0.23	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101IA0405EA

Lab Sample ID: 280-61460-6
Client Matrix: Air

Date Sampled: 10/15/2014 1410
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 1942			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 1942			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.69	J	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.42	U	0.16	2.6

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101OA0305EA

Lab Sample ID: 280-61460-7
Client Matrix: Air

Date Sampled: 10/15/2014 1430
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_015.d
Dilution:	1.34			Initial Weight/Volume:	500 mL
Analysis Date:	10/31/2014 2041			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 2041			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.49	J Ø	0.075	0.67
Freon 22	0.25	J Ø	0.11	0.67
1,2-Dichlorotetrafluoroethane	0.11	U	0.070	0.27
Chloromethane	0.61	J Ø	0.080	0.67
n-Butane	0.27	U	0.24	0.67
Vinyl chloride	0.040	U	0.035	0.27
1,3-Butadiene	0.11	U	0.048	0.27
Bromomethane	0.11	U	0.059	0.27
Chloroethane	0.11	U	0.082	0.67
Bromoethene(Vinyl Bromide)	0.040	U	0.027	0.27
Trichlorofluoromethane	0.24	J Ø	0.060	0.27
Freon TF	0.083	J Ø	0.055	0.27
1,1-Dichloroethene	0.040	U	0.013	0.27
Acetone	7.9	Ø	0.92	6.7
Isopropyl alcohol	0.67	U	0.20	6.7
Carbon disulfide	0.61	J Ø	0.040	0.67
3-Chloropropene	0.27	U	0.21	0.67
Methylene Chloride	0.18	J Ø	0.16	0.67
tert-Butyl alcohol	0.27	U	0.16	6.7
Methyl tert-butyl ether	0.040	U	0.029	0.27
trans-1,2-Dichloroethene	0.040	U	0.036	0.27
n-Hexane	0.12	J Ø	0.038	0.27
1,1-Dichloroethane	0.040	U	0.038	0.27
Methyl Ethyl Ketone	1.5	Ø	0.12	0.67
cis-1,2-Dichloroethene	0.11	U	0.040	0.27
1,2-Dichloroethene, Total	0.11	U	0.071	0.27
Chloroform	0.11	U	0.051	0.27
Tetrahydrofuran	0.27	U	0.24	6.7
1,1,1-Trichloroethane	0.11	U	0.040	0.27
Cyclohexane	0.040	U	0.013	0.27
Carbon tetrachloride	0.074	J Ø	0.015	0.27
2,2,4-Trimethylpentane	0.18	J Ø	0.031	0.27
Benzene	0.096	J Ø	0.039	0.27
1,2-Dichloroethane	0.11	U	0.070	0.27
n-Heptane	0.11	U	0.050	0.27
Trichloroethene	0.040	U	0.040	0.27
Methyl methacrylate	0.27	U	0.13	0.67
1,2-Dichloropropane	0.11	U	0.047	0.27
1,4-Dioxane	1.0	J Ø	0.21	6.7
Bromodichloromethane	0.040	U	0.039	0.27
cis-1,3-Dichloropropene	0.040	U	0.039	0.27
methyl isobutyl ketone	0.27	U	0.24	0.67
Toluene	1.7	Ø	0.034	0.27
trans-1,3-Dichloropropene	0.040	U	0.035	0.27
1,1,2-Trichloroethane	0.11	U	0.050	0.27
Tetrachloroethene	0.049	J Ø	0.040	0.27

CLK 11/8/15

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101OA0305EA

Lab Sample ID: 280-61460-7
Client Matrix: Air

Date Sampled: 10/15/2014 1430
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_015.d
Dilution:	1.34			Initial Weight/Volume:	500 mL
Analysis Date:	10/31/2014 2041			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 2041			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.27	J Ø	0.23	0.67
Dibromochloromethane	0.040	U	0.027	0.27
1,2-Dibromoethane	0.040	U	0.024	0.27
Chlorobenzene	0.040	U	0.024	0.27
Ethylbenzene	0.11	J Ø	0.027	0.27
m,p-Xylene	0.45	J Ø	0.034	0.67
Xylene, o-	0.16	J Ø	0.024	0.27
Xylene (total)	0.61		0.055	0.27
Styrene	0.025	J Ø	0.021	0.27
Bromoform	0.040	U	0.034	0.27
Cumene	0.066	J Ø	0.025	0.27
1,1,2,2-Tetrachloroethane	0.11	U	0.046	0.27
n-Propylbenzene	0.19	J Ø	0.036	0.27
4-Ethyltoluene	0.10	J Ø	0.027	0.27
1,3,5-Trimethylbenzene	0.070	J Ø	0.025	0.27
2-Chlorotoluene	0.11	U	0.042	0.27
tert-Butylbenzene	0.040	U	0.027	0.27
1,2,4-Trimethylbenzene	0.43	Ø	0.021	0.27
sec-Butylbenzene	0.040	U	0.028	0.27
4-Isopropyltoluene	0.040	U	0.027	0.27
1,3-Dichlorobenzene	0.040	U	0.027	0.27
1,4-Dichlorobenzene	0.040	U	0.025	0.27
Benzyl chloride	0.040	U	0.024	0.27
n-Butylbenzene	0.040	U	0.038	0.27
1,2-Dichlorobenzene	0.040	U	0.024	0.27
1,2,4-Trichlorobenzene	0.11	U	0.046	0.67
Hexachlorobutadiene	0.11	U	0.048	0.27
Naphthalene	0.34	J Ø	0.040	0.67

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.4	J Ø	0.37	3.3
Freon 22	0.89	J Ø	0.38	2.4
1,2-Dichlorotetrafluoroethane	0.75	U	0.49	1.9
Chloromethane	1.3	J Ø	0.17	1.4
n-Butane	0.64	U	0.57	1.6
Vinyl chloride	0.10	U	0.089	0.69
1,3-Butadiene	0.24	U	0.11	0.59
Bromomethane	0.42	U	0.23	1.0
Chloroethane	0.28	U	0.22	1.8
Bromoethene(Vinyl Bromide)	0.18	U	0.12	1.2
Trichlorofluoromethane	1.4	J Ø	0.34	1.5
Freon TF	0.64	J Ø	0.42	2.1
1,1-Dichloroethene	0.16	U	0.053	1.1
Acetone	19	Ø	2.2	16
Isopropyl alcohol	1.6	U	0.49	16
Carbon disulfide	1.9	J Ø	0.13	2.1

11/8/15

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101OA0305EA

Lab Sample ID: 280-61460-7
Client Matrix: Air

Date Sampled: 10/15/2014 1430
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_015.d
Dilution:	1.34			Initial Weight/Volume:	500 mL
Analysis Date:	10/31/2014 2041			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 2041			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.84	U	0.67	2.1
Methylene Chloride	0.63	J D	0.56	2.3
tert-Butyl alcohol	0.81	U	0.49	20
Methyl tert-butyl ether	0.14	U	0.11	0.97
trans-1,2-Dichloroethene	0.16	U	0.14	1.1
n-Hexane	0.42	J D	0.13	0.94
1,1-Dichloroethane	0.16	U	0.15	1.1
Methyl Ethyl Ketone	4.4	D	0.36	2.0
cis-1,2-Dichloroethene	0.43	U	0.16	1.1
1,2-Dichloroethene, Total	0.43	U	0.28	1.1
Chloroform	0.52	U	0.25	1.3
Tetrahydrofuran	0.79	U	0.71	20
1,1,1-Trichloroethane	0.58	U	0.22	1.5
Cyclohexane	0.14	U	0.046	0.92
Carbon tetrachloride	0.47	J D	0.093	1.7
2,2,4-Trimethylpentane	0.85	J D	0.14	1.3
Benzene	0.31	J D	0.12	0.86
1,2-Dichloroethane	0.43	U	0.28	1.1
n-Heptane	0.44	U	0.20	1.1
Trichloroethene	0.22	U	0.22	1.4
Methyl methacrylate	1.1	U	0.53	2.7
1,2-Dichloropropane	0.50	U	0.22	1.2
1,4-Dioxane	3.7	J D	0.77	24
Bromodichloromethane	0.27	U	0.26	1.8
cis-1,3-Dichloropropene	0.18	U	0.18	1.2
methyl isobutyl ketone	1.1	U	0.99	2.7
Toluene	6.5	D	0.13	1.0
trans-1,3-Dichloropropene	0.18	U	0.16	1.2
1,1,2-Trichloroethane	0.58	U	0.27	1.5
Tetrachloroethene	0.33	J D	0.27	1.8
Methyl Butyl Ketone (2-Hexanone)	1.1	J D	0.93	2.7
Dibromochloromethane	0.34	U	0.23	2.3
1,2-Dibromoethane	0.31	U	0.19	2.1
Chlorobenzene	0.19	U	0.11	1.2
Ethylbenzene	0.48	J D	0.12	1.2
m,p-Xylene	2.0	J D	0.15	2.9
Xylene, o-	0.70	J D	0.10	1.2
Xylene (total)	2.6		0.24	1.2
Styrene	0.11	J D	0.091	1.1
Bromoform	0.42	U	0.35	2.8
Cumene	0.32	J D	0.13	1.3
1,1,2,2-Tetrachloroethane	0.74	U	0.31	1.8
n-Propylbenzene	0.93	J D	0.18	1.3
4-Ethyltoluene	0.50	J D	0.13	1.3
1,3,5-Trimethylbenzene	0.34	J D	0.13	1.3
2-Chlorotoluene	0.56	U	0.22	1.4

CMS 1/8/15

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101OA0305EA

Lab Sample ID: 280-61460-7
Client Matrix: Air

Date Sampled: 10/15/2014 1430
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_015.d
Dilution:	1.34			Initial Weight/Volume:	500 mL
Analysis Date:	10/31/2014 2041			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 2041			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.15	1.5
1,2,4-Trimethylbenzene	2.1	D	0.11	1.3
sec-Butylbenzene	0.22	U	0.15	1.5
4-Isopropyltoluene	0.22	U	0.15	1.5
1,3-Dichlorobenzene	0.24	U	0.16	1.6
1,4-Dichlorobenzene	0.24	U	0.15	1.6
Benzyl chloride	0.21	U	0.12	1.4
n-Butylbenzene	0.22	U	0.21	1.5
1,2-Dichlorobenzene	0.24	U	0.15	1.6
1,2,4-Trichlorobenzene	0.80	U	0.34	5.0
Hexachlorobutadiene	1.1	U	0.51	2.9
Naphthalene	1.8	J D	0.21	3.5

cdt 11/8/15

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101CA01EA

Lab Sample ID: 280-61460-8
Client Matrix: Air

Date Sampled: 10/17/2014 1102
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 2131			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 2131			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.54		0.056	0.50
Freon 22	0.46	J	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.20	U	0.060	0.50
n-Butane	0.29	J	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.58		0.045	0.20
Freon TF	0.17	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	7.4		0.69	5.0
Isopropyl alcohol	1.1	J	0.15	5.0
Carbon disulfide	1.6		0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.18	J M	0.12	0.50
tert-Butyl alcohol	0.87	J	0.12	5.0
Methyl tert-butyl ether	0.035	J	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.11	J	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	1.4		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.20
Chloroform	23		0.038	0.20
Tetrahydrofuran	1.1	J	0.18	5.0
1,1,1-Trichloroethane	0.35		0.030	0.20
Cyclohexane	0.11	J M	0.010	0.20
Carbon tetrachloride	0.45		0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.098	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.16	J	0.037	0.20
Trichloroethene	9.9		0.030	0.20
Methyl methacrylate	0.11	J	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.36		0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	19		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	2.5		0.030	0.20

CLL 1/8/15

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101CA01EA

Lab Sample ID: 280-61460-8
Client Matrix: Air

Date Sampled: 10/17/2014 1102
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 2131			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 2131			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.040	J	0.018	0.20
Ethylbenzene	0.18	J	0.020	0.20
m,p-Xylene	0.58		0.025	0.50
Xylene, o-	0.21		0.018	0.20
Xylene (total)	0.79		0.041	0.20
Styrene	0.12	J	0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.052	J	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.083	J	0.020	0.20
1,3,5-Trimethylbenzene	0.083	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.28		0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.17	J	0.020	0.20
1,3-Dichlorobenzene	0.46		0.020	0.20
1,4-Dichlorobenzene	0.050	J	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.35	J	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.7		0.28	2.5
Freon 22	1.6	J	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.41	U	0.12	1.0
n-Butane	0.68	J	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	3.2		0.25	1.1
Freon TF	1.3	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	18		1.6	12
Isopropyl alcohol	2.7	J	0.37	12
Carbon disulfide	5.1		0.093	1.6

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101CA01EA

Lab Sample ID: 280-61460-8
Client Matrix: Air

Date Sampled: 10/17/2014 1102
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 2131			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 2131			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.63	J M	0.42	1.7
tert-Butyl alcohol	2.6	J	0.36	15
Methyl tert-butyl ether	0.13	J	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.38	J	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	4.2		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	0.79
Chloroform	110		0.19	0.98
Tetrahydrofuran	3.2	J	0.53	15
1,1,1-Trichloroethane	1.9		0.16	1.1
Cyclohexane	0.38	J M	0.034	0.69
Carbon tetrachloride	2.9		0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.31	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.64	J	0.15	0.82
Trichloroethene	53		0.16	1.1
Methyl methacrylate	0.44	J	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	2.4		0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	73		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	17		0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.18	J	0.083	0.92
Ethylbenzene	0.80	J	0.087	0.87
m,p-Xylene	2.5		0.11	2.2
Xylene, o-	0.93		0.078	0.87
Xylene (total)	3.4		0.18	0.87
Styrene	0.53	J	0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.25	J	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.41	J	0.098	0.98
1,3,5-Trimethylbenzene	0.41	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

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Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101CA01EA

Lab Sample ID: 280-61460-8
Client Matrix: Air

Date Sampled: 10/17/2014 1102
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 2131			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 2131			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	1.4		0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.95	J	0.11	1.1
1,3-Dichlorobenzene	2.8		0.12	1.2
1,4-Dichlorobenzene	0.30	J	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	1.8	J	0.16	2.6

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101514TB

Lab Sample ID: 280-61460-9TB
Client Matrix: Air

Date Sampled: 10/15/2014 1200
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_017.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 2221			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 2221			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.20	U	0.056	0.50
Freon 22	0.20	U	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.20	U	0.060	0.50
n-Butane	0.20	U	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.080	U	0.045	0.20
Freon TF	0.080	U	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	2.5	U	0.69	5.0
Isopropyl alcohol	0.50	U	0.15	5.0
Carbon disulfide	0.080	U	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.20	U	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.030	U	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.20	U	0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.20
Chloroform	0.080	U	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.030	U	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.030	U	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.030	U	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	0.030	U	0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101514TB

Lab Sample ID: 280-61460-9TB
Client Matrix: Air

Date Sampled: 10/15/2014 1200
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_017.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 2221			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 2221			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.030	U	0.020	0.20
m,p-Xylene	0.060	U	0.025	0.50
Xylene, o-	0.030	U	0.018	0.20
Xylene (total)	0.090	U	0.041	0.20
Styrene	0.030	U	0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.030	U	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.030	U	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.080	U	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.99	U	0.28	2.5
Freon 22	0.71	U	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.41	U	0.12	1.0
n-Butane	0.48	U	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	0.45	U	0.25	1.1
Freon TF	0.61	U	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	5.9	U	1.6	12
Isopropyl alcohol	1.2	U	0.37	12
Carbon disulfide	0.25	U	0.093	1.6

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101514TB

Lab Sample ID: 280-61460-9TB
Client Matrix: Air

Date Sampled: 10/15/2014 1200
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_017.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 2221			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 2221			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.69	U	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.11	U	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	0.59	U	0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	0.79
Chloroform	0.39	U	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.19	U	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.096	U	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.16	U	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	0.11	U	0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.13	U	0.087	0.87
m,p-Xylene	0.26	U	0.11	2.2
Xylene, o-	0.13	U	0.078	0.87
Xylene (total)	0.39	U	0.18	0.87
Styrene	0.13	U	0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.15	U	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc

Job Number: 280-61460-1

Client Sample ID: 101514TB

Lab Sample ID: 280-61460-9TB
Client Matrix: Air

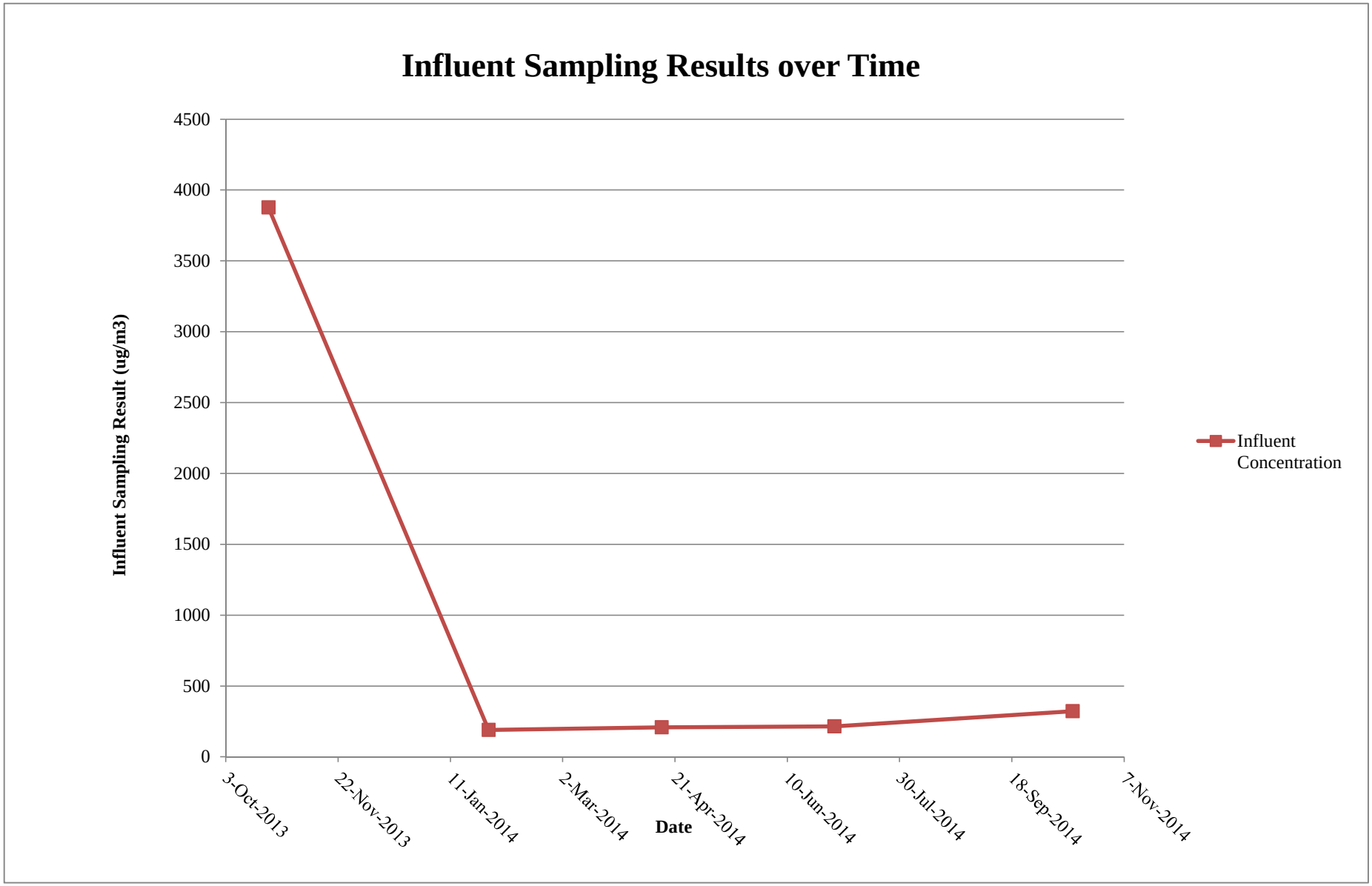
Date Sampled: 10/15/2014 1200
Date Received: 10/20/2014 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-79678	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10288_017.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/31/2014 2221			Final Weight/Volume:	200 mL
Prep Date:	10/31/2014 2221			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.15	U	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.42	U	0.16	2.6

Appendix F
Mass Contaminant Removal Calculation and Table


Influent Sampling Results over Time
Influent Sampling Result (ug/m3)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
3-Oct-2013
22-Nov-2013
11-Jan-2014
2-Mar-2014
21-Apr-2014
10-Jun-2014
30-Jul-2014
18-Sep-2014
7-Nov-2014
Date
Influent Concentration

ST006 Building 101 AOC
Contaminant Mass Removal

Date	Influent Sampling Results (ug/m3)	Derived Influent Concentrations (ug/m^3)	Average Flow Rate (acfm)	Influent Mass (mg/day)
22-Oct-13	3877.6	3877.60	17	2690.00
23-Oct-13		3839.01	17	2663.23
24-Oct-13		3801.37	17	2637.12
25-Oct-13		3763.74	17	2611.01
26-Oct-13		3726.10	17	2584.90
27-Oct-13		3688.46	17	2558.79
28-Oct-13		3650.83	17	2532.69
29-Oct-13		3613.19	17	2506.58
30-Oct-13		3575.55	17	2480.47
31-Oct-13		3537.92	17	2454.36
1-Nov-13		3500.28	17	2428.25
2-Nov-13		3462.65	17	2402.14
3-Nov-13		3425.01	17	2376.03
4-Nov-13		3387.37	17	2349.92
5-Nov-13		3349.74	17	2323.81
6-Nov-13		3312.10	17	2297.70
7-Nov-13		3274.46	17	2271.59
8-Nov-13		3236.83	17	2245.48
9-Nov-13		3199.19	17	2219.37
10-Nov-13		3161.56	17	2193.26
11-Nov-13		3123.92	17	2167.15
12-Nov-13		3086.28	17	2141.04
13-Nov-13		3048.65	17	2114.93
14-Nov-13		3011.01	17	2088.83
15-Nov-13		2973.37	17	2062.72
16-Nov-13		2935.74	17	2036.61
17-Nov-13		2898.10	17	2010.50
18-Nov-13		2860.47	17	1984.39
19-Nov-13		2822.83	17	1958.28
20-Nov-13		2785.19	17	1932.17
21-Nov-13		2747.56	17	1906.06
22-Nov-13		2709.92	17	1879.95
23-Nov-13		2672.28	17	1853.84
24-Nov-13		2634.65	17	1827.73
25-Nov-13		2597.01	17	1801.62
26-Nov-13		2559.37	17	1775.51
27-Nov-13		2521.74	17	1749.40
28-Nov-13		2484.10	17	1723.29
29-Nov-13		2446.47	17	1697.18
30-Nov-13		2408.83	17	1671.08
1-Dec-13		2371.19	17	1644.97
2-Dec-13		2333.56	17	1618.86
3-Dec-13		2295.92	17	1592.75
4-Dec-13		2258.28	17	1566.64
5-Dec-13		2220.65	17	1540.53
6-Dec-13		2183.01	17	1514.42
7-Dec-13		2145.38	17	1488.31
8-Dec-13		2107.74	17	1462.20
9-Dec-13		2070.10	17	1436.09
10-Dec-13		2032.47	17	1409.98
11-Dec-13		1994.83	17	1383.87
12-Dec-13		1957.19	17	1357.76
13-Dec-13		1919.56	17	1331.65
14-Dec-13		1881.92	17	1305.54
15-Dec-13		1844.29	17	1279.43
16-Dec-13		1806.65	17	1253.32
17-Dec-13		1769.01	17	1227.22
18-Dec-13		1731.38	17	1201.11
19-Dec-13		1693.74	17	1175.00
20-Dec-13		1656.10	17	1148.89
21-Dec-13		1618.47	17	1122.78
22-Dec-13		1580.83	17	1096.67
23-Dec-13		1543.19	17	1070.56
24-Dec-13		1505.56	17	1044.45
25-Dec-13		1467.92	17	1018.34
26-Dec-13		1430.29	17	992.23
27-Dec-13		1392.65	17	966.12
28-Dec-13		1355.01	17	940.01
29-Dec-13		1317.38	17	913.90
30-Dec-13		1279.74	17	887.79
31-Dec-13		1242.10	17	861.68
1-Jan-14		1204.47	17	835.57
2-Jan-14		1166.83	17	809.47
3-Jan-14		1129.20	17	783.36
4-Jan-14		1091.56	17	757.25
5-Jan-14		1053.92	17	731.14

ST006 Building 101 AOC
Contaminant Mass Removal

Date	Influent Sampling Results (ug/m3)	Derived Influent Concentrations (ug/m^3)	Average Flow Rate (acfm)	Influent Mass (mg/day)
6-Jan-14		1016.29	17	705.03
7-Jan-14		978.65	17	678.92
8-Jan-14		941.01	17	652.81
9-Jan-14		903.38	17	626.70
10-Jan-14		865.74	17	600.59
11-Jan-14		828.10	17	574.48
12-Jan-14		790.47	17	548.37
13-Jan-14		752.83	17	522.26
14-Jan-14		715.20	17	496.15
15-Jan-14		677.56	17	470.04
16-Jan-14		639.92	17	443.93
17-Jan-14		602.29	17	417.82
18-Jan-14		564.65	17	391.71
19-Jan-14		527.01	17	365.61
20-Jan-14		489.38	17	339.50
21-Jan-14		451.74	17	313.39
22-Jan-14		414.11	17	287.28
23-Jan-14		376.47	17	261.17
24-Jan-14		338.83	17	235.06
25-Jan-14		301.20	17	208.95
26-Jan-14		263.56	17	182.84
27-Jan-14		225.92	17	156.73
28-Jan-14	189.24	189.24	17	131.28
29-Jan-14		189.51	17	131.47
30-Jan-14		189.75	17	131.64
31-Jan-14		190.00	17	131.81
1-Feb-14		190.24	17	131.97
2-Feb-14		190.48	17	132.14
3-Feb-14		190.72	17	132.31
4-Feb-14		190.96	17	132.47
5-Feb-14		191.20	17	132.64
6-Feb-14		191.44	17	132.81
7-Feb-14		191.68	17	132.98
8-Feb-14		191.92	17	133.14
9-Feb-14		192.16	17	133.31
10-Feb-14		192.41	17	133.48
11-Feb-14		192.65	17	133.64
12-Feb-14		192.89	17	133.81
13-Feb-14		193.13	17	133.98
14-Feb-14		193.37	17	134.15
15-Feb-14		193.61	17	134.31
16-Feb-14		193.85	17	134.48
17-Feb-14		194.09	17	134.65
18-Feb-14		194.33	17	134.82
19-Feb-14		194.57	17	134.98
20-Feb-14		194.82	17	135.15
21-Feb-14		195.06	17	135.32
22-Feb-14		195.30	17	135.48
23-Feb-14		195.54	17	135.65
24-Feb-14		195.78	17	135.82
25-Feb-14		196.02	17	135.99
26-Feb-14		196.26	17	136.15
27-Feb-14		196.50	17	136.32
28-Feb-14		196.74	17	136.49
1-Mar-14		196.99	17	136.65
2-Mar-14		197.23	17	136.82
3-Mar-14		197.47	17	136.99
4-Mar-14		197.71	17	137.16
5-Mar-14		197.95	17	137.32
6-Mar-14		198.19	17	137.49
7-Mar-14		198.43	17	137.66
8-Mar-14		198.67	17	137.82
9-Mar-14		198.91	17	137.99
10-Mar-14		199.15	17	138.16
11-Mar-14		199.40	17	138.33
12-Mar-14		199.64	17	138.49
13-Mar-14		199.88	17	138.66
14-Mar-14		200.12	17	138.83
15-Mar-14		200.36	17	139.00
16-Mar-14		200.60	17	139.16
17-Mar-14		200.84	17	139.33
18-Mar-14		201.08	17	139.50
19-Mar-14		201.32	17	139.66
20-Mar-14		201.57	17	139.83
21-Mar-14		201.81	17	140.00
22-Mar-14		202.05	17	140.17

ST006 Building 101 AOC
Contaminant Mass Removal

Date	Influent Sampling Results (ug/m3)	Derived Influent Concentrations (ug/m^3)	Average Flow Rate (acfm)	Influent Mass (mg/day)
23-Mar-14		202.29	17	140.33
24-Mar-14		202.53	17	140.50
25-Mar-14		202.77	17	140.67
26-Mar-14		203.01	17	140.83
27-Mar-14		203.25	17	141.00
28-Mar-14		203.49	17	141.17
29-Mar-14		203.73	17	141.34
30-Mar-14		203.98	17	141.50
31-Mar-14		204.22	17	141.67
1-Apr-14		204.46	17	141.84
2-Apr-14		204.70	17	142.01
3-Apr-14		204.94	17	142.17
4-Apr-14		205.18	17	142.34
5-Apr-14		205.42	17	142.51
6-Apr-14		205.66	17	142.67
7-Apr-14		205.90	17	142.84
8-Apr-14		206.14	17	143.01
9-Apr-14		206.39	17	143.18
10-Apr-14		206.63	17	143.34
11-Apr-14		206.87	17	143.51
12-Apr-14		207.11	17	143.68
13-Apr-14		207.35	17	143.84
14-Apr-14		207.59	17	144.01
15-Apr-14	207.83	207.83	17	144.18
16-Apr-14		207.30	17	143.81
17-Apr-14		207.38	17	143.87
18-Apr-14		207.47	17	143.93
19-Apr-14		207.55	17	143.99
20-Apr-14		207.64	17	144.05
21-Apr-14		207.73	17	144.10
22-Apr-14		207.81	17	144.16
23-Apr-14		207.90	17	144.22
24-Apr-14		207.98	17	144.28
25-Apr-14		208.07	17	144.34
26-Apr-14		208.15	17	144.40
27-Apr-14		208.24	17	144.46
28-Apr-14		208.32	17	144.52
29-Apr-14		208.41	17	144.58
30-Apr-14		208.50	17	144.64
1-May-14		208.58	17	144.70
2-May-14		208.67	17	144.76
3-May-14		208.75	17	144.82
4-May-14		208.84	17	144.88
5-May-14		208.92	17	144.94
6-May-14		209.01	17	145.00
7-May-14		209.10	17	145.06
8-May-14		209.18	17	145.12
9-May-14		209.27	17	145.18
10-May-14		209.35	17	145.23
11-May-14		209.44	17	145.29
12-May-14		209.52	17	145.35
13-May-14		209.61	17	145.41
14-May-14		209.70	17	145.47
15-May-14		209.78	17	145.53
16-May-14		209.87	17	145.59
17-May-14		209.95	17	145.65
18-May-14		210.04	17	145.71
19-May-14		210.12	17	145.77
20-May-14		210.21	17	145.83
21-May-14		210.30	17	145.89
22-May-14		210.38	17	145.95
23-May-14		210.47	17	146.01
24-May-14		210.55	17	146.07
25-May-14		210.64	17	146.13
26-May-14		210.72	17	146.19
27-May-14		210.81	17	146.25
28-May-14		210.90	17	146.30
29-May-14		210.98	17	146.36
30-May-14		211.07	17	146.42
31-May-14		211.15	17	146.48
1-Jun-14		211.24	17	146.54
2-Jun-14		211.32	17	146.60
3-Jun-14		211.41	17	146.66
4-Jun-14		211.50	17	146.72
5-Jun-14		211.58	17	146.78
6-Jun-14		211.67	17	146.84

ST006 Building 101 AOC
Contaminant Mass Removal

Date	Influent Sampling Results (ug/m3)	Derived Influent Concentrations (ug/m^3)	Average Flow Rate (acfm)	Influent Mass (mg/day)
7-Jun-14		211.75	17	146.90
8-Jun-14		211.84	17	146.96
9-Jun-14		211.92	17	147.02
10-Jun-14		212.01	17	147.08
11-Jun-14		212.10	17	147.14
12-Jun-14		212.18	17	147.20
13-Jun-14		212.27	17	147.26
14-Jun-14		212.35	17	147.32
15-Jun-14		212.44	17	147.37
16-Jun-14		212.52	17	147.43
17-Jun-14		212.61	17	147.49
18-Jun-14		212.70	17	147.55
19-Jun-14		212.78	17	147.61
20-Jun-14		212.87	17	147.67
21-Jun-14		212.95	17	147.73
22-Jun-14		213.04	17	147.79
23-Jun-14		213.12	17	147.85
24-Jun-14		213.21	17	147.91
25-Jun-14		213.30	17	147.97
26-Jun-14		213.38	17	148.03
27-Jun-14		213.47	17	148.09
28-Jun-14		213.55	17	148.15
29-Jun-14		213.64	17	148.21
30-Jun-14		213.72	17	148.27
1-Jul-14	214.4	214.40	17	148.74
2-Jul-14		215.50	17	149.50
3-Jul-14		216.51	17	150.20
4-Jul-14		217.52	17	150.90
5-Jul-14		218.54	17	151.60
6-Jul-14		219.55	17	152.31
7-Jul-14		220.56	17	153.01
8-Jul-14		221.57	17	153.71
9-Jul-14		222.58	17	154.41
10-Jul-14		223.59	17	155.11
11-Jul-14		224.61	17	155.82
12-Jul-14		225.62	17	156.52
13-Jul-14		226.63	17	157.22
14-Jul-14		227.64	17	157.92
15-Jul-14		228.65	17	158.62
16-Jul-14		229.66	17	159.33
17-Jul-14		230.68	17	160.03
18-Jul-14		231.69	17	160.73
19-Jul-14		232.70	17	161.43
20-Jul-14		233.71	17	162.13
21-Jul-14		234.72	17	162.83
22-Jul-14		235.74	17	163.54
23-Jul-14		236.75	17	164.24
24-Jul-14		237.76	17	164.94
25-Jul-14		238.77	17	165.64
26-Jul-14		239.78	17	166.34
27-Jul-14		240.79	17	167.05
28-Jul-14		241.81	17	167.75
29-Jul-14		242.82	17	168.45
30-Jul-14		243.83	17	169.15
31-Jul-14		244.84	17	169.85
1-Aug-14		245.85	17	170.56
2-Aug-14		246.87	17	171.26
3-Aug-14		247.88	17	171.96
4-Aug-14		248.89	17	172.66
5-Aug-14		249.90	17	173.36
6-Aug-14		250.91	17	174.07
7-Aug-14		251.92	17	174.77
8-Aug-14		252.94	17	175.47
9-Aug-14		253.95	17	176.17
10-Aug-14		254.96	17	176.87
11-Aug-14		255.97	17	177.57
12-Aug-14		256.98	17	178.28
13-Aug-14		258.00	17	178.98
14-Aug-14		259.01	17	179.68
15-Aug-14		260.02	17	180.38
16-Aug-14		261.03	17	181.08
17-Aug-14		262.04	17	181.79
18-Aug-14		263.05	17	182.49
19-Aug-14		264.07	17	183.19
20-Aug-14		265.08	17	183.89
21-Aug-14		266.09	17	184.59

ST006 Building 101 AOC
Contaminant Mass Removal

Date	Influent Sampling Results (ug/m3)	Derived Influent Concentrations (ug/m^3)	Average Flow Rate (acfm)	Influent Mass (mg/day)
22-Aug-14		267.10	17	185.30
23-Aug-14		268.11	17	186.00
24-Aug-14		269.13	17	186.70
25-Aug-14		270.14	17	187.40
26-Aug-14		271.15	17	188.10
27-Aug-14		272.16	17	188.81
28-Aug-14		273.17	17	189.51
29-Aug-14		274.18	17	190.21
30-Aug-14		275.20	17	190.91
31-Aug-14		276.21	17	191.61
1-Sep-14		277.22	17	192.32
2-Sep-14		278.23	17	193.02
3-Sep-14		279.24	17	193.72
4-Sep-14		280.25	17	194.42
5-Sep-14		281.27	17	195.12
6-Sep-14		282.28	17	195.82
7-Sep-14		283.29	17	196.53
8-Sep-14		284.30	17	197.23
9-Sep-14		285.31	17	197.93
10-Sep-14		286.33	17	198.63
11-Sep-14		287.34	17	199.33
12-Sep-14		288.35	17	200.04
13-Sep-14		289.36	17	200.74
14-Sep-14		290.37	17	201.44
15-Sep-14		291.38	17	202.14
16-Sep-14		292.40	17	202.84
17-Sep-14		293.41	17	203.55
18-Sep-14		294.42	17	204.25
19-Sep-14		295.43	17	204.95
20-Sep-14		296.44	17	205.65
21-Sep-14		297.46	17	206.35
22-Sep-14		298.47	17	207.06
23-Sep-14		299.48	17	207.76
24-Sep-14		300.49	17	208.46
25-Sep-14		301.50	17	209.16
26-Sep-14		302.51	17	209.86
27-Sep-14		303.53	17	210.56
28-Sep-14		304.54	17	211.27
29-Sep-14		305.55	17	211.97
30-Sep-14		306.56	17	212.67
1-Oct-14		307.57	17	213.37
2-Oct-14		308.59	17	214.07
3-Oct-14		309.60	17	214.78
4-Oct-14		310.61	17	215.48
5-Oct-14		311.62	17	216.18
6-Oct-14		312.63	17	216.88
7-Oct-14		313.64	17	217.58
8-Oct-14		314.66	17	218.29
9-Oct-14		315.67	17	218.99
10-Oct-14		316.68	17	219.69
11-Oct-14		317.69	17	220.39
12-Oct-14		318.70	17	221.09
13-Oct-14		319.72	17	221.80
14-Oct-14		320.73	17	222.50
15-Oct-14	321.65	321.65	17	223.14
			SUM	181,202.44

Note:
Influent Mass = Influent conc. (ug/m3) * Average Flow Rate (m3/day)
(The influent concentration is based on empirical data collected during quarterly sampling events, and then interpolated linearly between data points.)