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May 20, 2020

Mr. Parag Amin
Remedial Bureau C, Remedial Section B
Division on Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway, 12th Floor
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Subject: Offsite Soil Vapor Intrusion Investigation Report
Lubricant Packing Company Site
Work Assignment #D007621-23.2
79 Industrial Place
City of Middletown, Orange County New York
Site ID No. 3-36-034

Dear Mr. Parag Amin:

Camp Dresser McKee & Smith (CDM Smith) is pleased to present this letter report that outlines the procedures and sampling approach followed while performing sub-slab soil vapor and indoor air sampling at the above referenced site, located adjacent to the Lubricant Packaging Company (LPC) Site. This project was a part of the New York State Department of Environmental Conservation (NYSDEC) Work Assignment #D007621-23. This work was conducted in general accordance with the New York State Department of Health (NYSDOH) *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, dated October 2006 (SVI Guidance) and subsequent updates.

1.0 Background

The LPC Site is a Class 2 Inactive Hazardous Waste Site. Historical poor house-keeping practices at this site resulted in spills and releases of 1,1,1-trichloroethane (1,1,1-TCA) and mineral spirits used during the former degreasing and lubrication activities.

Environmental investigations were conducted by others at the site between 1994 and 2002. CDM Smith conducted a pre-design investigation at the LPC site in 2009. The analytical results from the 2009 groundwater investigation identified two volatile organic compound (VOC) plumes on-site, one plume from an on-site source and a second plume migrating onto the site from the upgradient General Switch Site (Site No. 336025). The on-site source plume is related to 1,1,1-TCA and the degradation products (1,1-dichloroethane (1,1-DCA), 1,1-dichloroethene (1,1-DCE) and chloroethane) within the overburden aquifer on-site. The highest concentrations of 1,1,1-TCA were





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detected in on-site overburden monitoring wells LMW-01, LMW-03, and LMW-04 located along the eastern perimeter of the site (**Figure 1**). These monitoring wells are located downgradient of hotspots detected in soil borings LSB-05, LSB-20, LSB-22, and LSB-24. Off-site monitoring wells located downgradient of the site (LMW-06 through LMW-10) only detected elevated VOCs at LMW-06. The lack of VOCs detections at the downgradient monitoring well locations indicate that the 1,1,1-TCA plume is not migrating a significant distance offsite.

The second plume migrating on-site consists of tetrachloroethene (PCE) and the degradation products (trichloroethene (TCE), trans/cis-1,2-DCE, and vinyl chloride). Upgradient off-site monitoring wells (MW-09, MW-209, MW-06, and MW-206) only detected PCE and its degradation products. PCE and the degradation products were detected in on-site monitoring wells LMW-02 and LMW-03.

The building at 79 Industrial Place is located to the south and downgradient of the LPC and General Switch plumes. Monitoring well LMW-06, located on the 79 Industrial Place property to the northwest of the building, had concentrations of the volatile organic compounds 1,1,1-TCA (68 µg/L), 1,1-DCA (38 µg/L) and 1,1-DCE (6.8 µg/L) above the NYSDEC groundwater standard of 5 µg/L. Based on the presence of VOCs in that well and the fact that the building is directly downgradient of both plumes, NYSDEC and NYSDOH requested sub-slab soil vapor and indoor air sampling at the property in 2011.

Prior sampling at 79 Industrial Place in 2011 did not identify contaminants of concern above action levels in indoor air in the building; however sub-slab concentrations of 1,1,1-TCA and TCE were elevated enough to warrant mitigation. The building was not occupied at the time of the sampling that occurred in 2011, so no further work was completed at 79 Industrial Place.

Additional sampling was performed at 79 Industrial Place in 2019, after the building was occupied. The results of that sampling did not identify 1,1,1-TCA or TCE at levels that required further action based on NYSDOH guidance. Based on the PCE concentration in one of the indoor air samples (IA-05) located within the office/storage room on the northeast portion of the building, reasonable and practical actions were recommended to be taken to identify the source(s) of the PCE affecting the indoor air quality and actions should be implemented to reduce indoor air concentrations to within background range of PCE. Since the groundwater plumes from the Lubricant Packaging Site and General Switch Site both migrate beneath the 79 Industrial Place property, it was recommended that the potential risk for human exposure to PCE, TCE and 1,1,1-TCA continue to be monitored at this site.

2.0 Overview

The soil vapor intrusion investigation was conducted on February 13 and February 14, 2020. The purpose of the investigation was to determine if contaminants are present in subsurface soil vapor



and if so, whether they currently impact the indoor air quality of the on-site structure at levels that require the use of engineering controls (i.e. sub-slab depressurization system).

A total of four permanent sub-slab vapor ports (SS-SV-04 through SS-SV-07) were sampled within the building at the locations shown on **Figure 1**. One port (SS-SV-04) was located in a room where garbage is stored along the southeastern side of the building, the second port (SS-SV-05) is located in an office/storage room along the northeastern end of the building, the third port (SS-SV-06) is located in a sprinkler room off the office area located on the west side of the building, and a fourth port (SS-SV-07) is located in a conference room closet in the northernmost portion of the office area on the west side of the building. Indoor air samples IA-04, IA-05, IA-06, and IA-07 were co-located with SS-SV-04, SS-SV-05, SS-SV-06, and SS-SV-07, respectively. An outdoor ambient air sample (AA-03) was collected simultaneously with the sub-slab vapor and indoor air samples. The permanent sub-slab vapor sampling points were installed in accordance with the *NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, October 2006. The sub-slab sample port installation and soil vapor sampling procedures are detailed in Section 3.9 of CDM Smith's Generic QAPP. A duplicate sub-slab soil vapor sample (SV-DUP) was collected with SS-SV-05. Following are the details of the sub-slab soil vapor investigation.

3.0 Soil Vapor and Air Sampling

CDM Smith inspected the existing vapor ports and determined they were acceptable for use for sampling. A helium tracer test was performed at each of the existing sub-slab port locations to confirm that there was no potential surface air infiltration and that they were viable for sampling.

The procedure for helium tracer gas testing was conducted in accordance with the NYSDOH guidance document as follows:

- The soil vapor sampling tube was run through a hole in the bottom of a pre-prepared enclosure that is placed over the borehole.
- Helium gas was released through a sample port into the enclosure until a concentration of greater than 80 percent (%) was reached. The helium enriched environment was monitored and confirmed with a dielectric multi-gas detector inserted into a second sample port.
- After confirming 80% helium in the enclosure, the soil vapor sampling tube was purged using the low-flow air sample pump at a rate of not more than 0.2 liters per minute. The tube was screened for helium using a helium gas detector and for VOCs using a MiniRae photoionization detector (PID). Tracer gas testing was performed at all sample locations. All helium detections observed during tracer tests were found to be below 10%, as required by the NYSDOH guidance.



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After completion of the tracer test, approximately three dead air volumes of gas were purged from the subsurface probe. PID readings were then observed directly from the Teflon tubing and the highest reading was recorded in the field logbook (**Attachment A**). The end of the tubing was then connected directly to the intake valve of the Summa canister regulator. Flow rates for both purging and sample collection did not exceed 200 milliliters per minute to minimize ambient air infiltration during sampling.

All sub-slab, indoor air, and outdoor ambient air samples were collected using a 6-Liter Summa canister equipped with a 24-hour laboratory calibrated regulator as recommended in the SVI Guidance. Summa canisters were laboratory-certified with an initial vacuum of 28 inches mercury (Hg) +/- 2 inches. A vacuum of 5 inches Hg +/- 1 inch was a target pressure when the sample collection was completed. The sub-slab sample was collected concurrently with the indoor air and ambient air samples.

The sub-slab vapor samples had a final pressure between -15 and 0 inches of Hg after the 24-hour collection period. The final pressures of all ten samples were observed to be steady for the last half hour of sample collection; therefore, the field team ended the sample collection after the 24-hour period.

Air samples were analyzed by TestAmerica Laboratories in Burlington, Vermont for VOCs using EPA Method TO-15. Details on the collection of soil vapor samples are included in **Table 1**.

CDM Smith completed the NYSDOH Indoor Air Quality Questionnaire and Building Inventory form for the Site as part of the indoor air sampling. Included on the questionnaire are the locations and contents of a chemical/material storage area. A copy of this form is provided in **Attachment B**. Details of the sampling activities via the field logbook are provided in **Attachment A**.

4.0 Sample Results

The soil vapor investigation results are presented in **Table 2** and the laboratory report is provided as **Attachment C**. The 2006 NYSDOH Vapor Intrusion Guidance presents the State of New York indoor air guidance values as well as the 2017 sub-slab vapor/indoor air matrices (**Table 3, 4 and 5**). Indoor air results were compared to Appendix C, Table C.2, EPA 2001: Building assessment and survey evaluation (BASE) database, SUMMA® canister method, 90th percentile, as well as Table 3.1, Air guideline values derived by the NYSDOH of the Final NYSDOH Soil Vapor Intrusion Guidance. Ambient air results were compared to Appendix C, Table C.2, EPA 2001: Building assessment and survey evaluation (BASE) database, SUMMA® canister method, 90th percentile. A comparison of the sub-slab soil vapor and indoor air results at each co-located location is presented in **Table 6**, along with the final action recommendations suggested by the NYSDOH matrices.



Three of the four sub-slab vapor samples detected levels of PCE (SS-SV-04 at 0.43 J $\mu\text{g}/\text{m}^3$; SS-SV-05 at 6.3 $\mu\text{g}/\text{m}^3$; and SS-SV-06 at 0.25 J $\mu\text{g}/\text{m}^3$). Two of the four indoor air samples also detected levels of PCE (IA-05 at 4.6 $\mu\text{g}/\text{m}^3$ and IA-06 at 0.23 J $\mu\text{g}/\text{m}^3$). Using the soil vapor/indoor air matrix B (**Table 4**), the NYSDOH guidance suggests that no further action is required at any of the sample locations.

One of the four of the sub-slab vapor samples detected levels of TCE (SS-SV-05 at 1.1 $\mu\text{g}/\text{m}^3$). None of the indoor air samples detected levels of TCE. Using the soil vapor/indoor air matrix A (**Table 3**), the NYSDOH guidance suggests that no further action is required at any of the sample locations.

All four of the sub-slab vapor samples detected levels of carbon tetrachloride (SS-SV-04 at 0.34 J $\mu\text{g}/\text{m}^3$; SS-SV-05 at 0.43 $\mu\text{g}/\text{m}^3$; SS-SV-06 at 0.33 J $\mu\text{g}/\text{m}^3$; and SS-SV-07 at 0.43 $\mu\text{g}/\text{m}^3$). Three of the four indoor air samples also detected levels of carbon tetrachloride (IA-05 at 0.33 J $\mu\text{g}/\text{m}^3$; IA-06 at 0.36 J $\mu\text{g}/\text{m}^3$; and IA-07 at 0.34 J $\mu\text{g}/\text{m}^3$). Using the soil vapor/indoor air matrix A (**Table 3**), the NYSDOH guidance suggests that no further action is required at any of the sample locations.

One of the four sub-slab vapor samples displayed levels of methylene chloride (SS-SV-05 at 6.0 $\mu\text{g}/\text{m}^3$). Zero of four indoor air samples had a detectable level of methylene chloride. Using the soil vapor/indoor air matrix B (**Table 4**), the NYSDOH guidance suggests that no further action is required at any of the sample locations.

Three of the four sub-slab vapor samples displayed levels of 1,1,1-TCA (SS-SV-04 at 0.29 J $\mu\text{g}/\text{m}^3$; SS-SV-05 at 0.67 J $\mu\text{g}/\text{m}^3$; and SS-SV-06 at 1.2 $\mu\text{g}/\text{m}^3$). Two out of the four indoor air samples also displayed levels of 1,1,1-TCA (IA-05 at 0.98 J $\mu\text{g}/\text{m}^3$; IA-06 at 2.2 $\mu\text{g}/\text{m}^3$). Using the soil vapor/indoor air matrix B (**Table 4**), the NYSDOH guidance suggests that no further action is required at any of the sample locations.

All four sub-slab vapor samples and all four indoor air samples did not detect cis-1,2-DCE or 1,1-DCE. Therefore, using the soil vapor/indoor air matrix A (**Table 3**), the NYSDOH guidance suggests that no further action is required.

All four sub-slab vapor samples and all four indoor air samples did not detect vinyl chloride. Therefore, using the soil vapor/indoor air matrix C (**Table 5**), the NYSDOH guidance suggests that no further action is required.

Chloroform did not exceed the EPA Indoor Air Statistical Value of 1.1 $\mu\text{g}/\text{m}^3$ in indoor air sample IA-05 (0.41 $\mu\text{g}/\text{m}^3$; previously 2.5 $\mu\text{g}/\text{m}^3$ in 2019). Carbon Tetrachloride was also below the EPA Outdoor Air Statistical Value of 6.1 $\mu\text{g}/\text{m}^3$ in ambient air sample AA-03 (0.38 $\mu\text{g}/\text{m}^3$).



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5.0 Data Validation

Data validation was completed by Environmental Data Services, Inc. of Virginia Beach, Virginia. A copy of the Data Usability Summary Report (DUSR) is provided in **Attachment D**. The validation found the data to be useable.

6.0 Conclusions and Recommendations

The results of the 2019 sampling recommended that due to the potential risk for human exposure to PCE, TCE and 1,1,1-TCA at 79 Industrial Place, this property should continue to be monitored. Based on the recent February 2020 soil vapor intrusion sampling conducted at 79 Industrial Place, no further action is necessary based on NYSDOH guidance. Consistent with prior recommendations for this site, since the groundwater plumes from the Lubricant Packaging Site and General Switch Site both migrate beneath the 79 Industrial Place property, it is recommended that the potential risk for human exposure to PCE, TCE and 1,1,1-TCA continue to be monitored at this site.

Please call me at 732-590-4609 if you have any questions or need any additional information while completing your review of this letter report.

Very truly yours,

Jessica R. Beattie, PMP, P.G., ENV SP
Senior Project Manager
CDM Smith

Attachments:

Figure 1 – Sample Location Map

Table 1 - Off-Site Sub-Slab and Indoor Air Sample Parameters

Table 2 – Off-Site Sub-Slab and Indoor Air Sample Results

Table 3 - NYSDOH Soil Vapor/Indoor Air Matrix A

Table 4 - NYSDOH Soil Vapor/Indoor Air Matrix B

Table 5 - NYSDOH Soil Vapor/Indoor Air Matrix C

Table 6 – Soil Vapor Intrusion Investigation Recommendations Based on NYSDOH Decision Matrices

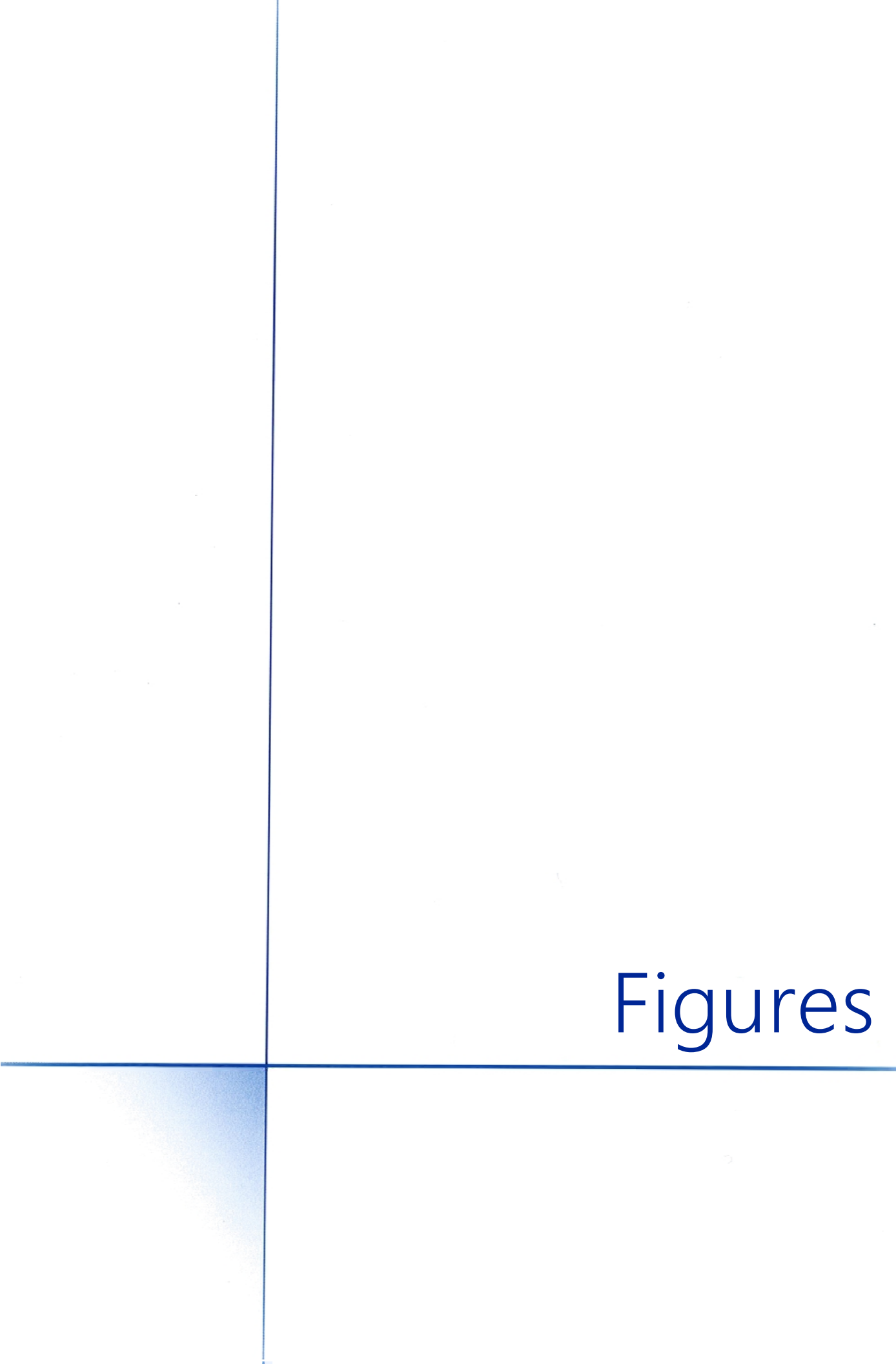
Attachment A – Field Log Book

Attachment B – NYSDOH Indoor Air Quality Questionnaire and Building Inventory

Attachment C – Laboratory Report

Attachment D – Data Usability Summary Report



A decorative graphic consisting of a vertical blue line and a horizontal blue line intersecting at the bottom-left corner. A blue square is filled in the bottom-left corner, bounded by the intersection point and the left and bottom edges of the page.

Figures



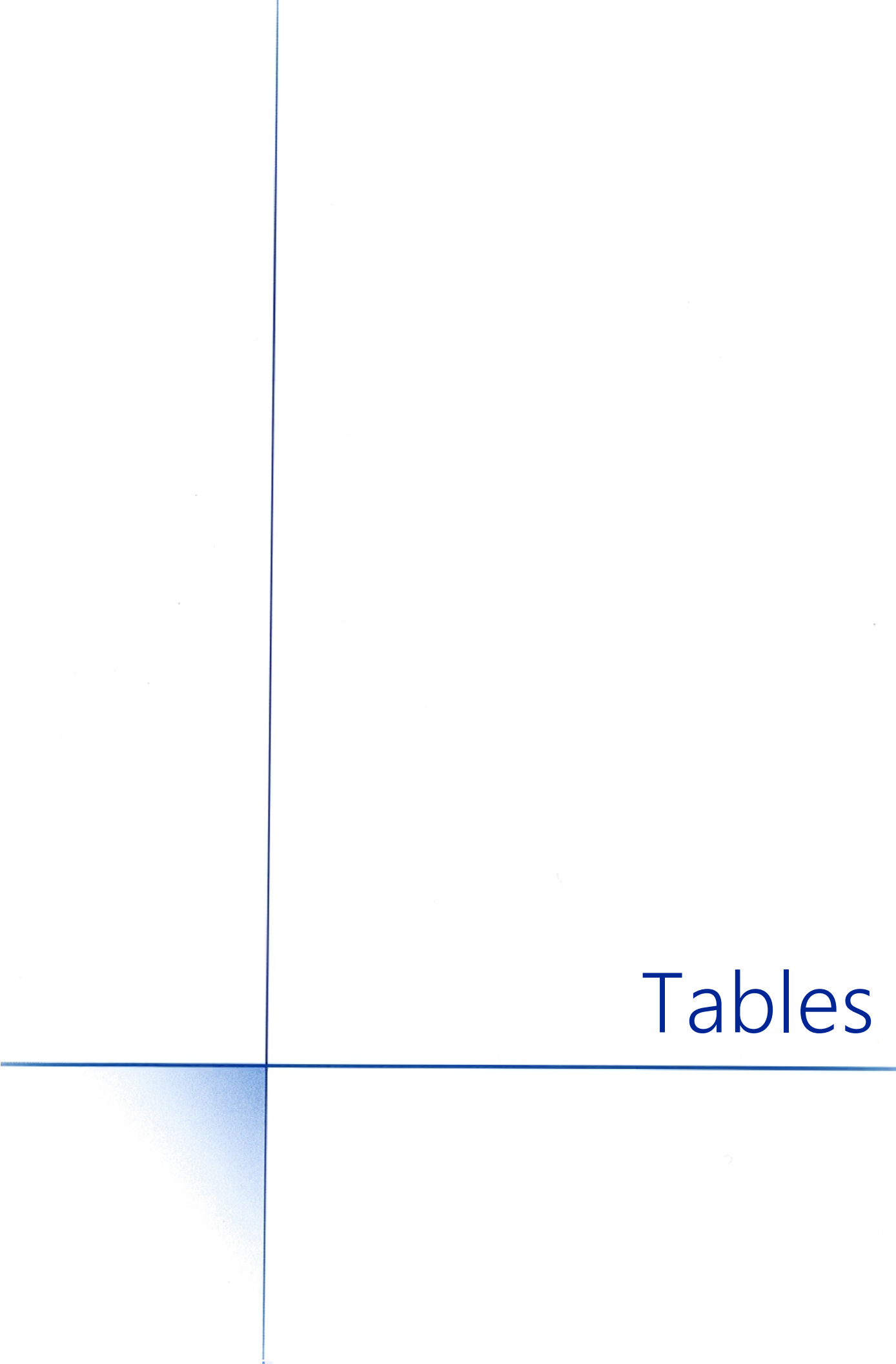
1 inch = 63 feet

0 15 30 60 Feet

Sample Location Map

Figure 1
79 Industrial Place
Middletown, New York



A decorative graphic consisting of a vertical blue line and a horizontal blue line intersecting at the bottom-left corner. A blue square is filled in the bottom-left corner, extending from the intersection point to the left and downwards.

Tables

Table 1
Off-Site Sub-Slab and Indoor Air Sample Parameters
79 Industrial Place, Middletown, NY
Lubricant Packaging Site
NYSDEC Site No. 336034

Sample ID	Quality Assurance (QA) Samples	Start Date	End Date	Time Started	Initial Pressure (inches Hg)	Time Collected	Final Pressure (inches Hg)	Canister ID	Flow Meter ID	PID VOC (ppm)
SS-SV-04		2/13/2020	2/14/2020	11:30	-30	11:30	-8	1845	6147	0.9
IA-04		2/13/2020	2/14/2020	11:35	-29	11:35	-8	5341	5051	0.9
SS-SV-06		2/13/2020	2/14/2020	10:45	-28	10:45	-4	4059	3543	0.0
IA-06		2/13/2020	2/14/2020	10:50	-30	10:50	-8	4937	5040	0.0
SS-SV-05		2/13/2020	2/14/2020	11:00	-30	11:00	-15	8679	5649	NL*
IA-05		2/13/2020	2/14/2020	11:10	-30	11:10	-6	8833	4807	NL*
SV-DUP	Duplicate of SS-SV-05	2/13/2020	2/14/2020	11:05	-29	11:05	-7	8753	5146	NL*
SS-SV-07		2/13/2020	2/14/2020	10:30	-28	10:10	0	5212	5115	NL*
IA-07		2/13/2020	2/14/2020	10:35	-30	10:35	-9	2807	3352	NL*
AA-03		2/13/2020	2/14/2020	10:45	-27	9:50	0	1910	6311	

Notes:

* The PID VOC is not listed (NL) due to the instrument pump not having enough flow to detect a reading.

Acronyms:

AA - ambient air

Hg - mercury

NA - not applicable

VOC - volatile organic compound

IA - indoor air

PID - photoionization detector

SS - sub-slab

SV - soil vapor

ID - identification

ppm - parts per million

Table 2
Off-Site Sub-Slab and Indoor Air Sample Results
79 Industrial Place, Middletown, NY
Lubricant Packaging Site
NYSDEC Site No. 336034

					Sub-Slab Soil Vapor					Indoor Air					Outdoor Ambient Air
Sample ID					SV-04	SV-05	SV-DUP	SV-06	SV-07	IA-04	IA-05	IA-06	IA-07	AA-03	
Lab Sample Number		EPA Indoor Air	EPA Outdoor Air	NYSDOH Air	200-52685-1	200-52685-5	200-52685-7	200-52685-3	200-52685-8	200-52685-2	200-52685-6	200-52685-4	200-52685-9	200-52685-10	
Sampling Date		Statistical	Statistical	Guideline	2/14/2020	2/14/2020	2/14/2020	2/14/2020	2/14/2020	2/14/2020	2/14/2020	2/14/2020	2/14/2020	2/14/2020	
Matrix		Value ¹	Value ²	Value ³	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air	
Unit		µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	
Volatile Organic Compounds (TO-15)															
	CAS#														
1,1,1-Trichloroethane	71-55-6	20.6	2.6	NL	0.29 J	0.67 J	0.93 J	1.2	1.1 U	1.1 U	0.98 J	2.2	1.1 U	1.1 U	
1,1,2,2-Tetrachloroethane	79-34-5	NL	NL	NL	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NL	NL	NL	0.43 J	0.5 J	0.44 J	0.41 J	0.49 J	1.5 U	0.45 J	0.42 J	0.49 J	0.5 J	
1,1,2-Trichloroethane	79-00-5	NL	NL	NL	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	
1,1-Dichloroethane	75-34-3	NL	NL	NL	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	
1,1-Dichloroethene	75-35-4	NL	NL	NL	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	
1,2,4-Trichlorobenzene	120-82-1	NL	NL	NL	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	
1,2,4-Trimethylbenzene	95-63-6	9.5	5.8	NL	3.5	0.98 U	0.21 J	0.98 U	0.98 U	0.98 U	0.34 J	0.98 U	0.98 U	0.98 U	
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NL	NL	NL	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	
1,2-Dichlorobenzene	95-50-1	NL	NL	NL	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
1,2-Dichloroethane	107-06-2	NL	NL	NL	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	
1,2-Dichloropropane	78-87-5	NL	NL	NL	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	
1,2-Dichlorotetrafluoroethane	76-14-2	NL	NL	NL	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	3.7	2.7	NL	0.84 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	
1,3-Butadiene	106-99-0	NL	NL	NL	0.14 J	0.85	1.1	0.32 J	0.44 U	0.44 U	1.3	0.5	0.44 U	0.15 J	
1,3-Dichlorobenzene	541-73-1	2.4	2.2	NL	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
1,4-Dichlorobenzene	106-46-7	5.5	1.2	NL	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
1,4-Dioxane (P-Dioxane)	123-91-1	NL	NL	NL	18 U	18 U	18 U	18 U	18 U	0.32 J	18 U	18 U	18 U	18 U	
2,2,4-Trimethylpentane	540-84-1	NL	NL	NL	2.7	0.93 U	0.93 U	0.22 J	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.25 J	
2-Chlorotoluene	95-49-8	NL	NL	NL	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
2-Hexanone	591-78-6	NL	NL	NL	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	
4-Ethyltoluene	622-96-8	3.6	3	NL	0.83 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	
Acetone	67-64-1	98.9	43.7	NL	30	100 J	150 J	16	13	9.9 J	73	25	7.8 J	5.5 J	
Allyl Chloride (3-Chloropropene)	107-05-1	NL	NL	NL	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	
Benzene	71-43-2	9.4	6.6	NL	1.3	0.62 J	0.67	0.57 J	0.46 J	0.27 J	0.78	0.61 J	0.44 J	0.78	
Benzyl Chloride	100-44-7	NL	NL	NL	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Bromodichloromethane	75-27-4	NL	NL	NL	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	
Bromoform	75-25-2	NL	NL	NL	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	
Bromomethane	74-83-9	NL	NL	NL	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	
Butane	106-97-8	NL	NL	NL	9.9	31	37	3.3	16	1.4	39	3.4	16	3.3	
Carbon Disulfide	75-15-0	NL	NL	NL	1.6 U	5.1	0.24 J	1.6 U	1.6 U	1.6 U	0.31 J	1.6	0.27 J	1.6 U	
Carbon Tetrachloride	56-23-5	4.2	3.7	NL	0.34 J	0.43	0.45	0.33 J	0.43	0.38 U	0.33 J	0.36 J	0.34 J	0.38	
Chlorobenzene	108-90-7	1.3	0.7	NL	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	
Chlorodifluoromethane	75-45-6	NL	NL	NL	1.8	1.7 J	1.3 J	4.5	1.9	0.64 J	2.2	1.1 J	1.3 J	1.5 J	
Chloroethane	75-00-3	NL	NL	NL	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	
Chloroform	67-66-3	NL	NL	NL	0.27 J	0.38 J	0.46 J	0.25 J	0.17 J	0.16 J	0.41 J	0.34 J	0.18 J	0.98 U	
Chloromethane	74-87-3	1.1	0.6	NL	1	1.2	3.7	0.99 J	1.2	0.65 J	1.2	1.5	1.3	1.4	
Cis-1,2-Dichloroethylene	156-59-2	3.7	3.7	NL	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	
Cis-1,3-Dichloropropene	10061-01-5	NL	NL	NL	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	
Cyclohexane	110-82-7	NL	NL	NL	2.3	1.2	1.3	0.67	0.16 J	0.6 J	1.7	0.98	0.69 U	0.69 U	
Cymene	99-87-6	NL	NL	NL	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	
Dibromochloromethane	124-48-1	NL	NL	NL	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	
Dichlorodifluoromethane	75-71-8	NL	NL	NL	1.9 J	2.6	2.4 J	1.8 J	2.4	1 J	2.1 J	1.7 J	2.3 J	2.7	
Dichloroethylenes	540-59-0	16.5	8.1	NL	1.6 U	1.6 U	1.6 U	1.6 U	1.8	1.6 U	1.6 U	1.6 U	1.7	1.6 U	
Ethylbenzene	100-41-4	NL	NL	NL	2.2	0.77 J	0.99	0.46 J	0.36 J	0.87 U	1.3	0.43 J	0.87 U	0.87 U	
Hexachlorobutadiene	87-68-3	5.7	3.5	NL	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	
Isopropanol	67-63-0	NL	NL	NL	190	1300	1500	14	15	11 J	5300	32	13	12 U	
Isopropylbenzene (Cumene)	98-82-8	NL	NL	NL	0.5 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	
m,p-Xylene	179601-23-1	NL	NL	NL	8	2.5	4.4	1.5 J	0.99 J	0.75 J	5.2	1.6 J	0.61 J	0.76 J	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	NL	NL	NL	6.2	1.2 J	1.1 J	4.4	2.3	6.5	1.9	14	2.6	0.87 J	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NL	NL	NL	0.88 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	
Methyl Methacrylate	80-62-6	NL	NL	NL	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	
Methylene Chloride	75-09-2	NL	NL	NL	1.7 U	6	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	
Naphthalene	91-20-3	10	6.1	60	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	
N-Butylbenzene	104-51-8	NL	NL	NL	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	
N-Heptane	142-82-5	NL	NL	NL	2.3	0.32 J	0.3 J	0.57 J	0.82 U	0.39 J	0.55 J	0.86	0.82 U	0.82 U	

Table 2
Off-Site Sub-Slab and Indoor Air Sample Results
79 Industrial Place, Middletown, NY
Lubricant Packaging Site
NYSDEC Site No. 336034

					Sub-Slab Soil Vapor					Indoor Air					Outdoor Ambient Air
Sample ID		EPA Indoor Air Statistical Value ¹	EPA Outdoor Air Statistical Value ²	NYSDOH Air Guideline Value ³	SV-04	SV-05	SV-DUP	SV-06	SV-07	IA-04	IA-05	IA-06	IA-07	AA-03	
Lab Sample Number					200-52685-1	200-52685-5	200-52685-7	200-52685-3	200-52685-8	200-52685-2	200-52685-6	200-52685-4	200-52685-9	200-52685-10	
Sampling Date					2/14/2020	2/14/2020	2/14/2020	2/14/2020	2/14/2020	2/14/2020	2/14/2020	2/14/2020	2/14/2020	2/14/2020	
Matrix					Air	Air	Air	Air	Air	Air	Air	Air	Air	Air	
Unit					µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	
Volatile Organic Compounds (TO-15)		CAS#													
N-Hexane	110-54-3	NL	NL	NL	3.7	3.2	0.7 U	0.7 U	0.7 U	0.7 U	0.82	0.7 U	0.7 U	0.7 U	
N-Propylbenzene	103-65-1	10.2	6.4	NL	0.58 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	
O-Xylene (1,2-Dimethylbenzene)	95-47-6	NL	NL	NL	3.4	0.54 J	0.95	0.49 J	0.26 J	0.87 U	1.5	0.43 J	0.87 U	0.87 U	
Sec-Butylbenzene	135-98-8	7.9	4.6	NL	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	
Styrene	100-42-5	NL	NL	NL	0.22 J	0.85 U	0.85 U	0.17 J	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	
T-Butylbenzene	98-06-6	1.9	1.3	NL	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	
Tert-Butyl Alcohol	75-65-0	NL	NL	NL	34	2.2 J	3.3 J	0.85 J	0.57 J	1.3 J	0.62 J	2.6 J	0.25 J	0.2 J	
Tert-Butyl Methyl Ether	1634-04-4	NL	NL	NL	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	
Tetrachloroethylene (PCE)	127-18-4	NL	NL	NL	0.43 J	6.3	7.3	0.25 J	1.4 U	1.4 U	4.6	0.23 J	1.4 U	1.4 U	
Tetrahydrofuran	109-99-9	15.9	6.5	30	0.3 J	15 U	15 U	0.26 J	15 U	15 U	2 J	0.89 J	15 U	15 U	
Toluene	108-88-3	NL	NL	NL	10	3.1	4.1	1.9	1.3	1.5	4.7	2	1.2	1.2	
Trans-1,2-Dichloroethene	156-60-5	43	33.7	NL	0.79 U	0.79 U	0.79 U	0.79 U	1.8	0.79 U	0.79 U	0.79 U	1.7	0.79 U	
Trans-1,3-Dichloropropene	10061-02-6	NL	NL	NL	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	
Trichloroethylene (TCE)	79-01-6	NL	NL	NL	0.32 U	1.1	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	
Trichlorofluoromethane	75-69-4	4.2	1.3	2	1.4	1.3	1.3	1.1	1.3	0.55 J	1.1	1.2	1.2	1.3	
Vinyl Bromide	593-60-2	18.1	4.3	NL	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	
Vinyl Chloride	75-01-4	NL	NL	NL	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	
Xylenes	1330-20-7	NL	NL	NL	11	3 J	5.3	2 J	1.3 J	0.74 J	6.7	2 J	0.61 J	0.74 J	

Lab Qualifiers:

U - Analyte included in the analysis, but not detected

J - Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration

U - Analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

Notes:

1 - Final New York State Department of Health Soil Vapor Intrusion Guidance, October 2006. Appendix C Table C2 - EPA 2001: Building assessment and survey evaluation (BASE) database, SUMMA® canister method, 90th percentile for indoor air.

2 - Final New York State Department of Health Soil Vapor Intrusion Guidance, October 2006. Appendix C Table C2 - EPA 2001: Building assessment and survey evaluation (BASE) database, SUMMA® canister method, 90th percentile for outdoor air.

3 - Final New York State Department of Health Soil Vapor Intrusion Guidance, October 2006. Table 3.1 Air Guideline Values Derived by the NYSDOH. Revised May 2017.

EPA - Environmental Protection Agency

NYSDOH - New York State Department of Health

µg/m³ - microgram per cubic meter

NL - Not listed

ID - identification

Table 3
NYSDOH Sub-slab Vapor/Indoor Air Matrix A
Trichloroethene (TCE), cis-1,2-Dichloroethene (cis-1,2-DCE), 1,1-Dichloroethene (DCE), Carbon Tetrachloride
May 2017

	INDOOR AIR CONCENTRATION of COMPOUND ($\mu\text{g}/\text{m}^3$)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND ($\mu\text{g}/\text{m}^3$)	< 0.2	0.2 to < 1	1 and above
< 6	1. No further action	2. No further action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
6 to < 60	4. No further action	5. MONITOR	6. MITIGATE
60 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

Source:

New York State Department of Health (NYSDOH) 2017. *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* . Soil Vapor/Indoor Air Matrix A. May.

Acronym:

$\mu\text{g}/\text{m}^3$ - microgram per cubic meter

< - less than

Table 4
NYSDOH Sub-slab Vapor/Indoor Air Matrix B
Tetrachloroethene (PCE), 1,1,1-Trichloroethane (1,1,1-TCA), and Methylene Chloride
May 2017

	INDOOR AIR CONCENTRATION of COMPOUND ($\mu\text{g}/\text{m}^3$)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND ($\mu\text{g}/\text{m}^3$)	< 3	3 to < 10	10 and above
< 100	1. No further action	2. No further action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
100 to < 1,000	4. MONITOR	5. MONITOR / MITIGATE	6. MITIGATE
1,000 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

Source:

New York State Department of Health (NYSDOH) 2017. *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York*. Soil Vapor/Indoor Air Matrix B. May.

Acronym:

$\mu\text{g}/\text{m}^3$ - microgram per cubic meter

< - less than

Table 5
NYSDOH Sub-slab Vapor/Indoor Air Matrix C
 Vinyl Chloride
 May 2017

	INDOOR AIR CONCENTRATION of COMPOUND ($\mu\text{g}/\text{m}^3$)	
SUB-SLAB VAPOR CONCENTRATION of COMPOUND ($\mu\text{g}/\text{m}^3$)	< 0.2	0.2 and above
< 6	1. No further action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
6 to < 60	3. MONITOR	4. MITIGATE
60 and above	5. MITIGATE	6. MITIGATE

Source:

New York State Department of Health (NYSDOH) 2017. *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York*. Soil Vapor/Indoor Air Matrix C. May.

Acronym:

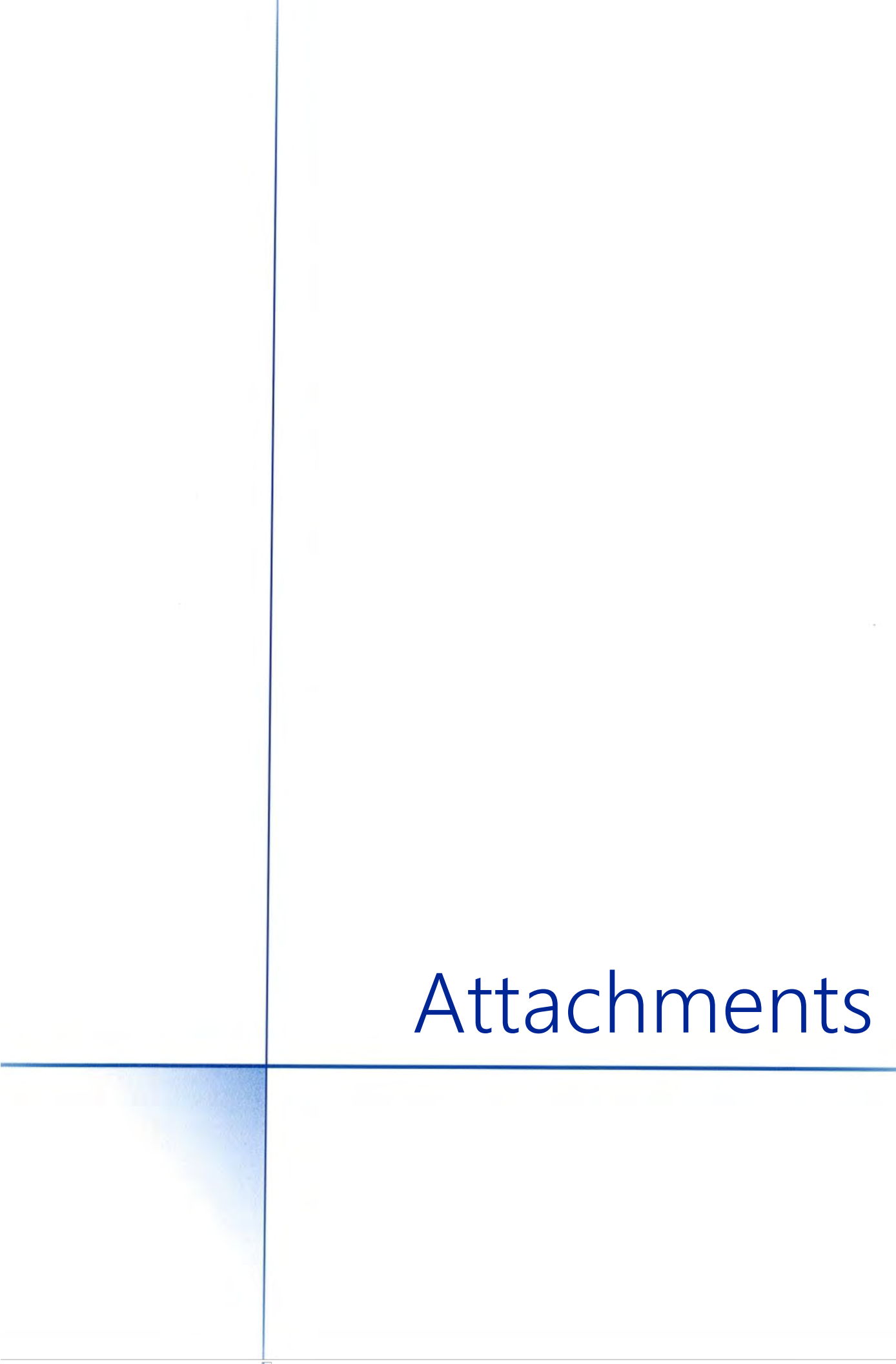
$\mu\text{g}/\text{m}^3$ - microgram per cubic meter

< - less than

Table 6
Soil Vapor Intrusion Investigation Recommendations Based on NYSDOH Decision Matrices
79 Industrial Place, Middletown, NY
Lubricant Packaging Site
NYSDEC Site No. 336034

Location	Compound	Sub-Slab Air Concentrations	Indoor Air Concentrations	Action Recommended ²	Final Action Recommended ³
SS-SV/IA-04	1,1,1-TCA	0.29 J	<0.20	No Further Action	Based on sampling results, no further action is required.
	Carbon tetrachloride	0.34 J	<0.15	No Further Action	
	Methylene Chloride	<0.94	<0.94	No Further Action	
	TCE	<0.19	<0.19	No Further Action	
	PCE	0.43 J	<0.22	No Further Action	
SS-SV/IA-05	1,1,1-TCA	0.67 J	0.98 J	No Further Action	Based on sampling results, no further action is required.
	Carbon tetrachloride	0.43	0.33 J	No Further Action	
	Methylene Chloride	6.0	<0.94	No Further Action	
	TCE	1.1	<0.19	No Further Action	
	PCE	6.3	4.6	No Further Action	
SS-SV/IA-06	1,1,1-TCA	1.2	2.2	No Further Action	Based on sampling results, no further action is required.
	Carbon tetrachloride	0.33 J	0.36 J	No Further Action	
	Methylene Chloride	<0.94	<0.94	No Further Action	
	TCE	<0.19	<0.19	No Further Action	
	PCE	0.25J	0.23 J	No Further Action	
SS-SV/IA-07	1,1,1-TCA	<0.20	<0.20	No Further Action	Based on sampling results, no further action is required.
	Carbon tetrachloride	0.43	0.34 J	No Further Action	
	Methylene Chloride	<0.94	<0.94	No Further Action	
	TCE	<0.19	<0.19	No Further Action	
	PCE	<0.22	<0.22	No Further Action	

- Notes:
- "Guidance for Evaluating Soil Vapor Intrusion in the State of New York", NYSDOH, October 2006
 - Action levels based on NYSDOH Matrix A for TCE, cis-1,2-DCE, and Carbon Tetrachloride and Matrix B for PCE and 1,1,1-TCA effective May 2017.
 - NYSDOH Soil Vapor/Indoor Air Matrices A, B and C also include guidance for 1,1-Dichloroethene, Cis-1,2-Dichloroethene, and Vinyl Chloride. Results for these three compounds were non-detect at all sampling locations.
 - Due to high reporting limits for non-detect values that may affect the action recommended, the method detection limits are reported.
- All Concentrations in µg/m³
PCE - Tetrachloroethene
TCE - Trichloroethene
cis-1,2-DCE - cis-1,2-dichloroethylene
1,1,1-TCA - 1,1,1-Trichloroethane

A decorative graphic consisting of a vertical blue line and a horizontal blue line intersecting. In the bottom-left quadrant, there is a light blue gradient triangle pointing towards the intersection. The word "Attachments" is written in a dark blue serif font to the right of the intersection.

Attachments

Attachment A

Field Logbook

Location Middletown, NY Date 2/13/20
 Project / Client Lubricant Packing / NYSDDEC
SUI sampling

0930 Eric Rosenzweig on site
 from CDM Smith to
 collect SUI samples from
 4 existing locations.

- Weather: light rain @ 35°
- Checked in at office
- Conducted Helium tracer
 tests on the 3
 Cox-Colvin sample
 ports. all ports were
 enriched w/ helium to
 greater than 85%.
- Zero break through
 was observed.

1005- Parag Awin on site from
 NYSDDEC. Got him up
 to speed on the Helium
 sampling results.

- See table in the
 field notes for 2/14/20
 for sample details.
- After starting the samples
 Parag and I didn't
 wait through any the
 Elongation 2/13/20

Location Middletown, NY Date 2/13/20
 Project / Client Lubricant Packing / NYSDDEC
SUI Sampling

17 industrial place property
 the power appears to
 be off at the property
 and all 3 SUE
 systems are not
 running.

1315 off site

2/13/20

Parag

Middletown, NY Date 2/14/20
Project / Client Lubricant Packing / NYSDEC
SVI Sampling

0930 E Rosenzweig on site
from CDM Smith to
pick up SVI samples
from The 79 Industrial
Place property

- Weather: Clear & 25°
- Checked in @ office.
- See table next page
for SVI collection
Details.

- All samples were
started on 2/13/20 and
picked up on 2/14/20
- All samples were
delivered to Eurochem
test America, in Albany
NY for analysis.

1215 off Site

2/14/20

[Signature]

Middletown, NY Date 2/14/20
Project / Client Lubricant Packing / NYSDEC
SVI Sampling

Sample id	start time	end time	start vac	end vac	end count	Count
SS-SV-04-021420	1135	1130	-30	-8	1845	6147
IA-04-021420	1125	1135	-29	-8	5341	5051
SS-SV-06-021420	1045	1045	-28	-4	4059	3543
IA-06-021420	1050	1050	-30	-8	2937	5040
SS-SV-05-021420	1100	1100	-30	-15	8029	5699
IA-05-021420	1110	1110	-30	-6	8833	4807
SV-D28-021420	1105	1105	-29	-7	8753	5146
SS-SV-07-021420	1030	1010	-28	0	5212	5115
IA-07-021420	1035	1035	-30	-9	2807	3352
AA-03-021420	1145	950	-27	0	1910	6311

[Signature] 2/14/20

Attachment B

NYSDOH Indoor Air Quality Questionnaire

**NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH**

This form must be completed for each residence involved in indoor air testing.

Preparer's Name MATT RENKO Date/Time Prepared _____

Preparer's Affiliation CDM SMITH Phone No. _____

Purpose of Investigation SVI INVESTIGATION

1. OCCUPANT:

Interviewed: Y ☒ N

Last Name: _____ First Name: _____

Address: 79 Industrial Place

County: Orange

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ☐)

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential
Industrial

School
Church

Commercial/Multi-use
Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch
Raised Ranch
Cape Cod
Duplex
Modular

2-Family
Split Level
Contemporary
Apartment House
Log Home

3-Family
Colonial
Mobile Home
Townhouses/Condos
Other: _____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Fairbanks Manufacturing - Food packaging - popcorn

Does it include residences (i.e., multi-use)? Y / N If yes, how many? _____

Other characteristics:

Number of floors 1

Building age unknown

Is the building insulated? Y / N

How air tight? Tight / Average / Not Tight

↓ office
area

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

N/A

Airflow near source

Outdoor air infiltration

Infiltration into air ducts

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

- a. Above grade construction: wood frame concrete stone brick
- b. ^{1st Floor} Basement type: full crawlspace slab other _____
- c. ^{1st Floor} Basement floor: concrete dirt stone other _____
- d. ^{1st Floor} Basement floor: uncovered covered covered with _____
- e. Concrete floor: unsealed sealed sealed with _____
- f. Foundation walls: poured block stone other _____
- g. Foundation walls: unsealed sealed sealed with _____
- h. ^{1st Floor} The basement is: wet damp dry moldy
- i. ^{1st Floor} The basement is: finished unfinished partially finished
- j. Sump present? Y / N
- k. Water in sump? Y / N not applicable

Basement/Lowest level depth below grade: _____ (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

<u>Hot air circulation</u>	Heat pump	Hot water baseboard
Space Heaters	Stream radiation	Radiant floor
Electric baseboard	Wood stove	Outdoor wood boiler
		Other _____

The primary type of fuel used is: unknown

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: N/K

Boiler/furnace located in: Basement Outdoors Main Floor Other _____

Air conditioning: Central Air Window units Open Windows None

Are there air distribution ducts present? Y / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)

Basement Office space, Shop, warehouse, Storage

1st Floor _____

2nd Floor _____

3rd Floor _____

4th Floor _____

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage?

☒ N — Did Not Enter

b. Does the garage have a separate heating unit?

Y / N / NA

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car)

Y / N / NA

Please specify _____

d. Has the building ever had a fire?

Y / N When? u/k

e. Is a kerosene or unvented gas space heater present?

Y / N Where? u/k

f. Is there a workshop or hobby/craft area?

☒ N Where & Type? East side of bldg. Workshop.

g. Is there smoking in the building?

Y / ☒ N How frequently? _____

h. Have cleaning products been used recently?

Y / ☒ N When & Type? _____

i. Have cosmetic products been used recently?

Y / ☒ N When & Type? _____

- j. Has painting/staining been done in the last 6 months? Y / N Where & When? U/K
- k. Is there new carpet, drapes or other textiles? Y / N Where & When? _____
- l. Have air fresheners been used recently? Y / N When & Type? _____
- m. Is there a kitchen exhaust fan? Y / N If yes, where vented? _____
- n. Is there a bathroom exhaust fan? Y / N If yes, where vented? _____
- o. Is there a clothes dryer? Y ☒ N If yes, is it vented outside? Y / N
- p. Has there been a pesticide application? Y / N When & Type? _____

Are there odors in the building? Y / N

If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / N

(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

If yes, what types of solvents are used? Manufacturing equip. maintenance / Vehicle maintenance

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly)

Yes, use dry-cleaning infrequently (monthly or less)

Yes, work at a dry-cleaning service

☒ No

Unknown

Is there a radon mitigation system for the building/structure? Y / ☒ N Date of Installation: _____

Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: ☒ Public Water Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: ☒ Public Sewer Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: N/A

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

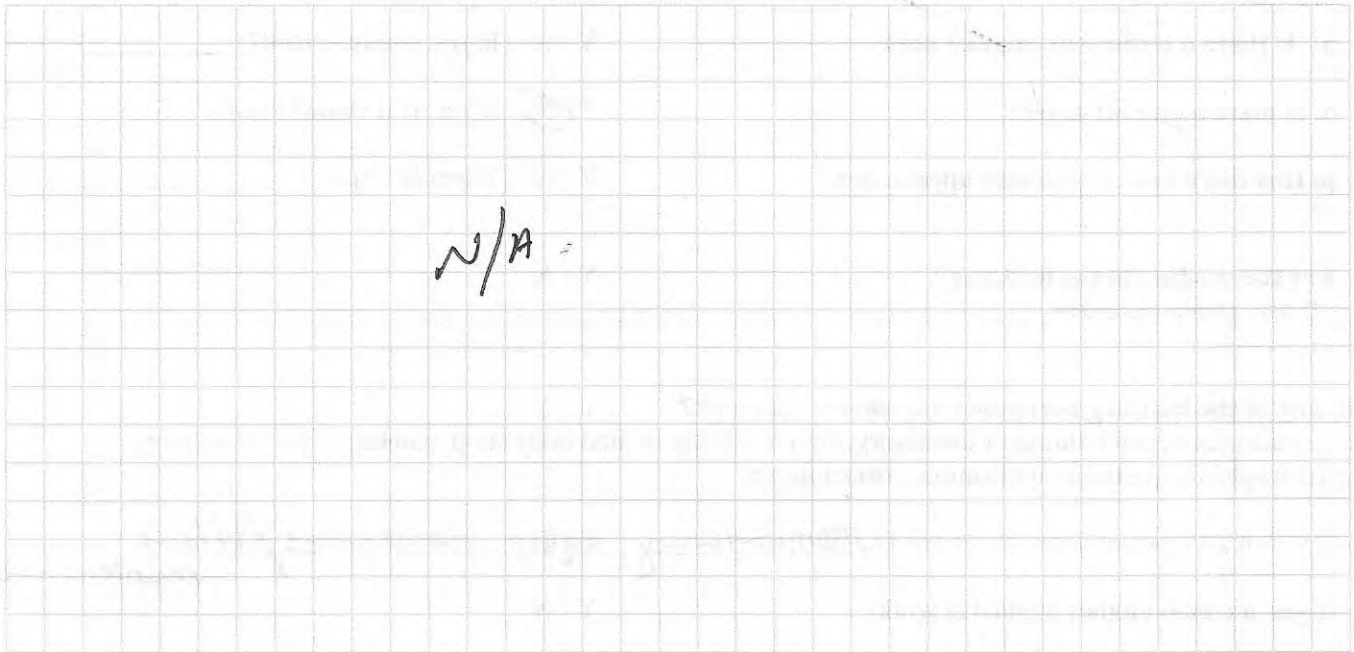
c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

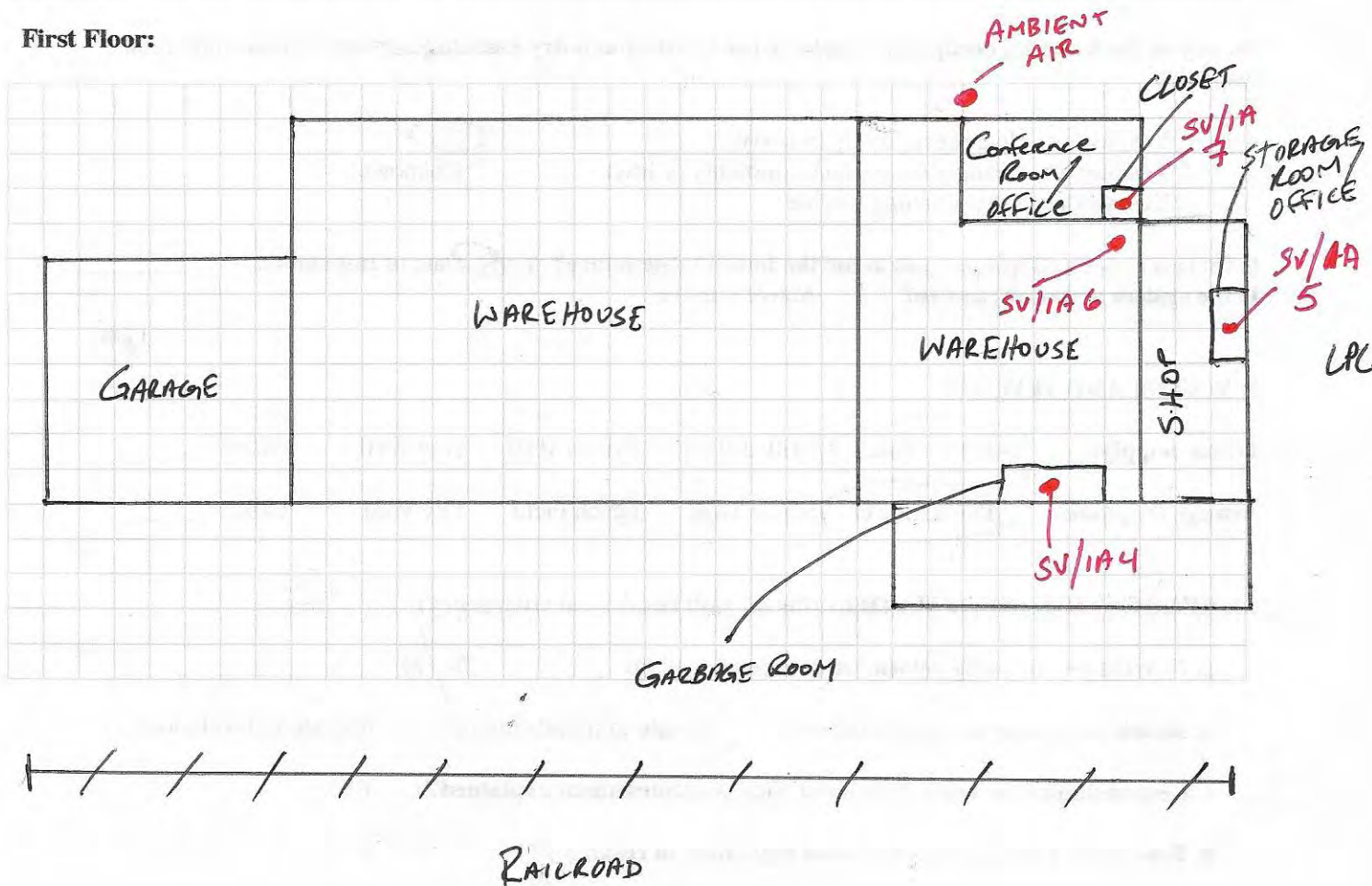
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



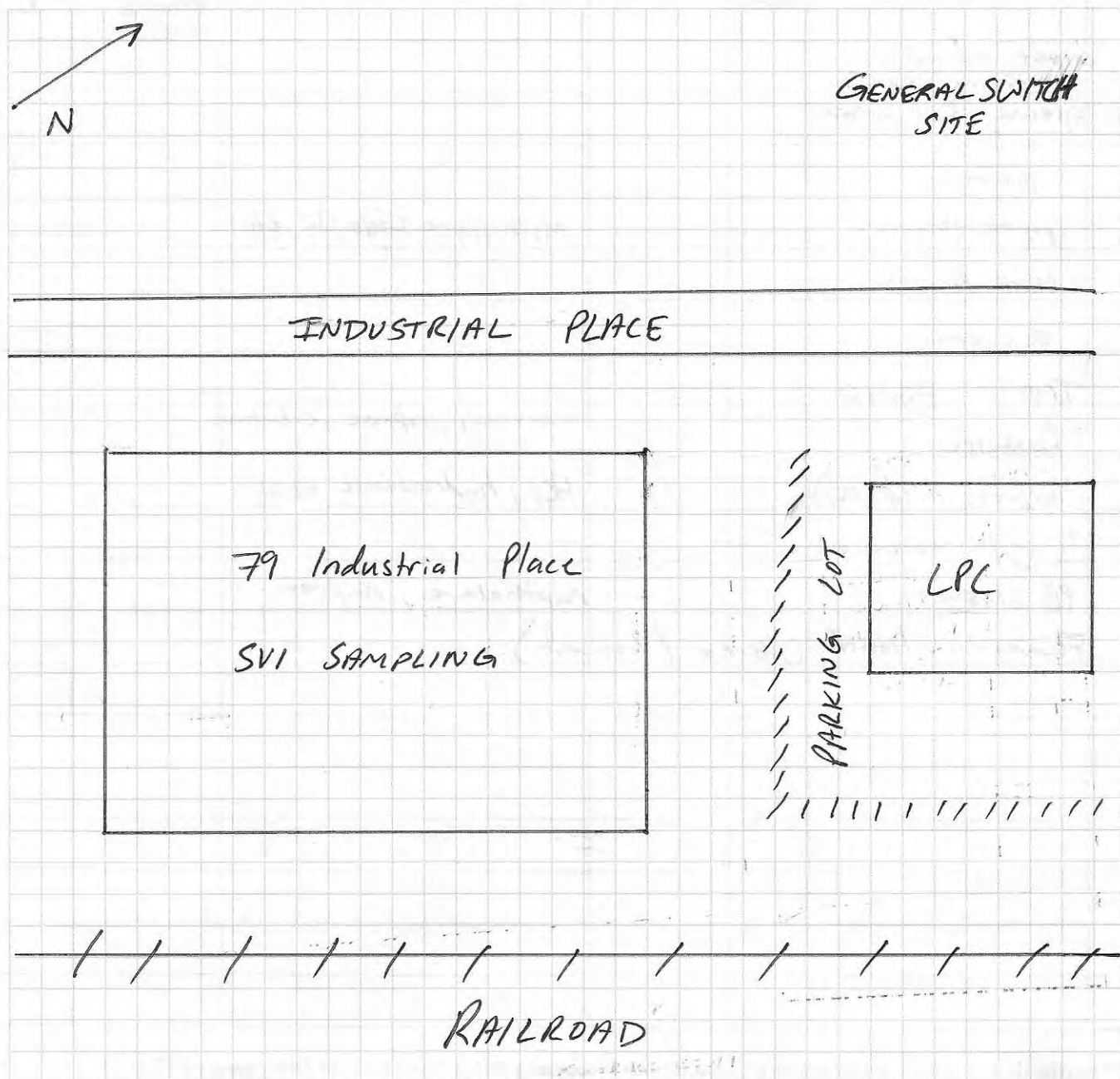
First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: MiniRAE 2000

List specific products found in the residence that have the potential to affect indoor air quality.

[illegible]

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

**** Photographs of the front and back of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.**

Attachment C

Laboratory Report

ANALYTICAL REPORT

Job Number: 200-52685-1

Job Description: Lubricant Packaging Corp Middletown NY

For:
CDM Smith, Inc.
11 British American Blvd
Suite 200
Latham, NY 12110
Attention: Amy Picunas



Approved for release.
Wyatt B Watson
Project Management Assistant I
2/28/2020 4:07 PM

Designee for
Becky C Mason, Project Manager II
10 Hazelwood Drive, Amherst, NY, 14228-2298
(413)572-4000
becky.mason@testamericainc.com
02/28/2020

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report.

TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NYDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Eurofins TestAmerica, Burlington

30 Community Drive, Suite 11, South Burlington, VT 05403

Tel (802) 660-1990 Fax (802) 660-1919 www.testamericainc.com

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Job Narrative
200-52685-1

Receipt

The samples were received on 2/18/2020 10:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice.

Receipt Exceptions

During the canister pressure check performed upon receipt, the following samples were found to be received at ambient pressure: 200-52685-6 and 200-52685-10. The associated flow controllers were evaluated and was found to be within the acceptable flow range as compared to the original set flow rate.

The Chain-of-Custody (COC) was improperly completed. The flow controller assets ID that was written on the COC was incorrect for the following samples: 200-52685-1 and 200-52685-10

Air Toxics

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

Sample Summary

Client: CDM Smith, Inc.

Job ID: 200-52685-1

Project/Site: Lubricant Packaging Corp Middletown NY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-52685-1	SS-SV-04-021420	Air	02/14/20 11:30	02/18/20 10:30	Air Canister (6-Liter) #6147
200-52685-2	IA-04-021420	Air	02/14/20 11:35	02/18/20 10:30	Air Canister (6-Liter) #5051
200-52685-3	SS-SV-06-021420	Air	02/14/20 10:45	02/18/20 10:30	Air Canister (6-Liter) #3543
200-52685-4	IA-06-021420	Air	02/14/20 10:50	02/18/20 10:30	Air Canister (6-Liter) #5040
200-52685-5	SS-SV-05-021420	Air	02/14/20 11:00	02/18/20 10:30	Air Canister (6-Liter) #5649
200-52685-6	IA-05-021420	Air	02/14/20 11:10	02/18/20 10:30	Air Canister (6-Liter) #4807
200-52685-7	SV-DUP-021420	Air	02/14/20 11:05	02/18/20 10:30	Air Canister (6-Liter) #5146
200-52685-8	SS-SV-07-021420	Air	02/14/20 10:10	02/18/20 10:30	Air Canister (6-Liter) #5115
200-52685-9	IA-07-021420	Air	02/14/20 10:35	02/18/20 10:30	Air Canister (6-Liter) #3352
200-52685-10	AA-03-021420	Air	02/14/20 09:50	02/18/20 10:30	Air Canister (6-Liter) #6311

Detection Summary

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SS-SV-04-021420

Lab Sample ID: 200-52685-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.39	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Freon 22	0.51		0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.50		0.50	0.11	ppb v/v	1		TO-15	Total/NA
n-Butane	4.2		0.50	0.11	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	0.061	J	0.20	0.057	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.25		0.20	0.060	ppb v/v	1		TO-15	Total/NA
Freon TF	0.056	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Acetone	13		5.0	1.2	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	77	E	5.0	0.48	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	11		5.0	0.038	ppb v/v	1		TO-15	Total/NA
n-Hexane	1.0		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	2.1		0.50	0.072	ppb v/v	1		TO-15	Total/NA
Chloroform	0.055	J	0.20	0.032	ppb v/v	1		TO-15	Total/NA
Tetrahydrofuran	0.10	J	5.0	0.066	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.054	J	0.20	0.036	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.67		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.055	J	0.060	0.024	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.58		0.20	0.041	ppb v/v	1		TO-15	Total/NA
Benzene	0.42		0.20	0.067	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.56		0.20	0.056	ppb v/v	1		TO-15	Total/NA
methyl isobutyl ketone	0.21	J	0.50	0.036	ppb v/v	1		TO-15	Total/NA
Toluene	2.7		0.20	0.11	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.063	J	0.20	0.033	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.50		0.20	0.063	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	1.8		0.50	0.10	ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.78		0.20	0.048	ppb v/v	1		TO-15	Total/NA
Xylene (total)	2.6		0.70	0.048	ppb v/v	1		TO-15	Total/NA
Styrene	0.053	J	0.20	0.040	ppb v/v	1		TO-15	Total/NA
Cumene	0.10	J	0.20	0.035	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.12	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.17	J	0.20	0.041	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.17	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.72		0.20	0.044	ppb v/v	1		TO-15	Total/NA
Dichlorodifluoromethane - DL	0.45	J	1.5	0.33	ppb v/v	2.99		TO-15	Total/NA
Freon 22 - DL	0.58	J	1.5	0.36	ppb v/v	2.99		TO-15	Total/NA
Chloromethane - DL	0.55	J	1.5	0.33	ppb v/v	2.99		TO-15	Total/NA
n-Butane - DL	4.2		1.5	0.33	ppb v/v	2.99		TO-15	Total/NA
Trichlorofluoromethane - DL	0.25	J	0.60	0.18	ppb v/v	2.99		TO-15	Total/NA
Acetone - DL	13	J	15	3.6	ppb v/v	2.99		TO-15	Total/NA
Isopropyl alcohol - DL	79		15	1.4	ppb v/v	2.99		TO-15	Total/NA
tert-Butyl alcohol - DL	11	J	15	0.11	ppb v/v	2.99		TO-15	Total/NA
n-Hexane - DL	1.0		0.60	0.60	ppb v/v	2.99		TO-15	Total/NA
Methyl Ethyl Ketone - DL	2.0		1.5	0.22	ppb v/v	2.99		TO-15	Total/NA
Cyclohexane - DL	0.64		0.60	0.14	ppb v/v	2.99		TO-15	Total/NA
2,2,4-Trimethylpentane - DL	0.57	J	0.60	0.12	ppb v/v	2.99		TO-15	Total/NA
Benzene - DL	0.43	J	0.60	0.20	ppb v/v	2.99		TO-15	Total/NA
n-Heptane - DL	0.55	J	0.60	0.17	ppb v/v	2.99		TO-15	Total/NA
Toluene - DL	2.7		0.60	0.33	ppb v/v	2.99		TO-15	Total/NA
Ethylbenzene - DL	0.50	J	0.60	0.19	ppb v/v	2.99		TO-15	Total/NA
m,p-Xylene - DL	1.8		1.5	0.30	ppb v/v	2.99		TO-15	Total/NA
Xylene, o- - DL	0.75		0.60	0.14	ppb v/v	2.99		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Burlington

Detection Summary

Client: CDM Smith, Inc.

Job ID: 200-52685-1

Project/Site: Lubricant Packaging Corp Middletown NY

Client Sample ID: SS-SV-04-021420 (Continued)

Lab Sample ID: 200-52685-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylene (total) - DL	2.6		2.1	0.14	ppb v/v	2.99		TO-15	Total/NA
n-Propylbenzene - DL	0.13	J	0.60	0.12	ppb v/v	2.99		TO-15	Total/NA
4-Ethyltoluene - DL	0.12	J	0.60	0.12	ppb v/v	2.99		TO-15	Total/NA
1,3,5-Trimethylbenzene - DL	0.18	J	0.60	0.12	ppb v/v	2.99		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	0.70		0.60	0.13	ppb v/v	2.99		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	1.9	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Freon 22	1.8		1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	1.0		1.0	0.23	ug/m3	1		TO-15	Total/NA
n-Butane	9.9		1.2	0.26	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	0.14	J	0.44	0.13	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.4		1.1	0.34	ug/m3	1		TO-15	Total/NA
Freon TF	0.43	J	1.5	0.29	ug/m3	1		TO-15	Total/NA
Acetone	30		12	2.9	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	190	E	12	1.2	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	34		15	0.12	ug/m3	1		TO-15	Total/NA
n-Hexane	3.7		0.70	0.70	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	6.2		1.5	0.21	ug/m3	1		TO-15	Total/NA
Chloroform	0.27	J	0.98	0.16	ug/m3	1		TO-15	Total/NA
Tetrahydrofuran	0.30	J	15	0.19	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.29	J	1.1	0.20	ug/m3	1		TO-15	Total/NA
Cyclohexane	2.3		0.69	0.16	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.34	J	0.38	0.15	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	2.7		0.93	0.19	ug/m3	1		TO-15	Total/NA
Benzene	1.3		0.64	0.21	ug/m3	1		TO-15	Total/NA
n-Heptane	2.3		0.82	0.23	ug/m3	1		TO-15	Total/NA
methyl isobutyl ketone	0.88	J	2.0	0.15	ug/m3	1		TO-15	Total/NA
Toluene	10		0.75	0.41	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	0.43	J	1.4	0.22	ug/m3	1		TO-15	Total/NA
Ethylbenzene	2.2		0.87	0.27	ug/m3	1		TO-15	Total/NA
m,p-Xylene	8.0		2.2	0.43	ug/m3	1		TO-15	Total/NA
Xylene, o-	3.4		0.87	0.21	ug/m3	1		TO-15	Total/NA
Xylene (total)	11		3.0	0.21	ug/m3	1		TO-15	Total/NA
Styrene	0.22	J	0.85	0.17	ug/m3	1		TO-15	Total/NA
Cumene	0.50	J	0.98	0.17	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.58	J	0.98	0.19	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	0.83	J	0.98	0.20	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.84	J	0.98	0.19	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	3.5		0.98	0.22	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane - DL	2.2	J	7.4	1.6	ug/m3	2.99		TO-15	Total/NA
Freon 22 - DL	2.1	J	5.3	1.3	ug/m3	2.99		TO-15	Total/NA
Chloromethane - DL	1.1	J	3.1	0.68	ug/m3	2.99		TO-15	Total/NA
n-Butane - DL	10		3.6	0.78	ug/m3	2.99		TO-15	Total/NA
Trichlorofluoromethane - DL	1.4	J	3.4	1.0	ug/m3	2.99		TO-15	Total/NA
Acetone - DL	30	J	36	8.5	ug/m3	2.99		TO-15	Total/NA
Isopropyl alcohol - DL	190		37	3.5	ug/m3	2.99		TO-15	Total/NA
tert-Butyl alcohol - DL	33	J	45	0.34	ug/m3	2.99		TO-15	Total/NA
n-Hexane - DL	3.6		2.1	2.1	ug/m3	2.99		TO-15	Total/NA
Methyl Ethyl Ketone - DL	5.8		4.4	0.63	ug/m3	2.99		TO-15	Total/NA
Cyclohexane - DL	2.2		2.1	0.47	ug/m3	2.99		TO-15	Total/NA
2,2,4-Trimethylpentane - DL	2.7	J	2.8	0.57	ug/m3	2.99		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Burlington

Detection Summary

Client: CDM Smith, Inc.

Job ID: 200-52685-1

Project/Site: Lubricant Packaging Corp Middletown NY

Client Sample ID: SS-SV-04-021420 (Continued)

Lab Sample ID: 200-52685-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene - DL	1.4	J	1.9	0.64	ug/m3	2.99		TO-15	Total/NA
n-Heptane - DL	2.3	J	2.5	0.69	ug/m3	2.99		TO-15	Total/NA
Toluene - DL	10		2.3	1.2	ug/m3	2.99		TO-15	Total/NA
Ethylbenzene - DL	2.2	J	2.6	0.82	ug/m3	2.99		TO-15	Total/NA
m,p-Xylene - DL	7.8		6.5	1.3	ug/m3	2.99		TO-15	Total/NA
Xylene, o- - DL	3.3		2.6	0.62	ug/m3	2.99		TO-15	Total/NA
Xylene (total) - DL	11		9.1	0.62	ug/m3	2.99		TO-15	Total/NA
n-Propylbenzene - DL	0.64	J	2.9	0.57	ug/m3	2.99		TO-15	Total/NA
4-Ethyltoluene - DL	0.61	J	2.9	0.60	ug/m3	2.99		TO-15	Total/NA
1,3,5-Trimethylbenzene - DL	0.91	J	2.9	0.57	ug/m3	2.99		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	3.4		2.9	0.65	ug/m3	2.99		TO-15	Total/NA

Client Sample ID: IA-04-021420

Lab Sample ID: 200-52685-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.21	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Freon 22	0.18	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.32	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
n-Butane	0.57		0.50	0.11	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.099	J	0.20	0.060	ppb v/v	1		TO-15	Total/NA
Acetone	4.2	J	5.0	1.2	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	4.4	J	5.0	0.48	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	0.44	J	5.0	0.038	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	2.2		0.50	0.072	ppb v/v	1		TO-15	Total/NA
Chloroform	0.032	J	0.20	0.032	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.17	J	0.20	0.046	ppb v/v	1		TO-15	Total/NA
Benzene	0.085	J	0.20	0.067	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.094	J	0.20	0.056	ppb v/v	1		TO-15	Total/NA
1,4-Dioxane	0.088	J	5.0	0.084	ppb v/v	1		TO-15	Total/NA
Toluene	0.41		0.20	0.11	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.17	J	0.50	0.10	ppb v/v	1		TO-15	Total/NA
Xylene (total)	0.17	J	0.70	0.048	ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	1.0	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Freon 22	0.64	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	0.65	J	1.0	0.23	ug/m3	1		TO-15	Total/NA
n-Butane	1.4		1.2	0.26	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	0.55	J	1.1	0.34	ug/m3	1		TO-15	Total/NA
Acetone	9.9	J	12	2.9	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	11	J	12	1.2	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	1.3	J	15	0.12	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	6.5		1.5	0.21	ug/m3	1		TO-15	Total/NA
Chloroform	0.16	J	0.98	0.16	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.60	J	0.69	0.16	ug/m3	1		TO-15	Total/NA
Benzene	0.27	J	0.64	0.21	ug/m3	1		TO-15	Total/NA
n-Heptane	0.39	J	0.82	0.23	ug/m3	1		TO-15	Total/NA
1,4-Dioxane	0.32	J	18	0.30	ug/m3	1		TO-15	Total/NA
Toluene	1.5		0.75	0.41	ug/m3	1		TO-15	Total/NA
m,p-Xylene	0.75	J	2.2	0.43	ug/m3	1		TO-15	Total/NA
Xylene (total)	0.74	J	3.0	0.21	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Burlington

Detection Summary

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SS-SV-06-021420

Lab Sample ID: 200-52685-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.37	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Freon 22	1.3		0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.48	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
n-Butane	1.4		0.50	0.11	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	0.14	J	0.20	0.057	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.20		0.20	0.060	ppb v/v	1		TO-15	Total/NA
Freon TF	0.054	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Acetone	6.9		5.0	1.2	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	5.5		5.0	0.48	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	0.28	J	5.0	0.038	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	1.5		0.50	0.072	ppb v/v	1		TO-15	Total/NA
Chloroform	0.052	J	0.20	0.032	ppb v/v	1		TO-15	Total/NA
Tetrahydrofuran	0.090	J	5.0	0.066	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.22		0.20	0.036	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.20		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.053	J	0.060	0.024	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.046	J	0.20	0.041	ppb v/v	1		TO-15	Total/NA
Benzene	0.18	J	0.20	0.067	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.14	J	0.20	0.056	ppb v/v	1		TO-15	Total/NA
Toluene	0.50		0.20	0.11	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.038	J	0.20	0.033	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.11	J	0.20	0.063	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.35	J	0.50	0.10	ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.11	J	0.20	0.048	ppb v/v	1		TO-15	Total/NA
Xylene (total)	0.46	J	0.70	0.048	ppb v/v	1		TO-15	Total/NA
Styrene	0.040	J	0.20	0.040	ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	1.8	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Freon 22	4.5		1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	0.99	J	1.0	0.23	ug/m3	1		TO-15	Total/NA
n-Butane	3.3		1.2	0.26	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	0.32	J	0.44	0.13	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.1		1.1	0.34	ug/m3	1		TO-15	Total/NA
Freon TF	0.41	J	1.5	0.29	ug/m3	1		TO-15	Total/NA
Acetone	16		12	2.9	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	14		12	1.2	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	0.85	J	15	0.12	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	4.4		1.5	0.21	ug/m3	1		TO-15	Total/NA
Chloroform	0.25	J	0.98	0.16	ug/m3	1		TO-15	Total/NA
Tetrahydrofuran	0.26	J	15	0.19	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	1.2		1.1	0.20	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.67		0.69	0.16	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.33	J	0.38	0.15	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.22	J	0.93	0.19	ug/m3	1		TO-15	Total/NA
Benzene	0.57	J	0.64	0.21	ug/m3	1		TO-15	Total/NA
n-Heptane	0.57	J	0.82	0.23	ug/m3	1		TO-15	Total/NA
Toluene	1.9		0.75	0.41	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	0.25	J	1.4	0.22	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.46	J	0.87	0.27	ug/m3	1		TO-15	Total/NA
m,p-Xylene	1.5	J	2.2	0.43	ug/m3	1		TO-15	Total/NA
Xylene, o-	0.49	J	0.87	0.21	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Burlington

Detection Summary

Client: CDM Smith, Inc.

Job ID: 200-52685-1

Project/Site: Lubricant Packaging Corp Middletown NY

Client Sample ID: SS-SV-06-021420 (Continued)

Lab Sample ID: 200-52685-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylene (total)	2.0	J	3.0	0.21	ug/m3	1		TO-15	Total/NA
Styrene	0.17	J	0.85	0.17	ug/m3	1		TO-15	Total/NA

Client Sample ID: IA-06-021420

Lab Sample ID: 200-52685-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.34	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Freon 22	0.31	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.72		0.50	0.11	ppb v/v	1		TO-15	Total/NA
n-Butane	1.4		0.50	0.11	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	0.23		0.20	0.057	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.21		0.20	0.060	ppb v/v	1		TO-15	Total/NA
Freon TF	0.055	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Acetone	10		5.0	1.2	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	13		5.0	0.48	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.50		0.50	0.074	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	0.87	J	5.0	0.038	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	4.7		0.50	0.072	ppb v/v	1		TO-15	Total/NA
Chloroform	0.069	J	0.20	0.032	ppb v/v	1		TO-15	Total/NA
Tetrahydrofuran	0.30	J	5.0	0.066	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.39		0.20	0.036	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.28		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.058	J	0.060	0.024	ppb v/v	1		TO-15	Total/NA
Benzene	0.19	J	0.20	0.067	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.21		0.20	0.056	ppb v/v	1		TO-15	Total/NA
Toluene	0.53		0.20	0.11	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.034	J	0.20	0.033	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.099	J	0.20	0.063	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.36	J	0.50	0.10	ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.099	J	0.20	0.048	ppb v/v	1		TO-15	Total/NA
Xylene (total)	0.46	J	0.70	0.048	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	1.7	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Freon 22	1.1	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	1.5		1.0	0.23	ug/m3	1		TO-15	Total/NA
n-Butane	3.4		1.2	0.26	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	0.50		0.44	0.13	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.2		1.1	0.34	ug/m3	1		TO-15	Total/NA
Freon TF	0.42	J	1.5	0.29	ug/m3	1		TO-15	Total/NA
Acetone	25		12	2.9	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	32		12	1.2	ug/m3	1		TO-15	Total/NA
Carbon disulfide	1.6		1.6	0.23	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	2.6	J	15	0.12	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	14		1.5	0.21	ug/m3	1		TO-15	Total/NA
Chloroform	0.34	J	0.98	0.16	ug/m3	1		TO-15	Total/NA
Tetrahydrofuran	0.89	J	15	0.19	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	2.2		1.1	0.20	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.98		0.69	0.16	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.36	J	0.38	0.15	ug/m3	1		TO-15	Total/NA
Benzene	0.61	J	0.64	0.21	ug/m3	1		TO-15	Total/NA
n-Heptane	0.86		0.82	0.23	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Burlington

Detection Summary

Client: CDM Smith, Inc.

Job ID: 200-52685-1

Project/Site: Lubricant Packaging Corp Middletown NY

Client Sample ID: IA-06-021420 (Continued)

Lab Sample ID: 200-52685-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	2.0		0.75	0.41	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	0.23	J	1.4	0.22	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.43	J	0.87	0.27	ug/m3	1		TO-15	Total/NA
m,p-Xylene	1.6	J	2.2	0.43	ug/m3	1		TO-15	Total/NA
Xylene, o-	0.43	J	0.87	0.21	ug/m3	1		TO-15	Total/NA
Xylene (total)	2.0	J	3.0	0.21	ug/m3	1		TO-15	Total/NA

Client Sample ID: SS-SV-05-021420

Lab Sample ID: 200-52685-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.53		0.50	0.11	ppb v/v	1		TO-15	Total/NA
Freon 22	0.49	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.59		0.50	0.11	ppb v/v	1		TO-15	Total/NA
n-Butane	13		0.50	0.11	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	0.38		0.20	0.057	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.23		0.20	0.060	ppb v/v	1		TO-15	Total/NA
Freon TF	0.065	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Acetone	46	E	5.0	1.2	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	480	E	5.0	0.48	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	1.6		0.50	0.074	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	1.7		0.50	0.27	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	0.73	J	5.0	0.038	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.90		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	0.42	J	0.50	0.072	ppb v/v	1		TO-15	Total/NA
Chloroform	0.078	J	0.20	0.032	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.12	J	0.20	0.036	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.34		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.068		0.060	0.024	ppb v/v	1		TO-15	Total/NA
Benzene	0.19	J	0.20	0.067	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.077	J	0.20	0.056	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.21		0.060	0.035	ppb v/v	1		TO-15	Total/NA
Toluene	0.82		0.20	0.11	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.93		0.20	0.033	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.18	J	0.20	0.063	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.57		0.50	0.10	ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.12	J	0.20	0.048	ppb v/v	1		TO-15	Total/NA
Xylene (total)	0.69	J	0.70	0.048	ppb v/v	1		TO-15	Total/NA
n-Butane - DL	13		10	2.2	ppb v/v	20		TO-15	Total/NA
Acetone - DL	44	J	100	24	ppb v/v	20		TO-15	Total/NA
Isopropyl alcohol - DL	540		100	9.6	ppb v/v	20		TO-15	Total/NA
Carbon disulfide - DL	1.6	J	10	1.5	ppb v/v	20		TO-15	Total/NA
Tetrachloroethene - DL	0.76	J	4.0	0.66	ppb v/v	20		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.6		2.5	0.54	ug/m3	1		TO-15	Total/NA
Freon 22	1.7	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	1.2		1.0	0.23	ug/m3	1		TO-15	Total/NA
n-Butane	31		1.2	0.26	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	0.85		0.44	0.13	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.3		1.1	0.34	ug/m3	1		TO-15	Total/NA
Freon TF	0.50	J	1.5	0.29	ug/m3	1		TO-15	Total/NA
Acetone	110	E	12	2.9	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Burlington

Detection Summary

Client: CDM Smith, Inc.

Job ID: 200-52685-1

Project/Site: Lubricant Packaging Corp Middletown NY

Client Sample ID: SS-SV-05-021420 (Continued)

Lab Sample ID: 200-52685-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Isopropyl alcohol	1200	E	12	1.2	ug/m3	1		TO-15	Total/NA
Carbon disulfide	5.1		1.6	0.23	ug/m3	1		TO-15	Total/NA
Methylene Chloride	6.0		1.7	0.94	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	2.2	J	15	0.12	ug/m3	1		TO-15	Total/NA
n-Hexane	3.2		0.70	0.70	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	1.2	J	1.5	0.21	ug/m3	1		TO-15	Total/NA
Chloroform	0.38	J	0.98	0.16	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.67	J	1.1	0.20	ug/m3	1		TO-15	Total/NA
Cyclohexane	1.2		0.69	0.16	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.43		0.38	0.15	ug/m3	1		TO-15	Total/NA
Benzene	0.62	J	0.64	0.21	ug/m3	1		TO-15	Total/NA
n-Heptane	0.32	J	0.82	0.23	ug/m3	1		TO-15	Total/NA
Trichloroethene	1.1		0.32	0.19	ug/m3	1		TO-15	Total/NA
Toluene	3.1		0.75	0.41	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	6.3		1.4	0.22	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.77	J	0.87	0.27	ug/m3	1		TO-15	Total/NA
m,p-Xylene	2.5		2.2	0.43	ug/m3	1		TO-15	Total/NA
Xylene, o-	0.54	J	0.87	0.21	ug/m3	1		TO-15	Total/NA
Xylene (total)	3.0	J	3.0	0.21	ug/m3	1		TO-15	Total/NA
n-Butane - DL	31		24	5.2	ug/m3	20		TO-15	Total/NA
Acetone - DL	100	J	240	57	ug/m3	20		TO-15	Total/NA
Isopropyl alcohol - DL	1300		250	24	ug/m3	20		TO-15	Total/NA
Carbon disulfide - DL	4.9	J	31	4.6	ug/m3	20		TO-15	Total/NA
Tetrachloroethene - DL	5.1	J	27	4.5	ug/m3	20		TO-15	Total/NA

Client Sample ID: IA-05-021420

Lab Sample ID: 200-52685-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.42	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Freon 22	0.61		0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.58		0.50	0.11	ppb v/v	1		TO-15	Total/NA
n-Butane	16		0.50	0.11	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	0.60		0.20	0.057	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.20		0.20	0.060	ppb v/v	1		TO-15	Total/NA
Freon TF	0.059	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Acetone	31		5.0	1.2	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	910	E	5.0	0.48	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.099	J	0.50	0.074	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	0.21	J	5.0	0.038	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.23		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	0.64		0.50	0.072	ppb v/v	1		TO-15	Total/NA
Chloroform	0.083	J	0.20	0.032	ppb v/v	1		TO-15	Total/NA
Tetrahydrofuran	0.66	J	5.0	0.066	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.18	J	0.20	0.036	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.48		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.052	J	0.060	0.024	ppb v/v	1		TO-15	Total/NA
Benzene	0.25		0.20	0.067	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.14	J	0.20	0.056	ppb v/v	1		TO-15	Total/NA
Toluene	1.2		0.20	0.11	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.67		0.20	0.033	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.31		0.20	0.063	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Burlington

Detection Summary

Client: CDM Smith, Inc.

Job ID: 200-52685-1

Project/Site: Lubricant Packaging Corp Middletown NY

Client Sample ID: IA-05-021420 (Continued)

Lab Sample ID: 200-52685-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m,p-Xylene	1.2		0.50	0.10	ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.34		0.20	0.048	ppb v/v	1		TO-15	Total/NA
Xylene (total)	1.5		0.70	0.048	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.070	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
n-Butane - DL	45	J	190	41	ppb v/v	371		TO-15	Total/NA
Isopropyl alcohol - DL	2200		1900	180	ppb v/v	371		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.1	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Freon 22	2.2		1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	1.2		1.0	0.23	ug/m3	1		TO-15	Total/NA
n-Butane	39		1.2	0.26	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	1.3		0.44	0.13	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.1		1.1	0.34	ug/m3	1		TO-15	Total/NA
Freon TF	0.45	J	1.5	0.29	ug/m3	1		TO-15	Total/NA
Acetone	73		12	2.9	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	2200	E	12	1.2	ug/m3	1		TO-15	Total/NA
Carbon disulfide	0.31	J	1.6	0.23	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	0.62	J	15	0.12	ug/m3	1		TO-15	Total/NA
n-Hexane	0.82		0.70	0.70	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	1.9		1.5	0.21	ug/m3	1		TO-15	Total/NA
Chloroform	0.41	J	0.98	0.16	ug/m3	1		TO-15	Total/NA
Tetrahydrofuran	2.0	J	15	0.19	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.98	J	1.1	0.20	ug/m3	1		TO-15	Total/NA
Cyclohexane	1.7		0.69	0.16	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.33	J	0.38	0.15	ug/m3	1		TO-15	Total/NA
Benzene	0.78		0.64	0.21	ug/m3	1		TO-15	Total/NA
n-Heptane	0.55	J	0.82	0.23	ug/m3	1		TO-15	Total/NA
Toluene	4.7		0.75	0.41	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	4.6		1.4	0.22	ug/m3	1		TO-15	Total/NA
Ethylbenzene	1.3		0.87	0.27	ug/m3	1		TO-15	Total/NA
m,p-Xylene	5.2		2.2	0.43	ug/m3	1		TO-15	Total/NA
Xylene, o-	1.5		0.87	0.21	ug/m3	1		TO-15	Total/NA
Xylene (total)	6.7		3.0	0.21	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.34	J	0.98	0.22	ug/m3	1		TO-15	Total/NA
n-Butane - DL	110	J	440	97	ug/m3	371		TO-15	Total/NA
Isopropyl alcohol - DL	5300		4600	440	ug/m3	371		TO-15	Total/NA

Client Sample ID: SV-DUP-021420

Lab Sample ID: 200-52685-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.49	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Freon 22	0.37	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	1.8		0.50	0.11	ppb v/v	1		TO-15	Total/NA
n-Butane	16		0.50	0.11	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	0.51		0.20	0.057	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.22		0.20	0.060	ppb v/v	1		TO-15	Total/NA
Freon TF	0.057	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Acetone	59	E	5.0	1.2	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	530	E	5.0	0.48	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.077	J	0.50	0.074	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	1.1	J	5.0	0.038	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Burlington

Detection Summary

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SV-DUP-021420 (Continued)

Lab Sample ID: 200-52685-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Methyl Ethyl Ketone	0.36	J	0.50	0.072	ppb v/v	1			TO-15	Total/NA
Chloroform	0.095	J	0.20	0.032	ppb v/v	1			TO-15	Total/NA
1,1,1-Trichloroethane	0.17	J	0.20	0.036	ppb v/v	1			TO-15	Total/NA
Cyclohexane	0.39		0.20	0.046	ppb v/v	1			TO-15	Total/NA
Carbon tetrachloride	0.071		0.060	0.024	ppb v/v	1			TO-15	Total/NA
Benzene	0.21		0.20	0.067	ppb v/v	1			TO-15	Total/NA
n-Heptane	0.074	J	0.20	0.056	ppb v/v	1			TO-15	Total/NA
Toluene	1.1		0.20	0.11	ppb v/v	1			TO-15	Total/NA
Tetrachloroethene	1.1		0.20	0.033	ppb v/v	1			TO-15	Total/NA
Ethylbenzene	0.23		0.20	0.063	ppb v/v	1			TO-15	Total/NA
m,p-Xylene	1.0		0.50	0.10	ppb v/v	1			TO-15	Total/NA
Xylene, o-	0.22		0.20	0.048	ppb v/v	1			TO-15	Total/NA
Xylene (total)	1.2		0.70	0.048	ppb v/v	1			TO-15	Total/NA
1,2,4-Trimethylbenzene	0.044	J	0.20	0.044	ppb v/v	1			TO-15	Total/NA
n-Butane - DL	15		10	2.2	ppb v/v	20			TO-15	Total/NA
Acetone - DL	65	J	100	24	ppb v/v	20			TO-15	Total/NA
Isopropyl alcohol - DL	620		100	9.6	ppb v/v	20			TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.4	J	2.5	0.54	ug/m3	1			TO-15	Total/NA
Freon 22	1.3	J	1.8	0.42	ug/m3	1			TO-15	Total/NA
Chloromethane	3.7		1.0	0.23	ug/m3	1			TO-15	Total/NA
n-Butane	37		1.2	0.26	ug/m3	1			TO-15	Total/NA
1,3-Butadiene	1.1		0.44	0.13	ug/m3	1			TO-15	Total/NA
Trichlorofluoromethane	1.3		1.1	0.34	ug/m3	1			TO-15	Total/NA
Freon TF	0.44	J	1.5	0.29	ug/m3	1			TO-15	Total/NA
Acetone	140	E	12	2.9	ug/m3	1			TO-15	Total/NA
Isopropyl alcohol	1300	E	12	1.2	ug/m3	1			TO-15	Total/NA
Carbon disulfide	0.24	J	1.6	0.23	ug/m3	1			TO-15	Total/NA
tert-Butyl alcohol	3.3	J	15	0.12	ug/m3	1			TO-15	Total/NA
Methyl Ethyl Ketone	1.1	J	1.5	0.21	ug/m3	1			TO-15	Total/NA
Chloroform	0.46	J	0.98	0.16	ug/m3	1			TO-15	Total/NA
1,1,1-Trichloroethane	0.93	J	1.1	0.20	ug/m3	1			TO-15	Total/NA
Cyclohexane	1.3		0.69	0.16	ug/m3	1			TO-15	Total/NA
Carbon tetrachloride	0.45		0.38	0.15	ug/m3	1			TO-15	Total/NA
Benzene	0.67		0.64	0.21	ug/m3	1			TO-15	Total/NA
n-Heptane	0.30	J	0.82	0.23	ug/m3	1			TO-15	Total/NA
Toluene	4.1		0.75	0.41	ug/m3	1			TO-15	Total/NA
Tetrachloroethene	7.3		1.4	0.22	ug/m3	1			TO-15	Total/NA
Ethylbenzene	0.99		0.87	0.27	ug/m3	1			TO-15	Total/NA
m,p-Xylene	4.4		2.2	0.43	ug/m3	1			TO-15	Total/NA
Xylene, o-	0.95		0.87	0.21	ug/m3	1			TO-15	Total/NA
Xylene (total)	5.3		3.0	0.21	ug/m3	1			TO-15	Total/NA
1,2,4-Trimethylbenzene	0.21	J	0.98	0.22	ug/m3	1			TO-15	Total/NA
n-Butane - DL	37		24	5.2	ug/m3	20			TO-15	Total/NA
Acetone - DL	150	J	240	57	ug/m3	20			TO-15	Total/NA
Isopropyl alcohol - DL	1500		250	24	ug/m3	20			TO-15	Total/NA

Client Sample ID: SS-SV-07-021420

Lab Sample ID: 200-52685-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.50		0.50	0.11	ppb v/v	1			TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Burlington

Detection Summary

Client: CDM Smith, Inc.

Job ID: 200-52685-1

Project/Site: Lubricant Packaging Corp Middletown NY

Client Sample ID: SS-SV-07-021420 (Continued)

Lab Sample ID: 200-52685-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Freon 22	0.55		0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.60		0.50	0.11	ppb v/v	1		TO-15	Total/NA
n-Butane	6.9		0.50	0.11	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.23		0.20	0.060	ppb v/v	1		TO-15	Total/NA
Freon TF	0.065	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Acetone	5.3		5.0	1.2	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	5.9		5.0	0.48	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	0.19	J	5.0	0.038	ppb v/v	1		TO-15	Total/NA
trans-1,2-Dichloroethene	0.45		0.20	0.042	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	0.78		0.50	0.072	ppb v/v	1		TO-15	Total/NA
1,2-Dichloroethene, Total	0.45		0.40	0.042	ppb v/v	1		TO-15	Total/NA
Chloroform	0.036	J	0.20	0.032	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.046	J	0.20	0.046	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.068		0.060	0.024	ppb v/v	1		TO-15	Total/NA
Benzene	0.14	J	0.20	0.067	ppb v/v	1		TO-15	Total/NA
Toluene	0.36		0.20	0.11	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.083	J	0.20	0.063	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.23	J	0.50	0.10	ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.061	J	0.20	0.048	ppb v/v	1		TO-15	Total/NA
Xylene (total)	0.29	J	0.70	0.048	ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.4		2.5	0.54	ug/m3	1		TO-15	Total/NA
Freon 22	1.9		1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	1.2		1.0	0.23	ug/m3	1		TO-15	Total/NA
n-Butane	16		1.2	0.26	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.3		1.1	0.34	ug/m3	1		TO-15	Total/NA
Freon TF	0.49	J	1.5	0.29	ug/m3	1		TO-15	Total/NA
Acetone	13		12	2.9	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	15		12	1.2	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	0.57	J	15	0.12	ug/m3	1		TO-15	Total/NA
trans-1,2-Dichloroethene	1.8		0.79	0.17	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	2.3		1.5	0.21	ug/m3	1		TO-15	Total/NA
1,2-Dichloroethene, Total	1.8		1.6	0.17	ug/m3	1		TO-15	Total/NA
Chloroform	0.17	J	0.98	0.16	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.16	J	0.69	0.16	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.43		0.38	0.15	ug/m3	1		TO-15	Total/NA
Benzene	0.46	J	0.64	0.21	ug/m3	1		TO-15	Total/NA
Toluene	1.3		0.75	0.41	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.36	J	0.87	0.27	ug/m3	1		TO-15	Total/NA
m,p-Xylene	0.99	J	2.2	0.43	ug/m3	1		TO-15	Total/NA
Xylene, o-	0.26	J	0.87	0.21	ug/m3	1		TO-15	Total/NA
Xylene (total)	1.3	J	3.0	0.21	ug/m3	1		TO-15	Total/NA

Client Sample ID: IA-07-021420

Lab Sample ID: 200-52685-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.47	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Freon 22	0.36	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.63		0.50	0.11	ppb v/v	1		TO-15	Total/NA
n-Butane	6.6		0.50	0.11	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.22		0.20	0.060	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Burlington

Detection Summary

Client: CDM Smith, Inc.

Job ID: 200-52685-1

Project/Site: Lubricant Packaging Corp Middletown NY

Client Sample ID: IA-07-021420 (Continued)

Lab Sample ID: 200-52685-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Freon TF	0.064	J	0.20	0.038	ppb v/v	1			TO-15	Total/NA
Acetone	3.3	J	5.0	1.2	ppb v/v	1			TO-15	Total/NA
Isopropyl alcohol	5.4		5.0	0.48	ppb v/v	1			TO-15	Total/NA
Carbon disulfide	0.085	J	0.50	0.074	ppb v/v	1			TO-15	Total/NA
tert-Butyl alcohol	0.083	J	5.0	0.038	ppb v/v	1			TO-15	Total/NA
trans-1,2-Dichloroethene	0.42		0.20	0.042	ppb v/v	1			TO-15	Total/NA
Methyl Ethyl Ketone	0.88		0.50	0.072	ppb v/v	1			TO-15	Total/NA
1,2-Dichloroethene, Total	0.42		0.40	0.042	ppb v/v	1			TO-15	Total/NA
Chloroform	0.038	J	0.20	0.032	ppb v/v	1			TO-15	Total/NA
Carbon tetrachloride	0.054	J	0.060	0.024	ppb v/v	1			TO-15	Total/NA
Benzene	0.14	J	0.20	0.067	ppb v/v	1			TO-15	Total/NA
Toluene	0.32		0.20	0.11	ppb v/v	1			TO-15	Total/NA
m,p-Xylene	0.14	J	0.50	0.10	ppb v/v	1			TO-15	Total/NA
Xylene (total)	0.14	J	0.70	0.048	ppb v/v	1			TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.3	J	2.5	0.54	ug/m3	1			TO-15	Total/NA
Freon 22	1.3	J	1.8	0.42	ug/m3	1			TO-15	Total/NA
Chloromethane	1.3		1.0	0.23	ug/m3	1			TO-15	Total/NA
n-Butane	16		1.2	0.26	ug/m3	1			TO-15	Total/NA
Trichlorofluoromethane	1.2		1.1	0.34	ug/m3	1			TO-15	Total/NA
Freon TF	0.49	J	1.5	0.29	ug/m3	1			TO-15	Total/NA
Acetone	7.8	J	12	2.9	ug/m3	1			TO-15	Total/NA
Isopropyl alcohol	13		12	1.2	ug/m3	1			TO-15	Total/NA
Carbon disulfide	0.27	J	1.6	0.23	ug/m3	1			TO-15	Total/NA
tert-Butyl alcohol	0.25	J	15	0.12	ug/m3	1			TO-15	Total/NA
trans-1,2-Dichloroethene	1.7		0.79	0.17	ug/m3	1			TO-15	Total/NA
Methyl Ethyl Ketone	2.6		1.5	0.21	ug/m3	1			TO-15	Total/NA
1,2-Dichloroethene, Total	1.7		1.6	0.17	ug/m3	1			TO-15	Total/NA
Chloroform	0.18	J	0.98	0.16	ug/m3	1			TO-15	Total/NA
Carbon tetrachloride	0.34	J	0.38	0.15	ug/m3	1			TO-15	Total/NA
Benzene	0.44	J	0.64	0.21	ug/m3	1			TO-15	Total/NA
Toluene	1.2		0.75	0.41	ug/m3	1			TO-15	Total/NA
m,p-Xylene	0.61	J	2.2	0.43	ug/m3	1			TO-15	Total/NA
Xylene (total)	0.61	J	3.0	0.21	ug/m3	1			TO-15	Total/NA

Client Sample ID: AA-03-021420

Lab Sample ID: 200-52685-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.55		0.50	0.11	ppb v/v	1			TO-15	Total/NA
Freon 22	0.42	J	0.50	0.12	ppb v/v	1			TO-15	Total/NA
Chloromethane	0.65		0.50	0.11	ppb v/v	1			TO-15	Total/NA
n-Butane	1.4		0.50	0.11	ppb v/v	1			TO-15	Total/NA
1,3-Butadiene	0.066	J	0.20	0.057	ppb v/v	1			TO-15	Total/NA
Trichlorofluoromethane	0.23		0.20	0.060	ppb v/v	1			TO-15	Total/NA
Freon TF	0.065	J	0.20	0.038	ppb v/v	1			TO-15	Total/NA
Acetone	2.3	J	5.0	1.2	ppb v/v	1			TO-15	Total/NA
tert-Butyl alcohol	0.067	J	5.0	0.038	ppb v/v	1			TO-15	Total/NA
Methyl Ethyl Ketone	0.30	J	0.50	0.072	ppb v/v	1			TO-15	Total/NA
Carbon tetrachloride	0.060		0.060	0.024	ppb v/v	1			TO-15	Total/NA
2,2,4-Trimethylpentane	0.054	J	0.20	0.041	ppb v/v	1			TO-15	Total/NA
Benzene	0.24		0.20	0.067	ppb v/v	1			TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Burlington

Detection Summary

Client: CDM Smith, Inc.

Job ID: 200-52685-1

Project/Site: Lubricant Packaging Corp Middletown NY

Client Sample ID: AA-03-021420 (Continued)

Lab Sample ID: 200-52685-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.31		0.20	0.11	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.17	J	0.50	0.10	ppb v/v	1		TO-15	Total/NA
Xylene (total)	0.17	J	0.70	0.048	ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.7		2.5	0.54	ug/m3	1		TO-15	Total/NA
Freon 22	1.5	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	1.4		1.0	0.23	ug/m3	1		TO-15	Total/NA
n-Butane	3.3		1.2	0.26	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	0.15	J	0.44	0.13	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.3		1.1	0.34	ug/m3	1		TO-15	Total/NA
Freon TF	0.50	J	1.5	0.29	ug/m3	1		TO-15	Total/NA
Acetone	5.5	J	12	2.9	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	0.20	J	15	0.12	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	0.87	J	1.5	0.21	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.38		0.38	0.15	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.25	J	0.93	0.19	ug/m3	1		TO-15	Total/NA
Benzene	0.78		0.64	0.21	ug/m3	1		TO-15	Total/NA
Toluene	1.2		0.75	0.41	ug/m3	1		TO-15	Total/NA
m,p-Xylene	0.76	J	2.2	0.43	ug/m3	1		TO-15	Total/NA
Xylene (total)	0.74	J	3.0	0.21	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Burlington

Method Summary

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SS-SV-04-021420

Lab Sample ID: 200-52685-1

Date Collected: 02/14/20 11:30

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.39	J	0.50	0.11	ppb v/v			02/21/20 01:53	1
Freon 22	0.51		0.50	0.12	ppb v/v			02/21/20 01:53	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.035	ppb v/v			02/21/20 01:53	1
Chloromethane	0.50		0.50	0.11	ppb v/v			02/21/20 01:53	1
n-Butane	4.2		0.50	0.11	ppb v/v			02/21/20 01:53	1
Vinyl chloride	ND		0.060	0.044	ppb v/v			02/21/20 01:53	1
1,3-Butadiene	0.061	J	0.20	0.057	ppb v/v			02/21/20 01:53	1
Bromomethane	ND		0.20	0.051	ppb v/v			02/21/20 01:53	1
Chloroethane	ND		0.50	0.054	ppb v/v			02/21/20 01:53	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.052	ppb v/v			02/21/20 01:53	1
Trichlorofluoromethane	0.25		0.20	0.060	ppb v/v			02/21/20 01:53	1
Freon TF	0.056	J	0.20	0.038	ppb v/v			02/21/20 01:53	1
1,1-Dichloroethene	ND		0.20	0.039	ppb v/v			02/21/20 01:53	1
Acetone	13		5.0	1.2	ppb v/v			02/21/20 01:53	1
Isopropyl alcohol	77	E	5.0	0.48	ppb v/v			02/21/20 01:53	1
Carbon disulfide	ND		0.50	0.074	ppb v/v			02/21/20 01:53	1
3-Chloropropene	ND		0.50	0.064	ppb v/v			02/21/20 01:53	1
Methylene Chloride	ND		0.50	0.27	ppb v/v			02/21/20 01:53	1
tert-Butyl alcohol	11		5.0	0.038	ppb v/v			02/21/20 01:53	1
Methyl tert-butyl ether	ND		0.20	0.033	ppb v/v			02/21/20 01:53	1
trans-1,2-Dichloroethene	ND		0.20	0.042	ppb v/v			02/21/20 01:53	1
n-Hexane	1.0		0.20	0.20	ppb v/v			02/21/20 01:53	1
1,1-Dichloroethane	ND		0.20	0.041	ppb v/v			02/21/20 01:53	1
Methyl Ethyl Ketone	2.1		0.50	0.072	ppb v/v			02/21/20 01:53	1
cis-1,2-Dichloroethene	ND		0.20	0.045	ppb v/v			02/21/20 01:53	1
1,2-Dichloroethene, Total	ND		0.40	0.042	ppb v/v			02/21/20 01:53	1
Chloroform	0.055	J	0.20	0.032	ppb v/v			02/21/20 01:53	1
Tetrahydrofuran	0.10	J	5.0	0.066	ppb v/v			02/21/20 01:53	1
1,1,1-Trichloroethane	0.054	J	0.20	0.036	ppb v/v			02/21/20 01:53	1
Cyclohexane	0.67		0.20	0.046	ppb v/v			02/21/20 01:53	1
Carbon tetrachloride	0.055	J	0.060	0.024	ppb v/v			02/21/20 01:53	1
2,2,4-Trimethylpentane	0.58		0.20	0.041	ppb v/v			02/21/20 01:53	1
Benzene	0.42		0.20	0.067	ppb v/v			02/21/20 01:53	1
1,2-Dichloroethane	ND		0.20	0.032	ppb v/v			02/21/20 01:53	1
n-Heptane	0.56		0.20	0.056	ppb v/v			02/21/20 01:53	1
Trichloroethene	ND		0.060	0.035	ppb v/v			02/21/20 01:53	1
Methyl methacrylate	ND		0.50	0.033	ppb v/v			02/21/20 01:53	1
1,2-Dichloropropane	ND		0.20	0.033	ppb v/v			02/21/20 01:53	1
1,4-Dioxane	ND		5.0	0.084	ppb v/v			02/21/20 01:53	1
Bromodichloromethane	ND		0.20	0.035	ppb v/v			02/21/20 01:53	1
cis-1,3-Dichloropropene	ND		0.20	0.032	ppb v/v			02/21/20 01:53	1
methyl isobutyl ketone	0.21	J	0.50	0.036	ppb v/v			02/21/20 01:53	1
Toluene	2.7		0.20	0.11	ppb v/v			02/21/20 01:53	1
trans-1,3-Dichloropropene	ND		0.20	0.039	ppb v/v			02/21/20 01:53	1
1,1,2-Trichloroethane	ND		0.20	0.036	ppb v/v			02/21/20 01:53	1
Tetrachloroethene	0.063	J	0.20	0.033	ppb v/v			02/21/20 01:53	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.048	ppb v/v			02/21/20 01:53	1
Dibromochloromethane	ND		0.20	0.036	ppb v/v			02/21/20 01:53	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SS-SV-04-021420

Lab Sample ID: 200-52685-1

Date Collected: 02/14/20 11:30

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.20	0.049	ppb v/v			02/21/20 01:53	1
Chlorobenzene	ND		0.20	0.056	ppb v/v			02/21/20 01:53	1
Ethylbenzene	0.50		0.20	0.063	ppb v/v			02/21/20 01:53	1
m,p-Xylene	1.8		0.50	0.10	ppb v/v			02/21/20 01:53	1
Xylene, o-	0.78		0.20	0.048	ppb v/v			02/21/20 01:53	1
Xylene (total)	2.6		0.70	0.048	ppb v/v			02/21/20 01:53	1
Styrene	0.053	J	0.20	0.040	ppb v/v			02/21/20 01:53	1
Bromoform	ND		0.20	0.048	ppb v/v			02/21/20 01:53	1
Cumene	0.10	J	0.20	0.035	ppb v/v			02/21/20 01:53	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.042	ppb v/v			02/21/20 01:53	1
n-Propylbenzene	0.12	J	0.20	0.039	ppb v/v			02/21/20 01:53	1
4-Ethyltoluene	0.17	J	0.20	0.041	ppb v/v			02/21/20 01:53	1
1,3,5-Trimethylbenzene	0.17	J	0.20	0.039	ppb v/v			02/21/20 01:53	1
2-Chlorotoluene	ND		0.20	0.042	ppb v/v			02/21/20 01:53	1
tert-Butylbenzene	ND		0.20	0.035	ppb v/v			02/21/20 01:53	1
1,2,4-Trimethylbenzene	0.72		0.20	0.044	ppb v/v			02/21/20 01:53	1
sec-Butylbenzene	ND		0.20	0.035	ppb v/v			02/21/20 01:53	1
4-Isopropyltoluene	ND		0.20	0.039	ppb v/v			02/21/20 01:53	1
1,3-Dichlorobenzene	ND		0.20	0.11	ppb v/v			02/21/20 01:53	1
1,4-Dichlorobenzene	ND		0.20	0.12	ppb v/v			02/21/20 01:53	1
Benzyl chloride	ND		0.20	0.085	ppb v/v			02/21/20 01:53	1
n-Butylbenzene	ND		0.20	0.039	ppb v/v			02/21/20 01:53	1
1,2-Dichlorobenzene	ND		0.20	0.097	ppb v/v			02/21/20 01:53	1
1,2,4-Trichlorobenzene	ND		0.50	0.22	ppb v/v			02/21/20 01:53	1
Hexachlorobutadiene	ND		0.20	0.076	ppb v/v			02/21/20 01:53	1
Naphthalene	ND		0.50	0.17	ppb v/v			02/21/20 01:53	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.9	J	2.5	0.54	ug/m3			02/21/20 01:53	1
Freon 22	1.8		1.8	0.42	ug/m3			02/21/20 01:53	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.24	ug/m3			02/21/20 01:53	1
Chloromethane	1.0		1.0	0.23	ug/m3			02/21/20 01:53	1
n-Butane	9.9		1.2	0.26	ug/m3			02/21/20 01:53	1
Vinyl chloride	ND		0.15	0.11	ug/m3			02/21/20 01:53	1
1,3-Butadiene	0.14	J	0.44	0.13	ug/m3			02/21/20 01:53	1
Bromomethane	ND		0.78	0.20	ug/m3			02/21/20 01:53	1
Chloroethane	ND		1.3	0.14	ug/m3			02/21/20 01:53	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.23	ug/m3			02/21/20 01:53	1
Trichlorofluoromethane	1.4		1.1	0.34	ug/m3			02/21/20 01:53	1
Freon TF	0.43	J	1.5	0.29	ug/m3			02/21/20 01:53	1
1,1-Dichloroethene	ND		0.79	0.15	ug/m3			02/21/20 01:53	1
Acetone	30		12	2.9	ug/m3			02/21/20 01:53	1
Isopropyl alcohol	190	E	12	1.2	ug/m3			02/21/20 01:53	1
Carbon disulfide	ND		1.6	0.23	ug/m3			02/21/20 01:53	1
3-Chloropropene	ND		1.6	0.20	ug/m3			02/21/20 01:53	1
Methylene Chloride	ND		1.7	0.94	ug/m3			02/21/20 01:53	1
tert-Butyl alcohol	34		15	0.12	ug/m3			02/21/20 01:53	1
Methyl tert-butyl ether	ND		0.72	0.12	ug/m3			02/21/20 01:53	1
trans-1,2-Dichloroethene	ND		0.79	0.17	ug/m3			02/21/20 01:53	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SS-SV-04-021420

Lab Sample ID: 200-52685-1

Date Collected: 02/14/20 11:30

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Hexane	3.7		0.70	0.70	ug/m3			02/21/20 01:53	1
1,1-Dichloroethane	ND		0.81	0.17	ug/m3			02/21/20 01:53	1
Methyl Ethyl Ketone	6.2		1.5	0.21	ug/m3			02/21/20 01:53	1
cis-1,2-Dichloroethene	ND		0.79	0.18	ug/m3			02/21/20 01:53	1
1,2-Dichloroethene, Total	ND		1.6	0.17	ug/m3			02/21/20 01:53	1
Chloroform	0.27	J	0.98	0.16	ug/m3			02/21/20 01:53	1
Tetrahydrofuran	0.30	J	15	0.19	ug/m3			02/21/20 01:53	1
1,1,1-Trichloroethane	0.29	J	1.1	0.20	ug/m3			02/21/20 01:53	1
Cyclohexane	2.3		0.69	0.16	ug/m3			02/21/20 01:53	1
Carbon tetrachloride	0.34	J	0.38	0.15	ug/m3			02/21/20 01:53	1
2,2,4-Trimethylpentane	2.7		0.93	0.19	ug/m3			02/21/20 01:53	1
Benzene	1.3		0.64	0.21	ug/m3			02/21/20 01:53	1
1,2-Dichloroethane	ND		0.81	0.13	ug/m3			02/21/20 01:53	1
n-Heptane	2.3		0.82	0.23	ug/m3			02/21/20 01:53	1
Trichloroethene	ND		0.32	0.19	ug/m3			02/21/20 01:53	1
Methyl methacrylate	ND		2.0	0.14	ug/m3			02/21/20 01:53	1
1,2-Dichloropropane	ND		0.92	0.15	ug/m3			02/21/20 01:53	1
1,4-Dioxane	ND		18	0.30	ug/m3			02/21/20 01:53	1
Bromodichloromethane	ND		1.3	0.23	ug/m3			02/21/20 01:53	1
cis-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			02/21/20 01:53	1
methyl isobutyl ketone	0.88	J	2.0	0.15	ug/m3			02/21/20 01:53	1
Toluene	10		0.75	0.41	ug/m3			02/21/20 01:53	1
trans-1,3-Dichloropropene	ND		0.91	0.18	ug/m3			02/21/20 01:53	1
1,1,2-Trichloroethane	ND		1.1	0.20	ug/m3			02/21/20 01:53	1
Tetrachloroethene	0.43	J	1.4	0.22	ug/m3			02/21/20 01:53	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.20	ug/m3			02/21/20 01:53	1
Dibromochloromethane	ND		1.7	0.31	ug/m3			02/21/20 01:53	1
1,2-Dibromoethane	ND		1.5	0.38	ug/m3			02/21/20 01:53	1
Chlorobenzene	ND		0.92	0.26	ug/m3			02/21/20 01:53	1
Ethylbenzene	2.2		0.87	0.27	ug/m3			02/21/20 01:53	1
m,p-Xylene	8.0		2.2	0.43	ug/m3			02/21/20 01:53	1
Xylene, o-	3.4		0.87	0.21	ug/m3			02/21/20 01:53	1
Xylene (total)	11		3.0	0.21	ug/m3			02/21/20 01:53	1
Styrene	0.22	J	0.85	0.17	ug/m3			02/21/20 01:53	1
Bromoform	ND		2.1	0.50	ug/m3			02/21/20 01:53	1
Cumene	0.50	J	0.98	0.17	ug/m3			02/21/20 01:53	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.29	ug/m3			02/21/20 01:53	1
n-Propylbenzene	0.58	J	0.98	0.19	ug/m3			02/21/20 01:53	1
4-Ethyltoluene	0.83	J	0.98	0.20	ug/m3			02/21/20 01:53	1
1,3,5-Trimethylbenzene	0.84	J	0.98	0.19	ug/m3			02/21/20 01:53	1
2-Chlorotoluene	ND		1.0	0.22	ug/m3			02/21/20 01:53	1
tert-Butylbenzene	ND		1.1	0.19	ug/m3			02/21/20 01:53	1
1,2,4-Trimethylbenzene	3.5		0.98	0.22	ug/m3			02/21/20 01:53	1
sec-Butylbenzene	ND		1.1	0.19	ug/m3			02/21/20 01:53	1
4-Isopropyltoluene	ND		1.1	0.21	ug/m3			02/21/20 01:53	1
1,3-Dichlorobenzene	ND		1.2	0.66	ug/m3			02/21/20 01:53	1
1,4-Dichlorobenzene	ND		1.2	0.72	ug/m3			02/21/20 01:53	1
Benzyl chloride	ND		1.0	0.44	ug/m3			02/21/20 01:53	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SS-SV-04-021420

Lab Sample ID: 200-52685-1

Date Collected: 02/14/20 11:30

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		1.1	0.21	ug/m3			02/21/20 01:53	1
1,2-Dichlorobenzene	ND		1.2	0.58	ug/m3			02/21/20 01:53	1
1,2,4-Trichlorobenzene	ND		3.7	1.6	ug/m3			02/21/20 01:53	1
Hexachlorobutadiene	ND		2.1	0.81	ug/m3			02/21/20 01:53	1
Naphthalene	ND		2.6	0.89	ug/m3			02/21/20 01:53	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.45	J	1.5	0.33	ppb v/v			02/21/20 02:46	2.99
Freon 22	0.58	J	1.5	0.36	ppb v/v			02/21/20 02:46	2.99
1,2-Dichlorotetrafluoroethane	ND		0.60	0.10	ppb v/v			02/21/20 02:46	2.99
Chloromethane	0.55	J	1.5	0.33	ppb v/v			02/21/20 02:46	2.99
n-Butane	4.2		1.5	0.33	ppb v/v			02/21/20 02:46	2.99
Vinyl chloride	ND		0.18	0.13	ppb v/v			02/21/20 02:46	2.99
1,3-Butadiene	ND		0.60	0.17	ppb v/v			02/21/20 02:46	2.99
Bromomethane	ND		0.60	0.15	ppb v/v			02/21/20 02:46	2.99
Chloroethane	ND		1.5	0.16	ppb v/v			02/21/20 02:46	2.99
Bromoethene(Vinyl Bromide)	ND		0.60	0.16	ppb v/v			02/21/20 02:46	2.99
Trichlorofluoromethane	0.25	J	0.60	0.18	ppb v/v			02/21/20 02:46	2.99
Freon TF	ND		0.60	0.11	ppb v/v			02/21/20 02:46	2.99
1,1-Dichloroethene	ND		0.60	0.12	ppb v/v			02/21/20 02:46	2.99
Acetone	13	J	15	3.6	ppb v/v			02/21/20 02:46	2.99
Isopropyl alcohol	79		15	1.4	ppb v/v			02/21/20 02:46	2.99
Carbon disulfide	ND		1.5	0.22	ppb v/v			02/21/20 02:46	2.99
3-Chloropropene	ND		1.5	0.19	ppb v/v			02/21/20 02:46	2.99
Methylene Chloride	ND		1.5	0.81	ppb v/v			02/21/20 02:46	2.99
tert-Butyl alcohol	11	J	15	0.11	ppb v/v			02/21/20 02:46	2.99
Methyl tert-butyl ether	ND		0.60	0.099	ppb v/v			02/21/20 02:46	2.99
trans-1,2-Dichloroethene	ND		0.60	0.13	ppb v/v			02/21/20 02:46	2.99
n-Hexane	1.0		0.60	0.60	ppb v/v			02/21/20 02:46	2.99
1,1-Dichloroethane	ND		0.60	0.12	ppb v/v			02/21/20 02:46	2.99
Methyl Ethyl Ketone	2.0		1.5	0.22	ppb v/v			02/21/20 02:46	2.99
cis-1,2-Dichloroethene	ND		0.60	0.13	ppb v/v			02/21/20 02:46	2.99
1,2-Dichloroethene, Total	ND		1.2	0.13	ppb v/v			02/21/20 02:46	2.99
Chloroform	ND		0.60	0.096	ppb v/v			02/21/20 02:46	2.99
Tetrahydrofuran	ND		15	0.20	ppb v/v			02/21/20 02:46	2.99
1,1,1-Trichloroethane	ND		0.60	0.11	ppb v/v			02/21/20 02:46	2.99
Cyclohexane	0.64		0.60	0.14	ppb v/v			02/21/20 02:46	2.99
Carbon tetrachloride	ND		0.18	0.072	ppb v/v			02/21/20 02:46	2.99
2,2,4-Trimethylpentane	0.57	J	0.60	0.12	ppb v/v			02/21/20 02:46	2.99
Benzene	0.43	J	0.60	0.20	ppb v/v			02/21/20 02:46	2.99
1,2-Dichloroethane	ND		0.60	0.096	ppb v/v			02/21/20 02:46	2.99
n-Heptane	0.55	J	0.60	0.17	ppb v/v			02/21/20 02:46	2.99
Trichloroethene	ND		0.18	0.10	ppb v/v			02/21/20 02:46	2.99
Methyl methacrylate	ND		1.5	0.099	ppb v/v			02/21/20 02:46	2.99
1,2-Dichloropropane	ND		0.60	0.099	ppb v/v			02/21/20 02:46	2.99
1,4-Dioxane	ND		15	0.25	ppb v/v			02/21/20 02:46	2.99
Bromodichloromethane	ND		0.60	0.10	ppb v/v			02/21/20 02:46	2.99
cis-1,3-Dichloropropene	ND		0.60	0.096	ppb v/v			02/21/20 02:46	2.99

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SS-SV-04-021420

Lab Sample ID: 200-52685-1

Date Collected: 02/14/20 11:30

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
methyl isobutyl ketone	ND		1.5	0.11	ppb v/v			02/21/20 02:46	2.99
Toluene	2.7		0.60	0.33	ppb v/v			02/21/20 02:46	2.99
trans-1,3-Dichloropropene	ND		0.60	0.12	ppb v/v			02/21/20 02:46	2.99
1,1,2-Trichloroethane	ND		0.60	0.11	ppb v/v			02/21/20 02:46	2.99
Tetrachloroethene	ND		0.60	0.099	ppb v/v			02/21/20 02:46	2.99
Methyl Butyl Ketone (2-Hexanone)	ND		1.5	0.14	ppb v/v			02/21/20 02:46	2.99
Dibromochloromethane	ND		0.60	0.11	ppb v/v			02/21/20 02:46	2.99
1,2-Dibromoethane	ND		0.60	0.15	ppb v/v			02/21/20 02:46	2.99
Chlorobenzene	ND		0.60	0.17	ppb v/v			02/21/20 02:46	2.99
Ethylbenzene	0.50	J	0.60	0.19	ppb v/v			02/21/20 02:46	2.99
m,p-Xylene	1.8		1.5	0.30	ppb v/v			02/21/20 02:46	2.99
Xylene, o-	0.75		0.60	0.14	ppb v/v			02/21/20 02:46	2.99
Xylene (total)	2.6		2.1	0.14	ppb v/v			02/21/20 02:46	2.99
Styrene	ND		0.60	0.12	ppb v/v			02/21/20 02:46	2.99
Bromoform	ND		0.60	0.14	ppb v/v			02/21/20 02:46	2.99
Cumene	ND		0.60	0.10	ppb v/v			02/21/20 02:46	2.99
1,1,2,2-Tetrachloroethane	ND		0.60	0.13	ppb v/v			02/21/20 02:46	2.99
n-Propylbenzene	0.13	J	0.60	0.12	ppb v/v			02/21/20 02:46	2.99
4-Ethyltoluene	0.12	J	0.60	0.12	ppb v/v			02/21/20 02:46	2.99
1,3,5-Trimethylbenzene	0.18	J	0.60	0.12	ppb v/v			02/21/20 02:46	2.99
2-Chlorotoluene	ND		0.60	0.13	ppb v/v			02/21/20 02:46	2.99
tert-Butylbenzene	ND		0.60	0.10	ppb v/v			02/21/20 02:46	2.99
1,2,4-Trimethylbenzene	0.70		0.60	0.13	ppb v/v			02/21/20 02:46	2.99
sec-Butylbenzene	ND		0.60	0.10	ppb v/v			02/21/20 02:46	2.99
4-Isopropyltoluene	ND		0.60	0.12	ppb v/v			02/21/20 02:46	2.99
1,3-Dichlorobenzene	ND		0.60	0.33	ppb v/v			02/21/20 02:46	2.99
1,4-Dichlorobenzene	ND		0.60	0.36	ppb v/v			02/21/20 02:46	2.99
Benzyl chloride	ND		0.60	0.25	ppb v/v			02/21/20 02:46	2.99
n-Butylbenzene	ND		0.60	0.12	ppb v/v			02/21/20 02:46	2.99
1,2-Dichlorobenzene	ND		0.60	0.29	ppb v/v			02/21/20 02:46	2.99
1,2,4-Trichlorobenzene	ND		1.5	0.66	ppb v/v			02/21/20 02:46	2.99
Hexachlorobutadiene	ND		0.60	0.23	ppb v/v			02/21/20 02:46	2.99
Naphthalene	ND		1.5	0.51	ppb v/v			02/21/20 02:46	2.99
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.2	J	7.4	1.6	ug/m3			02/21/20 02:46	2.99
Freon 22	2.1	J	5.3	1.3	ug/m3			02/21/20 02:46	2.99
1,2-Dichlorotetrafluoroethane	ND		4.2	0.73	ug/m3			02/21/20 02:46	2.99
Chloromethane	1.1	J	3.1	0.68	ug/m3			02/21/20 02:46	2.99
n-Butane	10		3.6	0.78	ug/m3			02/21/20 02:46	2.99
Vinyl chloride	ND		0.46	0.34	ug/m3			02/21/20 02:46	2.99
1,3-Butadiene	ND		1.3	0.38	ug/m3			02/21/20 02:46	2.99
Bromomethane	ND		2.3	0.59	ug/m3			02/21/20 02:46	2.99
Chloroethane	ND		3.9	0.43	ug/m3			02/21/20 02:46	2.99
Bromoethene(Vinyl Bromide)	ND		2.6	0.68	ug/m3			02/21/20 02:46	2.99
Trichlorofluoromethane	1.4	J	3.4	1.0	ug/m3			02/21/20 02:46	2.99
Freon TF	ND		4.6	0.87	ug/m3			02/21/20 02:46	2.99
1,1-Dichloroethene	ND		2.4	0.46	ug/m3			02/21/20 02:46	2.99
Acetone	30	J	36	8.5	ug/m3			02/21/20 02:46	2.99

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SS-SV-04-021420

Lab Sample ID: 200-52685-1

Date Collected: 02/14/20 11:30

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropyl alcohol	190		37	3.5	ug/m3			02/21/20 02:46	2.99
Carbon disulfide	ND		4.7	0.69	ug/m3			02/21/20 02:46	2.99
3-Chloropropene	ND		4.7	0.60	ug/m3			02/21/20 02:46	2.99
Methylene Chloride	ND		5.2	2.8	ug/m3			02/21/20 02:46	2.99
tert-Butyl alcohol	33	J	45	0.34	ug/m3			02/21/20 02:46	2.99
Methyl tert-butyl ether	ND		2.2	0.36	ug/m3			02/21/20 02:46	2.99
trans-1,2-Dichloroethene	ND		2.4	0.50	ug/m3			02/21/20 02:46	2.99
n-Hexane	3.6		2.1	2.1	ug/m3			02/21/20 02:46	2.99
1,1-Dichloroethane	ND		2.4	0.50	ug/m3			02/21/20 02:46	2.99
Methyl Ethyl Ketone	5.8		4.4	0.63	ug/m3			02/21/20 02:46	2.99
cis-1,2-Dichloroethene	ND		2.4	0.53	ug/m3			02/21/20 02:46	2.99
1,2-Dichloroethene, Total	ND		4.7	0.50	ug/m3			02/21/20 02:46	2.99
Chloroform	ND		2.9	0.47	ug/m3			02/21/20 02:46	2.99
Tetrahydrofuran	ND		44	0.58	ug/m3			02/21/20 02:46	2.99
1,1,1-Trichloroethane	ND		3.3	0.59	ug/m3			02/21/20 02:46	2.99
Cyclohexane	2.2		2.1	0.47	ug/m3			02/21/20 02:46	2.99
Carbon tetrachloride	ND		1.1	0.45	ug/m3			02/21/20 02:46	2.99
2,2,4-Trimethylpentane	2.7	J	2.8	0.57	ug/m3			02/21/20 02:46	2.99
Benzene	1.4	J	1.9	0.64	ug/m3			02/21/20 02:46	2.99
1,2-Dichloroethane	ND		2.4	0.39	ug/m3			02/21/20 02:46	2.99
n-Heptane	2.3	J	2.5	0.69	ug/m3			02/21/20 02:46	2.99
Trichloroethene	ND		0.96	0.56	ug/m3			02/21/20 02:46	2.99
Methyl methacrylate	ND		6.1	0.40	ug/m3			02/21/20 02:46	2.99
1,2-Dichloropropane	ND		2.8	0.46	ug/m3			02/21/20 02:46	2.99
1,4-Dioxane	ND		54	0.91	ug/m3			02/21/20 02:46	2.99
Bromodichloromethane	ND		4.0	0.70	ug/m3			02/21/20 02:46	2.99
cis-1,3-Dichloropropene	ND		2.7	0.43	ug/m3			02/21/20 02:46	2.99
methyl isobutyl ketone	ND		6.1	0.44	ug/m3			02/21/20 02:46	2.99
Toluene	10		2.3	1.2	ug/m3			02/21/20 02:46	2.99
trans-1,3-Dichloropropene	ND		2.7	0.53	ug/m3			02/21/20 02:46	2.99
1,1,2-Trichloroethane	ND		3.3	0.59	ug/m3			02/21/20 02:46	2.99
Tetrachloroethene	ND		4.1	0.67	ug/m3			02/21/20 02:46	2.99
Methyl Butyl Ketone (2-Hexanone)	ND		6.1	0.59	ug/m3			02/21/20 02:46	2.99
Dibromochloromethane	ND		5.1	0.92	ug/m3			02/21/20 02:46	2.99
1,2-Dibromoethane	ND		4.6	1.1	ug/m3			02/21/20 02:46	2.99
Chlorobenzene	ND		2.8	0.77	ug/m3			02/21/20 02:46	2.99
Ethylbenzene	2.2	J	2.6	0.82	ug/m3			02/21/20 02:46	2.99
m,p-Xylene	7.8		6.5	1.3	ug/m3			02/21/20 02:46	2.99
Xylene, o-	3.3		2.6	0.62	ug/m3			02/21/20 02:46	2.99
Xylene (total)	11		9.1	0.62	ug/m3			02/21/20 02:46	2.99
Styrene	ND		2.5	0.51	ug/m3			02/21/20 02:46	2.99
Bromoform	ND		6.2	1.5	ug/m3			02/21/20 02:46	2.99
Cumene	ND		2.9	0.51	ug/m3			02/21/20 02:46	2.99
1,1,2,2-Tetrachloroethane	ND		4.1	0.86	ug/m3			02/21/20 02:46	2.99
n-Propylbenzene	0.64	J	2.9	0.57	ug/m3			02/21/20 02:46	2.99
4-Ethyltoluene	0.61	J	2.9	0.60	ug/m3			02/21/20 02:46	2.99
1,3,5-Trimethylbenzene	0.91	J	2.9	0.57	ug/m3			02/21/20 02:46	2.99
2-Chlorotoluene	ND		3.1	0.65	ug/m3			02/21/20 02:46	2.99

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SS-SV-04-021420

Lab Sample ID: 200-52685-1

Date Collected: 02/14/20 11:30

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		3.3	0.57	ug/m3			02/21/20 02:46	2.99
1,2,4-Trimethylbenzene	3.4		2.9	0.65	ug/m3			02/21/20 02:46	2.99
sec-Butylbenzene	ND		3.3	0.57	ug/m3			02/21/20 02:46	2.99
4-Isopropyltoluene	ND		3.3	0.64	ug/m3			02/21/20 02:46	2.99
1,3-Dichlorobenzene	ND		3.6	2.0	ug/m3			02/21/20 02:46	2.99
1,4-Dichlorobenzene	ND		3.6	2.2	ug/m3			02/21/20 02:46	2.99
Benzyl chloride	ND		3.1	1.3	ug/m3			02/21/20 02:46	2.99
n-Butylbenzene	ND		3.3	0.64	ug/m3			02/21/20 02:46	2.99
1,2-Dichlorobenzene	ND		3.6	1.7	ug/m3			02/21/20 02:46	2.99
1,2,4-Trichlorobenzene	ND		11	4.9	ug/m3			02/21/20 02:46	2.99
Hexachlorobutadiene	ND		6.4	2.4	ug/m3			02/21/20 02:46	2.99
Naphthalene	ND		7.8	2.7	ug/m3			02/21/20 02:46	2.99

Client Sample ID: IA-04-021420

Lab Sample ID: 200-52685-2

Date Collected: 02/14/20 11:35

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.21	J	0.50	0.11	ppb v/v			02/20/20 23:13	1
Freon 22	0.18	J	0.50	0.12	ppb v/v			02/20/20 23:13	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.035	ppb v/v			02/20/20 23:13	1
Chloromethane	0.32	J	0.50	0.11	ppb v/v			02/20/20 23:13	1
n-Butane	0.57		0.50	0.11	ppb v/v			02/20/20 23:13	1
Vinyl chloride	ND		0.060	0.044	ppb v/v			02/20/20 23:13	1
1,3-Butadiene	ND		0.20	0.057	ppb v/v			02/20/20 23:13	1
Bromomethane	ND		0.20	0.051	ppb v/v			02/20/20 23:13	1
Chloroethane	ND		0.50	0.054	ppb v/v			02/20/20 23:13	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.052	ppb v/v			02/20/20 23:13	1
Trichlorofluoromethane	0.099	J	0.20	0.060	ppb v/v			02/20/20 23:13	1
Freon TF	ND		0.20	0.038	ppb v/v			02/20/20 23:13	1
1,1-Dichloroethene	ND		0.20	0.039	ppb v/v			02/20/20 23:13	1
Acetone	4.2	J	5.0	1.2	ppb v/v			02/20/20 23:13	1
Isopropyl alcohol	4.4	J	5.0	0.48	ppb v/v			02/20/20 23:13	1
Carbon disulfide	ND		0.50	0.074	ppb v/v			02/20/20 23:13	1
3-Chloropropene	ND		0.50	0.064	ppb v/v			02/20/20 23:13	1
Methylene Chloride	ND		0.50	0.27	ppb v/v			02/20/20 23:13	1
tert-Butyl alcohol	0.44	J	5.0	0.038	ppb v/v			02/20/20 23:13	1
Methyl tert-butyl ether	ND		0.20	0.033	ppb v/v			02/20/20 23:13	1
trans-1,2-Dichloroethene	ND		0.20	0.042	ppb v/v			02/20/20 23:13	1
n-Hexane	ND		0.20	0.20	ppb v/v			02/20/20 23:13	1
1,1-Dichloroethane	ND		0.20	0.041	ppb v/v			02/20/20 23:13	1
Methyl Ethyl Ketone	2.2		0.50	0.072	ppb v/v			02/20/20 23:13	1
cis-1,2-Dichloroethene	ND		0.20	0.045	ppb v/v			02/20/20 23:13	1
1,2-Dichloroethene, Total	ND		0.40	0.042	ppb v/v			02/20/20 23:13	1
Chloroform	0.032	J	0.20	0.032	ppb v/v			02/20/20 23:13	1
Tetrahydrofuran	ND		5.0	0.066	ppb v/v			02/20/20 23:13	1
1,1,1-Trichloroethane	ND		0.20	0.036	ppb v/v			02/20/20 23:13	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: IA-04-021420

Lab Sample ID: 200-52685-2

Date Collected: 02/14/20 11:35

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	0.17	J	0.20	0.046	ppb v/v			02/20/20 23:13	1
Carbon tetrachloride	ND		0.060	0.024	ppb v/v			02/20/20 23:13	1
2,2,4-Trimethylpentane	ND		0.20	0.041	ppb v/v			02/20/20 23:13	1
Benzene	0.085	J	0.20	0.067	ppb v/v			02/20/20 23:13	1
1,2-Dichloroethane	ND		0.20	0.032	ppb v/v			02/20/20 23:13	1
n-Heptane	0.094	J	0.20	0.056	ppb v/v			02/20/20 23:13	1
Trichloroethene	ND		0.060	0.035	ppb v/v			02/20/20 23:13	1
Methyl methacrylate	ND		0.50	0.033	ppb v/v			02/20/20 23:13	1
1,2-Dichloropropane	ND		0.20	0.033	ppb v/v			02/20/20 23:13	1
1,4-Dioxane	0.088	J	5.0	0.084	ppb v/v			02/20/20 23:13	1
Bromodichloromethane	ND		0.20	0.035	ppb v/v			02/20/20 23:13	1
cis-1,3-Dichloropropene	ND		0.20	0.032	ppb v/v			02/20/20 23:13	1
methyl isobutyl ketone	ND		0.50	0.036	ppb v/v			02/20/20 23:13	1
Toluene	0.41		0.20	0.11	ppb v/v			02/20/20 23:13	1
trans-1,3-Dichloropropene	ND		0.20	0.039	ppb v/v			02/20/20 23:13	1
1,1,2-Trichloroethane	ND		0.20	0.036	ppb v/v			02/20/20 23:13	1
Tetrachloroethene	ND		0.20	0.033	ppb v/v			02/20/20 23:13	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.048	ppb v/v			02/20/20 23:13	1
Dibromochloromethane	ND		0.20	0.036	ppb v/v			02/20/20 23:13	1
1,2-Dibromoethane	ND		0.20	0.049	ppb v/v			02/20/20 23:13	1
Chlorobenzene	ND		0.20	0.056	ppb v/v			02/20/20 23:13	1
Ethylbenzene	ND		0.20	0.063	ppb v/v			02/20/20 23:13	1
m,p-Xylene	0.17	J	0.50	0.10	ppb v/v			02/20/20 23:13	1
Xylene, o-	ND		0.20	0.048	ppb v/v			02/20/20 23:13	1
Xylene (total)	0.17	J	0.70	0.048	ppb v/v			02/20/20 23:13	1
Styrene	ND		0.20	0.040	ppb v/v			02/20/20 23:13	1
Bromoform	ND		0.20	0.048	ppb v/v			02/20/20 23:13	1
Cumene	ND		0.20	0.035	ppb v/v			02/20/20 23:13	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.042	ppb v/v			02/20/20 23:13	1
n-Propylbenzene	ND		0.20	0.039	ppb v/v			02/20/20 23:13	1
4-Ethyltoluene	ND		0.20	0.041	ppb v/v			02/20/20 23:13	1
1,3,5-Trimethylbenzene	ND		0.20	0.039	ppb v/v			02/20/20 23:13	1
2-Chlorotoluene	ND		0.20	0.042	ppb v/v			02/20/20 23:13	1
tert-Butylbenzene	ND		0.20	0.035	ppb v/v			02/20/20 23:13	1
1,2,4-Trimethylbenzene	ND		0.20	0.044	ppb v/v			02/20/20 23:13	1
sec-Butylbenzene	ND		0.20	0.035	ppb v/v			02/20/20 23:13	1
4-Isopropyltoluene	ND		0.20	0.039	ppb v/v			02/20/20 23:13	1
1,3-Dichlorobenzene	ND		0.20	0.11	ppb v/v			02/20/20 23:13	1
1,4-Dichlorobenzene	ND		0.20	0.12	ppb v/v			02/20/20 23:13	1
Benzyl chloride	ND		0.20	0.085	ppb v/v			02/20/20 23:13	1
n-Butylbenzene	ND		0.20	0.039	ppb v/v			02/20/20 23:13	1
1,2-Dichlorobenzene	ND		0.20	0.097	ppb v/v			02/20/20 23:13	1
1,2,4-Trichlorobenzene	ND		0.50	0.22	ppb v/v			02/20/20 23:13	1
Hexachlorobutadiene	ND		0.20	0.076	ppb v/v			02/20/20 23:13	1
Naphthalene	ND		0.50	0.17	ppb v/v			02/20/20 23:13	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	J	2.5	0.54	ug/m3			02/20/20 23:13	1
Freon 22	0.64	J	1.8	0.42	ug/m3			02/20/20 23:13	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: IA-04-021420

Lab Sample ID: 200-52685-2

Date Collected: 02/14/20 11:35

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorotetrafluoroethane	ND		1.4	0.24	ug/m3			02/20/20 23:13	1
Chloromethane	0.65	J	1.0	0.23	ug/m3			02/20/20 23:13	1
n-Butane	1.4		1.2	0.26	ug/m3			02/20/20 23:13	1
Vinyl chloride	ND		0.15	0.11	ug/m3			02/20/20 23:13	1
1,3-Butadiene	ND		0.44	0.13	ug/m3			02/20/20 23:13	1
Bromomethane	ND		0.78	0.20	ug/m3			02/20/20 23:13	1
Chloroethane	ND		1.3	0.14	ug/m3			02/20/20 23:13	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.23	ug/m3			02/20/20 23:13	1
Trichlorofluoromethane	0.55	J	1.1	0.34	ug/m3			02/20/20 23:13	1
Freon TF	ND		1.5	0.29	ug/m3			02/20/20 23:13	1
1,1-Dichloroethene	ND		0.79	0.15	ug/m3			02/20/20 23:13	1
Acetone	9.9	J	12	2.9	ug/m3			02/20/20 23:13	1
Isopropyl alcohol	11	J	12	1.2	ug/m3			02/20/20 23:13	1
Carbon disulfide	ND		1.6	0.23	ug/m3			02/20/20 23:13	1
3-Chloropropene	ND		1.6	0.20	ug/m3			02/20/20 23:13	1
Methylene Chloride	ND		1.7	0.94	ug/m3			02/20/20 23:13	1
tert-Butyl alcohol	1.3	J	15	0.12	ug/m3			02/20/20 23:13	1
Methyl tert-butyl ether	ND		0.72	0.12	ug/m3			02/20/20 23:13	1
trans-1,2-Dichloroethene	ND		0.79	0.17	ug/m3			02/20/20 23:13	1
n-Hexane	ND		0.70	0.70	ug/m3			02/20/20 23:13	1
1,1-Dichloroethane	ND		0.81	0.17	ug/m3			02/20/20 23:13	1
Methyl Ethyl Ketone	6.5		1.5	0.21	ug/m3			02/20/20 23:13	1
cis-1,2-Dichloroethene	ND		0.79	0.18	ug/m3			02/20/20 23:13	1
1,2-Dichloroethene, Total	ND		1.6	0.17	ug/m3			02/20/20 23:13	1
Chloroform	0.16	J	0.98	0.16	ug/m3			02/20/20 23:13	1
Tetrahydrofuran	ND		15	0.19	ug/m3			02/20/20 23:13	1
1,1,1-Trichloroethane	ND		1.1	0.20	ug/m3			02/20/20 23:13	1
Cyclohexane	0.60	J	0.69	0.16	ug/m3			02/20/20 23:13	1
Carbon tetrachloride	ND		0.38	0.15	ug/m3			02/20/20 23:13	1
2,2,4-Trimethylpentane	ND		0.93	0.19	ug/m3			02/20/20 23:13	1
Benzene	0.27	J	0.64	0.21	ug/m3			02/20/20 23:13	1
1,2-Dichloroethane	ND		0.81	0.13	ug/m3			02/20/20 23:13	1
n-Heptane	0.39	J	0.82	0.23	ug/m3			02/20/20 23:13	1
Trichloroethene	ND		0.32	0.19	ug/m3			02/20/20 23:13	1
Methyl methacrylate	ND		2.0	0.14	ug/m3			02/20/20 23:13	1
1,2-Dichloropropane	ND		0.92	0.15	ug/m3			02/20/20 23:13	1
1,4-Dioxane	0.32	J	18	0.30	ug/m3			02/20/20 23:13	1
Bromodichloromethane	ND		1.3	0.23	ug/m3			02/20/20 23:13	1
cis-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			02/20/20 23:13	1
methyl isobutyl ketone	ND		2.0	0.15	ug/m3			02/20/20 23:13	1
Toluene	1.5		0.75	0.41	ug/m3			02/20/20 23:13	1
trans-1,3-Dichloropropene	ND		0.91	0.18	ug/m3			02/20/20 23:13	1
1,1,2-Trichloroethane	ND		1.1	0.20	ug/m3			02/20/20 23:13	1
Tetrachloroethene	ND		1.4	0.22	ug/m3			02/20/20 23:13	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.20	ug/m3			02/20/20 23:13	1
Dibromochloromethane	ND		1.7	0.31	ug/m3			02/20/20 23:13	1
1,2-Dibromoethane	ND		1.5	0.38	ug/m3			02/20/20 23:13	1
Chlorobenzene	ND		0.92	0.26	ug/m3			02/20/20 23:13	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: IA-04-021420

Lab Sample ID: 200-52685-2

Date Collected: 02/14/20 11:35

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.87	0.27	ug/m3			02/20/20 23:13	1
m,p-Xylene	0.75	J	2.2	0.43	ug/m3			02/20/20 23:13	1
Xylene, o-	ND		0.87	0.21	ug/m3			02/20/20 23:13	1
Xylene (total)	0.74	J	3.0	0.21	ug/m3			02/20/20 23:13	1
Styrene	ND		0.85	0.17	ug/m3			02/20/20 23:13	1
Bromoform	ND		2.1	0.50	ug/m3			02/20/20 23:13	1
Cumene	ND		0.98	0.17	ug/m3			02/20/20 23:13	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.29	ug/m3			02/20/20 23:13	1
n-Propylbenzene	ND		0.98	0.19	ug/m3			02/20/20 23:13	1
4-Ethyltoluene	ND		0.98	0.20	ug/m3			02/20/20 23:13	1
1,3,5-Trimethylbenzene	ND		0.98	0.19	ug/m3			02/20/20 23:13	1
2-Chlorotoluene	ND		1.0	0.22	ug/m3			02/20/20 23:13	1
tert-Butylbenzene	ND		1.1	0.19	ug/m3			02/20/20 23:13	1
1,2,4-Trimethylbenzene	ND		0.98	0.22	ug/m3			02/20/20 23:13	1
sec-Butylbenzene	ND		1.1	0.19	ug/m3			02/20/20 23:13	1
4-Isopropyltoluene	ND		1.1	0.21	ug/m3			02/20/20 23:13	1
1,3-Dichlorobenzene	ND		1.2	0.66	ug/m3			02/20/20 23:13	1
1,4-Dichlorobenzene	ND		1.2	0.72	ug/m3			02/20/20 23:13	1
Benzyl chloride	ND		1.0	0.44	ug/m3			02/20/20 23:13	1
n-Butylbenzene	ND		1.1	0.21	ug/m3			02/20/20 23:13	1
1,2-Dichlorobenzene	ND		1.2	0.58	ug/m3			02/20/20 23:13	1
1,2,4-Trichlorobenzene	ND		3.7	1.6	ug/m3			02/20/20 23:13	1
Hexachlorobutadiene	ND		2.1	0.81	ug/m3			02/20/20 23:13	1
Naphthalene	ND		2.6	0.89	ug/m3			02/20/20 23:13	1

Client Sample ID: SS-SV-06-021420

Lab Sample ID: 200-52685-3

Date Collected: 02/14/20 10:45

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.37	J	0.50	0.11	ppb v/v			02/21/20 03:40	1
Freon 22	1.3		0.50	0.12	ppb v/v			02/21/20 03:40	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.035	ppb v/v			02/21/20 03:40	1
Chloromethane	0.48	J	0.50	0.11	ppb v/v			02/21/20 03:40	1
n-Butane	1.4		0.50	0.11	ppb v/v			02/21/20 03:40	1
Vinyl chloride	ND		0.060	0.044	ppb v/v			02/21/20 03:40	1
1,3-Butadiene	0.14	J	0.20	0.057	ppb v/v			02/21/20 03:40	1
Bromomethane	ND		0.20	0.051	ppb v/v			02/21/20 03:40	1
Chloroethane	ND		0.50	0.054	ppb v/v			02/21/20 03:40	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.052	ppb v/v			02/21/20 03:40	1
Trichlorofluoromethane	0.20		0.20	0.060	ppb v/v			02/21/20 03:40	1
Freon TF	0.054	J	0.20	0.038	ppb v/v			02/21/20 03:40	1
1,1-Dichloroethene	ND		0.20	0.039	ppb v/v			02/21/20 03:40	1
Acetone	6.9		5.0	1.2	ppb v/v			02/21/20 03:40	1
Isopropyl alcohol	5.5		5.0	0.48	ppb v/v			02/21/20 03:40	1
Carbon disulfide	ND		0.50	0.074	ppb v/v			02/21/20 03:40	1
3-Chloropropene	ND		0.50	0.064	ppb v/v			02/21/20 03:40	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SS-SV-06-021420

Lab Sample ID: 200-52685-3

Date Collected: 02/14/20 10:45

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.50	0.27	ppb v/v			02/21/20 03:40	1
tert-Butyl alcohol	0.28	J	5.0	0.038	ppb v/v			02/21/20 03:40	1
Methyl tert-butyl ether	ND		0.20	0.033	ppb v/v			02/21/20 03:40	1
trans-1,2-Dichloroethene	ND		0.20	0.042	ppb v/v			02/21/20 03:40	1
n-Hexane	ND		0.20	0.20	ppb v/v			02/21/20 03:40	1
1,1-Dichloroethane	ND		0.20	0.041	ppb v/v			02/21/20 03:40	1
Methyl Ethyl Ketone	1.5		0.50	0.072	ppb v/v			02/21/20 03:40	1
cis-1,2-Dichloroethene	ND		0.20	0.045	ppb v/v			02/21/20 03:40	1
1,2-Dichloroethene, Total	ND		0.40	0.042	ppb v/v			02/21/20 03:40	1
Chloroform	0.052	J	0.20	0.032	ppb v/v			02/21/20 03:40	1
Tetrahydrofuran	0.090	J	5.0	0.066	ppb v/v			02/21/20 03:40	1
1,1,1-Trichloroethane	0.22		0.20	0.036	ppb v/v			02/21/20 03:40	1
Cyclohexane	0.20		0.20	0.046	ppb v/v			02/21/20 03:40	1
Carbon tetrachloride	0.053	J	0.060	0.024	ppb v/v			02/21/20 03:40	1
2,2,4-Trimethylpentane	0.046	J	0.20	0.041	ppb v/v			02/21/20 03:40	1
Benzene	0.18	J	0.20	0.067	ppb v/v			02/21/20 03:40	1
1,2-Dichloroethane	ND		0.20	0.032	ppb v/v			02/21/20 03:40	1
n-Heptane	0.14	J	0.20	0.056	ppb v/v			02/21/20 03:40	1
Trichloroethene	ND		0.060	0.035	ppb v/v			02/21/20 03:40	1
Methyl methacrylate	ND		0.50	0.033	ppb v/v			02/21/20 03:40	1
1,2-Dichloropropane	ND		0.20	0.033	ppb v/v			02/21/20 03:40	1
1,4-Dioxane	ND		5.0	0.084	ppb v/v			02/21/20 03:40	1
Bromodichloromethane	ND		0.20	0.035	ppb v/v			02/21/20 03:40	1
cis-1,3-Dichloropropene	ND		0.20	0.032	ppb v/v			02/21/20 03:40	1
methyl isobutyl ketone	ND		0.50	0.036	ppb v/v			02/21/20 03:40	1
Toluene	0.50		0.20	0.11	ppb v/v			02/21/20 03:40	1
trans-1,3-Dichloropropene	ND		0.20	0.039	ppb v/v			02/21/20 03:40	1
1,1,2-Trichloroethane	ND		0.20	0.036	ppb v/v			02/21/20 03:40	1
Tetrachloroethene	0.038	J	0.20	0.033	ppb v/v			02/21/20 03:40	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.048	ppb v/v			02/21/20 03:40	1
Dibromochloromethane	ND		0.20	0.036	ppb v/v			02/21/20 03:40	1
1,2-Dibromoethane	ND		0.20	0.049	ppb v/v			02/21/20 03:40	1
Chlorobenzene	ND		0.20	0.056	ppb v/v			02/21/20 03:40	1
Ethylbenzene	0.11	J	0.20	0.063	ppb v/v			02/21/20 03:40	1
m,p-Xylene	0.35	J	0.50	0.10	ppb v/v			02/21/20 03:40	1
Xylene, o-	0.11	J	0.20	0.048	ppb v/v			02/21/20 03:40	1
Xylene (total)	0.46	J	0.70	0.048	ppb v/v			02/21/20 03:40	1
Styrene	0.040	J	0.20	0.040	ppb v/v			02/21/20 03:40	1
Bromoform	ND		0.20	0.048	ppb v/v			02/21/20 03:40	1
Cumene	ND		0.20	0.035	ppb v/v			02/21/20 03:40	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.042	ppb v/v			02/21/20 03:40	1
n-Propylbenzene	ND		0.20	0.039	ppb v/v			02/21/20 03:40	1
4-Ethyltoluene	ND		0.20	0.041	ppb v/v			02/21/20 03:40	1
1,3,5-Trimethylbenzene	ND		0.20	0.039	ppb v/v			02/21/20 03:40	1
2-Chlorotoluene	ND		0.20	0.042	ppb v/v			02/21/20 03:40	1
tert-Butylbenzene	ND		0.20	0.035	ppb v/v			02/21/20 03:40	1
1,2,4-Trimethylbenzene	ND		0.20	0.044	ppb v/v			02/21/20 03:40	1
sec-Butylbenzene	ND		0.20	0.035	ppb v/v			02/21/20 03:40	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SS-SV-06-021420

Lab Sample ID: 200-52685-3

Date Collected: 02/14/20 10:45

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		0.20	0.039	ppb v/v			02/21/20 03:40	1
1,3-Dichlorobenzene	ND		0.20	0.11	ppb v/v			02/21/20 03:40	1
1,4-Dichlorobenzene	ND		0.20	0.12	ppb v/v			02/21/20 03:40	1
Benzyl chloride	ND		0.20	0.085	ppb v/v			02/21/20 03:40	1
n-Butylbenzene	ND		0.20	0.039	ppb v/v			02/21/20 03:40	1
1,2-Dichlorobenzene	ND		0.20	0.097	ppb v/v			02/21/20 03:40	1
1,2,4-Trichlorobenzene	ND		0.50	0.22	ppb v/v			02/21/20 03:40	1
Hexachlorobutadiene	ND		0.20	0.076	ppb v/v			02/21/20 03:40	1
Naphthalene	ND		0.50	0.17	ppb v/v			02/21/20 03:40	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.8	J	2.5	0.54	ug/m3			02/21/20 03:40	1
Freon 22	4.5		1.8	0.42	ug/m3			02/21/20 03:40	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.24	ug/m3			02/21/20 03:40	1
Chloromethane	0.99	J	1.0	0.23	ug/m3			02/21/20 03:40	1
n-Butane	3.3		1.2	0.26	ug/m3			02/21/20 03:40	1
Vinyl chloride	ND		0.15	0.11	ug/m3			02/21/20 03:40	1
1,3-Butadiene	0.32	J	0.44	0.13	ug/m3			02/21/20 03:40	1
Bromomethane	ND		0.78	0.20	ug/m3			02/21/20 03:40	1
Chloroethane	ND		1.3	0.14	ug/m3			02/21/20 03:40	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.23	ug/m3			02/21/20 03:40	1
Trichlorofluoromethane	1.1		1.1	0.34	ug/m3			02/21/20 03:40	1
Freon TF	0.41	J	1.5	0.29	ug/m3			02/21/20 03:40	1
1,1-Dichloroethene	ND		0.79	0.15	ug/m3			02/21/20 03:40	1
Acetone	16		12	2.9	ug/m3			02/21/20 03:40	1
Isopropyl alcohol	14		12	1.2	ug/m3			02/21/20 03:40	1
Carbon disulfide	ND		1.6	0.23	ug/m3			02/21/20 03:40	1
3-Chloropropene	ND		1.6	0.20	ug/m3			02/21/20 03:40	1
Methylene Chloride	ND		1.7	0.94	ug/m3			02/21/20 03:40	1
tert-Butyl alcohol	0.85	J	15	0.12	ug/m3			02/21/20 03:40	1
Methyl tert-butyl ether	ND		0.72	0.12	ug/m3			02/21/20 03:40	1
trans-1,2-Dichloroethene	ND		0.79	0.17	ug/m3			02/21/20 03:40	1
n-Hexane	ND		0.70	0.70	ug/m3			02/21/20 03:40	1
1,1-Dichloroethane	ND		0.81	0.17	ug/m3			02/21/20 03:40	1
Methyl Ethyl Ketone	4.4		1.5	0.21	ug/m3			02/21/20 03:40	1
cis-1,2-Dichloroethene	ND		0.79	0.18	ug/m3			02/21/20 03:40	1
1,2-Dichloroethene, Total	ND		1.6	0.17	ug/m3			02/21/20 03:40	1
Chloroform	0.25	J	0.98	0.16	ug/m3			02/21/20 03:40	1
Tetrahydrofuran	0.26	J	15	0.19	ug/m3			02/21/20 03:40	1
1,1,1-Trichloroethane	1.2		1.1	0.20	ug/m3			02/21/20 03:40	1
Cyclohexane	0.67		0.69	0.16	ug/m3			02/21/20 03:40	1
Carbon tetrachloride	0.33	J	0.38	0.15	ug/m3			02/21/20 03:40	1
2,2,4-Trimethylpentane	0.22	J	0.93	0.19	ug/m3			02/21/20 03:40	1
Benzene	0.57	J	0.64	0.21	ug/m3			02/21/20 03:40	1
1,2-Dichloroethane	ND		0.81	0.13	ug/m3			02/21/20 03:40	1
n-Heptane	0.57	J	0.82	0.23	ug/m3			02/21/20 03:40	1
Trichloroethene	ND		0.32	0.19	ug/m3			02/21/20 03:40	1
Methyl methacrylate	ND		2.0	0.14	ug/m3			02/21/20 03:40	1
1,2-Dichloropropane	ND		0.92	0.15	ug/m3			02/21/20 03:40	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SS-SV-06-021420

Lab Sample ID: 200-52685-3

Date Collected: 02/14/20 10:45

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		18	0.30	ug/m3			02/21/20 03:40	1
Bromodichloromethane	ND		1.3	0.23	ug/m3			02/21/20 03:40	1
cis-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			02/21/20 03:40	1
methyl isobutyl ketone	ND		2.0	0.15	ug/m3			02/21/20 03:40	1
Toluene	1.9		0.75	0.41	ug/m3			02/21/20 03:40	1
trans-1,3-Dichloropropene	ND		0.91	0.18	ug/m3			02/21/20 03:40	1
1,1,2-Trichloroethane	ND		1.1	0.20	ug/m3			02/21/20 03:40	1
Tetrachloroethene	0.25	J	1.4	0.22	ug/m3			02/21/20 03:40	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.20	ug/m3			02/21/20 03:40	1
Dibromochloromethane	ND		1.7	0.31	ug/m3			02/21/20 03:40	1
1,2-Dibromoethane	ND		1.5	0.38	ug/m3			02/21/20 03:40	1
Chlorobenzene	ND		0.92	0.26	ug/m3			02/21/20 03:40	1
Ethylbenzene	0.46	J	0.87	0.27	ug/m3			02/21/20 03:40	1
m,p-Xylene	1.5	J	2.2	0.43	ug/m3			02/21/20 03:40	1
Xylene, o-	0.49	J	0.87	0.21	ug/m3			02/21/20 03:40	1
Xylene (total)	2.0	J	3.0	0.21	ug/m3			02/21/20 03:40	1
Styrene	0.17	J	0.85	0.17	ug/m3			02/21/20 03:40	1
Bromoform	ND		2.1	0.50	ug/m3			02/21/20 03:40	1
Cumene	ND		0.98	0.17	ug/m3			02/21/20 03:40	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.29	ug/m3			02/21/20 03:40	1
n-Propylbenzene	ND		0.98	0.19	ug/m3			02/21/20 03:40	1
4-Ethyltoluene	ND		0.98	0.20	ug/m3			02/21/20 03:40	1
1,3,5-Trimethylbenzene	ND		0.98	0.19	ug/m3			02/21/20 03:40	1
2-Chlorotoluene	ND		1.0	0.22	ug/m3			02/21/20 03:40	1
tert-Butylbenzene	ND		1.1	0.19	ug/m3			02/21/20 03:40	1
1,2,4-Trimethylbenzene	ND		0.98	0.22	ug/m3			02/21/20 03:40	1
sec-Butylbenzene	ND		1.1	0.19	ug/m3			02/21/20 03:40	1
4-Isopropyltoluene	ND		1.1	0.21	ug/m3			02/21/20 03:40	1
1,3-Dichlorobenzene	ND		1.2	0.66	ug/m3			02/21/20 03:40	1
1,4-Dichlorobenzene	ND		1.2	0.72	ug/m3			02/21/20 03:40	1
Benzyl chloride	ND		1.0	0.44	ug/m3			02/21/20 03:40	1
n-Butylbenzene	ND		1.1	0.21	ug/m3			02/21/20 03:40	1
1,2-Dichlorobenzene	ND		1.2	0.58	ug/m3			02/21/20 03:40	1
1,2,4-Trichlorobenzene	ND		3.7	1.6	ug/m3			02/21/20 03:40	1
Hexachlorobutadiene	ND		2.1	0.81	ug/m3			02/21/20 03:40	1
Naphthalene	ND		2.6	0.89	ug/m3			02/21/20 03:40	1

Client Sample ID: IA-06-021420

Lab Sample ID: 200-52685-4

Date Collected: 02/14/20 10:50

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.34	J	0.50	0.11	ppb v/v			02/21/20 04:34	1
Freon 22	0.31	J	0.50	0.12	ppb v/v			02/21/20 04:34	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.035	ppb v/v			02/21/20 04:34	1
Chloromethane	0.72		0.50	0.11	ppb v/v			02/21/20 04:34	1
n-Butane	1.4		0.50	0.11	ppb v/v			02/21/20 04:34	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: IA-06-021420

Lab Sample ID: 200-52685-4

Date Collected: 02/14/20 10:50

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.060	0.044	ppb v/v			02/21/20 04:34	1
1,3-Butadiene	0.23		0.20	0.057	ppb v/v			02/21/20 04:34	1
Bromomethane	ND		0.20	0.051	ppb v/v			02/21/20 04:34	1
Chloroethane	ND		0.50	0.054	ppb v/v			02/21/20 04:34	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.052	ppb v/v			02/21/20 04:34	1
Trichlorofluoromethane	0.21		0.20	0.060	ppb v/v			02/21/20 04:34	1
Freon TF	0.055 J		0.20	0.038	ppb v/v			02/21/20 04:34	1
1,1-Dichloroethene	ND		0.20	0.039	ppb v/v			02/21/20 04:34	1
Acetone	10		5.0	1.2	ppb v/v			02/21/20 04:34	1
Isopropyl alcohol	13		5.0	0.48	ppb v/v			02/21/20 04:34	1
Carbon disulfide	0.50		0.50	0.074	ppb v/v			02/21/20 04:34	1
3-Chloropropene	ND		0.50	0.064	ppb v/v			02/21/20 04:34	1
Methylene Chloride	ND		0.50	0.27	ppb v/v			02/21/20 04:34	1
tert-Butyl alcohol	0.87 J		5.0	0.038	ppb v/v			02/21/20 04:34	1
Methyl tert-butyl ether	ND		0.20	0.033	ppb v/v			02/21/20 04:34	1
trans-1,2-Dichloroethene	ND		0.20	0.042	ppb v/v			02/21/20 04:34	1
n-Hexane	ND		0.20	0.20	ppb v/v			02/21/20 04:34	1
1,1-Dichloroethane	ND		0.20	0.041	ppb v/v			02/21/20 04:34	1
Methyl Ethyl Ketone	4.7		0.50	0.072	ppb v/v			02/21/20 04:34	1
cis-1,2-Dichloroethene	ND		0.20	0.045	ppb v/v			02/21/20 04:34	1
1,2-Dichloroethene, Total	ND		0.40	0.042	ppb v/v			02/21/20 04:34	1
Chloroform	0.069 J		0.20	0.032	ppb v/v			02/21/20 04:34	1
Tetrahydrofuran	0.30 J		5.0	0.066	ppb v/v			02/21/20 04:34	1
1,1,1-Trichloroethane	0.39		0.20	0.036	ppb v/v			02/21/20 04:34	1
Cyclohexane	0.28		0.20	0.046	ppb v/v			02/21/20 04:34	1
Carbon tetrachloride	0.058 J		0.060	0.024	ppb v/v			02/21/20 04:34	1
2,2,4-Trimethylpentane	ND		0.20	0.041	ppb v/v			02/21/20 04:34	1
Benzene	0.19 J		0.20	0.067	ppb v/v			02/21/20 04:34	1
1,2-Dichloroethane	ND		0.20	0.032	ppb v/v			02/21/20 04:34	1
n-Heptane	0.21		0.20	0.056	ppb v/v			02/21/20 04:34	1
Trichloroethene	ND		0.060	0.035	ppb v/v			02/21/20 04:34	1
Methyl methacrylate	ND		0.50	0.033	ppb v/v			02/21/20 04:34	1
1,2-Dichloropropane	ND		0.20	0.033	ppb v/v			02/21/20 04:34	1
1,4-Dioxane	ND		5.0	0.084	ppb v/v			02/21/20 04:34	1
Bromodichloromethane	ND		0.20	0.035	ppb v/v			02/21/20 04:34	1
cis-1,3-Dichloropropene	ND		0.20	0.032	ppb v/v			02/21/20 04:34	1
methyl isobutyl ketone	ND		0.50	0.036	ppb v/v			02/21/20 04:34	1
Toluene	0.53		0.20	0.11	ppb v/v			02/21/20 04:34	1
trans-1,3-Dichloropropene	ND		0.20	0.039	ppb v/v			02/21/20 04:34	1
1,1,2-Trichloroethane	ND		0.20	0.036	ppb v/v			02/21/20 04:34	1
Tetrachloroethene	0.034 J		0.20	0.033	ppb v/v			02/21/20 04:34	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.048	ppb v/v			02/21/20 04:34	1
Dibromochloromethane	ND		0.20	0.036	ppb v/v			02/21/20 04:34	1
1,2-Dibromoethane	ND		0.20	0.049	ppb v/v			02/21/20 04:34	1
Chlorobenzene	ND		0.20	0.056	ppb v/v			02/21/20 04:34	1
Ethylbenzene	0.099 J		0.20	0.063	ppb v/v			02/21/20 04:34	1
m,p-Xylene	0.36 J		0.50	0.10	ppb v/v			02/21/20 04:34	1
Xylene, o-	0.099 J		0.20	0.048	ppb v/v			02/21/20 04:34	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: IA-06-021420

Lab Sample ID: 200-52685-4

Date Collected: 02/14/20 10:50

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylene (total)	0.46	J	0.70	0.048	ppb v/v			02/21/20 04:34	1
Styrene	ND		0.20	0.040	ppb v/v			02/21/20 04:34	1
Bromoform	ND		0.20	0.048	ppb v/v			02/21/20 04:34	1
Cumene	ND		0.20	0.035	ppb v/v			02/21/20 04:34	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.042	ppb v/v			02/21/20 04:34	1
n-Propylbenzene	ND		0.20	0.039	ppb v/v			02/21/20 04:34	1
4-Ethyltoluene	ND		0.20	0.041	ppb v/v			02/21/20 04:34	1
1,3,5-Trimethylbenzene	ND		0.20	0.039	ppb v/v			02/21/20 04:34	1
2-Chlorotoluene	ND		0.20	0.042	ppb v/v			02/21/20 04:34	1
tert-Butylbenzene	ND		0.20	0.035	ppb v/v			02/21/20 04:34	1
1,2,4-Trimethylbenzene	ND		0.20	0.044	ppb v/v			02/21/20 04:34	1
sec-Butylbenzene	ND		0.20	0.035	ppb v/v			02/21/20 04:34	1
4-Isopropyltoluene	ND		0.20	0.039	ppb v/v			02/21/20 04:34	1
1,3-Dichlorobenzene	ND		0.20	0.11	ppb v/v			02/21/20 04:34	1
1,4-Dichlorobenzene	ND		0.20	0.12	ppb v/v			02/21/20 04:34	1
Benzyl chloride	ND		0.20	0.085	ppb v/v			02/21/20 04:34	1
n-Butylbenzene	ND		0.20	0.039	ppb v/v			02/21/20 04:34	1
1,2-Dichlorobenzene	ND		0.20	0.097	ppb v/v			02/21/20 04:34	1
1,2,4-Trichlorobenzene	ND		0.50	0.22	ppb v/v			02/21/20 04:34	1
Hexachlorobutadiene	ND		0.20	0.076	ppb v/v			02/21/20 04:34	1
Naphthalene	ND		0.50	0.17	ppb v/v			02/21/20 04:34	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.7	J	2.5	0.54	ug/m3			02/21/20 04:34	1
Freon 22	1.1	J	1.8	0.42	ug/m3			02/21/20 04:34	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.24	ug/m3			02/21/20 04:34	1
Chloromethane	1.5		1.0	0.23	ug/m3			02/21/20 04:34	1
n-Butane	3.4		1.2	0.26	ug/m3			02/21/20 04:34	1
Vinyl chloride	ND		0.15	0.11	ug/m3			02/21/20 04:34	1
1,3-Butadiene	0.50		0.44	0.13	ug/m3			02/21/20 04:34	1
Bromomethane	ND		0.78	0.20	ug/m3			02/21/20 04:34	1
Chloroethane	ND		1.3	0.14	ug/m3			02/21/20 04:34	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.23	ug/m3			02/21/20 04:34	1
Trichlorofluoromethane	1.2		1.1	0.34	ug/m3			02/21/20 04:34	1
Freon TF	0.42	J	1.5	0.29	ug/m3			02/21/20 04:34	1
1,1-Dichloroethene	ND		0.79	0.15	ug/m3			02/21/20 04:34	1
Acetone	25		12	2.9	ug/m3			02/21/20 04:34	1
Isopropyl alcohol	32		12	1.2	ug/m3			02/21/20 04:34	1
Carbon disulfide	1.6		1.6	0.23	ug/m3			02/21/20 04:34	1
3-Chloropropene	ND		1.6	0.20	ug/m3			02/21/20 04:34	1
Methylene Chloride	ND		1.7	0.94	ug/m3			02/21/20 04:34	1
tert-Butyl alcohol	2.6	J	15	0.12	ug/m3			02/21/20 04:34	1
Methyl tert-butyl ether	ND		0.72	0.12	ug/m3			02/21/20 04:34	1
trans-1,2-Dichloroethene	ND		0.79	0.17	ug/m3			02/21/20 04:34	1
n-Hexane	ND		0.70	0.70	ug/m3			02/21/20 04:34	1
1,1-Dichloroethane	ND		0.81	0.17	ug/m3			02/21/20 04:34	1
Methyl Ethyl Ketone	14		1.5	0.21	ug/m3			02/21/20 04:34	1
cis-1,2-Dichloroethene	ND		0.79	0.18	ug/m3			02/21/20 04:34	1
1,2-Dichloroethene, Total	ND		1.6	0.17	ug/m3			02/21/20 04:34	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: IA-06-021420

Lab Sample ID: 200-52685-4

Date Collected: 02/14/20 10:50

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	0.34	J	0.98	0.16	ug/m3			02/21/20 04:34	1
Tetrahydrofuran	0.89	J	15	0.19	ug/m3			02/21/20 04:34	1
1,1,1-Trichloroethane	2.2		1.1	0.20	ug/m3			02/21/20 04:34	1
Cyclohexane	0.98		0.69	0.16	ug/m3			02/21/20 04:34	1
Carbon tetrachloride	0.36	J	0.38	0.15	ug/m3			02/21/20 04:34	1
2,2,4-Trimethylpentane	ND		0.93	0.19	ug/m3			02/21/20 04:34	1
Benzene	0.61	J	0.64	0.21	ug/m3			02/21/20 04:34	1
1,2-Dichloroethane	ND		0.81	0.13	ug/m3			02/21/20 04:34	1
n-Heptane	0.86		0.82	0.23	ug/m3			02/21/20 04:34	1
Trichloroethene	ND		0.32	0.19	ug/m3			02/21/20 04:34	1
Methyl methacrylate	ND		2.0	0.14	ug/m3			02/21/20 04:34	1
1,2-Dichloropropane	ND		0.92	0.15	ug/m3			02/21/20 04:34	1
1,4-Dioxane	ND		18	0.30	ug/m3			02/21/20 04:34	1
Bromodichloromethane	ND		1.3	0.23	ug/m3			02/21/20 04:34	1
cis-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			02/21/20 04:34	1
methyl isobutyl ketone	ND		2.0	0.15	ug/m3			02/21/20 04:34	1
Toluene	2.0		0.75	0.41	ug/m3			02/21/20 04:34	1
trans-1,3-Dichloropropene	ND		0.91	0.18	ug/m3			02/21/20 04:34	1
1,1,2-Trichloroethane	ND		1.1	0.20	ug/m3			02/21/20 04:34	1
Tetrachloroethene	0.23	J	1.4	0.22	ug/m3			02/21/20 04:34	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.20	ug/m3			02/21/20 04:34	1
Dibromochloromethane	ND		1.7	0.31	ug/m3			02/21/20 04:34	1
1,2-Dibromoethane	ND		1.5	0.38	ug/m3			02/21/20 04:34	1
Chlorobenzene	ND		0.92	0.26	ug/m3			02/21/20 04:34	1
Ethylbenzene	0.43	J	0.87	0.27	ug/m3			02/21/20 04:34	1
m,p-Xylene	1.6	J	2.2	0.43	ug/m3			02/21/20 04:34	1
Xylene, o-	0.43	J	0.87	0.21	ug/m3			02/21/20 04:34	1
Xylene (total)	2.0	J	3.0	0.21	ug/m3			02/21/20 04:34	1
Styrene	ND		0.85	0.17	ug/m3			02/21/20 04:34	1
Bromoform	ND		2.1	0.50	ug/m3			02/21/20 04:34	1
Cumene	ND		0.98	0.17	ug/m3			02/21/20 04:34	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.29	ug/m3			02/21/20 04:34	1
n-Propylbenzene	ND		0.98	0.19	ug/m3			02/21/20 04:34	1
4-Ethyltoluene	ND		0.98	0.20	ug/m3			02/21/20 04:34	1
1,3,5-Trimethylbenzene	ND		0.98	0.19	ug/m3			02/21/20 04:34	1
2-Chlorotoluene	ND		1.0	0.22	ug/m3			02/21/20 04:34	1
tert-Butylbenzene	ND		1.1	0.19	ug/m3			02/21/20 04:34	1
1,2,4-Trimethylbenzene	ND		0.98	0.22	ug/m3			02/21/20 04:34	1
sec-Butylbenzene	ND		1.1	0.19	ug/m3			02/21/20 04:34	1
4-Isopropyltoluene	ND		1.1	0.21	ug/m3			02/21/20 04:34	1
1,3-Dichlorobenzene	ND		1.2	0.66	ug/m3			02/21/20 04:34	1
1,4-Dichlorobenzene	ND		1.2	0.72	ug/m3			02/21/20 04:34	1
Benzyl chloride	ND		1.0	0.44	ug/m3			02/21/20 04:34	1
n-Butylbenzene	ND		1.1	0.21	ug/m3			02/21/20 04:34	1
1,2-Dichlorobenzene	ND		1.2	0.58	ug/m3			02/21/20 04:34	1
1,2,4-Trichlorobenzene	ND		3.7	1.6	ug/m3			02/21/20 04:34	1
Hexachlorobutadiene	ND		2.1	0.81	ug/m3			02/21/20 04:34	1
Naphthalene	ND		2.6	0.89	ug/m3			02/21/20 04:34	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SS-SV-05-021420

Lab Sample ID: 200-52685-5

Date Collected: 02/14/20 11:00

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.53		0.50	0.11	ppb v/v			02/21/20 12:19	1
Freon 22	0.49	J	0.50	0.12	ppb v/v			02/21/20 12:19	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.035	ppb v/v			02/21/20 12:19	1
Chloromethane	0.59		0.50	0.11	ppb v/v			02/21/20 12:19	1
n-Butane	13		0.50	0.11	ppb v/v			02/21/20 12:19	1
Vinyl chloride	ND		0.060	0.044	ppb v/v			02/21/20 12:19	1
1,3-Butadiene	0.38		0.20	0.057	ppb v/v			02/21/20 12:19	1
Bromomethane	ND		0.20	0.051	ppb v/v			02/21/20 12:19	1
Chloroethane	ND		0.50	0.054	ppb v/v			02/21/20 12:19	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.052	ppb v/v			02/21/20 12:19	1
Trichlorofluoromethane	0.23		0.20	0.060	ppb v/v			02/21/20 12:19	1
Freon TF	0.065	J	0.20	0.038	ppb v/v			02/21/20 12:19	1
1,1-Dichloroethene	ND		0.20	0.039	ppb v/v			02/21/20 12:19	1
Acetone	46	E	5.0	1.2	ppb v/v			02/21/20 12:19	1
Isopropyl alcohol	480	E	5.0	0.48	ppb v/v			02/21/20 12:19	1
Carbon disulfide	1.6		0.50	0.074	ppb v/v			02/21/20 12:19	1
3-Chloropropene	ND		0.50	0.064	ppb v/v			02/21/20 12:19	1
Methylene Chloride	1.7		0.50	0.27	ppb v/v			02/21/20 12:19	1
tert-Butyl alcohol	0.73	J	5.0	0.038	ppb v/v			02/21/20 12:19	1
Methyl tert-butyl ether	ND		0.20	0.033	ppb v/v			02/21/20 12:19	1
trans-1,2-Dichloroethene	ND		0.20	0.042	ppb v/v			02/21/20 12:19	1
n-Hexane	0.90		0.20	0.20	ppb v/v			02/21/20 12:19	1
1,1-Dichloroethane	ND		0.20	0.041	ppb v/v			02/21/20 12:19	1
Methyl Ethyl Ketone	0.42	J	0.50	0.072	ppb v/v			02/21/20 12:19	1
cis-1,2-Dichloroethene	ND		0.20	0.045	ppb v/v			02/21/20 12:19	1
1,2-Dichloroethene, Total	ND		0.40	0.042	ppb v/v			02/21/20 12:19	1
Chloroform	0.078	J	0.20	0.032	ppb v/v			02/21/20 12:19	1
Tetrahydrofuran	ND		5.0	0.066	ppb v/v			02/21/20 12:19	1
1,1,1-Trichloroethane	0.12	J	0.20	0.036	ppb v/v			02/21/20 12:19	1
Cyclohexane	0.34		0.20	0.046	ppb v/v			02/21/20 12:19	1
Carbon tetrachloride	0.068		0.060	0.024	ppb v/v			02/21/20 12:19	1
2,2,4-Trimethylpentane	ND		0.20	0.041	ppb v/v			02/21/20 12:19	1
Benzene	0.19	J	0.20	0.067	ppb v/v			02/21/20 12:19	1
1,2-Dichloroethane	ND		0.20	0.032	ppb v/v			02/21/20 12:19	1
n-Heptane	0.077	J	0.20	0.056	ppb v/v			02/21/20 12:19	1
Trichloroethene	0.21		0.060	0.035	ppb v/v			02/21/20 12:19	1
Methyl methacrylate	ND		0.50	0.033	ppb v/v			02/21/20 12:19	1
1,2-Dichloropropane	ND		0.20	0.033	ppb v/v			02/21/20 12:19	1
1,4-Dioxane	ND		5.0	0.084	ppb v/v			02/21/20 12:19	1
Bromodichloromethane	ND		0.20	0.035	ppb v/v			02/21/20 12:19	1
cis-1,3-Dichloropropene	ND		0.20	0.032	ppb v/v			02/21/20 12:19	1
methyl isobutyl ketone	ND		0.50	0.036	ppb v/v			02/21/20 12:19	1
Toluene	0.82		0.20	0.11	ppb v/v			02/21/20 12:19	1
trans-1,3-Dichloropropene	ND		0.20	0.039	ppb v/v			02/21/20 12:19	1
1,1,2-Trichloroethane	ND		0.20	0.036	ppb v/v			02/21/20 12:19	1
Tetrachloroethene	0.93		0.20	0.033	ppb v/v			02/21/20 12:19	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.048	ppb v/v			02/21/20 12:19	1
Dibromochloromethane	ND		0.20	0.036	ppb v/v			02/21/20 12:19	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SS-SV-05-021420

Lab Sample ID: 200-52685-5

Date Collected: 02/14/20 11:00

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.20	0.049	ppb v/v			02/21/20 12:19	1
Chlorobenzene	ND		0.20	0.056	ppb v/v			02/21/20 12:19	1
Ethylbenzene	0.18	J	0.20	0.063	ppb v/v			02/21/20 12:19	1
m,p-Xylene	0.57		0.50	0.10	ppb v/v			02/21/20 12:19	1
Xylene, o-	0.12	J	0.20	0.048	ppb v/v			02/21/20 12:19	1
Xylene (total)	0.69	J	0.70	0.048	ppb v/v			02/21/20 12:19	1
Styrene	ND		0.20	0.040	ppb v/v			02/21/20 12:19	1
Bromoform	ND		0.20	0.048	ppb v/v			02/21/20 12:19	1
Cumene	ND		0.20	0.035	ppb v/v			02/21/20 12:19	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.042	ppb v/v			02/21/20 12:19	1
n-Propylbenzene	ND		0.20	0.039	ppb v/v			02/21/20 12:19	1
4-Ethyltoluene	ND		0.20	0.041	ppb v/v			02/21/20 12:19	1
1,3,5-Trimethylbenzene	ND		0.20	0.039	ppb v/v			02/21/20 12:19	1
2-Chlorotoluene	ND		0.20	0.042	ppb v/v			02/21/20 12:19	1
tert-Butylbenzene	ND		0.20	0.035	ppb v/v			02/21/20 12:19	1
1,2,4-Trimethylbenzene	ND		0.20	0.044	ppb v/v			02/21/20 12:19	1
sec-Butylbenzene	ND		0.20	0.035	ppb v/v			02/21/20 12:19	1
4-Isopropyltoluene	ND		0.20	0.039	ppb v/v			02/21/20 12:19	1
1,3-Dichlorobenzene	ND		0.20	0.11	ppb v/v			02/21/20 12:19	1
1,4-Dichlorobenzene	ND		0.20	0.12	ppb v/v			02/21/20 12:19	1
Benzyl chloride	ND		0.20	0.085	ppb v/v			02/21/20 12:19	1
n-Butylbenzene	ND		0.20	0.039	ppb v/v			02/21/20 12:19	1
1,2-Dichlorobenzene	ND		0.20	0.097	ppb v/v			02/21/20 12:19	1
1,2,4-Trichlorobenzene	ND		0.50	0.22	ppb v/v			02/21/20 12:19	1
Hexachlorobutadiene	ND		0.20	0.076	ppb v/v			02/21/20 12:19	1
Naphthalene	ND		0.50	0.17	ppb v/v			02/21/20 12:19	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.6		2.5	0.54	ug/m3			02/21/20 12:19	1
Freon 22	1.7	J	1.8	0.42	ug/m3			02/21/20 12:19	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.24	ug/m3			02/21/20 12:19	1
Chloromethane	1.2		1.0	0.23	ug/m3			02/21/20 12:19	1
n-Butane	31		1.2	0.26	ug/m3			02/21/20 12:19	1
Vinyl chloride	ND		0.15	0.11	ug/m3			02/21/20 12:19	1
1,3-Butadiene	0.85		0.44	0.13	ug/m3			02/21/20 12:19	1
Bromomethane	ND		0.78	0.20	ug/m3			02/21/20 12:19	1
Chloroethane	ND		1.3	0.14	ug/m3			02/21/20 12:19	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.23	ug/m3			02/21/20 12:19	1
Trichlorofluoromethane	1.3		1.1	0.34	ug/m3			02/21/20 12:19	1
Freon TF	0.50	J	1.5	0.29	ug/m3			02/21/20 12:19	1
1,1-Dichloroethene	ND		0.79	0.15	ug/m3			02/21/20 12:19	1
Acetone	110	E	12	2.9	ug/m3			02/21/20 12:19	1
Isopropyl alcohol	1200	E	12	1.2	ug/m3			02/21/20 12:19	1
Carbon disulfide	5.1		1.6	0.23	ug/m3			02/21/20 12:19	1
3-Chloropropene	ND		1.6	0.20	ug/m3			02/21/20 12:19	1
Methylene Chloride	6.0		1.7	0.94	ug/m3			02/21/20 12:19	1
tert-Butyl alcohol	2.2	J	15	0.12	ug/m3			02/21/20 12:19	1
Methyl tert-butyl ether	ND		0.72	0.12	ug/m3			02/21/20 12:19	1
trans-1,2-Dichloroethene	ND		0.79	0.17	ug/m3			02/21/20 12:19	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SS-SV-05-021420

Lab Sample ID: 200-52685-5

Date Collected: 02/14/20 11:00

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Hexane	3.2		0.70	0.70	ug/m3			02/21/20 12:19	1
1,1-Dichloroethane	ND		0.81	0.17	ug/m3			02/21/20 12:19	1
Methyl Ethyl Ketone	1.2	J	1.5	0.21	ug/m3			02/21/20 12:19	1
cis-1,2-Dichloroethene	ND		0.79	0.18	ug/m3			02/21/20 12:19	1
1,2-Dichloroethene, Total	ND		1.6	0.17	ug/m3			02/21/20 12:19	1
Chloroform	0.38	J	0.98	0.16	ug/m3			02/21/20 12:19	1
Tetrahydrofuran	ND		15	0.19	ug/m3			02/21/20 12:19	1
1,1,1-Trichloroethane	0.67	J	1.1	0.20	ug/m3			02/21/20 12:19	1
Cyclohexane	1.2		0.69	0.16	ug/m3			02/21/20 12:19	1
Carbon tetrachloride	0.43		0.38	0.15	ug/m3			02/21/20 12:19	1
2,2,4-Trimethylpentane	ND		0.93	0.19	ug/m3			02/21/20 12:19	1
Benzene	0.62	J	0.64	0.21	ug/m3			02/21/20 12:19	1
1,2-Dichloroethane	ND		0.81	0.13	ug/m3			02/21/20 12:19	1
n-Heptane	0.32	J	0.82	0.23	ug/m3			02/21/20 12:19	1
Trichloroethene	1.1		0.32	0.19	ug/m3			02/21/20 12:19	1
Methyl methacrylate	ND		2.0	0.14	ug/m3			02/21/20 12:19	1
1,2-Dichloropropane	ND		0.92	0.15	ug/m3			02/21/20 12:19	1
1,4-Dioxane	ND		18	0.30	ug/m3			02/21/20 12:19	1
Bromodichloromethane	ND		1.3	0.23	ug/m3			02/21/20 12:19	1
cis-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			02/21/20 12:19	1
methyl isobutyl ketone	ND		2.0	0.15	ug/m3			02/21/20 12:19	1
Toluene	3.1		0.75	0.41	ug/m3			02/21/20 12:19	1
trans-1,3-Dichloropropene	ND		0.91	0.18	ug/m3			02/21/20 12:19	1
1,1,2-Trichloroethane	ND		1.1	0.20	ug/m3			02/21/20 12:19	1
Tetrachloroethene	6.3		1.4	0.22	ug/m3			02/21/20 12:19	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.20	ug/m3			02/21/20 12:19	1
Dibromochloromethane	ND		1.7	0.31	ug/m3			02/21/20 12:19	1
1,2-Dibromoethane	ND		1.5	0.38	ug/m3			02/21/20 12:19	1
Chlorobenzene	ND		0.92	0.26	ug/m3			02/21/20 12:19	1
Ethylbenzene	0.77	J	0.87	0.27	ug/m3			02/21/20 12:19	1
m,p-Xylene	2.5		2.2	0.43	ug/m3			02/21/20 12:19	1
Xylene, o-	0.54	J	0.87	0.21	ug/m3			02/21/20 12:19	1
Xylene (total)	3.0	J	3.0	0.21	ug/m3			02/21/20 12:19	1
Styrene	ND		0.85	0.17	ug/m3			02/21/20 12:19	1
Bromoform	ND		2.1	0.50	ug/m3			02/21/20 12:19	1
Cumene	ND		0.98	0.17	ug/m3			02/21/20 12:19	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.29	ug/m3			02/21/20 12:19	1
n-Propylbenzene	ND		0.98	0.19	ug/m3			02/21/20 12:19	1
4-Ethyltoluene	ND		0.98	0.20	ug/m3			02/21/20 12:19	1
1,3,5-Trimethylbenzene	ND		0.98	0.19	ug/m3			02/21/20 12:19	1
2-Chlorotoluene	ND		1.0	0.22	ug/m3			02/21/20 12:19	1
tert-Butylbenzene	ND		1.1	0.19	ug/m3			02/21/20 12:19	1
1,2,4-Trimethylbenzene	ND		0.98	0.22	ug/m3			02/21/20 12:19	1
sec-Butylbenzene	ND		1.1	0.19	ug/m3			02/21/20 12:19	1
4-Isopropyltoluene	ND		1.1	0.21	ug/m3			02/21/20 12:19	1
1,3-Dichlorobenzene	ND		1.2	0.66	ug/m3			02/21/20 12:19	1
1,4-Dichlorobenzene	ND		1.2	0.72	ug/m3			02/21/20 12:19	1
Benzyl chloride	ND		1.0	0.44	ug/m3			02/21/20 12:19	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SS-SV-05-021420

Lab Sample ID: 200-52685-5

Date Collected: 02/14/20 11:00

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		1.1	0.21	ug/m3			02/21/20 12:19	1
1,2-Dichlorobenzene	ND		1.2	0.58	ug/m3			02/21/20 12:19	1
1,2,4-Trichlorobenzene	ND		3.7	1.6	ug/m3			02/21/20 12:19	1
Hexachlorobutadiene	ND		2.1	0.81	ug/m3			02/21/20 12:19	1
Naphthalene	ND		2.6	0.89	ug/m3			02/21/20 12:19	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		10	2.2	ppb v/v			02/21/20 13:09	20
Freon 22	ND		10	2.4	ppb v/v			02/21/20 13:09	20
1,2-Dichlorotetrafluoroethane	ND		4.0	0.70	ppb v/v			02/21/20 13:09	20
Chloromethane	ND		10	2.2	ppb v/v			02/21/20 13:09	20
n-Butane	13		10	2.2	ppb v/v			02/21/20 13:09	20
Vinyl chloride	ND		1.2	0.88	ppb v/v			02/21/20 13:09	20
1,3-Butadiene	ND		4.0	1.1	ppb v/v			02/21/20 13:09	20
Bromomethane	ND		4.0	1.0	ppb v/v			02/21/20 13:09	20
Chloroethane	ND		10	1.1	ppb v/v			02/21/20 13:09	20
Bromoethene(Vinyl Bromide)	ND		4.0	1.0	ppb v/v			02/21/20 13:09	20
Trichlorofluoromethane	ND		4.0	1.2	ppb v/v			02/21/20 13:09	20
Freon TF	ND		4.0	0.76	ppb v/v			02/21/20 13:09	20
1,1-Dichloroethene	ND		4.0	0.78	ppb v/v			02/21/20 13:09	20
Acetone	44	J	100	24	ppb v/v			02/21/20 13:09	20
Isopropyl alcohol	540		100	9.6	ppb v/v			02/21/20 13:09	20
Carbon disulfide	1.6	J	10	1.5	ppb v/v			02/21/20 13:09	20
3-Chloropropene	ND		10	1.3	ppb v/v			02/21/20 13:09	20
Methylene Chloride	ND		10	5.4	ppb v/v			02/21/20 13:09	20
tert-Butyl alcohol	ND		100	0.76	ppb v/v			02/21/20 13:09	20
Methyl tert-butyl ether	ND		4.0	0.66	ppb v/v			02/21/20 13:09	20
trans-1,2-Dichloroethene	ND		4.0	0.84	ppb v/v			02/21/20 13:09	20
n-Hexane	ND		4.0	4.0	ppb v/v			02/21/20 13:09	20
1,1-Dichloroethane	ND		4.0	0.82	ppb v/v			02/21/20 13:09	20
Methyl Ethyl Ketone	ND		10	1.4	ppb v/v			02/21/20 13:09	20
cis-1,2-Dichloroethene	ND		4.0	0.90	ppb v/v			02/21/20 13:09	20
1,2-Dichloroethene, Total	ND		8.0	0.84	ppb v/v			02/21/20 13:09	20
Chloroform	ND		4.0	0.64	ppb v/v			02/21/20 13:09	20
Tetrahydrofuran	ND		100	1.3	ppb v/v			02/21/20 13:09	20
1,1,1-Trichloroethane	ND		4.0	0.72	ppb v/v			02/21/20 13:09	20
Cyclohexane	ND		4.0	0.92	ppb v/v			02/21/20 13:09	20
Carbon tetrachloride	ND		1.2	0.48	ppb v/v			02/21/20 13:09	20
2,2,4-Trimethylpentane	ND		4.0	0.82	ppb v/v			02/21/20 13:09	20
Benzene	ND		4.0	1.3	ppb v/v			02/21/20 13:09	20
1,2-Dichloroethane	ND		4.0	0.64	ppb v/v			02/21/20 13:09	20
n-Heptane	ND		4.0	1.1	ppb v/v			02/21/20 13:09	20
Trichloroethene	ND		1.2	0.70	ppb v/v			02/21/20 13:09	20
Methyl methacrylate	ND		10	0.66	ppb v/v			02/21/20 13:09	20
1,2-Dichloropropane	ND		4.0	0.66	ppb v/v			02/21/20 13:09	20
1,4-Dioxane	ND		100	1.7	ppb v/v			02/21/20 13:09	20
Bromodichloromethane	ND		4.0	0.70	ppb v/v			02/21/20 13:09	20
cis-1,3-Dichloropropene	ND		4.0	0.64	ppb v/v			02/21/20 13:09	20

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SS-SV-05-021420

Lab Sample ID: 200-52685-5

Date Collected: 02/14/20 11:00

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
methyl isobutyl ketone	ND		10	0.72	ppb v/v			02/21/20 13:09	20
Toluene	ND		4.0	2.2	ppb v/v			02/21/20 13:09	20
trans-1,3-Dichloropropene	ND		4.0	0.78	ppb v/v			02/21/20 13:09	20
1,1,2-Trichloroethane	ND		4.0	0.72	ppb v/v			02/21/20 13:09	20
Tetrachloroethene	0.76	J	4.0	0.66	ppb v/v			02/21/20 13:09	20
Methyl Butyl Ketone (2-Hexanone)	ND		10	0.96	ppb v/v			02/21/20 13:09	20
Dibromochloromethane	ND		4.0	0.72	ppb v/v			02/21/20 13:09	20
1,2-Dibromoethane	ND		4.0	0.98	ppb v/v			02/21/20 13:09	20
Chlorobenzene	ND		4.0	1.1	ppb v/v			02/21/20 13:09	20
Ethylbenzene	ND		4.0	1.3	ppb v/v			02/21/20 13:09	20
m,p-Xylene	ND		10	2.0	ppb v/v			02/21/20 13:09	20
Xylene, o-	ND		4.0	0.96	ppb v/v			02/21/20 13:09	20
Xylene (total)	ND		14	0.96	ppb v/v			02/21/20 13:09	20
Styrene	ND		4.0	0.80	ppb v/v			02/21/20 13:09	20
Bromoform	ND		4.0	0.96	ppb v/v			02/21/20 13:09	20
Cumene	ND		4.0	0.70	ppb v/v			02/21/20 13:09	20
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ppb v/v			02/21/20 13:09	20
n-Propylbenzene	ND		4.0	0.78	ppb v/v			02/21/20 13:09	20
4-Ethyltoluene	ND		4.0	0.82	ppb v/v			02/21/20 13:09	20
1,3,5-Trimethylbenzene	ND		4.0	0.78	ppb v/v			02/21/20 13:09	20
2-Chlorotoluene	ND		4.0	0.84	ppb v/v			02/21/20 13:09	20
tert-Butylbenzene	ND		4.0	0.70	ppb v/v			02/21/20 13:09	20
1,2,4-Trimethylbenzene	ND		4.0	0.88	ppb v/v			02/21/20 13:09	20
sec-Butylbenzene	ND		4.0	0.70	ppb v/v			02/21/20 13:09	20
4-Isopropyltoluene	ND		4.0	0.78	ppb v/v			02/21/20 13:09	20
1,3-Dichlorobenzene	ND		4.0	2.2	ppb v/v			02/21/20 13:09	20
1,4-Dichlorobenzene	ND		4.0	2.4	ppb v/v			02/21/20 13:09	20
Benzyl chloride	ND		4.0	1.7	ppb v/v			02/21/20 13:09	20
n-Butylbenzene	ND		4.0	0.78	ppb v/v			02/21/20 13:09	20
1,2-Dichlorobenzene	ND		4.0	1.9	ppb v/v			02/21/20 13:09	20
1,2,4-Trichlorobenzene	ND		10	4.4	ppb v/v			02/21/20 13:09	20
Hexachlorobutadiene	ND		4.0	1.5	ppb v/v			02/21/20 13:09	20
Naphthalene	ND		10	3.4	ppb v/v			02/21/20 13:09	20
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		49	11	ug/m3			02/21/20 13:09	20
Freon 22	ND		35	8.5	ug/m3			02/21/20 13:09	20
1,2-Dichlorotetrafluoroethane	ND		28	4.9	ug/m3			02/21/20 13:09	20
Chloromethane	ND		21	4.5	ug/m3			02/21/20 13:09	20
n-Butane	31		24	5.2	ug/m3			02/21/20 13:09	20
Vinyl chloride	ND		3.1	2.2	ug/m3			02/21/20 13:09	20
1,3-Butadiene	ND		8.8	2.5	ug/m3			02/21/20 13:09	20
Bromomethane	ND		16	4.0	ug/m3			02/21/20 13:09	20
Chloroethane	ND		26	2.8	ug/m3			02/21/20 13:09	20
Bromoethene(Vinyl Bromide)	ND		17	4.5	ug/m3			02/21/20 13:09	20
Trichlorofluoromethane	ND		22	6.7	ug/m3			02/21/20 13:09	20
Freon TF	ND		31	5.8	ug/m3			02/21/20 13:09	20
1,1-Dichloroethene	ND		16	3.1	ug/m3			02/21/20 13:09	20
Acetone	100	J	240	57	ug/m3			02/21/20 13:09	20

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SS-SV-05-021420

Lab Sample ID: 200-52685-5

Date Collected: 02/14/20 11:00

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropyl alcohol	1300		250	24	ug/m3			02/21/20 13:09	20
Carbon disulfide	4.9	J	31	4.6	ug/m3			02/21/20 13:09	20
3-Chloropropene	ND		31	4.0	ug/m3			02/21/20 13:09	20
Methylene Chloride	ND		35	19	ug/m3			02/21/20 13:09	20
tert-Butyl alcohol	ND		300	2.3	ug/m3			02/21/20 13:09	20
Methyl tert-butyl ether	ND		14	2.4	ug/m3			02/21/20 13:09	20
trans-1,2-Dichloroethene	ND		16	3.3	ug/m3			02/21/20 13:09	20
n-Hexane	ND		14	14	ug/m3			02/21/20 13:09	20
1,1-Dichloroethane	ND		16	3.3	ug/m3			02/21/20 13:09	20
Methyl Ethyl Ketone	ND		29	4.2	ug/m3			02/21/20 13:09	20
cis-1,2-Dichloroethene	ND		16	3.6	ug/m3			02/21/20 13:09	20
1,2-Dichloroethene, Total	ND		32	3.3	ug/m3			02/21/20 13:09	20
Chloroform	ND		20	3.1	ug/m3			02/21/20 13:09	20
Tetrahydrofuran	ND		290	3.9	ug/m3			02/21/20 13:09	20
1,1,1-Trichloroethane	ND		22	3.9	ug/m3			02/21/20 13:09	20
Cyclohexane	ND		14	3.2	ug/m3			02/21/20 13:09	20
Carbon tetrachloride	ND		7.5	3.0	ug/m3			02/21/20 13:09	20
2,2,4-Trimethylpentane	ND		19	3.8	ug/m3			02/21/20 13:09	20
Benzene	ND		13	4.3	ug/m3			02/21/20 13:09	20
1,2-Dichloroethane	ND		16	2.6	ug/m3			02/21/20 13:09	20
n-Heptane	ND		16	4.6	ug/m3			02/21/20 13:09	20
Trichloroethene	ND		6.4	3.8	ug/m3			02/21/20 13:09	20
Methyl methacrylate	ND		41	2.7	ug/m3			02/21/20 13:09	20
1,2-Dichloropropane	ND		18	3.1	ug/m3			02/21/20 13:09	20
1,4-Dioxane	ND		360	6.1	ug/m3			02/21/20 13:09	20
Bromodichloromethane	ND		27	4.7	ug/m3			02/21/20 13:09	20
cis-1,3-Dichloropropene	ND		18	2.9	ug/m3			02/21/20 13:09	20
methyl isobutyl ketone	ND		41	2.9	ug/m3			02/21/20 13:09	20
Toluene	ND		15	8.3	ug/m3			02/21/20 13:09	20
trans-1,3-Dichloropropene	ND		18	3.5	ug/m3			02/21/20 13:09	20
1,1,2-Trichloroethane	ND		22	3.9	ug/m3			02/21/20 13:09	20
Tetrachloroethene	5.1	J	27	4.5	ug/m3			02/21/20 13:09	20
Methyl Butyl Ketone (2-Hexanone)	ND		41	3.9	ug/m3			02/21/20 13:09	20
Dibromochloromethane	ND		34	6.1	ug/m3			02/21/20 13:09	20
1,2-Dibromoethane	ND		31	7.5	ug/m3			02/21/20 13:09	20
Chlorobenzene	ND		18	5.2	ug/m3			02/21/20 13:09	20
Ethylbenzene	ND		17	5.5	ug/m3			02/21/20 13:09	20
m,p-Xylene	ND		43	8.7	ug/m3			02/21/20 13:09	20
Xylene, o-	ND		17	4.2	ug/m3			02/21/20 13:09	20
Xylene (total)	ND		61	4.2	ug/m3			02/21/20 13:09	20
Styrene	ND		17	3.4	ug/m3			02/21/20 13:09	20
Bromoform	ND		41	9.9	ug/m3			02/21/20 13:09	20
Cumene	ND		20	3.4	ug/m3			02/21/20 13:09	20
1,1,2,2-Tetrachloroethane	ND		27	5.8	ug/m3			02/21/20 13:09	20
n-Propylbenzene	ND		20	3.8	ug/m3			02/21/20 13:09	20
4-Ethyltoluene	ND		20	4.0	ug/m3			02/21/20 13:09	20
1,3,5-Trimethylbenzene	ND		20	3.8	ug/m3			02/21/20 13:09	20
2-Chlorotoluene	ND		21	4.3	ug/m3			02/21/20 13:09	20

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SS-SV-05-021420

Lab Sample ID: 200-52685-5

Date Collected: 02/14/20 11:00

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		22	3.8	ug/m3			02/21/20 13:09	20
1,2,4-Trimethylbenzene	ND		20	4.3	ug/m3			02/21/20 13:09	20
sec-Butylbenzene	ND		22	3.8	ug/m3			02/21/20 13:09	20
4-Isopropyltoluene	ND		22	4.3	ug/m3			02/21/20 13:09	20
1,3-Dichlorobenzene	ND		24	13	ug/m3			02/21/20 13:09	20
1,4-Dichlorobenzene	ND		24	14	ug/m3			02/21/20 13:09	20
Benzyl chloride	ND		21	8.8	ug/m3			02/21/20 13:09	20
n-Butylbenzene	ND		22	4.3	ug/m3			02/21/20 13:09	20
1,2-Dichlorobenzene	ND		24	12	ug/m3			02/21/20 13:09	20
1,2,4-Trichlorobenzene	ND		74	33	ug/m3			02/21/20 13:09	20
Hexachlorobutadiene	ND		43	16	ug/m3			02/21/20 13:09	20
Naphthalene	ND		52	18	ug/m3			02/21/20 13:09	20

Client Sample ID: IA-05-021420

Lab Sample ID: 200-52685-6

Date Collected: 02/14/20 11:10

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.42	J	0.50	0.11	ppb v/v			02/21/20 05:27	1
Freon 22	0.61		0.50	0.12	ppb v/v			02/21/20 05:27	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.035	ppb v/v			02/21/20 05:27	1
Chloromethane	0.58		0.50	0.11	ppb v/v			02/21/20 05:27	1
n-Butane	16		0.50	0.11	ppb v/v			02/21/20 05:27	1
Vinyl chloride	ND		0.060	0.044	ppb v/v			02/21/20 05:27	1
1,3-Butadiene	0.60		0.20	0.057	ppb v/v			02/21/20 05:27	1
Bromomethane	ND		0.20	0.051	ppb v/v			02/21/20 05:27	1
Chloroethane	ND		0.50	0.054	ppb v/v			02/21/20 05:27	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.052	ppb v/v			02/21/20 05:27	1
Trichlorofluoromethane	0.20		0.20	0.060	ppb v/v			02/21/20 05:27	1
Freon TF	0.059	J	0.20	0.038	ppb v/v			02/21/20 05:27	1
1,1-Dichloroethene	ND		0.20	0.039	ppb v/v			02/21/20 05:27	1
Acetone	31		5.0	1.2	ppb v/v			02/21/20 05:27	1
Isopropyl alcohol	910	E	5.0	0.48	ppb v/v			02/21/20 05:27	1
Carbon disulfide	0.099	J	0.50	0.074	ppb v/v			02/21/20 05:27	1
3-Chloropropene	ND		0.50	0.064	ppb v/v			02/21/20 05:27	1
Methylene Chloride	ND		0.50	0.27	ppb v/v			02/21/20 05:27	1
tert-Butyl alcohol	0.21	J	5.0	0.038	ppb v/v			02/21/20 05:27	1
Methyl tert-butyl ether	ND		0.20	0.033	ppb v/v			02/21/20 05:27	1
trans-1,2-Dichloroethene	ND		0.20	0.042	ppb v/v			02/21/20 05:27	1
n-Hexane	0.23		0.20	0.20	ppb v/v			02/21/20 05:27	1
1,1-Dichloroethane	ND		0.20	0.041	ppb v/v			02/21/20 05:27	1
Methyl Ethyl Ketone	0.64		0.50	0.072	ppb v/v			02/21/20 05:27	1
cis-1,2-Dichloroethene	ND		0.20	0.045	ppb v/v			02/21/20 05:27	1
1,2-Dichloroethene, Total	ND		0.40	0.042	ppb v/v			02/21/20 05:27	1
Chloroform	0.083	J	0.20	0.032	ppb v/v			02/21/20 05:27	1
Tetrahydrofuran	0.66	J	5.0	0.066	ppb v/v			02/21/20 05:27	1
1,1,1-Trichloroethane	0.18	J	0.20	0.036	ppb v/v			02/21/20 05:27	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: IA-05-021420

Lab Sample ID: 200-52685-6

Date Collected: 02/14/20 11:10

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	0.48		0.20	0.046	ppb v/v			02/21/20 05:27	1
Carbon tetrachloride	0.052	J	0.060	0.024	ppb v/v			02/21/20 05:27	1
2,2,4-Trimethylpentane	ND		0.20	0.041	ppb v/v			02/21/20 05:27	1
Benzene	0.25		0.20	0.067	ppb v/v			02/21/20 05:27	1
1,2-Dichloroethane	ND		0.20	0.032	ppb v/v			02/21/20 05:27	1
n-Heptane	0.14	J	0.20	0.056	ppb v/v			02/21/20 05:27	1
Trichloroethene	ND		0.060	0.035	ppb v/v			02/21/20 05:27	1
Methyl methacrylate	ND		0.50	0.033	ppb v/v			02/21/20 05:27	1
1,2-Dichloropropane	ND		0.20	0.033	ppb v/v			02/21/20 05:27	1
1,4-Dioxane	ND		5.0	0.084	ppb v/v			02/21/20 05:27	1
Bromodichloromethane	ND		0.20	0.035	ppb v/v			02/21/20 05:27	1
cis-1,3-Dichloropropene	ND		0.20	0.032	ppb v/v			02/21/20 05:27	1
methyl isobutyl ketone	ND		0.50	0.036	ppb v/v			02/21/20 05:27	1
Toluene	1.2		0.20	0.11	ppb v/v			02/21/20 05:27	1
trans-1,3-Dichloropropene	ND		0.20	0.039	ppb v/v			02/21/20 05:27	1
1,1,2-Trichloroethane	ND		0.20	0.036	ppb v/v			02/21/20 05:27	1
Tetrachloroethene	0.67		0.20	0.033	ppb v/v			02/21/20 05:27	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.048	ppb v/v			02/21/20 05:27	1
Dibromochloromethane	ND		0.20	0.036	ppb v/v			02/21/20 05:27	1
1,2-Dibromoethane	ND		0.20	0.049	ppb v/v			02/21/20 05:27	1
Chlorobenzene	ND		0.20	0.056	ppb v/v			02/21/20 05:27	1
Ethylbenzene	0.31		0.20	0.063	ppb v/v			02/21/20 05:27	1
m,p-Xylene	1.2		0.50	0.10	ppb v/v			02/21/20 05:27	1
Xylene, o-	0.34		0.20	0.048	ppb v/v			02/21/20 05:27	1
Xylene (total)	1.5		0.70	0.048	ppb v/v			02/21/20 05:27	1
Styrene	ND		0.20	0.040	ppb v/v			02/21/20 05:27	1
Bromoform	ND		0.20	0.048	ppb v/v			02/21/20 05:27	1
Cumene	ND		0.20	0.035	ppb v/v			02/21/20 05:27	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.042	ppb v/v			02/21/20 05:27	1
n-Propylbenzene	ND		0.20	0.039	ppb v/v			02/21/20 05:27	1
4-Ethyltoluene	ND		0.20	0.041	ppb v/v			02/21/20 05:27	1
1,3,5-Trimethylbenzene	ND		0.20	0.039	ppb v/v			02/21/20 05:27	1
2-Chlorotoluene	ND		0.20	0.042	ppb v/v			02/21/20 05:27	1
tert-Butylbenzene	ND		0.20	0.035	ppb v/v			02/21/20 05:27	1
1,2,4-Trimethylbenzene	0.070	J	0.20	0.044	ppb v/v			02/21/20 05:27	1
sec-Butylbenzene	ND		0.20	0.035	ppb v/v			02/21/20 05:27	1
4-Isopropyltoluene	ND		0.20	0.039	ppb v/v			02/21/20 05:27	1
1,3-Dichlorobenzene	ND		0.20	0.11	ppb v/v			02/21/20 05:27	1
1,4-Dichlorobenzene	ND		0.20	0.12	ppb v/v			02/21/20 05:27	1
Benzyl chloride	ND		0.20	0.085	ppb v/v			02/21/20 05:27	1
n-Butylbenzene	ND		0.20	0.039	ppb v/v			02/21/20 05:27	1
1,2-Dichlorobenzene	ND		0.20	0.097	ppb v/v			02/21/20 05:27	1
1,2,4-Trichlorobenzene	ND		0.50	0.22	ppb v/v			02/21/20 05:27	1
Hexachlorobutadiene	ND		0.20	0.076	ppb v/v			02/21/20 05:27	1
Naphthalene	ND		0.50	0.17	ppb v/v			02/21/20 05:27	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.1	J	2.5	0.54	ug/m3			02/21/20 05:27	1
Freon 22	2.2		1.8	0.42	ug/m3			02/21/20 05:27	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: IA-05-021420

Lab Sample ID: 200-52685-6

Date Collected: 02/14/20 11:10

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorotetrafluoroethane	ND		1.4	0.24	ug/m3			02/21/20 05:27	1
Chloromethane	1.2		1.0	0.23	ug/m3			02/21/20 05:27	1
n-Butane	39		1.2	0.26	ug/m3			02/21/20 05:27	1
Vinyl chloride	ND		0.15	0.11	ug/m3			02/21/20 05:27	1
1,3-Butadiene	1.3		0.44	0.13	ug/m3			02/21/20 05:27	1
Bromomethane	ND		0.78	0.20	ug/m3			02/21/20 05:27	1
Chloroethane	ND		1.3	0.14	ug/m3			02/21/20 05:27	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.23	ug/m3			02/21/20 05:27	1
Trichlorofluoromethane	1.1		1.1	0.34	ug/m3			02/21/20 05:27	1
Freon TF	0.45 J		1.5	0.29	ug/m3			02/21/20 05:27	1
1,1-Dichloroethene	ND		0.79	0.15	ug/m3			02/21/20 05:27	1
Acetone	73		12	2.9	ug/m3			02/21/20 05:27	1
Isopropyl alcohol	2200 E		12	1.2	ug/m3			02/21/20 05:27	1
Carbon disulfide	0.31 J		1.6	0.23	ug/m3			02/21/20 05:27	1
3-Chloropropene	ND		1.6	0.20	ug/m3			02/21/20 05:27	1
Methylene Chloride	ND		1.7	0.94	ug/m3			02/21/20 05:27	1
tert-Butyl alcohol	0.62 J		15	0.12	ug/m3			02/21/20 05:27	1
Methyl tert-butyl ether	ND		0.72	0.12	ug/m3			02/21/20 05:27	1
trans-1,2-Dichloroethene	ND		0.79	0.17	ug/m3			02/21/20 05:27	1
n-Hexane	0.82		0.70	0.70	ug/m3			02/21/20 05:27	1
1,1-Dichloroethane	ND		0.81	0.17	ug/m3			02/21/20 05:27	1
Methyl Ethyl Ketone	1.9		1.5	0.21	ug/m3			02/21/20 05:27	1
cis-1,2-Dichloroethene	ND		0.79	0.18	ug/m3			02/21/20 05:27	1
1,2-Dichloroethene, Total	ND		1.6	0.17	ug/m3			02/21/20 05:27	1
Chloroform	0.41 J		0.98	0.16	ug/m3			02/21/20 05:27	1
Tetrahydrofuran	2.0 J		15	0.19	ug/m3			02/21/20 05:27	1
1,1,1-Trichloroethane	0.98 J		1.1	0.20	ug/m3			02/21/20 05:27	1
Cyclohexane	1.7		0.69	0.16	ug/m3			02/21/20 05:27	1
Carbon tetrachloride	0.33 J		0.38	0.15	ug/m3			02/21/20 05:27	1
2,2,4-Trimethylpentane	ND		0.93	0.19	ug/m3			02/21/20 05:27	1
Benzene	0.78		0.64	0.21	ug/m3			02/21/20 05:27	1
1,2-Dichloroethane	ND		0.81	0.13	ug/m3			02/21/20 05:27	1
n-Heptane	0.55 J		0.82	0.23	ug/m3			02/21/20 05:27	1
Trichloroethene	ND		0.32	0.19	ug/m3			02/21/20 05:27	1
Methyl methacrylate	ND		2.0	0.14	ug/m3			02/21/20 05:27	1
1,2-Dichloropropane	ND		0.92	0.15	ug/m3			02/21/20 05:27	1
1,4-Dioxane	ND		18	0.30	ug/m3			02/21/20 05:27	1
Bromodichloromethane	ND		1.3	0.23	ug/m3			02/21/20 05:27	1
cis-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			02/21/20 05:27	1
methyl isobutyl ketone	ND		2.0	0.15	ug/m3			02/21/20 05:27	1
Toluene	4.7		0.75	0.41	ug/m3			02/21/20 05:27	1
trans-1,3-Dichloropropene	ND		0.91	0.18	ug/m3			02/21/20 05:27	1
1,1,2-Trichloroethane	ND		1.1	0.20	ug/m3			02/21/20 05:27	1
Tetrachloroethene	4.6		1.4	0.22	ug/m3			02/21/20 05:27	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.20	ug/m3			02/21/20 05:27	1
Dibromochloromethane	ND		1.7	0.31	ug/m3			02/21/20 05:27	1
1,2-Dibromoethane	ND		1.5	0.38	ug/m3			02/21/20 05:27	1
Chlorobenzene	ND		0.92	0.26	ug/m3			02/21/20 05:27	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: IA-05-021420

Lab Sample ID: 200-52685-6

Date Collected: 02/14/20 11:10

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	1.3		0.87	0.27	ug/m3			02/21/20 05:27	1
m,p-Xylene	5.2		2.2	0.43	ug/m3			02/21/20 05:27	1
Xylene, o-	1.5		0.87	0.21	ug/m3			02/21/20 05:27	1
Xylene (total)	6.7		3.0	0.21	ug/m3			02/21/20 05:27	1
Styrene	ND		0.85	0.17	ug/m3			02/21/20 05:27	1
Bromoform	ND		2.1	0.50	ug/m3			02/21/20 05:27	1
Cumene	ND		0.98	0.17	ug/m3			02/21/20 05:27	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.29	ug/m3			02/21/20 05:27	1
n-Propylbenzene	ND		0.98	0.19	ug/m3			02/21/20 05:27	1
4-Ethyltoluene	ND		0.98	0.20	ug/m3			02/21/20 05:27	1
1,3,5-Trimethylbenzene	ND		0.98	0.19	ug/m3			02/21/20 05:27	1
2-Chlorotoluene	ND		1.0	0.22	ug/m3			02/21/20 05:27	1
tert-Butylbenzene	ND		1.1	0.19	ug/m3			02/21/20 05:27	1
1,2,4-Trimethylbenzene	0.34	J	0.98	0.22	ug/m3			02/21/20 05:27	1
sec-Butylbenzene	ND		1.1	0.19	ug/m3			02/21/20 05:27	1
4-Isopropyltoluene	ND		1.1	0.21	ug/m3			02/21/20 05:27	1
1,3-Dichlorobenzene	ND		1.2	0.66	ug/m3			02/21/20 05:27	1
1,4-Dichlorobenzene	ND		1.2	0.72	ug/m3			02/21/20 05:27	1
Benzyl chloride	ND		1.0	0.44	ug/m3			02/21/20 05:27	1
n-Butylbenzene	ND		1.1	0.21	ug/m3			02/21/20 05:27	1
1,2-Dichlorobenzene	ND		1.2	0.58	ug/m3			02/21/20 05:27	1
1,2,4-Trichlorobenzene	ND		3.7	1.6	ug/m3			02/21/20 05:27	1
Hexachlorobutadiene	ND		2.1	0.81	ug/m3			02/21/20 05:27	1
Naphthalene	ND		2.6	0.89	ug/m3			02/21/20 05:27	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		190	41	ppb v/v			02/21/20 16:29	371
Freon 22	ND		190	45	ppb v/v			02/21/20 16:29	371
1,2-Dichlorotetrafluoroethane	ND		74	13	ppb v/v			02/21/20 16:29	371
Chloromethane	ND		190	41	ppb v/v			02/21/20 16:29	371
n-Butane	45	J	190	41	ppb v/v			02/21/20 16:29	371
Vinyl chloride	ND		22	16	ppb v/v			02/21/20 16:29	371
1,3-Butadiene	ND		74	21	ppb v/v			02/21/20 16:29	371
Bromomethane	ND		74	19	ppb v/v			02/21/20 16:29	371
Chloroethane	ND		190	20	ppb v/v			02/21/20 16:29	371
Bromoethene(Vinyl Bromide)	ND		74	19	ppb v/v			02/21/20 16:29	371
Trichlorofluoromethane	ND		74	22	ppb v/v			02/21/20 16:29	371
Freon TF	ND		74	14	ppb v/v			02/21/20 16:29	371
1,1-Dichloroethene	ND		74	14	ppb v/v			02/21/20 16:29	371
Acetone	ND		1900	450	ppb v/v			02/21/20 16:29	371
Isopropyl alcohol	2200		1900	180	ppb v/v			02/21/20 16:29	371
Carbon disulfide	ND		190	27	ppb v/v			02/21/20 16:29	371
3-Chloropropene	ND		190	24	ppb v/v			02/21/20 16:29	371
Methylene Chloride	ND		190	100	ppb v/v			02/21/20 16:29	371
tert-Butyl alcohol	ND		1900	14	ppb v/v			02/21/20 16:29	371
Methyl tert-butyl ether	ND		74	12	ppb v/v			02/21/20 16:29	371
trans-1,2-Dichloroethene	ND		74	16	ppb v/v			02/21/20 16:29	371
n-Hexane	ND		74	74	ppb v/v			02/21/20 16:29	371

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: IA-05-021420

Lab Sample ID: 200-52685-6

Date Collected: 02/14/20 11:10

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		74	15	ppb v/v			02/21/20 16:29	371
Methyl Ethyl Ketone	ND		190	27	ppb v/v			02/21/20 16:29	371
cis-1,2-Dichloroethene	ND		74	17	ppb v/v			02/21/20 16:29	371
1,2-Dichloroethene, Total	ND		150	16	ppb v/v			02/21/20 16:29	371
Chloroform	ND		74	12	ppb v/v			02/21/20 16:29	371
Tetrahydrofuran	ND		1900	24	ppb v/v			02/21/20 16:29	371
1,1,1-Trichloroethane	ND		74	13	ppb v/v			02/21/20 16:29	371
Cyclohexane	ND		74	17	ppb v/v			02/21/20 16:29	371
Carbon tetrachloride	ND		22	8.9	ppb v/v			02/21/20 16:29	371
2,2,4-Trimethylpentane	ND		74	15	ppb v/v			02/21/20 16:29	371
Benzene	ND		74	25	ppb v/v			02/21/20 16:29	371
1,2-Dichloroethane	ND		74	12	ppb v/v			02/21/20 16:29	371
n-Heptane	ND		74	21	ppb v/v			02/21/20 16:29	371
Trichloroethene	ND		22	13	ppb v/v			02/21/20 16:29	371
Methyl methacrylate	ND		190	12	ppb v/v			02/21/20 16:29	371
1,2-Dichloropropane	ND		74	12	ppb v/v			02/21/20 16:29	371
1,4-Dioxane	ND		1900	31	ppb v/v			02/21/20 16:29	371
Bromodichloromethane	ND		74	13	ppb v/v			02/21/20 16:29	371
cis-1,3-Dichloropropene	ND		74	12	ppb v/v			02/21/20 16:29	371
methyl isobutyl ketone	ND		190	13	ppb v/v			02/21/20 16:29	371
Toluene	ND		74	41	ppb v/v			02/21/20 16:29	371
trans-1,3-Dichloropropene	ND		74	14	ppb v/v			02/21/20 16:29	371
1,1,2-Trichloroethane	ND		74	13	ppb v/v			02/21/20 16:29	371
Tetrachloroethene	ND		74	12	ppb v/v			02/21/20 16:29	371
Methyl Butyl Ketone (2-Hexanone)	ND		190	18	ppb v/v			02/21/20 16:29	371
Dibromochloromethane	ND		74	13	ppb v/v			02/21/20 16:29	371
1,2-Dibromoethane	ND		74	18	ppb v/v			02/21/20 16:29	371
Chlorobenzene	ND		74	21	ppb v/v			02/21/20 16:29	371
Ethylbenzene	ND		74	23	ppb v/v			02/21/20 16:29	371
m,p-Xylene	ND		190	37	ppb v/v			02/21/20 16:29	371
Xylene, o-	ND		74	18	ppb v/v			02/21/20 16:29	371
Xylene (total)	ND		260	18	ppb v/v			02/21/20 16:29	371
Styrene	ND		74	15	ppb v/v			02/21/20 16:29	371
Bromoform	ND		74	18	ppb v/v			02/21/20 16:29	371
Cumene	ND		74	13	ppb v/v			02/21/20 16:29	371
1,1,2,2-Tetrachloroethane	ND		74	16	ppb v/v			02/21/20 16:29	371
n-Propylbenzene	ND		74	14	ppb v/v			02/21/20 16:29	371
4-Ethyltoluene	ND		74	15	ppb v/v			02/21/20 16:29	371
1,3,5-Trimethylbenzene	ND		74	14	ppb v/v			02/21/20 16:29	371
2-Chlorotoluene	ND		74	16	ppb v/v			02/21/20 16:29	371
tert-Butylbenzene	ND		74	13	ppb v/v			02/21/20 16:29	371
1,2,4-Trimethylbenzene	ND		74	16	ppb v/v			02/21/20 16:29	371
sec-Butylbenzene	ND		74	13	ppb v/v			02/21/20 16:29	371
4-Isopropyltoluene	ND		74	14	ppb v/v			02/21/20 16:29	371
1,3-Dichlorobenzene	ND		74	41	ppb v/v			02/21/20 16:29	371
1,4-Dichlorobenzene	ND		74	45	ppb v/v			02/21/20 16:29	371
Benzyl chloride	ND		74	32	ppb v/v			02/21/20 16:29	371
n-Butylbenzene	ND		74	14	ppb v/v			02/21/20 16:29	371

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: IA-05-021420

Lab Sample ID: 200-52685-6

Date Collected: 02/14/20 11:10

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		74	36	ppb v/v			02/21/20 16:29	371
1,2,4-Trichlorobenzene	ND		190	82	ppb v/v			02/21/20 16:29	371
Hexachlorobutadiene	ND		74	28	ppb v/v			02/21/20 16:29	371
Naphthalene	ND		190	63	ppb v/v			02/21/20 16:29	371
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		920	200	ug/m3			02/21/20 16:29	371
Freon 22	ND		660	160	ug/m3			02/21/20 16:29	371
1,2-Dichlorotetrafluoroethane	ND		520	91	ug/m3			02/21/20 16:29	371
Chloromethane	ND		380	84	ug/m3			02/21/20 16:29	371
n-Butane	110	J	440	97	ug/m3			02/21/20 16:29	371
Vinyl chloride	ND		57	42	ug/m3			02/21/20 16:29	371
1,3-Butadiene	ND		160	47	ug/m3			02/21/20 16:29	371
Bromomethane	ND		290	73	ug/m3			02/21/20 16:29	371
Chloroethane	ND		490	53	ug/m3			02/21/20 16:29	371
Bromoethene(Vinyl Bromide)	ND		320	84	ug/m3			02/21/20 16:29	371
Trichlorofluoromethane	ND		420	130	ug/m3			02/21/20 16:29	371
Freon TF	ND		570	110	ug/m3			02/21/20 16:29	371
1,1-Dichloroethene	ND		290	57	ug/m3			02/21/20 16:29	371
Acetone	ND		4400	1100	ug/m3			02/21/20 16:29	371
Isopropyl alcohol	5300		4600	440	ug/m3			02/21/20 16:29	371
Carbon disulfide	ND		580	85	ug/m3			02/21/20 16:29	371
3-Chloropropene	ND		580	74	ug/m3			02/21/20 16:29	371
Methylene Chloride	ND		640	350	ug/m3			02/21/20 16:29	371
tert-Butyl alcohol	ND		5600	43	ug/m3			02/21/20 16:29	371
Methyl tert-butyl ether	ND		270	44	ug/m3			02/21/20 16:29	371
trans-1,2-Dichloroethene	ND		290	62	ug/m3			02/21/20 16:29	371
n-Hexane	ND		260	260	ug/m3			02/21/20 16:29	371
1,1-Dichloroethane	ND		300	62	ug/m3			02/21/20 16:29	371
Methyl Ethyl Ketone	ND		550	79	ug/m3			02/21/20 16:29	371
cis-1,2-Dichloroethene	ND		290	66	ug/m3			02/21/20 16:29	371
1,2-Dichloroethene, Total	ND		590	62	ug/m3			02/21/20 16:29	371
Chloroform	ND		360	58	ug/m3			02/21/20 16:29	371
Tetrahydrofuran	ND		5500	72	ug/m3			02/21/20 16:29	371
1,1,1-Trichloroethane	ND		400	73	ug/m3			02/21/20 16:29	371
Cyclohexane	ND		260	59	ug/m3			02/21/20 16:29	371
Carbon tetrachloride	ND		140	56	ug/m3			02/21/20 16:29	371
2,2,4-Trimethylpentane	ND		350	71	ug/m3			02/21/20 16:29	371
Benzene	ND		240	79	ug/m3			02/21/20 16:29	371
1,2-Dichloroethane	ND		300	48	ug/m3			02/21/20 16:29	371
n-Heptane	ND		300	85	ug/m3			02/21/20 16:29	371
Trichloroethene	ND		120	70	ug/m3			02/21/20 16:29	371
Methyl methacrylate	ND		760	50	ug/m3			02/21/20 16:29	371
1,2-Dichloropropane	ND		340	57	ug/m3			02/21/20 16:29	371
1,4-Dioxane	ND		6700	110	ug/m3			02/21/20 16:29	371
Bromodichloromethane	ND		500	87	ug/m3			02/21/20 16:29	371
cis-1,3-Dichloropropene	ND		340	54	ug/m3			02/21/20 16:29	371
methyl isobutyl ketone	ND		760	55	ug/m3			02/21/20 16:29	371
Toluene	ND		280	150	ug/m3			02/21/20 16:29	371

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: IA-05-021420

Lab Sample ID: 200-52685-6

Date Collected: 02/14/20 11:10

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		340	66	ug/m3			02/21/20 16:29	371
1,1,2-Trichloroethane	ND		400	73	ug/m3			02/21/20 16:29	371
Tetrachloroethene	ND		500	83	ug/m3			02/21/20 16:29	371
Methyl Butyl Ketone (2-Hexanone)	ND		760	73	ug/m3			02/21/20 16:29	371
Dibromochloromethane	ND		630	110	ug/m3			02/21/20 16:29	371
1,2-Dibromoethane	ND		570	140	ug/m3			02/21/20 16:29	371
Chlorobenzene	ND		340	96	ug/m3			02/21/20 16:29	371
Ethylbenzene	ND		320	100	ug/m3			02/21/20 16:29	371
m,p-Xylene	ND		810	160	ug/m3			02/21/20 16:29	371
Xylene, o-	ND		320	77	ug/m3			02/21/20 16:29	371
Xylene (total)	ND		1100	77	ug/m3			02/21/20 16:29	371
Styrene	ND		320	63	ug/m3			02/21/20 16:29	371
Bromoform	ND		770	180	ug/m3			02/21/20 16:29	371
Cumene	ND		360	64	ug/m3			02/21/20 16:29	371
1,1,2,2-Tetrachloroethane	ND		510	110	ug/m3			02/21/20 16:29	371
n-Propylbenzene	ND		360	71	ug/m3			02/21/20 16:29	371
4-Ethyltoluene	ND		360	75	ug/m3			02/21/20 16:29	371
1,3,5-Trimethylbenzene	ND		360	71	ug/m3			02/21/20 16:29	371
2-Chlorotoluene	ND		380	81	ug/m3			02/21/20 16:29	371
tert-Butylbenzene	ND		410	71	ug/m3			02/21/20 16:29	371
1,2,4-Trimethylbenzene	ND		360	80	ug/m3			02/21/20 16:29	371
sec-Butylbenzene	ND		410	71	ug/m3			02/21/20 16:29	371
4-Isopropyltoluene	ND		410	79	ug/m3			02/21/20 16:29	371
1,3-Dichlorobenzene	ND		450	250	ug/m3			02/21/20 16:29	371
1,4-Dichlorobenzene	ND		450	270	ug/m3			02/21/20 16:29	371
Benzyl chloride	ND		380	160	ug/m3			02/21/20 16:29	371
n-Butylbenzene	ND		410	79	ug/m3			02/21/20 16:29	371
1,2-Dichlorobenzene	ND		450	220	ug/m3			02/21/20 16:29	371
1,2,4-Trichlorobenzene	ND		1400	610	ug/m3			02/21/20 16:29	371
Hexachlorobutadiene	ND		790	300	ug/m3			02/21/20 16:29	371
Naphthalene	ND		970	330	ug/m3			02/21/20 16:29	371

Client Sample ID: SV-DUP-021420

Lab Sample ID: 200-52685-7

Date Collected: 02/14/20 11:05

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.49	J	0.50	0.11	ppb v/v			02/21/20 14:49	1
Freon 22	0.37	J	0.50	0.12	ppb v/v			02/21/20 14:49	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.035	ppb v/v			02/21/20 14:49	1
Chloromethane	1.8		0.50	0.11	ppb v/v			02/21/20 14:49	1
n-Butane	16		0.50	0.11	ppb v/v			02/21/20 14:49	1
Vinyl chloride	ND		0.060	0.044	ppb v/v			02/21/20 14:49	1
1,3-Butadiene	0.51		0.20	0.057	ppb v/v			02/21/20 14:49	1
Bromomethane	ND		0.20	0.051	ppb v/v			02/21/20 14:49	1
Chloroethane	ND		0.50	0.054	ppb v/v			02/21/20 14:49	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.052	ppb v/v			02/21/20 14:49	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SV-DUP-021420

Lab Sample ID: 200-52685-7

Date Collected: 02/14/20 11:05

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	0.22		0.20	0.060	ppb v/v			02/21/20 14:49	1
Freon TF	0.057	J	0.20	0.038	ppb v/v			02/21/20 14:49	1
1,1-Dichloroethene	ND		0.20	0.039	ppb v/v			02/21/20 14:49	1
Acetone	59	E	5.0	1.2	ppb v/v			02/21/20 14:49	1
Isopropyl alcohol	530	E	5.0	0.48	ppb v/v			02/21/20 14:49	1
Carbon disulfide	0.077	J	0.50	0.074	ppb v/v			02/21/20 14:49	1
3-Chloropropene	ND		0.50	0.064	ppb v/v			02/21/20 14:49	1
Methylene Chloride	ND		0.50	0.27	ppb v/v			02/21/20 14:49	1
tert-Butyl alcohol	1.1	J	5.0	0.038	ppb v/v			02/21/20 14:49	1
Methyl tert-butyl ether	ND		0.20	0.033	ppb v/v			02/21/20 14:49	1
trans-1,2-Dichloroethene	ND		0.20	0.042	ppb v/v			02/21/20 14:49	1
n-Hexane	ND		0.20	0.20	ppb v/v			02/21/20 14:49	1
1,1-Dichloroethane	ND		0.20	0.041	ppb v/v			02/21/20 14:49	1
Methyl Ethyl Ketone	0.36	J	0.50	0.072	ppb v/v			02/21/20 14:49	1
cis-1,2-Dichloroethene	ND		0.20	0.045	ppb v/v			02/21/20 14:49	1
1,2-Dichloroethene, Total	ND		0.40	0.042	ppb v/v			02/21/20 14:49	1
Chloroform	0.095	J	0.20	0.032	ppb v/v			02/21/20 14:49	1
Tetrahydrofuran	ND		5.0	0.066	ppb v/v			02/21/20 14:49	1
1,1,1-Trichloroethane	0.17	J	0.20	0.036	ppb v/v			02/21/20 14:49	1
Cyclohexane	0.39		0.20	0.046	ppb v/v			02/21/20 14:49	1
Carbon tetrachloride	0.071		0.060	0.024	ppb v/v			02/21/20 14:49	1
2,2,4-Trimethylpentane	ND		0.20	0.041	ppb v/v			02/21/20 14:49	1
Benzene	0.21		0.20	0.067	ppb v/v			02/21/20 14:49	1
1,2-Dichloroethane	ND		0.20	0.032	ppb v/v			02/21/20 14:49	1
n-Heptane	0.074	J	0.20	0.056	ppb v/v			02/21/20 14:49	1
Trichloroethene	ND		0.060	0.035	ppb v/v			02/21/20 14:49	1
Methyl methacrylate	ND		0.50	0.033	ppb v/v			02/21/20 14:49	1
1,2-Dichloropropane	ND		0.20	0.033	ppb v/v			02/21/20 14:49	1
1,4-Dioxane	ND		5.0	0.084	ppb v/v			02/21/20 14:49	1
Bromodichloromethane	ND		0.20	0.035	ppb v/v			02/21/20 14:49	1
cis-1,3-Dichloropropene	ND		0.20	0.032	ppb v/v			02/21/20 14:49	1
methyl isobutyl ketone	ND		0.50	0.036	ppb v/v			02/21/20 14:49	1
Toluene	1.1		0.20	0.11	ppb v/v			02/21/20 14:49	1
trans-1,3-Dichloropropene	ND		0.20	0.039	ppb v/v			02/21/20 14:49	1
1,1,2-Trichloroethane	ND		0.20	0.036	ppb v/v			02/21/20 14:49	1
Tetrachloroethene	1.1		0.20	0.033	ppb v/v			02/21/20 14:49	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.048	ppb v/v			02/21/20 14:49	1
Dibromochloromethane	ND		0.20	0.036	ppb v/v			02/21/20 14:49	1
1,2-Dibromoethane	ND		0.20	0.049	ppb v/v			02/21/20 14:49	1
Chlorobenzene	ND		0.20	0.056	ppb v/v			02/21/20 14:49	1
Ethylbenzene	0.23		0.20	0.063	ppb v/v			02/21/20 14:49	1
m,p-Xylene	1.0		0.50	0.10	ppb v/v			02/21/20 14:49	1
Xylene, o-	0.22		0.20	0.048	ppb v/v			02/21/20 14:49	1
Xylene (total)	1.2		0.70	0.048	ppb v/v			02/21/20 14:49	1
Styrene	ND		0.20	0.040	ppb v/v			02/21/20 14:49	1
Bromoform	ND		0.20	0.048	ppb v/v			02/21/20 14:49	1
Cumene	ND		0.20	0.035	ppb v/v			02/21/20 14:49	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.042	ppb v/v			02/21/20 14:49	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SV-DUP-021420

Lab Sample ID: 200-52685-7

Date Collected: 02/14/20 11:05

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Propylbenzene	ND		0.20	0.039	ppb v/v			02/21/20 14:49	1
4-Ethyltoluene	ND		0.20	0.041	ppb v/v			02/21/20 14:49	1
1,3,5-Trimethylbenzene	ND		0.20	0.039	ppb v/v			02/21/20 14:49	1
2-Chlorotoluene	ND		0.20	0.042	ppb v/v			02/21/20 14:49	1
tert-Butylbenzene	ND		0.20	0.035	ppb v/v			02/21/20 14:49	1
1,2,4-Trimethylbenzene	0.044	J	0.20	0.044	ppb v/v			02/21/20 14:49	1
sec-Butylbenzene	ND		0.20	0.035	ppb v/v			02/21/20 14:49	1
4-Isopropyltoluene	ND		0.20	0.039	ppb v/v			02/21/20 14:49	1
1,3-Dichlorobenzene	ND		0.20	0.11	ppb v/v			02/21/20 14:49	1
1,4-Dichlorobenzene	ND		0.20	0.12	ppb v/v			02/21/20 14:49	1
Benzyl chloride	ND		0.20	0.085	ppb v/v			02/21/20 14:49	1
n-Butylbenzene	ND		0.20	0.039	ppb v/v			02/21/20 14:49	1
1,2-Dichlorobenzene	ND		0.20	0.097	ppb v/v			02/21/20 14:49	1
1,2,4-Trichlorobenzene	ND		0.50	0.22	ppb v/v			02/21/20 14:49	1
Hexachlorobutadiene	ND		0.20	0.076	ppb v/v			02/21/20 14:49	1
Naphthalene	ND		0.50	0.17	ppb v/v			02/21/20 14:49	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.4	J	2.5	0.54	ug/m3			02/21/20 14:49	1
Freon 22	1.3	J	1.8	0.42	ug/m3			02/21/20 14:49	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.24	ug/m3			02/21/20 14:49	1
Chloromethane	3.7		1.0	0.23	ug/m3			02/21/20 14:49	1
n-Butane	37		1.2	0.26	ug/m3			02/21/20 14:49	1
Vinyl chloride	ND		0.15	0.11	ug/m3			02/21/20 14:49	1
1,3-Butadiene	1.1		0.44	0.13	ug/m3			02/21/20 14:49	1
Bromomethane	ND		0.78	0.20	ug/m3			02/21/20 14:49	1
Chloroethane	ND		1.3	0.14	ug/m3			02/21/20 14:49	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.23	ug/m3			02/21/20 14:49	1
Trichlorofluoromethane	1.3		1.1	0.34	ug/m3			02/21/20 14:49	1
Freon TF	0.44	J	1.5	0.29	ug/m3			02/21/20 14:49	1
1,1-Dichloroethene	ND		0.79	0.15	ug/m3			02/21/20 14:49	1
Acetone	140	E	12	2.9	ug/m3			02/21/20 14:49	1
Isopropyl alcohol	1300	E	12	1.2	ug/m3			02/21/20 14:49	1
Carbon disulfide	0.24	J	1.6	0.23	ug/m3			02/21/20 14:49	1
3-Chloropropene	ND		1.6	0.20	ug/m3			02/21/20 14:49	1
Methylene Chloride	ND		1.7	0.94	ug/m3			02/21/20 14:49	1
tert-Butyl alcohol	3.3	J	15	0.12	ug/m3			02/21/20 14:49	1
Methyl tert-butyl ether	ND		0.72	0.12	ug/m3			02/21/20 14:49	1
trans-1,2-Dichloroethene	ND		0.79	0.17	ug/m3			02/21/20 14:49	1
n-Hexane	ND		0.70	0.70	ug/m3			02/21/20 14:49	1
1,1-Dichloroethane	ND		0.81	0.17	ug/m3			02/21/20 14:49	1
Methyl Ethyl Ketone	1.1	J	1.5	0.21	ug/m3			02/21/20 14:49	1
cis-1,2-Dichloroethene	ND		0.79	0.18	ug/m3			02/21/20 14:49	1
1,2-Dichloroethene, Total	ND		1.6	0.17	ug/m3			02/21/20 14:49	1
Chloroform	0.46	J	0.98	0.16	ug/m3			02/21/20 14:49	1
Tetrahydrofuran	ND		15	0.19	ug/m3			02/21/20 14:49	1
1,1,1-Trichloroethane	0.93	J	1.1	0.20	ug/m3			02/21/20 14:49	1
Cyclohexane	1.3		0.69	0.16	ug/m3			02/21/20 14:49	1
Carbon tetrachloride	0.45		0.38	0.15	ug/m3			02/21/20 14:49	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SV-DUP-021420

Lab Sample ID: 200-52685-7

Date Collected: 02/14/20 11:05

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2,4-Trimethylpentane	ND		0.93	0.19	ug/m3			02/21/20 14:49	1
Benzene	0.67		0.64	0.21	ug/m3			02/21/20 14:49	1
1,2-Dichloroethane	ND		0.81	0.13	ug/m3			02/21/20 14:49	1
n-Heptane	0.30	J	0.82	0.23	ug/m3			02/21/20 14:49	1
Trichloroethene	ND		0.32	0.19	ug/m3			02/21/20 14:49	1
Methyl methacrylate	ND		2.0	0.14	ug/m3			02/21/20 14:49	1
1,2-Dichloropropane	ND		0.92	0.15	ug/m3			02/21/20 14:49	1
1,4-Dioxane	ND		18	0.30	ug/m3			02/21/20 14:49	1
Bromodichloromethane	ND		1.3	0.23	ug/m3			02/21/20 14:49	1
cis-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			02/21/20 14:49	1
methyl isobutyl ketone	ND		2.0	0.15	ug/m3			02/21/20 14:49	1
Toluene	4.1		0.75	0.41	ug/m3			02/21/20 14:49	1
trans-1,3-Dichloropropene	ND		0.91	0.18	ug/m3			02/21/20 14:49	1
1,1,2-Trichloroethane	ND		1.1	0.20	ug/m3			02/21/20 14:49	1
Tetrachloroethene	7.3		1.4	0.22	ug/m3			02/21/20 14:49	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.20	ug/m3			02/21/20 14:49	1
Dibromochloromethane	ND		1.7	0.31	ug/m3			02/21/20 14:49	1
1,2-Dibromoethane	ND		1.5	0.38	ug/m3			02/21/20 14:49	1
Chlorobenzene	ND		0.92	0.26	ug/m3			02/21/20 14:49	1
Ethylbenzene	0.99		0.87	0.27	ug/m3			02/21/20 14:49	1
m,p-Xylene	4.4		2.2	0.43	ug/m3			02/21/20 14:49	1
Xylene, o-	0.95		0.87	0.21	ug/m3			02/21/20 14:49	1
Xylene (total)	5.3		3.0	0.21	ug/m3			02/21/20 14:49	1
Styrene	ND		0.85	0.17	ug/m3			02/21/20 14:49	1
Bromoform	ND		2.1	0.50	ug/m3			02/21/20 14:49	1
Cumene	ND		0.98	0.17	ug/m3			02/21/20 14:49	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.29	ug/m3			02/21/20 14:49	1
n-Propylbenzene	ND		0.98	0.19	ug/m3			02/21/20 14:49	1
4-Ethyltoluene	ND		0.98	0.20	ug/m3			02/21/20 14:49	1
1,3,5-Trimethylbenzene	ND		0.98	0.19	ug/m3			02/21/20 14:49	1
2-Chlorotoluene	ND		1.0	0.22	ug/m3			02/21/20 14:49	1
tert-Butylbenzene	ND		1.1	0.19	ug/m3			02/21/20 14:49	1
1,2,4-Trimethylbenzene	0.21	J	0.98	0.22	ug/m3			02/21/20 14:49	1
sec-Butylbenzene	ND		1.1	0.19	ug/m3			02/21/20 14:49	1
4-Isopropyltoluene	ND		1.1	0.21	ug/m3			02/21/20 14:49	1
1,3-Dichlorobenzene	ND		1.2	0.66	ug/m3			02/21/20 14:49	1
1,4-Dichlorobenzene	ND		1.2	0.72	ug/m3			02/21/20 14:49	1
Benzyl chloride	ND		1.0	0.44	ug/m3			02/21/20 14:49	1
n-Butylbenzene	ND		1.1	0.21	ug/m3			02/21/20 14:49	1
1,2-Dichlorobenzene	ND		1.2	0.58	ug/m3			02/21/20 14:49	1
1,2,4-Trichlorobenzene	ND		3.7	1.6	ug/m3			02/21/20 14:49	1
Hexachlorobutadiene	ND		2.1	0.81	ug/m3			02/21/20 14:49	1
Naphthalene	ND		2.6	0.89	ug/m3			02/21/20 14:49	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		10	2.2	ppb v/v			02/21/20 15:39	20
Freon 22	ND		10	2.4	ppb v/v			02/21/20 15:39	20
1,2-Dichlorotetrafluoroethane	ND		4.0	0.70	ppb v/v			02/21/20 15:39	20

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SV-DUP-021420

Lab Sample ID: 200-52685-7

Date Collected: 02/14/20 11:05

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		10	2.2	ppb v/v			02/21/20 15:39	20
n-Butane	15		10	2.2	ppb v/v			02/21/20 15:39	20
Vinyl chloride	ND		1.2	0.88	ppb v/v			02/21/20 15:39	20
1,3-Butadiene	ND		4.0	1.1	ppb v/v			02/21/20 15:39	20
Bromomethane	ND		4.0	1.0	ppb v/v			02/21/20 15:39	20
Chloroethane	ND		10	1.1	ppb v/v			02/21/20 15:39	20
Bromoethene(Vinyl Bromide)	ND		4.0	1.0	ppb v/v			02/21/20 15:39	20
Trichlorofluoromethane	ND		4.0	1.2	ppb v/v			02/21/20 15:39	20
Freon TF	ND		4.0	0.76	ppb v/v			02/21/20 15:39	20
1,1-Dichloroethene	ND		4.0	0.78	ppb v/v			02/21/20 15:39	20
Acetone	65 J		100	24	ppb v/v			02/21/20 15:39	20
Isopropyl alcohol	620		100	9.6	ppb v/v			02/21/20 15:39	20
Carbon disulfide	ND		10	1.5	ppb v/v			02/21/20 15:39	20
3-Chloropropene	ND		10	1.3	ppb v/v			02/21/20 15:39	20
Methylene Chloride	ND		10	5.4	ppb v/v			02/21/20 15:39	20
tert-Butyl alcohol	ND		100	0.76	ppb v/v			02/21/20 15:39	20
Methyl tert-butyl ether	ND		4.0	0.66	ppb v/v			02/21/20 15:39	20
trans-1,2-Dichloroethene	ND		4.0	0.84	ppb v/v			02/21/20 15:39	20
n-Hexane	ND		4.0	4.0	ppb v/v			02/21/20 15:39	20
1,1-Dichloroethane	ND		4.0	0.82	ppb v/v			02/21/20 15:39	20
Methyl Ethyl Ketone	ND		10	1.4	ppb v/v			02/21/20 15:39	20
cis-1,2-Dichloroethene	ND		4.0	0.90	ppb v/v			02/21/20 15:39	20
1,2-Dichloroethene, Total	ND		8.0	0.84	ppb v/v			02/21/20 15:39	20
Chloroform	ND		4.0	0.64	ppb v/v			02/21/20 15:39	20
Tetrahydrofuran	ND		100	1.3	ppb v/v			02/21/20 15:39	20
1,1,1-Trichloroethane	ND		4.0	0.72	ppb v/v			02/21/20 15:39	20
Cyclohexane	ND		4.0	0.92	ppb v/v			02/21/20 15:39	20
Carbon tetrachloride	ND		1.2	0.48	ppb v/v			02/21/20 15:39	20
2,2,4-Trimethylpentane	ND		4.0	0.82	ppb v/v			02/21/20 15:39	20
Benzene	ND		4.0	1.3	ppb v/v			02/21/20 15:39	20
1,2-Dichloroethane	ND		4.0	0.64	ppb v/v			02/21/20 15:39	20
n-Heptane	ND		4.0	1.1	ppb v/v			02/21/20 15:39	20
Trichloroethene	ND		1.2	0.70	ppb v/v			02/21/20 15:39	20
Methyl methacrylate	ND		10	0.66	ppb v/v			02/21/20 15:39	20
1,2-Dichloropropane	ND		4.0	0.66	ppb v/v			02/21/20 15:39	20
1,4-Dioxane	ND		100	1.7	ppb v/v			02/21/20 15:39	20
Bromodichloromethane	ND		4.0	0.70	ppb v/v			02/21/20 15:39	20
cis-1,3-Dichloropropene	ND		4.0	0.64	ppb v/v			02/21/20 15:39	20
methyl isobutyl ketone	ND		10	0.72	ppb v/v			02/21/20 15:39	20
Toluene	ND		4.0	2.2	ppb v/v			02/21/20 15:39	20
trans-1,3-Dichloropropene	ND		4.0	0.78	ppb v/v			02/21/20 15:39	20
1,1,2-Trichloroethane	ND		4.0	0.72	ppb v/v			02/21/20 15:39	20
Tetrachloroethene	ND		4.0	0.66	ppb v/v			02/21/20 15:39	20
Methyl Butyl Ketone (2-Hexanone)	ND		10	0.96	ppb v/v			02/21/20 15:39	20
Dibromochloromethane	ND		4.0	0.72	ppb v/v			02/21/20 15:39	20
1,2-Dibromoethane	ND		4.0	0.98	ppb v/v			02/21/20 15:39	20
Chlorobenzene	ND		4.0	1.1	ppb v/v			02/21/20 15:39	20
Ethylbenzene	ND		4.0	1.3	ppb v/v			02/21/20 15:39	20

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SV-DUP-021420

Lab Sample ID: 200-52685-7

Date Collected: 02/14/20 11:05

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylene	ND		10	2.0	ppb v/v			02/21/20 15:39	20
Xylene, o-	ND		4.0	0.96	ppb v/v			02/21/20 15:39	20
Xylene (total)	ND		14	0.96	ppb v/v			02/21/20 15:39	20
Styrene	ND		4.0	0.80	ppb v/v			02/21/20 15:39	20
Bromoform	ND		4.0	0.96	ppb v/v			02/21/20 15:39	20
Cumene	ND		4.0	0.70	ppb v/v			02/21/20 15:39	20
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ppb v/v			02/21/20 15:39	20
n-Propylbenzene	ND		4.0	0.78	ppb v/v			02/21/20 15:39	20
4-Ethyltoluene	ND		4.0	0.82	ppb v/v			02/21/20 15:39	20
1,3,5-Trimethylbenzene	ND		4.0	0.78	ppb v/v			02/21/20 15:39	20
2-Chlorotoluene	ND		4.0	0.84	ppb v/v			02/21/20 15:39	20
tert-Butylbenzene	ND		4.0	0.70	ppb v/v			02/21/20 15:39	20
1,2,4-Trimethylbenzene	ND		4.0	0.88	ppb v/v			02/21/20 15:39	20
sec-Butylbenzene	ND		4.0	0.70	ppb v/v			02/21/20 15:39	20
4-Isopropyltoluene	ND		4.0	0.78	ppb v/v			02/21/20 15:39	20
1,3-Dichlorobenzene	ND		4.0	2.2	ppb v/v			02/21/20 15:39	20
1,4-Dichlorobenzene	ND		4.0	2.4	ppb v/v			02/21/20 15:39	20
Benzyl chloride	ND		4.0	1.7	ppb v/v			02/21/20 15:39	20
n-Butylbenzene	ND		4.0	0.78	ppb v/v			02/21/20 15:39	20
1,2-Dichlorobenzene	ND		4.0	1.9	ppb v/v			02/21/20 15:39	20
1,2,4-Trichlorobenzene	ND		10	4.4	ppb v/v			02/21/20 15:39	20
Hexachlorobutadiene	ND		4.0	1.5	ppb v/v			02/21/20 15:39	20
Naphthalene	ND		10	3.4	ppb v/v			02/21/20 15:39	20
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		49	11	ug/m3			02/21/20 15:39	20
Freon 22	ND		35	8.5	ug/m3			02/21/20 15:39	20
1,2-Dichlorotetrafluoroethane	ND		28	4.9	ug/m3			02/21/20 15:39	20
Chloromethane	ND		21	4.5	ug/m3			02/21/20 15:39	20
n-Butane	37		24	5.2	ug/m3			02/21/20 15:39	20
Vinyl chloride	ND		3.1	2.2	ug/m3			02/21/20 15:39	20
1,3-Butadiene	ND		8.8	2.5	ug/m3			02/21/20 15:39	20
Bromomethane	ND		16	4.0	ug/m3			02/21/20 15:39	20
Chloroethane	ND		26	2.8	ug/m3			02/21/20 15:39	20
Bromoethene(Vinyl Bromide)	ND		17	4.5	ug/m3			02/21/20 15:39	20
Trichlorofluoromethane	ND		22	6.7	ug/m3			02/21/20 15:39	20
Freon TF	ND		31	5.8	ug/m3			02/21/20 15:39	20
1,1-Dichloroethene	ND		16	3.1	ug/m3			02/21/20 15:39	20
Acetone	150	J	240	57	ug/m3			02/21/20 15:39	20
Isopropyl alcohol	1500		250	24	ug/m3			02/21/20 15:39	20
Carbon disulfide	ND		31	4.6	ug/m3			02/21/20 15:39	20
3-Chloropropene	ND		31	4.0	ug/m3			02/21/20 15:39	20
Methylene Chloride	ND		35	19	ug/m3			02/21/20 15:39	20
tert-Butyl alcohol	ND		300	2.3	ug/m3			02/21/20 15:39	20
Methyl tert-butyl ether	ND		14	2.4	ug/m3			02/21/20 15:39	20
trans-1,2-Dichloroethene	ND		16	3.3	ug/m3			02/21/20 15:39	20
n-Hexane	ND		14	14	ug/m3			02/21/20 15:39	20
1,1-Dichloroethane	ND		16	3.3	ug/m3			02/21/20 15:39	20
Methyl Ethyl Ketone	ND		29	4.2	ug/m3			02/21/20 15:39	20

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SV-DUP-021420

Lab Sample ID: 200-52685-7

Date Collected: 02/14/20 11:05

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		16	3.6	ug/m3			02/21/20 15:39	20
1,2-Dichloroethene, Total	ND		32	3.3	ug/m3			02/21/20 15:39	20
Chloroform	ND		20	3.1	ug/m3			02/21/20 15:39	20
Tetrahydrofuran	ND		290	3.9	ug/m3			02/21/20 15:39	20
1,1,1-Trichloroethane	ND		22	3.9	ug/m3			02/21/20 15:39	20
Cyclohexane	ND		14	3.2	ug/m3			02/21/20 15:39	20
Carbon tetrachloride	ND		7.5	3.0	ug/m3			02/21/20 15:39	20
2,2,4-Trimethylpentane	ND		19	3.8	ug/m3			02/21/20 15:39	20
Benzene	ND		13	4.3	ug/m3			02/21/20 15:39	20
1,2-Dichloroethane	ND		16	2.6	ug/m3			02/21/20 15:39	20
n-Heptane	ND		16	4.6	ug/m3			02/21/20 15:39	20
Trichloroethene	ND		6.4	3.8	ug/m3			02/21/20 15:39	20
Methyl methacrylate	ND		41	2.7	ug/m3			02/21/20 15:39	20
1,2-Dichloropropane	ND		18	3.1	ug/m3			02/21/20 15:39	20
1,4-Dioxane	ND		360	6.1	ug/m3			02/21/20 15:39	20
Bromodichloromethane	ND		27	4.7	ug/m3			02/21/20 15:39	20
cis-1,3-Dichloropropene	ND		18	2.9	ug/m3			02/21/20 15:39	20
methyl isobutyl ketone	ND		41	2.9	ug/m3			02/21/20 15:39	20
Toluene	ND		15	8.3	ug/m3			02/21/20 15:39	20
trans-1,3-Dichloropropene	ND		18	3.5	ug/m3			02/21/20 15:39	20
1,1,2-Trichloroethane	ND		22	3.9	ug/m3			02/21/20 15:39	20
Tetrachloroethene	ND		27	4.5	ug/m3			02/21/20 15:39	20
Methyl Butyl Ketone (2-Hexanone)	ND		41	3.9	ug/m3			02/21/20 15:39	20
Dibromochloromethane	ND		34	6.1	ug/m3			02/21/20 15:39	20
1,2-Dibromoethane	ND		31	7.5	ug/m3			02/21/20 15:39	20
Chlorobenzene	ND		18	5.2	ug/m3			02/21/20 15:39	20
Ethylbenzene	ND		17	5.5	ug/m3			02/21/20 15:39	20
m,p-Xylene	ND		43	8.7	ug/m3			02/21/20 15:39	20
Xylene, o-	ND		17	4.2	ug/m3			02/21/20 15:39	20
Xylene (total)	ND		61	4.2	ug/m3			02/21/20 15:39	20
Styrene	ND		17	3.4	ug/m3			02/21/20 15:39	20
Bromoform	ND		41	9.9	ug/m3			02/21/20 15:39	20
Cumene	ND		20	3.4	ug/m3			02/21/20 15:39	20
1,1,2,2-Tetrachloroethane	ND		27	5.8	ug/m3			02/21/20 15:39	20
n-Propylbenzene	ND		20	3.8	ug/m3			02/21/20 15:39	20
4-Ethyltoluene	ND		20	4.0	ug/m3			02/21/20 15:39	20
1,3,5-Trimethylbenzene	ND		20	3.8	ug/m3			02/21/20 15:39	20
2-Chlorotoluene	ND		21	4.3	ug/m3			02/21/20 15:39	20
tert-Butylbenzene	ND		22	3.8	ug/m3			02/21/20 15:39	20
1,2,4-Trimethylbenzene	ND		20	4.3	ug/m3			02/21/20 15:39	20
sec-Butylbenzene	ND		22	3.8	ug/m3			02/21/20 15:39	20
4-Isopropyltoluene	ND		22	4.3	ug/m3			02/21/20 15:39	20
1,3-Dichlorobenzene	ND		24	13	ug/m3			02/21/20 15:39	20
1,4-Dichlorobenzene	ND		24	14	ug/m3			02/21/20 15:39	20
Benzyl chloride	ND		21	8.8	ug/m3			02/21/20 15:39	20
n-Butylbenzene	ND		22	4.3	ug/m3			02/21/20 15:39	20
1,2-Dichlorobenzene	ND		24	12	ug/m3			02/21/20 15:39	20
1,2,4-Trichlorobenzene	ND		74	33	ug/m3			02/21/20 15:39	20

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SV-DUP-021420

Lab Sample ID: 200-52685-7

Date Collected: 02/14/20 11:05

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		43	16	ug/m3			02/21/20 15:39	20
Naphthalene	ND		52	18	ug/m3			02/21/20 15:39	20

Client Sample ID: SS-SV-07-021420

Lab Sample ID: 200-52685-8

Date Collected: 02/14/20 10:10

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50		0.50	0.11	ppb v/v			02/21/20 13:59	1
Freon 22	0.55		0.50	0.12	ppb v/v			02/21/20 13:59	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.035	ppb v/v			02/21/20 13:59	1
Chloromethane	0.60		0.50	0.11	ppb v/v			02/21/20 13:59	1
n-Butane	6.9		0.50	0.11	ppb v/v			02/21/20 13:59	1
Vinyl chloride	ND		0.060	0.044	ppb v/v			02/21/20 13:59	1
1,3-Butadiene	ND		0.20	0.057	ppb v/v			02/21/20 13:59	1
Bromomethane	ND		0.20	0.051	ppb v/v			02/21/20 13:59	1
Chloroethane	ND		0.50	0.054	ppb v/v			02/21/20 13:59	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.052	ppb v/v			02/21/20 13:59	1
Trichlorofluoromethane	0.23		0.20	0.060	ppb v/v			02/21/20 13:59	1
Freon TF	0.065 J		0.20	0.038	ppb v/v			02/21/20 13:59	1
1,1-Dichloroethene	ND		0.20	0.039	ppb v/v			02/21/20 13:59	1
Acetone	5.3		5.0	1.2	ppb v/v			02/21/20 13:59	1
Isopropyl alcohol	5.9		5.0	0.48	ppb v/v			02/21/20 13:59	1
Carbon disulfide	ND		0.50	0.074	ppb v/v			02/21/20 13:59	1
3-Chloropropene	ND		0.50	0.064	ppb v/v			02/21/20 13:59	1
Methylene Chloride	ND		0.50	0.27	ppb v/v			02/21/20 13:59	1
tert-Butyl alcohol	0.19 J		5.0	0.038	ppb v/v			02/21/20 13:59	1
Methyl tert-butyl ether	ND		0.20	0.033	ppb v/v			02/21/20 13:59	1
trans-1,2-Dichloroethene	0.45		0.20	0.042	ppb v/v			02/21/20 13:59	1
n-Hexane	ND		0.20	0.20	ppb v/v			02/21/20 13:59	1
1,1-Dichloroethane	ND		0.20	0.041	ppb v/v			02/21/20 13:59	1
Methyl Ethyl Ketone	0.78		0.50	0.072	ppb v/v			02/21/20 13:59	1
cis-1,2-Dichloroethene	ND		0.20	0.045	ppb v/v			02/21/20 13:59	1
1,2-Dichloroethene, Total	0.45		0.40	0.042	ppb v/v			02/21/20 13:59	1
Chloroform	0.036 J		0.20	0.032	ppb v/v			02/21/20 13:59	1
Tetrahydrofuran	ND		5.0	0.066	ppb v/v			02/21/20 13:59	1
1,1,1-Trichloroethane	ND		0.20	0.036	ppb v/v			02/21/20 13:59	1
Cyclohexane	0.046 J		0.20	0.046	ppb v/v			02/21/20 13:59	1
Carbon tetrachloride	0.068		0.060	0.024	ppb v/v			02/21/20 13:59	1
2,2,4-Trimethylpentane	ND		0.20	0.041	ppb v/v			02/21/20 13:59	1
Benzene	0.14 J		0.20	0.067	ppb v/v			02/21/20 13:59	1
1,2-Dichloroethane	ND		0.20	0.032	ppb v/v			02/21/20 13:59	1
n-Heptane	ND		0.20	0.056	ppb v/v			02/21/20 13:59	1
Trichloroethene	ND		0.060	0.035	ppb v/v			02/21/20 13:59	1
Methyl methacrylate	ND		0.50	0.033	ppb v/v			02/21/20 13:59	1
1,2-Dichloropropane	ND		0.20	0.033	ppb v/v			02/21/20 13:59	1
1,4-Dioxane	ND		5.0	0.084	ppb v/v			02/21/20 13:59	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SS-SV-07-021420

Lab Sample ID: 200-52685-8

Date Collected: 02/14/20 10:10

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		0.20	0.035	ppb v/v			02/21/20 13:59	1
cis-1,3-Dichloropropene	ND		0.20	0.032	ppb v/v			02/21/20 13:59	1
methyl isobutyl ketone	ND		0.50	0.036	ppb v/v			02/21/20 13:59	1
Toluene	0.36		0.20	0.11	ppb v/v			02/21/20 13:59	1
trans-1,3-Dichloropropene	ND		0.20	0.039	ppb v/v			02/21/20 13:59	1
1,1,2-Trichloroethane	ND		0.20	0.036	ppb v/v			02/21/20 13:59	1
Tetrachloroethene	ND		0.20	0.033	ppb v/v			02/21/20 13:59	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.048	ppb v/v			02/21/20 13:59	1
Dibromochloromethane	ND		0.20	0.036	ppb v/v			02/21/20 13:59	1
1,2-Dibromoethane	ND		0.20	0.049	ppb v/v			02/21/20 13:59	1
Chlorobenzene	ND		0.20	0.056	ppb v/v			02/21/20 13:59	1
Ethylbenzene	0.083	J	0.20	0.063	ppb v/v			02/21/20 13:59	1
m,p-Xylene	0.23	J	0.50	0.10	ppb v/v			02/21/20 13:59	1
Xylene, o-	0.061	J	0.20	0.048	ppb v/v			02/21/20 13:59	1
Xylene (total)	0.29	J	0.70	0.048	ppb v/v			02/21/20 13:59	1
Styrene	ND		0.20	0.040	ppb v/v			02/21/20 13:59	1
Bromoform	ND		0.20	0.048	ppb v/v			02/21/20 13:59	1
Cumene	ND		0.20	0.035	ppb v/v			02/21/20 13:59	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.042	ppb v/v			02/21/20 13:59	1
n-Propylbenzene	ND		0.20	0.039	ppb v/v			02/21/20 13:59	1
4-Ethyltoluene	ND		0.20	0.041	ppb v/v			02/21/20 13:59	1
1,3,5-Trimethylbenzene	ND		0.20	0.039	ppb v/v			02/21/20 13:59	1
2-Chlorotoluene	ND		0.20	0.042	ppb v/v			02/21/20 13:59	1
tert-Butylbenzene	ND		0.20	0.035	ppb v/v			02/21/20 13:59	1
1,2,4-Trimethylbenzene	ND		0.20	0.044	ppb v/v			02/21/20 13:59	1
sec-Butylbenzene	ND		0.20	0.035	ppb v/v			02/21/20 13:59	1
4-Isopropyltoluene	ND		0.20	0.039	ppb v/v			02/21/20 13:59	1
1,3-Dichlorobenzene	ND		0.20	0.11	ppb v/v			02/21/20 13:59	1
1,4-Dichlorobenzene	ND		0.20	0.12	ppb v/v			02/21/20 13:59	1
Benzyl chloride	ND		0.20	0.085	ppb v/v			02/21/20 13:59	1
n-Butylbenzene	ND		0.20	0.039	ppb v/v			02/21/20 13:59	1
1,2-Dichlorobenzene	ND		0.20	0.097	ppb v/v			02/21/20 13:59	1
1,2,4-Trichlorobenzene	ND		0.50	0.22	ppb v/v			02/21/20 13:59	1
Hexachlorobutadiene	ND		0.20	0.076	ppb v/v			02/21/20 13:59	1
Naphthalene	ND		0.50	0.17	ppb v/v			02/21/20 13:59	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.4		2.5	0.54	ug/m3			02/21/20 13:59	1
Freon 22	1.9		1.8	0.42	ug/m3			02/21/20 13:59	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.24	ug/m3			02/21/20 13:59	1
Chloromethane	1.2		1.0	0.23	ug/m3			02/21/20 13:59	1
n-Butane	16		1.2	0.26	ug/m3			02/21/20 13:59	1
Vinyl chloride	ND		0.15	0.11	ug/m3			02/21/20 13:59	1
1,3-Butadiene	ND		0.44	0.13	ug/m3			02/21/20 13:59	1
Bromomethane	ND		0.78	0.20	ug/m3			02/21/20 13:59	1
Chloroethane	ND		1.3	0.14	ug/m3			02/21/20 13:59	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.23	ug/m3			02/21/20 13:59	1
Trichlorofluoromethane	1.3		1.1	0.34	ug/m3			02/21/20 13:59	1
Freon TF	0.49	J	1.5	0.29	ug/m3			02/21/20 13:59	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SS-SV-07-021420

Lab Sample ID: 200-52685-8

Date Collected: 02/14/20 10:10

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.79	0.15	ug/m3			02/21/20 13:59	1
Acetone	13		12	2.9	ug/m3			02/21/20 13:59	1
Isopropyl alcohol	15		12	1.2	ug/m3			02/21/20 13:59	1
Carbon disulfide	ND		1.6	0.23	ug/m3			02/21/20 13:59	1
3-Chloropropene	ND		1.6	0.20	ug/m3			02/21/20 13:59	1
Methylene Chloride	ND		1.7	0.94	ug/m3			02/21/20 13:59	1
tert-Butyl alcohol	0.57	J	15	0.12	ug/m3			02/21/20 13:59	1
Methyl tert-butyl ether	ND		0.72	0.12	ug/m3			02/21/20 13:59	1
trans-1,2-Dichloroethene	1.8		0.79	0.17	ug/m3			02/21/20 13:59	1
n-Hexane	ND		0.70	0.70	ug/m3			02/21/20 13:59	1
1,1-Dichloroethane	ND		0.81	0.17	ug/m3			02/21/20 13:59	1
Methyl Ethyl Ketone	2.3		1.5	0.21	ug/m3			02/21/20 13:59	1
cis-1,2-Dichloroethene	ND		0.79	0.18	ug/m3			02/21/20 13:59	1
1,2-Dichloroethene, Total	1.8		1.6	0.17	ug/m3			02/21/20 13:59	1
Chloroform	0.17	J	0.98	0.16	ug/m3			02/21/20 13:59	1
Tetrahydrofuran	ND		15	0.19	ug/m3			02/21/20 13:59	1
1,1,1-Trichloroethane	ND		1.1	0.20	ug/m3			02/21/20 13:59	1
Cyclohexane	0.16	J	0.69	0.16	ug/m3			02/21/20 13:59	1
Carbon tetrachloride	0.43		0.38	0.15	ug/m3			02/21/20 13:59	1
2,2,4-Trimethylpentane	ND		0.93	0.19	ug/m3			02/21/20 13:59	1
Benzene	0.46	J	0.64	0.21	ug/m3			02/21/20 13:59	1
1,2-Dichloroethane	ND		0.81	0.13	ug/m3			02/21/20 13:59	1
n-Heptane	ND		0.82	0.23	ug/m3			02/21/20 13:59	1
Trichloroethene	ND		0.32	0.19	ug/m3			02/21/20 13:59	1
Methyl methacrylate	ND		2.0	0.14	ug/m3			02/21/20 13:59	1
1,2-Dichloropropane	ND		0.92	0.15	ug/m3			02/21/20 13:59	1
1,4-Dioxane	ND		18	0.30	ug/m3			02/21/20 13:59	1
Bromodichloromethane	ND		1.3	0.23	ug/m3			02/21/20 13:59	1
cis-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			02/21/20 13:59	1
methyl isobutyl ketone	ND		2.0	0.15	ug/m3			02/21/20 13:59	1
Toluene	1.3		0.75	0.41	ug/m3			02/21/20 13:59	1
trans-1,3-Dichloropropene	ND		0.91	0.18	ug/m3			02/21/20 13:59	1
1,1,2-Trichloroethane	ND		1.1	0.20	ug/m3			02/21/20 13:59	1
Tetrachloroethene	ND		1.4	0.22	ug/m3			02/21/20 13:59	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.20	ug/m3			02/21/20 13:59	1
Dibromochloromethane	ND		1.7	0.31	ug/m3			02/21/20 13:59	1
1,2-Dibromoethane	ND		1.5	0.38	ug/m3			02/21/20 13:59	1
Chlorobenzene	ND		0.92	0.26	ug/m3			02/21/20 13:59	1
Ethylbenzene	0.36	J	0.87	0.27	ug/m3			02/21/20 13:59	1
m,p-Xylene	0.99	J	2.2	0.43	ug/m3			02/21/20 13:59	1
Xylene, o-	0.26	J	0.87	0.21	ug/m3			02/21/20 13:59	1
Xylene (total)	1.3	J	3.0	0.21	ug/m3			02/21/20 13:59	1
Styrene	ND		0.85	0.17	ug/m3			02/21/20 13:59	1
Bromoform	ND		2.1	0.50	ug/m3			02/21/20 13:59	1
Cumene	ND		0.98	0.17	ug/m3			02/21/20 13:59	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.29	ug/m3			02/21/20 13:59	1
n-Propylbenzene	ND		0.98	0.19	ug/m3			02/21/20 13:59	1
4-Ethyltoluene	ND		0.98	0.20	ug/m3			02/21/20 13:59	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SS-SV-07-021420

Lab Sample ID: 200-52685-8

Date Collected: 02/14/20 10:10

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		0.98	0.19	ug/m3			02/21/20 13:59	1
2-Chlorotoluene	ND		1.0	0.22	ug/m3			02/21/20 13:59	1
tert-Butylbenzene	ND		1.1	0.19	ug/m3			02/21/20 13:59	1
1,2,4-Trimethylbenzene	ND		0.98	0.22	ug/m3			02/21/20 13:59	1
sec-Butylbenzene	ND		1.1	0.19	ug/m3			02/21/20 13:59	1
4-Isopropyltoluene	ND		1.1	0.21	ug/m3			02/21/20 13:59	1
1,3-Dichlorobenzene	ND		1.2	0.66	ug/m3			02/21/20 13:59	1
1,4-Dichlorobenzene	ND		1.2	0.72	ug/m3			02/21/20 13:59	1
Benzyl chloride	ND		1.0	0.44	ug/m3			02/21/20 13:59	1
n-Butylbenzene	ND		1.1	0.21	ug/m3			02/21/20 13:59	1
1,2-Dichlorobenzene	ND		1.2	0.58	ug/m3			02/21/20 13:59	1
1,2,4-Trichlorobenzene	ND		3.7	1.6	ug/m3			02/21/20 13:59	1
Hexachlorobutadiene	ND		2.1	0.81	ug/m3			02/21/20 13:59	1
Naphthalene	ND		2.6	0.89	ug/m3			02/21/20 13:59	1

Client Sample ID: IA-07-021420

Lab Sample ID: 200-52685-9

Date Collected: 02/14/20 10:35

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.47	J	0.50	0.11	ppb v/v			02/21/20 10:40	1
Freon 22	0.36	J	0.50	0.12	ppb v/v			02/21/20 10:40	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.035	ppb v/v			02/21/20 10:40	1
Chloromethane	0.63		0.50	0.11	ppb v/v			02/21/20 10:40	1
n-Butane	6.6		0.50	0.11	ppb v/v			02/21/20 10:40	1
Vinyl chloride	ND		0.060	0.044	ppb v/v			02/21/20 10:40	1
1,3-Butadiene	ND		0.20	0.057	ppb v/v			02/21/20 10:40	1
Bromomethane	ND		0.20	0.051	ppb v/v			02/21/20 10:40	1
Chloroethane	ND		0.50	0.054	ppb v/v			02/21/20 10:40	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.052	ppb v/v			02/21/20 10:40	1
Trichlorofluoromethane	0.22		0.20	0.060	ppb v/v			02/21/20 10:40	1
Freon TF	0.064	J	0.20	0.038	ppb v/v			02/21/20 10:40	1
1,1-Dichloroethene	ND		0.20	0.039	ppb v/v			02/21/20 10:40	1
Acetone	3.3	J	5.0	1.2	ppb v/v			02/21/20 10:40	1
Isopropyl alcohol	5.4		5.0	0.48	ppb v/v			02/21/20 10:40	1
Carbon disulfide	0.085	J	0.50	0.074	ppb v/v			02/21/20 10:40	1
3-Chloropropene	ND		0.50	0.064	ppb v/v			02/21/20 10:40	1
Methylene Chloride	ND		0.50	0.27	ppb v/v			02/21/20 10:40	1
tert-Butyl alcohol	0.083	J	5.0	0.038	ppb v/v			02/21/20 10:40	1
Methyl tert-butyl ether	ND		0.20	0.033	ppb v/v			02/21/20 10:40	1
trans-1,2-Dichloroethene	0.42		0.20	0.042	ppb v/v			02/21/20 10:40	1
n-Hexane	ND		0.20	0.20	ppb v/v			02/21/20 10:40	1
1,1-Dichloroethane	ND		0.20	0.041	ppb v/v			02/21/20 10:40	1
Methyl Ethyl Ketone	0.88		0.50	0.072	ppb v/v			02/21/20 10:40	1
cis-1,2-Dichloroethene	ND		0.20	0.045	ppb v/v			02/21/20 10:40	1
1,2-Dichloroethene, Total	0.42		0.40	0.042	ppb v/v			02/21/20 10:40	1
Chloroform	0.038	J	0.20	0.032	ppb v/v			02/21/20 10:40	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: IA-07-021420

Lab Sample ID: 200-52685-9

Date Collected: 02/14/20 10:35

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	ND		5.0	0.066	ppb v/v			02/21/20 10:40	1
1,1,1-Trichloroethane	ND		0.20	0.036	ppb v/v			02/21/20 10:40	1
Cyclohexane	ND		0.20	0.046	ppb v/v			02/21/20 10:40	1
Carbon tetrachloride	0.054	J	0.060	0.024	ppb v/v			02/21/20 10:40	1
2,2,4-Trimethylpentane	ND		0.20	0.041	ppb v/v			02/21/20 10:40	1
Benzene	0.14	J	0.20	0.067	ppb v/v			02/21/20 10:40	1
1,2-Dichloroethane	ND		0.20	0.032	ppb v/v			02/21/20 10:40	1
n-Heptane	ND		0.20	0.056	ppb v/v			02/21/20 10:40	1
Trichloroethene	ND		0.060	0.035	ppb v/v			02/21/20 10:40	1
Methyl methacrylate	ND		0.50	0.033	ppb v/v			02/21/20 10:40	1
1,2-Dichloropropane	ND		0.20	0.033	ppb v/v			02/21/20 10:40	1
1,4-Dioxane	ND		5.0	0.084	ppb v/v			02/21/20 10:40	1
Bromodichloromethane	ND		0.20	0.035	ppb v/v			02/21/20 10:40	1
cis-1,3-Dichloropropene	ND		0.20	0.032	ppb v/v			02/21/20 10:40	1
methyl isobutyl ketone	ND		0.50	0.036	ppb v/v			02/21/20 10:40	1
Toluene	0.32		0.20	0.11	ppb v/v			02/21/20 10:40	1
trans-1,3-Dichloropropene	ND		0.20	0.039	ppb v/v			02/21/20 10:40	1
1,1,2-Trichloroethane	ND		0.20	0.036	ppb v/v			02/21/20 10:40	1
Tetrachloroethene	ND		0.20	0.033	ppb v/v			02/21/20 10:40	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.048	ppb v/v			02/21/20 10:40	1
Dibromochloromethane	ND		0.20	0.036	ppb v/v			02/21/20 10:40	1
1,2-Dibromoethane	ND		0.20	0.049	ppb v/v			02/21/20 10:40	1
Chlorobenzene	ND		0.20	0.056	ppb v/v			02/21/20 10:40	1
Ethylbenzene	ND		0.20	0.063	ppb v/v			02/21/20 10:40	1
m,p-Xylene	0.14	J	0.50	0.10	ppb v/v			02/21/20 10:40	1
Xylene, o-	ND		0.20	0.048	ppb v/v			02/21/20 10:40	1
Xylene (total)	0.14	J	0.70	0.048	ppb v/v			02/21/20 10:40	1
Styrene	ND		0.20	0.040	ppb v/v			02/21/20 10:40	1
Bromoform	ND		0.20	0.048	ppb v/v			02/21/20 10:40	1
Cumene	ND		0.20	0.035	ppb v/v			02/21/20 10:40	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.042	ppb v/v			02/21/20 10:40	1
n-Propylbenzene	ND		0.20	0.039	ppb v/v			02/21/20 10:40	1
4-Ethyltoluene	ND		0.20	0.041	ppb v/v			02/21/20 10:40	1
1,3,5-Trimethylbenzene	ND		0.20	0.039	ppb v/v			02/21/20 10:40	1
2-Chlorotoluene	ND		0.20	0.042	ppb v/v			02/21/20 10:40	1
tert-Butylbenzene	ND		0.20	0.035	ppb v/v			02/21/20 10:40	1
1,2,4-Trimethylbenzene	ND		0.20	0.044	ppb v/v			02/21/20 10:40	1
sec-Butylbenzene	ND		0.20	0.035	ppb v/v			02/21/20 10:40	1
4-Isopropyltoluene	ND		0.20	0.039	ppb v/v			02/21/20 10:40	1
1,3-Dichlorobenzene	ND		0.20	0.11	ppb v/v			02/21/20 10:40	1
1,4-Dichlorobenzene	ND		0.20	0.12	ppb v/v			02/21/20 10:40	1
Benzyl chloride	ND		0.20	0.085	ppb v/v			02/21/20 10:40	1
n-Butylbenzene	ND		0.20	0.039	ppb v/v			02/21/20 10:40	1
1,2-Dichlorobenzene	ND		0.20	0.097	ppb v/v			02/21/20 10:40	1
1,2,4-Trichlorobenzene	ND		0.50	0.22	ppb v/v			02/21/20 10:40	1
Hexachlorobutadiene	ND		0.20	0.076	ppb v/v			02/21/20 10:40	1
Naphthalene	ND		0.50	0.17	ppb v/v			02/21/20 10:40	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: IA-07-021420

Lab Sample ID: 200-52685-9

Date Collected: 02/14/20 10:35

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.3	J	2.5	0.54	ug/m3			02/21/20 10:40	1
Freon 22	1.3	J	1.8	0.42	ug/m3			02/21/20 10:40	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.24	ug/m3			02/21/20 10:40	1
Chloromethane	1.3		1.0	0.23	ug/m3			02/21/20 10:40	1
n-Butane	16		1.2	0.26	ug/m3			02/21/20 10:40	1
Vinyl chloride	ND		0.15	0.11	ug/m3			02/21/20 10:40	1
1,3-Butadiene	ND		0.44	0.13	ug/m3			02/21/20 10:40	1
Bromomethane	ND		0.78	0.20	ug/m3			02/21/20 10:40	1
Chloroethane	ND		1.3	0.14	ug/m3			02/21/20 10:40	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.23	ug/m3			02/21/20 10:40	1
Trichlorofluoromethane	1.2		1.1	0.34	ug/m3			02/21/20 10:40	1
Freon TF	0.49	J	1.5	0.29	ug/m3			02/21/20 10:40	1
1,1-Dichloroethene	ND		0.79	0.15	ug/m3			02/21/20 10:40	1
Acetone	7.8	J	12	2.9	ug/m3			02/21/20 10:40	1
Isopropyl alcohol	13		12	1.2	ug/m3			02/21/20 10:40	1
Carbon disulfide	0.27	J	1.6	0.23	ug/m3			02/21/20 10:40	1
3-Chloropropene	ND		1.6	0.20	ug/m3			02/21/20 10:40	1
Methylene Chloride	ND		1.7	0.94	ug/m3			02/21/20 10:40	1
tert-Butyl alcohol	0.25	J	15	0.12	ug/m3			02/21/20 10:40	1
Methyl tert-butyl ether	ND		0.72	0.12	ug/m3			02/21/20 10:40	1
trans-1,2-Dichloroethene	1.7		0.79	0.17	ug/m3			02/21/20 10:40	1
n-Hexane	ND		0.70	0.70	ug/m3			02/21/20 10:40	1
1,1-Dichloroethane	ND		0.81	0.17	ug/m3			02/21/20 10:40	1
Methyl Ethyl Ketone	2.6		1.5	0.21	ug/m3			02/21/20 10:40	1
cis-1,2-Dichloroethene	ND		0.79	0.18	ug/m3			02/21/20 10:40	1
1,2-Dichloroethene, Total	1.7		1.6	0.17	ug/m3			02/21/20 10:40	1
Chloroform	0.18	J	0.98	0.16	ug/m3			02/21/20 10:40	1
Tetrahydrofuran	ND		15	0.19	ug/m3			02/21/20 10:40	1
1,1,1-Trichloroethane	ND		1.1	0.20	ug/m3			02/21/20 10:40	1
Cyclohexane	ND		0.69	0.16	ug/m3			02/21/20 10:40	1
Carbon tetrachloride	0.34	J	0.38	0.15	ug/m3			02/21/20 10:40	1
2,2,4-Trimethylpentane	ND		0.93	0.19	ug/m3			02/21/20 10:40	1
Benzene	0.44	J	0.64	0.21	ug/m3			02/21/20 10:40	1
1,2-Dichloroethane	ND		0.81	0.13	ug/m3			02/21/20 10:40	1
n-Heptane	ND		0.82	0.23	ug/m3			02/21/20 10:40	1
Trichloroethene	ND		0.32	0.19	ug/m3			02/21/20 10:40	1
Methyl methacrylate	ND		2.0	0.14	ug/m3			02/21/20 10:40	1
1,2-Dichloropropane	ND		0.92	0.15	ug/m3			02/21/20 10:40	1
1,4-Dioxane	ND		18	0.30	ug/m3			02/21/20 10:40	1
Bromodichloromethane	ND		1.3	0.23	ug/m3			02/21/20 10:40	1
cis-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			02/21/20 10:40	1
methyl isobutyl ketone	ND		2.0	0.15	ug/m3			02/21/20 10:40	1
Toluene	1.2		0.75	0.41	ug/m3			02/21/20 10:40	1
trans-1,3-Dichloropropene	ND		0.91	0.18	ug/m3			02/21/20 10:40	1
1,1,2-Trichloroethane	ND		1.1	0.20	ug/m3			02/21/20 10:40	1
Tetrachloroethene	ND		1.4	0.22	ug/m3			02/21/20 10:40	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.20	ug/m3			02/21/20 10:40	1
Dibromochloromethane	ND		1.7	0.31	ug/m3			02/21/20 10:40	1
1,2-Dibromoethane	ND		1.5	0.38	ug/m3			02/21/20 10:40	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: IA-07-021420

Lab Sample ID: 200-52685-9

Date Collected: 02/14/20 10:35

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		0.92	0.26	ug/m3			02/21/20 10:40	1
Ethylbenzene	ND		0.87	0.27	ug/m3			02/21/20 10:40	1
m,p-Xylene	0.61	J	2.2	0.43	ug/m3			02/21/20 10:40	1
Xylene, o-	ND		0.87	0.21	ug/m3			02/21/20 10:40	1
Xylene (total)	0.61	J	3.0	0.21	ug/m3			02/21/20 10:40	1
Styrene	ND		0.85	0.17	ug/m3			02/21/20 10:40	1
Bromoform	ND		2.1	0.50	ug/m3			02/21/20 10:40	1
Cumene	ND		0.98	0.17	ug/m3			02/21/20 10:40	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.29	ug/m3			02/21/20 10:40	1
n-Propylbenzene	ND		0.98	0.19	ug/m3			02/21/20 10:40	1
4-Ethyltoluene	ND		0.98	0.20	ug/m3			02/21/20 10:40	1
1,3,5-Trimethylbenzene	ND		0.98	0.19	ug/m3			02/21/20 10:40	1
2-Chlorotoluene	ND		1.0	0.22	ug/m3			02/21/20 10:40	1
tert-Butylbenzene	ND		1.1	0.19	ug/m3			02/21/20 10:40	1
1,2,4-Trimethylbenzene	ND		0.98	0.22	ug/m3			02/21/20 10:40	1
sec-Butylbenzene	ND		1.1	0.19	ug/m3			02/21/20 10:40	1
4-Isopropyltoluene	ND		1.1	0.21	ug/m3			02/21/20 10:40	1
1,3-Dichlorobenzene	ND		1.2	0.66	ug/m3			02/21/20 10:40	1
1,4-Dichlorobenzene	ND		1.2	0.72	ug/m3			02/21/20 10:40	1
Benzyl chloride	ND		1.0	0.44	ug/m3			02/21/20 10:40	1
n-Butylbenzene	ND		1.1	0.21	ug/m3			02/21/20 10:40	1
1,2-Dichlorobenzene	ND		1.2	0.58	ug/m3			02/21/20 10:40	1
1,2,4-Trichlorobenzene	ND		3.7	1.6	ug/m3			02/21/20 10:40	1
Hexachlorobutadiene	ND		2.1	0.81	ug/m3			02/21/20 10:40	1
Naphthalene	ND		2.6	0.89	ug/m3			02/21/20 10:40	1

Client Sample ID: AA-03-021420

Lab Sample ID: 200-52685-10

Date Collected: 02/14/20 09:50

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.55		0.50	0.11	ppb v/v			02/21/20 11:29	1
Freon 22	0.42	J	0.50	0.12	ppb v/v			02/21/20 11:29	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.035	ppb v/v			02/21/20 11:29	1
Chloromethane	0.65		0.50	0.11	ppb v/v			02/21/20 11:29	1
n-Butane	1.4		0.50	0.11	ppb v/v			02/21/20 11:29	1
Vinyl chloride	ND		0.060	0.044	ppb v/v			02/21/20 11:29	1
1,3-Butadiene	0.066	J	0.20	0.057	ppb v/v			02/21/20 11:29	1
Bromomethane	ND		0.20	0.051	ppb v/v			02/21/20 11:29	1
Chloroethane	ND		0.50	0.054	ppb v/v			02/21/20 11:29	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.052	ppb v/v			02/21/20 11:29	1
Trichlorofluoromethane	0.23		0.20	0.060	ppb v/v			02/21/20 11:29	1
Freon TF	0.065	J	0.20	0.038	ppb v/v			02/21/20 11:29	1
1,1-Dichloroethene	ND		0.20	0.039	ppb v/v			02/21/20 11:29	1
Acetone	2.3	J	5.0	1.2	ppb v/v			02/21/20 11:29	1
Isopropyl alcohol	ND		5.0	0.48	ppb v/v			02/21/20 11:29	1
Carbon disulfide	ND		0.50	0.074	ppb v/v			02/21/20 11:29	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: AA-03-021420

Lab Sample ID: 200-52685-10

Date Collected: 02/14/20 09:50

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Chloropropene	ND		0.50	0.064	ppb v/v			02/21/20 11:29	1
Methylene Chloride	ND		0.50	0.27	ppb v/v			02/21/20 11:29	1
tert-Butyl alcohol	0.067	J	5.0	0.038	ppb v/v			02/21/20 11:29	1
Methyl tert-butyl ether	ND		0.20	0.033	ppb v/v			02/21/20 11:29	1
trans-1,2-Dichloroethene	ND		0.20	0.042	ppb v/v			02/21/20 11:29	1
n-Hexane	ND		0.20	0.20	ppb v/v			02/21/20 11:29	1
1,1-Dichloroethane	ND		0.20	0.041	ppb v/v			02/21/20 11:29	1
Methyl Ethyl Ketone	0.30	J	0.50	0.072	ppb v/v			02/21/20 11:29	1
cis-1,2-Dichloroethene	ND		0.20	0.045	ppb v/v			02/21/20 11:29	1
1,2-Dichloroethene, Total	ND		0.40	0.042	ppb v/v			02/21/20 11:29	1
Chloroform	ND		0.20	0.032	ppb v/v			02/21/20 11:29	1
Tetrahydrofuran	ND		5.0	0.066	ppb v/v			02/21/20 11:29	1
1,1,1-Trichloroethane	ND		0.20	0.036	ppb v/v			02/21/20 11:29	1
Cyclohexane	ND		0.20	0.046	ppb v/v			02/21/20 11:29	1
Carbon tetrachloride	0.060		0.060	0.024	ppb v/v			02/21/20 11:29	1
2,2,4-Trimethylpentane	0.054	J	0.20	0.041	ppb v/v			02/21/20 11:29	1
Benzene	0.24		0.20	0.067	ppb v/v			02/21/20 11:29	1
1,2-Dichloroethane	ND		0.20	0.032	ppb v/v			02/21/20 11:29	1
n-Heptane	ND		0.20	0.056	ppb v/v			02/21/20 11:29	1
Trichloroethene	ND		0.060	0.035	ppb v/v			02/21/20 11:29	1
Methyl methacrylate	ND		0.50	0.033	ppb v/v			02/21/20 11:29	1
1,2-Dichloropropane	ND		0.20	0.033	ppb v/v			02/21/20 11:29	1
1,4-Dioxane	ND		5.0	0.084	ppb v/v			02/21/20 11:29	1
Bromodichloromethane	ND		0.20	0.035	ppb v/v			02/21/20 11:29	1
cis-1,3-Dichloropropene	ND		0.20	0.032	ppb v/v			02/21/20 11:29	1
methyl isobutyl ketone	ND		0.50	0.036	ppb v/v			02/21/20 11:29	1
Toluene	0.31		0.20	0.11	ppb v/v			02/21/20 11:29	1
trans-1,3-Dichloropropene	ND		0.20	0.039	ppb v/v			02/21/20 11:29	1
1,1,2-Trichloroethane	ND		0.20	0.036	ppb v/v			02/21/20 11:29	1
Tetrachloroethene	ND		0.20	0.033	ppb v/v			02/21/20 11:29	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.048	ppb v/v			02/21/20 11:29	1
Dibromochloromethane	ND		0.20	0.036	ppb v/v			02/21/20 11:29	1
1,2-Dibromoethane	ND		0.20	0.049	ppb v/v			02/21/20 11:29	1
Chlorobenzene	ND		0.20	0.056	ppb v/v			02/21/20 11:29	1
Ethylbenzene	ND		0.20	0.063	ppb v/v			02/21/20 11:29	1
m,p-Xylene	0.17	J	0.50	0.10	ppb v/v			02/21/20 11:29	1
Xylene, o-	ND		0.20	0.048	ppb v/v			02/21/20 11:29	1
Xylene (total)	0.17	J	0.70	0.048	ppb v/v			02/21/20 11:29	1
Styrene	ND		0.20	0.040	ppb v/v			02/21/20 11:29	1
Bromoform	ND		0.20	0.048	ppb v/v			02/21/20 11:29	1
Cumene	ND		0.20	0.035	ppb v/v			02/21/20 11:29	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.042	ppb v/v			02/21/20 11:29	1
n-Propylbenzene	ND		0.20	0.039	ppb v/v			02/21/20 11:29	1
4-Ethyltoluene	ND		0.20	0.041	ppb v/v			02/21/20 11:29	1
1,3,5-Trimethylbenzene	ND		0.20	0.039	ppb v/v			02/21/20 11:29	1
2-Chlorotoluene	ND		0.20	0.042	ppb v/v			02/21/20 11:29	1
tert-Butylbenzene	ND		0.20	0.035	ppb v/v			02/21/20 11:29	1
1,2,4-Trimethylbenzene	ND		0.20	0.044	ppb v/v			02/21/20 11:29	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: AA-03-021420

Lab Sample ID: 200-52685-10

Date Collected: 02/14/20 09:50

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.20	0.035	ppb v/v			02/21/20 11:29	1
4-Isopropyltoluene	ND		0.20	0.039	ppb v/v			02/21/20 11:29	1
1,3-Dichlorobenzene	ND		0.20	0.11	ppb v/v			02/21/20 11:29	1
1,4-Dichlorobenzene	ND		0.20	0.12	ppb v/v			02/21/20 11:29	1
Benzyl chloride	ND		0.20	0.085	ppb v/v			02/21/20 11:29	1
n-Butylbenzene	ND		0.20	0.039	ppb v/v			02/21/20 11:29	1
1,2-Dichlorobenzene	ND		0.20	0.097	ppb v/v			02/21/20 11:29	1
1,2,4-Trichlorobenzene	ND		0.50	0.22	ppb v/v			02/21/20 11:29	1
Hexachlorobutadiene	ND		0.20	0.076	ppb v/v			02/21/20 11:29	1
Naphthalene	ND		0.50	0.17	ppb v/v			02/21/20 11:29	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.7		2.5	0.54	ug/m3			02/21/20 11:29	1
Freon 22	1.5	J	1.8	0.42	ug/m3			02/21/20 11:29	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.24	ug/m3			02/21/20 11:29	1
Chloromethane	1.4		1.0	0.23	ug/m3			02/21/20 11:29	1
n-Butane	3.3		1.2	0.26	ug/m3			02/21/20 11:29	1
Vinyl chloride	ND		0.15	0.11	ug/m3			02/21/20 11:29	1
1,3-Butadiene	0.15	J	0.44	0.13	ug/m3			02/21/20 11:29	1
Bromomethane	ND		0.78	0.20	ug/m3			02/21/20 11:29	1
Chloroethane	ND		1.3	0.14	ug/m3			02/21/20 11:29	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.23	ug/m3			02/21/20 11:29	1
Trichlorofluoromethane	1.3		1.1	0.34	ug/m3			02/21/20 11:29	1
Freon TF	0.50	J	1.5	0.29	ug/m3			02/21/20 11:29	1
1,1-Dichloroethene	ND		0.79	0.15	ug/m3			02/21/20 11:29	1
Acetone	5.5	J	12	2.9	ug/m3			02/21/20 11:29	1
Isopropyl alcohol	ND		12	1.2	ug/m3			02/21/20 11:29	1
Carbon disulfide	ND		1.6	0.23	ug/m3			02/21/20 11:29	1
3-Chloropropene	ND		1.6	0.20	ug/m3			02/21/20 11:29	1
Methylene Chloride	ND		1.7	0.94	ug/m3			02/21/20 11:29	1
tert-Butyl alcohol	0.20	J	15	0.12	ug/m3			02/21/20 11:29	1
Methyl tert-butyl ether	ND		0.72	0.12	ug/m3			02/21/20 11:29	1
trans-1,2-Dichloroethene	ND		0.79	0.17	ug/m3			02/21/20 11:29	1
n-Hexane	ND		0.70	0.70	ug/m3			02/21/20 11:29	1
1,1-Dichloroethane	ND		0.81	0.17	ug/m3			02/21/20 11:29	1
Methyl Ethyl Ketone	0.87	J	1.5	0.21	ug/m3			02/21/20 11:29	1
cis-1,2-Dichloroethene	ND		0.79	0.18	ug/m3			02/21/20 11:29	1
1,2-Dichloroethene, Total	ND		1.6	0.17	ug/m3			02/21/20 11:29	1
Chloroform	ND		0.98	0.16	ug/m3			02/21/20 11:29	1
Tetrahydrofuran	ND		15	0.19	ug/m3			02/21/20 11:29	1
1,1,1-Trichloroethane	ND		1.1	0.20	ug/m3			02/21/20 11:29	1
Cyclohexane	ND		0.69	0.16	ug/m3			02/21/20 11:29	1
Carbon tetrachloride	0.38		0.38	0.15	ug/m3			02/21/20 11:29	1
2,2,4-Trimethylpentane	0.25	J	0.93	0.19	ug/m3			02/21/20 11:29	1
Benzene	0.78		0.64	0.21	ug/m3			02/21/20 11:29	1
1,2-Dichloroethane	ND		0.81	0.13	ug/m3			02/21/20 11:29	1
n-Heptane	ND		0.82	0.23	ug/m3			02/21/20 11:29	1
Trichloroethene	ND		0.32	0.19	ug/m3			02/21/20 11:29	1
Methyl methacrylate	ND		2.0	0.14	ug/m3			02/21/20 11:29	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: AA-03-021420

Lab Sample ID: 200-52685-10

Date Collected: 02/14/20 09:50

Matrix: Air

Date Received: 02/18/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		0.92	0.15	ug/m3			02/21/20 11:29	1
1,4-Dioxane	ND		18	0.30	ug/m3			02/21/20 11:29	1
Bromodichloromethane	ND		1.3	0.23	ug/m3			02/21/20 11:29	1
cis-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			02/21/20 11:29	1
methyl isobutyl ketone	ND		2.0	0.15	ug/m3			02/21/20 11:29	1
Toluene	1.2		0.75	0.41	ug/m3			02/21/20 11:29	1
trans-1,3-Dichloropropene	ND		0.91	0.18	ug/m3			02/21/20 11:29	1
1,1,2-Trichloroethane	ND		1.1	0.20	ug/m3			02/21/20 11:29	1
Tetrachloroethene	ND		1.4	0.22	ug/m3			02/21/20 11:29	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.20	ug/m3			02/21/20 11:29	1
Dibromochloromethane	ND		1.7	0.31	ug/m3			02/21/20 11:29	1
1,2-Dibromoethane	ND		1.5	0.38	ug/m3			02/21/20 11:29	1
Chlorobenzene	ND		0.92	0.26	ug/m3			02/21/20 11:29	1
Ethylbenzene	ND		0.87	0.27	ug/m3			02/21/20 11:29	1
m,p-Xylene	0.76	J	2.2	0.43	ug/m3			02/21/20 11:29	1
Xylene, o-	ND		0.87	0.21	ug/m3			02/21/20 11:29	1
Xylene (total)	0.74	J	3.0	0.21	ug/m3			02/21/20 11:29	1
Styrene	ND		0.85	0.17	ug/m3			02/21/20 11:29	1
Bromoform	ND		2.1	0.50	ug/m3			02/21/20 11:29	1
Cumene	ND		0.98	0.17	ug/m3			02/21/20 11:29	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.29	ug/m3			02/21/20 11:29	1
n-Propylbenzene	ND		0.98	0.19	ug/m3			02/21/20 11:29	1
4-Ethyltoluene	ND		0.98	0.20	ug/m3			02/21/20 11:29	1
1,3,5-Trimethylbenzene	ND		0.98	0.19	ug/m3			02/21/20 11:29	1
2-Chlorotoluene	ND		1.0	0.22	ug/m3			02/21/20 11:29	1
tert-Butylbenzene	ND		1.1	0.19	ug/m3			02/21/20 11:29	1
1,2,4-Trimethylbenzene	ND		0.98	0.22	ug/m3			02/21/20 11:29	1
sec-Butylbenzene	ND		1.1	0.19	ug/m3			02/21/20 11:29	1
4-Isopropyltoluene	ND		1.1	0.21	ug/m3			02/21/20 11:29	1
1,3-Dichlorobenzene	ND		1.2	0.66	ug/m3			02/21/20 11:29	1
1,4-Dichlorobenzene	ND		1.2	0.72	ug/m3			02/21/20 11:29	1
Benzyl chloride	ND		1.0	0.44	ug/m3			02/21/20 11:29	1
n-Butylbenzene	ND		1.1	0.21	ug/m3			02/21/20 11:29	1
1,2-Dichlorobenzene	ND		1.2	0.58	ug/m3			02/21/20 11:29	1
1,2,4-Trichlorobenzene	ND		3.7	1.6	ug/m3			02/21/20 11:29	1
Hexachlorobutadiene	ND		2.1	0.81	ug/m3			02/21/20 11:29	1
Naphthalene	ND		2.6	0.89	ug/m3			02/21/20 11:29	1

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-152580/4

Matrix: Air

Analysis Batch: 152580

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.11	ppb v/v			02/20/20 13:23	1
Freon 22	ND		0.50	0.12	ppb v/v			02/20/20 13:23	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.035	ppb v/v			02/20/20 13:23	1
Chloromethane	ND		0.50	0.11	ppb v/v			02/20/20 13:23	1
n-Butane	ND		0.50	0.11	ppb v/v			02/20/20 13:23	1
Vinyl chloride	ND		0.060	0.044	ppb v/v			02/20/20 13:23	1
1,3-Butadiene	ND		0.20	0.057	ppb v/v			02/20/20 13:23	1
Bromomethane	ND		0.20	0.051	ppb v/v			02/20/20 13:23	1
Chloroethane	ND		0.50	0.054	ppb v/v			02/20/20 13:23	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.052	ppb v/v			02/20/20 13:23	1
Trichlorofluoromethane	ND		0.20	0.060	ppb v/v			02/20/20 13:23	1
Freon TF	ND		0.20	0.038	ppb v/v			02/20/20 13:23	1
1,1-Dichloroethene	ND		0.20	0.039	ppb v/v			02/20/20 13:23	1
Acetone	ND		5.0	1.2	ppb v/v			02/20/20 13:23	1
Isopropyl alcohol	ND		5.0	0.48	ppb v/v			02/20/20 13:23	1
Carbon disulfide	ND		0.50	0.074	ppb v/v			02/20/20 13:23	1
3-Chloropropene	ND		0.50	0.064	ppb v/v			02/20/20 13:23	1
Methylene Chloride	ND		0.50	0.27	ppb v/v			02/20/20 13:23	1
tert-Butyl alcohol	ND		5.0	0.038	ppb v/v			02/20/20 13:23	1
Methyl tert-butyl ether	ND		0.20	0.033	ppb v/v			02/20/20 13:23	1
trans-1,2-Dichloroethene	ND		0.20	0.042	ppb v/v			02/20/20 13:23	1
n-Hexane	ND		0.20	0.20	ppb v/v			02/20/20 13:23	1
1,1-Dichloroethane	ND		0.20	0.041	ppb v/v			02/20/20 13:23	1
Methyl Ethyl Ketone	ND		0.50	0.072	ppb v/v			02/20/20 13:23	1
cis-1,2-Dichloroethene	ND		0.20	0.045	ppb v/v			02/20/20 13:23	1
1,2-Dichloroethene, Total	ND		0.40	0.042	ppb v/v			02/20/20 13:23	1
Chloroform	ND		0.20	0.032	ppb v/v			02/20/20 13:23	1
Tetrahydrofuran	ND		5.0	0.066	ppb v/v			02/20/20 13:23	1
1,1,1-Trichloroethane	ND		0.20	0.036	ppb v/v			02/20/20 13:23	1
Cyclohexane	ND		0.20	0.046	ppb v/v			02/20/20 13:23	1
Carbon tetrachloride	ND		0.060	0.024	ppb v/v			02/20/20 13:23	1
2,2,4-Trimethylpentane	ND		0.20	0.041	ppb v/v			02/20/20 13:23	1
Benzene	ND		0.20	0.067	ppb v/v			02/20/20 13:23	1
1,2-Dichloroethane	ND		0.20	0.032	ppb v/v			02/20/20 13:23	1
n-Heptane	ND		0.20	0.056	ppb v/v			02/20/20 13:23	1
Trichloroethene	ND		0.060	0.035	ppb v/v			02/20/20 13:23	1
Methyl methacrylate	ND		0.50	0.033	ppb v/v			02/20/20 13:23	1
1,2-Dichloropropane	ND		0.20	0.033	ppb v/v			02/20/20 13:23	1
1,4-Dioxane	ND		5.0	0.084	ppb v/v			02/20/20 13:23	1
Bromodichloromethane	ND		0.20	0.035	ppb v/v			02/20/20 13:23	1
cis-1,3-Dichloropropene	ND		0.20	0.032	ppb v/v			02/20/20 13:23	1
methyl isobutyl ketone	ND		0.50	0.036	ppb v/v			02/20/20 13:23	1
Toluene	ND		0.20	0.11	ppb v/v			02/20/20 13:23	1
trans-1,3-Dichloropropene	ND		0.20	0.039	ppb v/v			02/20/20 13:23	1
1,1,2-Trichloroethane	ND		0.20	0.036	ppb v/v			02/20/20 13:23	1
Tetrachloroethene	ND		0.20	0.033	ppb v/v			02/20/20 13:23	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.048	ppb v/v			02/20/20 13:23	1
Dibromochloromethane	ND		0.20	0.036	ppb v/v			02/20/20 13:23	1

Eurofins TestAmerica, Burlington

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-152580/4

Matrix: Air

Analysis Batch: 152580

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.20	0.049	ppb v/v			02/20/20 13:23	1
Chlorobenzene	ND		0.20	0.056	ppb v/v			02/20/20 13:23	1
Ethylbenzene	ND		0.20	0.063	ppb v/v			02/20/20 13:23	1
m,p-Xylene	ND		0.50	0.10	ppb v/v			02/20/20 13:23	1
Xylene, o-	ND		0.20	0.048	ppb v/v			02/20/20 13:23	1
Xylene (total)	ND		0.70	0.048	ppb v/v			02/20/20 13:23	1
Styrene	ND		0.20	0.040	ppb v/v			02/20/20 13:23	1
Bromoform	ND		0.20	0.048	ppb v/v			02/20/20 13:23	1
Cumene	ND		0.20	0.035	ppb v/v			02/20/20 13:23	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.042	ppb v/v			02/20/20 13:23	1
n-Propylbenzene	ND		0.20	0.039	ppb v/v			02/20/20 13:23	1
4-Ethyltoluene	ND		0.20	0.041	ppb v/v			02/20/20 13:23	1
1,3,5-Trimethylbenzene	ND		0.20	0.039	ppb v/v			02/20/20 13:23	1
2-Chlorotoluene	ND		0.20	0.042	ppb v/v			02/20/20 13:23	1
tert-Butylbenzene	ND		0.20	0.035	ppb v/v			02/20/20 13:23	1
1,2,4-Trimethylbenzene	ND		0.20	0.044	ppb v/v			02/20/20 13:23	1
sec-Butylbenzene	ND		0.20	0.035	ppb v/v			02/20/20 13:23	1
4-Isopropyltoluene	ND		0.20	0.039	ppb v/v			02/20/20 13:23	1
1,3-Dichlorobenzene	ND		0.20	0.11	ppb v/v			02/20/20 13:23	1
1,4-Dichlorobenzene	ND		0.20	0.12	ppb v/v			02/20/20 13:23	1
Benzyl chloride	ND		0.20	0.085	ppb v/v			02/20/20 13:23	1
n-Butylbenzene	ND		0.20	0.039	ppb v/v			02/20/20 13:23	1
1,2-Dichlorobenzene	ND		0.20	0.097	ppb v/v			02/20/20 13:23	1
1,2,4-Trichlorobenzene	ND		0.50	0.22	ppb v/v			02/20/20 13:23	1
Hexachlorobutadiene	ND		0.20	0.076	ppb v/v			02/20/20 13:23	1
Naphthalene	ND		0.50	0.17	ppb v/v			02/20/20 13:23	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.5	0.54	ug/m3			02/20/20 13:23	1
Freon 22	ND		1.8	0.42	ug/m3			02/20/20 13:23	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.24	ug/m3			02/20/20 13:23	1
Chloromethane	ND		1.0	0.23	ug/m3			02/20/20 13:23	1
n-Butane	ND		1.2	0.26	ug/m3			02/20/20 13:23	1
Vinyl chloride	ND		0.15	0.11	ug/m3			02/20/20 13:23	1
1,3-Butadiene	ND		0.44	0.13	ug/m3			02/20/20 13:23	1
Bromomethane	ND		0.78	0.20	ug/m3			02/20/20 13:23	1
Chloroethane	ND		1.3	0.14	ug/m3			02/20/20 13:23	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.23	ug/m3			02/20/20 13:23	1
Trichlorofluoromethane	ND		1.1	0.34	ug/m3			02/20/20 13:23	1
Freon TF	ND		1.5	0.29	ug/m3			02/20/20 13:23	1
1,1-Dichloroethene	ND		0.79	0.15	ug/m3			02/20/20 13:23	1
Acetone	ND		12	2.9	ug/m3			02/20/20 13:23	1
Isopropyl alcohol	ND		12	1.2	ug/m3			02/20/20 13:23	1
Carbon disulfide	ND		1.6	0.23	ug/m3			02/20/20 13:23	1
3-Chloropropene	ND		1.6	0.20	ug/m3			02/20/20 13:23	1
Methylene Chloride	ND		1.7	0.94	ug/m3			02/20/20 13:23	1
tert-Butyl alcohol	ND		15	0.12	ug/m3			02/20/20 13:23	1
Methyl tert-butyl ether	ND		0.72	0.12	ug/m3			02/20/20 13:23	1
trans-1,2-Dichloroethene	ND		0.79	0.17	ug/m3			02/20/20 13:23	1

Eurofins TestAmerica, Burlington

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-152580/4
Matrix: Air
Analysis Batch: 152580

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Hexane	ND		0.70	0.70	ug/m3			02/20/20 13:23	1
1,1-Dichloroethane	ND		0.81	0.17	ug/m3			02/20/20 13:23	1
Methyl Ethyl Ketone	ND		1.5	0.21	ug/m3			02/20/20 13:23	1
cis-1,2-Dichloroethene	ND		0.79	0.18	ug/m3			02/20/20 13:23	1
1,2-Dichloroethene, Total	ND		1.6	0.17	ug/m3			02/20/20 13:23	1
Chloroform	ND		0.98	0.16	ug/m3			02/20/20 13:23	1
Tetrahydrofuran	ND		15	0.19	ug/m3			02/20/20 13:23	1
1,1,1-Trichloroethane	ND		1.1	0.20	ug/m3			02/20/20 13:23	1
Cyclohexane	ND		0.69	0.16	ug/m3			02/20/20 13:23	1
Carbon tetrachloride	ND		0.38	0.15	ug/m3			02/20/20 13:23	1
2,2,4-Trimethylpentane	ND		0.93	0.19	ug/m3			02/20/20 13:23	1
Benzene	ND		0.64	0.21	ug/m3			02/20/20 13:23	1
1,2-Dichloroethane	ND		0.81	0.13	ug/m3			02/20/20 13:23	1
n-Heptane	ND		0.82	0.23	ug/m3			02/20/20 13:23	1
Trichloroethene	ND		0.32	0.19	ug/m3			02/20/20 13:23	1
Methyl methacrylate	ND		2.0	0.14	ug/m3			02/20/20 13:23	1
1,2-Dichloropropane	ND		0.92	0.15	ug/m3			02/20/20 13:23	1
1,4-Dioxane	ND		18	0.30	ug/m3			02/20/20 13:23	1
Bromodichloromethane	ND		1.3	0.23	ug/m3			02/20/20 13:23	1
cis-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			02/20/20 13:23	1
methyl isobutyl ketone	ND		2.0	0.15	ug/m3			02/20/20 13:23	1
Toluene	ND		0.75	0.41	ug/m3			02/20/20 13:23	1
trans-1,3-Dichloropropene	ND		0.91	0.18	ug/m3			02/20/20 13:23	1
1,1,2-Trichloroethane	ND		1.1	0.20	ug/m3			02/20/20 13:23	1
Tetrachloroethene	ND		1.4	0.22	ug/m3			02/20/20 13:23	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.20	ug/m3			02/20/20 13:23	1
Dibromochloromethane	ND		1.7	0.31	ug/m3			02/20/20 13:23	1
1,2-Dibromoethane	ND		1.5	0.38	ug/m3			02/20/20 13:23	1
Chlorobenzene	ND		0.92	0.26	ug/m3			02/20/20 13:23	1
Ethylbenzene	ND		0.87	0.27	ug/m3			02/20/20 13:23	1
m,p-Xylene	ND		2.2	0.43	ug/m3			02/20/20 13:23	1
Xylene, o-	ND		0.87	0.21	ug/m3			02/20/20 13:23	1
Xylene (total)	ND		3.0	0.21	ug/m3			02/20/20 13:23	1
Styrene	ND		0.85	0.17	ug/m3			02/20/20 13:23	1
Bromoform	ND		2.1	0.50	ug/m3			02/20/20 13:23	1
Cumene	ND		0.98	0.17	ug/m3			02/20/20 13:23	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.29	ug/m3			02/20/20 13:23	1
n-Propylbenzene	ND		0.98	0.19	ug/m3			02/20/20 13:23	1
4-Ethyltoluene	ND		0.98	0.20	ug/m3			02/20/20 13:23	1
1,3,5-Trimethylbenzene	ND		0.98	0.19	ug/m3			02/20/20 13:23	1
2-Chlorotoluene	ND		1.0	0.22	ug/m3			02/20/20 13:23	1
tert-Butylbenzene	ND		1.1	0.19	ug/m3			02/20/20 13:23	1
1,2,4-Trimethylbenzene	ND		0.98	0.22	ug/m3			02/20/20 13:23	1
sec-Butylbenzene	ND		1.1	0.19	ug/m3			02/20/20 13:23	1
4-Isopropyltoluene	ND		1.1	0.21	ug/m3			02/20/20 13:23	1
1,3-Dichlorobenzene	ND		1.2	0.66	ug/m3			02/20/20 13:23	1
1,4-Dichlorobenzene	ND		1.2	0.72	ug/m3			02/20/20 13:23	1
Benzyl chloride	ND		1.0	0.44	ug/m3			02/20/20 13:23	1
n-Butylbenzene	ND		1.1	0.21	ug/m3			02/20/20 13:23	1

Eurofins TestAmerica, Burlington

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-152580/4
Matrix: Air
Analysis Batch: 152580

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.2	0.58	ug/m3			02/20/20 13:23	1
1,2,4-Trichlorobenzene	ND		3.7	1.6	ug/m3			02/20/20 13:23	1
Hexachlorobutadiene	ND		2.1	0.81	ug/m3			02/20/20 13:23	1
Naphthalene	ND		2.6	0.89	ug/m3			02/20/20 13:23	1

Lab Sample ID: LCS 200-152580/3
Matrix: Air
Analysis Batch: 152580

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	10.6	9.85		ppb v/v		93	61 - 142
Freon 22	10.6	10.6		ppb v/v		100	60 - 147
1,2-Dichlorotetrafluoroethane	10.6	10.1		ppb v/v		95	71 - 141
Chloromethane	9.94	10.9		ppb v/v		109	56 - 141
n-Butane	10.3	10.4		ppb v/v		101	53 - 151
Vinyl chloride	9.99	10.0		ppb v/v		101	61 - 135
1,3-Butadiene	9.70	10.1		ppb v/v		104	58 - 139
Bromomethane	10.4	10.0		ppb v/v		96	72 - 124
Chloroethane	10.6	10.5		ppb v/v		99	68 - 130
Bromoethene(Vinyl Bromide)	10.0	10.2		ppb v/v		101	75 - 125
Trichlorofluoromethane	10.4	10.5		ppb v/v		100	70 - 129
Freon TF	10.7	10.4		ppb v/v		97	70 - 121
1,1-Dichloroethene	10.2	10.1		ppb v/v		99	68 - 120
Acetone	10.4	10.4		ppb v/v		100	54 - 154
Isopropyl alcohol	10.2	10.3		ppb v/v		102	53 - 142
Carbon disulfide	10.4	10.2		ppb v/v		99	71 - 138
3-Chloropropene	10.7	10.4		ppb v/v		97	50 - 150
Methylene Chloride	10.2	10.3		ppb v/v		101	59 - 137
tert-Butyl alcohol	10.8	10.9		ppb v/v		101	66 - 132
Methyl tert-butyl ether	10.6	10.3		ppb v/v		98	70 - 127
trans-1,2-Dichloroethene	10.3	10.3		ppb v/v		99	69 - 137
n-Hexane	10.5	10.3		ppb v/v		99	63 - 138
1,1-Dichloroethane	10.3	9.80		ppb v/v		95	66 - 130
Methyl Ethyl Ketone	10.4	10.3		ppb v/v		100	72 - 124
cis-1,2-Dichloroethene	10.4	10.2		ppb v/v		98	72 - 121
Chloroform	10.3	10.1		ppb v/v		98	73 - 124
Tetrahydrofuran	9.81	9.86		ppb v/v		101	60 - 149
1,1,1-Trichloroethane	10.3	9.79		ppb v/v		95	72 - 127
Cyclohexane	10.2	9.73		ppb v/v		95	76 - 124
Carbon tetrachloride	10.0	9.99		ppb v/v		99	71 - 133
2,2,4-Trimethylpentane	10.1	10.0		ppb v/v		99	68 - 131
Benzene	10.4	9.80		ppb v/v		94	73 - 119
1,2-Dichloroethane	10.5	9.94		ppb v/v		95	68 - 135
n-Heptane	10.3	9.66		ppb v/v		94	60 - 142
Trichloroethene	10.3	10.2		ppb v/v		100	73 - 122
Methyl methacrylate	10.2	9.98		ppb v/v		98	73 - 129
1,2-Dichloropropane	10.3	10.2		ppb v/v		98	69 - 128
1,4-Dioxane	10.3	10.7		ppb v/v		104	66 - 129
Bromodichloromethane	10.3	10.3		ppb v/v		100	75 - 127

Eurofins TestAmerica, Burlington

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-152580/3

Matrix: Air

Analysis Batch: 152580

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,3-Dichloropropene	9.94	10.5		ppb v/v		105	74 - 125
methyl isobutyl ketone	10.2	9.59		ppb v/v		94	58 - 144
Toluene	10.2	9.84		ppb v/v		97	75 - 122
trans-1,3-Dichloropropene	9.85	9.87		ppb v/v		100	74 - 128
1,1,2-Trichloroethane	10.5	10.2		ppb v/v		97	75 - 126
Tetrachloroethene	10.5	10.1		ppb v/v		96	70 - 125
Methyl Butyl Ketone (2-Hexanone)	10.1	8.82		ppb v/v		87	57 - 143
Dibromochloromethane	10.6	9.40		ppb v/v		89	73 - 125
1,2-Dibromoethane	10.7	10.5		ppb v/v		98	78 - 122
Chlorobenzene	10.5	10.2		ppb v/v		97	76 - 119
Ethylbenzene	10.2	9.86		ppb v/v		96	74 - 122
m,p-Xylene	20.0	19.9		ppb v/v		100	76 - 121
Xylene, o-	10.4	10.1		ppb v/v		98	73 - 123
Styrene	10.3	10.3		ppb v/v		100	74 - 125
Bromoform	10.3	10.2		ppb v/v		99	53 - 149
Cumene	10.5	10.1		ppb v/v		96	73 - 123
1,1,2,2-Tetrachloroethane	10.3	10.1		ppb v/v		98	74 - 126
n-Propylbenzene	10.4	10.0		ppb v/v		97	73 - 127
4-Ethyltoluene	10.2	10.0		ppb v/v		98	75 - 129
1,3,5-Trimethylbenzene	10.5	10.1		ppb v/v		96	72 - 126
2-Chlorotoluene	10.4	9.97		ppb v/v		96	74 - 126
tert-Butylbenzene	10.4	9.88		ppb v/v		95	71 - 125
1,2,4-Trimethylbenzene	10.4	10.1		ppb v/v		97	71 - 129
sec-Butylbenzene	10.5	10.1		ppb v/v		97	70 - 128
4-Isopropyltoluene	10.5	9.92		ppb v/v		94	68 - 130
1,3-Dichlorobenzene	10.2	10.1		ppb v/v		99	69 - 131
1,4-Dichlorobenzene	10.4	10.1		ppb v/v		97	67 - 132
Benzyl chloride	10.2	10.9		ppb v/v		107	60 - 136
n-Butylbenzene	10.5	10.1		ppb v/v		96	65 - 137
1,2-Dichlorobenzene	10.8	9.95		ppb v/v		92	68 - 129
1,2,4-Trichlorobenzene	11.0	10.8		ppb v/v		98	50 - 150
Hexachlorobutadiene	10.8	10.2		ppb v/v		94	58 - 130
Naphthalene	10.5	9.63		ppb v/v		92	50 - 150
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	52	48.7		ug/m3		93	61 - 142
Freon 22	37	37.4		ug/m3		100	60 - 147
1,2-Dichlorotetrafluoroethane	74	70.6		ug/m3		95	71 - 141
Chloromethane	21	22.5		ug/m3		109	56 - 141
n-Butane	24	24.6		ug/m3		101	53 - 151
Vinyl chloride	26	25.7		ug/m3		101	61 - 135
1,3-Butadiene	21	22.2		ug/m3		104	58 - 139
Bromomethane	40	38.8		ug/m3		96	72 - 124
Chloroethane	28	27.7		ug/m3		99	68 - 130
Bromoethene(Vinyl Bromide)	44	44.5		ug/m3		101	75 - 125
Trichlorofluoromethane	58	58.7		ug/m3		100	70 - 129
Freon TF	82	79.4		ug/m3		97	70 - 121
1,1-Dichloroethene	40	39.8		ug/m3		99	68 - 120

Eurofins TestAmerica, Burlington

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-152580/3

Matrix: Air

Analysis Batch: 152580

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	25	24.8		ug/m3		100	54 - 154
Isopropyl alcohol	25	25.4		ug/m3		102	53 - 142
Carbon disulfide	32	31.9		ug/m3		99	71 - 138
3-Chloropropene	34	32.5		ug/m3		97	50 - 150
Methylene Chloride	36	35.9		ug/m3		101	59 - 137
tert-Butyl alcohol	33	33.0		ug/m3		101	66 - 132
Methyl tert-butyl ether	38	37.3		ug/m3		98	70 - 127
trans-1,2-Dichloroethene	41	40.7		ug/m3		99	69 - 137
n-Hexane	37	36.5		ug/m3		99	63 - 138
1,1-Dichloroethane	42	39.7		ug/m3		95	66 - 130
Methyl Ethyl Ketone	31	30.5		ug/m3		100	72 - 124
cis-1,2-Dichloroethene	41	40.4		ug/m3		98	72 - 121
Chloroform	50	49.3		ug/m3		98	73 - 124
Tetrahydrofuran	29	29.1		ug/m3		101	60 - 149
1,1,1-Trichloroethane	56	53.4		ug/m3		95	72 - 127
Cyclohexane	35	33.5		ug/m3		95	76 - 124
Carbon tetrachloride	63	62.8		ug/m3		99	71 - 133
2,2,4-Trimethylpentane	47	46.9		ug/m3		99	68 - 131
Benzene	33	31.3		ug/m3		94	73 - 119
1,2-Dichloroethane	42	40.2		ug/m3		95	68 - 135
n-Heptane	42	39.6		ug/m3		94	60 - 142
Trichloroethene	55	55.1		ug/m3		100	73 - 122
Methyl methacrylate	42	40.9		ug/m3		98	73 - 129
1,2-Dichloropropane	48	47.0		ug/m3		98	69 - 128
1,4-Dioxane	37	38.7		ug/m3		104	66 - 129
Bromodichloromethane	69	69.3		ug/m3		100	75 - 127
cis-1,3-Dichloropropene	45	47.6		ug/m3		105	74 - 125
methyl isobutyl ketone	42	39.3		ug/m3		94	58 - 144
Toluene	38	37.1		ug/m3		97	75 - 122
trans-1,3-Dichloropropene	45	44.8		ug/m3		100	74 - 128
1,1,2-Trichloroethane	57	55.6		ug/m3		97	75 - 126
Tetrachloroethene	71	68.2		ug/m3		96	70 - 125
Methyl Butyl Ketone (2-Hexanone)	41	36.1		ug/m3		87	57 - 143
Dibromochloromethane	90	80.1		ug/m3		89	73 - 125
1,2-Dibromoethane	82	80.4		ug/m3		98	78 - 122
Chlorobenzene	48	46.9		ug/m3		97	76 - 119
Ethylbenzene	44	42.8		ug/m3		96	74 - 122
m,p-Xylene	87	86.5		ug/m3		100	76 - 121
Xylene, o-	45	44.0		ug/m3		98	73 - 123
Styrene	44	43.9		ug/m3		100	74 - 125
Bromoform	110	106		ug/m3		99	53 - 149
Cumene	51	49.5		ug/m3		96	73 - 123
1,1,2,2-Tetrachloroethane	71	69.3		ug/m3		98	74 - 126
n-Propylbenzene	51	49.2		ug/m3		97	73 - 127
4-Ethyltoluene	50	49.3		ug/m3		98	75 - 129
1,3,5-Trimethylbenzene	52	49.6		ug/m3		96	72 - 126
2-Chlorotoluene	54	51.6		ug/m3		96	74 - 126
tert-Butylbenzene	57	54.2		ug/m3		95	71 - 125

Eurofins TestAmerica, Burlington

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-152580/3
Matrix: Air
Analysis Batch: 152580

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	51	49.9		ug/m3		97	71 - 129
sec-Butylbenzene	57	55.6		ug/m3		97	70 - 128
4-Isopropyltoluene	58	54.4		ug/m3		94	68 - 130
1,3-Dichlorobenzene	61	60.6		ug/m3		99	69 - 131
1,4-Dichlorobenzene	63	60.6		ug/m3		97	67 - 132
Benzyl chloride	53	56.2		ug/m3		107	60 - 136
n-Butylbenzene	58	55.3		ug/m3		96	65 - 137
1,2-Dichlorobenzene	65	59.8		ug/m3		92	68 - 129
1,2,4-Trichlorobenzene	81	79.9		ug/m3		98	50 - 150
Hexachlorobutadiene	120	109		ug/m3		94	58 - 130
Naphthalene	55	50.5		ug/m3		92	50 - 150

Lab Sample ID: MB 200-152597/4
Matrix: Air
Analysis Batch: 152597

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.11	ppb v/v			02/21/20 09:50	1
Freon 22	ND		0.50	0.12	ppb v/v			02/21/20 09:50	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.035	ppb v/v			02/21/20 09:50	1
Chloromethane	ND		0.50	0.11	ppb v/v			02/21/20 09:50	1
n-Butane	ND		0.50	0.11	ppb v/v			02/21/20 09:50	1
Vinyl chloride	ND		0.060	0.044	ppb v/v			02/21/20 09:50	1
1,3-Butadiene	ND		0.20	0.057	ppb v/v			02/21/20 09:50	1
Bromomethane	ND		0.20	0.051	ppb v/v			02/21/20 09:50	1
Chloroethane	ND		0.50	0.054	ppb v/v			02/21/20 09:50	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.052	ppb v/v			02/21/20 09:50	1
Trichlorofluoromethane	ND		0.20	0.060	ppb v/v			02/21/20 09:50	1
Freon TF	ND		0.20	0.038	ppb v/v			02/21/20 09:50	1
1,1-Dichloroethene	ND		0.20	0.039	ppb v/v			02/21/20 09:50	1
Acetone	ND		5.0	1.2	ppb v/v			02/21/20 09:50	1
Isopropyl alcohol	ND		5.0	0.48	ppb v/v			02/21/20 09:50	1
Carbon disulfide	ND		0.50	0.074	ppb v/v			02/21/20 09:50	1
3-Chloropropene	ND		0.50	0.064	ppb v/v			02/21/20 09:50	1
Methylene Chloride	ND		0.50	0.27	ppb v/v			02/21/20 09:50	1
tert-Butyl alcohol	ND		5.0	0.038	ppb v/v			02/21/20 09:50	1
Methyl tert-butyl ether	ND		0.20	0.033	ppb v/v			02/21/20 09:50	1
trans-1,2-Dichloroethene	ND		0.20	0.042	ppb v/v			02/21/20 09:50	1
n-Hexane	ND		0.20	0.20	ppb v/v			02/21/20 09:50	1
1,1-Dichloroethane	ND		0.20	0.041	ppb v/v			02/21/20 09:50	1
Methyl Ethyl Ketone	ND		0.50	0.072	ppb v/v			02/21/20 09:50	1
cis-1,2-Dichloroethene	ND		0.20	0.045	ppb v/v			02/21/20 09:50	1
1,2-Dichloroethene, Total	ND		0.40	0.042	ppb v/v			02/21/20 09:50	1
Chloroform	ND		0.20	0.032	ppb v/v			02/21/20 09:50	1
Tetrahydrofuran	ND		5.0	0.066	ppb v/v			02/21/20 09:50	1
1,1,1-Trichloroethane	ND		0.20	0.036	ppb v/v			02/21/20 09:50	1
Cyclohexane	ND		0.20	0.046	ppb v/v			02/21/20 09:50	1
Carbon tetrachloride	ND		0.060	0.024	ppb v/v			02/21/20 09:50	1
2,2,4-Trimethylpentane	ND		0.20	0.041	ppb v/v			02/21/20 09:50	1

Eurofins TestAmerica, Burlington

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-152597/4

Matrix: Air

Analysis Batch: 152597

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.067	ppb v/v			02/21/20 09:50	1
1,2-Dichloroethane	ND		0.20	0.032	ppb v/v			02/21/20 09:50	1
n-Heptane	ND		0.20	0.056	ppb v/v			02/21/20 09:50	1
Trichloroethene	ND		0.060	0.035	ppb v/v			02/21/20 09:50	1
Methyl methacrylate	ND		0.50	0.033	ppb v/v			02/21/20 09:50	1
1,2-Dichloropropane	ND		0.20	0.033	ppb v/v			02/21/20 09:50	1
1,4-Dioxane	0.252	J	5.0	0.084	ppb v/v			02/21/20 09:50	1
Bromodichloromethane	ND		0.20	0.035	ppb v/v			02/21/20 09:50	1
cis-1,3-Dichloropropene	ND		0.20	0.032	ppb v/v			02/21/20 09:50	1
methyl isobutyl ketone	ND		0.50	0.036	ppb v/v			02/21/20 09:50	1
Toluene	ND		0.20	0.11	ppb v/v			02/21/20 09:50	1
trans-1,3-Dichloropropene	ND		0.20	0.039	ppb v/v			02/21/20 09:50	1
1,1,2-Trichloroethane	ND		0.20	0.036	ppb v/v			02/21/20 09:50	1
Tetrachloroethene	ND		0.20	0.033	ppb v/v			02/21/20 09:50	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.048	ppb v/v			02/21/20 09:50	1
Dibromochloromethane	ND		0.20	0.036	ppb v/v			02/21/20 09:50	1
1,2-Dibromoethane	ND		0.20	0.049	ppb v/v			02/21/20 09:50	1
Chlorobenzene	ND		0.20	0.056	ppb v/v			02/21/20 09:50	1
Ethylbenzene	ND		0.20	0.063	ppb v/v			02/21/20 09:50	1
m,p-Xylene	ND		0.50	0.10	ppb v/v			02/21/20 09:50	1
Xylene, o-	ND		0.20	0.048	ppb v/v			02/21/20 09:50	1
Xylene (total)	ND		0.70	0.048	ppb v/v			02/21/20 09:50	1
Styrene	ND		0.20	0.040	ppb v/v			02/21/20 09:50	1
Bromoform	ND		0.20	0.048	ppb v/v			02/21/20 09:50	1
Cumene	ND		0.20	0.035	ppb v/v			02/21/20 09:50	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.042	ppb v/v			02/21/20 09:50	1
n-Propylbenzene	ND		0.20	0.039	ppb v/v			02/21/20 09:50	1
4-Ethyltoluene	ND		0.20	0.041	ppb v/v			02/21/20 09:50	1
1,3,5-Trimethylbenzene	ND		0.20	0.039	ppb v/v			02/21/20 09:50	1
2-Chlorotoluene	ND		0.20	0.042	ppb v/v			02/21/20 09:50	1
tert-Butylbenzene	ND		0.20	0.035	ppb v/v			02/21/20 09:50	1
1,2,4-Trimethylbenzene	ND		0.20	0.044	ppb v/v			02/21/20 09:50	1
sec-Butylbenzene	ND		0.20	0.035	ppb v/v			02/21/20 09:50	1
4-Isopropyltoluene	ND		0.20	0.039	ppb v/v			02/21/20 09:50	1
1,3-Dichlorobenzene	ND		0.20	0.11	ppb v/v			02/21/20 09:50	1
1,4-Dichlorobenzene	ND		0.20	0.12	ppb v/v			02/21/20 09:50	1
Benzyl chloride	ND		0.20	0.085	ppb v/v			02/21/20 09:50	1
n-Butylbenzene	ND		0.20	0.039	ppb v/v			02/21/20 09:50	1
1,2-Dichlorobenzene	ND		0.20	0.097	ppb v/v			02/21/20 09:50	1
1,2,4-Trichlorobenzene	ND		0.50	0.22	ppb v/v			02/21/20 09:50	1
Hexachlorobutadiene	ND		0.20	0.076	ppb v/v			02/21/20 09:50	1
Naphthalene	ND		0.50	0.17	ppb v/v			02/21/20 09:50	1
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.5	0.54	ug/m3			02/21/20 09:50	1
Freon 22	ND		1.8	0.42	ug/m3			02/21/20 09:50	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.24	ug/m3			02/21/20 09:50	1
Chloromethane	ND		1.0	0.23	ug/m3			02/21/20 09:50	1
n-Butane	ND		1.2	0.26	ug/m3			02/21/20 09:50	1

Eurofins TestAmerica, Burlington

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-152597/4
Matrix: Air
Analysis Batch: 152597

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.15	0.11	ug/m3			02/21/20 09:50	1
1,3-Butadiene	ND		0.44	0.13	ug/m3			02/21/20 09:50	1
Bromomethane	ND		0.78	0.20	ug/m3			02/21/20 09:50	1
Chloroethane	ND		1.3	0.14	ug/m3			02/21/20 09:50	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.23	ug/m3			02/21/20 09:50	1
Trichlorofluoromethane	ND		1.1	0.34	ug/m3			02/21/20 09:50	1
Freon TF	ND		1.5	0.29	ug/m3			02/21/20 09:50	1
1,1-Dichloroethene	ND		0.79	0.15	ug/m3			02/21/20 09:50	1
Acetone	ND		12	2.9	ug/m3			02/21/20 09:50	1
Isopropyl alcohol	ND		12	1.2	ug/m3			02/21/20 09:50	1
Carbon disulfide	ND		1.6	0.23	ug/m3			02/21/20 09:50	1
3-Chloropropene	ND		1.6	0.20	ug/m3			02/21/20 09:50	1
Methylene Chloride	ND		1.7	0.94	ug/m3			02/21/20 09:50	1
tert-Butyl alcohol	ND		15	0.12	ug/m3			02/21/20 09:50	1
Methyl tert-butyl ether	ND		0.72	0.12	ug/m3			02/21/20 09:50	1
trans-1,2-Dichloroethene	ND		0.79	0.17	ug/m3			02/21/20 09:50	1
n-Hexane	ND		0.70	0.70	ug/m3			02/21/20 09:50	1
1,1-Dichloroethane	ND		0.81	0.17	ug/m3			02/21/20 09:50	1
Methyl Ethyl Ketone	ND		1.5	0.21	ug/m3			02/21/20 09:50	1
cis-1,2-Dichloroethene	ND		0.79	0.18	ug/m3			02/21/20 09:50	1
1,2-Dichloroethene, Total	ND		1.6	0.17	ug/m3			02/21/20 09:50	1
Chloroform	ND		0.98	0.16	ug/m3			02/21/20 09:50	1
Tetrahydrofuran	ND		15	0.19	ug/m3			02/21/20 09:50	1
1,1,1-Trichloroethane	ND		1.1	0.20	ug/m3			02/21/20 09:50	1
Cyclohexane	ND		0.69	0.16	ug/m3			02/21/20 09:50	1
Carbon tetrachloride	ND		0.38	0.15	ug/m3			02/21/20 09:50	1
2,2,4-Trimethylpentane	ND		0.93	0.19	ug/m3			02/21/20 09:50	1
Benzene	ND		0.64	0.21	ug/m3			02/21/20 09:50	1
1,2-Dichloroethane	ND		0.81	0.13	ug/m3			02/21/20 09:50	1
n-Heptane	ND		0.82	0.23	ug/m3			02/21/20 09:50	1
Trichloroethene	ND		0.32	0.19	ug/m3			02/21/20 09:50	1
Methyl methacrylate	ND		2.0	0.14	ug/m3			02/21/20 09:50	1
1,2-Dichloropropane	ND		0.92	0.15	ug/m3			02/21/20 09:50	1
1,4-Dioxane	0.909	J	18	0.30	ug/m3			02/21/20 09:50	1
Bromodichloromethane	ND		1.3	0.23	ug/m3			02/21/20 09:50	1
cis-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			02/21/20 09:50	1
methyl isobutyl ketone	ND		2.0	0.15	ug/m3			02/21/20 09:50	1
Toluene	ND		0.75	0.41	ug/m3			02/21/20 09:50	1
trans-1,3-Dichloropropene	ND		0.91	0.18	ug/m3			02/21/20 09:50	1
1,1,2-Trichloroethane	ND		1.1	0.20	ug/m3			02/21/20 09:50	1
Tetrachloroethene	ND		1.4	0.22	ug/m3			02/21/20 09:50	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.20	ug/m3			02/21/20 09:50	1
Dibromochloromethane	ND		1.7	0.31	ug/m3			02/21/20 09:50	1
1,2-Dibromoethane	ND		1.5	0.38	ug/m3			02/21/20 09:50	1
Chlorobenzene	ND		0.92	0.26	ug/m3			02/21/20 09:50	1
Ethylbenzene	ND		0.87	0.27	ug/m3			02/21/20 09:50	1
m,p-Xylene	ND		2.2	0.43	ug/m3			02/21/20 09:50	1
Xylene, o-	ND		0.87	0.21	ug/m3			02/21/20 09:50	1
Xylene (total)	ND		3.0	0.21	ug/m3			02/21/20 09:50	1

Eurofins TestAmerica, Burlington

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-152597/4

Matrix: Air

Analysis Batch: 152597

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.85	0.17	ug/m3			02/21/20 09:50	1
Bromoform	ND		2.1	0.50	ug/m3			02/21/20 09:50	1
Cumene	ND		0.98	0.17	ug/m3			02/21/20 09:50	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.29	ug/m3			02/21/20 09:50	1
n-Propylbenzene	ND		0.98	0.19	ug/m3			02/21/20 09:50	1
4-Ethyltoluene	ND		0.98	0.20	ug/m3			02/21/20 09:50	1
1,3,5-Trimethylbenzene	ND		0.98	0.19	ug/m3			02/21/20 09:50	1
2-Chlorotoluene	ND		1.0	0.22	ug/m3			02/21/20 09:50	1
tert-Butylbenzene	ND		1.1	0.19	ug/m3			02/21/20 09:50	1
1,2,4-Trimethylbenzene	ND		0.98	0.22	ug/m3			02/21/20 09:50	1
sec-Butylbenzene	ND		1.1	0.19	ug/m3			02/21/20 09:50	1
4-Isopropyltoluene	ND		1.1	0.21	ug/m3			02/21/20 09:50	1
1,3-Dichlorobenzene	ND		1.2	0.66	ug/m3			02/21/20 09:50	1
1,4-Dichlorobenzene	ND		1.2	0.72	ug/m3			02/21/20 09:50	1
Benzyl chloride	ND		1.0	0.44	ug/m3			02/21/20 09:50	1
n-Butylbenzene	ND		1.1	0.21	ug/m3			02/21/20 09:50	1
1,2-Dichlorobenzene	ND		1.2	0.58	ug/m3			02/21/20 09:50	1
1,2,4-Trichlorobenzene	ND		3.7	1.6	ug/m3			02/21/20 09:50	1
Hexachlorobutadiene	ND		2.1	0.81	ug/m3			02/21/20 09:50	1
Naphthalene	ND		2.6	0.89	ug/m3			02/21/20 09:50	1

Lab Sample ID: LCS 200-152597/3

Matrix: Air

Analysis Batch: 152597

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	10.6	12.6		ppb v/v		119	61 - 142
Freon 22	10.6	13.1		ppb v/v		124	60 - 147
1,2-Dichlorotetrafluoroethane	10.6	11.9		ppb v/v		113	71 - 141
Chloromethane	9.94	11.7		ppb v/v		118	56 - 141
n-Butane	10.3	8.37		ppb v/v		81	53 - 151
Vinyl chloride	9.99	8.74		ppb v/v		87	61 - 135
1,3-Butadiene	9.70	8.95		ppb v/v		92	58 - 139
Bromomethane	10.4	9.40		ppb v/v		90	72 - 124
Chloroethane	10.6	9.91		ppb v/v		94	68 - 130
Bromoethene(Vinyl Bromide)	10.0	9.47		ppb v/v		94	75 - 125
Trichlorofluoromethane	10.4	10.4		ppb v/v		100	70 - 129
Freon TF	10.7	9.21		ppb v/v		86	70 - 121
1,1-Dichloroethene	10.2	8.35		ppb v/v		82	68 - 120
Acetone	10.4	8.36		ppb v/v		80	54 - 154
Isopropyl alcohol	10.2	10.7		ppb v/v		105	53 - 142
Carbon disulfide	10.4	8.49		ppb v/v		82	71 - 138
3-Chloropropene	10.7	7.05		ppb v/v		66	50 - 150
Methylene Chloride	10.2	10.3		ppb v/v		101	59 - 137
tert-Butyl alcohol	10.8	11.0		ppb v/v		102	66 - 132
Methyl tert-butyl ether	10.6	10.2		ppb v/v		97	70 - 127
trans-1,2-Dichloroethene	10.3	9.79		ppb v/v		95	69 - 137
n-Hexane	10.5	9.44		ppb v/v		90	63 - 138
1,1-Dichloroethane	10.3	9.56		ppb v/v		93	66 - 130

Eurofins TestAmerica, Burlington

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-152597/3

Matrix: Air

Analysis Batch: 152597

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl Ethyl Ketone	10.4	9.37		ppb v/v		91	72 - 124
cis-1,2-Dichloroethene	10.4	9.17		ppb v/v		88	72 - 121
Chloroform	10.3	9.83		ppb v/v		95	73 - 124
Tetrahydrofuran	9.81	10.1		ppb v/v		103	60 - 149
1,1,1-Trichloroethane	10.3	10.2		ppb v/v		99	72 - 127
Cyclohexane	10.2	9.44		ppb v/v		92	76 - 124
Carbon tetrachloride	10.0	10.5		ppb v/v		105	71 - 133
2,2,4-Trimethylpentane	10.1	9.81		ppb v/v		97	68 - 131
Benzene	10.4	9.51		ppb v/v		92	73 - 119
1,2-Dichloroethane	10.5	10.6		ppb v/v		101	68 - 135
n-Heptane	10.3	10.0		ppb v/v		97	60 - 142
Trichloroethene	10.3	9.76		ppb v/v		95	73 - 122
Methyl methacrylate	10.2	9.79		ppb v/v		96	73 - 129
1,2-Dichloropropane	10.3	9.69		ppb v/v		94	69 - 128
1,4-Dioxane	10.3	11.0		ppb v/v		107	66 - 129
Bromodichloromethane	10.3	10.7		ppb v/v		104	75 - 127
cis-1,3-Dichloropropene	9.94	10.6		ppb v/v		107	74 - 125
methyl isobutyl ketone	10.2	9.89		ppb v/v		97	58 - 144
Toluene	10.2	9.23		ppb v/v		91	75 - 122
trans-1,3-Dichloropropene	9.85	9.91		ppb v/v		101	74 - 128
1,1,2-Trichloroethane	10.5	9.23		ppb v/v		88	75 - 126
Tetrachloroethene	10.5	8.90		ppb v/v		85	70 - 125
Methyl Butyl Ketone (2-Hexanone)	10.1	9.20		ppb v/v		91	57 - 143
Dibromochloromethane	10.6	10.4		ppb v/v		98	73 - 125
1,2-Dibromoethane	10.7	10.1		ppb v/v		95	78 - 122
Chlorobenzene	10.5	9.26		ppb v/v		88	76 - 119
Ethylbenzene	10.2	9.55		ppb v/v		93	74 - 122
m,p-Xylene	20.0	18.9		ppb v/v		94	76 - 121
Xylene, o-	10.4	9.20		ppb v/v		89	73 - 123
Styrene	10.3	10.1		ppb v/v		98	74 - 125
Bromoform	10.3	10.2		ppb v/v		99	53 - 149
Cumene	10.5	9.71		ppb v/v		93	73 - 123
1,1,2,2-Tetrachloroethane	10.3	9.41		ppb v/v		91	74 - 126
n-Propylbenzene	10.4	9.93		ppb v/v		96	73 - 127
4-Ethyltoluene	10.2	10.3		ppb v/v		100	75 - 129
1,3,5-Trimethylbenzene	10.5	9.84		ppb v/v		94	72 - 126
2-Chlorotoluene	10.4	10.3		ppb v/v		98	74 - 126
tert-Butylbenzene	10.4	9.81		ppb v/v		94	71 - 125
1,2,4-Trimethylbenzene	10.4	10.2		ppb v/v		97	71 - 129
sec-Butylbenzene	10.5	10.0		ppb v/v		96	70 - 128
4-Isopropyltoluene	10.5	10.4		ppb v/v		99	68 - 130
1,3-Dichlorobenzene	10.2	9.87		ppb v/v		97	69 - 131
1,4-Dichlorobenzene	10.4	9.96		ppb v/v		96	67 - 132
Benzyl chloride	10.2	11.2		ppb v/v		110	60 - 136
n-Butylbenzene	10.5	11.3		ppb v/v		107	65 - 137
1,2-Dichlorobenzene	10.8	10.5		ppb v/v		97	68 - 129
1,2,4-Trichlorobenzene	11.0	12.9		ppb v/v		118	50 - 150
Hexachlorobutadiene	10.8	12.4		ppb v/v		114	58 - 130

Eurofins TestAmerica, Burlington

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-152597/3

Matrix: Air

Analysis Batch: 152597

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	10.5	12.9		ppb v/v		123	50 - 150
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	52	62.1		ug/m3		119	61 - 142
Freon 22	37	46.2		ug/m3		124	60 - 147
1,2-Dichlorotetrafluoroethane	74	83.3		ug/m3		113	71 - 141
Chloromethane	21	24.2		ug/m3		118	56 - 141
n-Butane	24	19.9		ug/m3		81	53 - 151
Vinyl chloride	26	22.3		ug/m3		87	61 - 135
1,3-Butadiene	21	19.8		ug/m3		92	58 - 139
Bromomethane	40	36.5		ug/m3		90	72 - 124
Chloroethane	28	26.2		ug/m3		94	68 - 130
Bromoethene(Vinyl Bromide)	44	41.4		ug/m3		94	75 - 125
Trichlorofluoromethane	58	58.4		ug/m3		100	70 - 129
Freon TF	82	70.6		ug/m3		86	70 - 121
1,1-Dichloroethene	40	33.1		ug/m3		82	68 - 120
Acetone	25	19.9		ug/m3		80	54 - 154
Isopropyl alcohol	25	26.3		ug/m3		105	53 - 142
Carbon disulfide	32	26.4		ug/m3		82	71 - 138
3-Chloropropene	34	22.1		ug/m3		66	50 - 150
Methylene Chloride	36	35.9		ug/m3		101	59 - 137
tert-Butyl alcohol	33	33.5		ug/m3		102	66 - 132
Methyl tert-butyl ether	38	36.9		ug/m3		97	70 - 127
trans-1,2-Dichloroethene	41	38.8		ug/m3		95	69 - 137
n-Hexane	37	33.3		ug/m3		90	63 - 138
1,1-Dichloroethane	42	38.7		ug/m3		93	66 - 130
Methyl Ethyl Ketone	31	27.6		ug/m3		91	72 - 124
cis-1,2-Dichloroethene	41	36.3		ug/m3		88	72 - 121
Chloroform	50	48.0		ug/m3		95	73 - 124
Tetrahydrofuran	29	29.7		ug/m3		103	60 - 149
1,1,1-Trichloroethane	56	55.6		ug/m3		99	72 - 127
Cyclohexane	35	32.5		ug/m3		92	76 - 124
Carbon tetrachloride	63	66.3		ug/m3		105	71 - 133
2,2,4-Trimethylpentane	47	45.8		ug/m3		97	68 - 131
Benzene	33	30.4		ug/m3		92	73 - 119
1,2-Dichloroethane	42	42.9		ug/m3		101	68 - 135
n-Heptane	42	41.2		ug/m3		97	60 - 142
Trichloroethene	55	52.4		ug/m3		95	73 - 122
Methyl methacrylate	42	40.1		ug/m3		96	73 - 129
1,2-Dichloropropane	48	44.8		ug/m3		94	69 - 128
1,4-Dioxane	37	39.8		ug/m3		107	66 - 129
Bromodichloromethane	69	71.5		ug/m3		104	75 - 127
cis-1,3-Dichloropropene	45	48.3		ug/m3		107	74 - 125
methyl isobutyl ketone	42	40.5		ug/m3		97	58 - 144
Toluene	38	34.8		ug/m3		91	75 - 122
trans-1,3-Dichloropropene	45	45.0		ug/m3		101	74 - 128
1,1,2-Trichloroethane	57	50.4		ug/m3		88	75 - 126
Tetrachloroethene	71	60.3		ug/m3		85	70 - 125

Eurofins TestAmerica, Burlington

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-152597/3

Matrix: Air

Analysis Batch: 152597

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl Butyl Ketone (2-Hexanone)	41	37.7		ug/m3		91	57 - 143
Dibromochloromethane	90	88.6		ug/m3		98	73 - 125
1,2-Dibromoethane	82	77.6		ug/m3		95	78 - 122
Chlorobenzene	48	42.6		ug/m3		88	76 - 119
Ethylbenzene	44	41.5		ug/m3		93	74 - 122
m,p-Xylene	87	82.0		ug/m3		94	76 - 121
Xylene, o-	45	39.9		ug/m3		89	73 - 123
Styrene	44	43.0		ug/m3		98	74 - 125
Bromoform	110	105		ug/m3		99	53 - 149
Cumene	51	47.7		ug/m3		93	73 - 123
1,1,2,2-Tetrachloroethane	71	64.6		ug/m3		91	74 - 126
n-Propylbenzene	51	48.8		ug/m3		96	73 - 127
4-Ethyltoluene	50	50.4		ug/m3		100	75 - 129
1,3,5-Trimethylbenzene	52	48.4		ug/m3		94	72 - 126
2-Chlorotoluene	54	53.1		ug/m3		98	74 - 126
tert-Butylbenzene	57	53.8		ug/m3		94	71 - 125
1,2,4-Trimethylbenzene	51	50.0		ug/m3		97	71 - 129
sec-Butylbenzene	57	54.9		ug/m3		96	70 - 128
4-Isopropyltoluene	58	57.2		ug/m3		99	68 - 130
1,3-Dichlorobenzene	61	59.3		ug/m3		97	69 - 131
1,4-Dichlorobenzene	63	59.9		ug/m3		96	67 - 132
Benzyl chloride	53	57.7		ug/m3		110	60 - 136
n-Butylbenzene	58	61.9		ug/m3		107	65 - 137
1,2-Dichlorobenzene	65	63.1		ug/m3		97	68 - 129
1,2,4-Trichlorobenzene	81	96.0		ug/m3		118	50 - 150
Hexachlorobutadiene	120	132		ug/m3		114	58 - 130
Naphthalene	55	67.5		ug/m3		123	50 - 150

Definitions/Glossary

Client: CDM Smith, Inc.

Job ID: 200-52685-1

Project/Site: Lubricant Packaging Corp Middletown NY

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Air - GC/MS VOA

Analysis Batch: 152580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-52685-1	SS-SV-04-021420	Total/NA	Air	TO-15	
200-52685-1 - DL	SS-SV-04-021420	Total/NA	Air	TO-15	
200-52685-2	IA-04-021420	Total/NA	Air	TO-15	
200-52685-3	SS-SV-06-021420	Total/NA	Air	TO-15	
200-52685-4	IA-06-021420	Total/NA	Air	TO-15	
200-52685-6	IA-05-021420	Total/NA	Air	TO-15	
MB 200-152580/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-152580/3	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 152597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-52685-5	SS-SV-05-021420	Total/NA	Air	TO-15	
200-52685-5 - DL	SS-SV-05-021420	Total/NA	Air	TO-15	
200-52685-6 - DL	IA-05-021420	Total/NA	Air	TO-15	
200-52685-7	SV-DUP-021420	Total/NA	Air	TO-15	
200-52685-7 - DL	SV-DUP-021420	Total/NA	Air	TO-15	
200-52685-8	SS-SV-07-021420	Total/NA	Air	TO-15	
200-52685-9	IA-07-021420	Total/NA	Air	TO-15	
200-52685-10	AA-03-021420	Total/NA	Air	TO-15	
MB 200-152597/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-152597/3	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SS-SV-04-021420

Lab Sample ID: 200-52685-1

Date Collected: 02/14/20 11:30

Matrix: Air

Date Received: 02/18/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	152580	02/21/20 01:53	A1B	TAL BUR
Total/NA	Analysis	TO-15	DL	2.99	152580	02/21/20 02:46	A1B	TAL BUR

Client Sample ID: IA-04-021420

Lab Sample ID: 200-52685-2

Date Collected: 02/14/20 11:35

Matrix: Air

Date Received: 02/18/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	152580	02/20/20 23:13	A1B	TAL BUR

Client Sample ID: SS-SV-06-021420

Lab Sample ID: 200-52685-3

Date Collected: 02/14/20 10:45

Matrix: Air

Date Received: 02/18/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	152580	02/21/20 03:40	A1B	TAL BUR

Client Sample ID: IA-06-021420

Lab Sample ID: 200-52685-4

Date Collected: 02/14/20 10:50

Matrix: Air

Date Received: 02/18/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	152580	02/21/20 04:34	A1B	TAL BUR

Client Sample ID: SS-SV-05-021420

Lab Sample ID: 200-52685-5

Date Collected: 02/14/20 11:00

Matrix: Air

Date Received: 02/18/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	152597	02/21/20 12:19	K1P	TAL BUR
Total/NA	Analysis	TO-15	DL	20	152597	02/21/20 13:09	K1P	TAL BUR

Client Sample ID: IA-05-021420

Lab Sample ID: 200-52685-6

Date Collected: 02/14/20 11:10

Matrix: Air

Date Received: 02/18/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	152580	02/21/20 05:27	A1B	TAL BUR
Total/NA	Analysis	TO-15	DL	371	152597	02/21/20 16:29	K1P	TAL BUR

Client Sample ID: SV-DUP-021420

Lab Sample ID: 200-52685-7

Date Collected: 02/14/20 11:05

Matrix: Air

Date Received: 02/18/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	152597	02/21/20 14:49	K1P	TAL BUR

Eurofins TestAmerica, Burlington

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: Lubricant Packaging Corp Middletown NY

Job ID: 200-52685-1

Client Sample ID: SV-DUP-021420

Lab Sample ID: 200-52685-7

Date Collected: 02/14/20 11:05

Matrix: Air

Date Received: 02/18/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15	DL	20	152597	02/21/20 15:39	K1P	TAL BUR

Client Sample ID: SS-SV-07-021420

Lab Sample ID: 200-52685-8

Date Collected: 02/14/20 10:10

Matrix: Air

Date Received: 02/18/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	152597	02/21/20 13:59	K1P	TAL BUR

Client Sample ID: IA-07-021420

Lab Sample ID: 200-52685-9

Date Collected: 02/14/20 10:35

Matrix: Air

Date Received: 02/18/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	152597	02/21/20 10:40	K1P	TAL BUR

Client Sample ID: AA-03-021420

Lab Sample ID: 200-52685-10

Date Collected: 02/14/20 09:50

Matrix: Air

Date Received: 02/18/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	152597	02/21/20 11:29	K1P	TAL BUR

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: CDM Smith, Inc.

Job ID: 200-52685-1

Project/Site: Lubricant Packaging Corp Middletown NY

Laboratory: Eurofins TestAmerica, Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-23 *
Connecticut	State	PH-0751	09-30-19 *
Connecticut	State	PH-0751	09-30-21
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	05-15-20
Florida	NELAP	E87467	06-30-20
Minnesota	NELAP	050-999-436	12-31-20
New Hampshire	NELAP	2006	12-18-20
New Jersey	NELAP	VT972	06-30-20
New York	NELAP	10391	03-31-20
Pennsylvania	NELAP	68-00489	04-30-20
Rhode Island	State	LAO00298	12-30-20
US Fish & Wildlife	US Federal Programs	058448	07-31-20
USDA	US Federal Programs	P330-17-00272	08-09-20
Vermont	State	VT4000	12-31-20
Virginia	NELAP	460209	12-14-20

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-20 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins TestAmerica, Burlington

Method T015

Volatile Organic Compounds (GC/MS)
by Method T015

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.: _____
Matrix: Air Level: Low Lab File ID: 40108-03.D
Lab ID: LCS 200-152580/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.6	9.85	93	61-142	
Freon 22	10.6	10.6	100	60-147	
1,2-Dichlorotetrafluoroethane	10.6	10.1	95	71-141	
Chloromethane	9.94	10.9	109	56-141	
n-Butane	10.3	10.4	101	53-151	
Vinyl chloride	9.99	10.0	101	61-135	
1,3-Butadiene	9.70	10.1	104	58-139	
Bromomethane	10.4	10.0	96	72-124	
Chloroethane	10.6	10.5	99	68-130	
Bromoethene (Vinyl Bromide)	10.0	10.2	101	75-125	
Trichlorofluoromethane	10.4	10.5	100	70-129	
Freon TF	10.7	10.4	97	70-121	
1,1-Dichloroethene	10.2	10.1	99	68-120	
Acetone	10.4	10.4	100	54-154	
Isopropyl alcohol	10.2	10.3	102	53-142	
Carbon disulfide	10.4	10.2	99	71-138	
3-Chloropropene	10.7	10.4	97	50-150	
Methylene Chloride	10.2	10.3	101	59-137	
tert-Butyl alcohol	10.8	10.9	101	66-132	
Methyl tert-butyl ether	10.6	10.3	98	70-127	
trans-1,2-Dichloroethene	10.3	10.3	99	69-137	
n-Hexane	10.5	10.3	99	63-138	
1,1-Dichloroethane	10.3	9.80	95	66-130	
Methyl Ethyl Ketone	10.4	10.3	100	72-124	
cis-1,2-Dichloroethene	10.4	10.2	98	72-121	
Chloroform	10.3	10.1	98	73-124	
Tetrahydrofuran	9.81	9.86	101	60-149	
1,1,1-Trichloroethane	10.3	9.79	95	72-127	
Cyclohexane	10.2	9.73	95	76-124	
Carbon tetrachloride	10.0	9.99	99	71-133	
2,2,4-Trimethylpentane	10.1	10.0	99	68-131	
Benzene	10.4	9.80	94	73-119	
1,2-Dichloroethane	10.5	9.94	95	68-135	
n-Heptane	10.3	9.66	94	60-142	
Trichloroethene	10.3	10.2	100	73-122	
Methyl methacrylate	10.2	9.98	98	73-129	
1,2-Dichloropropane	10.3	10.2	98	69-128	
1,4-Dioxane	10.3	10.7	104	66-129	
Bromodichloromethane	10.3	10.3	100	75-127	
cis-1,3-Dichloropropene	9.94	10.5	105	74-125	
methyl isobutyl ketone	10.2	9.59	94	58-144	
Toluene	10.2	9.84	97	75-122	

Column to be used to flag recovery and RPD values

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 40108-03.D
 Lab ID: LCS 200-152580/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	9.85	9.87	100	74-128	
1,1,2-Trichloroethane	10.5	10.2	97	75-126	
Tetrachloroethene	10.5	10.1	96	70-125	
Methyl Butyl Ketone (2-Hexanone)	10.1	8.82	87	57-143	
Dibromochloromethane	10.6	9.40	89	73-125	
1,2-Dibromoethane	10.7	10.5	98	78-122	
Chlorobenzene	10.5	10.2	97	76-119	
Ethylbenzene	10.2	9.86	96	74-122	
m,p-Xylene	20.0	19.9	100	76-121	
Xylene, o-	10.4	10.1	98	73-123	
Styrene	10.3	10.3	100	74-125	
Bromoform	10.3	10.2	99	53-149	
Cumene	10.5	10.1	96	73-123	
1,1,2,2-Tetrachloroethane	10.3	10.1	98	74-126	
n-Propylbenzene	10.4	10.0	97	73-127	
4-Ethyltoluene	10.2	10.0	98	75-129	
1,3,5-Trimethylbenzene	10.5	10.1	96	72-126	
2-Chlorotoluene	10.4	9.97	96	74-126	
tert-Butylbenzene	10.4	9.88	95	71-125	
1,2,4-Trimethylbenzene	10.4	10.1	97	71-129	
sec-Butylbenzene	10.5	10.1	97	70-128	
4-Isopropyltoluene	10.5	9.92	94	68-130	
1,3-Dichlorobenzene	10.2	10.1	99	69-131	
1,4-Dichlorobenzene	10.4	10.1	97	67-132	
Benzyl chloride	10.2	10.9	107	60-136	
n-Butylbenzene	10.5	10.1	96	65-137	
1,2-Dichlorobenzene	10.8	9.95	92	68-129	
1,2,4-Trichlorobenzene	11.0	10.8	98	50-150	
Hexachlorobutadiene	10.8	10.2	94	58-130	
Naphthalene	10.5	9.63	92	50-150	

Column to be used to flag recovery and RPD values

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.: _____
Matrix: Air Level: Low Lab File ID: 40114-03.D
Lab ID: LCS 200-152597/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.6	12.6	119	61-142	
Freon 22	10.6	13.1	124	60-147	
1,2-Dichlorotetrafluoroethane	10.6	11.9	113	71-141	
Chloromethane	9.94	11.7	118	56-141	
n-Butane	10.3	8.37	81	53-151	
Vinyl chloride	9.99	8.74	87	61-135	
1,3-Butadiene	9.70	8.95	92	58-139	
Bromomethane	10.4	9.40	90	72-124	
Chloroethane	10.6	9.91	94	68-130	
Bromoethene (Vinyl Bromide)	10.0	9.47	94	75-125	
Trichlorofluoromethane	10.4	10.4	100	70-129	
Freon TF	10.7	9.21	86	70-121	
1,1-Dichloroethene	10.2	8.35	82	68-120	
Acetone	10.4	8.36	80	54-154	
Isopropyl alcohol	10.2	10.7	105	53-142	
Carbon disulfide	10.4	8.49	82	71-138	
3-Chloropropene	10.7	7.05	66	50-150	
Methylene Chloride	10.2	10.3	101	59-137	
tert-Butyl alcohol	10.8	11.0	102	66-132	
Methyl tert-butyl ether	10.6	10.2	97	70-127	
trans-1,2-Dichloroethene	10.3	9.79	95	69-137	
n-Hexane	10.5	9.44	90	63-138	
1,1-Dichloroethane	10.3	9.56	93	66-130	
Methyl Ethyl Ketone	10.4	9.37	91	72-124	
cis-1,2-Dichloroethene	10.4	9.17	88	72-121	
Chloroform	10.3	9.83	95	73-124	
Tetrahydrofuran	9.81	10.1	103	60-149	
1,1,1-Trichloroethane	10.3	10.2	99	72-127	
Cyclohexane	10.2	9.44	92	76-124	
Carbon tetrachloride	10.0	10.5	105	71-133	
2,2,4-Trimethylpentane	10.1	9.81	97	68-131	
Benzene	10.4	9.51	92	73-119	
1,2-Dichloroethane	10.5	10.6	101	68-135	
n-Heptane	10.3	10.0	97	60-142	
Trichloroethene	10.3	9.76	95	73-122	
Methyl methacrylate	10.2	9.79	96	73-129	
1,2-Dichloropropane	10.3	9.69	94	69-128	
1,4-Dioxane	10.3	11.0	107	66-129	
Bromodichloromethane	10.3	10.7	104	75-127	
cis-1,3-Dichloropropene	9.94	10.6	107	74-125	
methyl isobutyl ketone	10.2	9.89	97	58-144	
Toluene	10.2	9.23	91	75-122	

Column to be used to flag recovery and RPD values

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 40114-03.D
 Lab ID: LCS 200-152597/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	9.85	9.91	101	74-128	
1,1,2-Trichloroethane	10.5	9.23	88	75-126	
Tetrachloroethene	10.5	8.90	85	70-125	
Methyl Butyl Ketone (2-Hexanone)	10.1	9.20	91	57-143	
Dibromochloromethane	10.6	10.4	98	73-125	
1,2-Dibromoethane	10.7	10.1	95	78-122	
Chlorobenzene	10.5	9.26	88	76-119	
Ethylbenzene	10.2	9.55	93	74-122	
m,p-Xylene	20.0	18.9	94	76-121	
Xylene, o-	10.4	9.20	89	73-123	
Styrene	10.3	10.1	98	74-125	
Bromoform	10.3	10.2	99	53-149	
Cumene	10.5	9.71	93	73-123	
1,1,2,2-Tetrachloroethane	10.3	9.41	91	74-126	
n-Propylbenzene	10.4	9.93	96	73-127	
4-Ethyltoluene	10.2	10.3	100	75-129	
1,3,5-Trimethylbenzene	10.5	9.84	94	72-126	
2-Chlorotoluene	10.4	10.3	98	74-126	
tert-Butylbenzene	10.4	9.81	94	71-125	
1,2,4-Trimethylbenzene	10.4	10.2	97	71-129	
sec-Butylbenzene	10.5	10.0	96	70-128	
4-Isopropyltoluene	10.5	10.4	99	68-130	
1,3-Dichlorobenzene	10.2	9.87	97	69-131	
1,4-Dichlorobenzene	10.4	9.96	96	67-132	
Benzyl chloride	10.2	11.2	110	60-136	
n-Butylbenzene	10.5	11.3	107	65-137	
1,2-Dichlorobenzene	10.8	10.5	97	68-129	
1,2,4-Trichlorobenzene	11.0	12.9	118	50-150	
Hexachlorobutadiene	10.8	12.4	114	58-130	
Naphthalene	10.5	12.9	123	50-150	

Column to be used to flag recovery and RPD values

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Lab File ID: 40108-04.D Lab Sample ID: MB 200-152580/4
 Matrix: Air Heated Purge: (Y/N) N
 Instrument ID: CHC.i Date Analyzed: 02/20/2020 13:23
 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 200-152580/3	40108-03.D	02/20/2020 12:29
IA-04-021420	200-52685-2	40108-15.D	02/20/2020 23:13
SS-SV-04-021420	200-52685-1	40108-18.D	02/21/2020 01:53
SS-SV-04-021420 DL	200-52685-1 DL	40108-19.D	02/21/2020 02:46
SS-SV-06-021420	200-52685-3	40108-20.D	02/21/2020 03:40
IA-06-021420	200-52685-4	40108-21.D	02/21/2020 04:34
IA-05-021420	200-52685-6	40108-22.D	02/21/2020 05:27

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Lab File ID: 40114-04.D Lab Sample ID: MB 200-152597/4
 Matrix: Air Heated Purge: (Y/N) N
 Instrument ID: CHX.i Date Analyzed: 02/21/2020 09:50
 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 200-152597/3	40114-03.D	02/21/2020 09:00
IA-07-021420	200-52685-9	40114-05.D	02/21/2020 10:40
AA-03-021420	200-52685-10	40114-06.D	02/21/2020 11:29
SS-SV-05-021420	200-52685-5	40114-07.D	02/21/2020 12:19
SS-SV-05-021420 DL	200-52685-5 DL	40114-08.D	02/21/2020 13:09
SS-SV-07-021420	200-52685-8	40114-09.D	02/21/2020 13:59
SV-DUP-021420	200-52685-7	40114-10.D	02/21/2020 14:49
SV-DUP-021420 DL	200-52685-7 DL	40114-11.D	02/21/2020 15:39
IA-05-021420 DL	200-52685-6 DL	40114-12.D	02/21/2020 16:29

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Lab File ID: 40074-01.D BFB Injection Date: 02/18/2020
 Instrument ID: CHC.i BFB Injection Time: 15:22
 Analysis Batch No.: 152505

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	27.8
75	30.0 - 66.0% of mass 95	56.6
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	75.3
175	4.0 - 9.0 % of mass 174	5.5 (7.3) 1
176	93.0 - 101.0% of mass 174	73.2 (97.2) 1
177	5.0 - 9.0% of mass 176	4.9 (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 200-152505/4	40074-04.D	02/18/2020	18:21
	IC 200-152505/5	40074-05.D	02/18/2020	19:18
	IC 200-152505/6	40074-06.D	02/18/2020	20:12
	IC 200-152505/7	40074-07.D	02/18/2020	21:11
	ICIS 200-152505/8	40074-08.D	02/18/2020	22:08
	IC 200-152505/9	40074-09.D	02/18/2020	23:03
	IC 200-152505/12	40074-12.D	02/19/2020	01:54
	IC 200-152505/13	40074-13.D	02/19/2020	02:47
	ICV 200-152505/17	40074-17.D	02/19/2020	06:32

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Lab File ID: 40108-01.D BFB Injection Date: 02/20/2020
 Instrument ID: CHC.i BFB Injection Time: 10:33
 Analysis Batch No.: 152580

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	25.2
75	30.0 - 66.0% of mass 95	53.6
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	77.7
175	4.0 - 9.0 % of mass 174	5.8 (7.5) 1
176	93.0 - 101.0% of mass 174	75.8 (97.6) 1
177	5.0 - 9.0% of mass 176	5.0 (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
	CCVIS 200-152580/2	40108-02.D	02/20/2020	11:37
	LCS 200-152580/3	40108-03.D	02/20/2020	12:29
	MB 200-152580/4	40108-04.D	02/20/2020	13:23
IA-04-021420	200-52685-2	40108-15.D	02/20/2020	23:13
SS-SV-04-021420	200-52685-1	40108-18.D	02/21/2020	01:53
SS-SV-04-021420 DL	200-52685-1 DL	40108-19.D	02/21/2020	02:46
SS-SV-06-021420	200-52685-3	40108-20.D	02/21/2020	03:40
IA-06-021420	200-52685-4	40108-21.D	02/21/2020	04:34
IA-05-021420	200-52685-6	40108-22.D	02/21/2020	05:27

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Lab File ID: 39662-01.D BFB Injection Date: 01/21/2020
 Instrument ID: CHX.i BFB Injection Time: 16:07
 Analysis Batch No.: 151656

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	13.7
75	30.0 - 66.0% of mass 95	43.3
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.6 (0.5) 1
174	50.0 - 120.0% of mass 95	108.3
175	4.0 - 9.0 % of mass 174	7.7 (7.1) 1
176	93.0 - 101.0% of mass 174	105.6 (97.5) 1
177	5.0 - 9.0% of mass 176	7.0 (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
	IC 200-151656/4	39662-04.D	01/21/2020	18:37
	IC 200-151656/5	39662-05.D	01/21/2020	19:27
	IC 200-151656/6	39662-06.D	01/21/2020	20:17
	IC 200-151656/7	39662-07.D	01/21/2020	21:07
	ICIS 200-151656/8	39662-08.D	01/21/2020	21:57
	IC 200-151656/9	39662-09.D	01/21/2020	22:47
	IC 200-151656/12	39662-12.D	01/22/2020	01:17
	IC 200-151656/16	39662-16.D	01/22/2020	04:38
	ICV 200-151656/17	39662-17.D	01/22/2020	05:28

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Lab File ID: 40114-01.D BFB Injection Date: 02/21/2020
 Instrument ID: CHX.i BFB Injection Time: 07:20
 Analysis Batch No.: 152597

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	14.4
75	30.0 - 66.0% of mass 95	44.0
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.5 (0.5) 1
174	50.0 - 120.0% of mass 95	102.4
175	4.0 - 9.0 % of mass 174	7.1 (7.0) 1
176	93.0 - 101.0% of mass 174	99.3 (97.0) 1
177	5.0 - 9.0% of mass 176	6.5 (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 200-152597/2	40114-02.D	02/21/2020	08:10
	LCS 200-152597/3	40114-03.D	02/21/2020	09:00
	MB 200-152597/4	40114-04.D	02/21/2020	09:50
IA-07-021420	200-52685-9	40114-05.D	02/21/2020	10:40
AA-03-021420	200-52685-10	40114-06.D	02/21/2020	11:29
SS-SV-05-021420	200-52685-5	40114-07.D	02/21/2020	12:19
SS-SV-05-021420 DL	200-52685-5 DL	40114-08.D	02/21/2020	13:09
SS-SV-07-021420	200-52685-8	40114-09.D	02/21/2020	13:59
SV-DUP-021420	200-52685-7	40114-10.D	02/21/2020	14:49
SV-DUP-021420 DL	200-52685-7 DL	40114-11.D	02/21/2020	15:39
IA-05-021420 DL	200-52685-6 DL	40114-12.D	02/21/2020	16:29

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Sample No.: ICIS 200-152505/8 Date Analyzed: 02/18/2020 22:08
 Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 40074-08.D Heated Purge: (Y/N) N
 Calibration ID: 43158

	BCM		DFBZ		CBNZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	219533	10.00	1142261	11.97	1118676	18.01	
UPPER LIMIT	307346	10.33	1599165	12.30	1566146	18.34	
LOWER LIMIT	131720	9.67	685357	11.64	671206	17.68	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-152505/17		245968	10.00	1284189	11.97	1249884	18.01

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Sample No.: CCVIS 200-152580/2 Date Analyzed: 02/20/2020 11:37
 Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 40108-02.D Heated Purge: (Y/N) N
 Calibration ID: 43158

	BCM		DFBZ		CBNZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	254312	10.00	1345351	11.97	1333826	18.01	
UPPER LIMIT	356037	10.33	1883491	12.30	1867356	18.34	
LOWER LIMIT	152587	9.67	807211	11.64	800296	17.68	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-152580/3		255296	9.99	1372823	11.97	1370290	18.01
MB 200-152580/4		264932	10.00	1425738	11.97	1397958	18.01
200-52685-2	IA-04-021420	251237	9.99	1356483	11.97	1318711	18.00
200-52685-1	SS-SV-04-021420	251734	9.99	1371814	11.97	1348506	18.00
200-52685-1 DL	SS-SV-04-021420 DL	251397	9.99	1371903	11.97	1336866	18.00
200-52685-3	SS-SV-06-021420	246511	9.99	1342614	11.97	1308347	18.00
200-52685-4	IA-06-021420	255897	10.00	1385508	11.97	1365764	18.00
200-52685-6	IA-05-021420	254454	10.00	1382730	11.97	1359977	18.00

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Sample No.: ICIS 200-151656/8 Date Analyzed: 01/21/2020 21:57
 Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 39662-08.D Heated Purge: (Y/N) N
 Calibration ID: 42982

	BCM		DFBZ		CBNZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	279623	11.47	1332705	13.22	1273026	18.80	
UPPER LIMIT	391472	11.80	1865787	13.55	1782236	19.13	
LOWER LIMIT	167774	11.14	799623	12.89	763816	18.47	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-151656/17		279464	11.47	1308296	13.22	1257174	18.80

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Sample No.: CCVIS 200-152597/2 Date Analyzed: 02/21/2020 08:10
 Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 40114-02.D Heated Purge: (Y/N) N
 Calibration ID: 42982

		BCM		DFBZ		CBNZd5		
		AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD		284129	11.47	1317184	13.22	1271434	18.80	
UPPER LIMIT		397781	11.80	1844058	13.55	1780008	19.13	
LOWER LIMIT		170477	11.14	790310	12.89	762860	18.47	
LAB SAMPLE ID		CLIENT SAMPLE ID						
LCS 200-152597/3		298361	11.46	1394474	13.22	1367749	18.80	
MB 200-152597/4		283447	11.47	1329353	13.22	1210490	18.80	
200-52685-9		IA-07-021420	276107	11.47	1283248	13.22	1185871	18.80
200-52685-10		AA-03-021420	266367	11.47	1259508	13.22	1127486	18.80
200-52685-5		SS-SV-05-021420	250650	11.47	1155422	13.22	1087473	18.80
200-52685-5 DL		SS-SV-05-021420 DL	236204	11.47	1102372	13.22	951132	18.80
200-52685-8		SS-SV-07-021420	230285	11.46	1038601	13.22	989398	18.80
200-52685-7		SV-DUP-021420	240497	11.47	1053284	13.22	1000715	18.81
200-52685-7 DL		SV-DUP-021420 DL	216617	11.47	967973	13.22	841972	18.80
200-52685-6 DL		IA-05-021420 DL	198287	11.47	905915	13.22	799445	18.80

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SS-SV-04-021420 Lab Sample ID: 200-52685-1
 Matrix: Air Lab File ID: 40108-18.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:30
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 01:53
 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.: 152580 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.39	J	0.50	0.11
75-45-6	Freon 22	86.47	0.51		0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.20	0.035
74-87-3	Chloromethane	50.49	0.50		0.50	0.11
106-97-8	n-Butane	58.12	4.2		0.50	0.11
75-01-4	Vinyl chloride	62.50	ND		0.060	0.044
106-99-0	1,3-Butadiene	54.09	0.061	J	0.20	0.057
74-83-9	Bromomethane	94.94	ND		0.20	0.051
75-00-3	Chloroethane	64.52	ND		0.50	0.054
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.20	0.052
75-69-4	Trichlorofluoromethane	137.37	0.25		0.20	0.060
76-13-1	Freon TF	187.38	0.056	J	0.20	0.038
75-35-4	1,1-Dichloroethene	96.94	ND		0.20	0.039
67-64-1	Acetone	58.08	13		5.0	1.2
67-63-0	Isopropyl alcohol	60.10	77	E	5.0	0.48
75-15-0	Carbon disulfide	76.14	ND		0.50	0.074
107-05-1	3-Chloropropene	76.53	ND		0.50	0.064
75-09-2	Methylene Chloride	84.93	ND		0.50	0.27
75-65-0	tert-Butyl alcohol	74.12	11		5.0	0.038
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.20	0.033
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.20	0.042
110-54-3	n-Hexane	86.17	1.0		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	ND		0.20	0.041
78-93-3	Methyl Ethyl Ketone	72.11	2.1		0.50	0.072
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.20	0.045
540-59-0	1,2-Dichloroethene, Total	96.94	ND		0.40	0.042
67-66-3	Chloroform	119.38	0.055	J	0.20	0.032
109-99-9	Tetrahydrofuran	72.11	0.10	J	5.0	0.066
71-55-6	1,1,1-Trichloroethane	133.41	0.054	J	0.20	0.036
110-82-7	Cyclohexane	84.16	0.67		0.20	0.046
56-23-5	Carbon tetrachloride	153.81	0.055	J	0.060	0.024
540-84-1	2,2,4-Trimethylpentane	114.23	0.58		0.20	0.041
71-43-2	Benzene	78.11	0.42		0.20	0.067
107-06-2	1,2-Dichloroethane	98.96	ND		0.20	0.032

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: SS-SV-04-021420 Lab Sample ID: 200-52685-1

Matrix: Air Lab File ID: 40108-18.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:30

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 01:53

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.: 152580 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.56		0.20	0.056
79-01-6	Trichloroethene	131.39	ND		0.060	0.035
80-62-6	Methyl methacrylate	100.12	ND		0.50	0.033
78-87-5	1,2-Dichloropropane	112.99	ND		0.20	0.033
123-91-1	1,4-Dioxane	88.11	ND		5.0	0.084
75-27-4	Bromodichloromethane	163.83	ND		0.20	0.035
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.20	0.032
108-10-1	methyl isobutyl ketone	100.16	0.21	J	0.50	0.036
108-88-3	Toluene	92.14	2.7		0.20	0.11
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.20	0.039
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.20	0.036
127-18-4	Tetrachloroethene	165.83	0.063	J	0.20	0.033
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		0.50	0.048
124-48-1	Dibromochloromethane	208.29	ND		0.20	0.036
106-93-4	1,2-Dibromoethane	187.87	ND		0.20	0.049
108-90-7	Chlorobenzene	112.56	ND		0.20	0.056
100-41-4	Ethylbenzene	106.17	0.50		0.20	0.063
179601-23-1	m,p-Xylene	106.17	1.8		0.50	0.10
95-47-6	Xylene, o-	106.17	0.78		0.20	0.048
1330-20-7	Xylene (total)	106.17	2.6		0.70	0.048
100-42-5	Styrene	104.15	0.053	J	0.20	0.040
75-25-2	Bromoform	252.75	ND		0.20	0.048
98-82-8	Cumene	120.19	0.10	J	0.20	0.035
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.20	0.042
103-65-1	n-Propylbenzene	120.19	0.12	J	0.20	0.039
622-96-8	4-Ethyltoluene	120.20	0.17	J	0.20	0.041
108-67-8	1,3,5-Trimethylbenzene	120.20	0.17	J	0.20	0.039
95-49-8	2-Chlorotoluene	126.59	ND		0.20	0.042
98-06-6	tert-Butylbenzene	134.22	ND		0.20	0.035
95-63-6	1,2,4-Trimethylbenzene	120.20	0.72		0.20	0.044
135-98-8	sec-Butylbenzene	134.22	ND		0.20	0.035
99-87-6	4-Isopropyltoluene	134.22	ND		0.20	0.039
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.20	0.11
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.20	0.12

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SS-SV-04-021420 Lab Sample ID: 200-52685-1
 Matrix: Air Lab File ID: 40108-18.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:30
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 01:53
 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.: 152580 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		0.20	0.085
104-51-8	n-Butylbenzene	134.22	ND		0.20	0.039
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.20	0.097
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.50	0.22
87-68-3	Hexachlorobutadiene	260.76	ND		0.20	0.076
91-20-3	Naphthalene	128.17	ND		0.50	0.17

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SS-SV-04-021420 Lab Sample ID: 200-52685-1
 Matrix: Air Lab File ID: 40108-18.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:30
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 01:53
 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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	1.9	J	2.5	0.54
75-45-6	Freon 22	86.47	1.8		1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	0.24
74-87-3	Chloromethane	50.49	1.0		1.0	0.23
106-97-8	n-Butane	58.12	9.9		1.2	0.26
75-01-4	Vinyl chloride	62.50	ND		0.15	0.11
106-99-0	1,3-Butadiene	54.09	0.14	J	0.44	0.13
74-83-9	Bromomethane	94.94	ND		0.78	0.20
75-00-3	Chloroethane	64.52	ND		1.3	0.14
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.87	0.23
75-69-4	Trichlorofluoromethane	137.37	1.4		1.1	0.34
76-13-1	Freon TF	187.38	0.43	J	1.5	0.29
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	0.15
67-64-1	Acetone	58.08	30		12	2.9
67-63-0	Isopropyl alcohol	60.10	190	E	12	1.2
75-15-0	Carbon disulfide	76.14	ND		1.6	0.23
107-05-1	3-Chloropropene	76.53	ND		1.6	0.20
75-09-2	Methylene Chloride	84.93	ND		1.7	0.94
75-65-0	tert-Butyl alcohol	74.12	34		15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.72	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.79	0.17
110-54-3	n-Hexane	86.17	3.7		0.70	0.70
75-34-3	1,1-Dichloroethane	98.96	ND		0.81	0.17
78-93-3	Methyl Ethyl Ketone	72.11	6.2		1.5	0.21
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.79	0.18
540-59-0	1,2-Dichloroethene, Total	96.94	ND		1.6	0.17
67-66-3	Chloroform	119.38	0.27	J	0.98	0.16
109-99-9	Tetrahydrofuran	72.11	0.30	J	15	0.19
71-55-6	1,1,1-Trichloroethane	133.41	0.29	J	1.1	0.20
110-82-7	Cyclohexane	84.16	2.3		0.69	0.16
56-23-5	Carbon tetrachloride	153.81	0.34	J	0.38	0.15
540-84-1	2,2,4-Trimethylpentane	114.23	2.7		0.93	0.19
71-43-2	Benzene	78.11	1.3		0.64	0.21
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	0.13

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: SS-SV-04-021420 Lab Sample ID: 200-52685-1

Matrix: Air Lab File ID: 40108-18.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:30

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 01:53

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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	2.3		0.82	0.23
79-01-6	Trichloroethene	131.39	ND		0.32	0.19
80-62-6	Methyl methacrylate	100.12	ND		2.0	0.14
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.15
123-91-1	1,4-Dioxane	88.11	ND		18	0.30
75-27-4	Bromodichloromethane	163.83	ND		1.3	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	0.15
108-10-1	methyl isobutyl ketone	100.16	0.88	J	2.0	0.15
108-88-3	Toluene	92.14	10		0.75	0.41
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	0.18
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.43	J	1.4	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		2.0	0.20
124-48-1	Dibromochloromethane	208.29	ND		1.7	0.31
106-93-4	1,2-Dibromoethane	187.87	ND		1.5	0.38
108-90-7	Chlorobenzene	112.56	ND		0.92	0.26
100-41-4	Ethylbenzene	106.17	2.2		0.87	0.27
179601-23-1	m,p-Xylene	106.17	8.0		2.2	0.43
95-47-6	Xylene, o-	106.17	3.4		0.87	0.21
1330-20-7	Xylene (total)	106.17	11		3.0	0.21
100-42-5	Styrene	104.15	0.22	J	0.85	0.17
75-25-2	Bromoform	252.75	ND		2.1	0.50
98-82-8	Cumene	120.19	0.50	J	0.98	0.17
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	0.29
103-65-1	n-Propylbenzene	120.19	0.58	J	0.98	0.19
622-96-8	4-Ethyltoluene	120.20	0.83	J	0.98	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	0.84	J	0.98	0.19
95-49-8	2-Chlorotoluene	126.59	ND		1.0	0.22
98-06-6	tert-Butylbenzene	134.22	ND		1.1	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	3.5		0.98	0.22
135-98-8	sec-Butylbenzene	134.22	ND		1.1	0.19
99-87-6	4-Isopropyltoluene	134.22	ND		1.1	0.21
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.2	0.66
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.2	0.72

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SS-SV-04-021420 Lab Sample ID: 200-52685-1
 Matrix: Air Lab File ID: 40108-18.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:30
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 01:53
 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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		1.0	0.44
104-51-8	n-Butylbenzene	134.22	ND		1.1	0.21
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	0.58
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3.7	1.6
87-68-3	Hexachlorobutadiene	260.76	ND		2.1	0.81
91-20-3	Naphthalene	128.17	ND		2.6	0.89

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D
 Lims ID: 200-52685-A-1
 Client ID: SS-SV-04-021420
 Sample Type: Client
 Inject. Date: 21-Feb-2020 01:53:30 ALS Bottle#: 18 Worklist Smp#: 18
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0040108-018
 Misc. Info.: 52685-1
 Operator ID: ggg Instrument ID: CHC.i
 Method: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Feb-2020 08:11:32 Calib Date: 19-Feb-2020 02:47:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0326

First Level Reviewer: bourdeaut

Date: 21-Feb-2020 08:02:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	2.999	3.008	-0.011	99	17379	0.3897	
3 Chlorodifluoromethane	51	3.042	3.051	-0.011	98	17002	0.5093	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.255				ND	MU
5 Chloromethane	50	3.362	3.371	-0.011	99	8847	0.5023	
6 Butane	43	3.560	3.568	-0.010	99	136405	4.16	
7 Vinyl chloride	62		3.602				ND	
8 Butadiene	54	3.666	3.675	-0.011	92	937	0.0613	
10 Bromomethane	94		4.307				ND	
11 Chloroethane	64		4.531				ND	
13 Vinyl bromide	106		4.910				ND	
14 Trichlorofluoromethane	101	5.017	5.019	-0.005	98	10161	0.2498	
20 1,1,2-Trichloro-1,2,2-trif	101	6.079	6.081	-0.005	88	1787	0.0556	
21 1,1-Dichloroethene	96		6.100				ND	
22 Acetone	43	6.308	6.316	-0.011	100	430999	12.6	
23 Carbon disulfide	76	6.458	6.470	-0.016	98	2839	0.0595	
24 Isopropyl alcohol	45	6.655	6.662	-0.011	100	2978753	77.4	E
25 3-Chloro-1-propene	41		6.869				ND	U
27 Methylene Chloride	49	7.146	7.148	-0.005	94	5466	0.2209	
28 2-Methyl-2-propanol	59	7.434	7.430	0.000	96	436899	11.2	
29 Methyl tert-butyl ether	73	7.605	7.600	0.005	9	1353	0.0262	M
31 trans-1,2-Dichloroethene	61		7.610				ND	
33 Hexane	57	8.021	8.022	-0.006	89	31617	1.04	
34 1,1-Dichloroethane	63		8.454				ND	
37 cis-1,2-Dichloroethene	96		9.553				ND	
38 2-Butanone (MEK)	72	9.601	9.596	0.000	98	20045	2.09	
* 40 Chlorobromomethane	128	9.991	9.996	-0.005	93	251734	20.0	
41 Tetrahydrofuran	42	10.071	10.040	0.027	76	3418	0.1015	
42 Chloroform	83	10.151	10.145	0.000	77	2313	0.0554	
S 30 1,2-Dichloroethene, Total	61		10.200				ND	
43 Cyclohexane	84	10.412	10.413	-0.006	93	17635	0.6669	
44 1,1,1-Trichloroethane	97	10.412	10.413	-0.006	70	2375	0.0535	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Carbon tetrachloride	117	10.679	10.680	-0.005	30	2346	0.0547	
47 Benzene	78	11.117	11.117	-0.005	97	27584	0.4201	
46 Isooctane	57	11.143	11.144	-0.006	96	71445	0.5772	
48 1,2-Dichloroethane	62		11.282				ND	
49 n-Heptane	43	11.549	11.549	-0.005	97	33928	0.5554	
* 50 1,4-Difluorobenzene	114	11.965	11.971	-0.006	98	1371814	20.0	
53 Trichloroethene	95		12.440				ND	
54 1,2-Dichloropropane	63		12.958				ND	
55 Methyl methacrylate	69		13.182				ND	U
56 1,4-Dioxane	88		13.230				ND	
58 Dichlorobromomethane	83		13.540				ND	
60 cis-1,3-Dichloropropene	75		14.495				ND	
61 4-Methyl-2-pentanone (MIBK)	43	14.799	14.793	0.000	98	18128	0.2140	
65 Toluene	92	15.093	15.094	-0.005	92	129110	2.72	
66 trans-1,3-Dichloropropene	75		15.696				ND	U
67 1,1,2-Trichloroethane	83		16.064				ND	
68 Tetrachloroethene	166	16.213	16.209	0.000	89	2151	0.0628	
69 2-Hexanone	43		16.539				ND	
71 Chlorodibromomethane	129		16.833				ND	
72 Ethylene Dibromide	107		17.083				ND	
* 74 Chlorobenzene-d5	117	18.001	18.007	-0.006	94	1348506	20.0	
75 Chlorobenzene	112		18.065				ND	
76 Ethylbenzene	91	18.231	18.231	-0.005	99	54645	0.4998	
78 m-Xylene & p-Xylene	106	18.482	18.482	-0.005	0	71382	1.84	
79 o-Xylene	106	19.319	19.319	-0.006	97	28819	0.7773	
80 Styrene	104	19.373	19.367	0.000	81	3145	0.0528	M
81 Bromoform	173		19.800				ND	
82 Isopropylbenzene	105	20.056	20.050	0.000	96	11547	0.1014	
S 73 Xylenes, Total	106				0		2.62	
84 1,1,2,2-Tetrachloroethane	83		20.739				ND	U
85 N-Propylbenzene	91	20.824	20.824	-0.006	97	17616	0.1184	
89 2-Chlorotoluene	91		21.027				ND	MU
88 4-Ethyltoluene	105	21.027	21.021	0.000	98	19830	0.1688	
90 1,3,5-Trimethylbenzene	105	21.139	21.139	-0.006	92	16397	0.1716	
92 tert-Butylbenzene	119		21.652				ND	U
93 1,2,4-Trimethylbenzene	105	21.748	21.747	-0.005	99	69713	0.7206	
94 sec-Butylbenzene	105		21.993				ND	U
95 4-Isopropyltoluene	119		22.207				ND	
96 1,3-Dichlorobenzene	146	22.223	22.211	0.006	95	3874	0.0629	
97 1,4-Dichlorobenzene	146		22.362				ND	
98 Benzyl chloride	91		22.548				ND	U
100 n-Butylbenzene	91		22.783				ND	U
101 1,2-Dichlorobenzene	146		22.879				ND	
103 1,2,4-Trichlorobenzene	180		25.254				ND	
104 Hexachlorobutadiene	225		25.457				ND	
105 Naphthalene	128	25.686	25.679	0.000	97	12930	0.1075	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 21-Feb-2020 08:12:30

Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Operator ID: ggg

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Worklist Smp#: 18

Client ID: SS-SV-04-021420

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

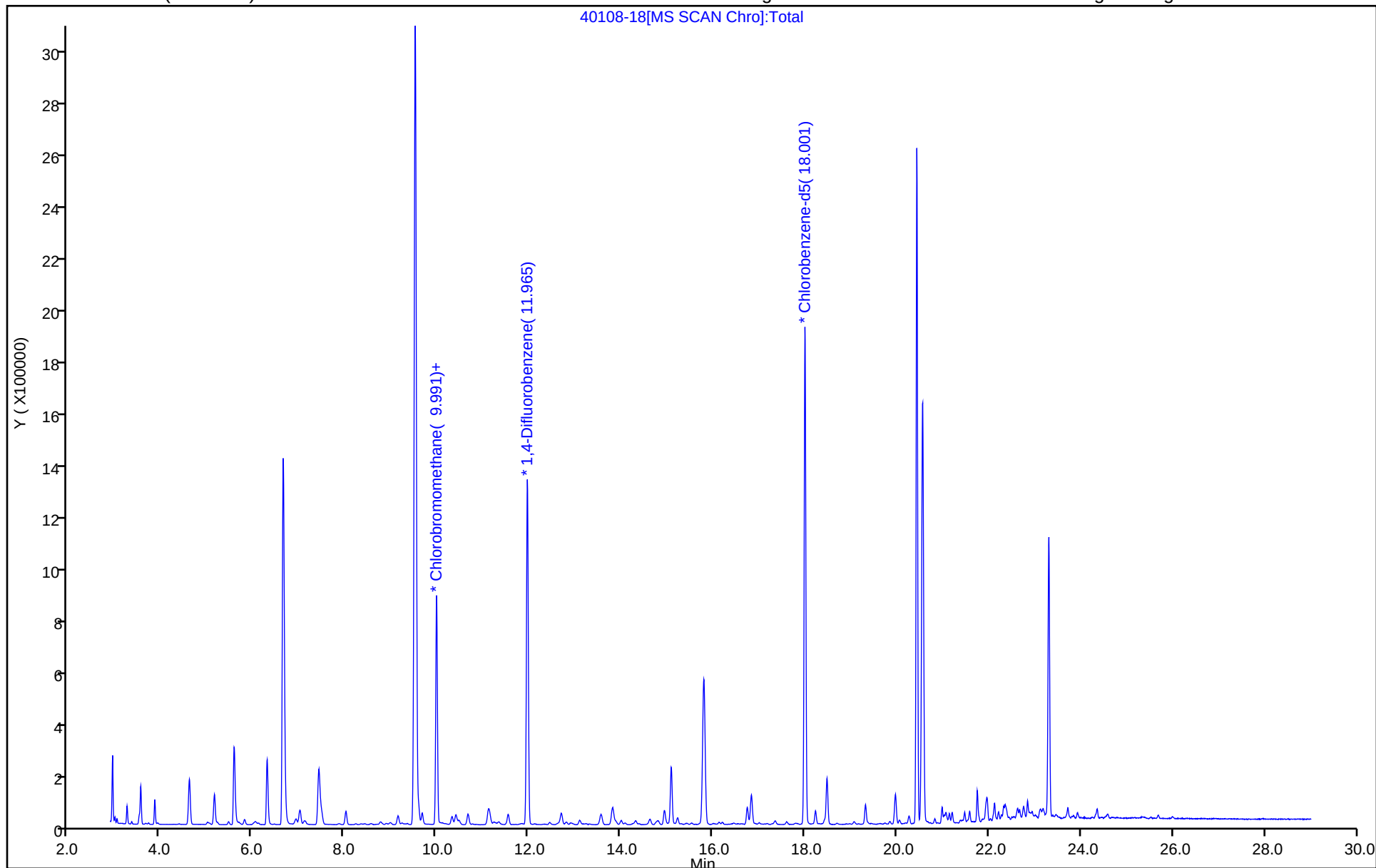
ALS Bottle#: 18

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

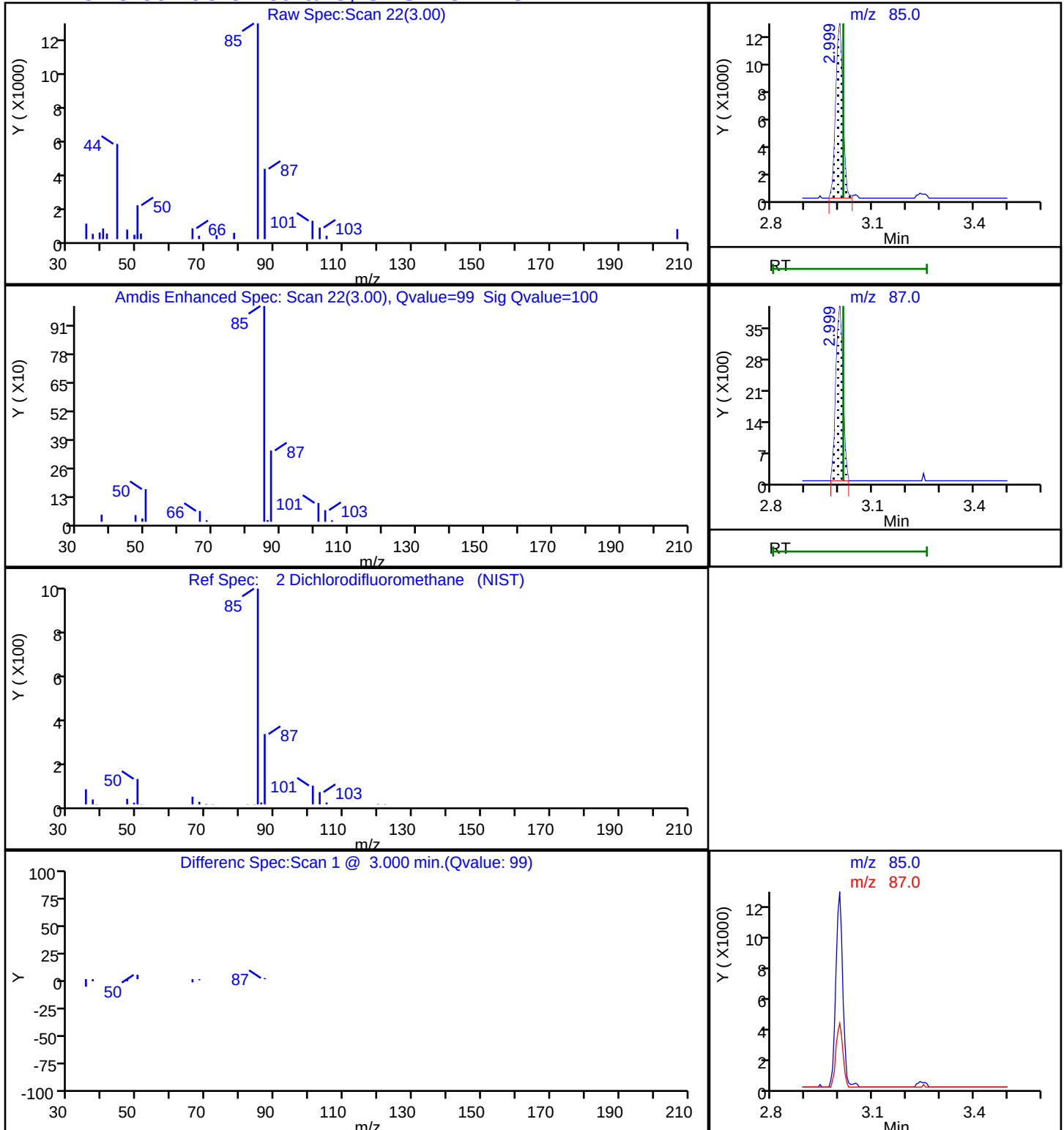
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

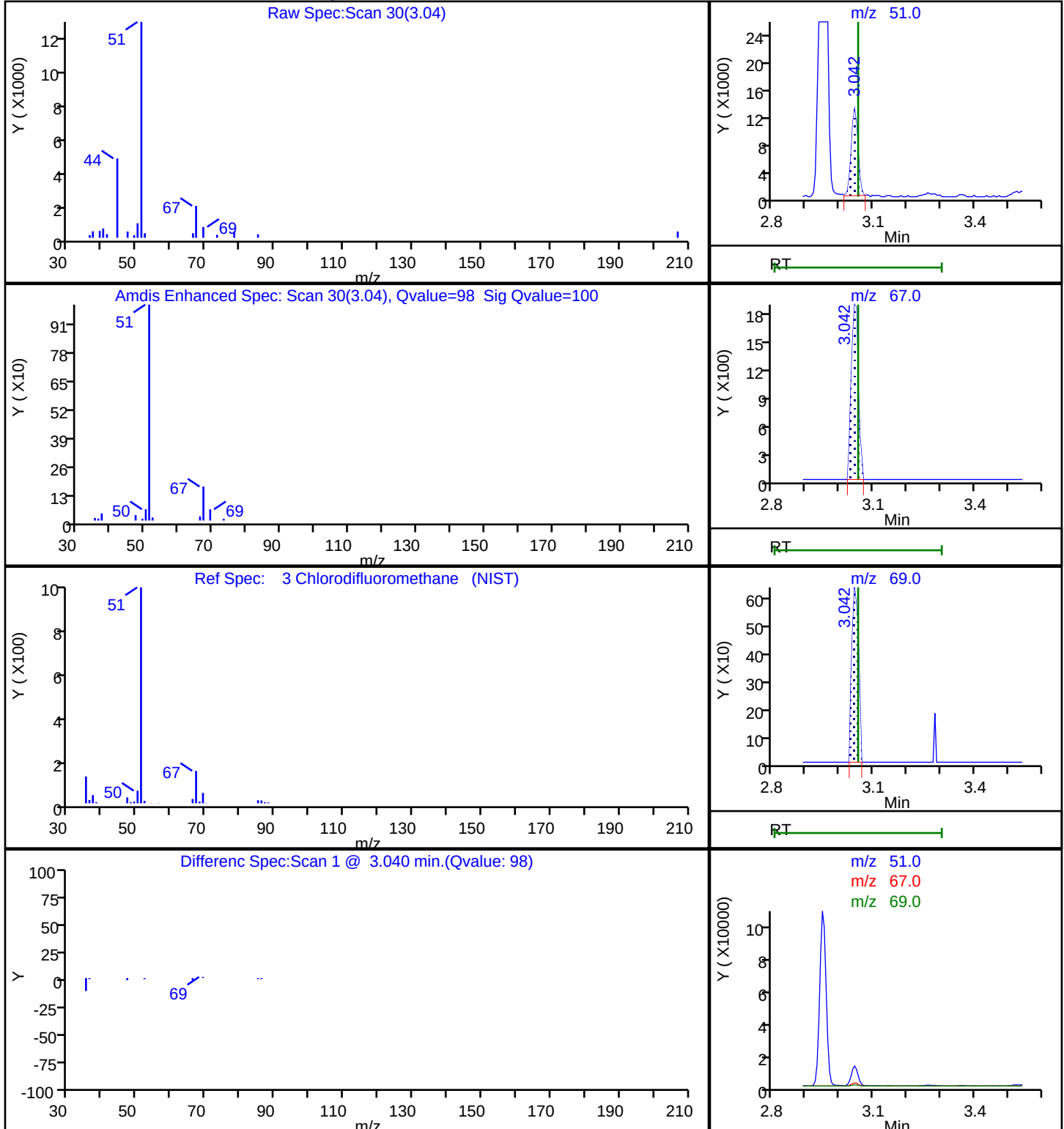
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

3 Chlorodifluoromethane, CAS: 75-45-6

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

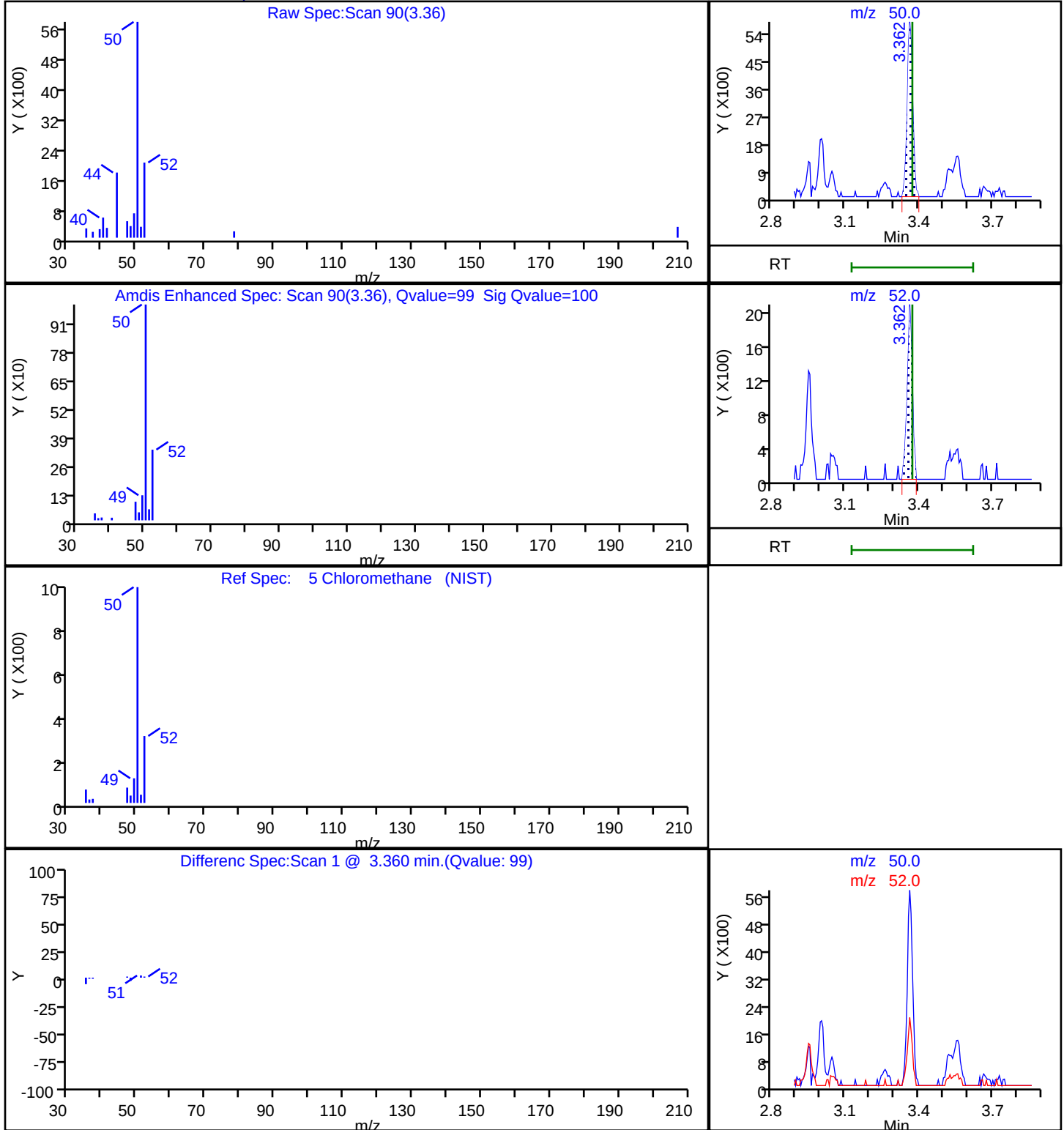
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

5 Chloromethane, CAS: 74-87-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

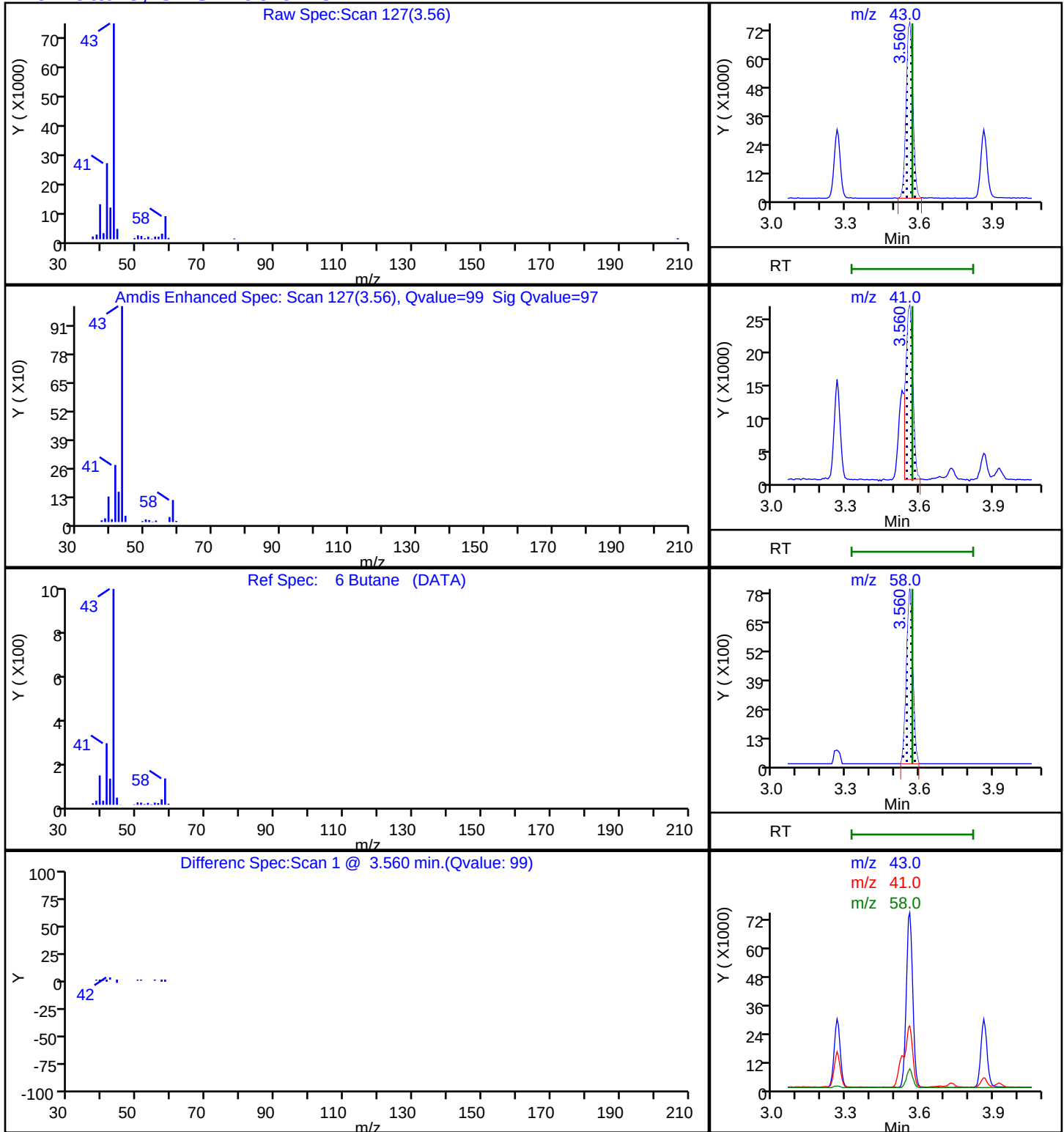
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

6 Butane, CAS: 106-97-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

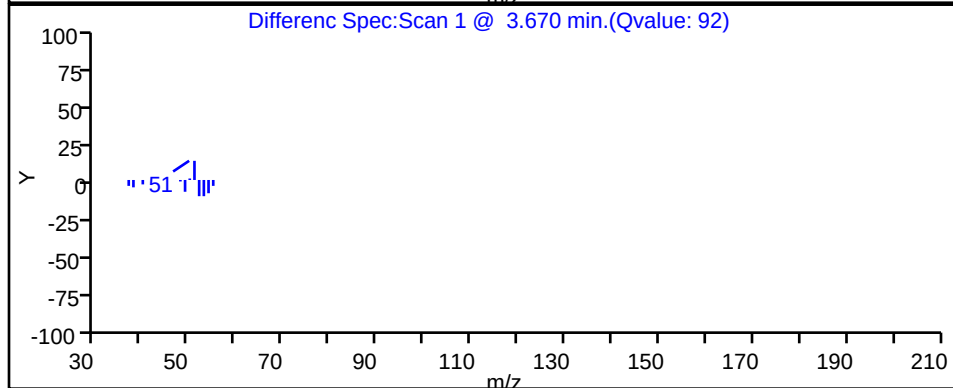
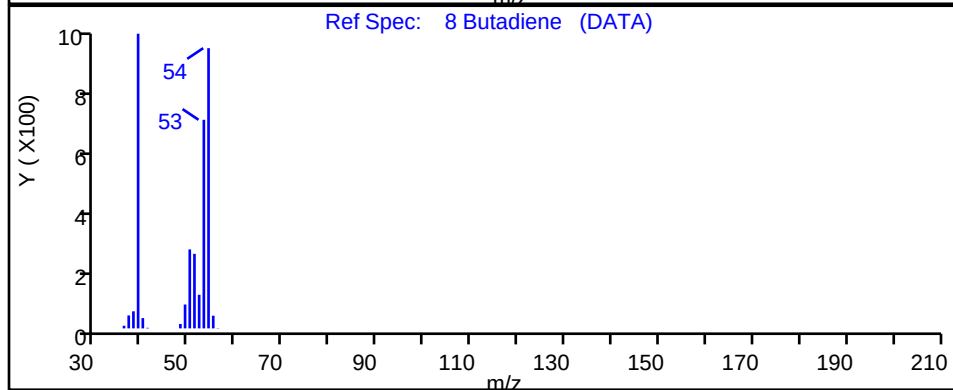
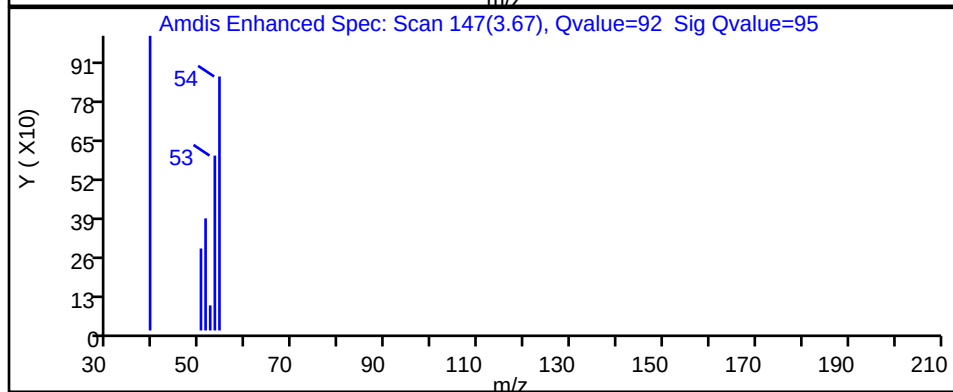
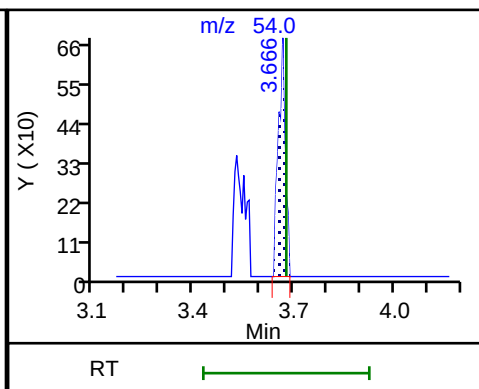
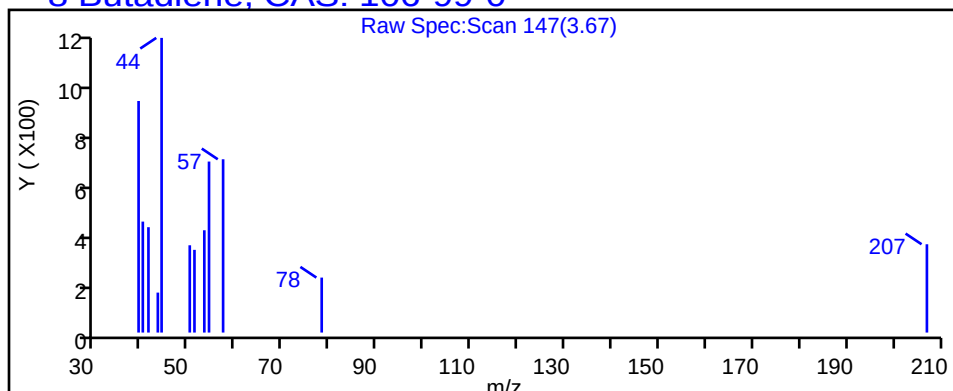
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

8 Butadiene, CAS: 106-99-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

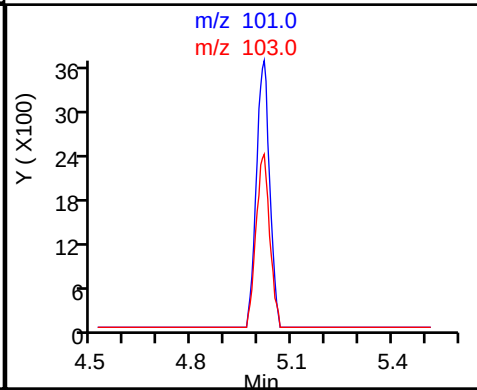
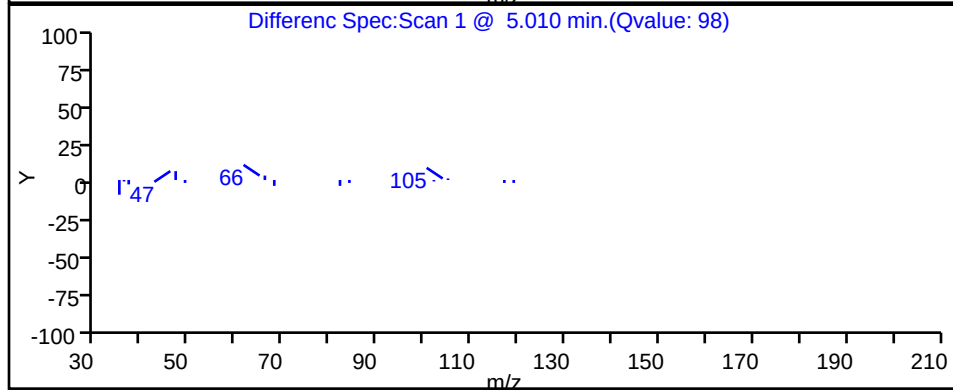
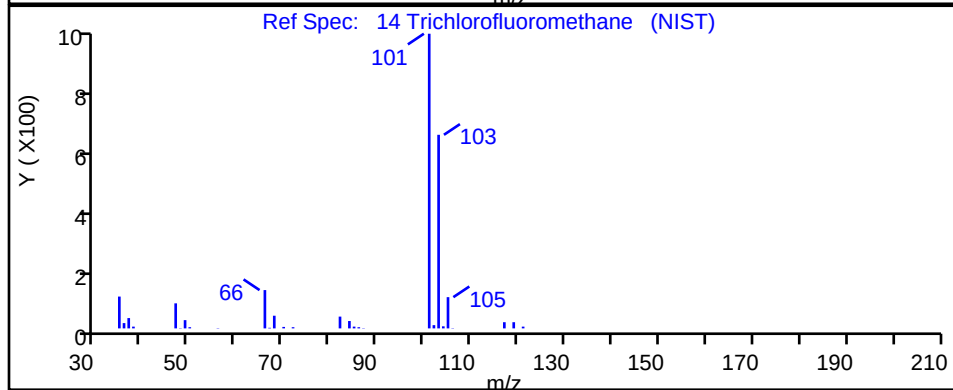
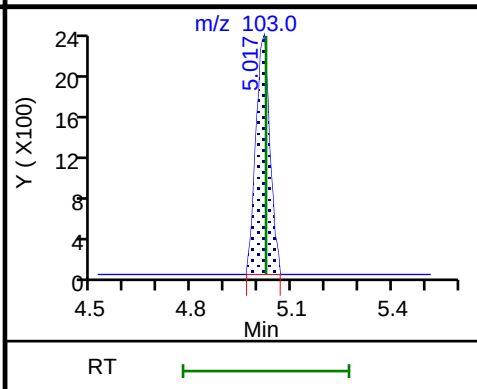
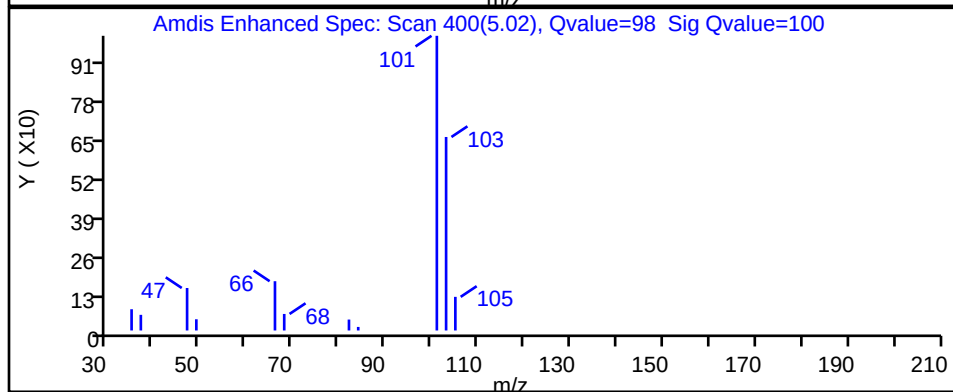
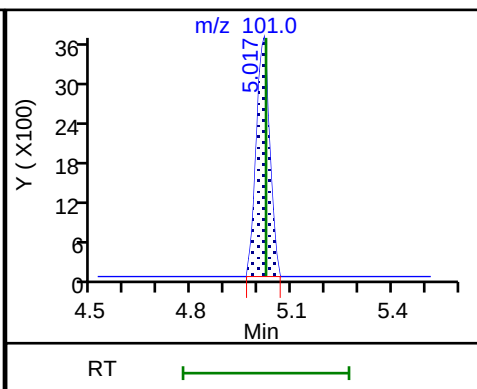
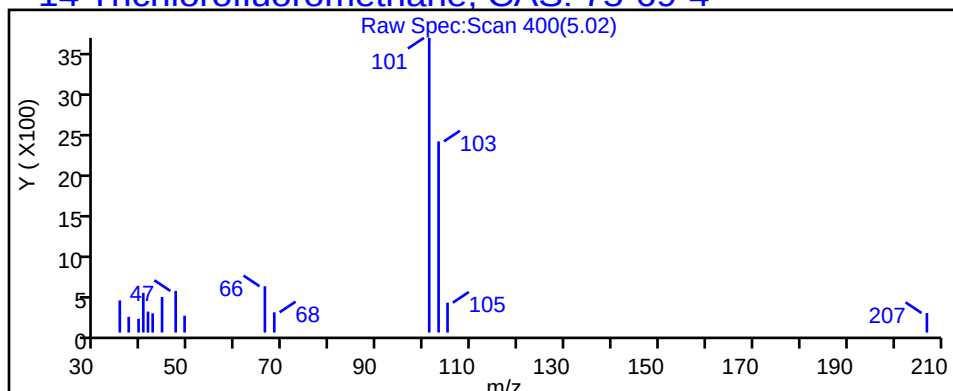
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

14 Trichlorofluoromethane, CAS: 75-69-4

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

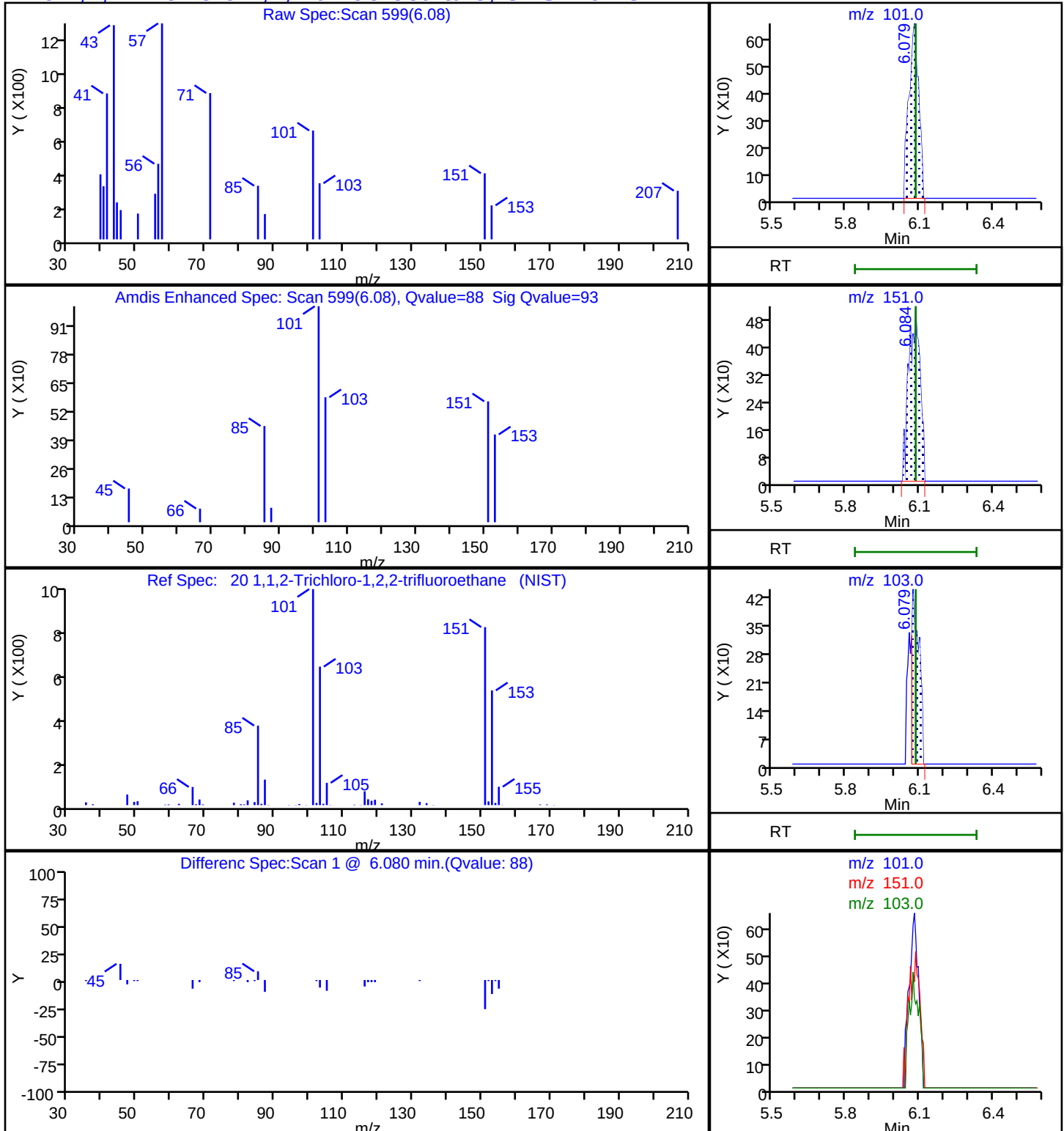
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

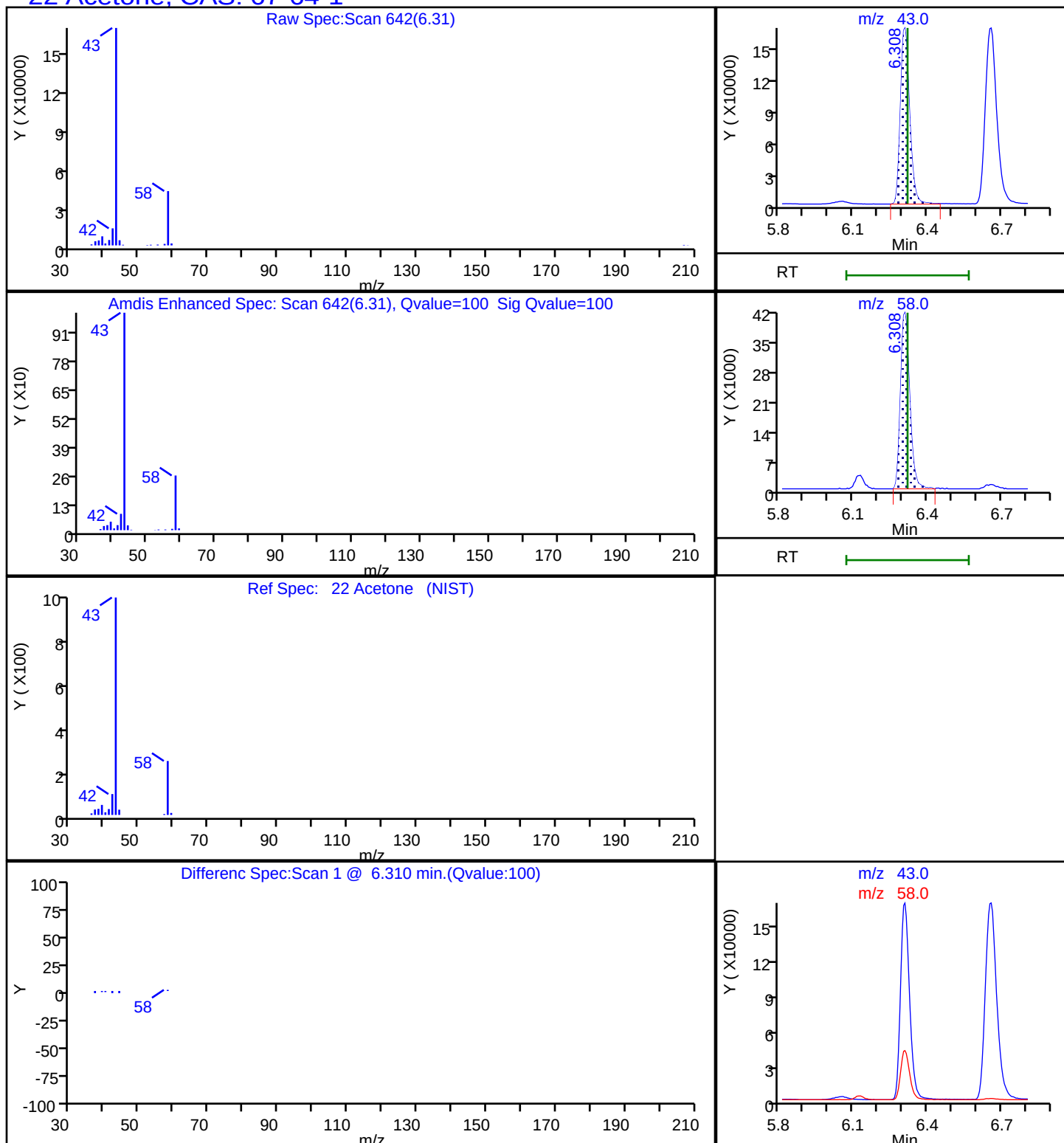
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

22 Acetone, CAS: 67-64-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

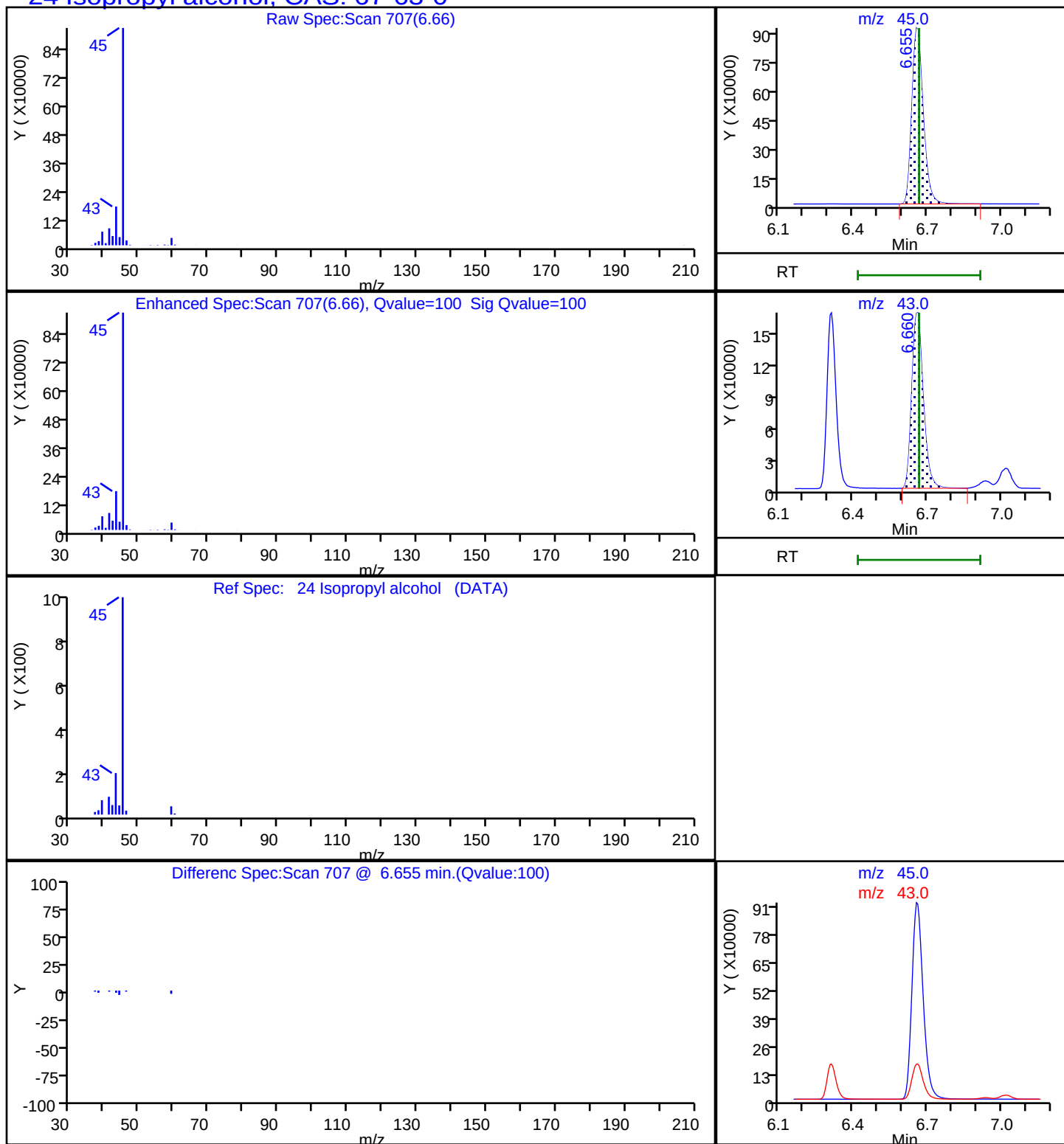
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

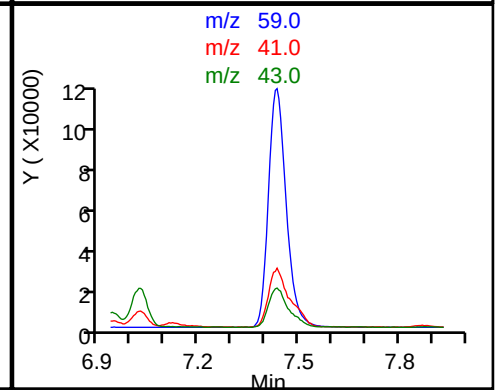
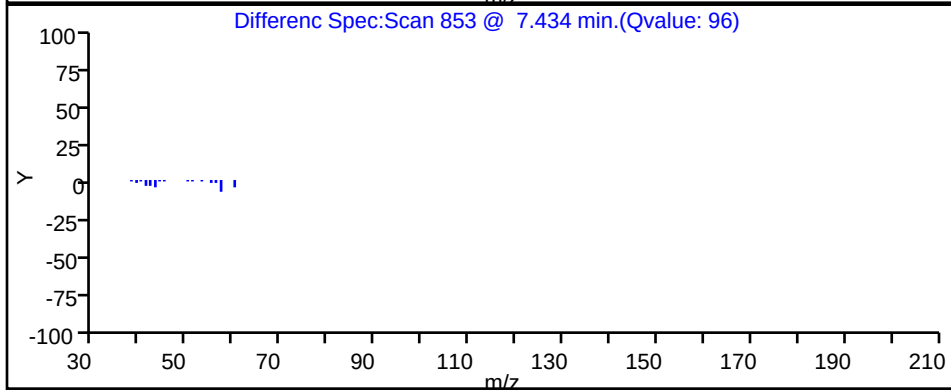
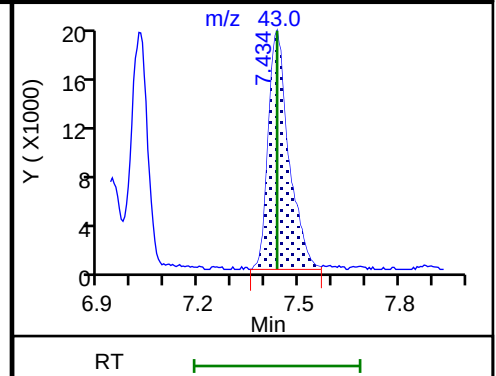
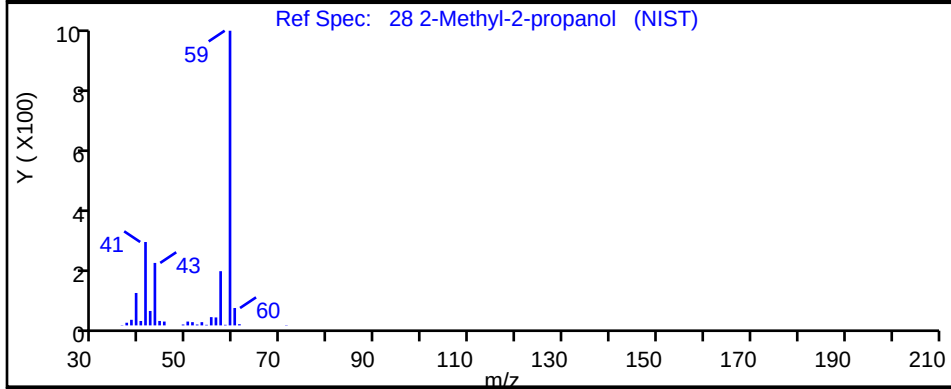
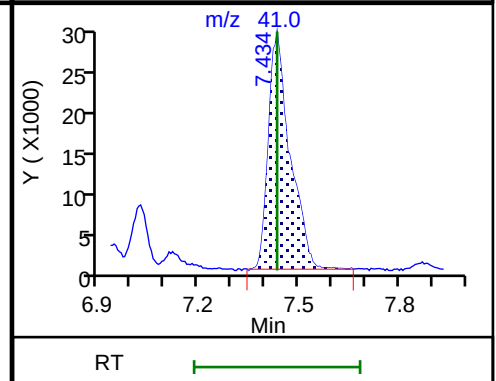
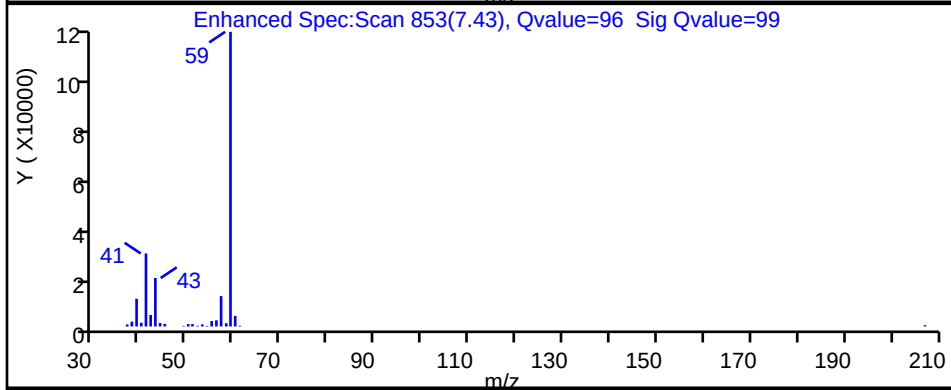
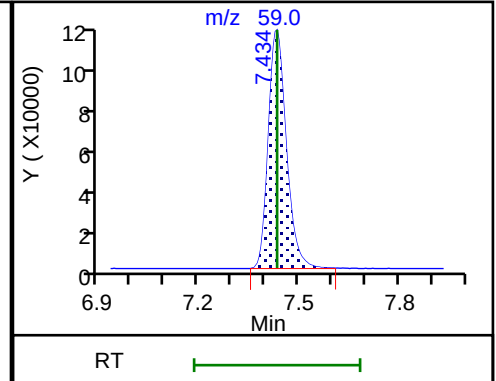
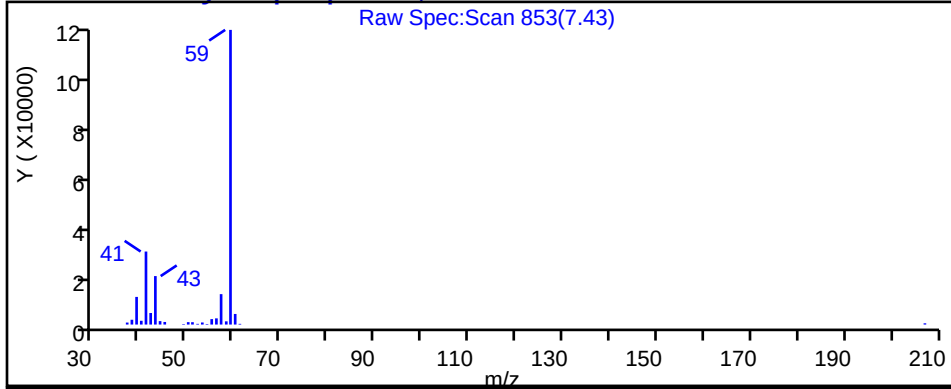
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

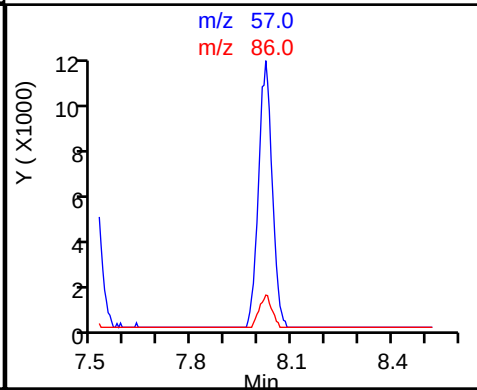
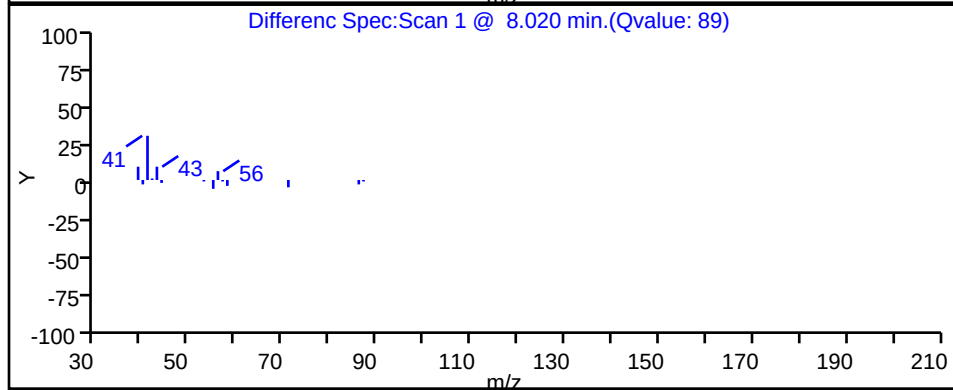
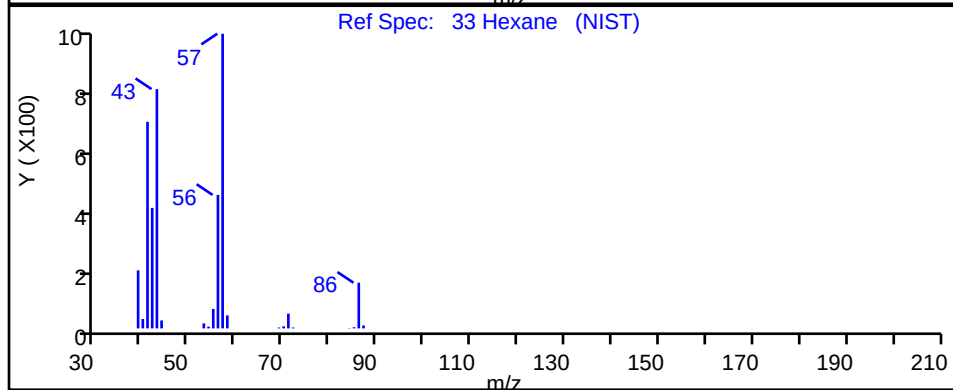
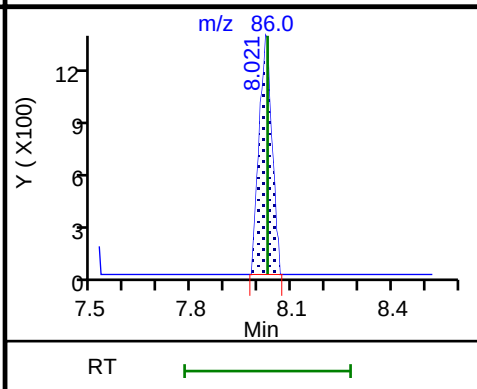
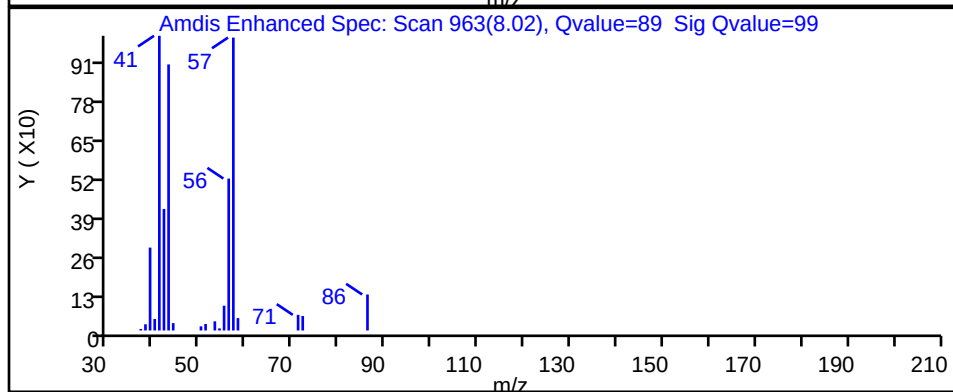
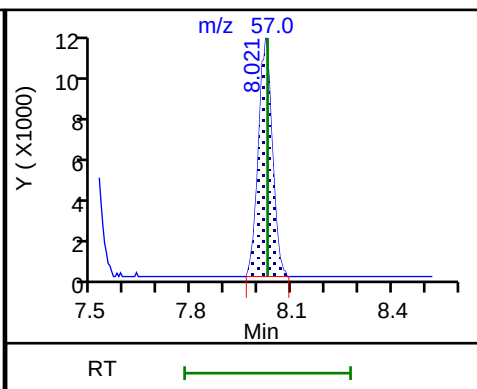
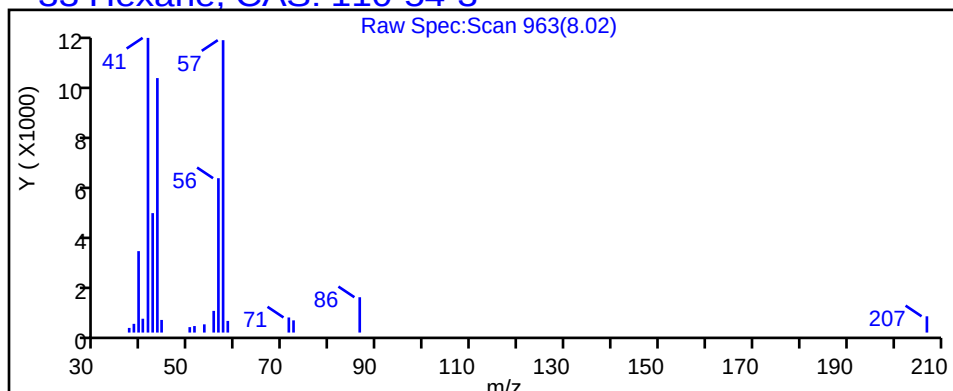
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

33 Hexane, CAS: 110-54-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

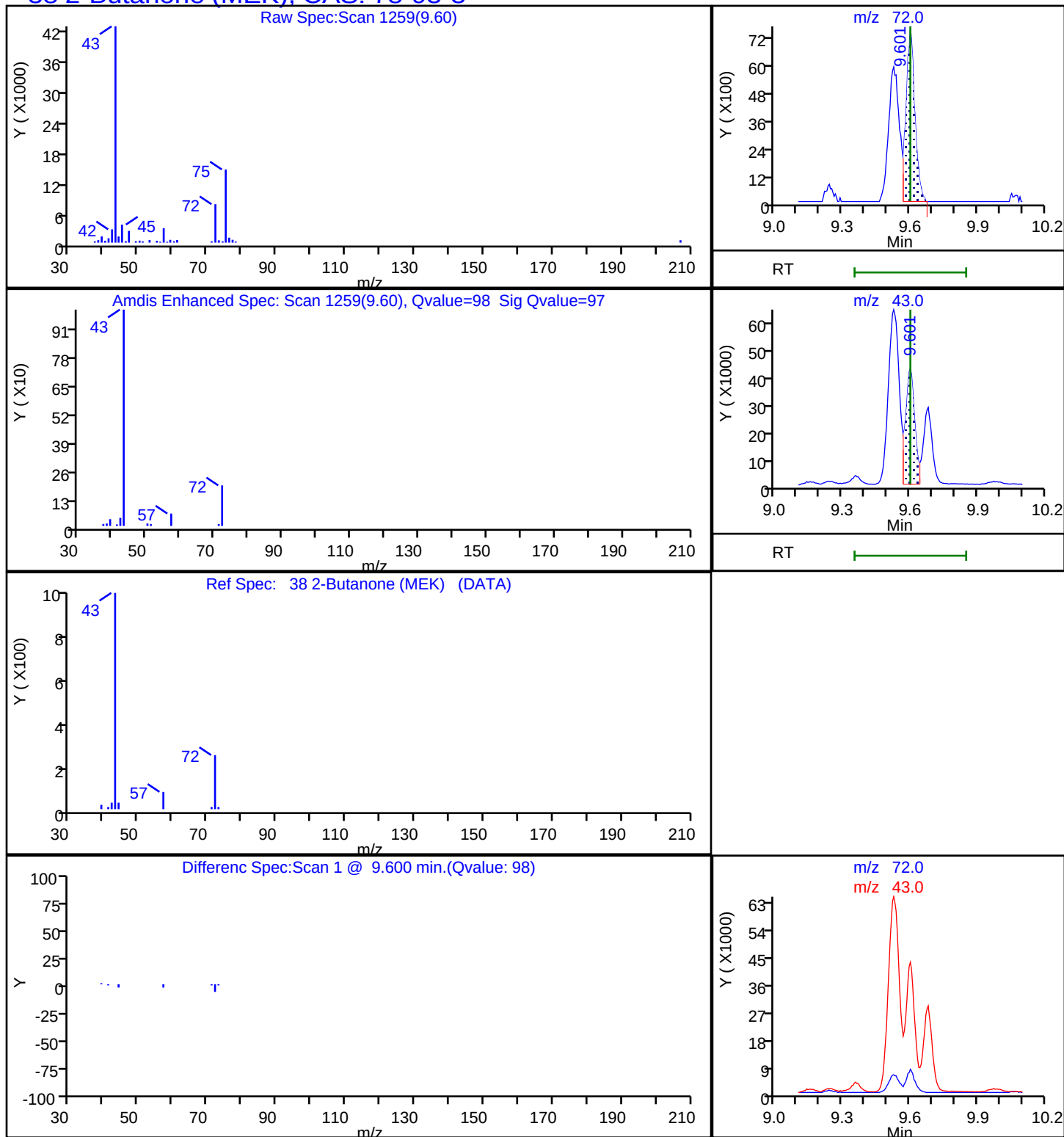
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

38 2-Butanone (MEK), CAS: 78-93-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

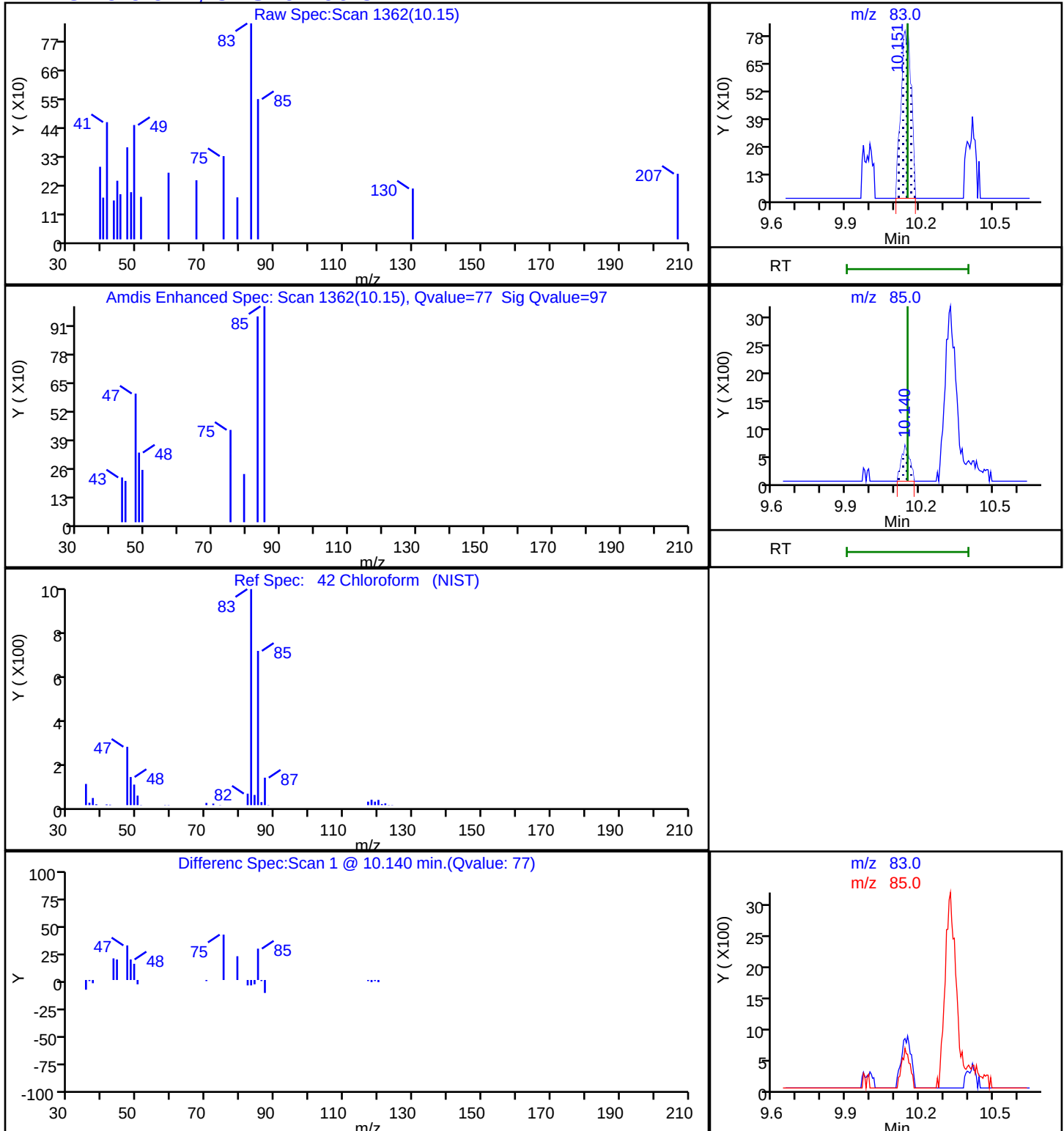
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

42 Chloroform, CAS: 67-66-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

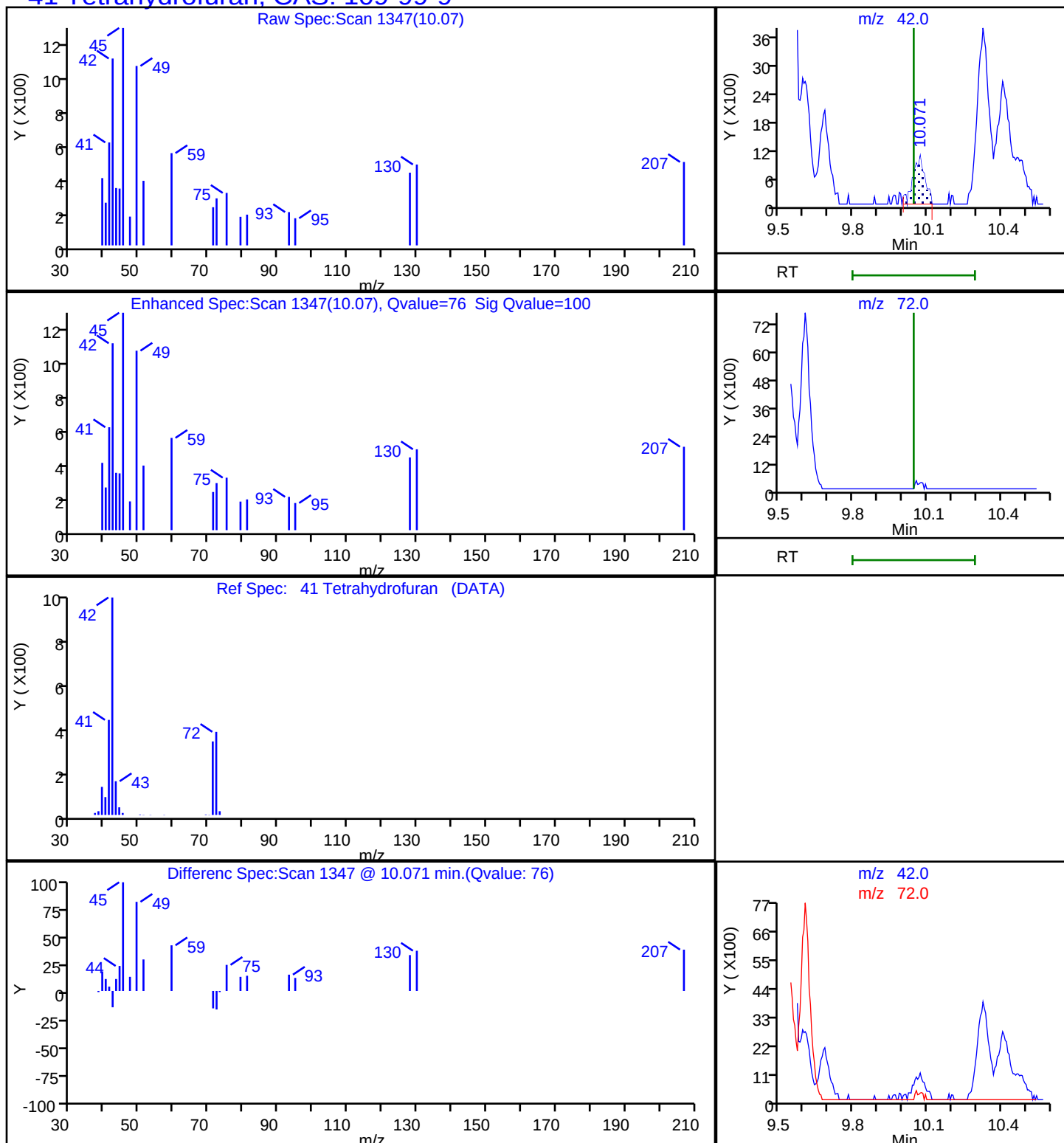
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

41 Tetrahydrofuran, CAS: 109-99-9

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

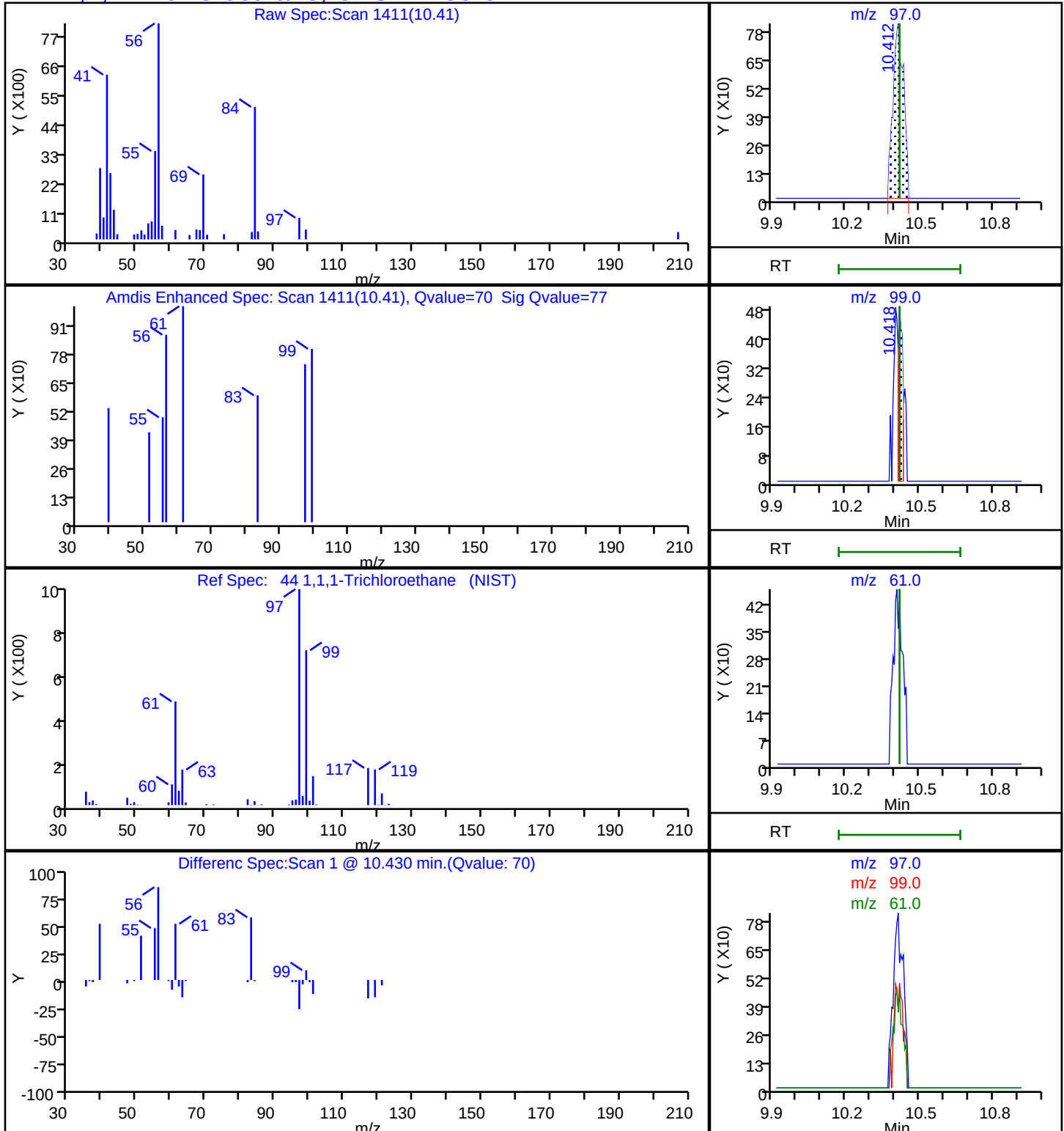
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

44 1,1,1-Trichloroethane, CAS: 71-55-6

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

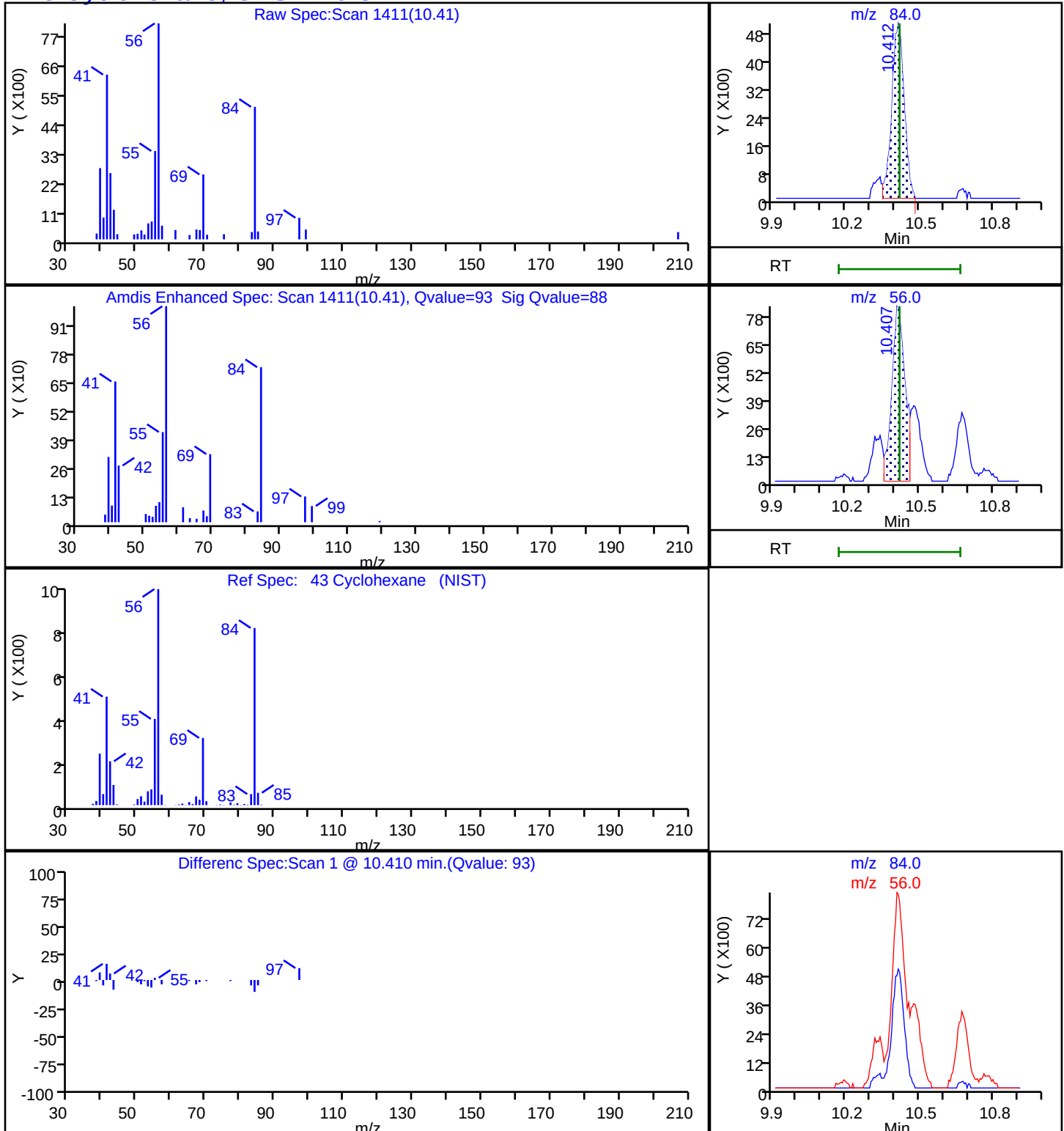
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

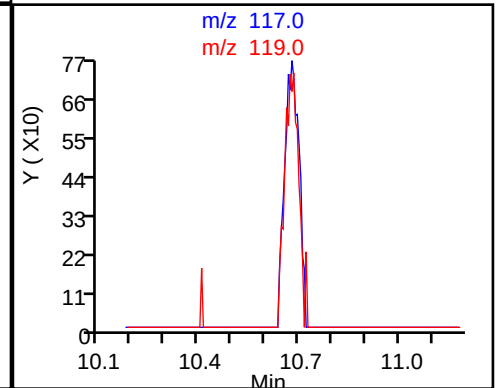
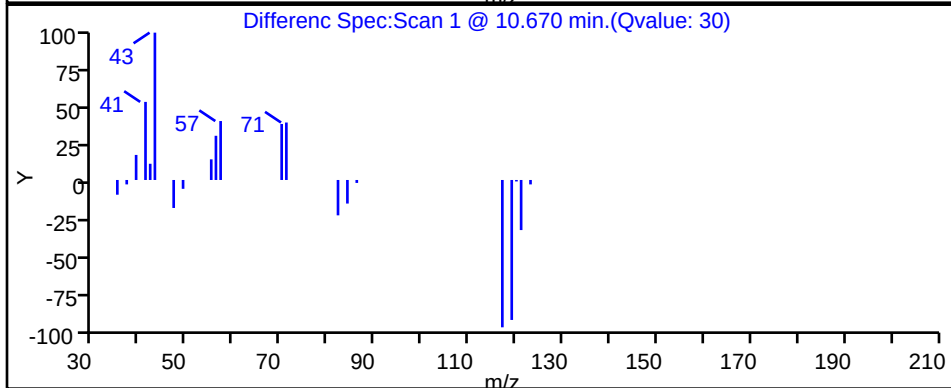
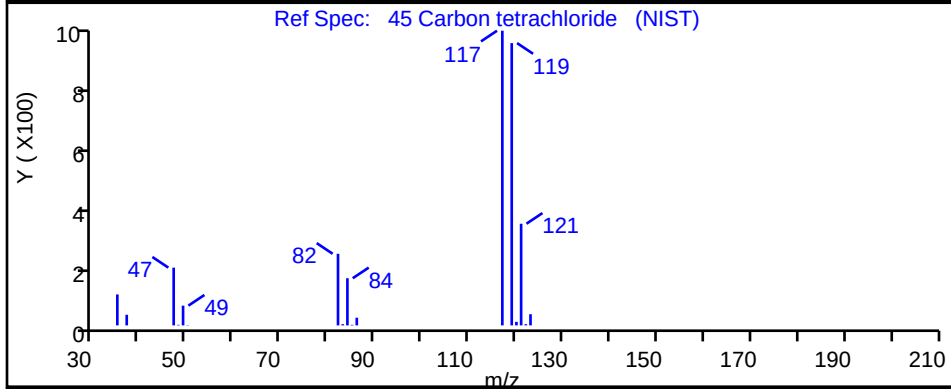
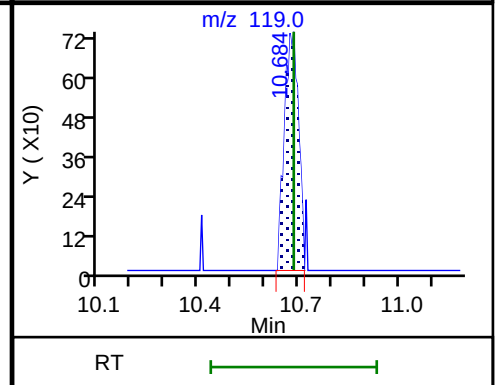
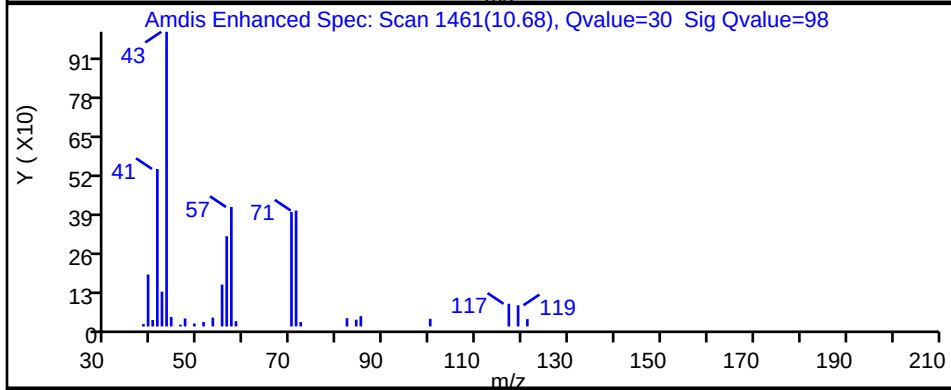
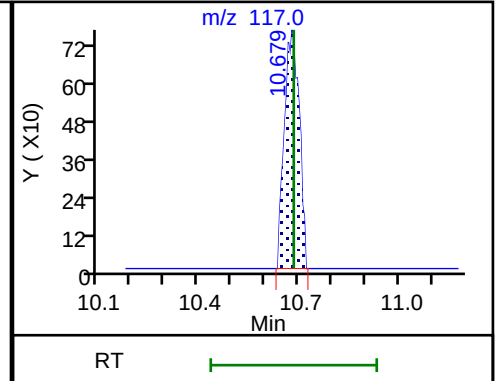
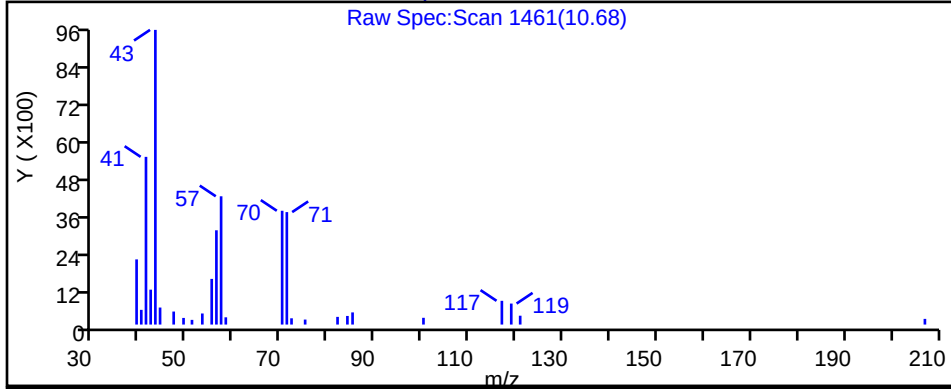
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

45 Carbon tetrachloride, CAS: 56-23-5

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

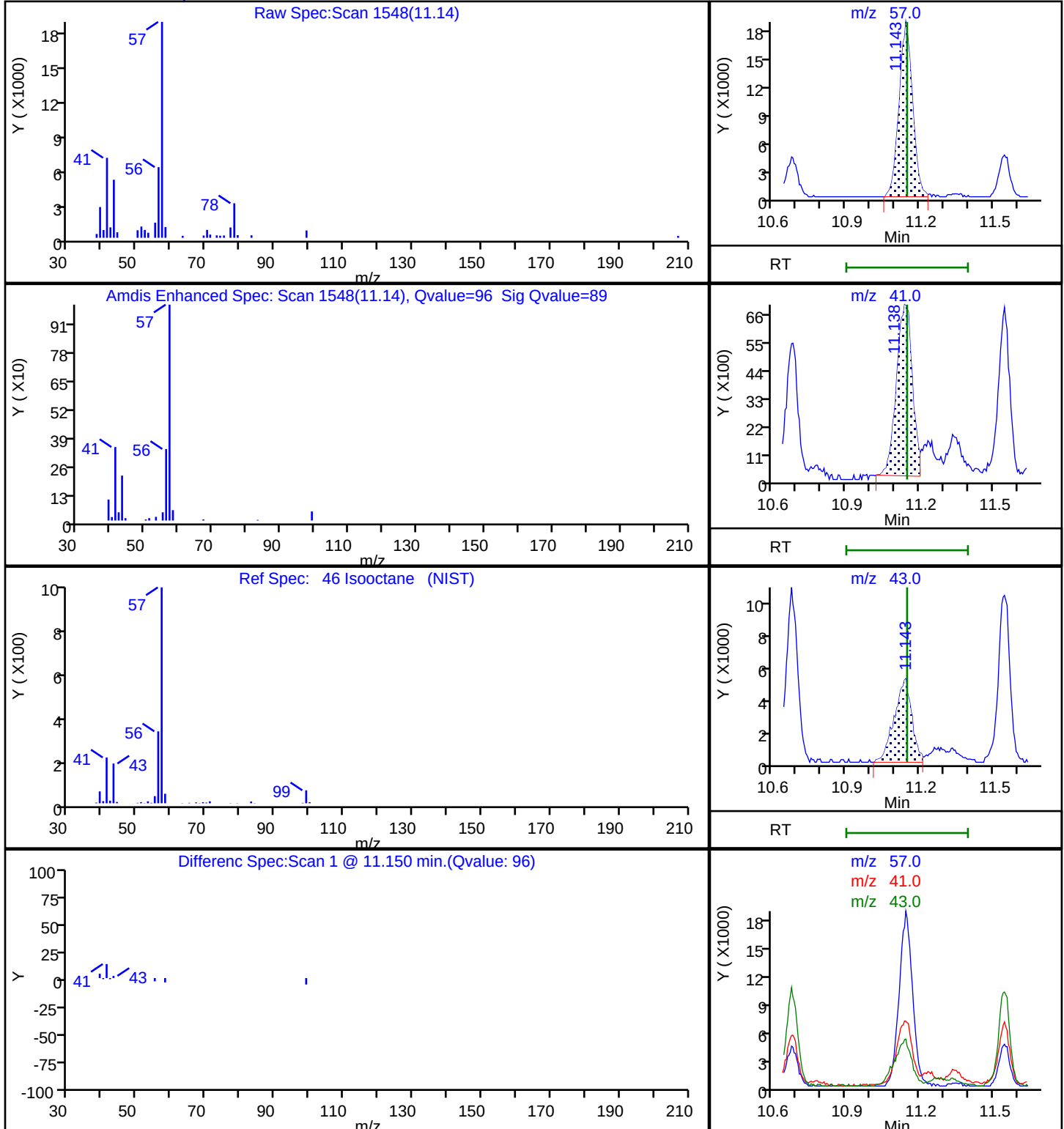
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

46 Isooctane, CAS: 540-84-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

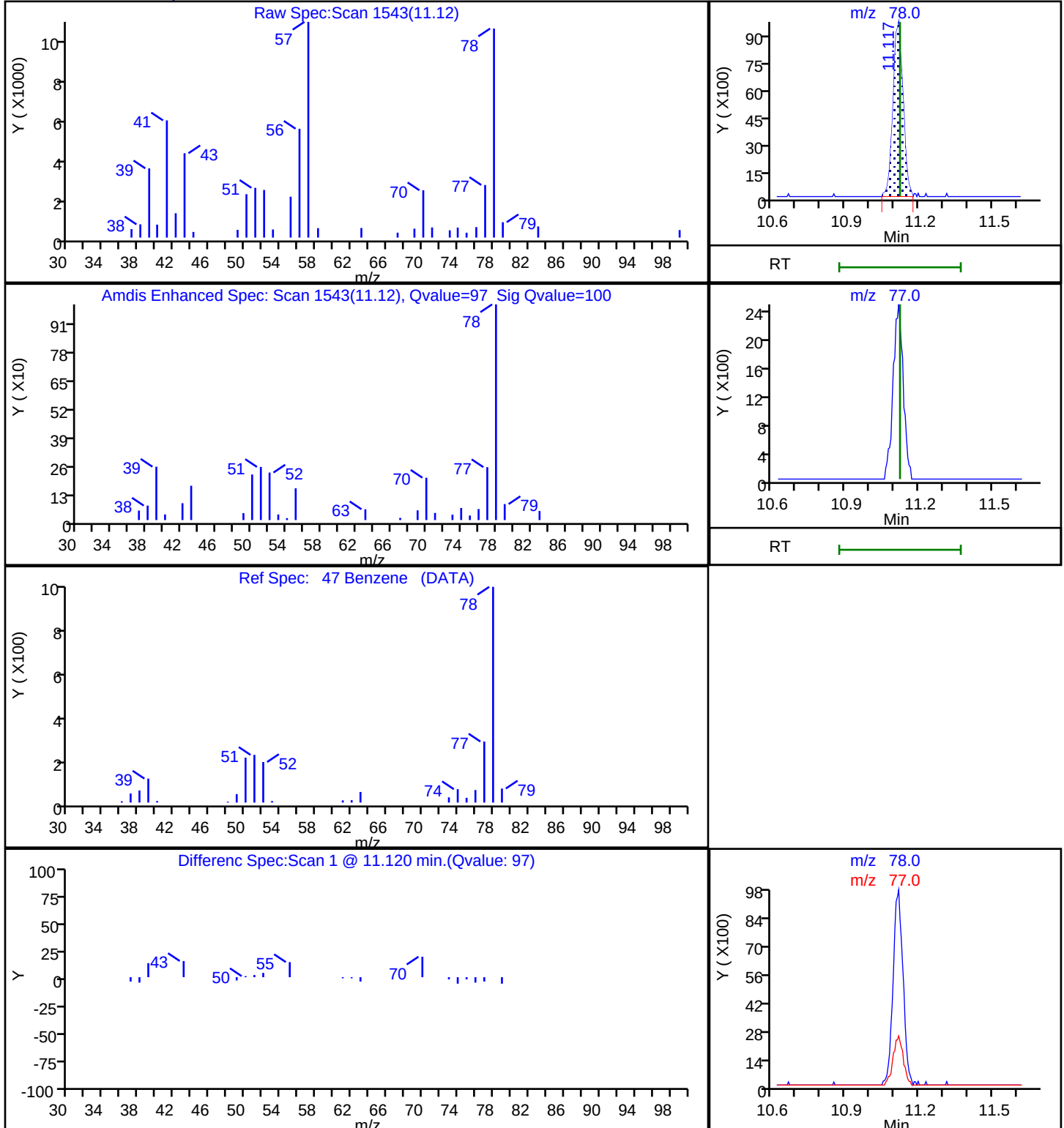
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

47 Benzene, CAS: 71-43-2

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

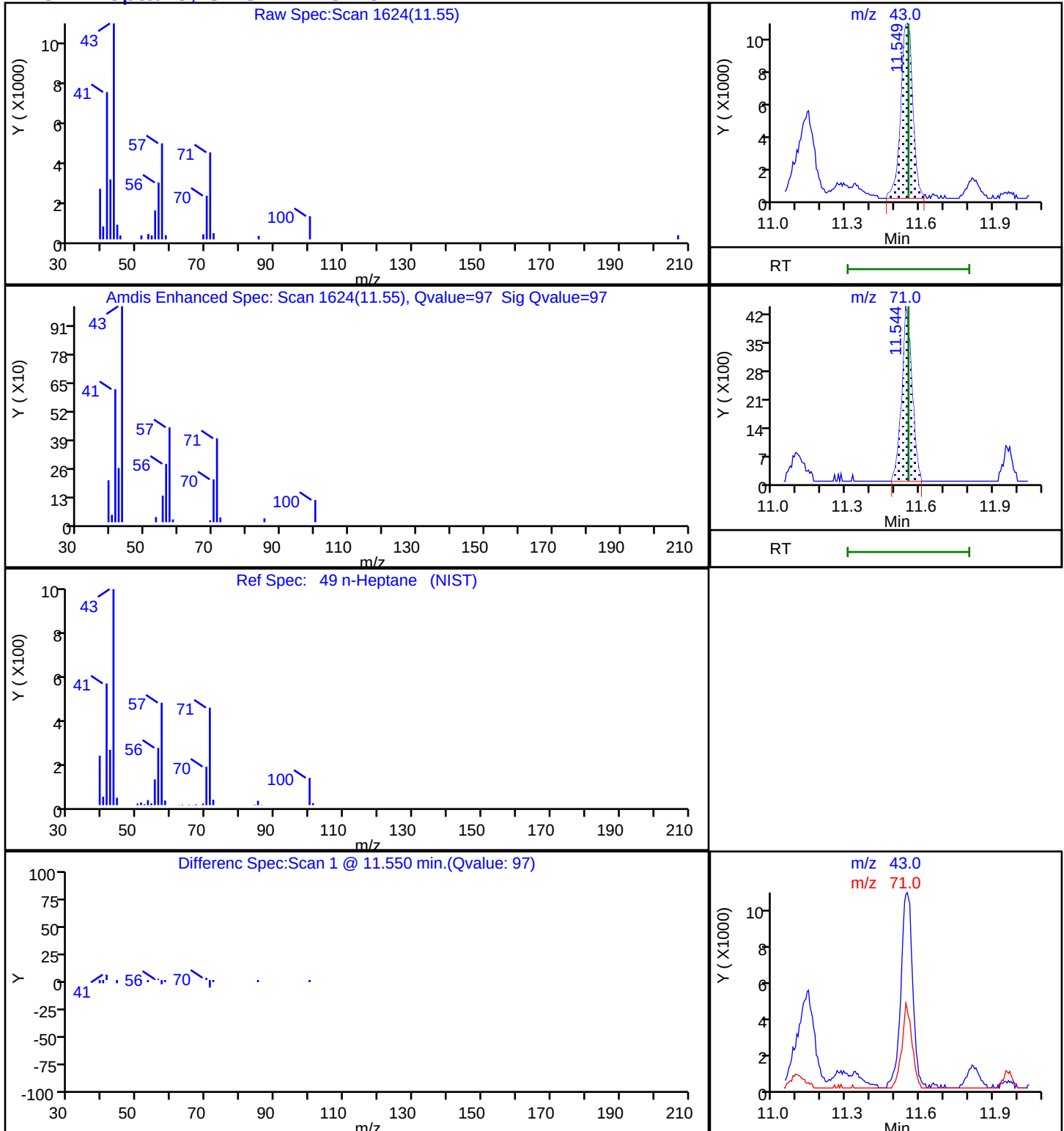
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

49 n-Heptane, CAS: 142-82-5

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

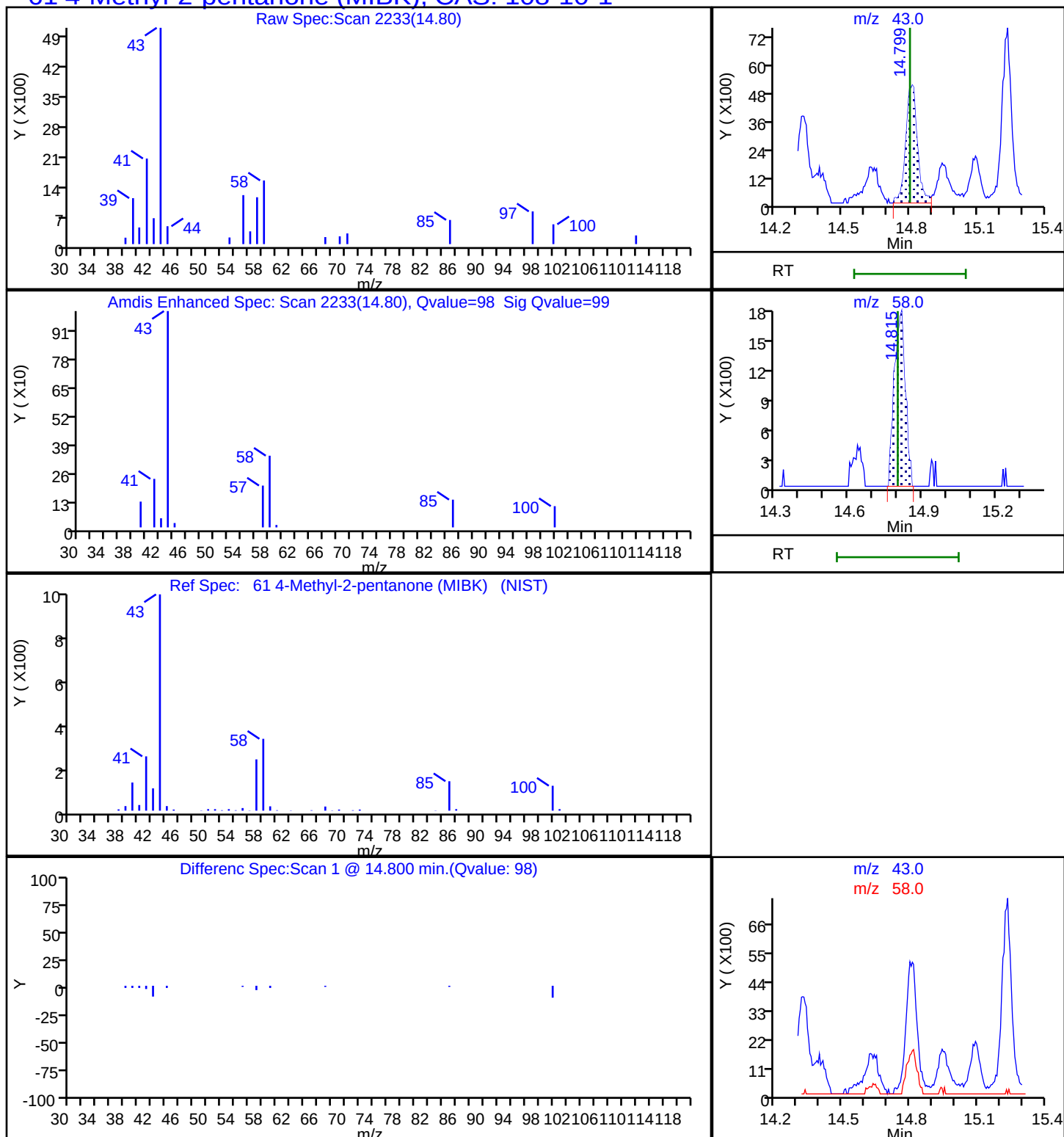
Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

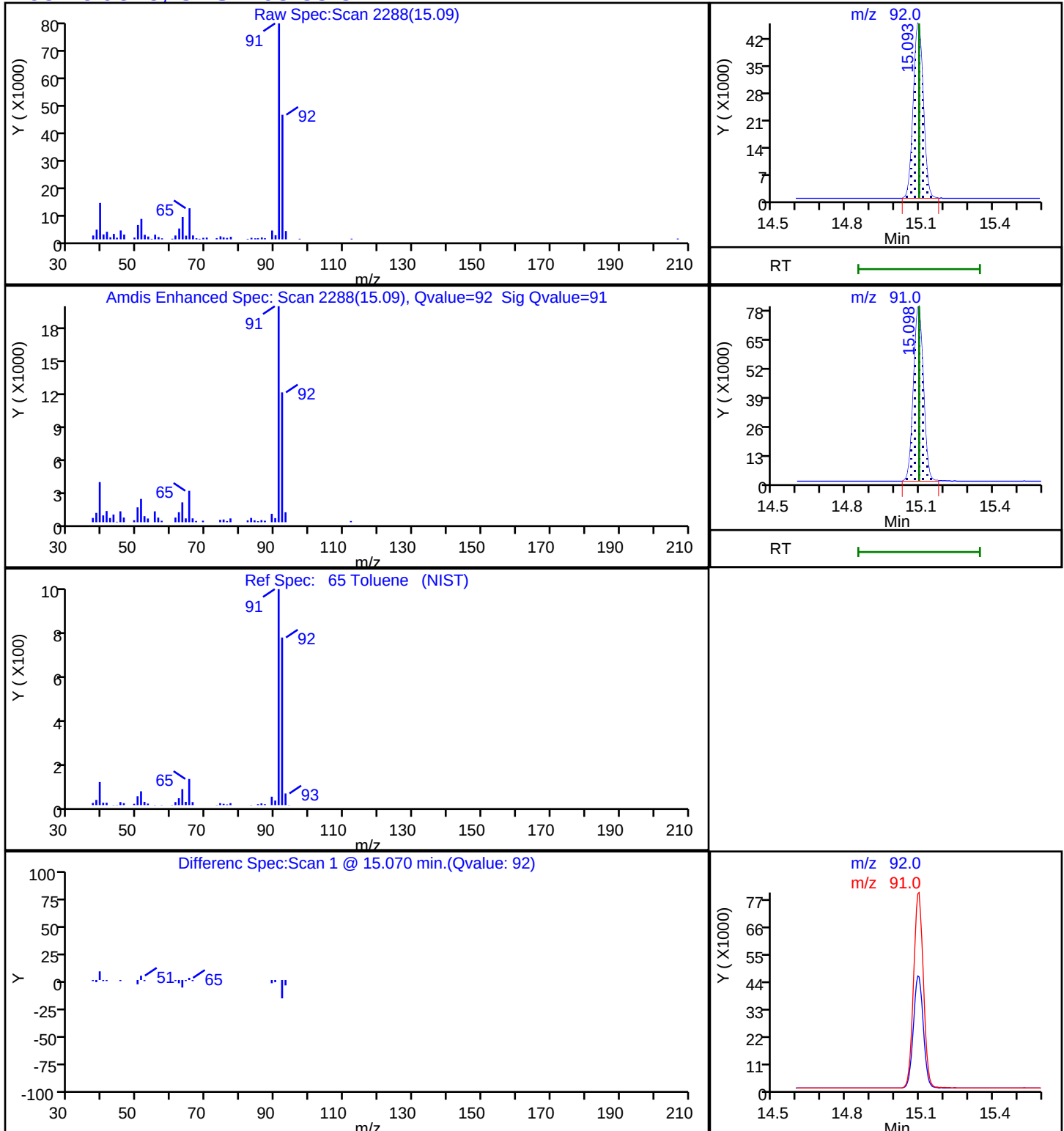
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

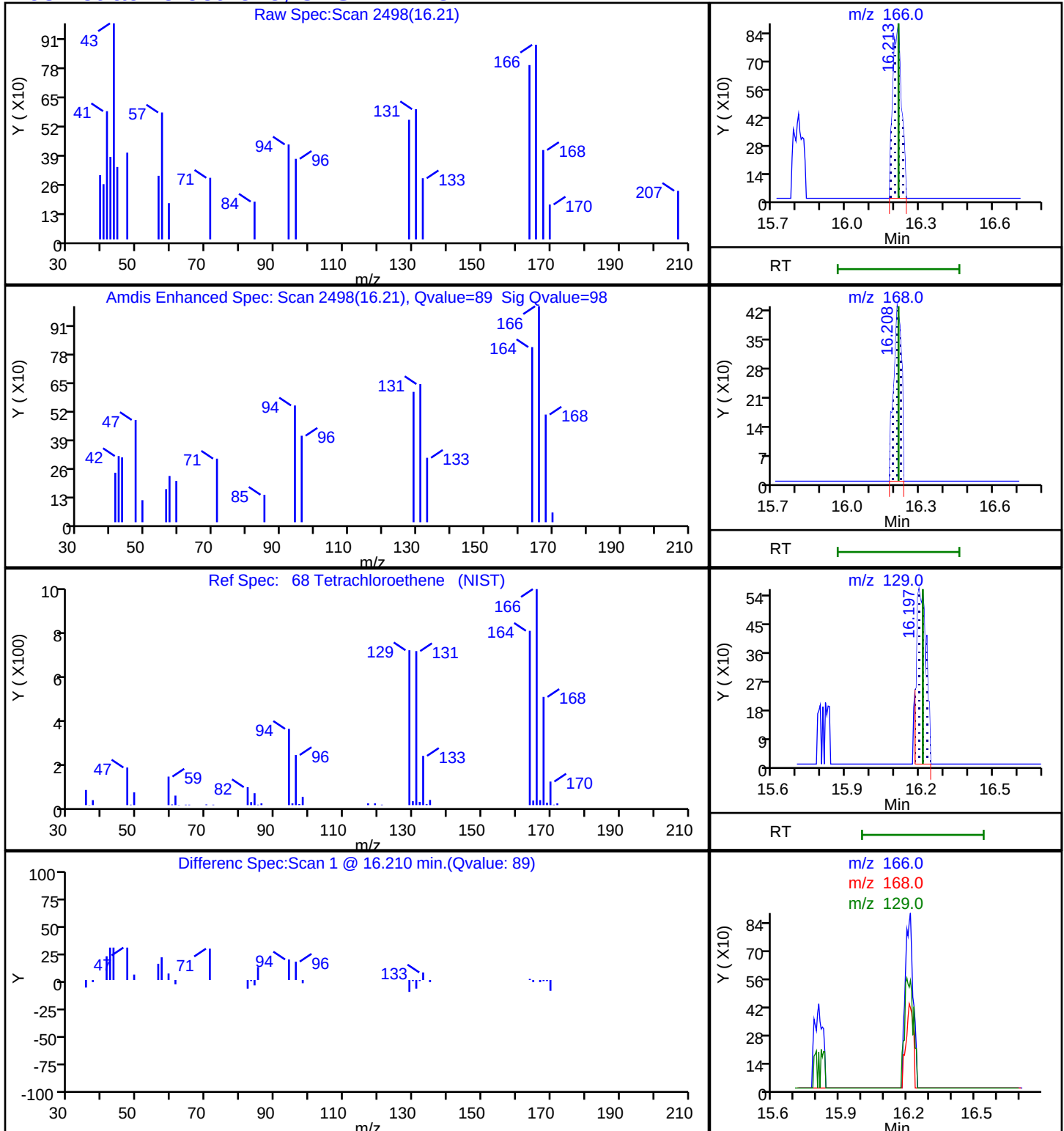
Column: RTX-624 (0.32 mm)

Detector: MS SCAN

65 Toluene, CAS: 108-88-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D
Injection Date: 21-Feb-2020 01:53:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-1 Lab Sample ID: 200-52685-1
Client ID: SS-SV-04-021420
Operator ID: ggg ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

68 Tetrachloroethene, CAS: 127-18-4

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

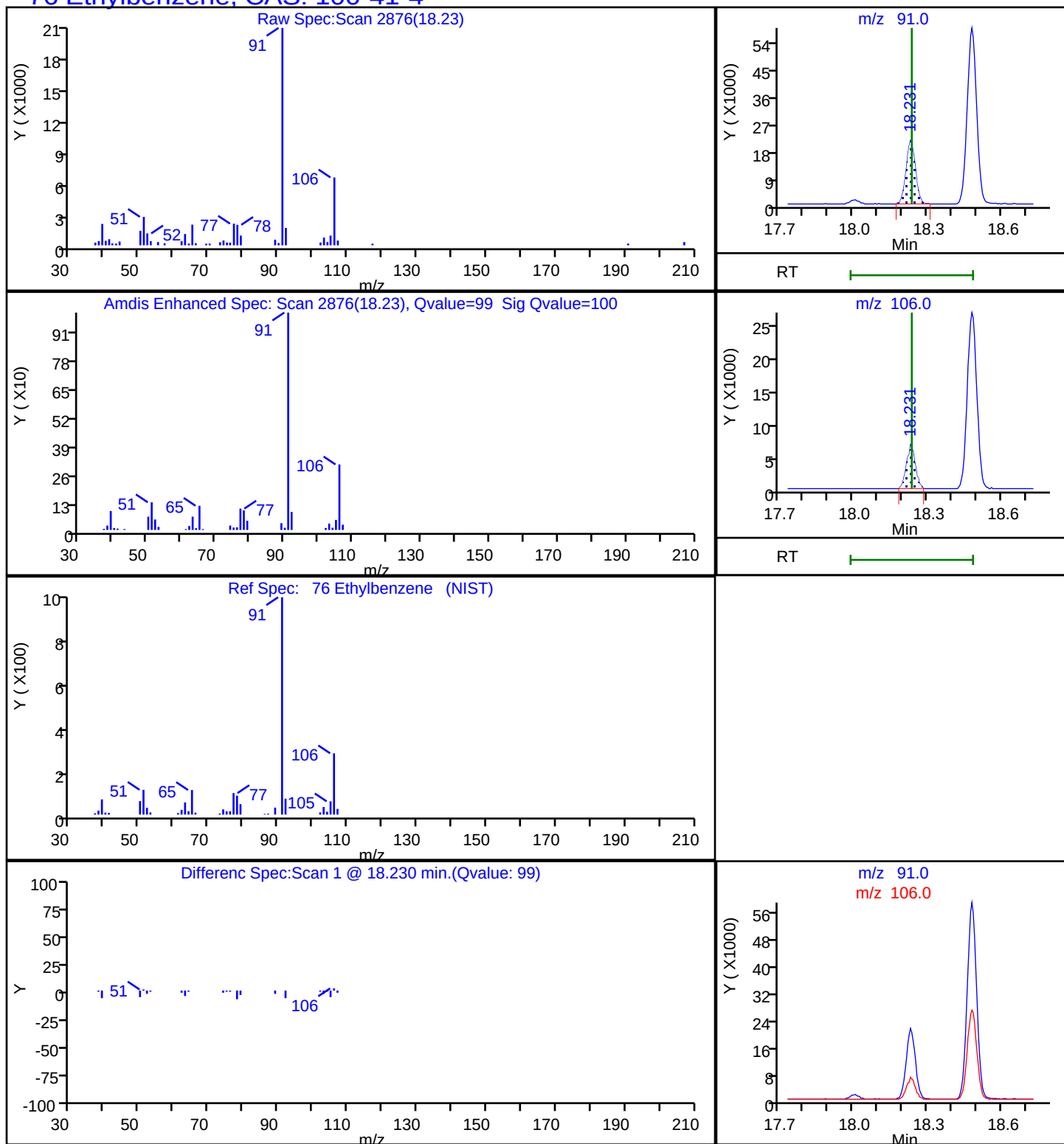
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 Ethylbenzene, CAS: 100-41-4

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

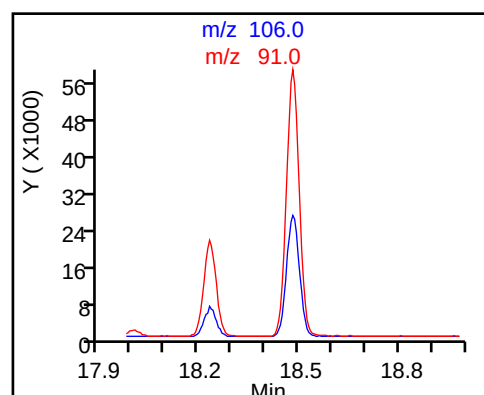
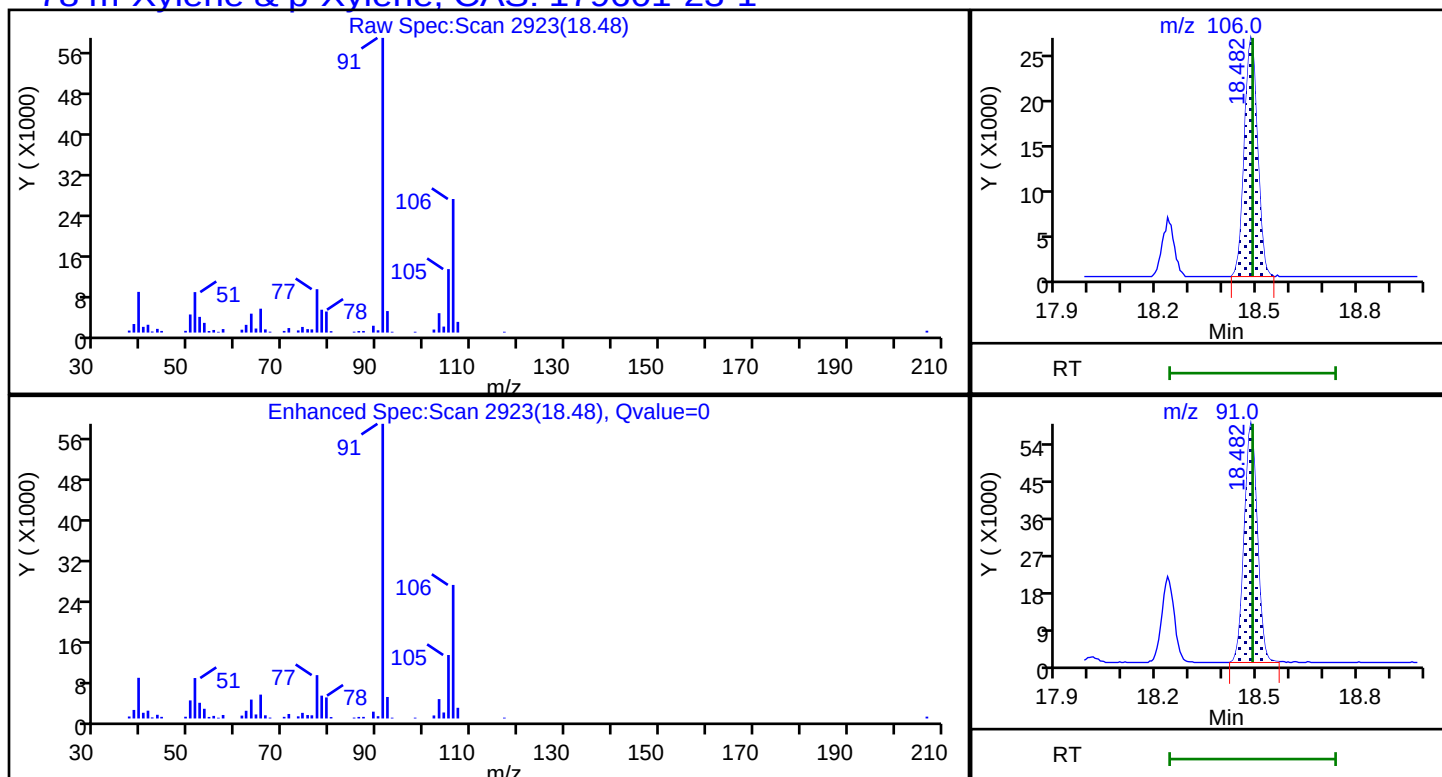
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

78 m-Xylene & p-Xylene, CAS: 179601-23-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

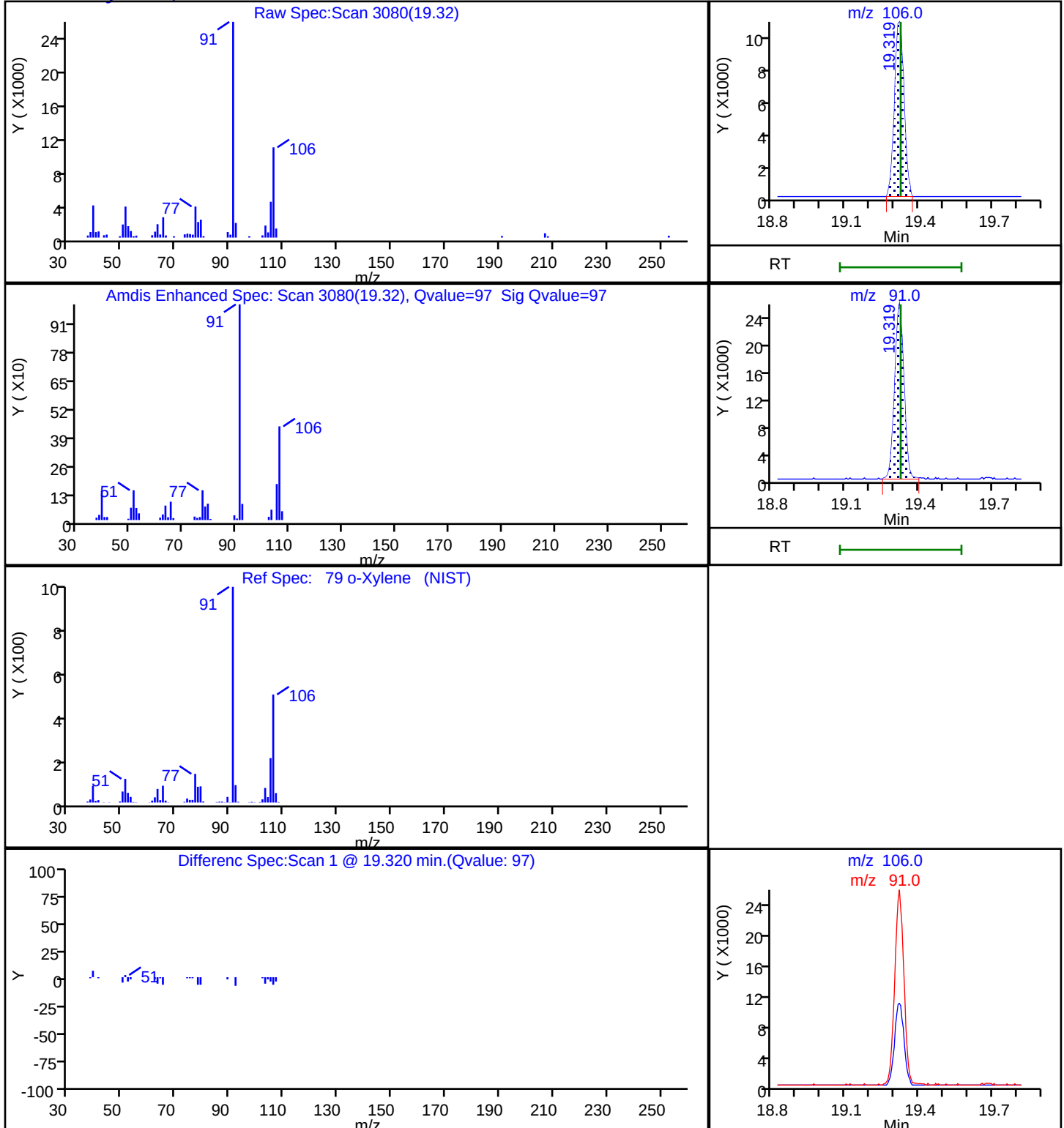
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

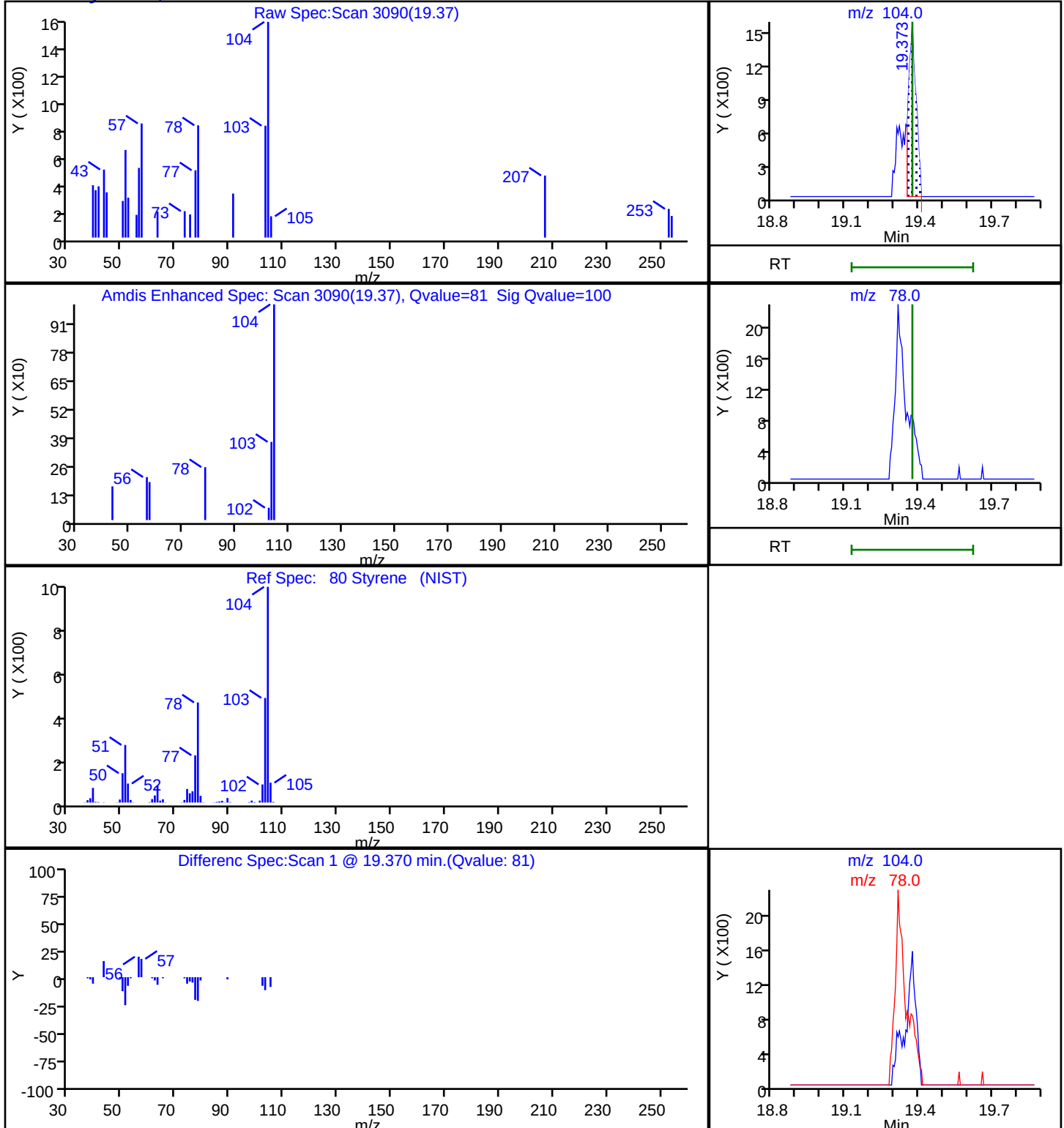
Column: RTX-624 (0.32 mm)

Detector: MS SCAN

79 o-Xylene, CAS: 95-47-6

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D
Injection Date: 21-Feb-2020 01:53:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-1 Lab Sample ID: 200-52685-1
Client ID: SS-SV-04-021420
Operator ID: ggg ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

80 Styrene, CAS: 100-42-5

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

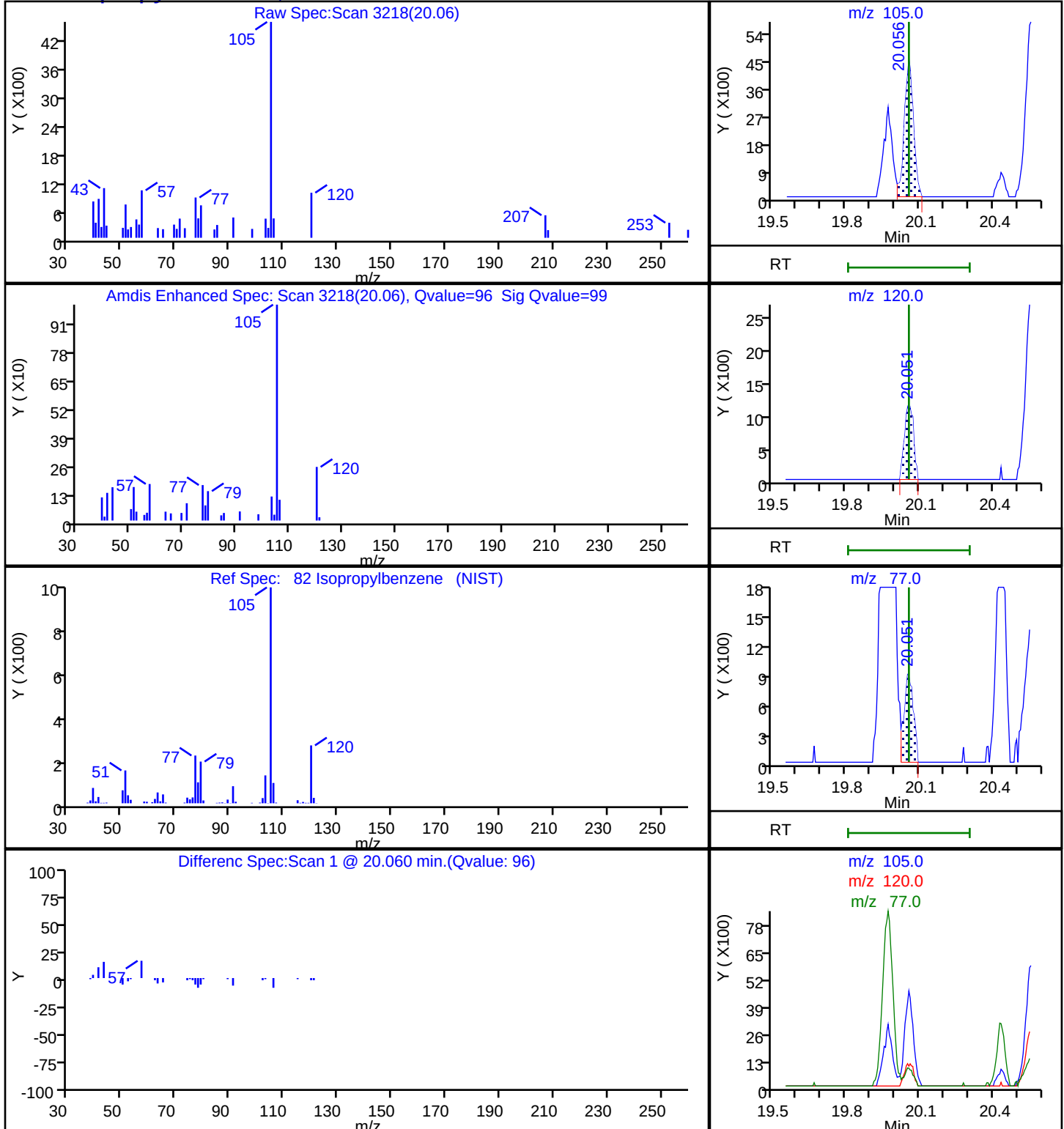
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

82 Isopropylbenzene, CAS: 98-82-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

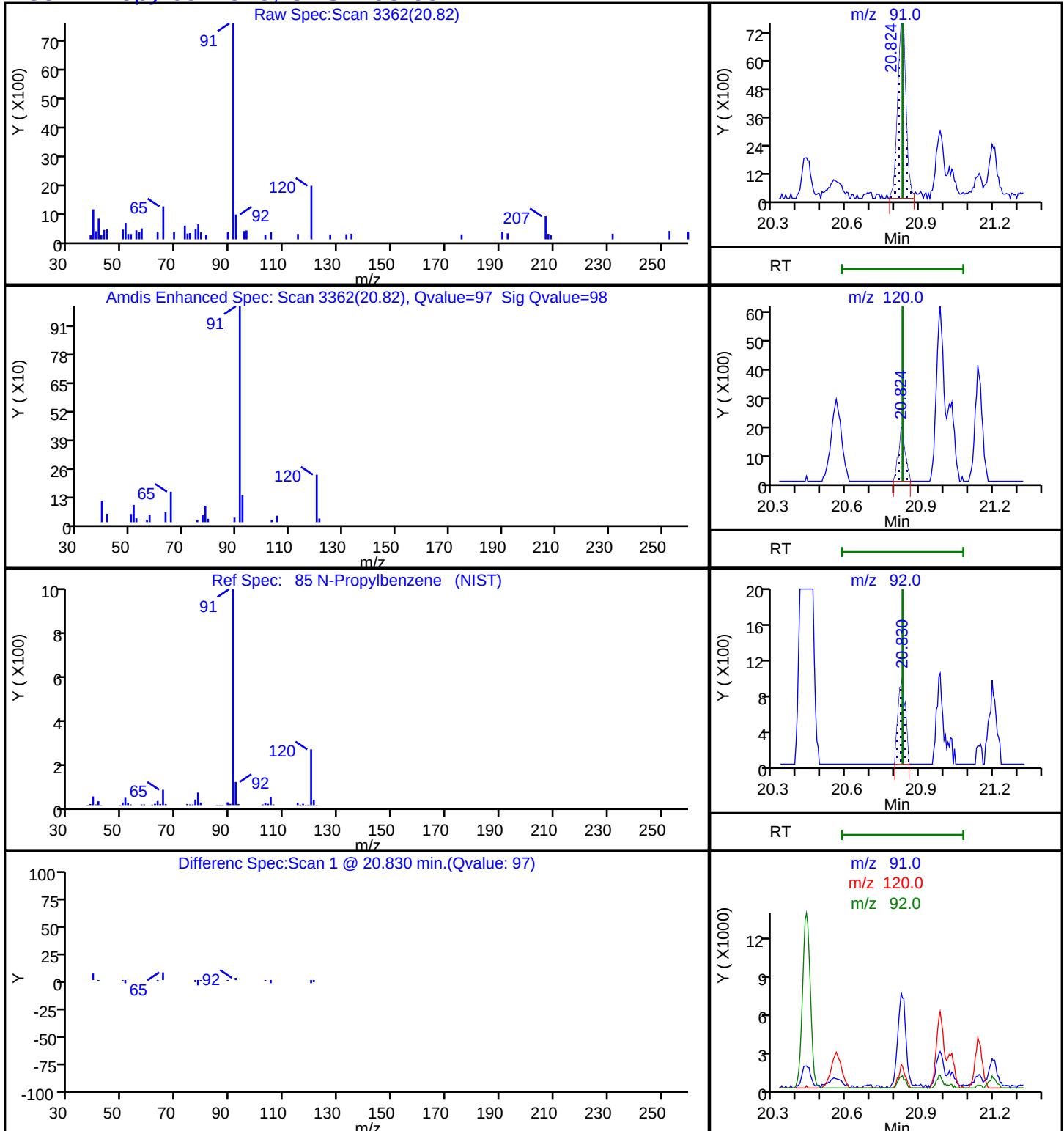
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

85 N-Propylbenzene, CAS: 103-65-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

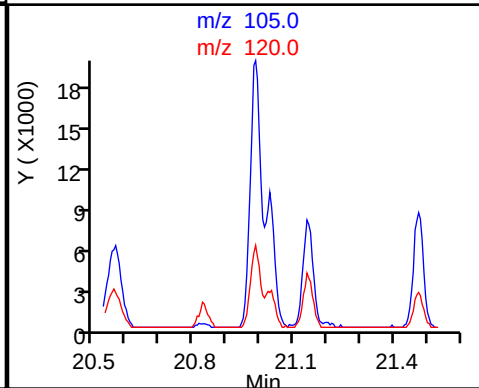
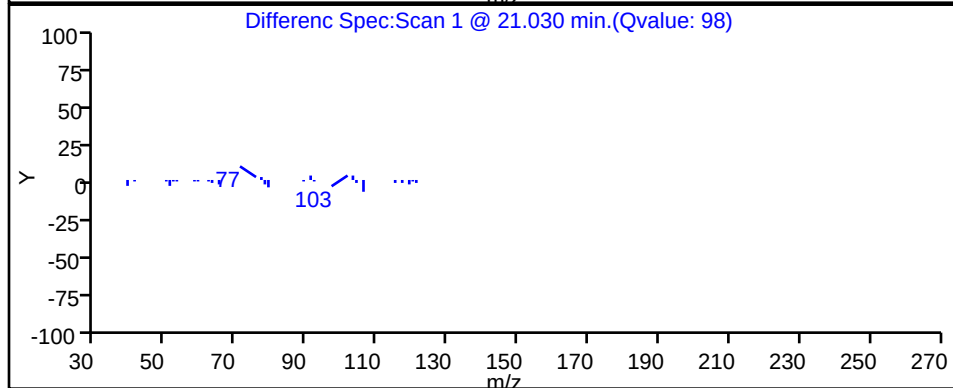
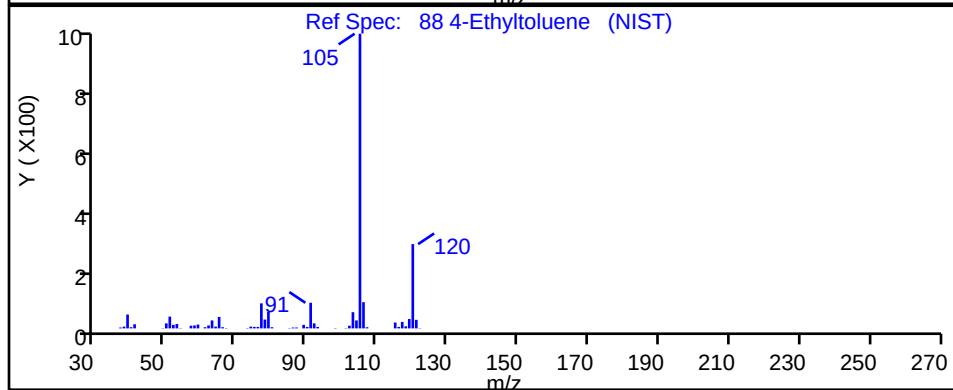
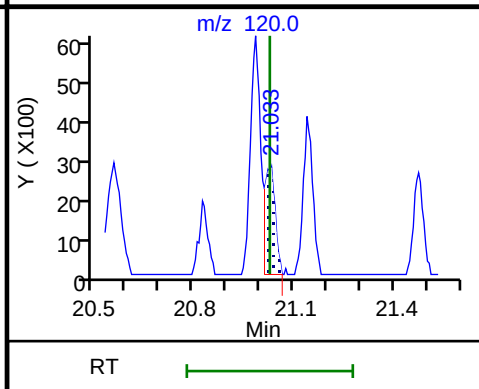
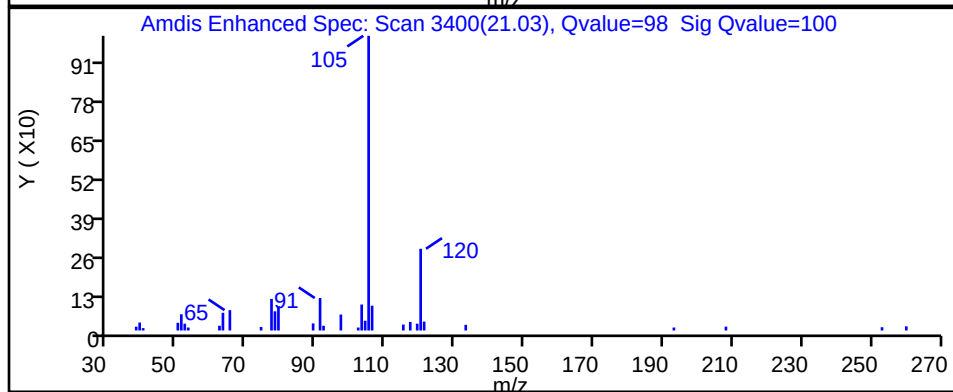
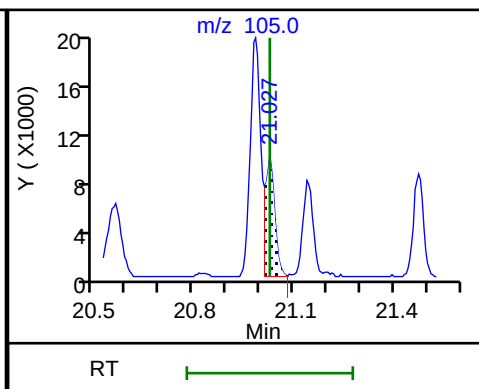
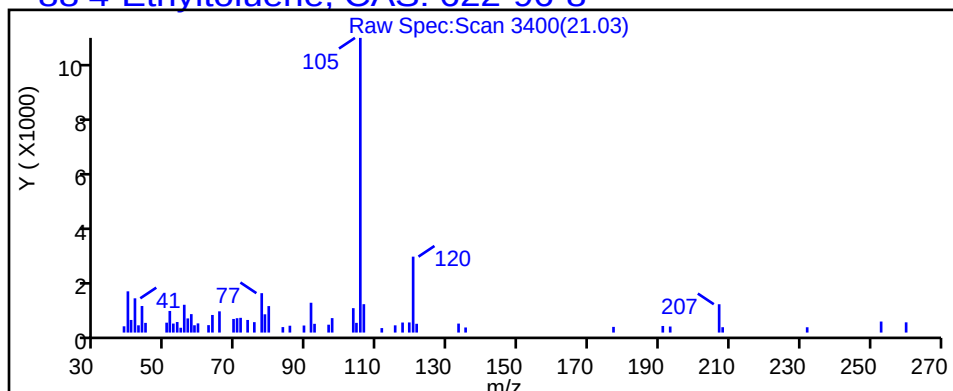
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

88 4-Ethyltoluene, CAS: 622-96-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

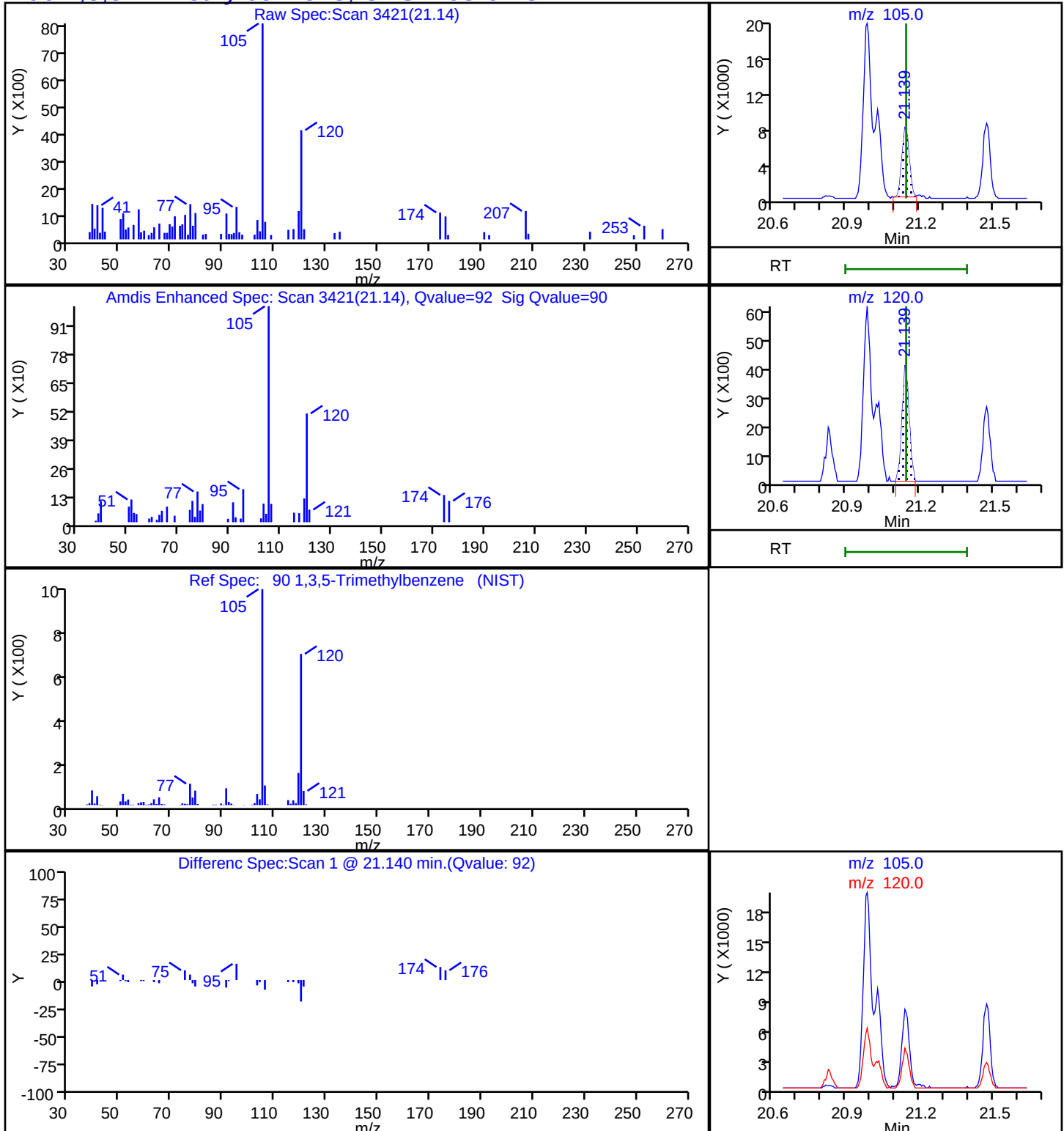
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

90 1,3,5-Trimethylbenzene, CAS: 108-67-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 200.000 mL

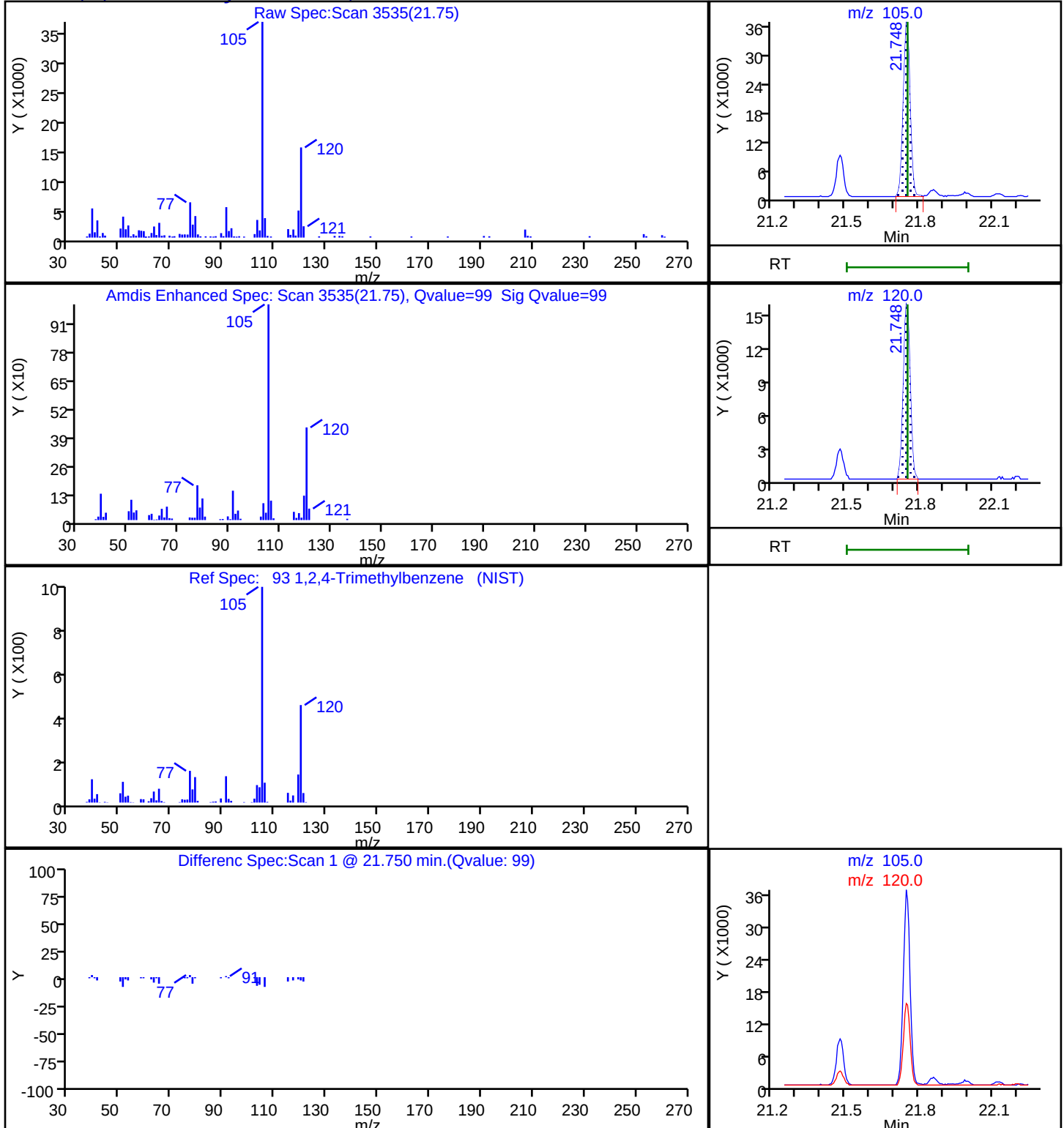
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

93 1,2,4-Trimethylbenzene, CAS: 95-63-6

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18 Worklist Smp#: 18

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

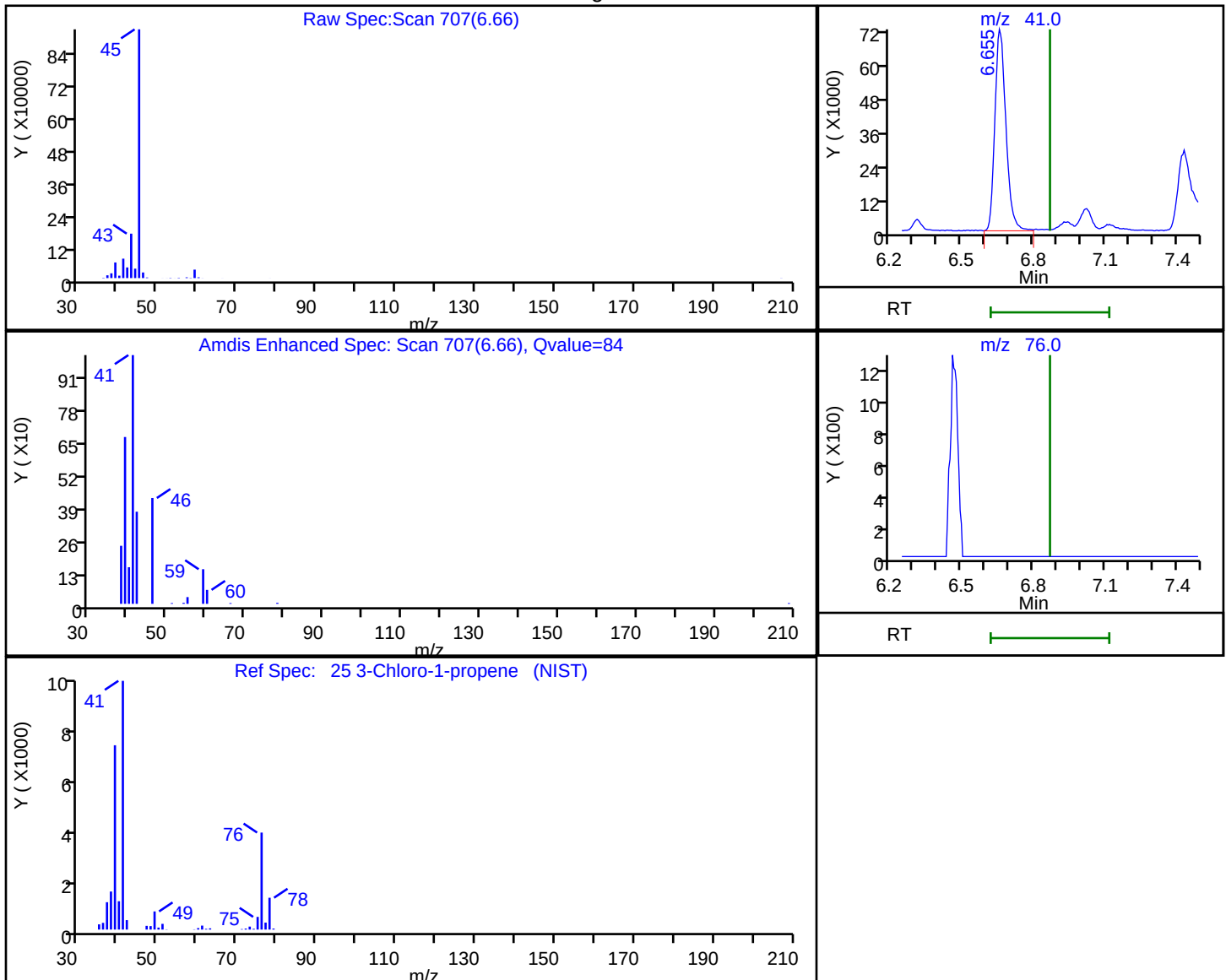
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

25 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
6.66	41.00	234894	7.486739
6.87	76.00	0	

Reviewer: bunmaa, 21-Feb-2020 14:40:08

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

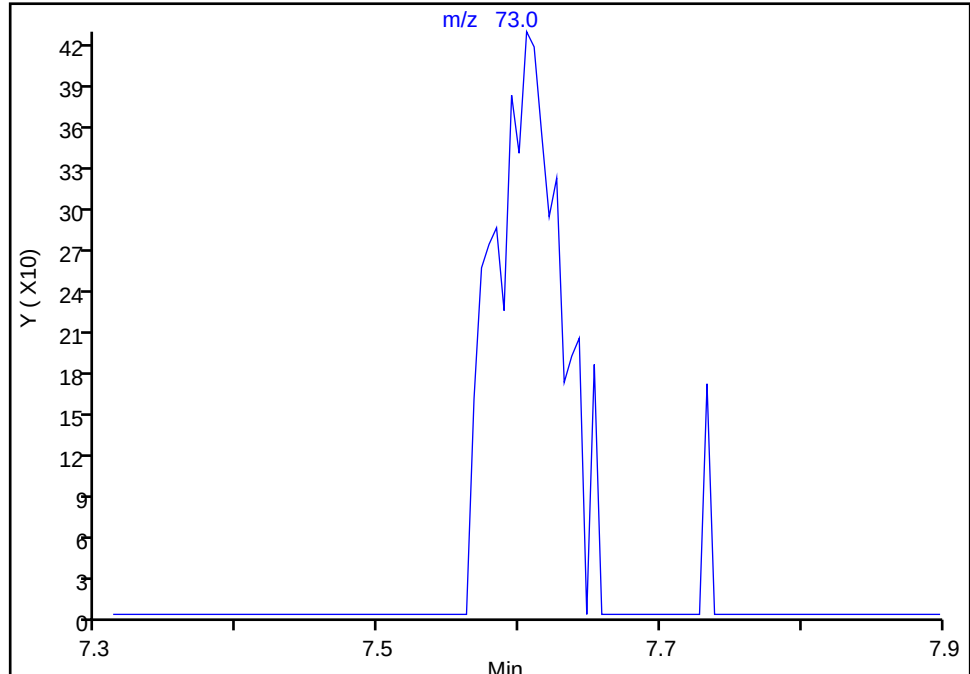
Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D
Injection Date: 21-Feb-2020 01:53:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-1 Lab Sample ID: 200-52685-1
Client ID: SS-SV-04-021420
Operator ID: ggg ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

29 Methyl tert-butyl ether, CAS: 1634-04-4

Signal: 1

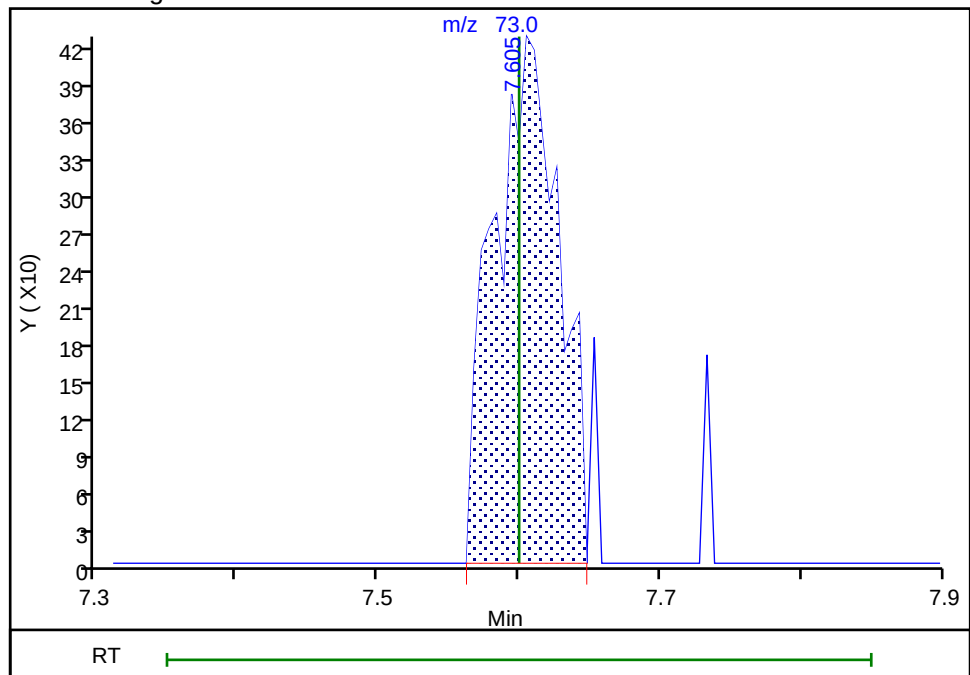
Not Detected
Expected RT: 7.60

Processing Integration Results



RT: 7.60
Area: 1353
Amount: 0.026208
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 14:41:05

Audit Action: Manually Integrated

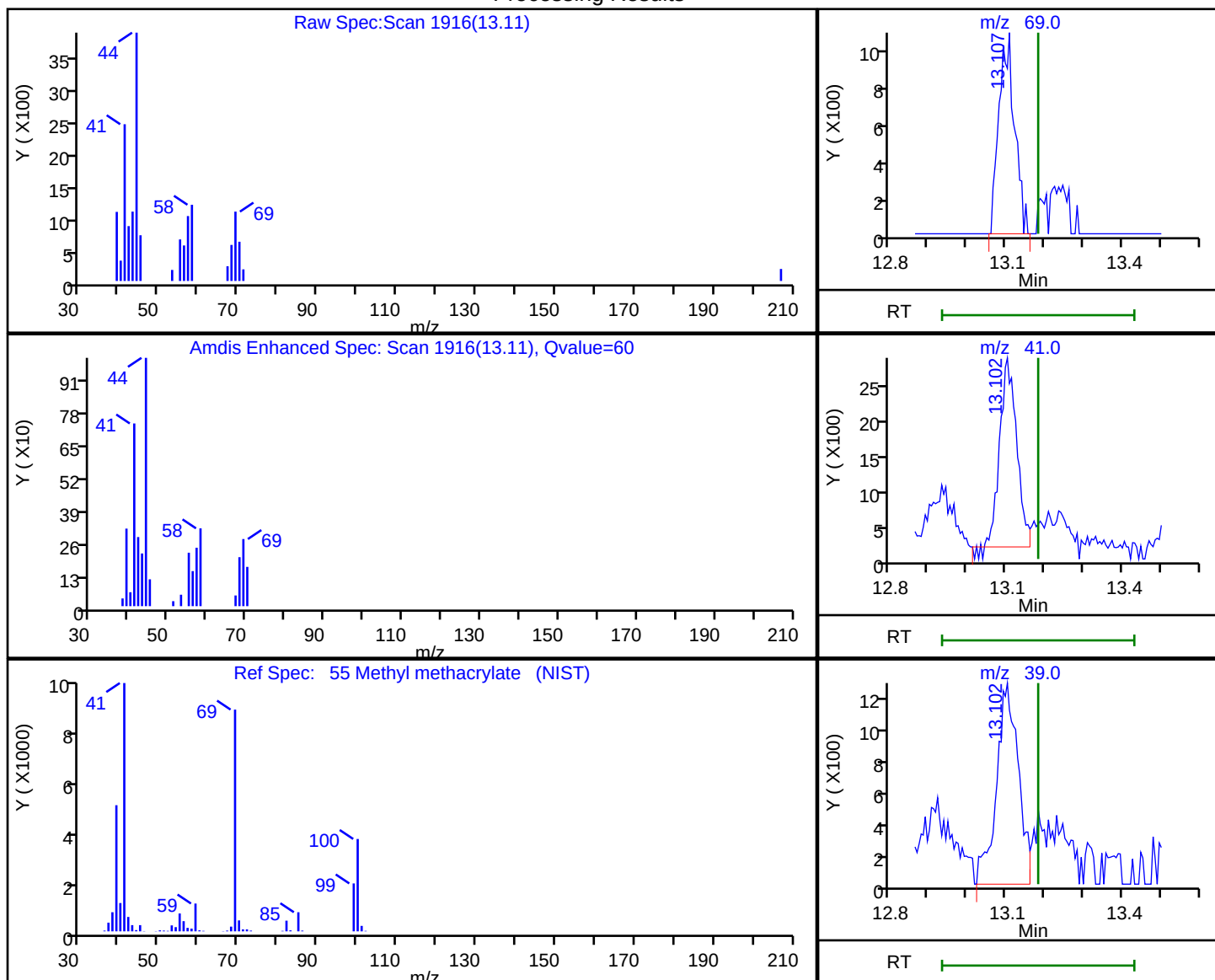
Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D
Injection Date: 21-Feb-2020 01:53:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-1 Lab Sample ID: 200-52685-1
Client ID: SS-SV-04-021420
Operator ID: ggg ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

55 Methyl methacrylate, CAS: 80-62-6

Processing Results



RT	Mass	Response	Amount
13.11	69.00	3053	0.113991
13.10	41.00	7986	
13.10	39.00	4909	

Reviewer: bourdeaut, 21-Feb-2020 08:01:38

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18 Worklist Smp#: 18

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

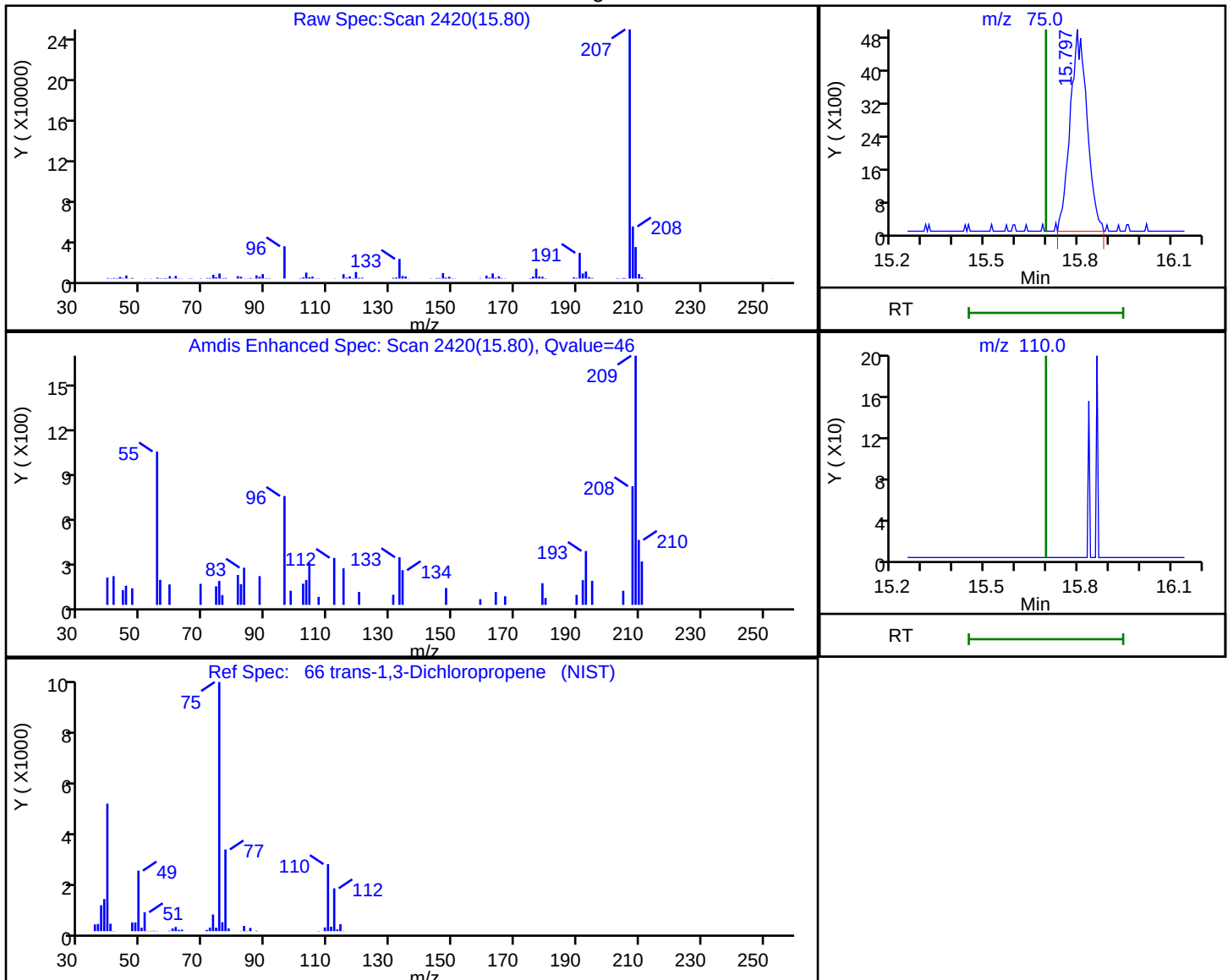
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

66 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
15.80	75.00	18738	0.435026
15.70	110.00	0	

Reviewer: bunmaa, 21-Feb-2020 14:42:43

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

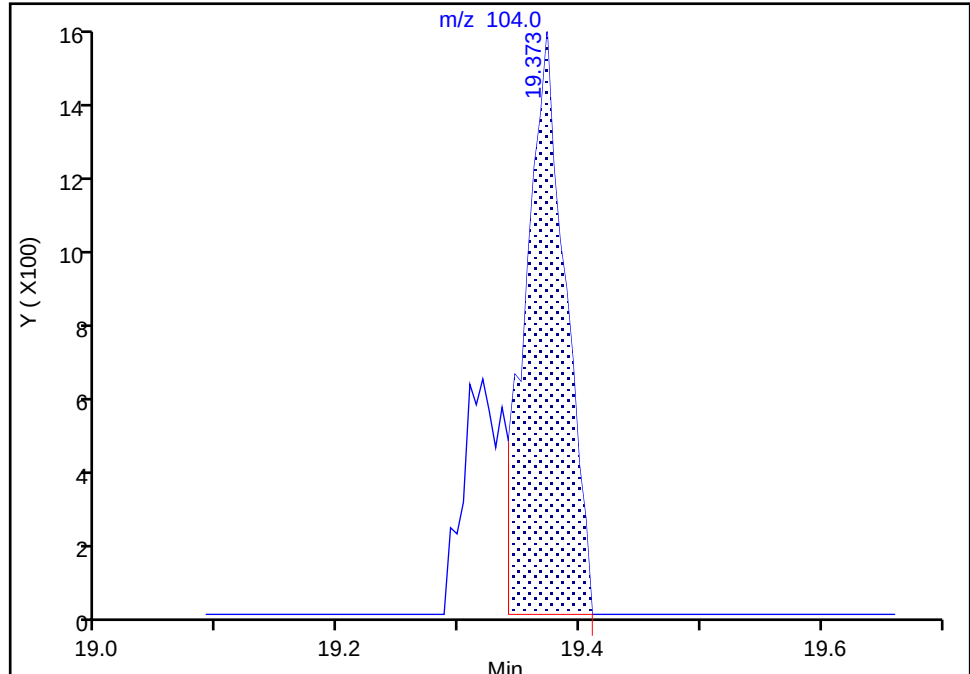
Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D
Injection Date: 21-Feb-2020 01:53:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-1 Lab Sample ID: 200-52685-1
Client ID: SS-SV-04-021420
Operator ID: ggg ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

80 Styrene, CAS: 100-42-5

Signal: 1

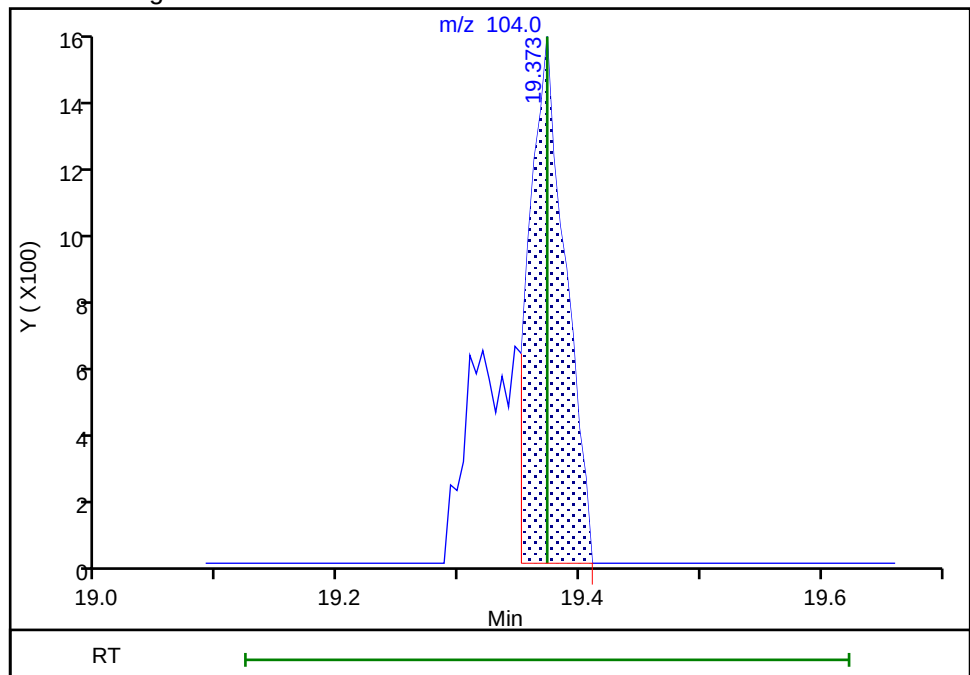
RT: 19.37
Area: 3491
Amount: 0.058610
Amount Units: ppb v/v

Processing Integration Results



RT: 19.37
Area: 3145
Amount: 0.052801
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 14:43:34

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18 Worklist Smp#: 18

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

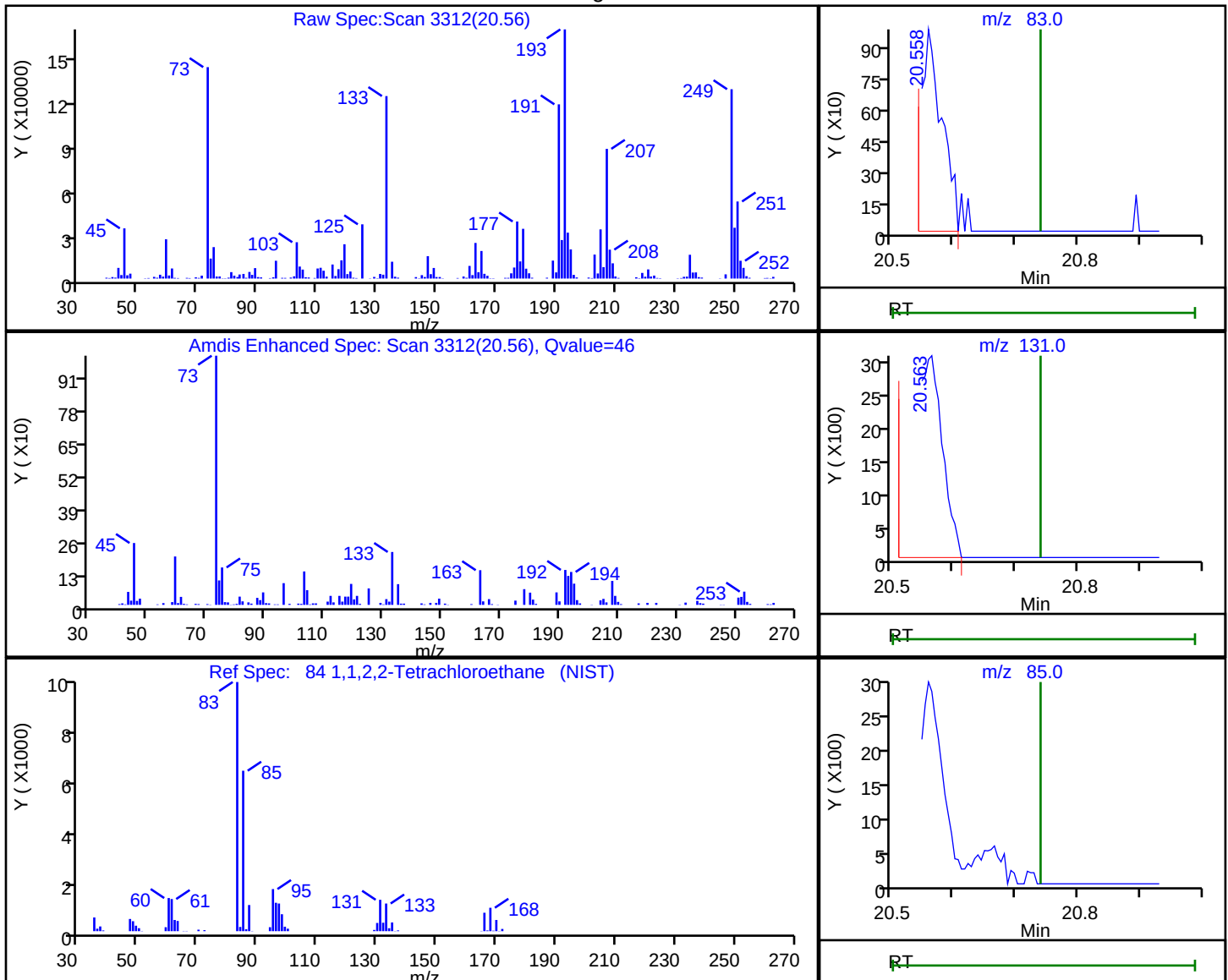
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

84 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
20.56	83.00	2104	0.033165
20.56	131.00	9050	
20.56	85.00	8984	

Reviewer: bunmaa, 21-Feb-2020 14:43:47

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18 Worklist Smp#: 18

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

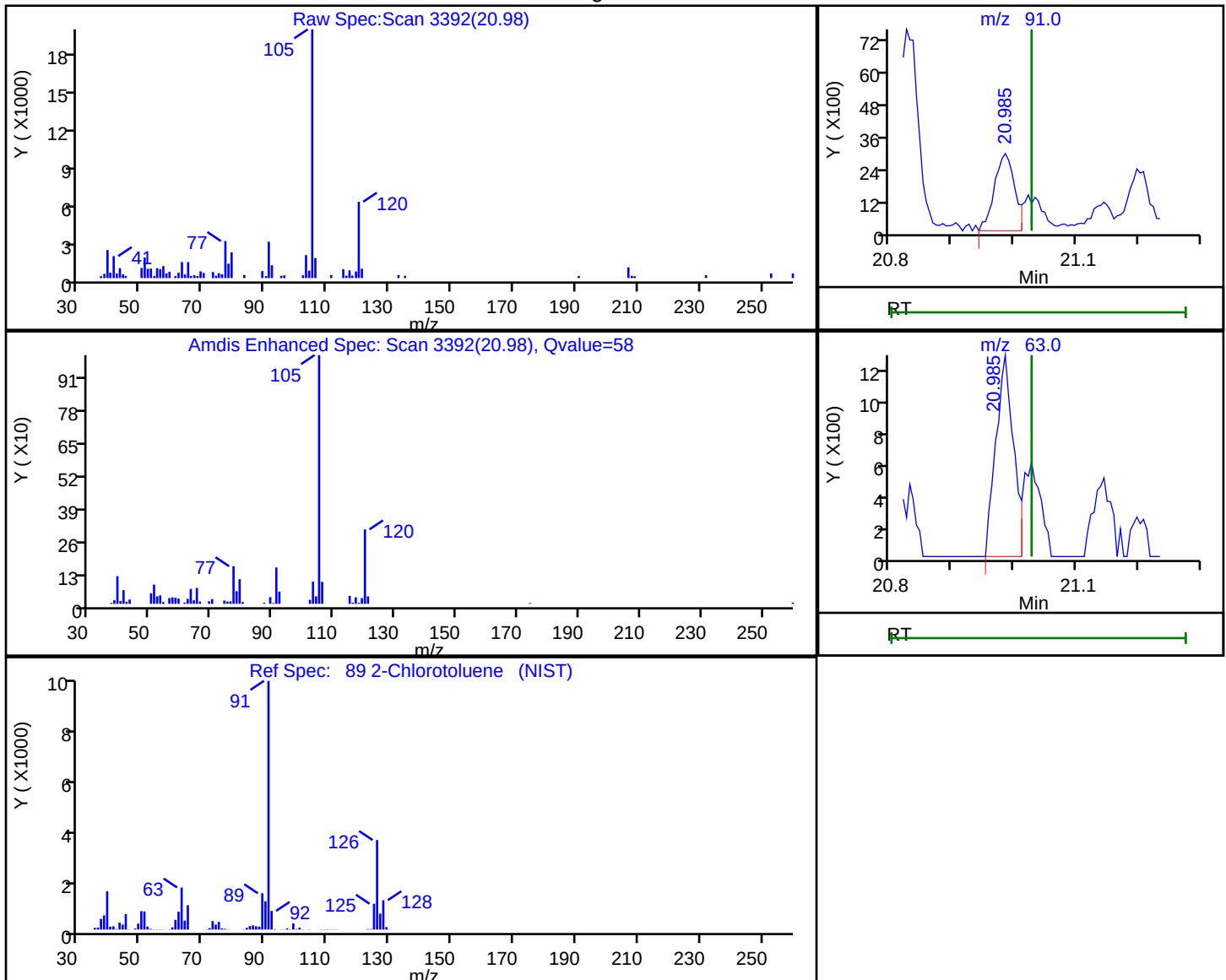
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

89 2-Chlorotoluene, CAS: 95-49-8

Processing Results



RT	Mass	Response	Amount
20.98	91.00	6649	0.062957
20.98	63.00	2556	

Reviewer: bunmaa, 21-Feb-2020 14:44:04

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18 Worklist Smp#: 18

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

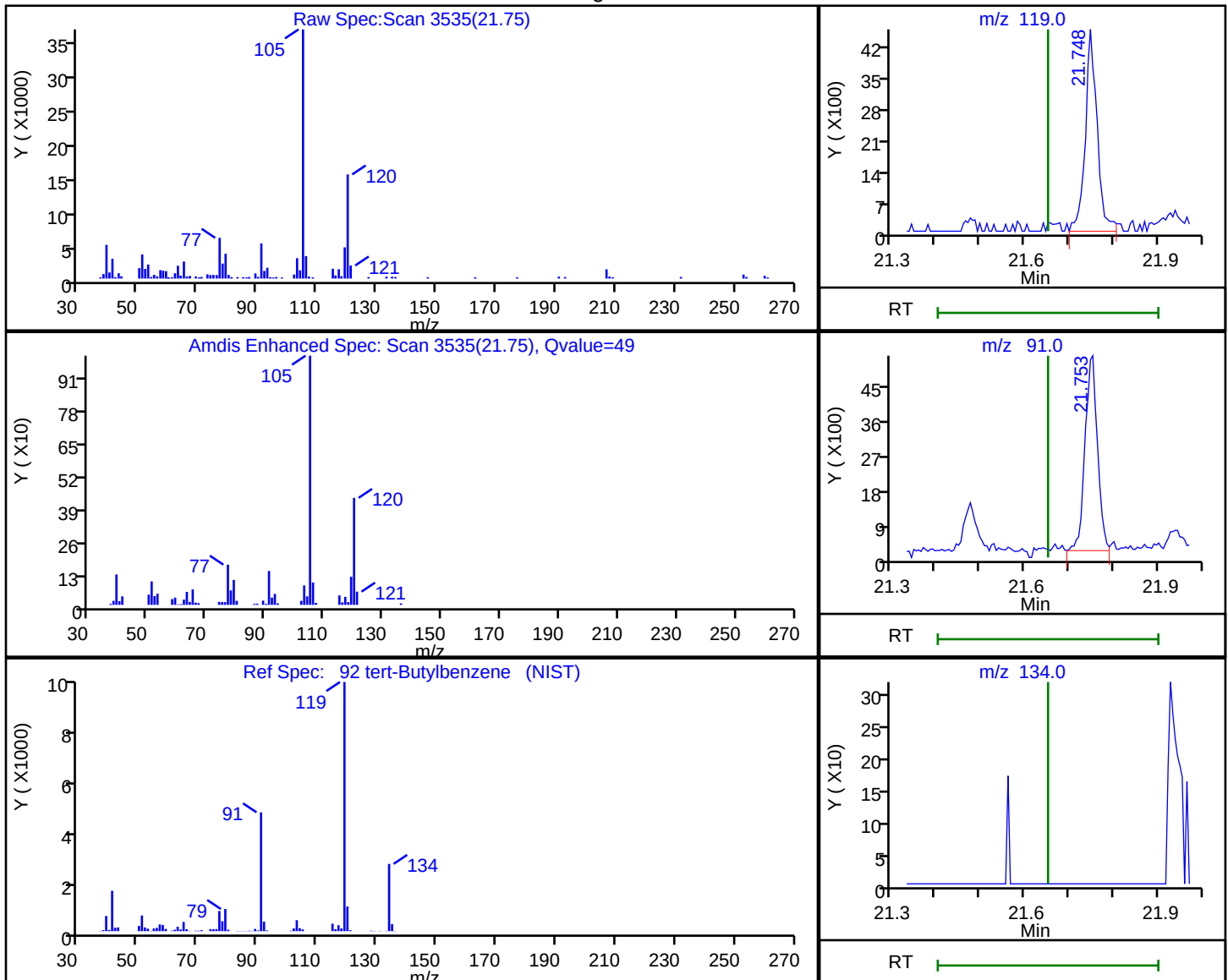
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

92 tert-Butylbenzene, CAS: 98-06-6

Processing Results



RT	Mass	Response	Amount
21.75	119.00	8452	0.094307
21.75	91.00	9848	
21.65	134.00	0	

Reviewer: bourdeaut, 21-Feb-2020 08:02:04

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 18 Worklist Smp#: 18

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

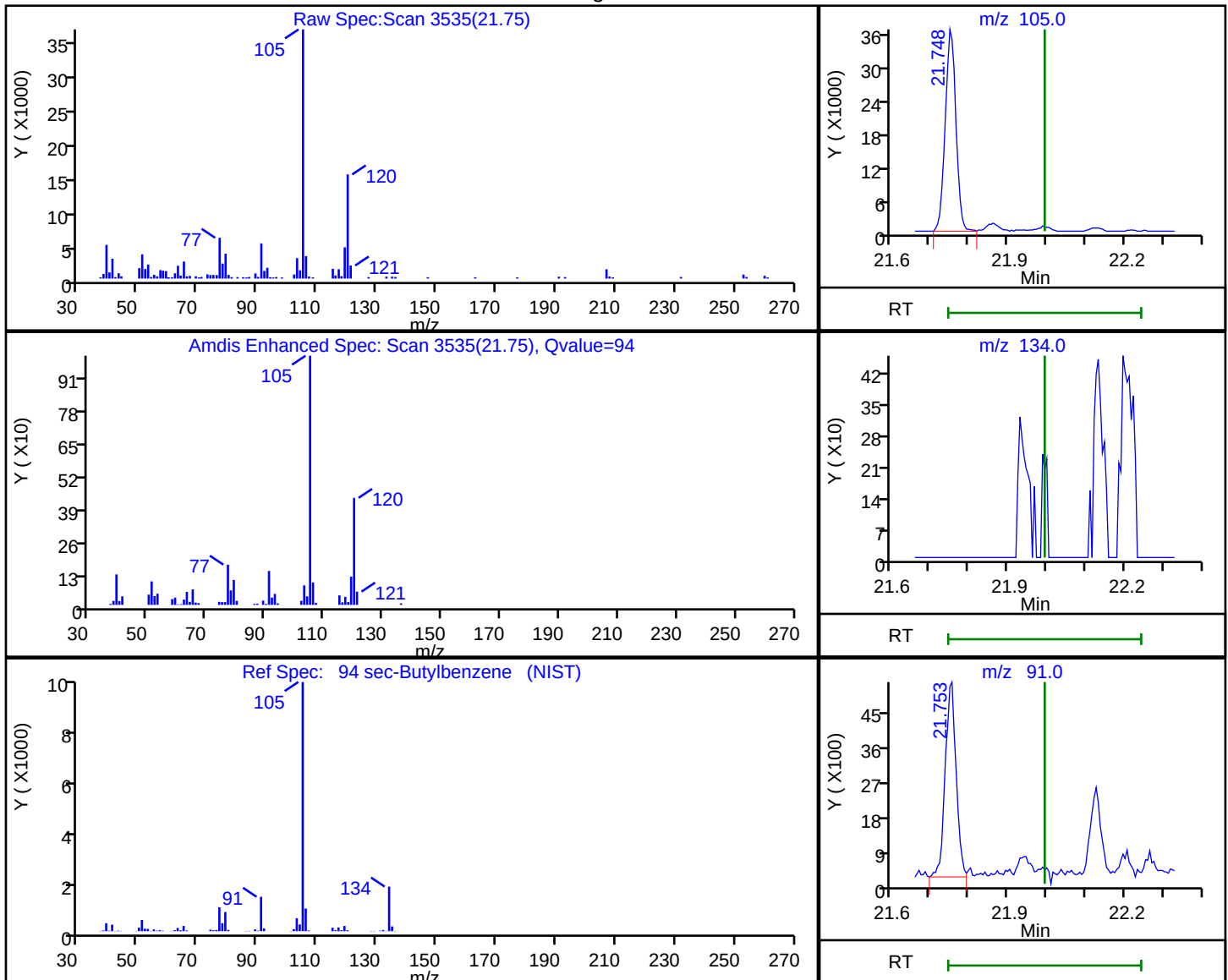
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

94 sec-Butylbenzene, CAS: 135-98-8

Processing Results



RT	Mass	Response	Amount
21.75	105.00	69713	0.491976
21.99	134.00	0	
21.75	91.00	9848	

Reviewer: bourdeaut, 21-Feb-2020 08:02:08

Audit Action: Marked Compound Undetected

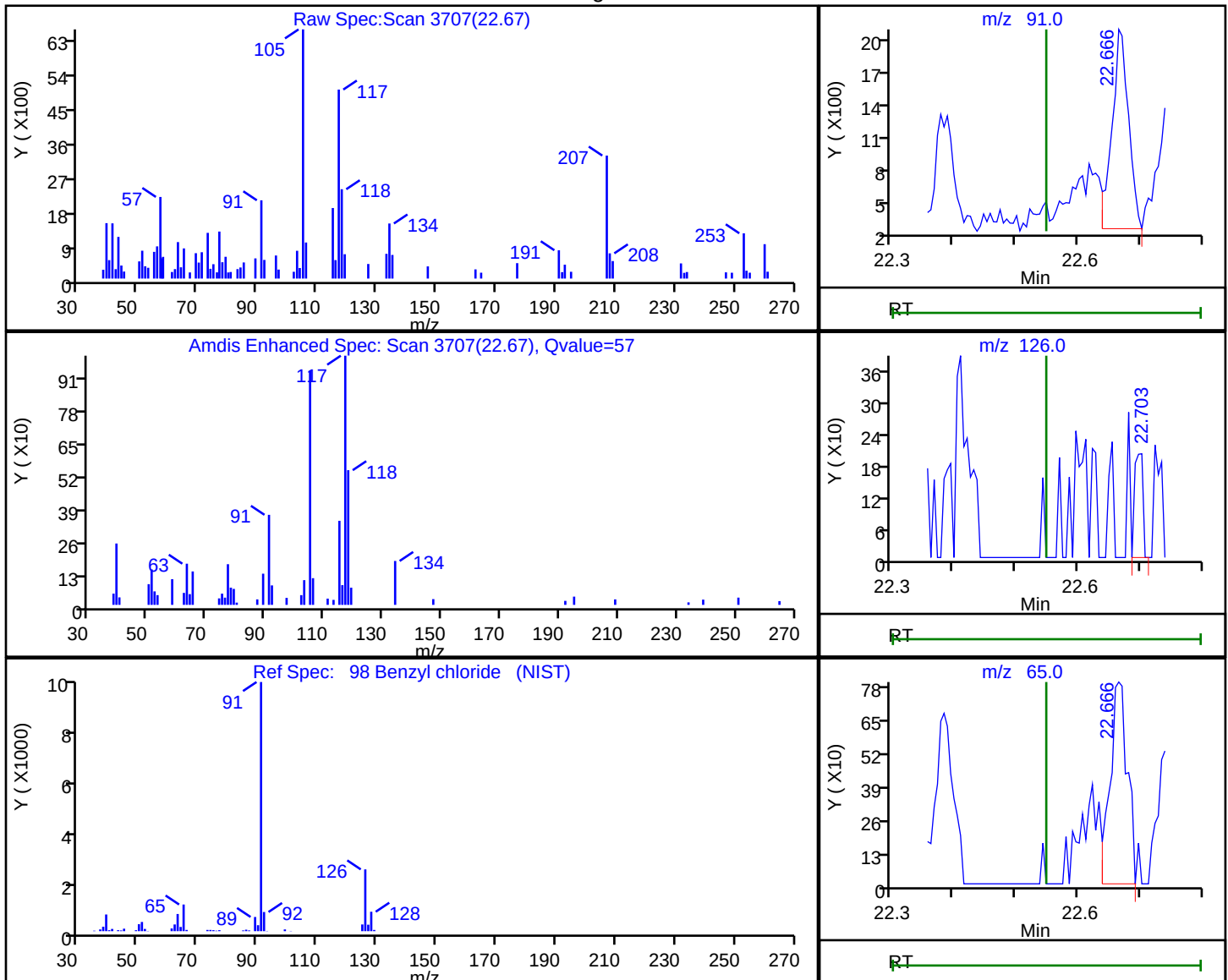
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D
Injection Date: 21-Feb-2020 01:53:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-1 Lab Sample ID: 200-52685-1
Client ID: SS-SV-04-021420
Operator ID: ggg ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

98 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
22.67	91.00	3365	0.034297
22.70	126.00	186	
22.67	65.00	1540	

Reviewer: bourdeaut, 21-Feb-2020 08:02:13

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-18.D

Injection Date: 21-Feb-2020 01:53:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#:

18

Worklist Smp#: 18

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

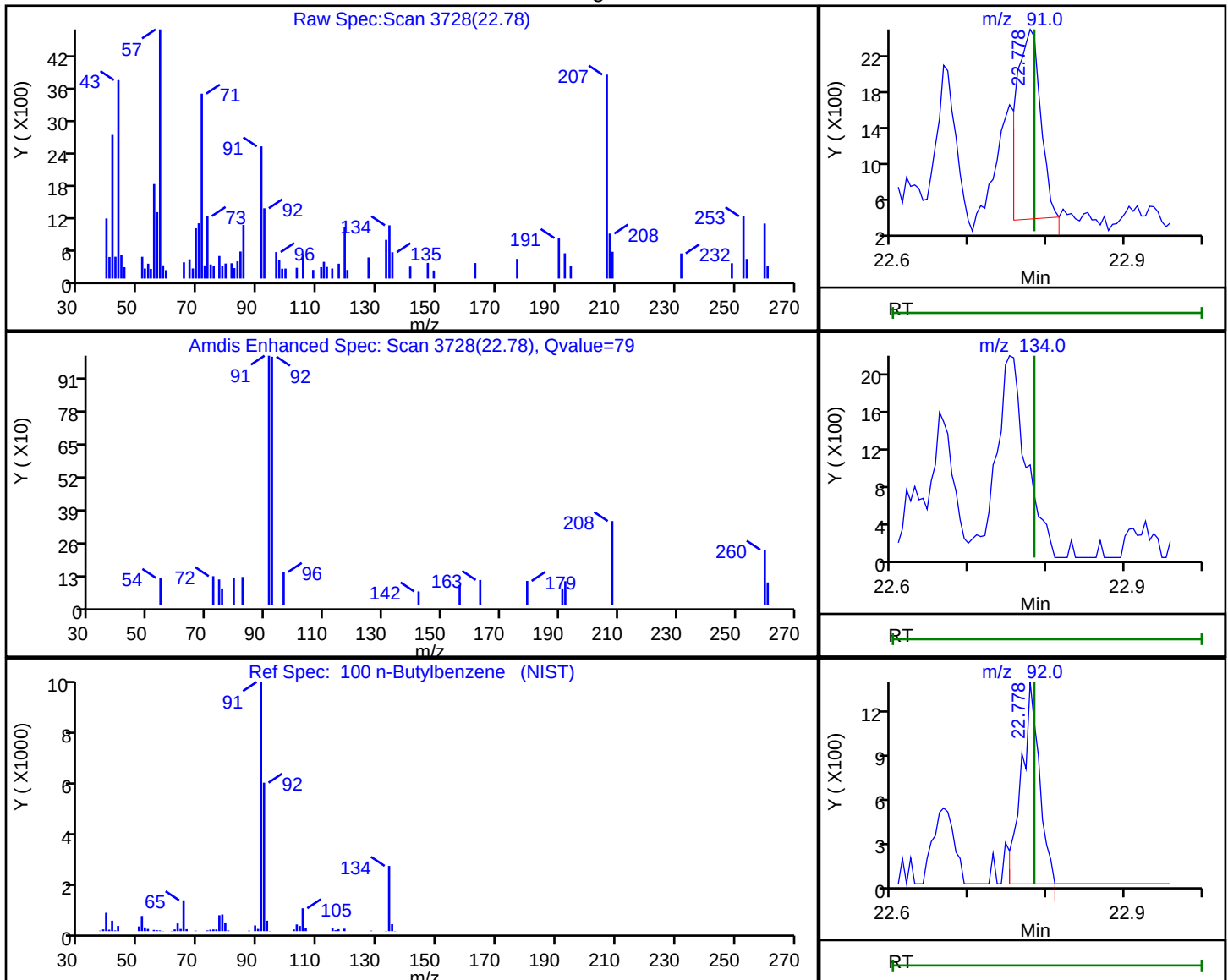
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

100 n-Butylbenzene, CAS: 104-51-8

Processing Results



RT	Mass	Response	Amount
22.78	91.00	4401	0.035099
22.78	134.00	0	
22.78	92.00	2100	

Reviewer: bourdeaut, 21-Feb-2020 08:02:17

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: SS-SV-04-021420 DL Lab Sample ID: 200-52685-1 DL

Matrix: Air Lab File ID: 40108-19.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:30

Sample wt/vol: 67(mL) Date Analyzed: 02/21/2020 02:46

Soil Aliquot Vol: _____ Dilution Factor: 2.99

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

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 152580 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.45	J	1.5	0.33
75-45-6	Freon 22	86.47	0.58	J	1.5	0.36
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.60	0.10
74-87-3	Chloromethane	50.49	0.55	J	1.5	0.33
106-97-8	n-Butane	58.12	4.2		1.5	0.33
75-01-4	Vinyl chloride	62.50	ND		0.18	0.13
106-99-0	1,3-Butadiene	54.09	ND		0.60	0.17
74-83-9	Bromomethane	94.94	ND		0.60	0.15
75-00-3	Chloroethane	64.52	ND		1.5	0.16
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.60	0.16
75-69-4	Trichlorofluoromethane	137.37	0.25	J	0.60	0.18
76-13-1	Freon TF	187.38	ND		0.60	0.11
75-35-4	1,1-Dichloroethene	96.94	ND		0.60	0.12
67-64-1	Acetone	58.08	13	J	15	3.6
67-63-0	Isopropyl alcohol	60.10	79		15	1.4
75-15-0	Carbon disulfide	76.14	ND		1.5	0.22
107-05-1	3-Chloropropene	76.53	ND		1.5	0.19
75-09-2	Methylene Chloride	84.93	ND		1.5	0.81
75-65-0	tert-Butyl alcohol	74.12	11	J	15	0.11
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.60	0.099
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.60	0.13
110-54-3	n-Hexane	86.17	1.0		0.60	0.60
75-34-3	1,1-Dichloroethane	98.96	ND		0.60	0.12
78-93-3	Methyl Ethyl Ketone	72.11	2.0		1.5	0.22
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.60	0.13
540-59-0	1,2-Dichloroethene, Total	96.94	ND		1.2	0.13
67-66-3	Chloroform	119.38	ND		0.60	0.096
109-99-9	Tetrahydrofuran	72.11	ND		15	0.20
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.60	0.11
110-82-7	Cyclohexane	84.16	0.64		0.60	0.14
56-23-5	Carbon tetrachloride	153.81	ND		0.18	0.072
540-84-1	2,2,4-Trimethylpentane	114.23	0.57	J	0.60	0.12
71-43-2	Benzene	78.11	0.43	J	0.60	0.20
107-06-2	1,2-Dichloroethane	98.96	ND		0.60	0.096

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: SS-SV-04-021420 DL Lab Sample ID: 200-52685-1 DL

Matrix: Air Lab File ID: 40108-19.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:30

Sample wt/vol: 67(mL) Date Analyzed: 02/21/2020 02:46

Soil Aliquot Vol: _____ Dilution Factor: 2.99

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

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 152580 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	<i>n</i> -Heptane	100.21	0.55	J	0.60	0.17
79-01-6	Trichloroethene	131.39	ND		0.18	0.10
80-62-6	Methyl methacrylate	100.12	ND		1.5	0.099
78-87-5	1,2-Dichloropropane	112.99	ND		0.60	0.099
123-91-1	1,4-Dioxane	88.11	ND		15	0.25
75-27-4	Bromodichloromethane	163.83	ND		0.60	0.10
10061-01-5	<i>cis</i> -1,3-Dichloropropene	110.97	ND		0.60	0.096
108-10-1	methyl isobutyl ketone	100.16	ND		1.5	0.11
108-88-3	Toluene	92.14	2.7		0.60	0.33
10061-02-6	<i>trans</i> -1,3-Dichloropropene	110.97	ND		0.60	0.12
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.60	0.11
127-18-4	Tetrachloroethene	165.83	ND		0.60	0.099
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		1.5	0.14
124-48-1	Dibromochloromethane	208.29	ND		0.60	0.11
106-93-4	1,2-Dibromoethane	187.87	ND		0.60	0.15
108-90-7	Chlorobenzene	112.56	ND		0.60	0.17
100-41-4	Ethylbenzene	106.17	0.50	J	0.60	0.19
179601-23-1	<i>m,p</i> -Xylene	106.17	1.8		1.5	0.30
95-47-6	Xylene, <i>o</i> -	106.17	0.75		0.60	0.14
1330-20-7	Xylene (total)	106.17	2.6		2.1	0.14
100-42-5	Styrene	104.15	ND		0.60	0.12
75-25-2	Bromoform	252.75	ND		0.60	0.14
98-82-8	Cumene	120.19	ND		0.60	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.60	0.13
103-65-1	<i>n</i> -Propylbenzene	120.19	0.13	J	0.60	0.12
622-96-8	4-Ethyltoluene	120.20	0.12	J	0.60	0.12
108-67-8	1,3,5-Trimethylbenzene	120.20	0.18	J	0.60	0.12
95-49-8	2-Chlorotoluene	126.59	ND		0.60	0.13
98-06-6	<i>tert</i> -Butylbenzene	134.22	ND		0.60	0.10
95-63-6	1,2,4-Trimethylbenzene	120.20	0.70		0.60	0.13
135-98-8	<i>sec</i> -Butylbenzene	134.22	ND		0.60	0.10
99-87-6	4-Isopropyltoluene	134.22	ND		0.60	0.12
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.60	0.33
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.60	0.36

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SS-SV-04-021420 DL Lab Sample ID: 200-52685-1 DL
 Matrix: Air Lab File ID: 40108-19.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:30
 Sample wt/vol: 67(mL) Date Analyzed: 02/21/2020 02:46
 Soil Aliquot Vol: _____ Dilution Factor: 2.99
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 152580 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		0.60	0.25
104-51-8	n-Butylbenzene	134.22	ND		0.60	0.12
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.60	0.29
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		1.5	0.66
87-68-3	Hexachlorobutadiene	260.76	ND		0.60	0.23
91-20-3	Naphthalene	128.17	ND		1.5	0.51

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: SS-SV-04-021420 DL Lab Sample ID: 200-52685-1 DL

Matrix: Air Lab File ID: 40108-19.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:30

Sample wt/vol: 67(mL) Date Analyzed: 02/21/2020 02:46

Soil Aliquot Vol: _____ Dilution Factor: 2.99

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

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.2	J	7.4	1.6
75-45-6	Freon 22	86.47	2.1	J	5.3	1.3
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		4.2	0.73
74-87-3	Chloromethane	50.49	1.1	J	3.1	0.68
106-97-8	n-Butane	58.12	10		3.6	0.78
75-01-4	Vinyl chloride	62.50	ND		0.46	0.34
106-99-0	1,3-Butadiene	54.09	ND		1.3	0.38
74-83-9	Bromomethane	94.94	ND		2.3	0.59
75-00-3	Chloroethane	64.52	ND		3.9	0.43
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		2.6	0.68
75-69-4	Trichlorofluoromethane	137.37	1.4	J	3.4	1.0
76-13-1	Freon TF	187.38	ND		4.6	0.87
75-35-4	1,1-Dichloroethene	96.94	ND		2.4	0.46
67-64-1	Acetone	58.08	30	J	36	8.5
67-63-0	Isopropyl alcohol	60.10	190		37	3.5
75-15-0	Carbon disulfide	76.14	ND		4.7	0.69
107-05-1	3-Chloropropene	76.53	ND		4.7	0.60
75-09-2	Methylene Chloride	84.93	ND		5.2	2.8
75-65-0	tert-Butyl alcohol	74.12	33	J	45	0.34
1634-04-4	Methyl tert-butyl ether	88.15	ND		2.2	0.36
156-60-5	trans-1,2-Dichloroethene	96.94	ND		2.4	0.50
110-54-3	n-Hexane	86.17	3.6		2.1	2.1
75-34-3	1,1-Dichloroethane	98.96	ND		2.4	0.50
78-93-3	Methyl Ethyl Ketone	72.11	5.8		4.4	0.63
156-59-2	cis-1,2-Dichloroethene	96.94	ND		2.4	0.53
540-59-0	1,2-Dichloroethene, Total	96.94	ND		4.7	0.50
67-66-3	Chloroform	119.38	ND		2.9	0.47
109-99-9	Tetrahydrofuran	72.11	ND		44	0.58
71-55-6	1,1,1-Trichloroethane	133.41	ND		3.3	0.59
110-82-7	Cyclohexane	84.16	2.2		2.1	0.47
56-23-5	Carbon tetrachloride	153.81	ND		1.1	0.45
540-84-1	2,2,4-Trimethylpentane	114.23	2.7	J	2.8	0.57
71-43-2	Benzene	78.11	1.4	J	1.9	0.64
107-06-2	1,2-Dichloroethane	98.96	ND		2.4	0.39

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: SS-SV-04-021420 DL Lab Sample ID: 200-52685-1 DL

Matrix: Air Lab File ID: 40108-19.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:30

Sample wt/vol: 67(mL) Date Analyzed: 02/21/2020 02:46

Soil Aliquot Vol: _____ Dilution Factor: 2.99

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

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	2.3	J	2.5	0.69
79-01-6	Trichloroethene	131.39	ND		0.96	0.56
80-62-6	Methyl methacrylate	100.12	ND		6.1	0.40
78-87-5	1,2-Dichloropropane	112.99	ND		2.8	0.46
123-91-1	1,4-Dioxane	88.11	ND		54	0.91
75-27-4	Bromodichloromethane	163.83	ND		4.0	0.70
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		2.7	0.43
108-10-1	methyl isobutyl ketone	100.16	ND		6.1	0.44
108-88-3	Toluene	92.14	10		2.3	1.2
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		2.7	0.53
79-00-5	1,1,2-Trichloroethane	133.41	ND		3.3	0.59
127-18-4	Tetrachloroethene	165.83	ND		4.1	0.67
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		6.1	0.59
124-48-1	Dibromochloromethane	208.29	ND		5.1	0.92
106-93-4	1,2-Dibromoethane	187.87	ND		4.6	1.1
108-90-7	Chlorobenzene	112.56	ND		2.8	0.77
100-41-4	Ethylbenzene	106.17	2.2	J	2.6	0.82
179601-23-1	m,p-Xylene	106.17	7.8		6.5	1.3
95-47-6	Xylene, o-	106.17	3.3		2.6	0.62
1330-20-7	Xylene (total)	106.17	11		9.1	0.62
100-42-5	Styrene	104.15	ND		2.5	0.51
75-25-2	Bromoform	252.75	ND		6.2	1.5
98-82-8	Cumene	120.19	ND		2.9	0.51
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		4.1	0.86
103-65-1	n-Propylbenzene	120.19	0.64	J	2.9	0.57
622-96-8	4-Ethyltoluene	120.20	0.61	J	2.9	0.60
108-67-8	1,3,5-Trimethylbenzene	120.20	0.91	J	2.9	0.57
95-49-8	2-Chlorotoluene	126.59	ND		3.1	0.65
98-06-6	tert-Butylbenzene	134.22	ND		3.3	0.57
95-63-6	1,2,4-Trimethylbenzene	120.20	3.4		2.9	0.65
135-98-8	sec-Butylbenzene	134.22	ND		3.3	0.57
99-87-6	4-Isopropyltoluene	134.22	ND		3.3	0.64
541-73-1	1,3-Dichlorobenzene	147.00	ND		3.6	2.0
106-46-7	1,4-Dichlorobenzene	147.00	ND		3.6	2.2

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SS-SV-04-021420 DL Lab Sample ID: 200-52685-1 DL
 Matrix: Air Lab File ID: 40108-19.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:30
 Sample wt/vol: 67(mL) Date Analyzed: 02/21/2020 02:46
 Soil Aliquot Vol: _____ Dilution Factor: 2.99
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		3.1	1.3
104-51-8	n-Butylbenzene	134.22	ND		3.3	0.64
95-50-1	1,2-Dichlorobenzene	147.00	ND		3.6	1.7
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		11	4.9
87-68-3	Hexachlorobutadiene	260.76	ND		6.4	2.4
91-20-3	Naphthalene	128.17	ND		7.8	2.7

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D
 Lims ID: 200-52685-A-1
 Client ID: SS-SV-04-021420
 Sample Type: Client
 Inject. Date: 21-Feb-2020 02:46:30 ALS Bottle#: 19 Worklist Smp#: 19
 Purge Vol: 200.000 mL Dil. Factor: 2.9900
 Sample Info: 200-0040108-019
 Misc. Info.: 52685-1dll
 Operator ID: ggg Instrument ID: CHC.i
 Method: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Feb-2020 08:11:32 Calib Date: 19-Feb-2020 02:47:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0326

First Level Reviewer: bunmaa

Date: 21-Feb-2020 15:44:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	2.994	3.008	-0.016	99	6702	0.1505	
3 Chlorodifluoromethane	51	3.037	3.051	-0.016	97	6522	0.1956	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.255				ND	
5 Chloromethane	50	3.362	3.371	-0.011	98	3207	0.1823	
6 Butane	43	3.560	3.568	-0.010	99	45915	1.40	
7 Vinyl chloride	62		3.602				ND	
8 Butadiene	54		3.677				ND	
10 Bromomethane	94		4.307				ND	
11 Chloroethane	64		4.531				ND	
13 Vinyl bromide	106		4.910				ND	
14 Trichlorofluoromethane	101	5.011	5.019	-0.011	95	3393	0.0835	
20 1,1,2-Trichloro-1,2,2-trif	101		6.084				ND	
21 1,1-Dichloroethene	96		6.100				ND	
22 Acetone	43	6.314	6.316	-0.005	100	145297	4.27	
23 Carbon disulfide	76	6.463	6.470	-0.011	53	965	0.0203	
24 Isopropyl alcohol	45	6.650	6.662	-0.016	100	1010097	26.3	
25 3-Chloro-1-propene	41		6.869				ND	U
27 Methylene Chloride	49	7.141	7.148	-0.010	91	1937	0.0784	
28 2-Methyl-2-propanol	59	7.424	7.430	-0.010	96	142028	3.65	
29 Methyl tert-butyl ether	73		7.600				ND	
31 trans-1,2-Dichloroethene	61		7.610				ND	
33 Hexane	57	8.016	8.022	-0.011	90	10365	0.3418	
34 1,1-Dichloroethane	63		8.454				ND	
37 cis-1,2-Dichloroethene	96		9.553				ND	
38 2-Butanone (MEK)	72	9.612	9.596	0.011	97	6358	0.6629	
* 40 Chlorobromomethane	128	9.991	9.996	-0.005	93	251397	20.0	
41 Tetrahydrofuran	42		10.044				ND	
42 Chloroform	83	10.140	10.145	-0.011	6	828	0.0198	M
S 30 1,2-Dichloroethene, Total	61		10.200				ND	
43 Cyclohexane	84	10.418	10.413	0.000	90	5701	0.2156	M
44 1,1,1-Trichloroethane	97		10.418				ND	MU

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Carbon tetrachloride	117	10.679	10.680	-0.005	28	675	0.0157	
47 Benzene	78	11.117	11.117	-0.005	95	9518	0.1450	
46 Isooctane	57	11.143	11.144	-0.006	96	23604	0.1907	
48 1,2-Dichloroethane	62		11.282				ND	
49 n-Heptane	43	11.544	11.549	-0.010	97	11283	0.1847	M
* 50 1,4-Difluorobenzene	114	11.965	11.971	-0.006	98	1371903	20.0	
53 Trichloroethene	95		12.440				ND	
54 1,2-Dichloropropane	63		12.958				ND	
55 Methyl methacrylate	69		13.182				ND	
56 1,4-Dioxane	88		13.230				ND	
58 Dichlorobromomethane	83		13.540				ND	
60 cis-1,3-Dichloropropene	75		14.495				ND	
61 4-Methyl-2-pentanone (MIBK)	43		14.799				ND	
65 Toluene	92	15.093	15.094	-0.005	92	42116	0.8938	
66 trans-1,3-Dichloropropene	75		15.696				ND	U
67 1,1,2-Trichloroethane	83		16.064				ND	
68 Tetrachloroethene	166	16.203	16.209	-0.010	83	633	0.0186	M
69 2-Hexanone	43		16.539				ND	MU
71 Chlorodibromomethane	129		16.833				ND	
72 Ethylene Dibromide	107		17.083				ND	
* 74 Chlorobenzene-d5	117	18.001	18.007	-0.006	94	1336866	20.0	
75 Chlorobenzene	112		18.065				ND	
76 Ethylbenzene	91	18.236	18.231	0.000	99	18199	0.1679	
78 m-Xylene & p-Xylene	106	18.482	18.482	-0.005	0	22993	0.5986	
79 o-Xylene	106	19.320	19.319	-0.005	97	9230	0.2511	
80 Styrene	104	19.362	19.367	-0.011	85	891	0.0151	M
81 Bromoform	173		19.800				ND	
82 Isopropylbenzene	105	20.061	20.050	0.005	96	3673	0.0325	
S 73 Xylenes, Total	106				0		0.8498	
84 1,1,2,2-Tetrachloroethane	83		20.739				ND	
85 N-Propylbenzene	91	20.830	20.824	0.000	98	6409	0.0434	
89 2-Chlorotoluene	91		21.027				ND	MU
88 4-Ethyltoluene	105	21.027	21.021	0.000	95	4866	0.0418	M
90 1,3,5-Trimethylbenzene	105	21.145	21.139	0.000	91	5837	0.0616	
92 tert-Butylbenzene	119		21.652				ND	U
93 1,2,4-Trimethylbenzene	105	21.748	21.747	-0.005	98	22454	0.2341	
94 sec-Butylbenzene	105		21.993				ND	
95 4-Isopropyltoluene	119	22.196	22.200	-0.011	67	1638	0.0141	
96 1,3-Dichlorobenzene	146	22.218	22.211	0.001	89	1352	0.0222	
97 1,4-Dichlorobenzene	146		22.362				ND	
98 Benzyl chloride	91		22.548				ND	U
100 n-Butylbenzene	91		22.783				ND	MU
101 1,2-Dichlorobenzene	146		22.879				ND	
103 1,2,4-Trichlorobenzene	180		25.254				ND	
104 Hexachlorobutadiene	225		25.457				ND	
105 Naphthalene	128	25.692	25.679	0.006	96	4353	0.0365	

QC Flag Legend

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 21-Feb-2020 08:12:22

Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D

Injection Date: 21-Feb-2020 02:46:30

Instrument ID: CHC.i

Operator ID: ggg

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Worklist Smp#: 19

Client ID: SS-SV-04-021420

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

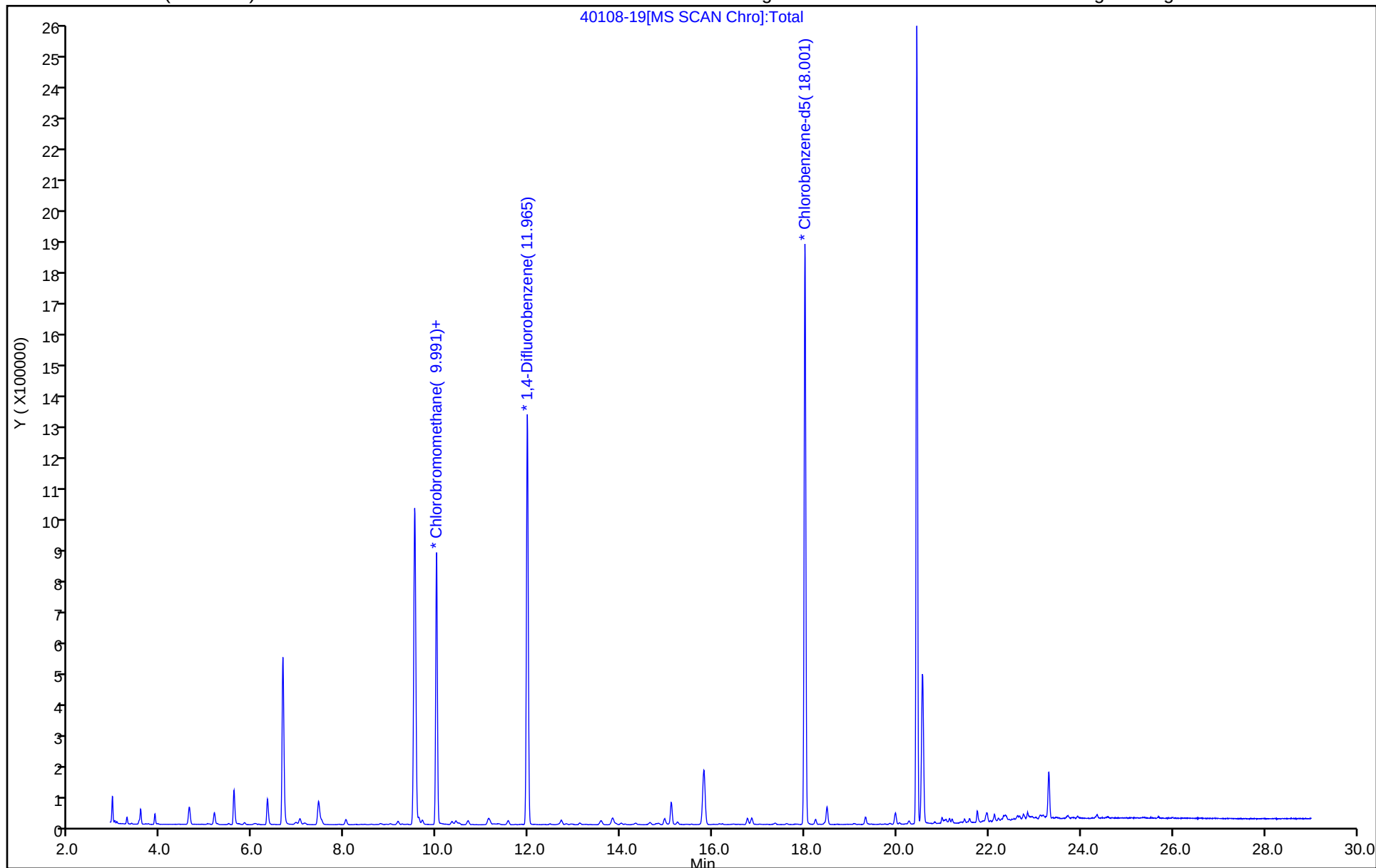
ALS Bottle#: 19

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D

Injection Date: 21-Feb-2020 02:46:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 19

Worklist Smp#: 19

Purge Vol: 200.000 mL

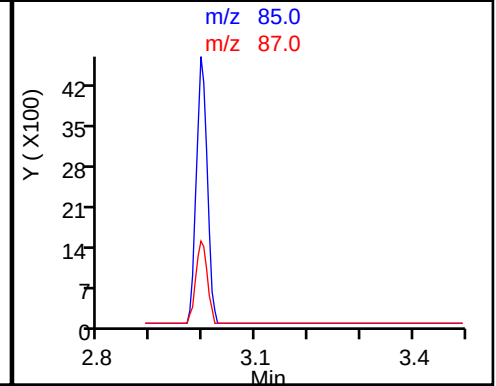
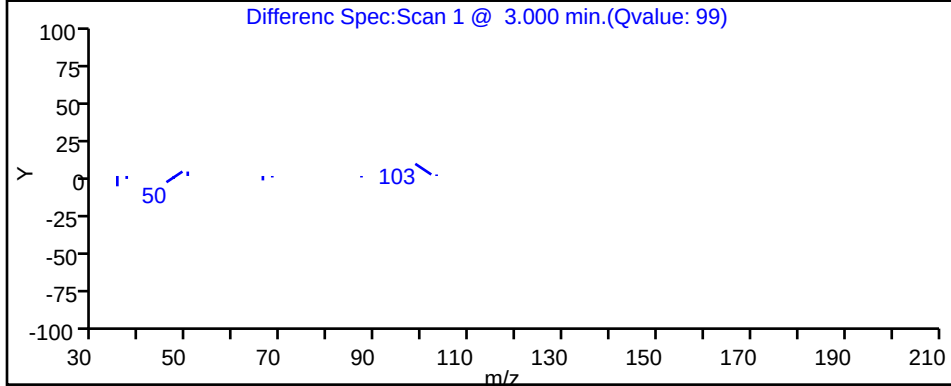
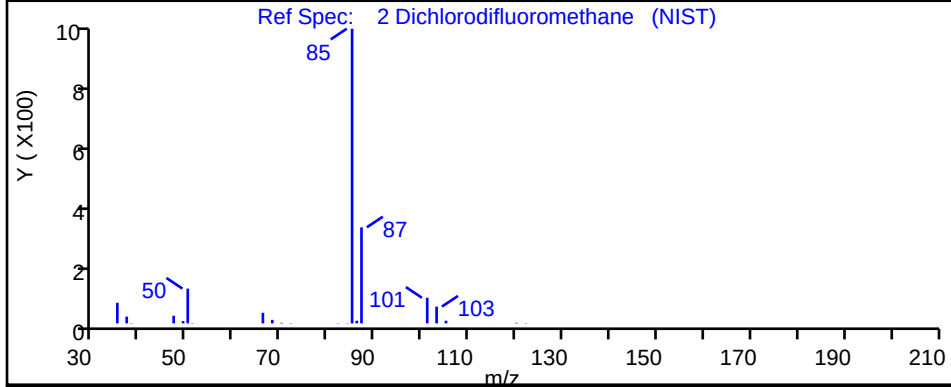
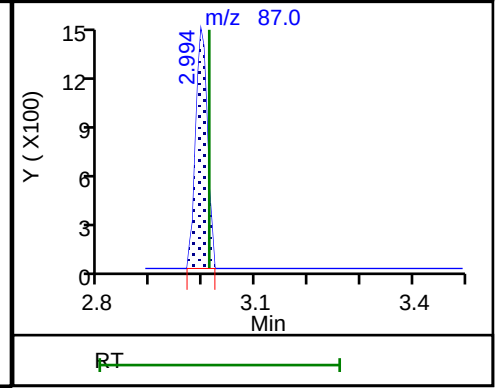
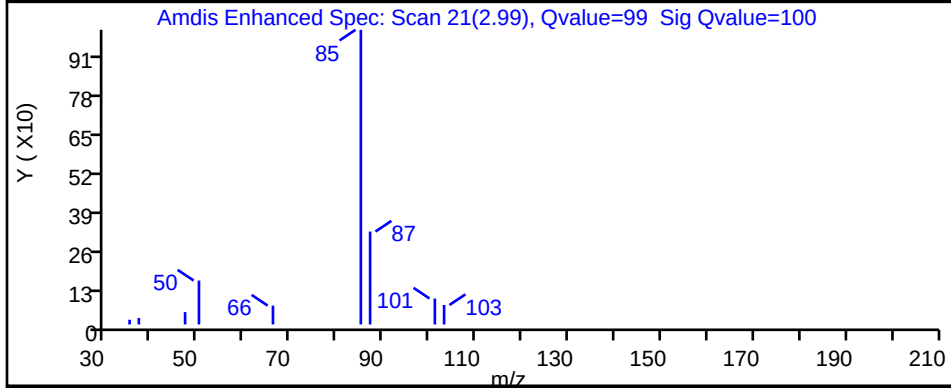
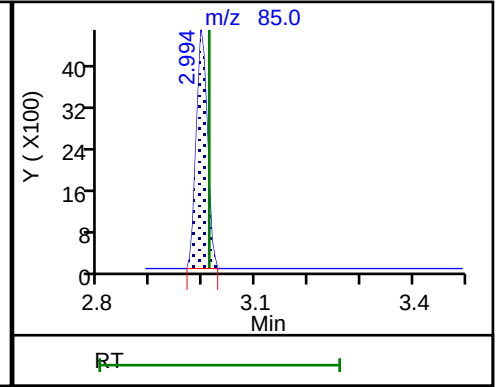
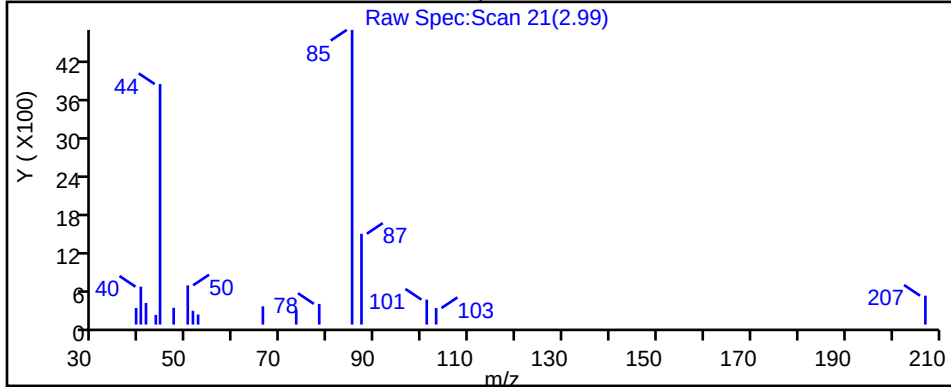
Dil. Factor: 2.9900

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D

Injection Date: 21-Feb-2020 02:46:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 19

Worklist Smp#: 19

Purge Vol: 200.000 mL

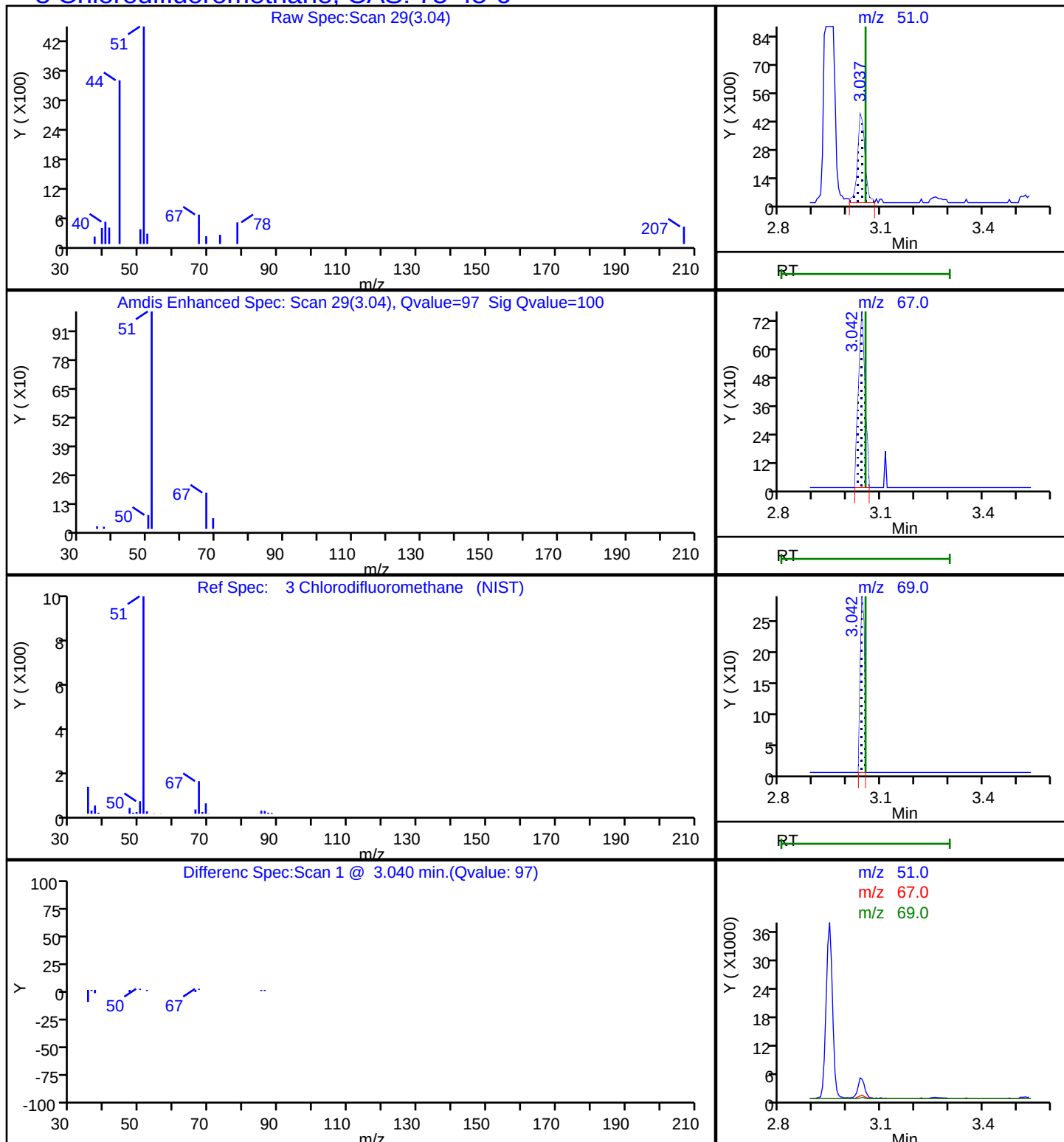
Dil. Factor: 2.9900

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

3 Chlorodifluoromethane, CAS: 75-45-6

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D

Injection Date: 21-Feb-2020 02:46:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 19

Worklist Smp#: 19

Purge Vol: 200.000 mL

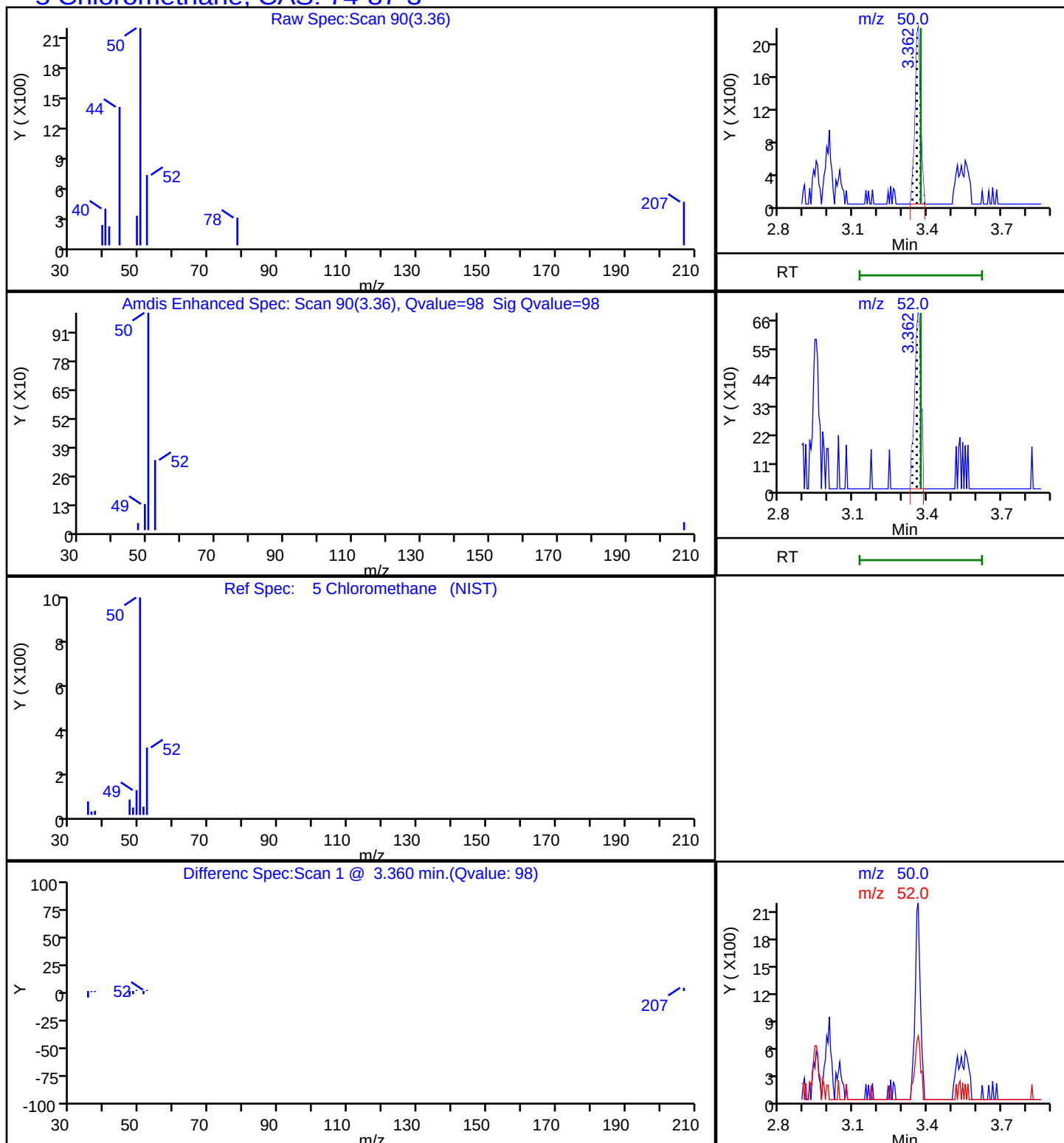
Dil. Factor: 2.9900

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

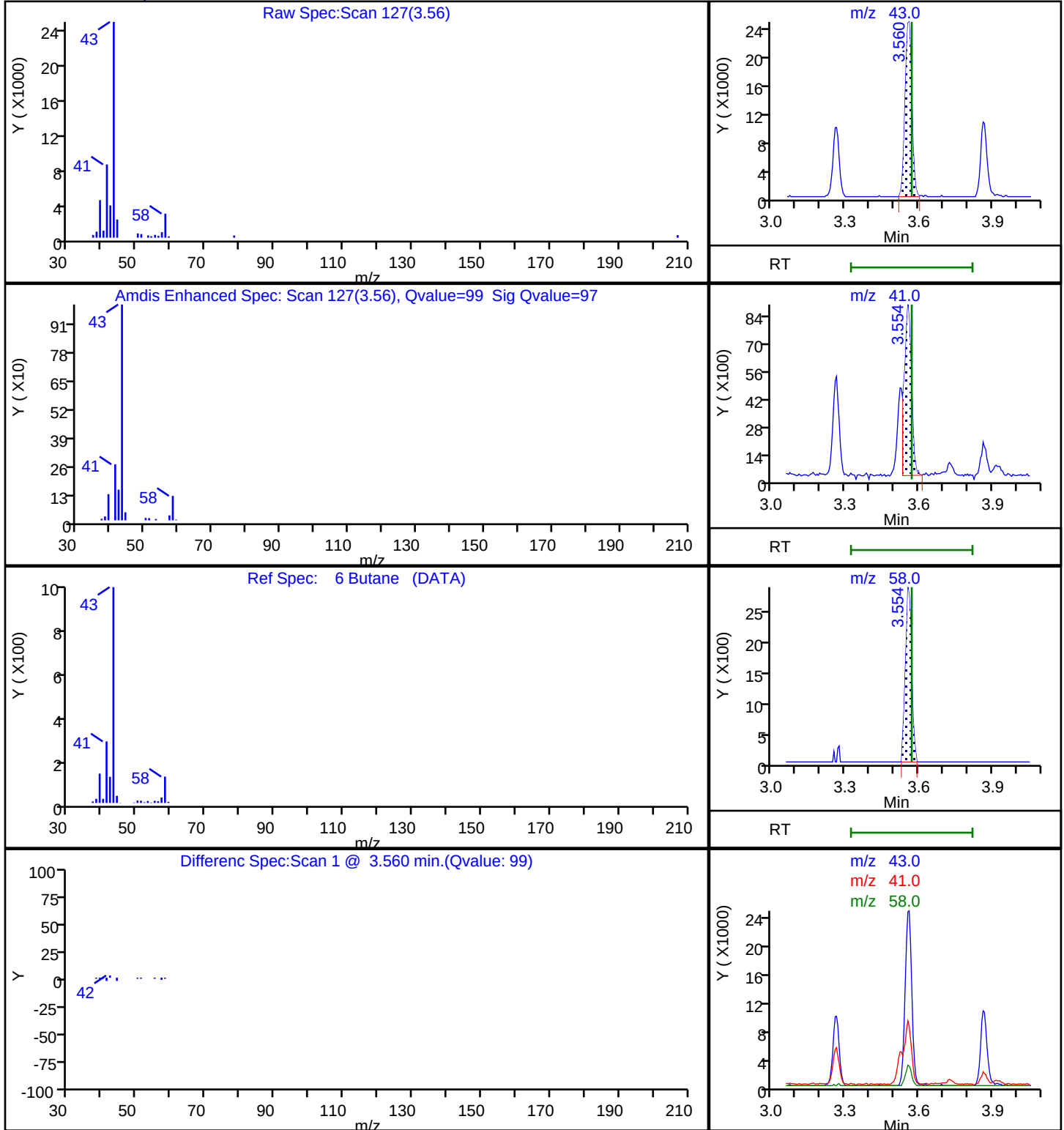
Column: RTX-624 (0.32 mm)

Detector: MS SCAN

5 Chloromethane, CAS: 74-87-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D
Injection Date: 21-Feb-2020 02:46:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-1 Lab Sample ID: 200-52685-1
Client ID: SS-SV-04-021420
Operator ID: ggg ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 2.9900
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

6 Butane, CAS: 106-97-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D

Injection Date: 21-Feb-2020 02:46:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 19

Worklist Smp#: 19

Purge Vol: 200.000 mL

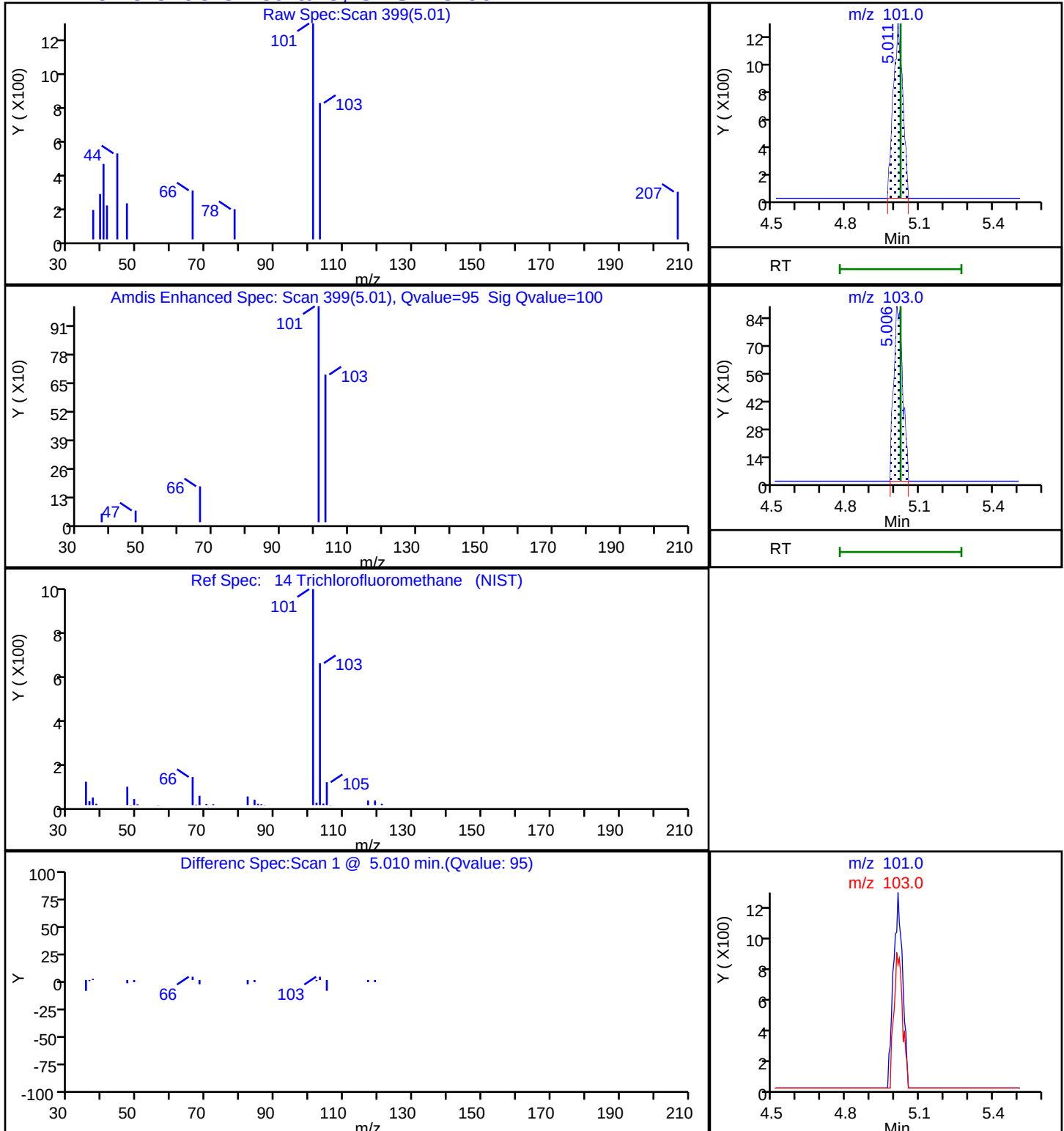
Dil. Factor: 2.9900

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

14 Trichlorofluoromethane, CAS: 75-69-4

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D

Injection Date: 21-Feb-2020 02:46:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 19

Worklist Smp#: 19

Purge Vol: 200.000 mL

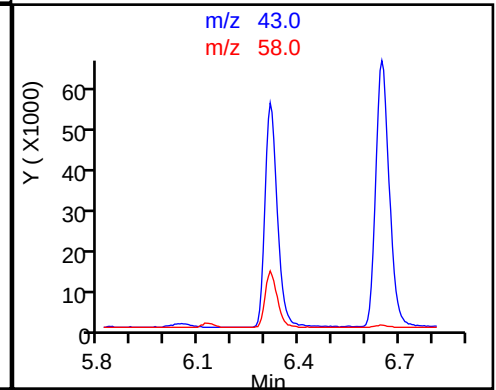
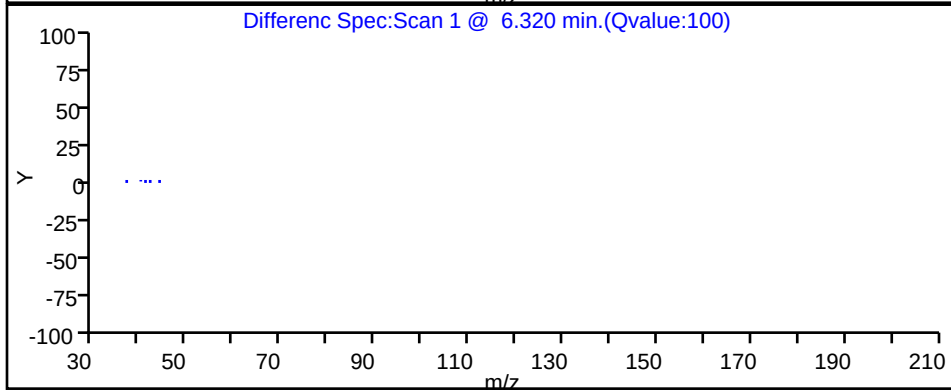
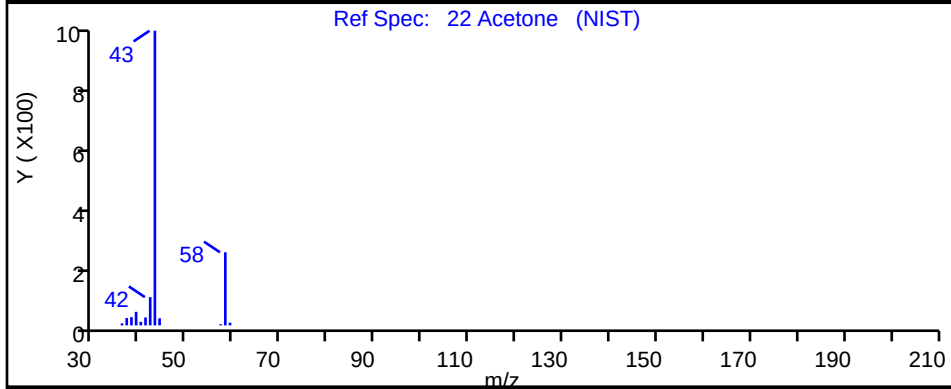
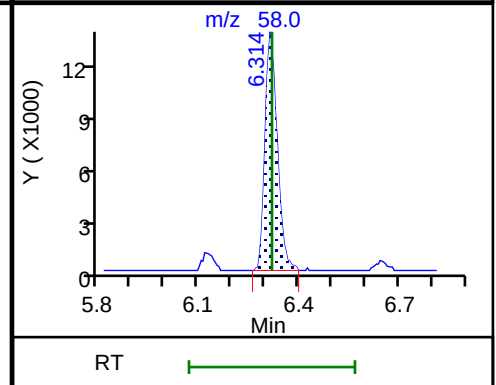
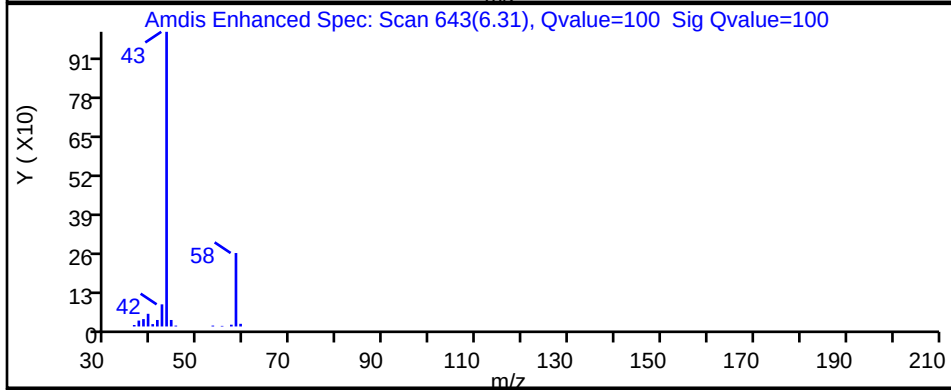
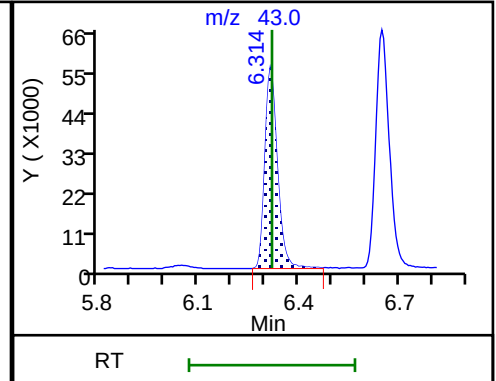
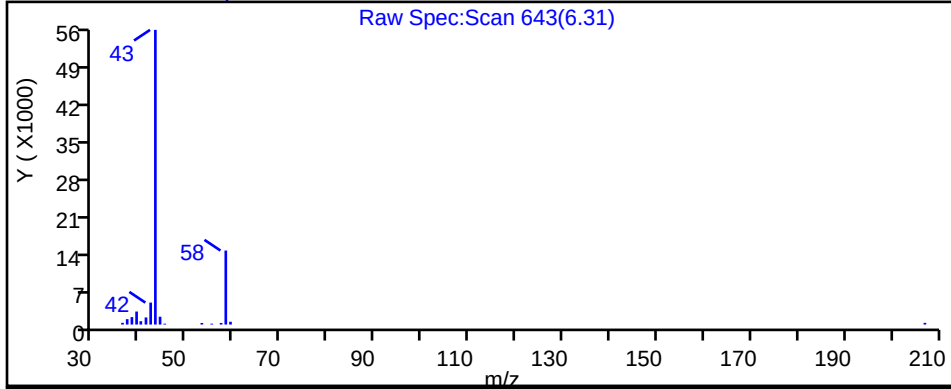
Dil. Factor: 2.9900

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

22 Acetone, CAS: 67-64-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D

Injection Date: 21-Feb-2020 02:46:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 19

Worklist Smp#: 19

Purge Vol: 200.000 mL

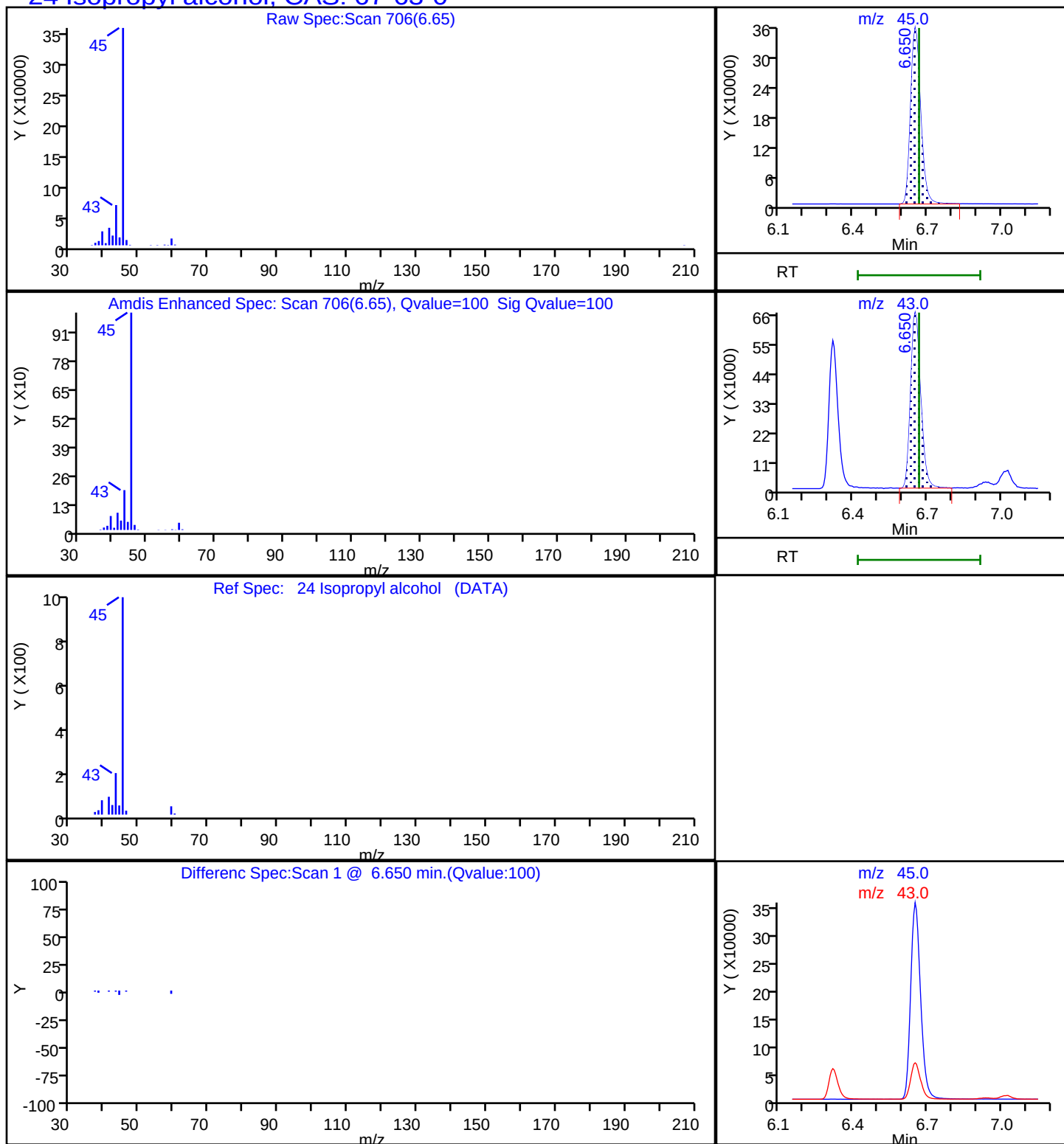
Dil. Factor: 2.9900

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D

Injection Date: 21-Feb-2020 02:46:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 19

Worklist Smp#: 19

Purge Vol: 200.000 mL

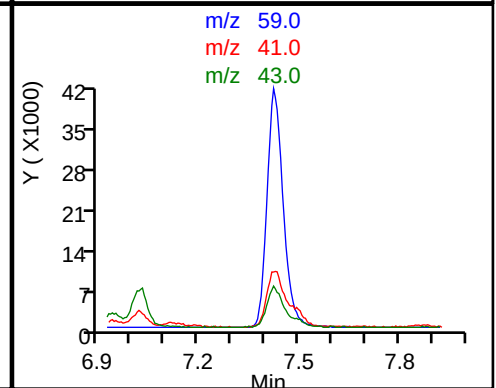
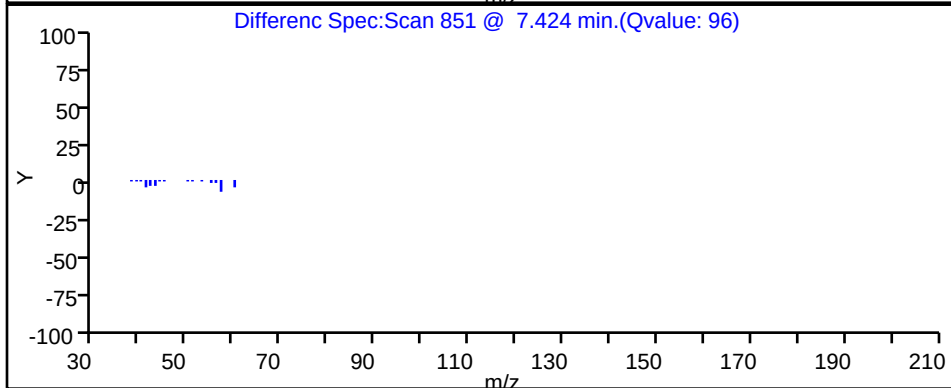
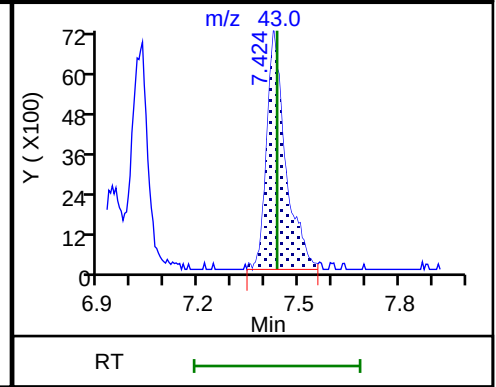
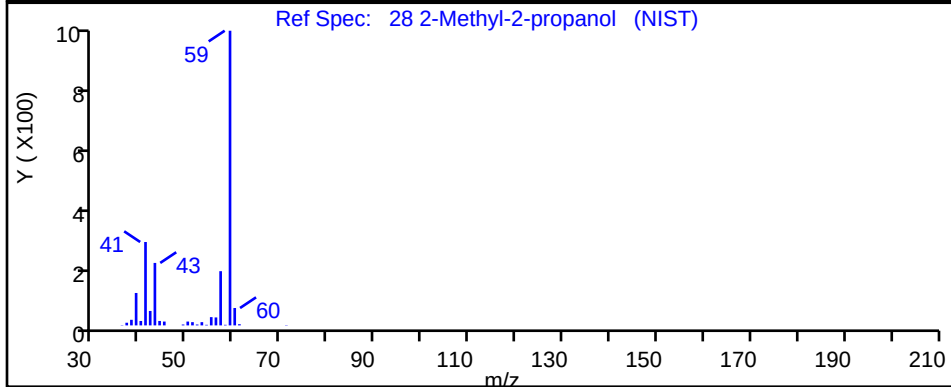
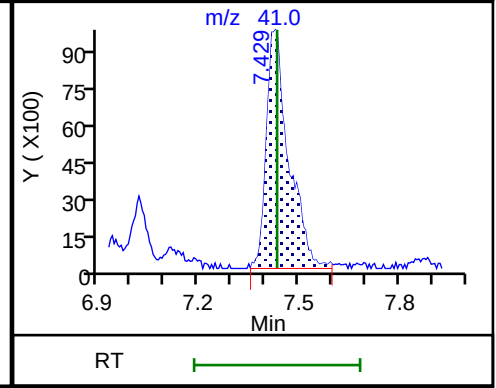
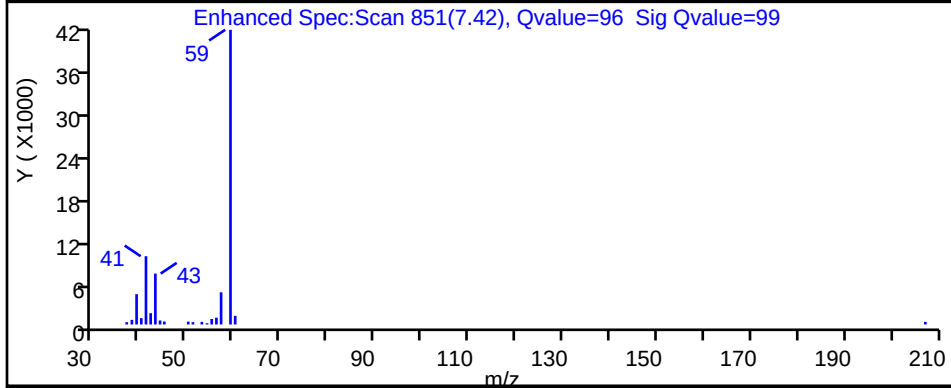
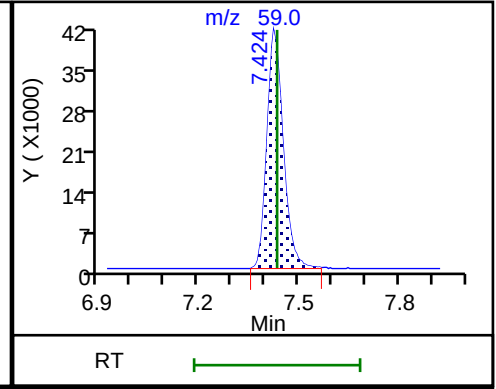
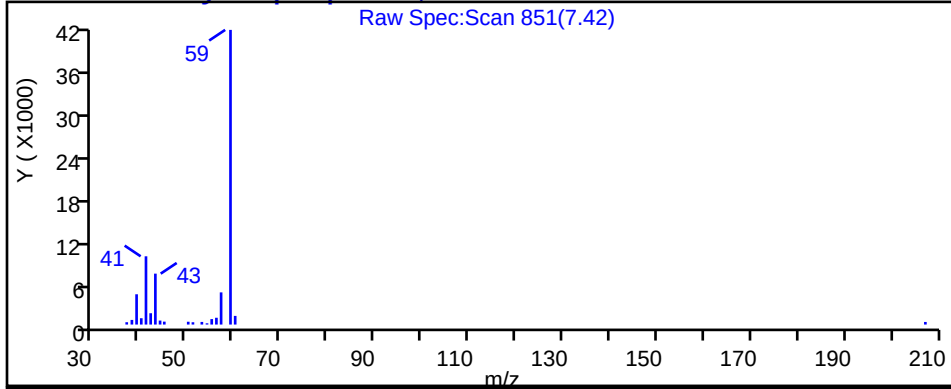
Dil. Factor: 2.9900

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D

Injection Date: 21-Feb-2020 02:46:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 19

Worklist Smp#: 19

Purge Vol: 200.000 mL

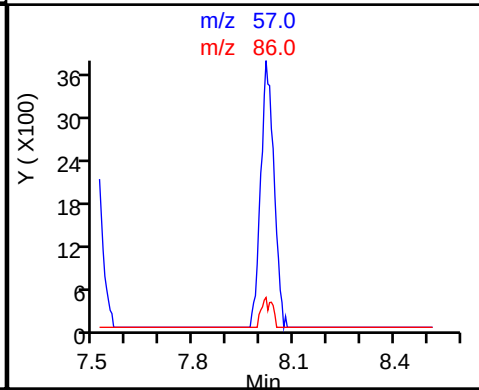
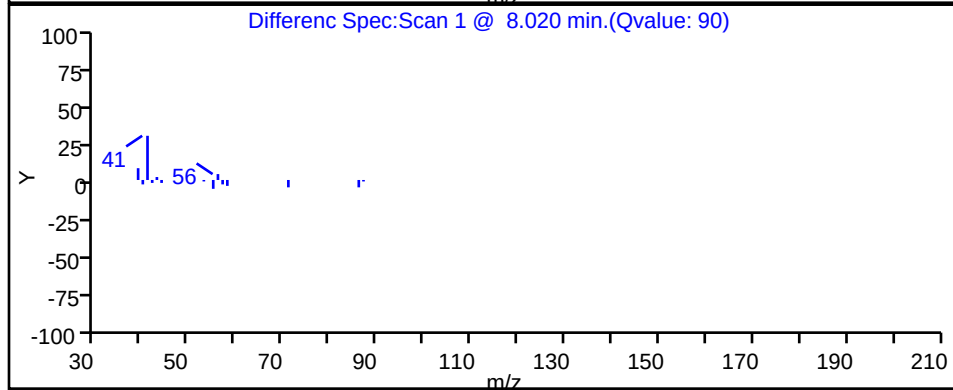
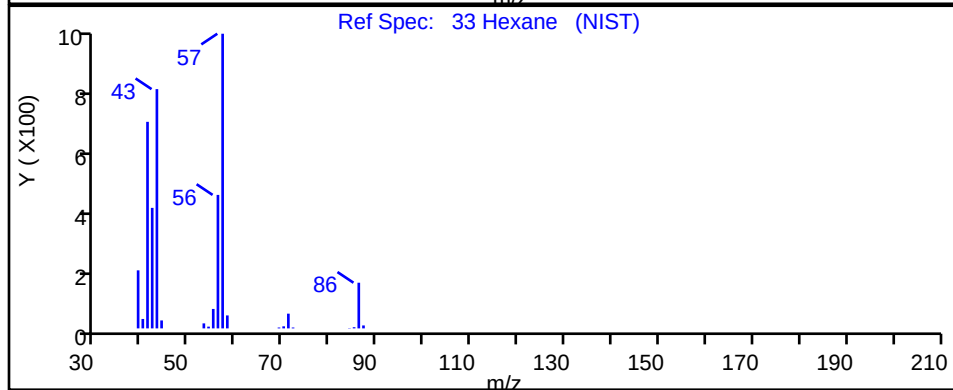
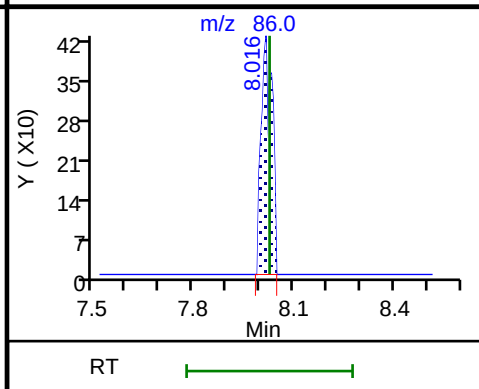
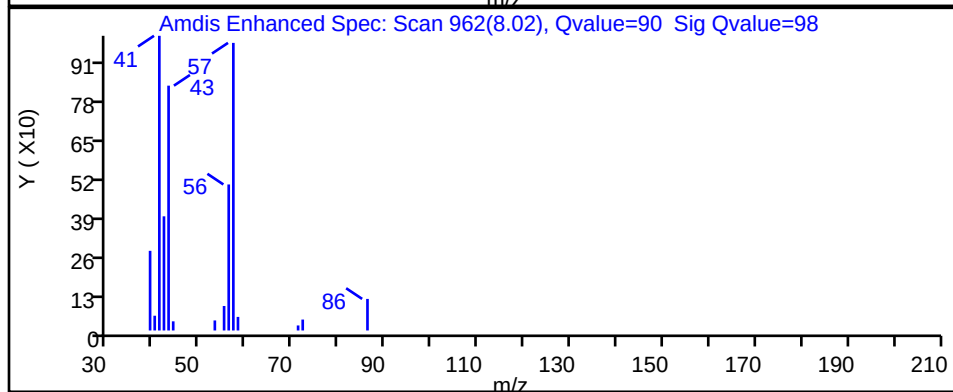
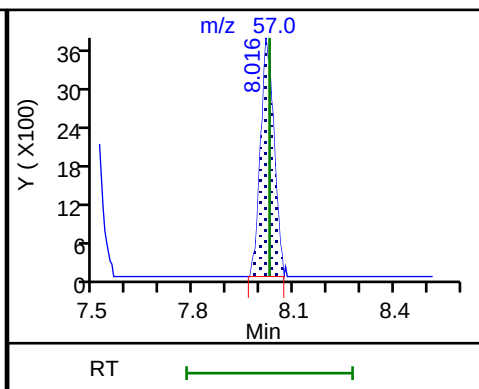
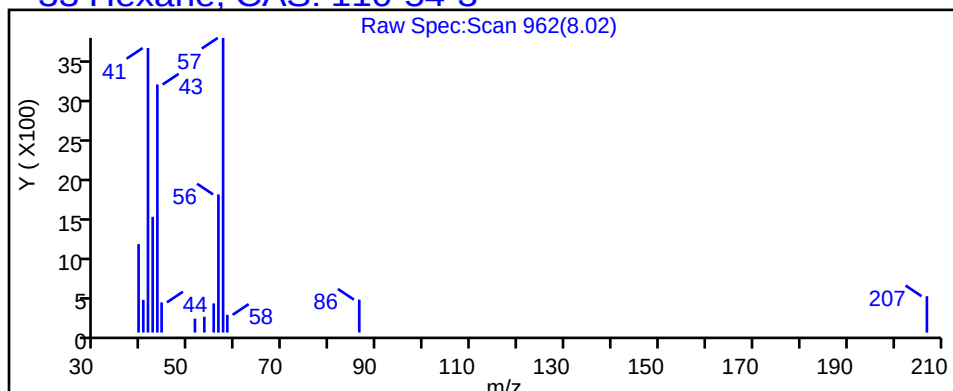
Dil. Factor: 2.9900

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

33 Hexane, CAS: 110-54-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D

Injection Date: 21-Feb-2020 02:46:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 19

Worklist Smp#: 19

Purge Vol: 200.000 mL

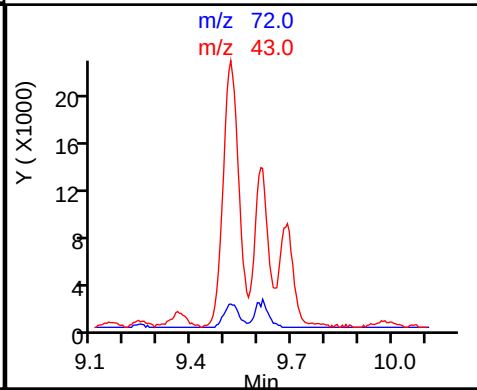
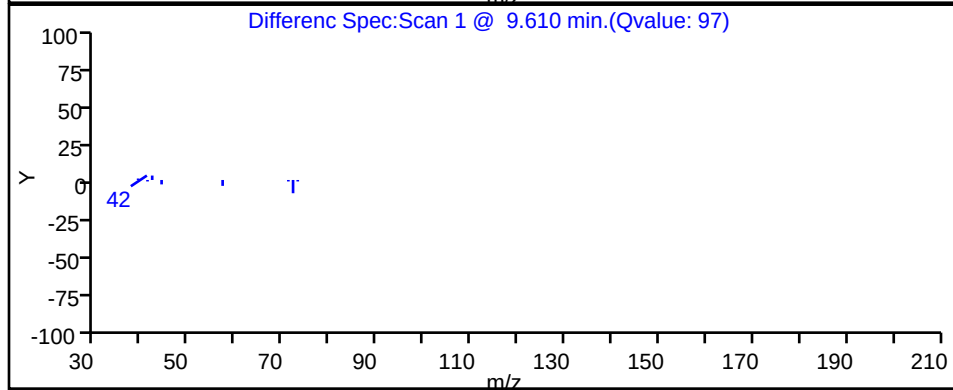
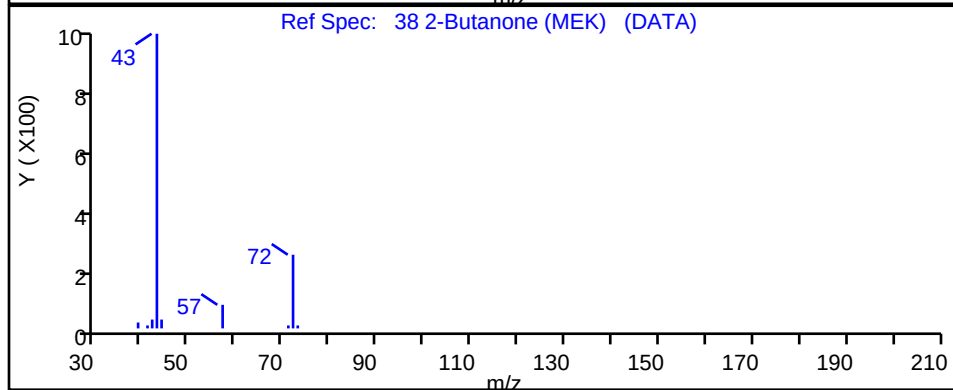
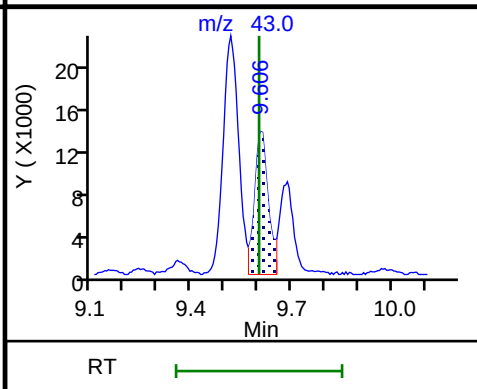
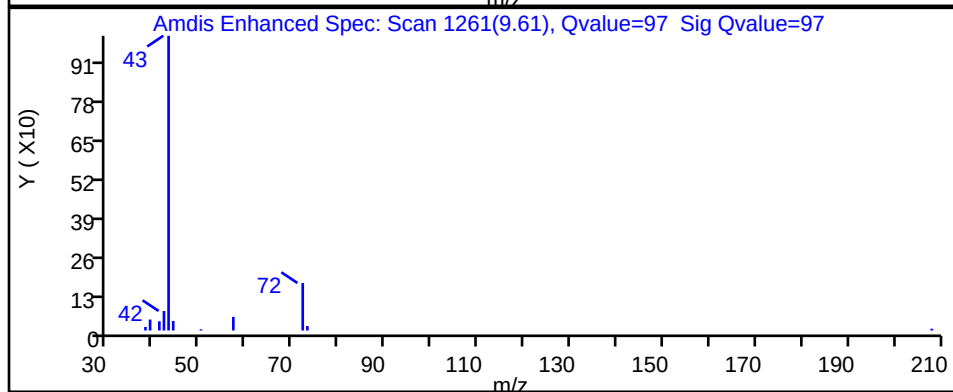
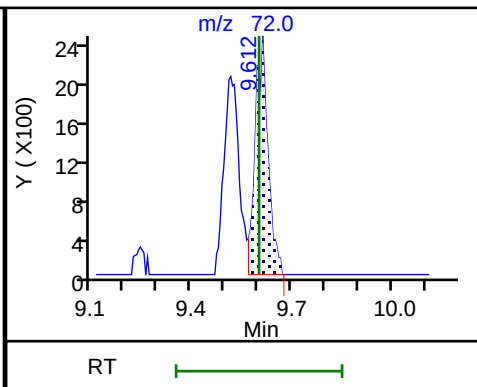
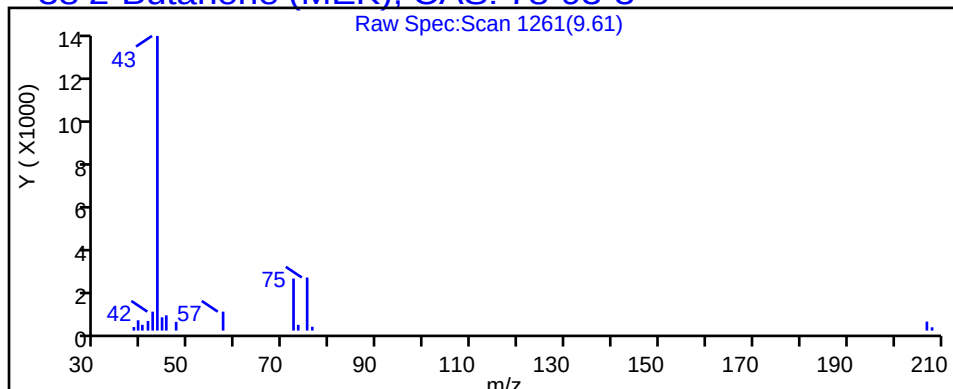
Dil. Factor: 2.9900

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

38 2-Butanone (MEK), CAS: 78-93-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D

Injection Date: 21-Feb-2020 02:46:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 19

Worklist Smp#: 19

Purge Vol: 200.000 mL

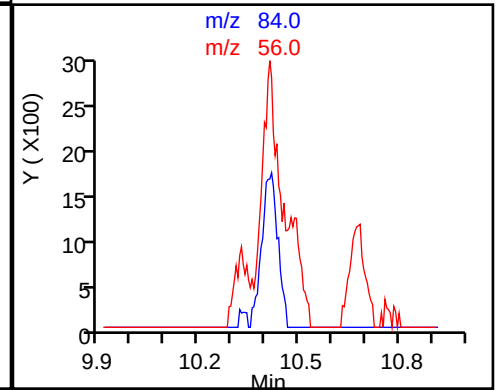
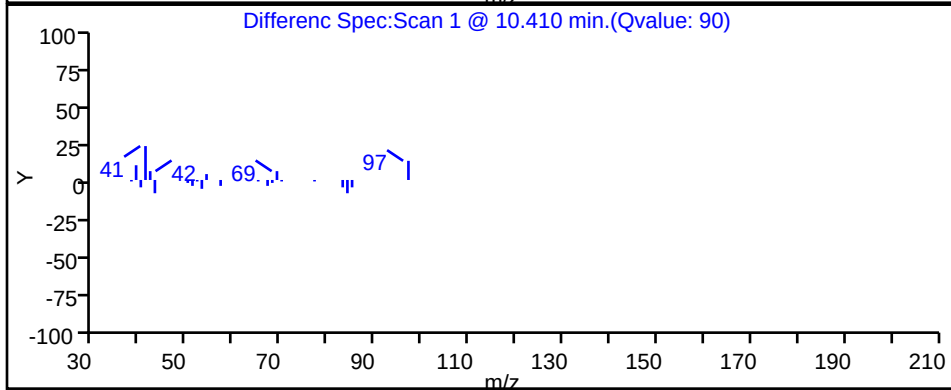
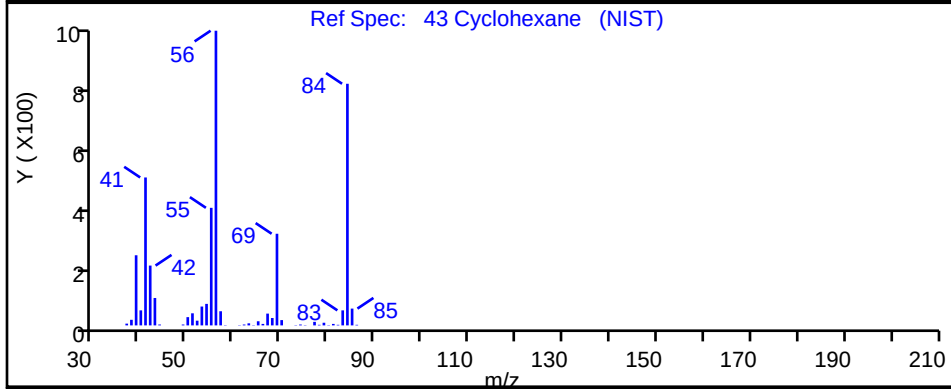
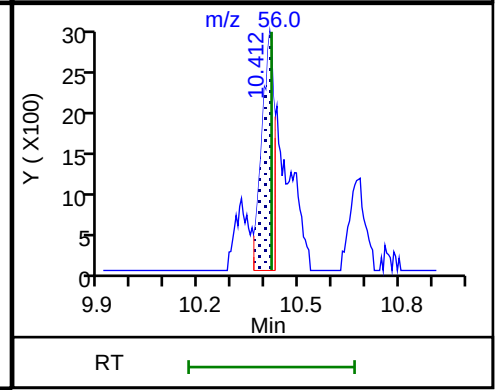
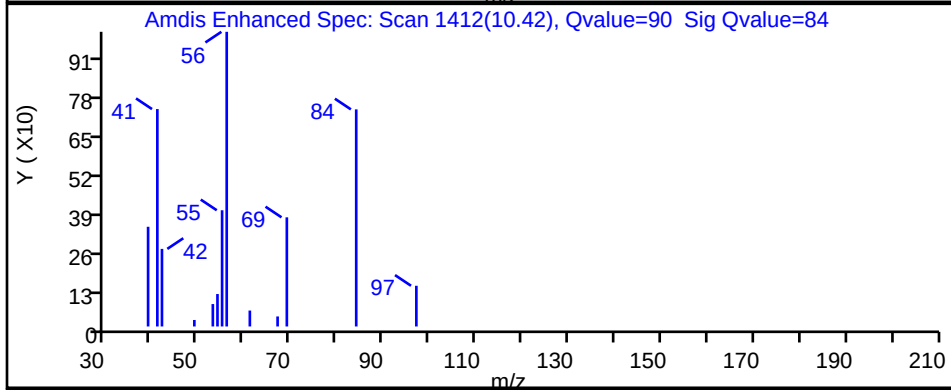
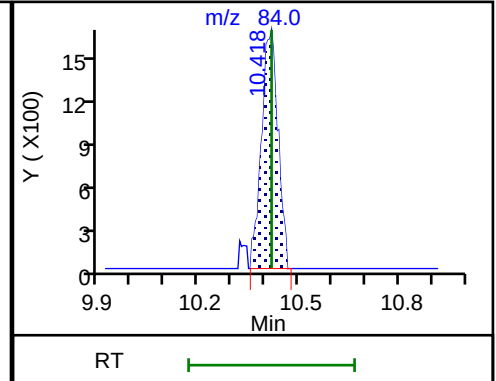
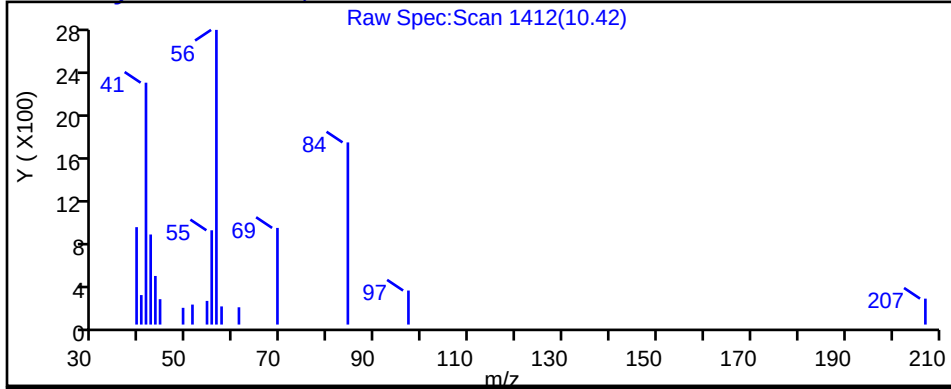
Dil. Factor: 2.9900

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

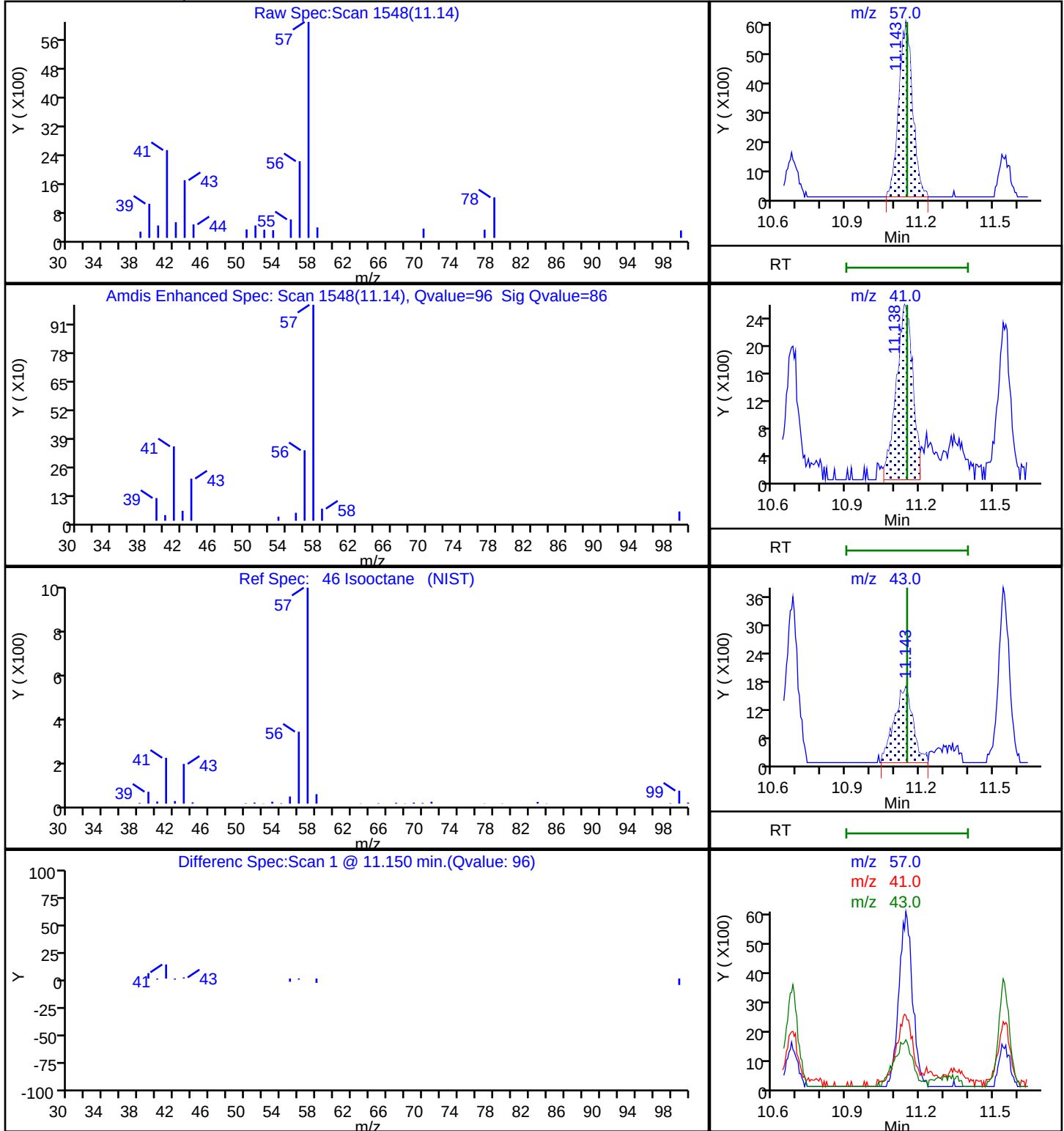
Column: RTX-624 (0.32 mm)

Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D
Injection Date: 21-Feb-2020 02:46:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-1 Lab Sample ID: 200-52685-1
Client ID: SS-SV-04-021420
Operator ID: ggg ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 2.9900
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

46 Isooctane, CAS: 540-84-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D

Injection Date: 21-Feb-2020 02:46:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 19

Worklist Smp#: 19

Purge Vol: 200.000 mL

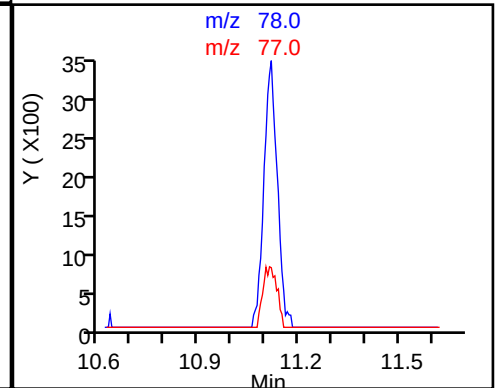
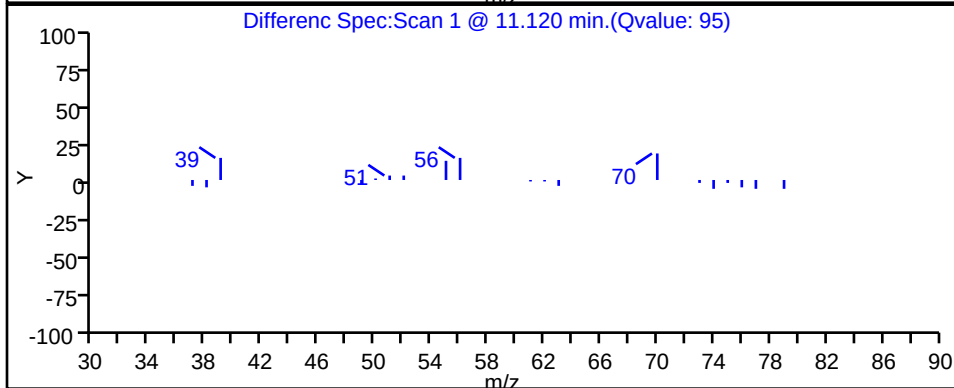
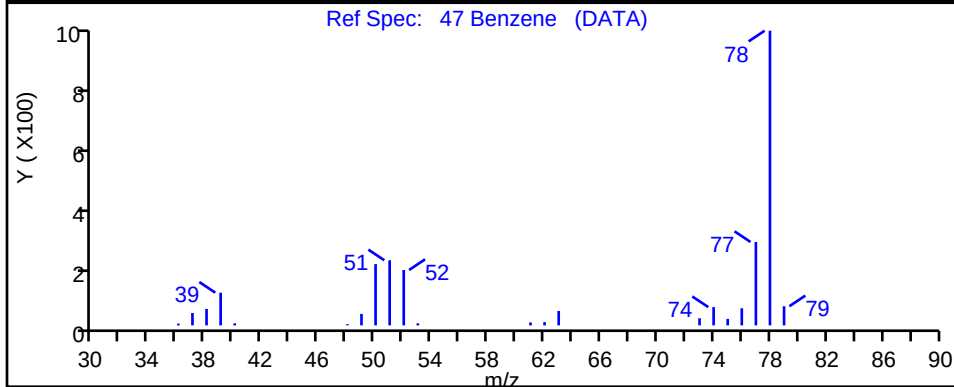
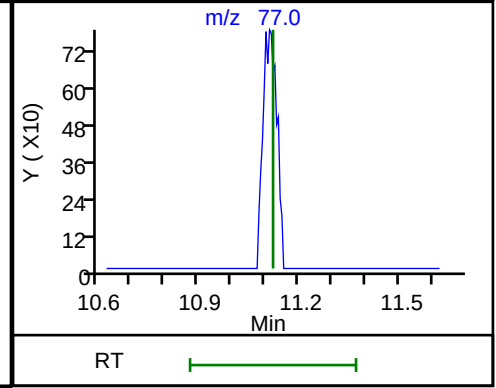
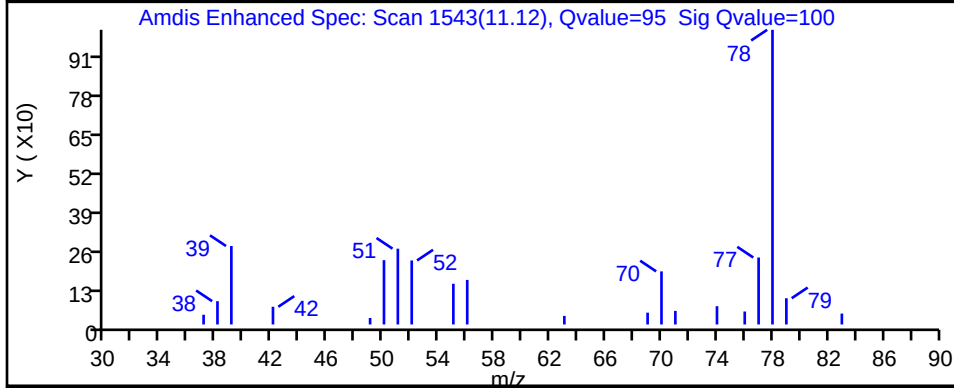
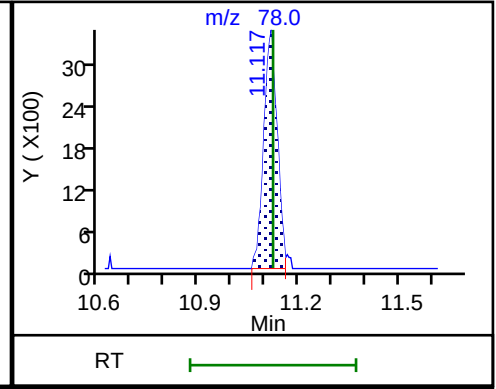
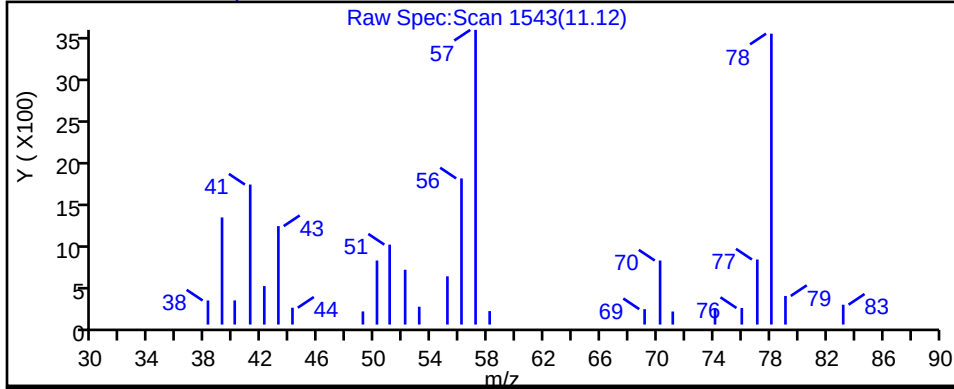
Dil. Factor: 2.9900

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

47 Benzene, CAS: 71-43-2

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D

Injection Date: 21-Feb-2020 02:46:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 19

Worklist Smp#: 19

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

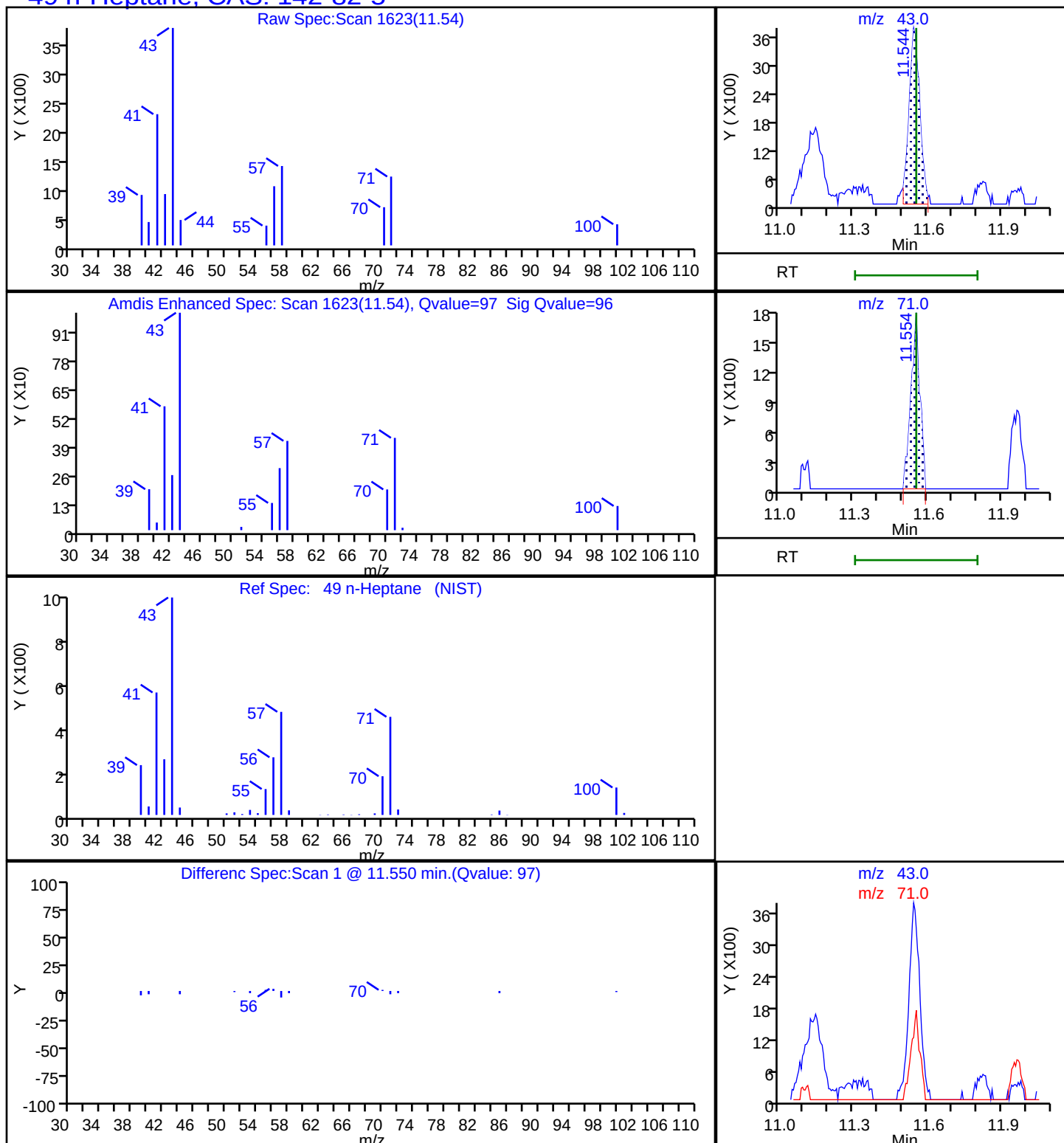
Method: TO15 MasterMethod (v1) CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector MS SCAN

49 n-Heptane, CAS: 142-82-5



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D

Injection Date: 21-Feb-2020 02:46:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 19

Worklist Smp#: 19

Purge Vol: 200.000 mL

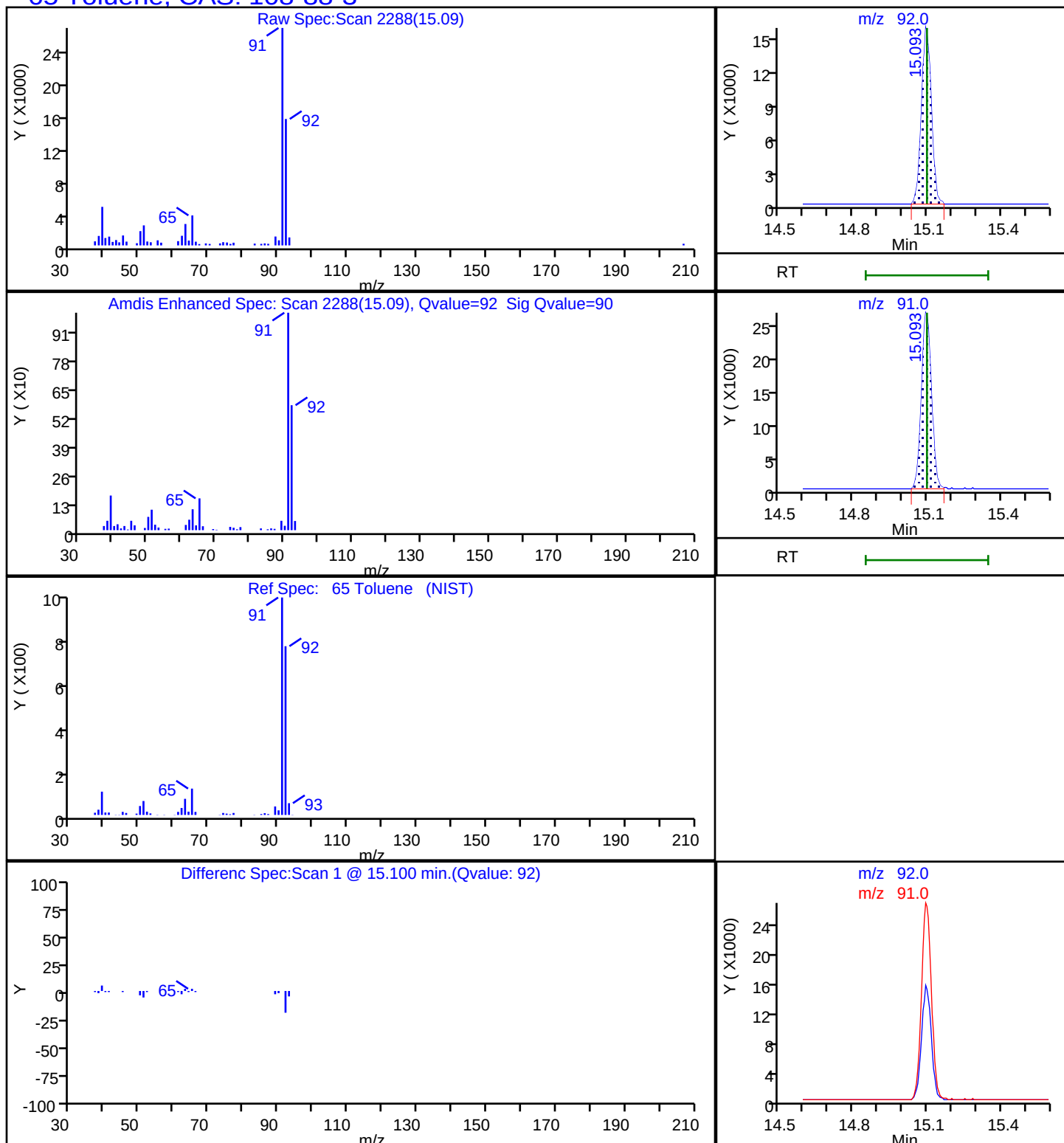
Dil. Factor: 2.9900

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

65 Toluene, CAS: 108-88-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D

Injection Date: 21-Feb-2020 02:46:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 19

Worklist Smp#: 19

Purge Vol: 200.000 mL

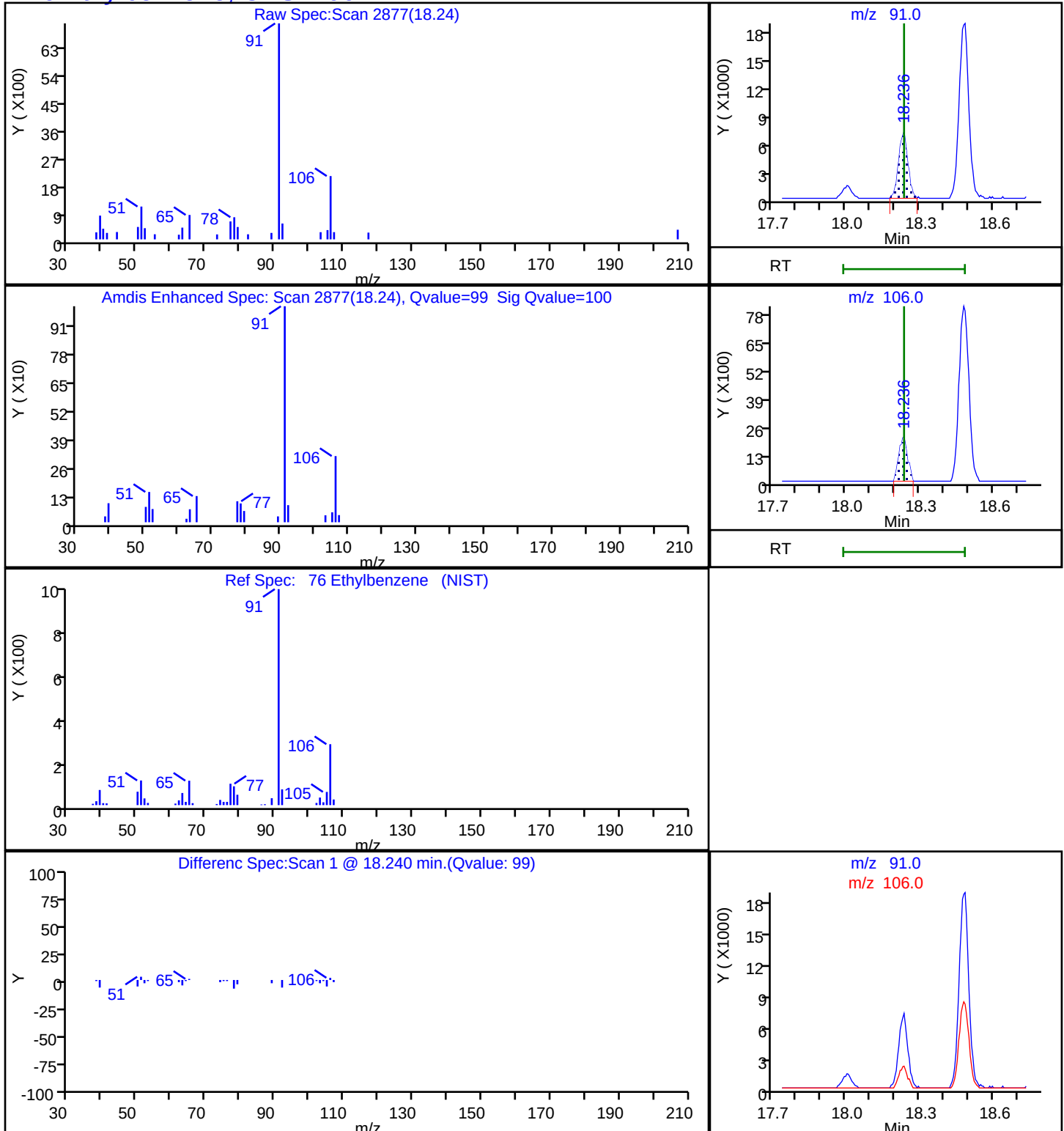
Dil. Factor: 2.9900

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 Ethylbenzene, CAS: 100-41-4

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D

Injection Date: 21-Feb-2020 02:46:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 19

Worklist Smp#: 19

Purge Vol: 200.000 mL

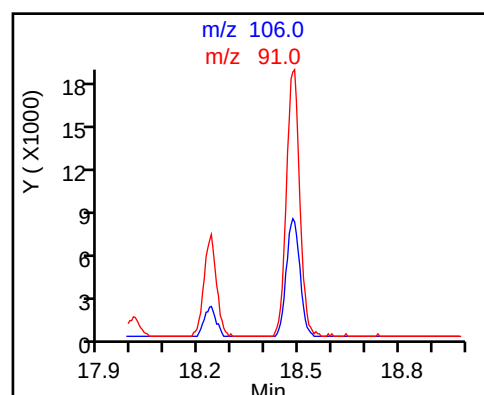
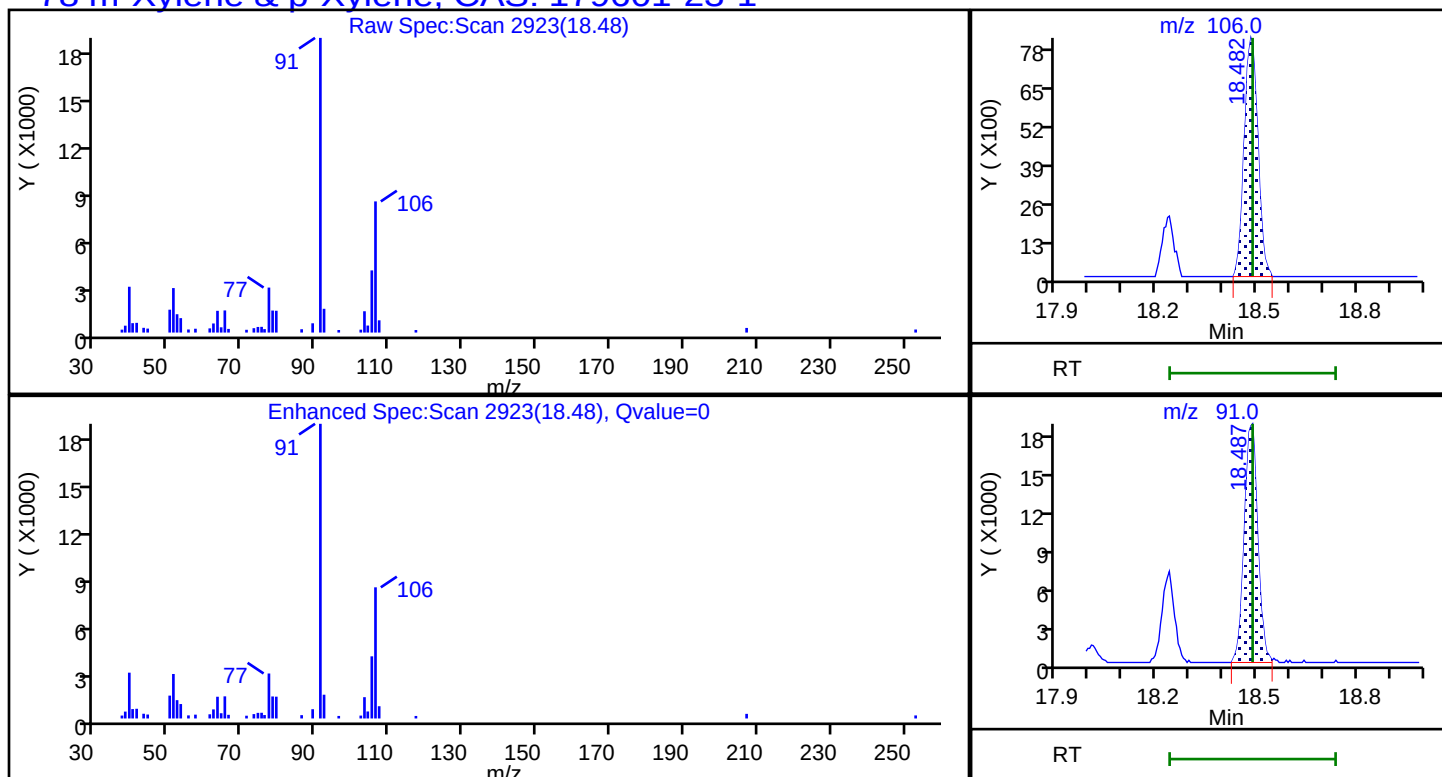
Dil. Factor: 2.9900

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

78 m-Xylene & p-Xylene, CAS: 179601-23-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D

Injection Date: 21-Feb-2020 02:46:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 19

Worklist Smp#: 19

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

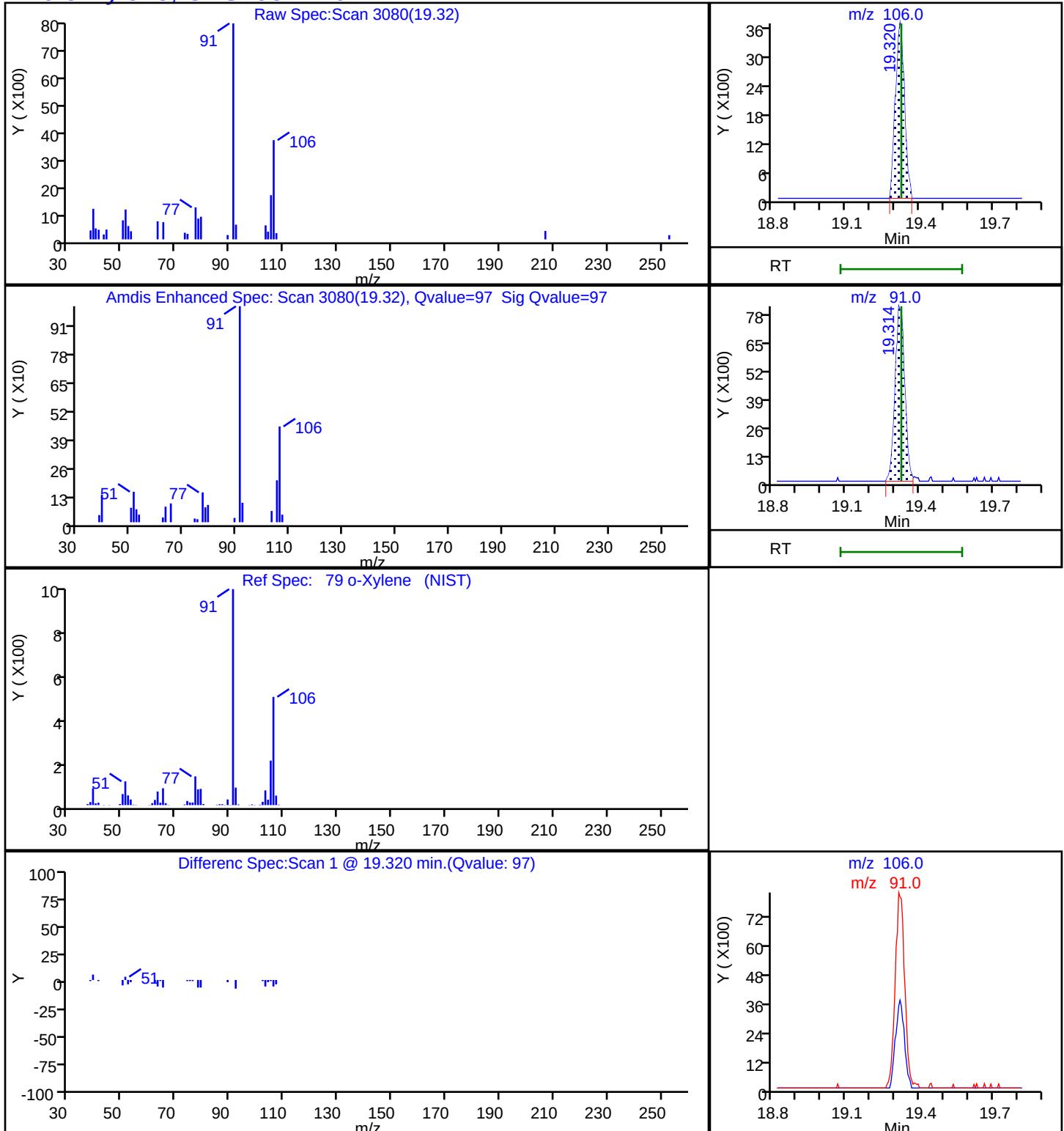
Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

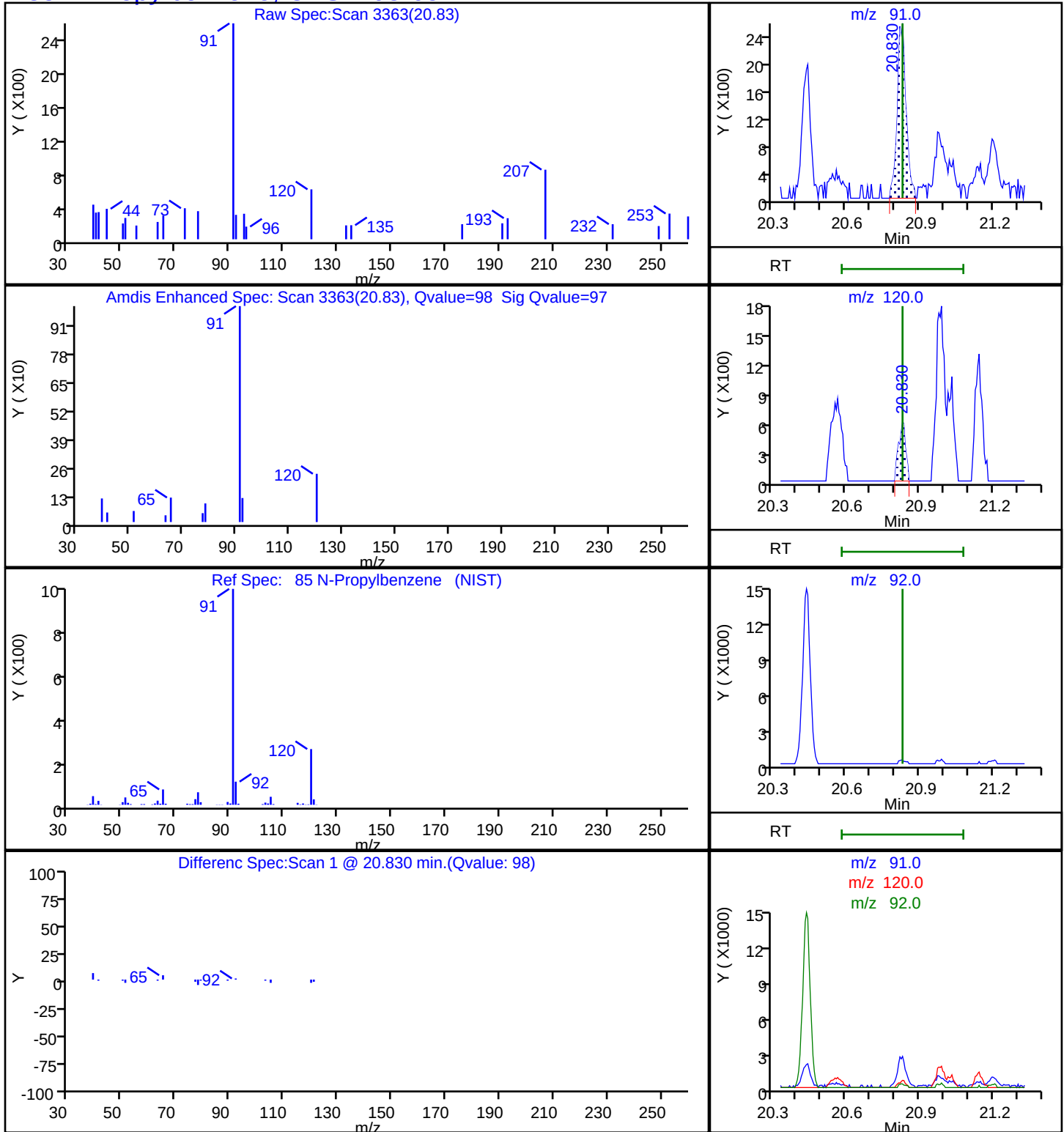
Detector: MS SCAN

79 o-Xylene, CAS: 95-47-6



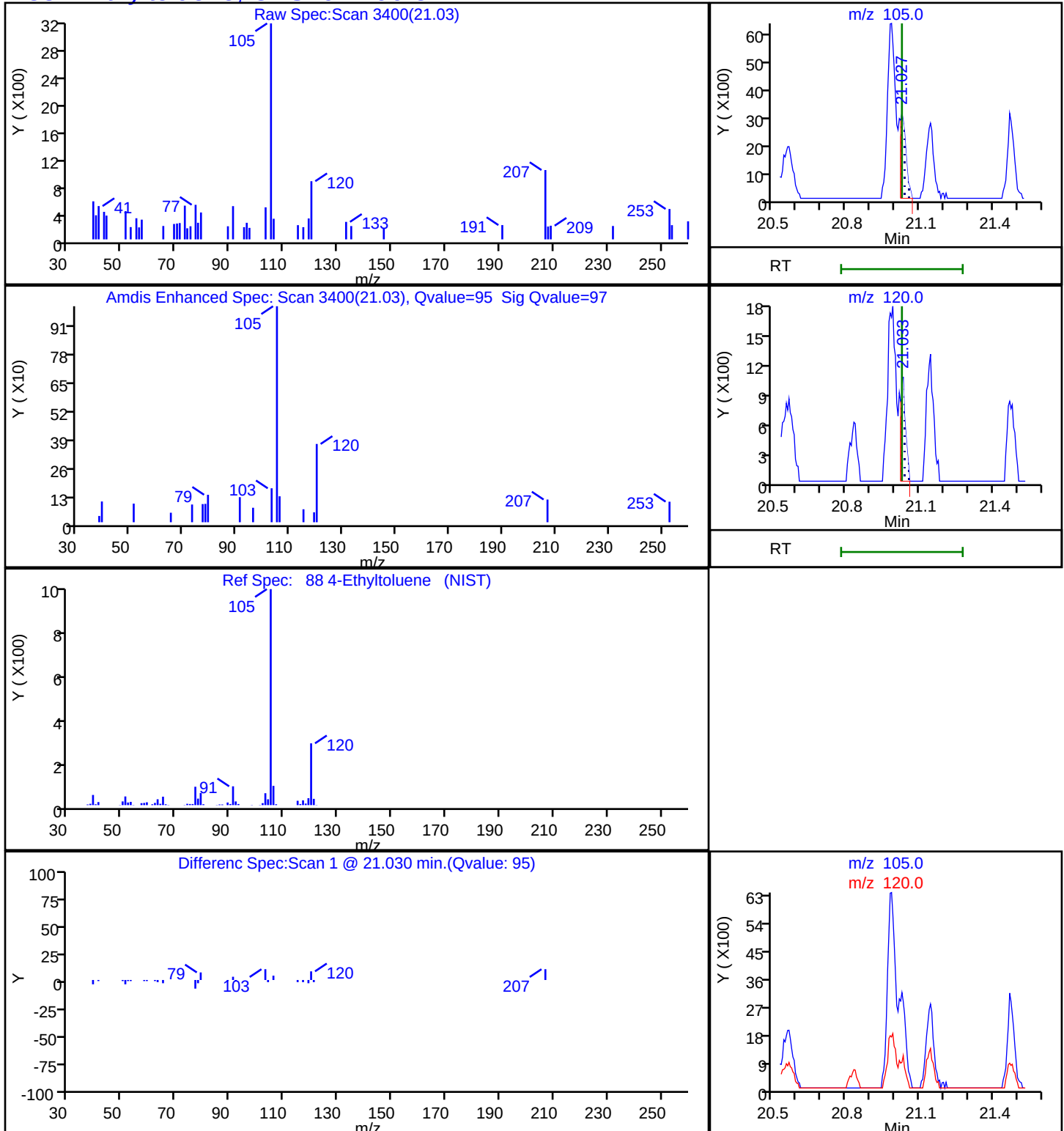
Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D
Injection Date: 21-Feb-2020 02:46:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-1 Lab Sample ID: 200-52685-1
Client ID: SS-SV-04-021420
Operator ID: ggg ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 2.9900
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

85 N-Propylbenzene, CAS: 103-65-1

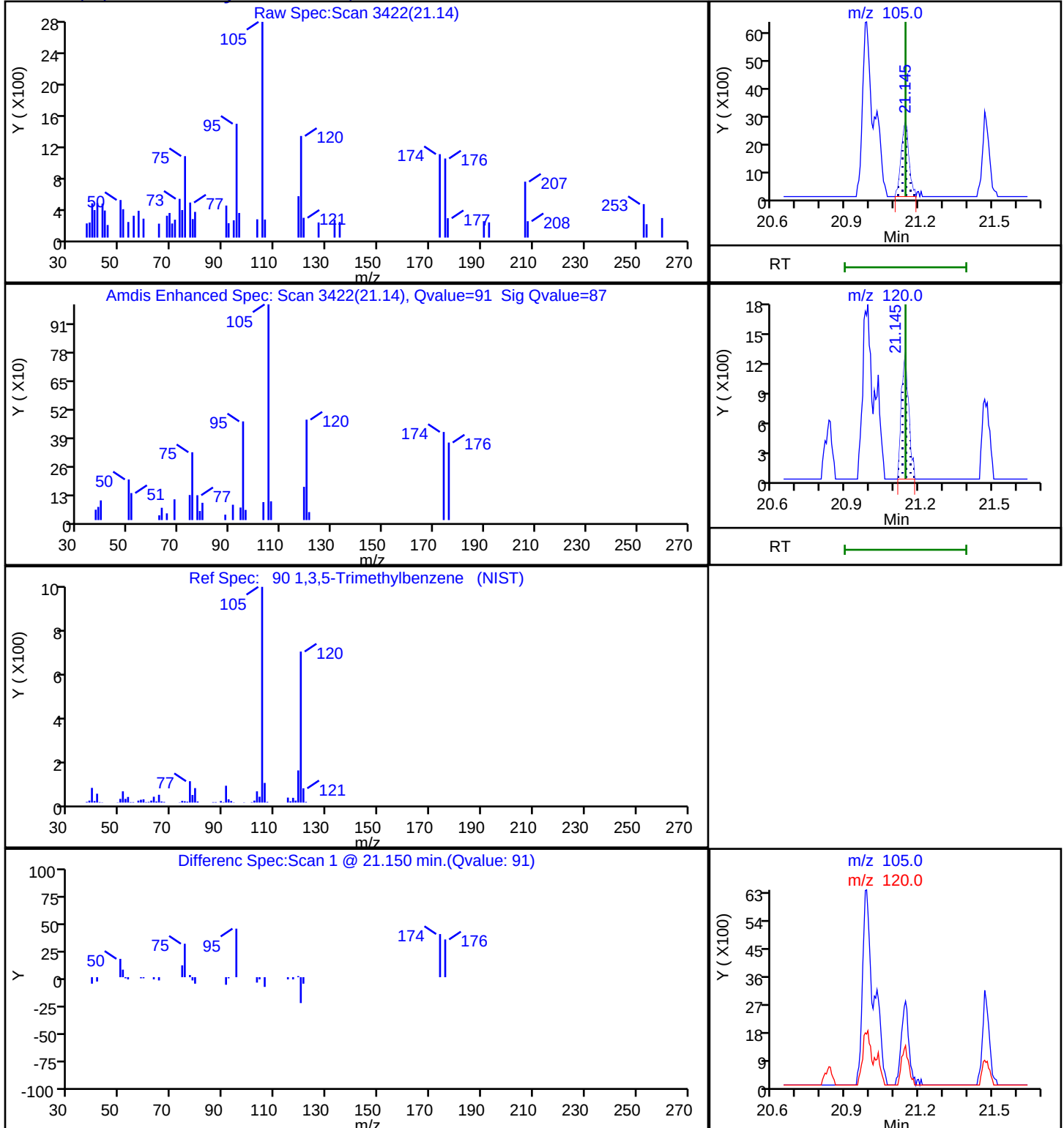
Eurofins TestAmerica, Burlington

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Injection Date: 21-Feb-2020 02:46:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-1 Lab Sample ID: 200-52685-1
Client ID: SS-SV-04-021420
Operator ID: ggg ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 2.9900
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

88 4-Ethyltoluene, CAS: 622-96-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D
Injection Date: 21-Feb-2020 02:46:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-1 Lab Sample ID: 200-52685-1
Client ID: SS-SV-04-021420
Operator ID: ggg ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 2.9900
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

90 1,3,5-Trimethylbenzene, CAS: 108-67-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D

Injection Date: 21-Feb-2020 02:46:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 19

Worklist Smp#: 19

Purge Vol: 200.000 mL

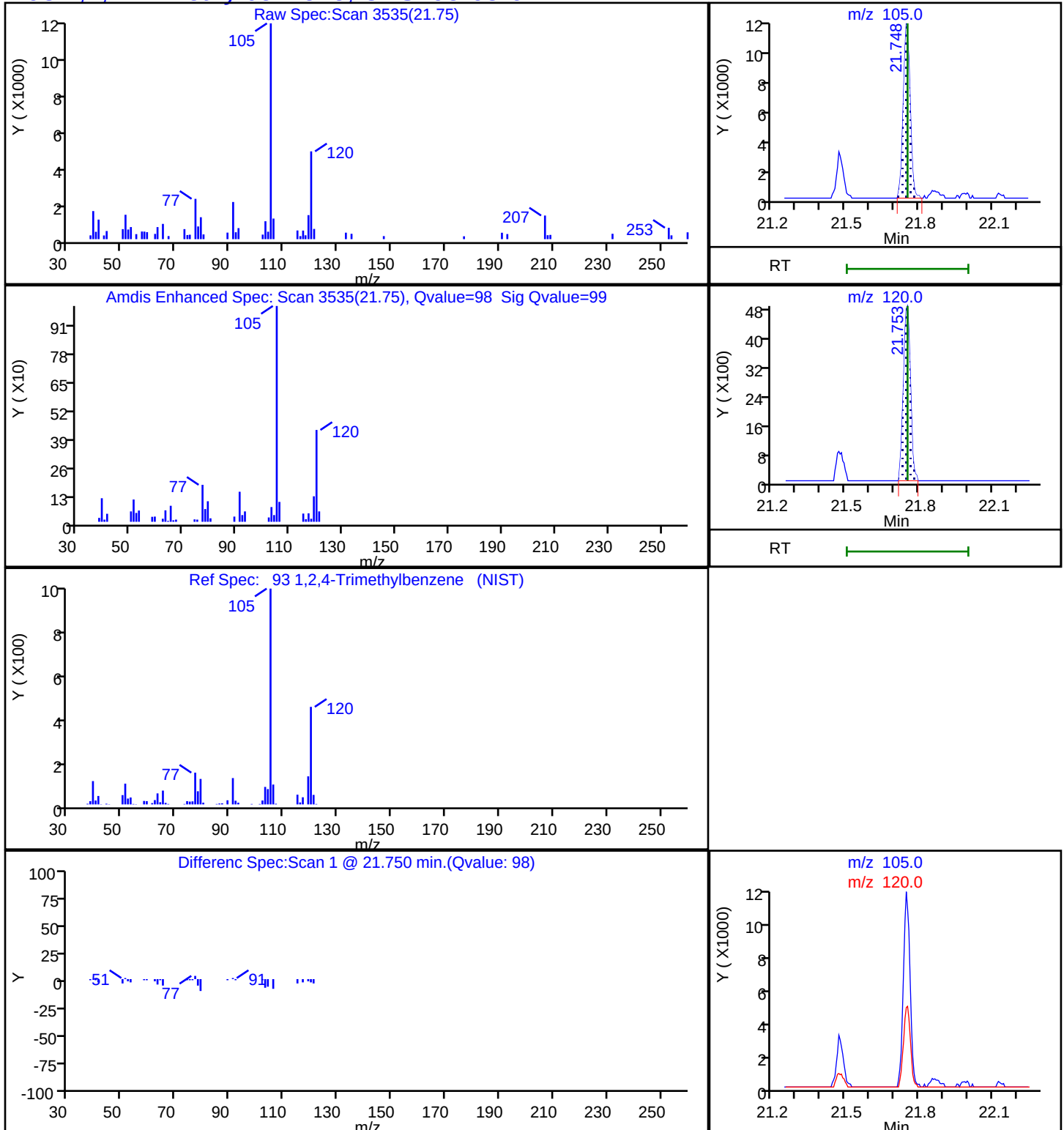
Dil. Factor: 2.9900

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

93 1,2,4-Trimethylbenzene, CAS: 95-63-6

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D

Injection Date: 21-Feb-2020 02:46:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 19 Worklist Smp#: 19

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

Method: TO15_MasterMethod_(v1)_CHC.i

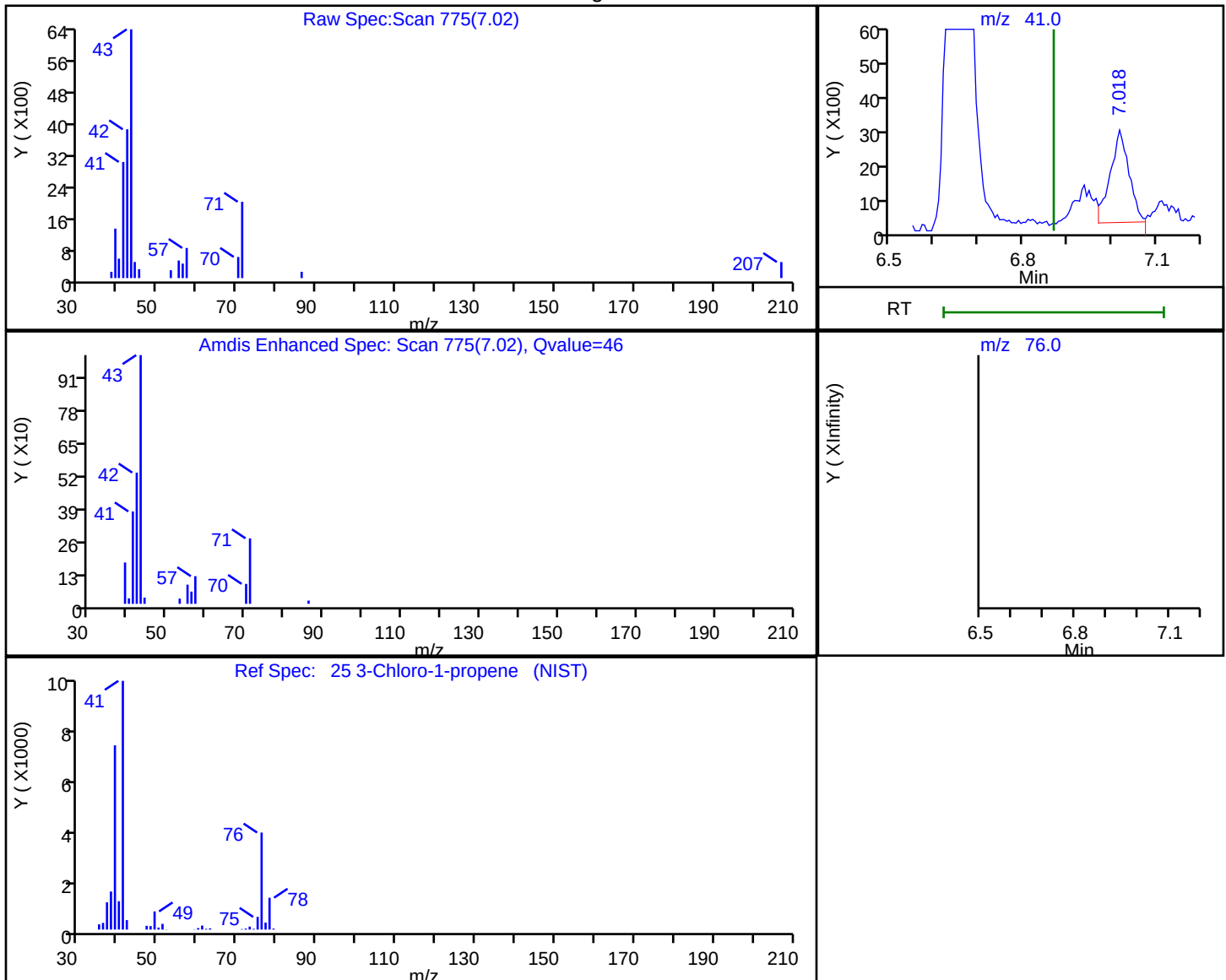
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

25 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
7.02	41.00	8089	0.258165
6.87	76.00	0	

Reviewer: bunmaa, 21-Feb-2020 15:36:42

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

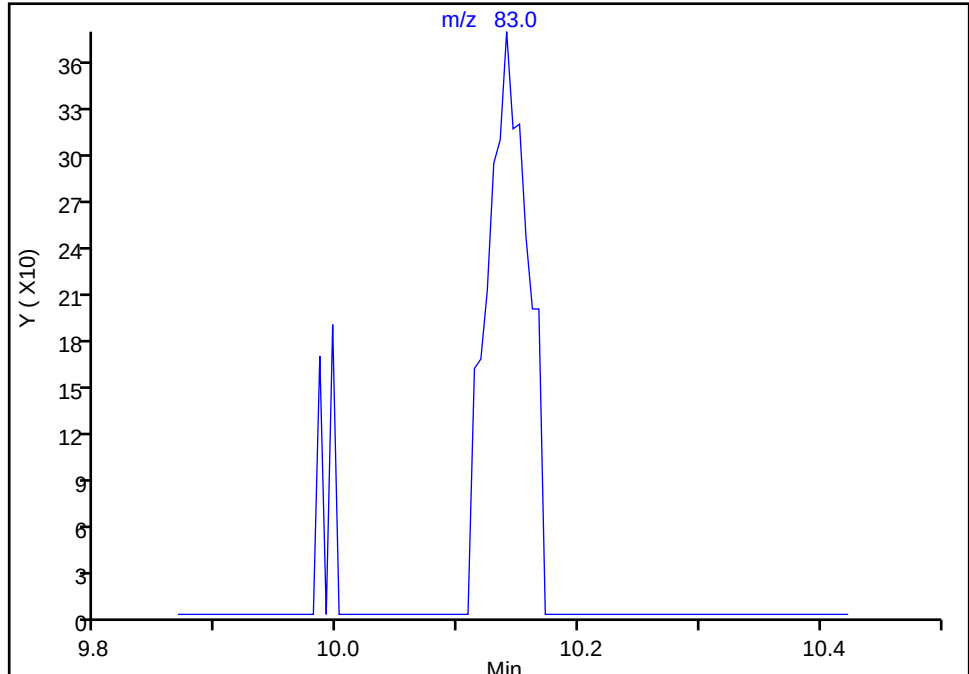
Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D
Injection Date: 21-Feb-2020 02:46:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-1 Lab Sample ID: 200-52685-1
Client ID: SS-SV-04-021420
Operator ID: ggg ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 2.9900
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

42 Chloroform, CAS: 67-66-3

Signal: 1

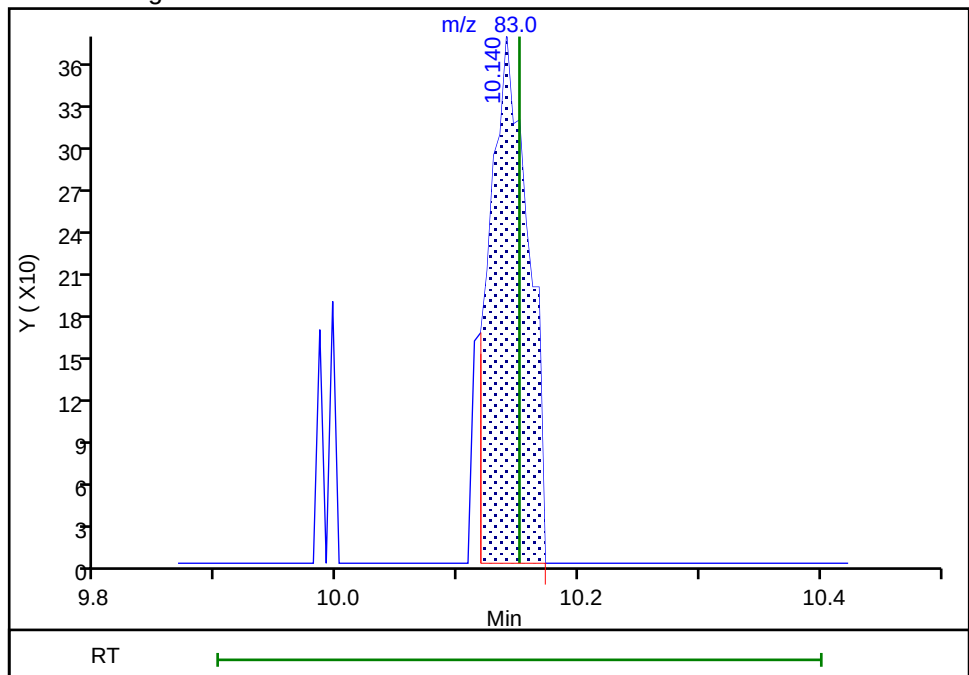
Not Detected
Expected RT: 10.15

Processing Integration Results



RT: 10.14
Area: 828
Amount: 0.019841
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 15:37:33
Audit Action: Manually Integrated

Audit Reason: Assign Peak
Page 183 of 968

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D

Injection Date: 21-Feb-2020 02:46:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#:

19

Worklist Smp#: 19

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

Method: TO15_MasterMethod_(v1)_CHC.i

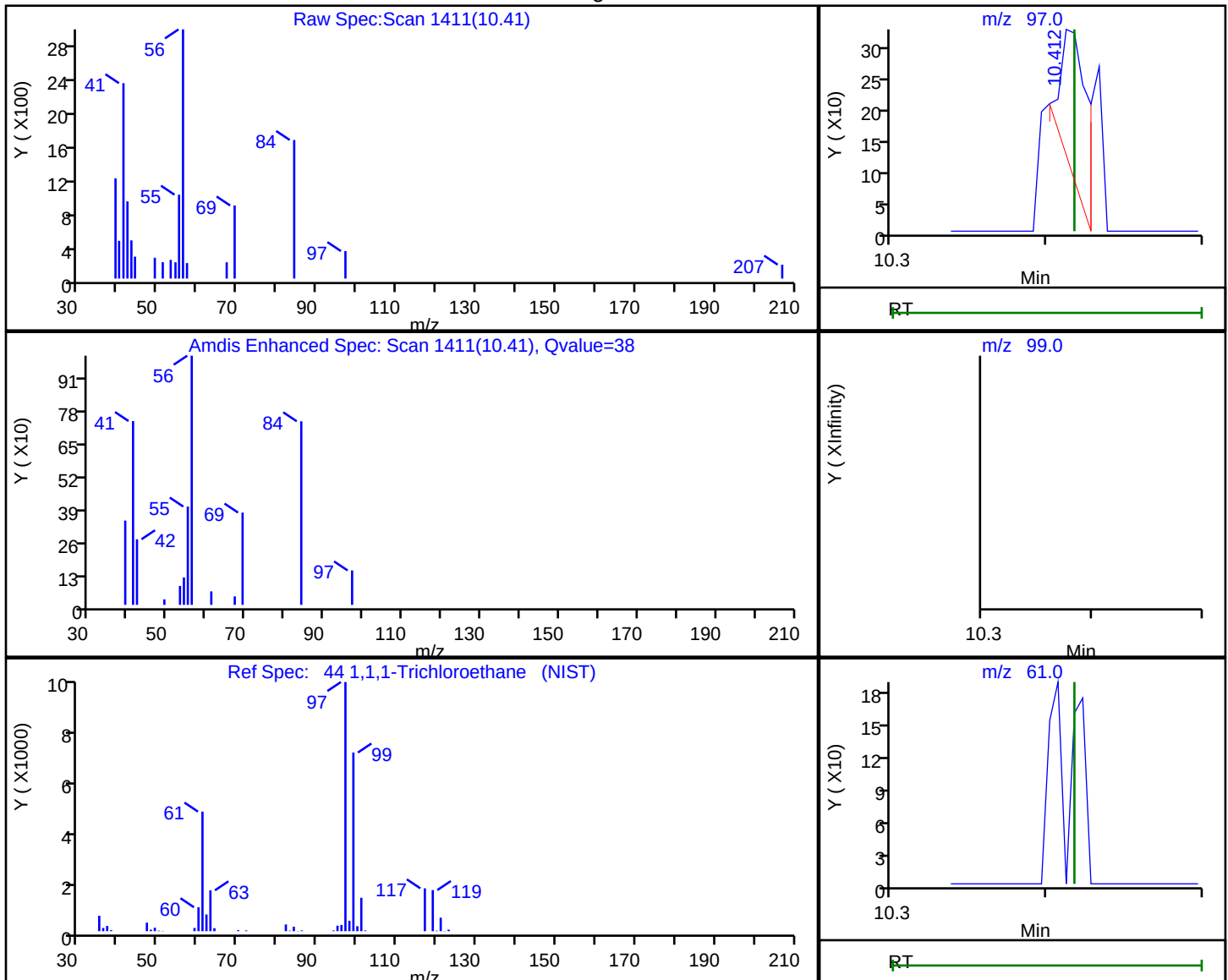
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

44 1,1,1-Trichloroethane, CAS: 71-55-6

Processing Results



RT	Mass	Response	Amount
10.41	97.00	281	0.006335
10.42	99.00	0	
10.42	61.00	0	

Reviewer: bunmaa, 21-Feb-2020 15:38:40

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

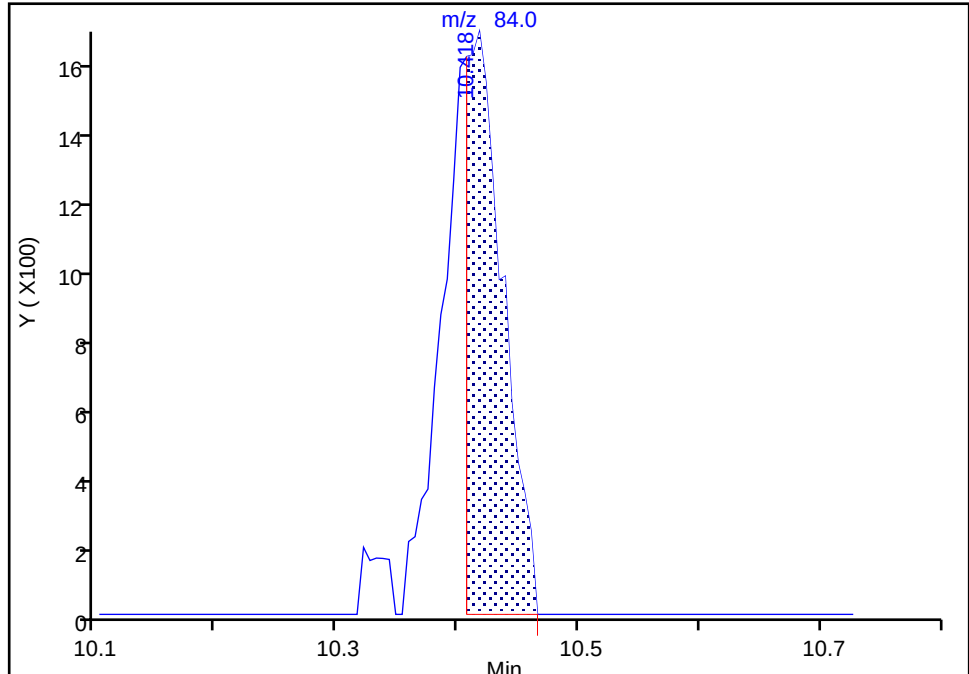
Data File:	\\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D		
Injection Date:	21-Feb-2020 02:46:30	Instrument ID:	CHC.i
Lims ID:	200-52685-A-1	Lab Sample ID:	200-52685-1
Client ID:	SS-SV-04-021420		
Operator ID:	ggg	ALS Bottle#:	19
Purge Vol:	200.000 mL	Dil. Factor:	2.9900
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	19

43 Cyclohexane, CAS: 110-82-7

Signal: 1

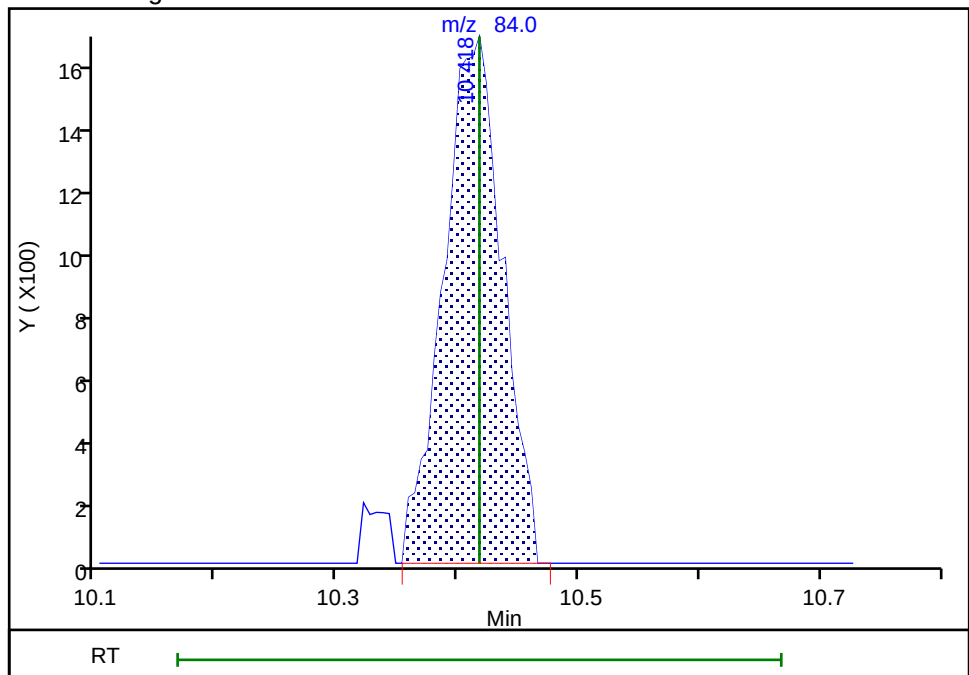
RT: 10.42
Area: 3630
Amount: 0.137263
Amount Units: ppb v/v

Processing Integration Results



RT: 10.42
Area: 5701
Amount: 0.215574
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 15:37:58

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

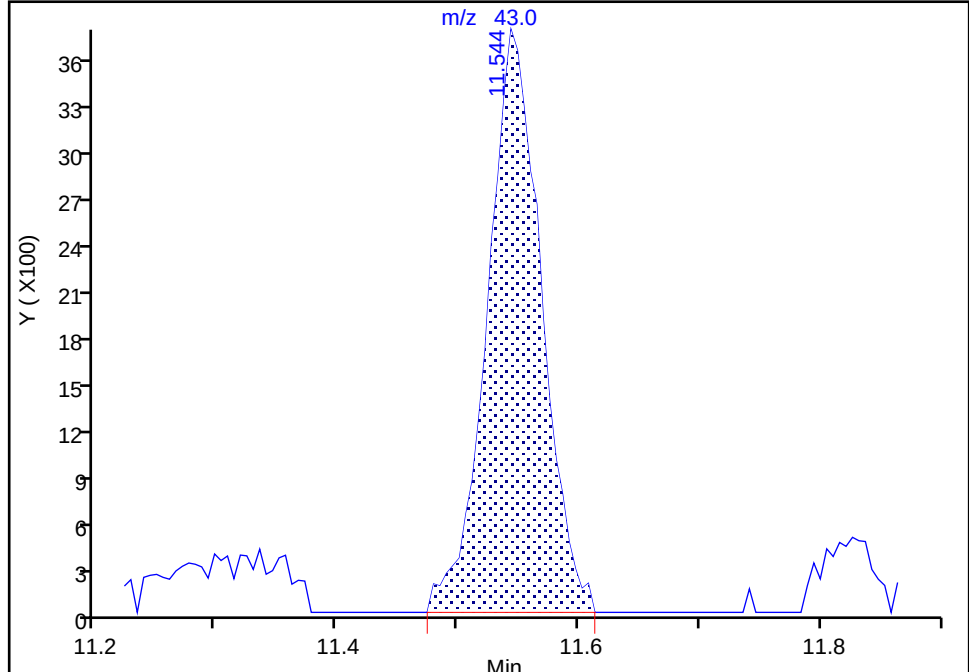
Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D
Injection Date: 21-Feb-2020 02:46:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-1 Lab Sample ID: 200-52685-1
Client ID: SS-SV-04-021420
Operator ID: ggg ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 2.9900
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

49 n-Heptane, CAS: 142-82-5

Signal: 1

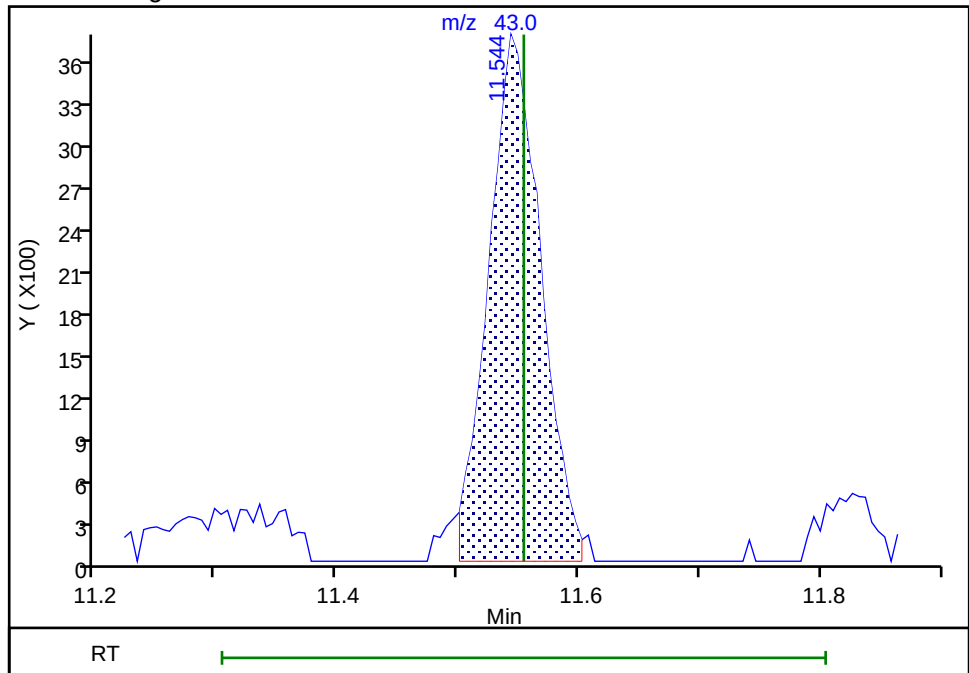
RT: 11.54
Area: 11630
Amount: 0.190379
Amount Units: ppb v/v

Processing Integration Results



RT: 11.54
Area: 11283
Amount: 0.184699
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 15:39:20

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D

Injection Date: 21-Feb-2020 02:46:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 19 Worklist Smp#: 19

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

Method: TO15_MasterMethod_(v1)_CHC.i

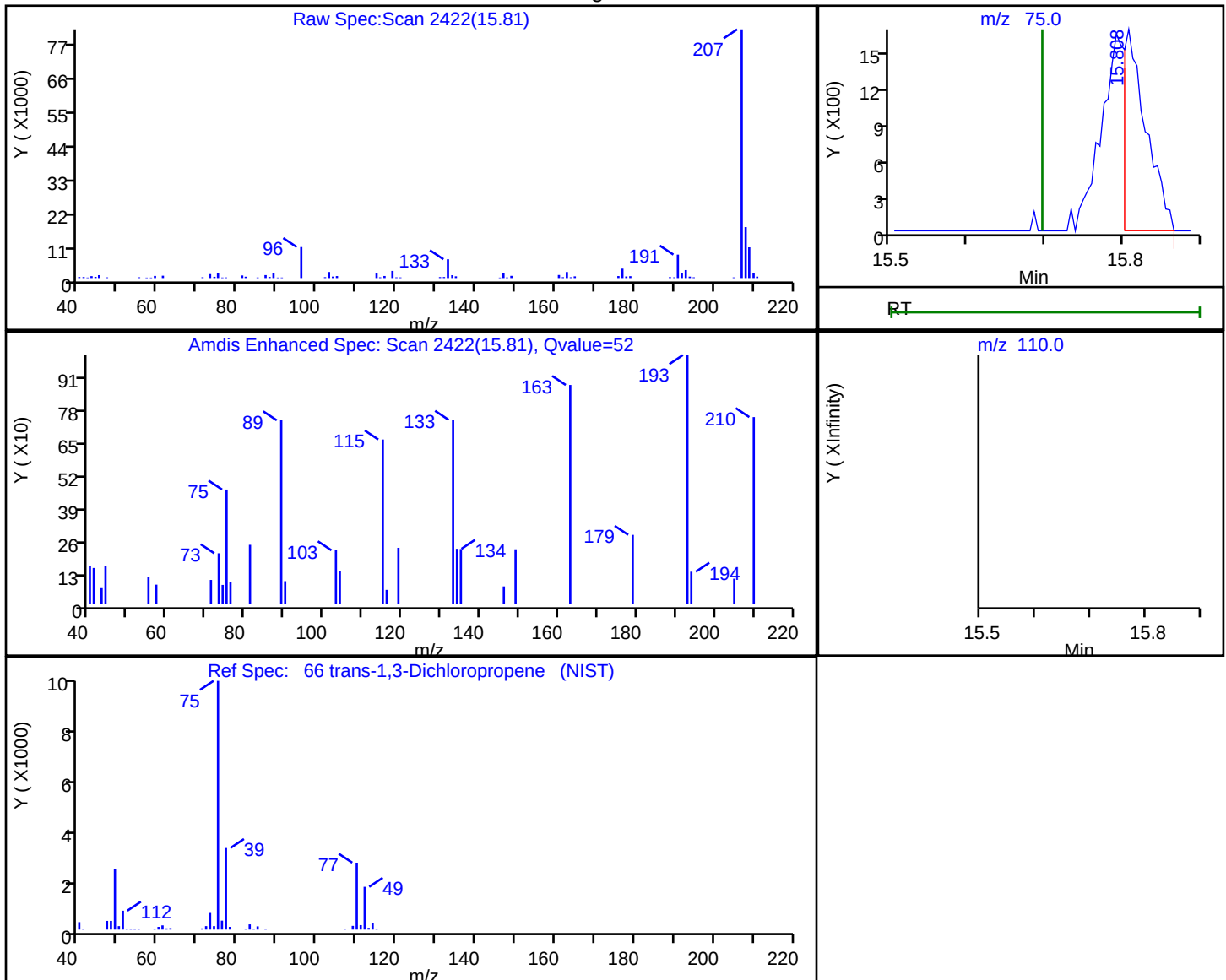
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector MS SCAN

66 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
15.81	75.00	3243	0.075285
15.70	110.00	0	

Reviewer: bunmaa, 21-Feb-2020 15:39:50

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D

Injection Date: 21-Feb-2020 02:46:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 19 Worklist Smp#: 19

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

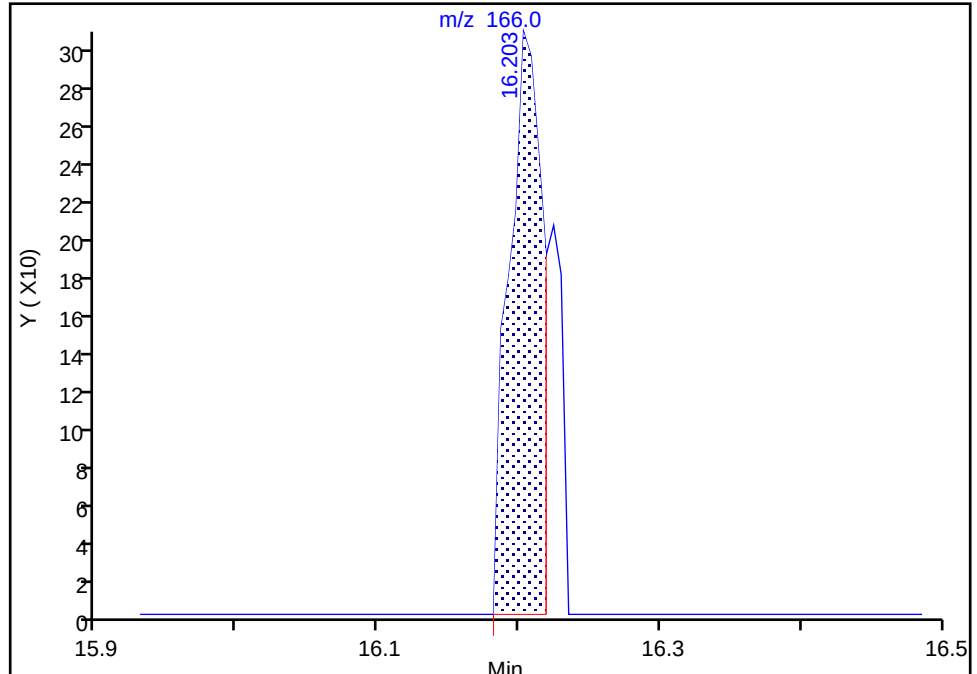
Detector: MS SCAN

68 Tetrachloroethene, CAS: 127-18-4

Signal: 1

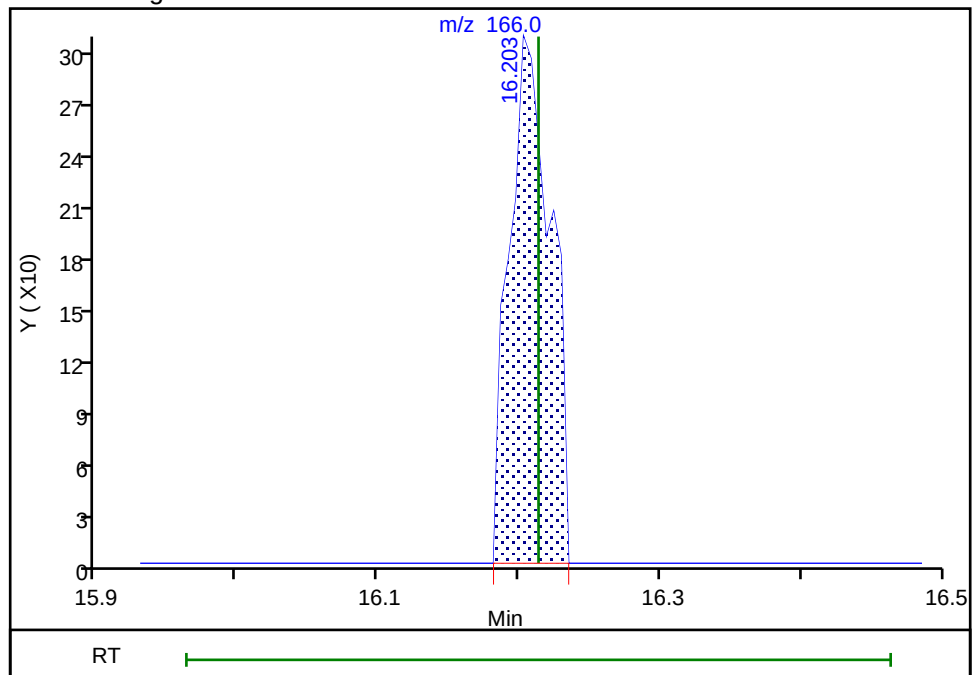
RT: 16.20
Area: 509
Amount: 0.014987
Amount Units: ppb v/v

Processing Integration Results



RT: 16.20
Area: 633
Amount: 0.018638
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 15:40:01

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D

Injection Date: 21-Feb-2020 02:46:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#: 19 Worklist Smp#: 19

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

Method: TO15_MasterMethod_(v1)_CHC.i

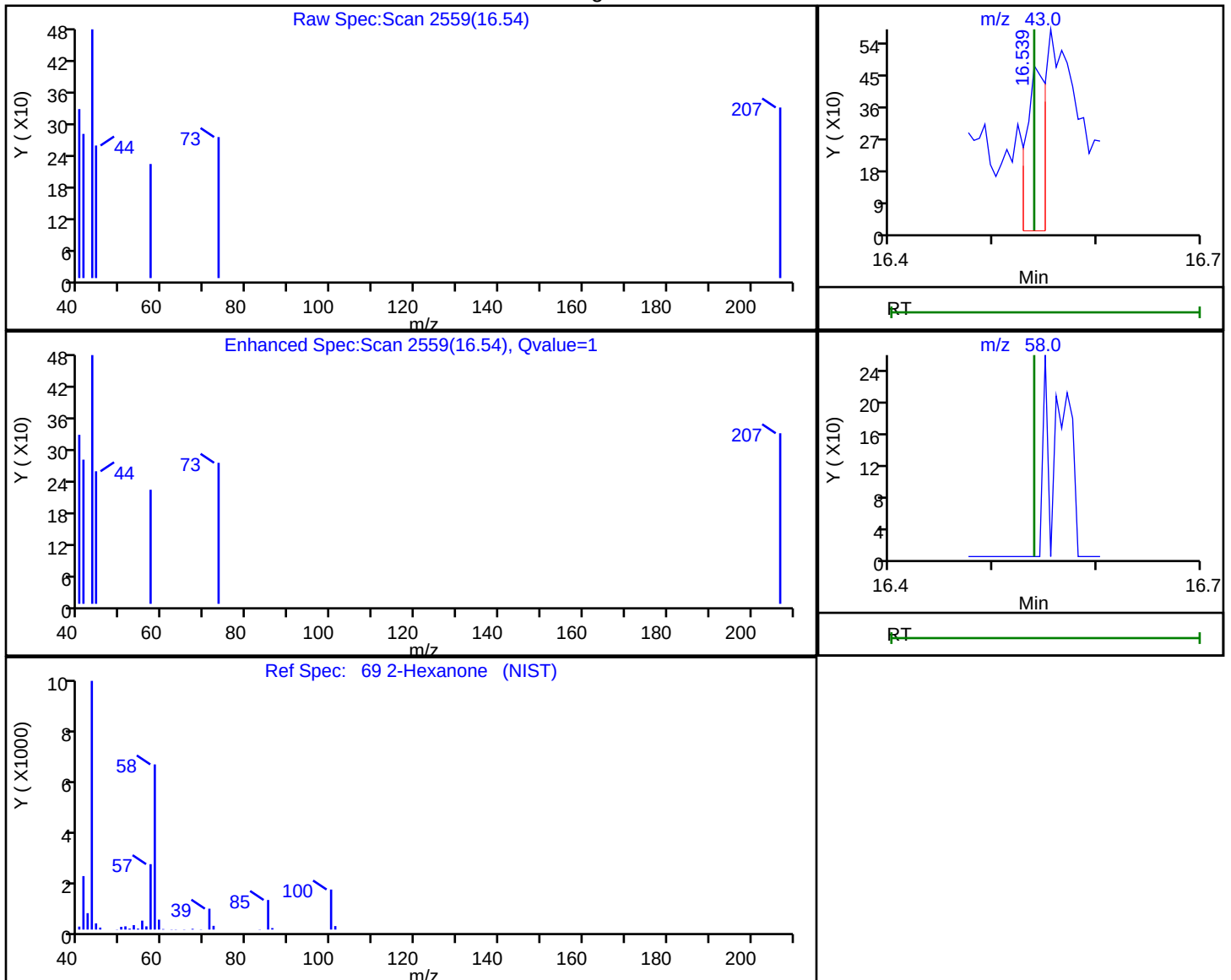
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

69 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
16.54	43.00	603	0.006929
16.54	58.00	0	

Reviewer: bunmaa, 21-Feb-2020 15:40:24

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

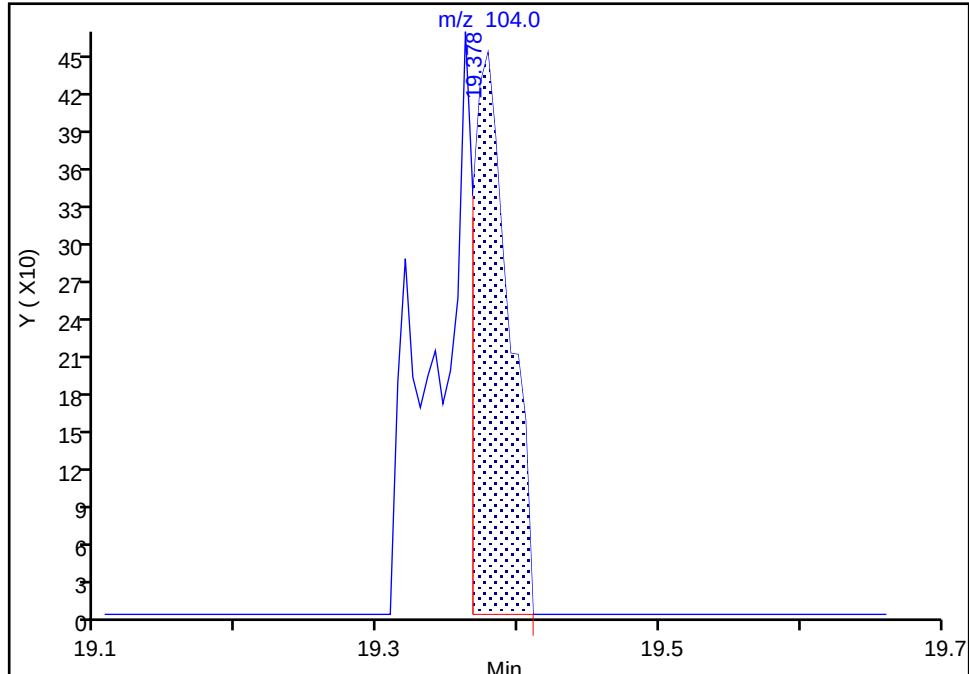
Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D
Injection Date: 21-Feb-2020 02:46:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-1 Lab Sample ID: 200-52685-1
Client ID: SS-SV-04-021420
Operator ID: ggg ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 2.9900
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

80 Styrene, CAS: 100-42-5

Signal: 1

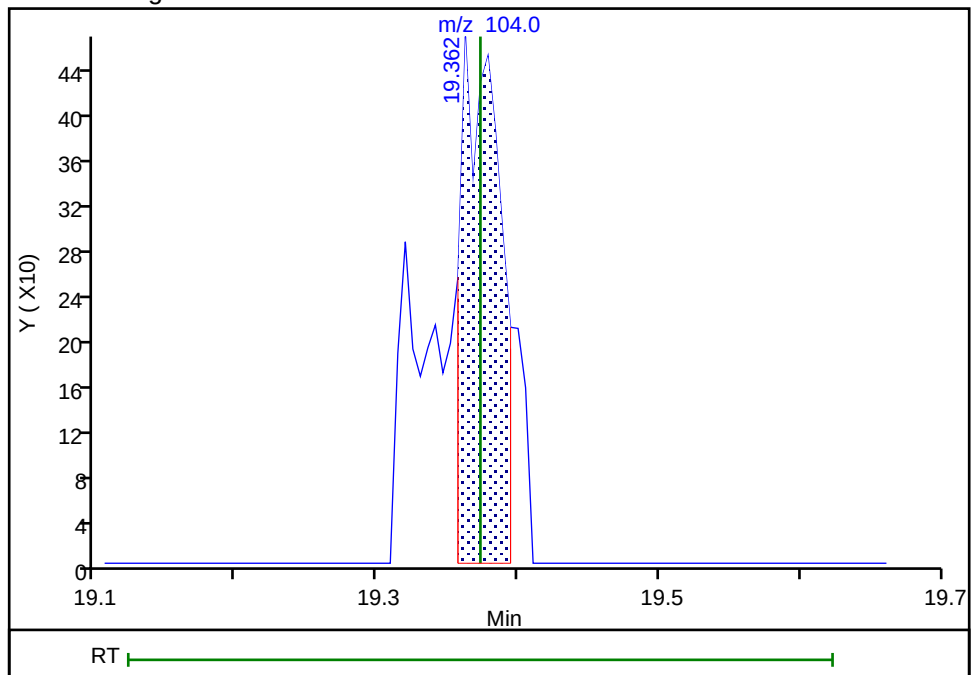
RT: 19.38
Area: 778
Amount: 0.013175
Amount Units: ppb v/v

Processing Integration Results



RT: 19.36
Area: 891
Amount: 0.015089
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 15:41:04

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

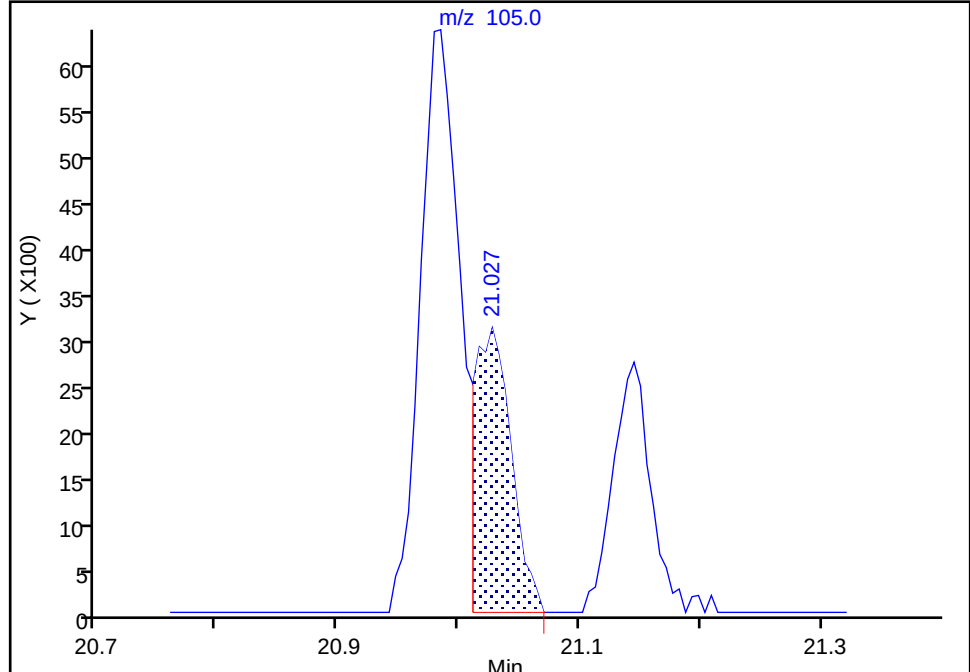
Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D
Injection Date: 21-Feb-2020 02:46:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-1 Lab Sample ID: 200-52685-1
Client ID: SS-SV-04-021420
Operator ID: ggg ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 2.9900
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

88 4-Ethyltoluene, CAS: 622-96-8

Signal: 1

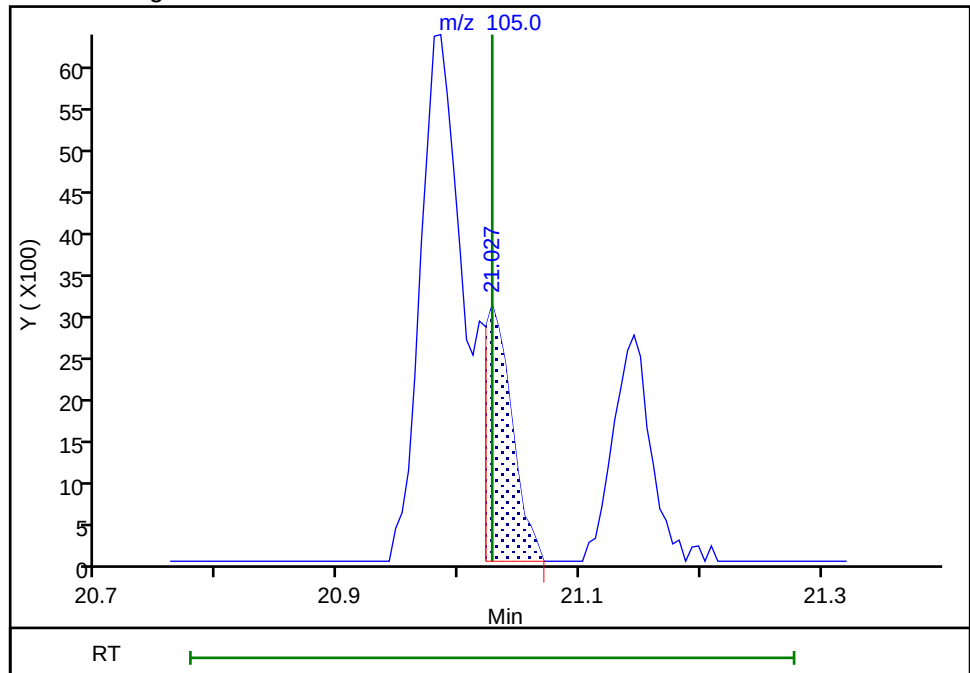
RT: 21.03
Area: 6591
Amount: 0.056595
Amount Units: ppb v/v

Processing Integration Results



RT: 21.03
Area: 4866
Amount: 0.041783
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 15:42:23

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D

Injection Date: 21-Feb-2020 02:46:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#:

19

Worklist Smp#: 19

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

Method: TO15_MasterMethod_(v1)_CHC.i

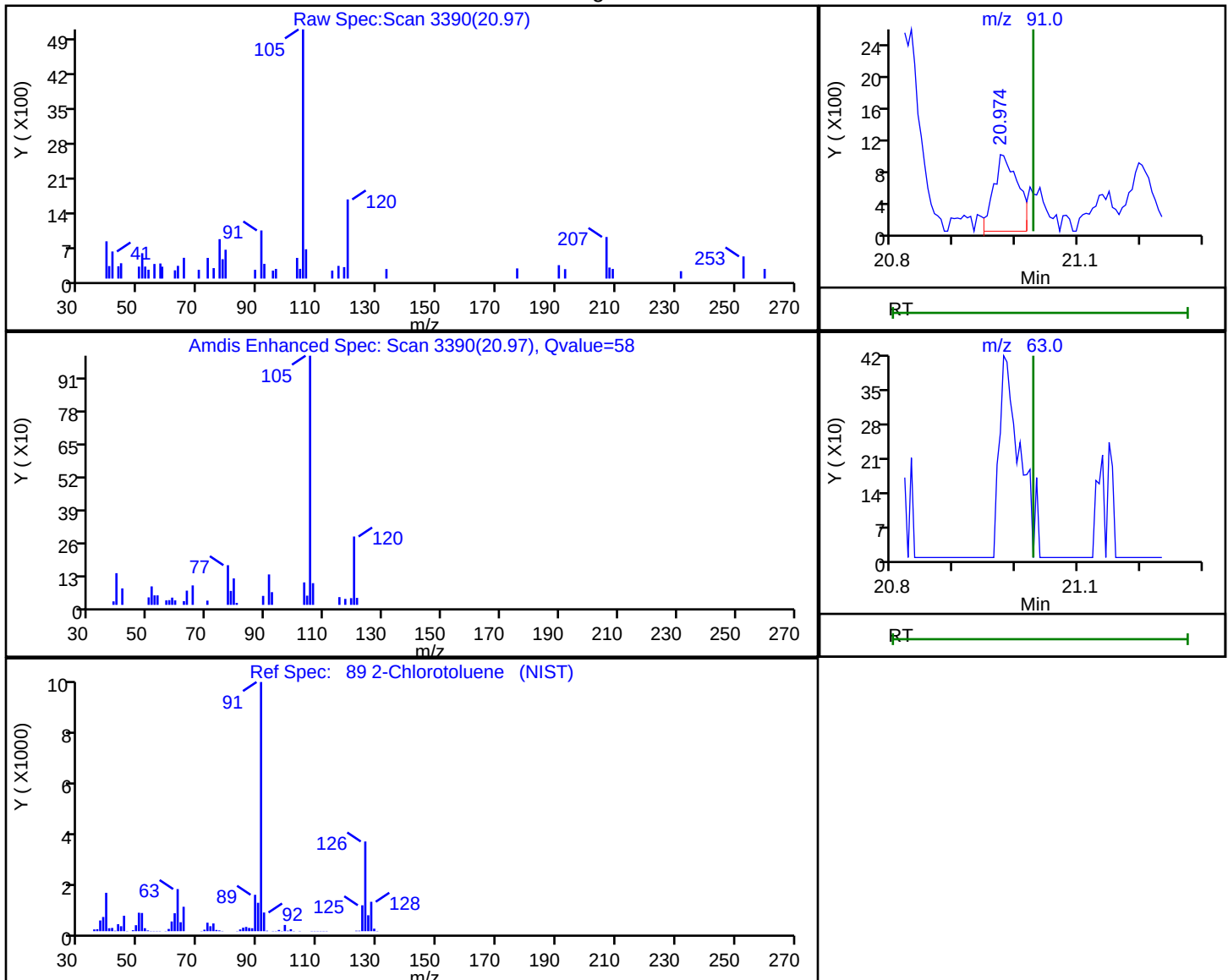
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

89 2-Chlorotoluene, CAS: 95-49-8

Processing Results



RT	Mass	Response	Amount
20.97	91.00	2688	0.025673
21.03	63.00	0	

Reviewer: bunmaa, 21-Feb-2020 15:41:58

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D

Injection Date: 21-Feb-2020 02:46:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#:

19

Worklist Smp#: 19

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

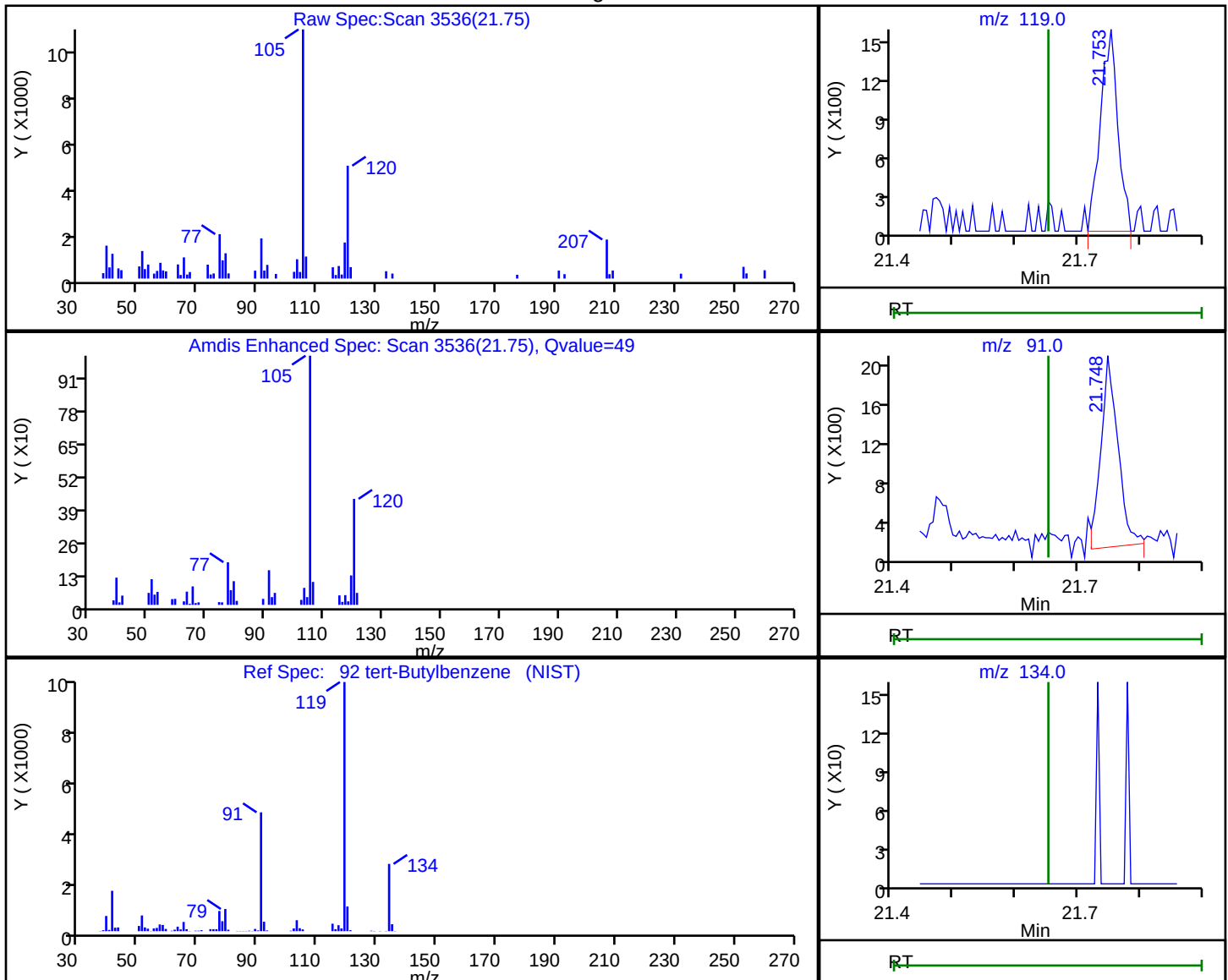
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

92 tert-Butylbenzene, CAS: 98-06-6

Processing Results



RT	Mass	Response	Amount
21.75	119.00	2992	0.033675
21.75	91.00	3637	
21.65	134.00	0	

Reviewer: bunmaa, 21-Feb-2020 15:42:43

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D

Injection Date: 21-Feb-2020 02:46:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-1

Lab Sample ID: 200-52685-1

Client ID: SS-SV-04-021420

Operator ID: ggg

ALS Bottle#:

19

Worklist Smp#: 19

Purge Vol: 200.000 mL

Dil. Factor: 2.9900

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

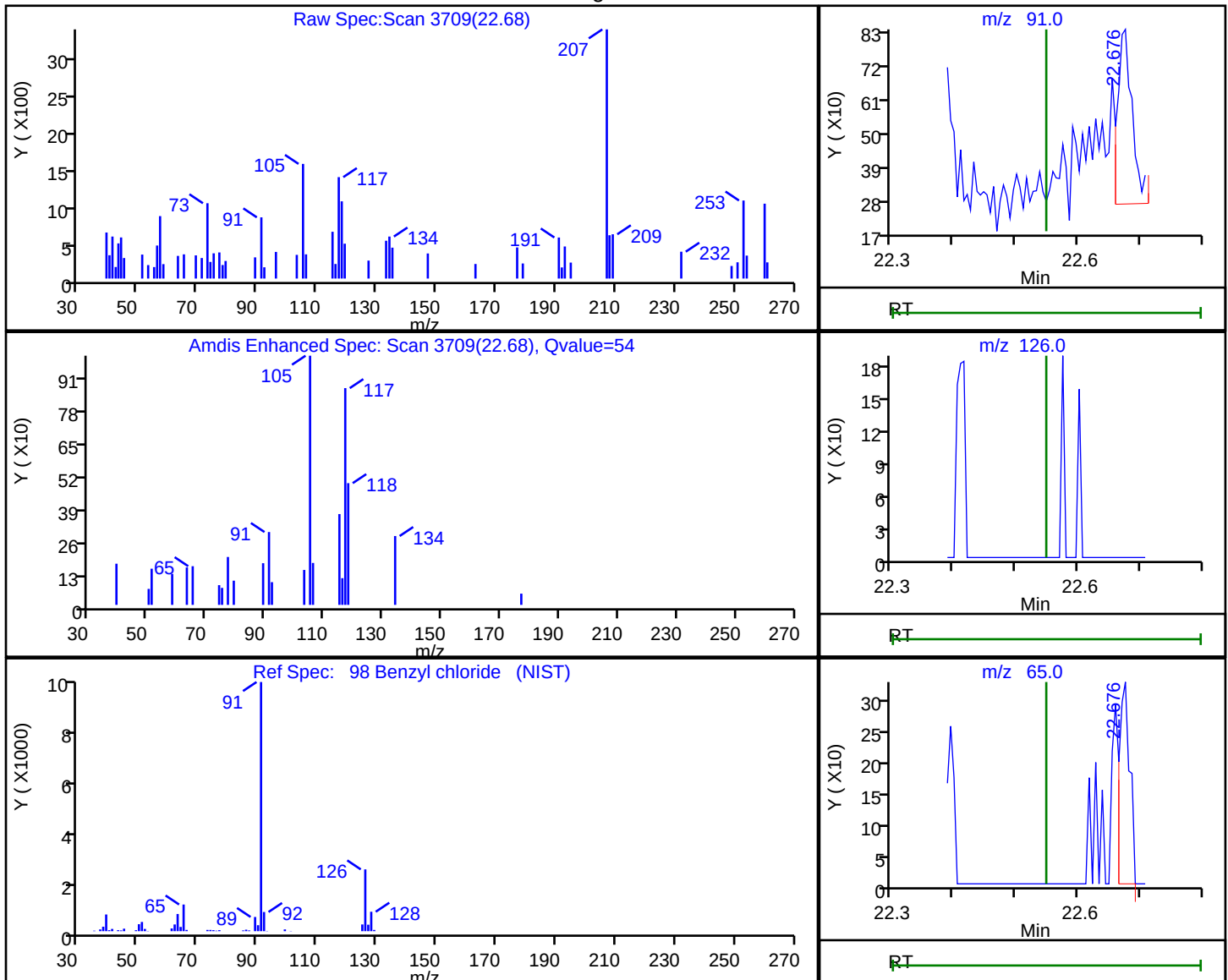
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

98 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
22.68	91.00	925	0.009510
22.55	126.00	0	
22.68	65.00	380	

Reviewer: bunmaa, 21-Feb-2020 15:43:35

Audit Action: Marked Compound Undetected

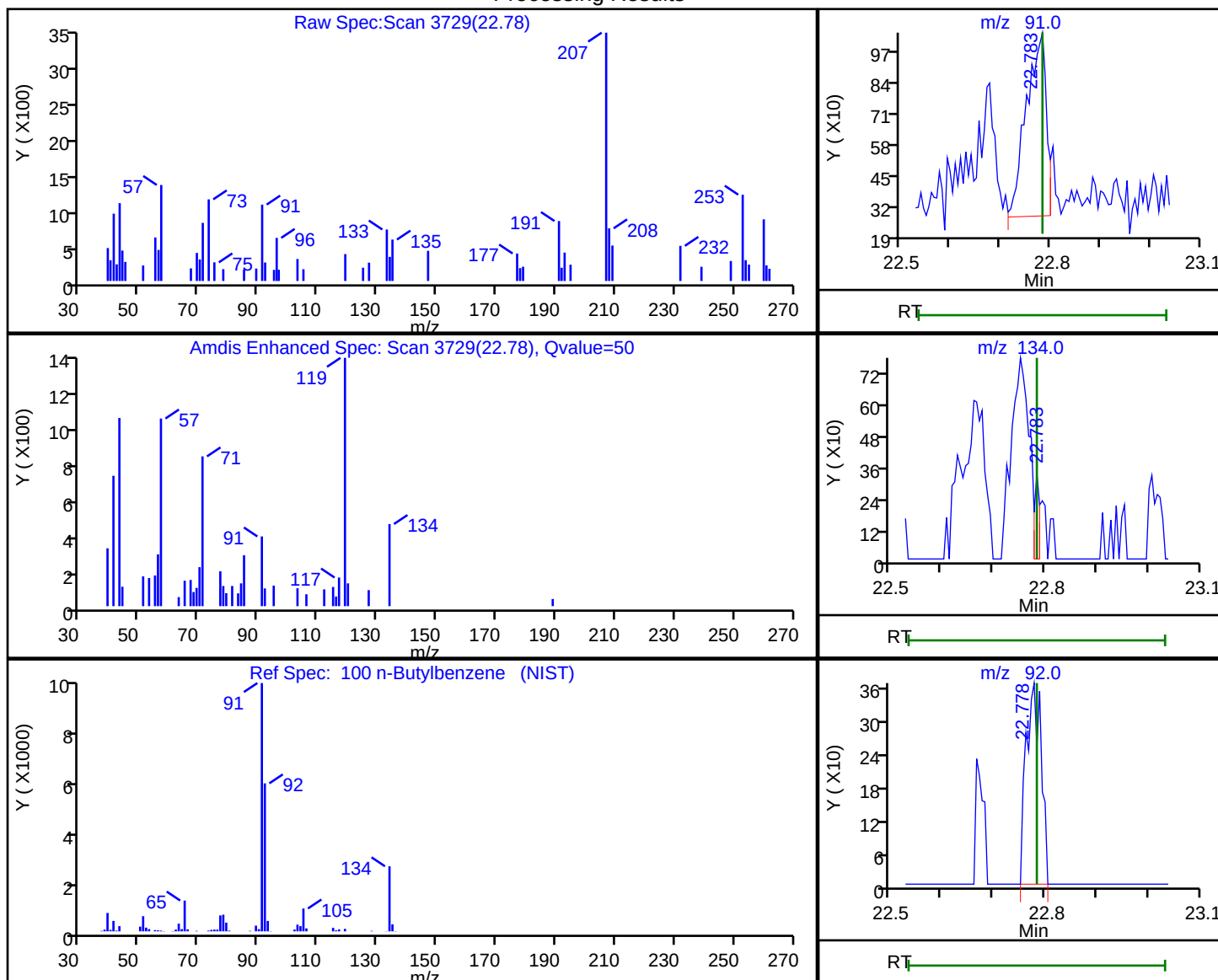
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-19.D
Injection Date: 21-Feb-2020 02:46:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-1 Lab Sample ID: 200-52685-1
Client ID: SS-SV-04-021420
Operator ID: ggg ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 2.9900
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

100 n-Butylbenzene, CAS: 104-51-8

Processing Results



RT	Mass	Response	Amount
22.78	91.00	2182	0.017554
22.78	134.00	230	
22.78	92.00	752	

Reviewer: bunmaa, 21-Feb-2020 15:43:56

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: IA-04-021420 Lab Sample ID: 200-52685-2
 Matrix: Air Lab File ID: 40108-15.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:35
 Sample wt/vol: 200 (mL) Date Analyzed: 02/20/2020 23:13
 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.: 152580 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.21	J	0.50	0.11
75-45-6	Freon 22	86.47	0.18	J	0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.20	0.035
74-87-3	Chloromethane	50.49	0.32	J	0.50	0.11
106-97-8	n-Butane	58.12	0.57		0.50	0.11
75-01-4	Vinyl chloride	62.50	ND		0.060	0.044
106-99-0	1,3-Butadiene	54.09	ND		0.20	0.057
74-83-9	Bromomethane	94.94	ND		0.20	0.051
75-00-3	Chloroethane	64.52	ND		0.50	0.054
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.20	0.052
75-69-4	Trichlorofluoromethane	137.37	0.099	J	0.20	0.060
76-13-1	Freon TF	187.38	ND		0.20	0.038
75-35-4	1,1-Dichloroethene	96.94	ND		0.20	0.039
67-64-1	Acetone	58.08	4.2	J	5.0	1.2
67-63-0	Isopropyl alcohol	60.10	4.4	J	5.0	0.48
75-15-0	Carbon disulfide	76.14	ND		0.50	0.074
107-05-1	3-Chloropropene	76.53	ND		0.50	0.064
75-09-2	Methylene Chloride	84.93	ND		0.50	0.27
75-65-0	tert-Butyl alcohol	74.12	0.44	J	5.0	0.038
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.20	0.033
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.20	0.042
110-54-3	n-Hexane	86.17	ND		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	ND		0.20	0.041
78-93-3	Methyl Ethyl Ketone	72.11	2.2		0.50	0.072
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.20	0.045
540-59-0	1,2-Dichloroethene, Total	96.94	ND		0.40	0.042
67-66-3	Chloroform	119.38	0.032	J	0.20	0.032
109-99-9	Tetrahydrofuran	72.11	ND		5.0	0.066
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.20	0.036
110-82-7	Cyclohexane	84.16	0.17	J	0.20	0.046
56-23-5	Carbon tetrachloride	153.81	ND		0.060	0.024
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.20	0.041
71-43-2	Benzene	78.11	0.085	J	0.20	0.067
107-06-2	1,2-Dichloroethane	98.96	ND		0.20	0.032

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: IA-04-021420 Lab Sample ID: 200-52685-2
 Matrix: Air Lab File ID: 40108-15.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:35
 Sample wt/vol: 200 (mL) Date Analyzed: 02/20/2020 23:13
 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.: 152580 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.094	J	0.20	0.056
79-01-6	Trichloroethene	131.39	ND		0.060	0.035
80-62-6	Methyl methacrylate	100.12	ND		0.50	0.033
78-87-5	1,2-Dichloropropane	112.99	ND		0.20	0.033
123-91-1	1,4-Dioxane	88.11	0.088	J	5.0	0.084
75-27-4	Bromodichloromethane	163.83	ND		0.20	0.035
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.20	0.032
108-10-1	methyl isobutyl ketone	100.16	ND		0.50	0.036
108-88-3	Toluene	92.14	0.41		0.20	0.11
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.20	0.039
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.20	0.036
127-18-4	Tetrachloroethene	165.83	ND		0.20	0.033
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		0.50	0.048
124-48-1	Dibromochloromethane	208.29	ND		0.20	0.036
106-93-4	1,2-Dibromoethane	187.87	ND		0.20	0.049
108-90-7	Chlorobenzene	112.56	ND		0.20	0.056
100-41-4	Ethylbenzene	106.17	ND		0.20	0.063
179601-23-1	m,p-Xylene	106.17	0.17	J	0.50	0.10
95-47-6	Xylene, o-	106.17	ND		0.20	0.048
1330-20-7	Xylene (total)	106.17	0.17	J	0.70	0.048
100-42-5	Styrene	104.15	ND		0.20	0.040
75-25-2	Bromoform	252.75	ND		0.20	0.048
98-82-8	Cumene	120.19	ND		0.20	0.035
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.20	0.042
103-65-1	n-Propylbenzene	120.19	ND		0.20	0.039
622-96-8	4-Ethyltoluene	120.20	ND		0.20	0.041
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.20	0.039
95-49-8	2-Chlorotoluene	126.59	ND		0.20	0.042
98-06-6	tert-Butylbenzene	134.22	ND		0.20	0.035
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.20	0.044
135-98-8	sec-Butylbenzene	134.22	ND		0.20	0.035
99-87-6	4-Isopropyltoluene	134.22	ND		0.20	0.039
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.20	0.11
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.20	0.12

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.: _____
Client Sample ID: IA-04-021420 Lab Sample ID: 200-52685-2
Matrix: Air Lab File ID: 40108-15.D
Analysis Method: TO-15 Date Collected: 02/14/2020 11:35
Sample wt/vol: 200 (mL) Date Analyzed: 02/20/2020 23:13
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.: 152580 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		0.20	0.085
104-51-8	n-Butylbenzene	134.22	ND		0.20	0.039
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.20	0.097
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.50	0.22
87-68-3	Hexachlorobutadiene	260.76	ND		0.20	0.076
91-20-3	Naphthalene	128.17	ND		0.50	0.17

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: IA-04-021420 Lab Sample ID: 200-52685-2

Matrix: Air Lab File ID: 40108-15.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:35

Sample wt/vol: 200 (mL) Date Analyzed: 02/20/2020 23:13

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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	1.0	J	2.5	0.54
75-45-6	Freon 22	86.47	0.64	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	0.24
74-87-3	Chloromethane	50.49	0.65	J	1.0	0.23
106-97-8	n-Butane	58.12	1.4		1.2	0.26
75-01-4	Vinyl chloride	62.50	ND		0.15	0.11
106-99-0	1,3-Butadiene	54.09	ND		0.44	0.13
74-83-9	Bromomethane	94.94	ND		0.78	0.20
75-00-3	Chloroethane	64.52	ND		1.3	0.14
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.87	0.23
75-69-4	Trichlorofluoromethane	137.37	0.55	J	1.1	0.34
76-13-1	Freon TF	187.38	ND		1.5	0.29
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	0.15
67-64-1	Acetone	58.08	9.9	J	12	2.9
67-63-0	Isopropyl alcohol	60.10	11	J	12	1.2
75-15-0	Carbon disulfide	76.14	ND		1.6	0.23
107-05-1	3-Chloropropene	76.53	ND		1.6	0.20
75-09-2	Methylene Chloride	84.93	ND		1.7	0.94
75-65-0	tert-Butyl alcohol	74.12	1.3	J	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.72	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.79	0.17
110-54-3	n-Hexane	86.17	ND		0.70	0.70
75-34-3	1,1-Dichloroethane	98.96	ND		0.81	0.17
78-93-3	Methyl Ethyl Ketone	72.11	6.5		1.5	0.21
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.79	0.18
540-59-0	1,2-Dichloroethene, Total	96.94	ND		1.6	0.17
67-66-3	Chloroform	119.38	0.16	J	0.98	0.16
109-99-9	Tetrahydrofuran	72.11	ND		15	0.19
71-55-6	1,1,1-Trichloroethane	133.41	ND		1.1	0.20
110-82-7	Cyclohexane	84.16	0.60	J	0.69	0.16
56-23-5	Carbon tetrachloride	153.81	ND		0.38	0.15
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	0.19
71-43-2	Benzene	78.11	0.27	J	0.64	0.21
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	0.13

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: IA-04-021420 Lab Sample ID: 200-52685-2

Matrix: Air Lab File ID: 40108-15.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:35

Sample wt/vol: 200 (mL) Date Analyzed: 02/20/2020 23:13

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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.39	J	0.82	0.23
79-01-6	Trichloroethene	131.39	ND		0.32	0.19
80-62-6	Methyl methacrylate	100.12	ND		2.0	0.14
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.15
123-91-1	1,4-Dioxane	88.11	0.32	J	18	0.30
75-27-4	Bromodichloromethane	163.83	ND		1.3	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	0.15
108-10-1	methyl isobutyl ketone	100.16	ND		2.0	0.15
108-88-3	Toluene	92.14	1.5		0.75	0.41
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	0.18
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	0.20
127-18-4	Tetrachloroethene	165.83	ND		1.4	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		2.0	0.20
124-48-1	Dibromochloromethane	208.29	ND		1.7	0.31
106-93-4	1,2-Dibromoethane	187.87	ND		1.5	0.38
108-90-7	Chlorobenzene	112.56	ND		0.92	0.26
100-41-4	Ethylbenzene	106.17	ND		0.87	0.27
179601-23-1	m,p-Xylene	106.17	0.75	J	2.2	0.43
95-47-6	Xylene, o-	106.17	ND		0.87	0.21
1330-20-7	Xylene (total)	106.17	0.74	J	3.0	0.21
100-42-5	Styrene	104.15	ND		0.85	0.17
75-25-2	Bromoform	252.75	ND		2.1	0.50
98-82-8	Cumene	120.19	ND		0.98	0.17
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	0.29
103-65-1	n-Propylbenzene	120.19	ND		0.98	0.19
622-96-8	4-Ethyltoluene	120.20	ND		0.98	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.98	0.19
95-49-8	2-Chlorotoluene	126.59	ND		1.0	0.22
98-06-6	tert-Butylbenzene	134.22	ND		1.1	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.98	0.22
135-98-8	sec-Butylbenzene	134.22	ND		1.1	0.19
99-87-6	4-Isopropyltoluene	134.22	ND		1.1	0.21
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.2	0.66
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.2	0.72

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.: _____
Client Sample ID: IA-04-021420 Lab Sample ID: 200-52685-2
Matrix: Air Lab File ID: 40108-15.D
Analysis Method: TO-15 Date Collected: 02/14/2020 11:35
Sample wt/vol: 200 (mL) Date Analyzed: 02/20/2020 23:13
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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		1.0	0.44
104-51-8	n-Butylbenzene	134.22	ND		1.1	0.21
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	0.58
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3.7	1.6
87-68-3	Hexachlorobutadiene	260.76	ND		2.1	0.81
91-20-3	Naphthalene	128.17	ND		2.6	0.89

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D
 Lims ID: 200-52685-A-2
 Client ID: IA-04-021420
 Sample Type: Client
 Inject. Date: 20-Feb-2020 23:13:30 ALS Bottle#: 15 Worklist Smp#: 15
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0040108-015
 Misc. Info.: 52685-2
 Operator ID: ggg Instrument ID: CHC.i
 Method: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Feb-2020 05:04:29 Calib Date: 19-Feb-2020 02:47:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0326

First Level Reviewer: bunmaa

Date: 21-Feb-2020 14:25:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	2.999	3.008	-0.011	98	9193	0.2066	
3 Chlorodifluoromethane	51	3.037	3.051	-0.016	97	6049	0.1816	M
4 1,2-Dichloro-1,1,2,2-tetra	85		3.255				ND	
5 Chloromethane	50	3.362	3.371	-0.011	99	5537	0.3150	
6 Butane	43	3.560	3.568	-0.010	95	18704	0.5722	
7 Vinyl chloride	62		3.602				ND	
8 Butadiene	54	3.666	3.675	-0.011	83	497	0.0326	
10 Bromomethane	94		4.307				ND	
11 Chloroethane	64		4.531				ND	
13 Vinyl bromide	106		4.910				ND	
14 Trichlorofluoromethane	101	5.017	5.019	-0.005	97	3999	0.0985	M
20 1,1,2-Trichloro-1,2,2-trif	101	6.079	6.081	-0.005	7	803	0.0250	M
21 1,1-Dichloroethene	96		6.100				ND	
22 Acetone	43	6.313	6.316	-0.006	100	141590	4.16	
23 Carbon disulfide	76	6.463	6.470	-0.011	94	662	0.0139	7M
24 Isopropyl alcohol	45	6.666	6.662	0.000	100	170734	4.44	
25 3-Chloro-1-propene	41		6.869				ND	U
27 Methylene Chloride	49	7.146	7.148	-0.005	86	1584	0.0642	M
28 2-Methyl-2-propanol	59	7.456	7.430	0.022	95	16976	0.4368	
29 Methyl tert-butyl ether	73		7.600				ND	
31 trans-1,2-Dichloroethene	61		7.610				ND	
33 Hexane	57	8.027	8.022	0.000	76	1879	0.0620	M
34 1,1-Dichloroethane	63		8.454				ND	
37 cis-1,2-Dichloroethene	96		9.553				ND	
38 2-Butanone (MEK)	72	9.601	9.596	0.000	97	21230	2.21	
* 40 Chlorobromomethane	128	9.991	9.996	-0.005	93	251237	20.0	
41 Tetrahydrofuran	42		10.044				ND	
42 Chloroform	83	10.140	10.145	-0.011	91	1334	0.0320	
S 30 1,2-Dichloroethene, Total	61		10.200				ND	
43 Cyclohexane	84	10.402	10.413	-0.016	91	4536	0.1735	M
44 1,1,1-Trichloroethane	97	10.418	10.413	0.000	48	1422	0.0324	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Carbon tetrachloride	117	10.679	10.680	-0.005	83	983	0.0232	
47 Benzene	78	11.111	11.117	-0.011	95	5522	0.0851	
46 Isooctane	57	11.149	11.144	0.000	58	3175	0.0259	M
48 1,2-Dichloroethane	62		11.282				ND	
49 n-Heptane	43	11.544	11.549	-0.010	94	5690	0.0942	M
* 50 1,4-Difluorobenzene	114	11.965	11.971	-0.006	98	1356483	20.0	
53 Trichloroethene	95		12.440				ND	
54 1,2-Dichloropropane	63		12.958				ND	
55 Methyl methacrylate	69		13.182				ND	
56 1,4-Dioxane	88	13.267	13.224	0.037	32	1125	0.0880	
58 Dichlorobromomethane	83		13.540				ND	
60 cis-1,3-Dichloropropene	75		14.495				ND	
61 4-Methyl-2-pentanone (MIBK)	43		14.799				ND	
65 Toluene	92	15.093	15.094	-0.005	90	19108	0.4111	
66 trans-1,3-Dichloropropene	75		15.696				ND	
67 1,1,2-Trichloroethane	83		16.064				ND	
68 Tetrachloroethene	166		16.213				ND	
69 2-Hexanone	43		16.539				ND	MU
71 Chlorodibromomethane	129		16.833				ND	
72 Ethylene Dibromide	107		17.083				ND	
* 74 Chlorobenzene-d5	117	18.001	18.007	-0.006	94	1318711	20.0	
75 Chlorobenzene	112		18.065				ND	
76 Ethylbenzene	91	18.236	18.231	0.000	96	5263	0.0492	
78 m-Xylene & p-Xylene	106	18.482	18.482	-0.005	0	6511	0.1718	
79 o-Xylene	106	19.319	19.319	-0.006	95	1708	0.0471	M
80 Styrene	104	19.378	19.367	0.005	77	1117	0.0192	
81 Bromoform	173		19.800				ND	
82 Isopropylbenzene	105		20.056				ND	
S 73 Xylenes, Total	106				0		0.2190	
84 1,1,2,2-Tetrachloroethane	83		20.739				ND	
85 N-Propylbenzene	91		20.830				ND	MUa
89 2-Chlorotoluene	91		21.027				ND	U
88 4-Ethyltoluene	105		21.027				ND	
90 1,3,5-Trimethylbenzene	105		21.145				ND	MUa
92 tert-Butylbenzene	119		21.652				ND	
93 1,2,4-Trimethylbenzene	105	21.753	21.747	0.000	62	1549	0.0164	
94 sec-Butylbenzene	105		21.993				ND	
95 4-Isopropyltoluene	119	22.207	22.200	0.000	89	1901	0.0165	
96 1,3-Dichlorobenzene	146		22.217				ND	
97 1,4-Dichlorobenzene	146		22.362				ND	
98 Benzyl chloride	91		22.548				ND	
100 n-Butylbenzene	91		22.783				ND	MU
101 1,2-Dichlorobenzene	146		22.879				ND	
103 1,2,4-Trichlorobenzene	180		25.254				ND	
104 Hexachlorobutadiene	225		25.457				ND	
105 Naphthalene	128		25.686				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 21-Feb-2020 07:46:12

Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D

Injection Date: 20-Feb-2020 23:13:30

Instrument ID: CHC.i

Operator ID: ggg

Lims ID: 200-52685-A-2

Lab Sample ID: 200-52685-2

Worklist Smp#: 15

Client ID: IA-04-021420

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

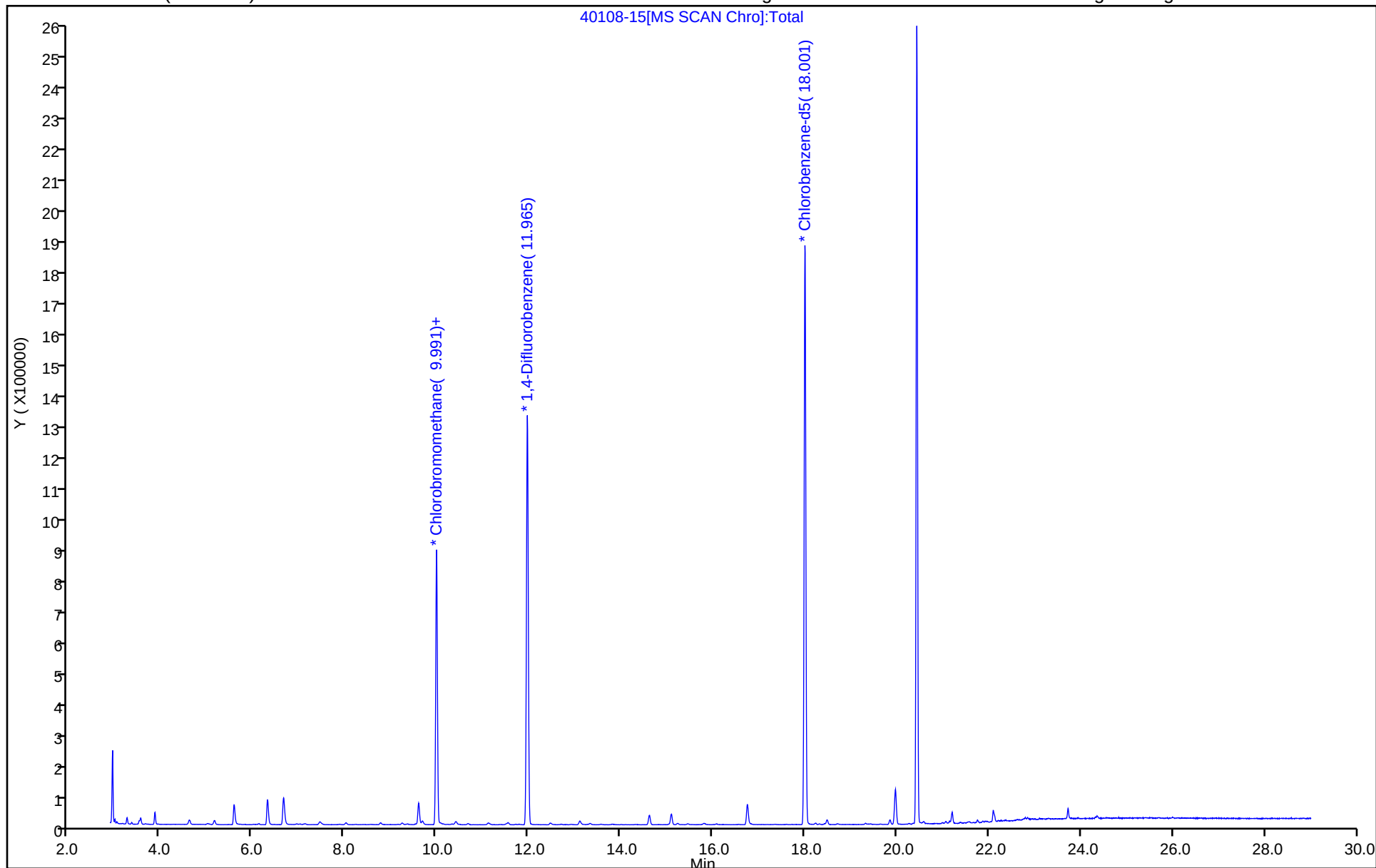
ALS Bottle#: 15

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

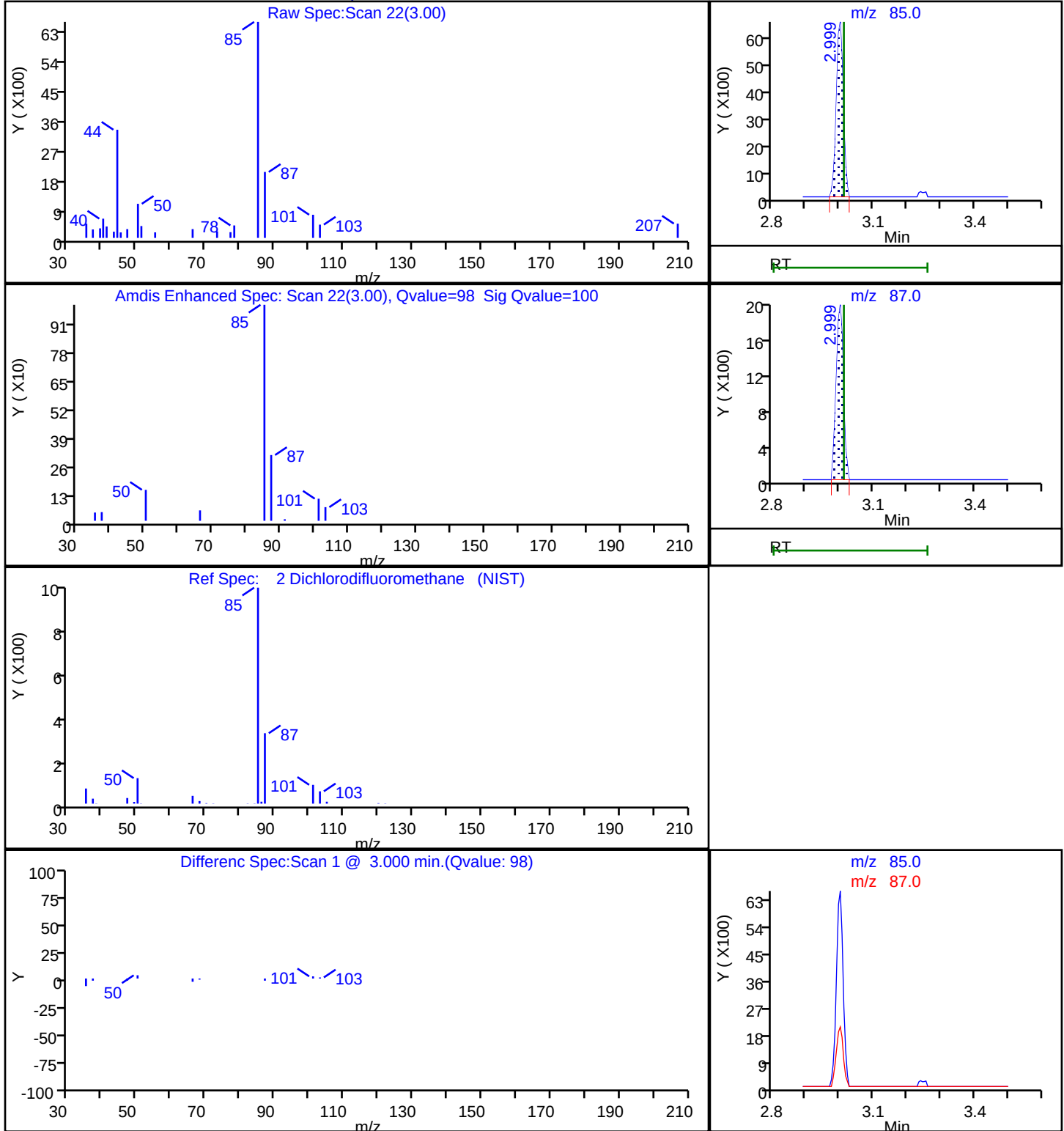
Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D
Injection Date: 20-Feb-2020 23:13:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-2 Lab Sample ID: 200-52685-2
Client ID: IA-04-021420
Operator ID: ggg ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D

Injection Date: 20-Feb-2020 23:13:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-2

Lab Sample ID: 200-52685-2

Client ID: IA-04-021420

Operator ID: ggg

ALS Bottle#: 15

Worklist Smp#: 15

Purge Vol: 200.000 mL

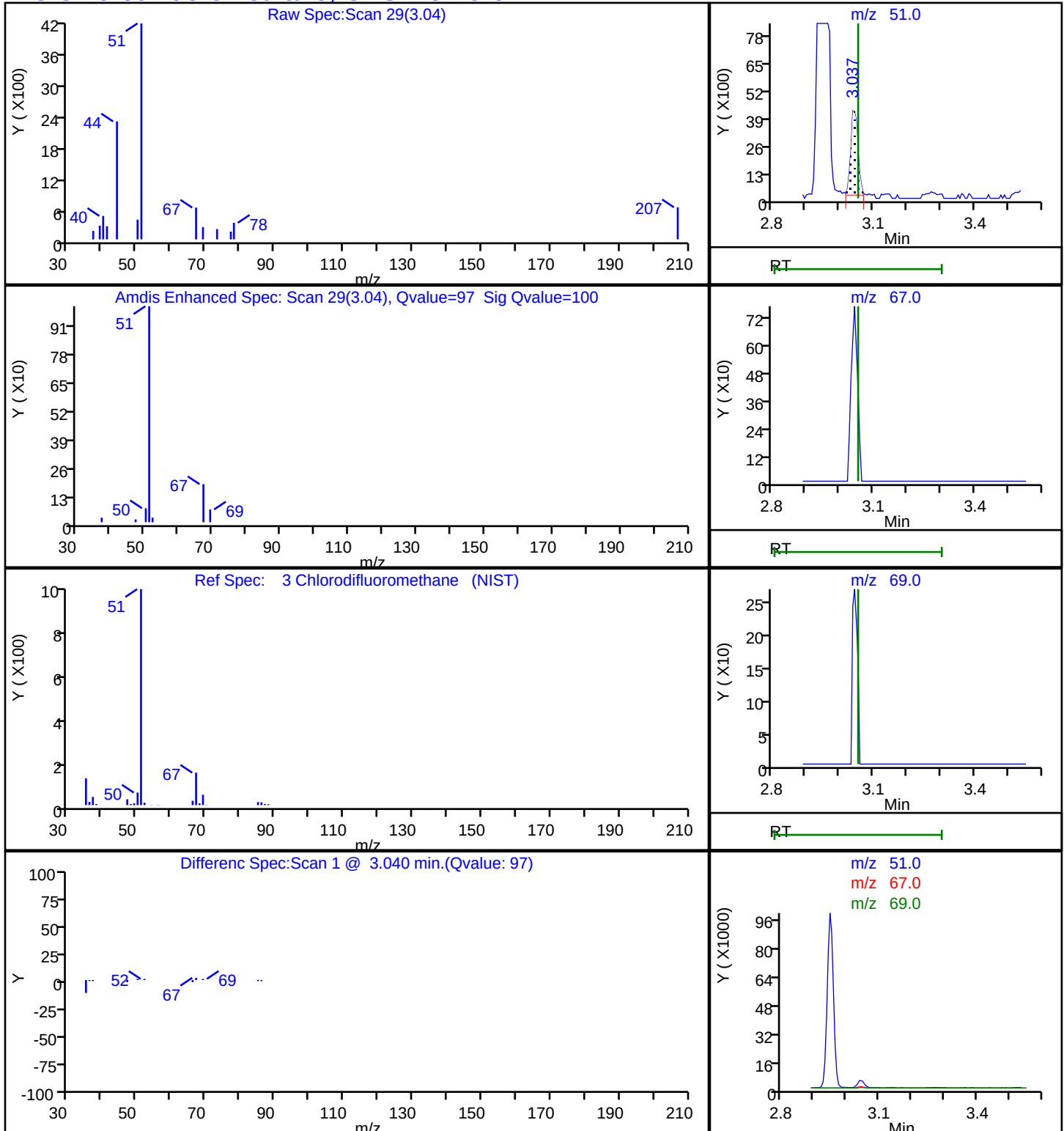
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

3 Chlorodifluoromethane, CAS: 75-45-6

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D

Injection Date: 20-Feb-2020 23:13:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-2

Lab Sample ID: 200-52685-2

Client ID: IA-04-021420

Operator ID: ggg

ALS Bottle#: 15

Worklist Smp#: 15

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

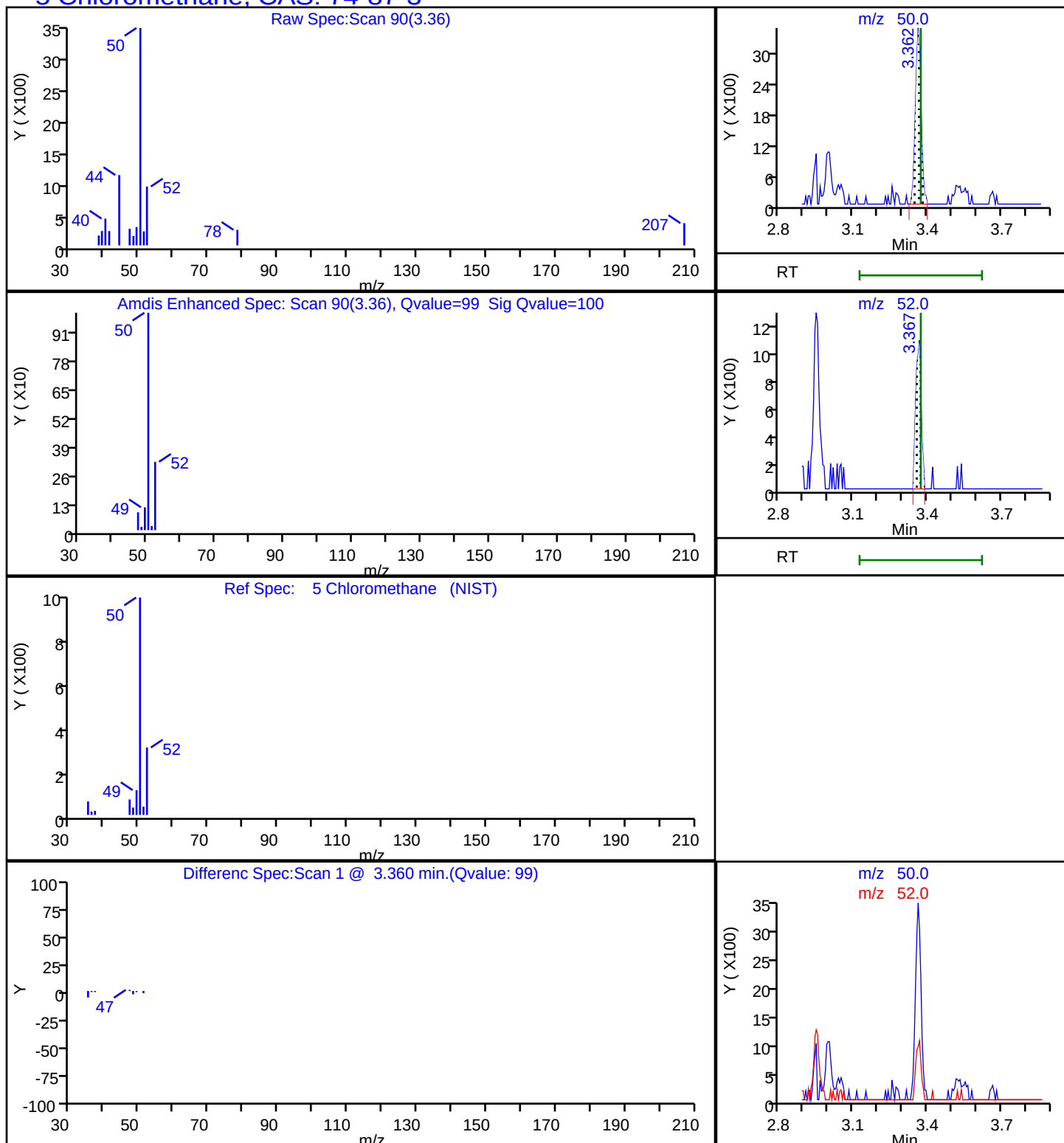
Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

5 Chloromethane, CAS: 74-87-3



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D

Injection Date: 20-Feb-2020 23:13:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-2

Lab Sample ID: 200-52685-2

Client ID: IA-04-021420

Operator ID: ggg

ALS Bottle#: 15

Worklist Smp#: 15

Purge Vol: 200.000 mL

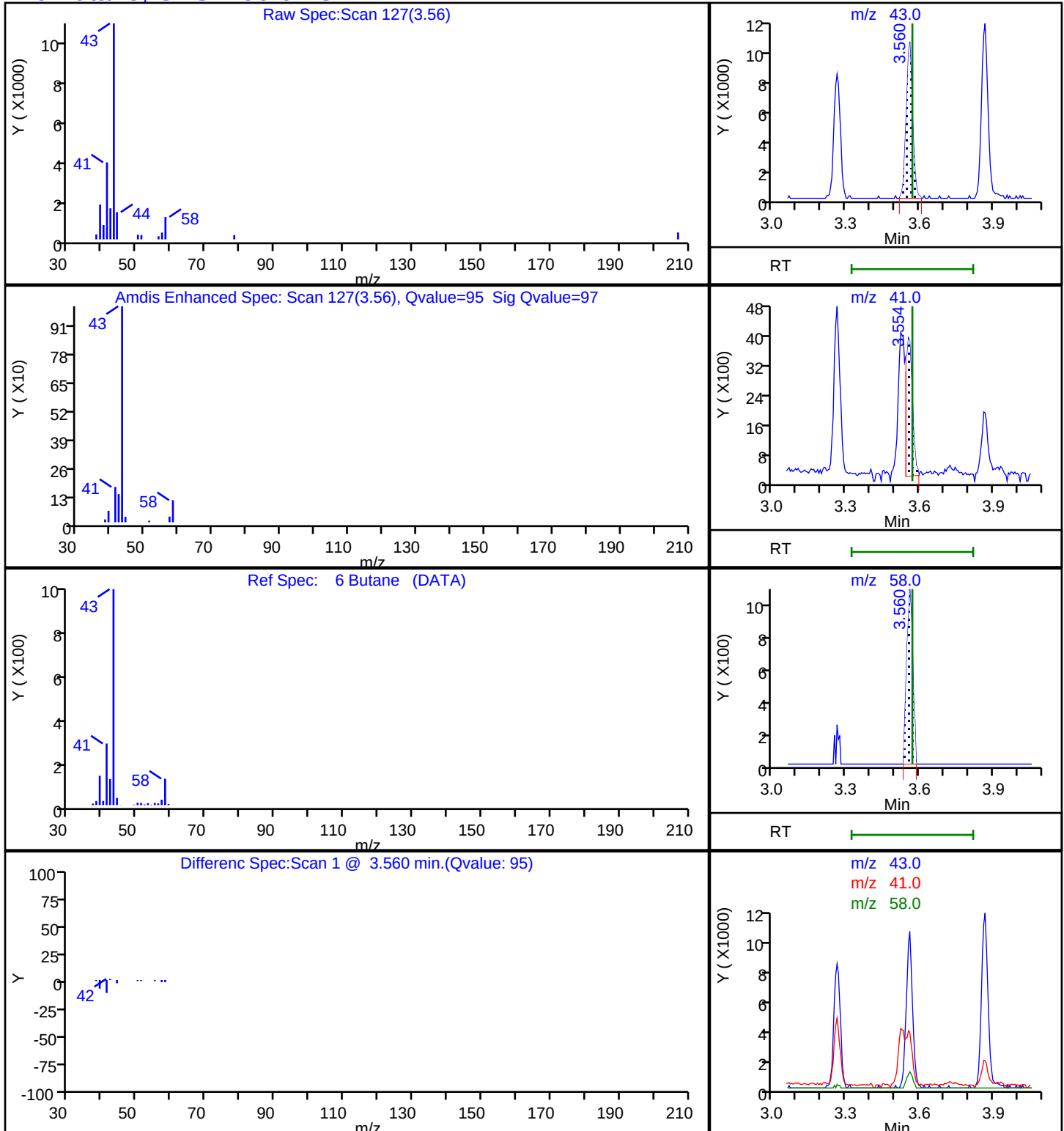
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

6 Butane, CAS: 106-97-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D

Injection Date: 20-Feb-2020 23:13:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-2

Lab Sample ID: 200-52685-2

Client ID: IA-04-021420

Operator ID: ggg

ALS Bottle#: 15

Worklist Smp#: 15

Purge Vol: 200.000 mL

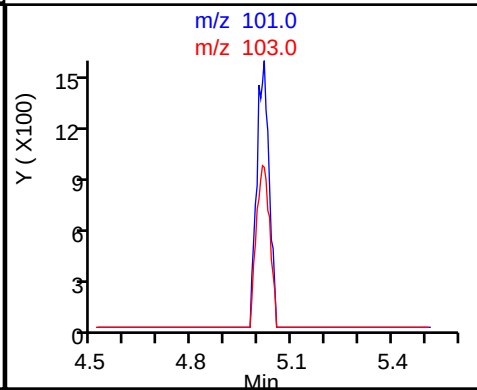
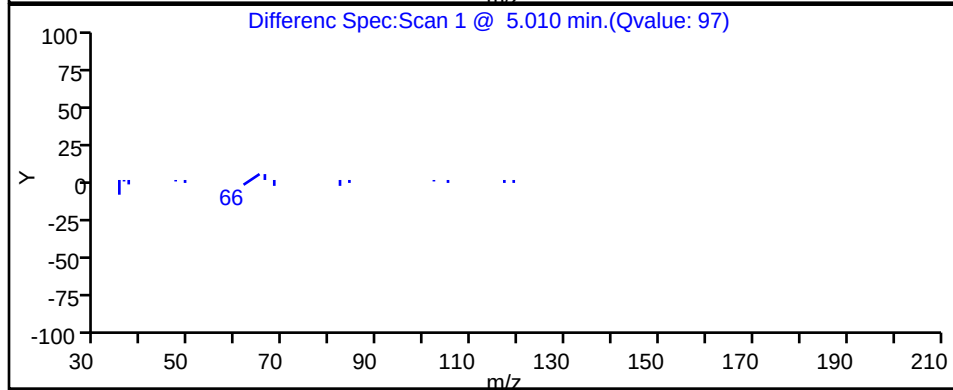
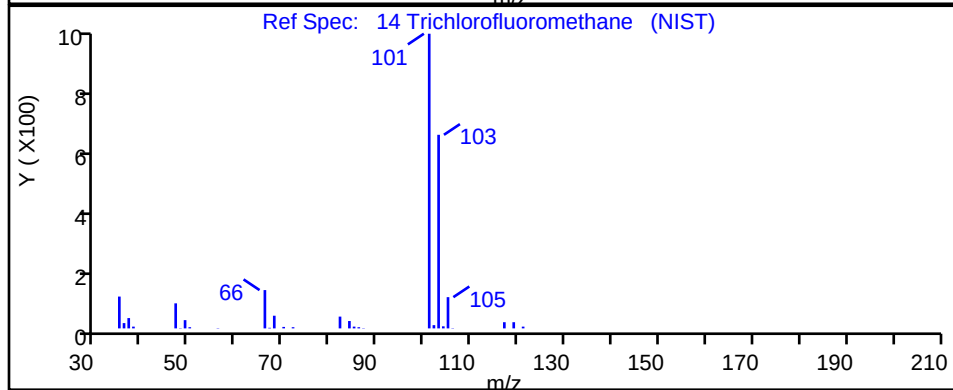
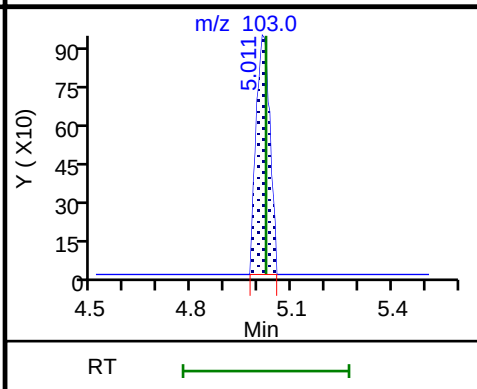
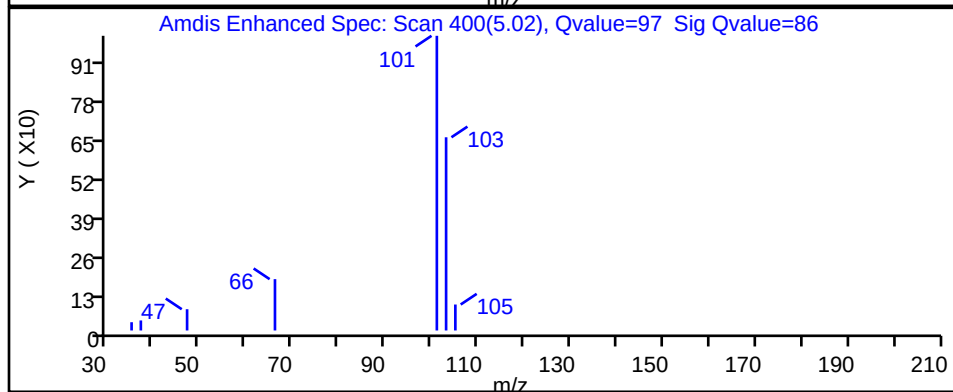
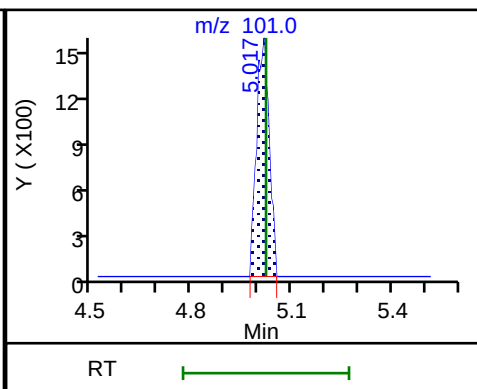
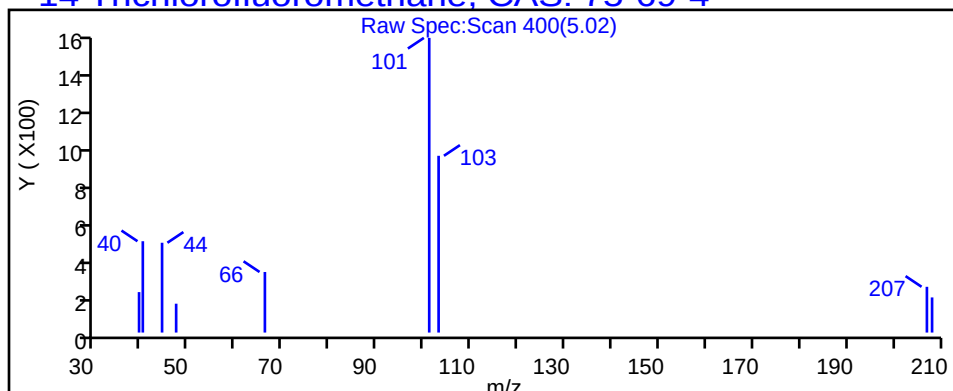
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

14 Trichlorofluoromethane, CAS: 75-69-4

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D

Injection Date: 20-Feb-2020 23:13:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-2

Lab Sample ID: 200-52685-2

Client ID: IA-04-021420

Operator ID: ggg

ALS Bottle#: 15 Worklist Smp#: 15

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

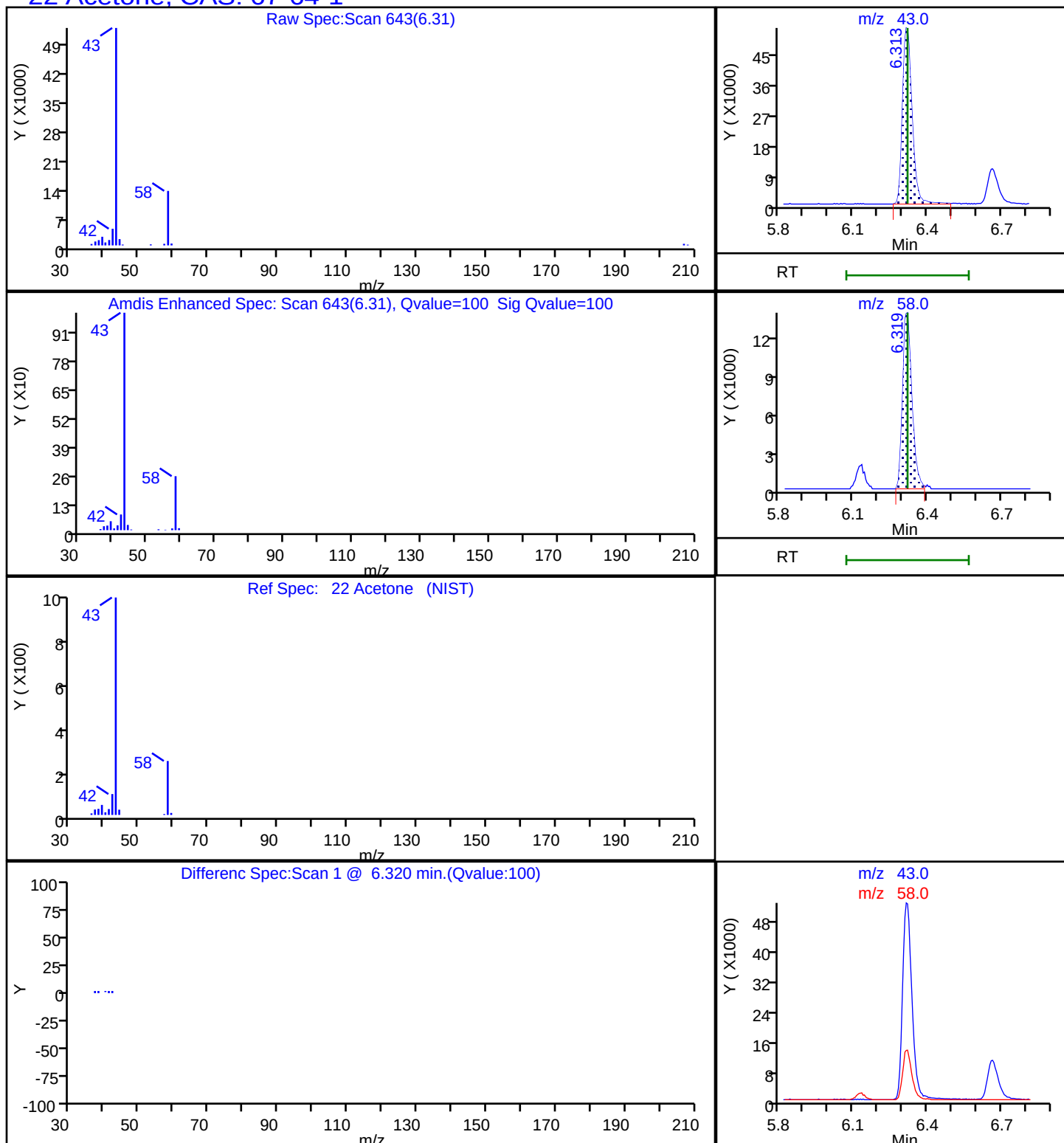
Method: TO15 MasterMethod (v1) CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector MS SCAN

22 Acetone, CAS: 67-64-1



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D

Injection Date: 20-Feb-2020 23:13:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-2

Lab Sample ID: 200-52685-2

Client ID: IA-04-021420

Operator ID: ggg

ALS Bottle#: 15

Worklist Smp#: 15

Purge Vol: 200.000 mL

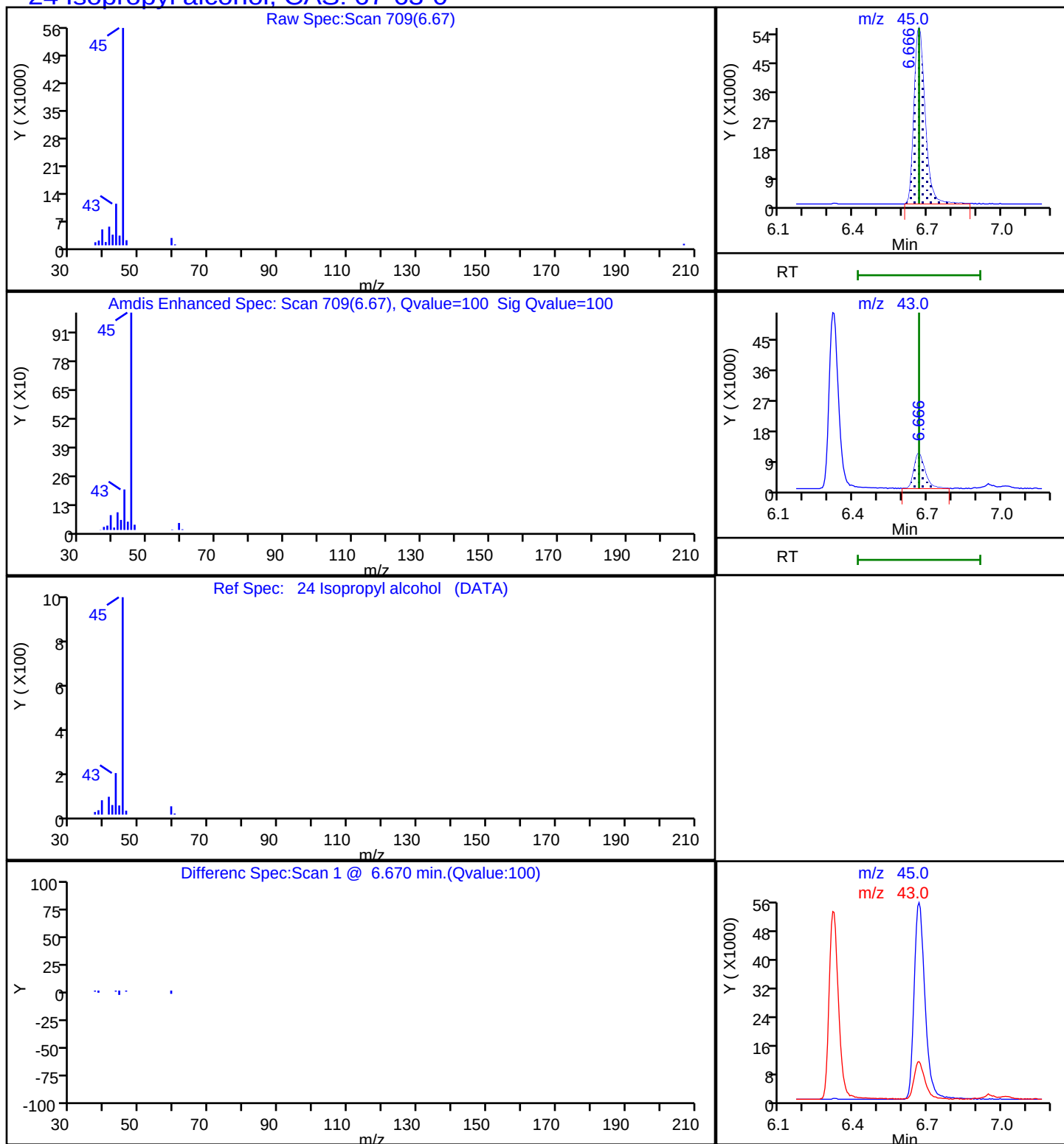
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D

Injection Date: 20-Feb-2020 23:13:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-2

Lab Sample ID: 200-52685-2

Client ID: IA-04-021420

Operator ID: ggg

ALS Bottle#: 15

Worklist Smp#: 15

Purge Vol: 200.000 mL

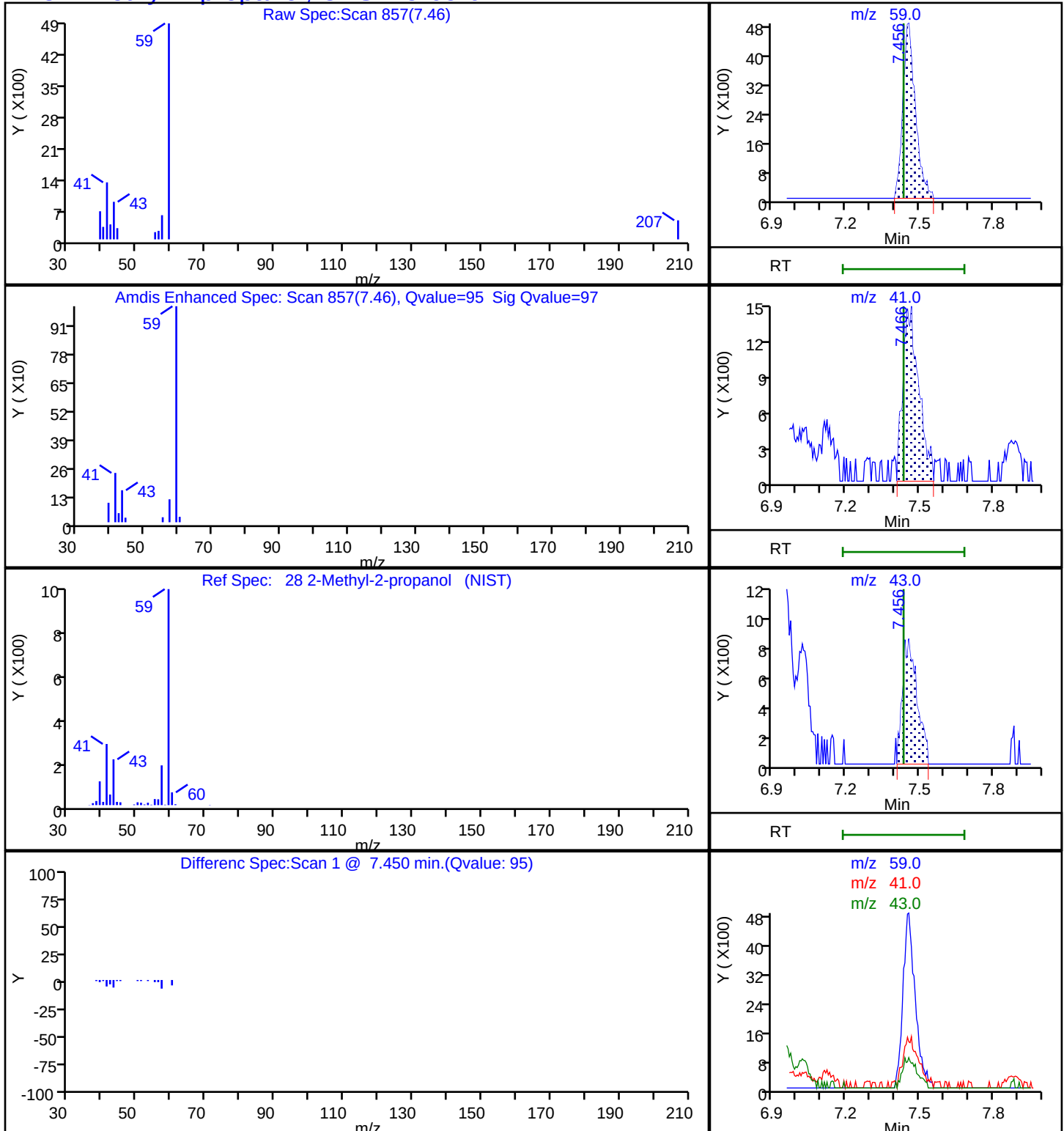
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D

Injection Date: 20-Feb-2020 23:13:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-2

Lab Sample ID: 200-52685-2

Client ID: IA-04-021420

Operator ID: ggg

ALS Bottle#: 15

Worklist Smp#: 15

Purge Vol: 200.000 mL

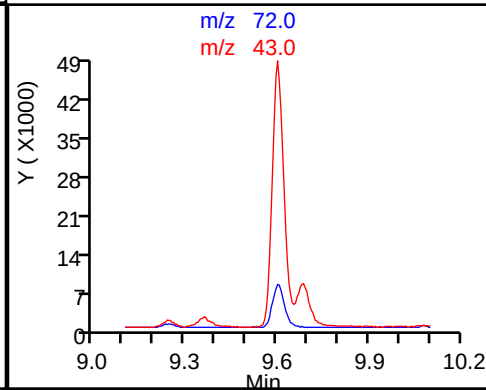
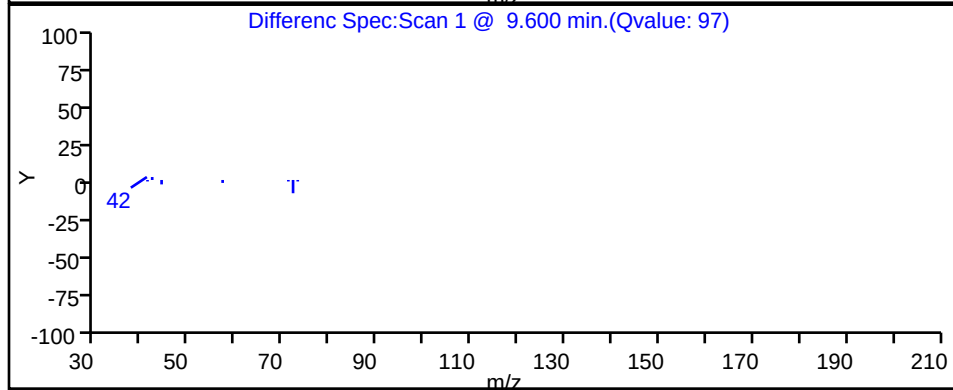
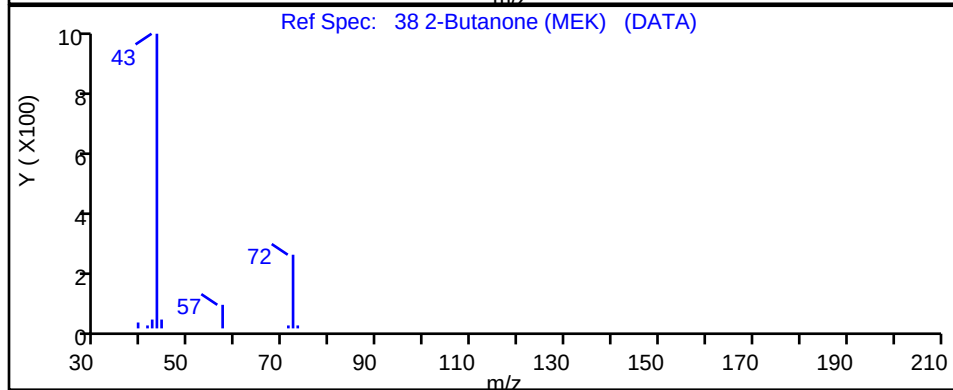
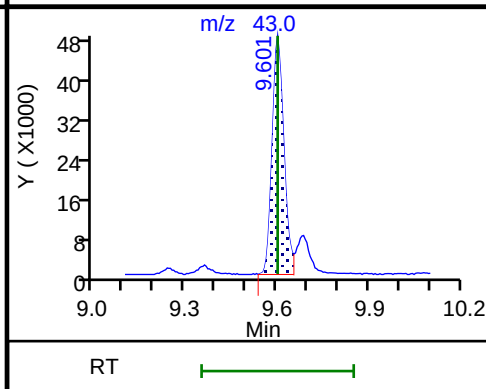
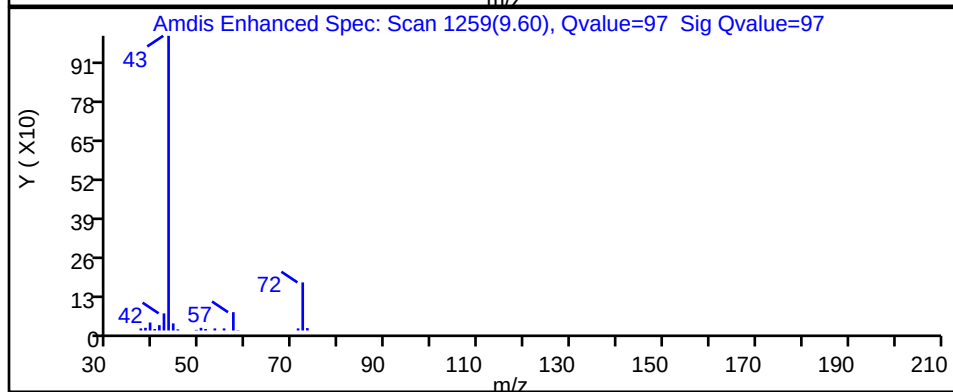
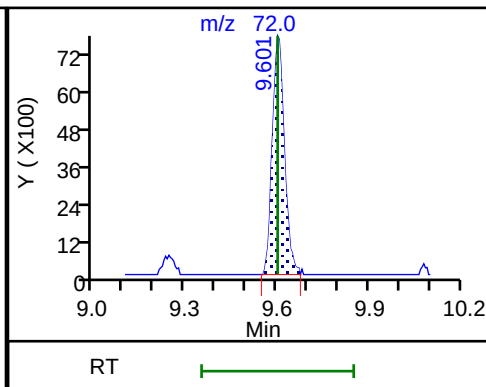
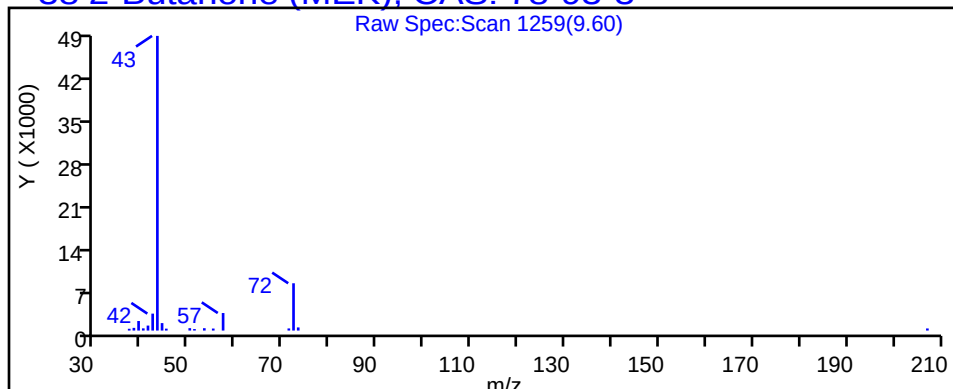
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

38 2-Butanone (MEK), CAS: 78-93-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D

Injection Date: 20-Feb-2020 23:13:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-2

Lab Sample ID: 200-52685-2

Client ID: IA-04-021420

Operator ID: ggg

ALS Bottle#: 15

Worklist Smp#: 15

Purge Vol: 200.000 mL

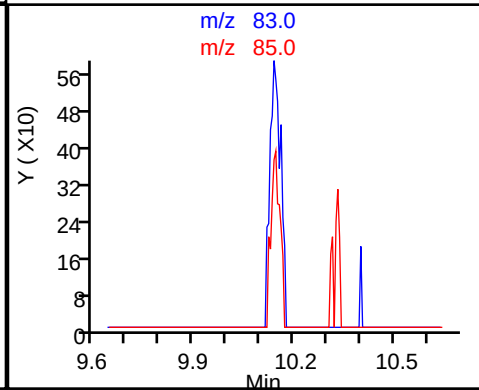
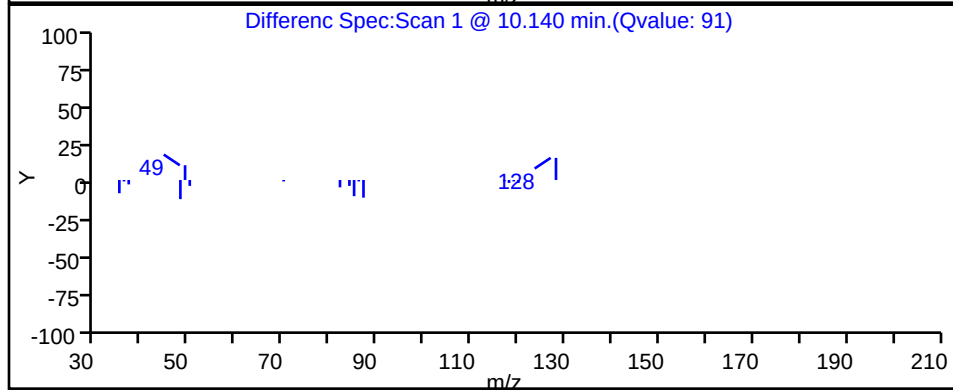
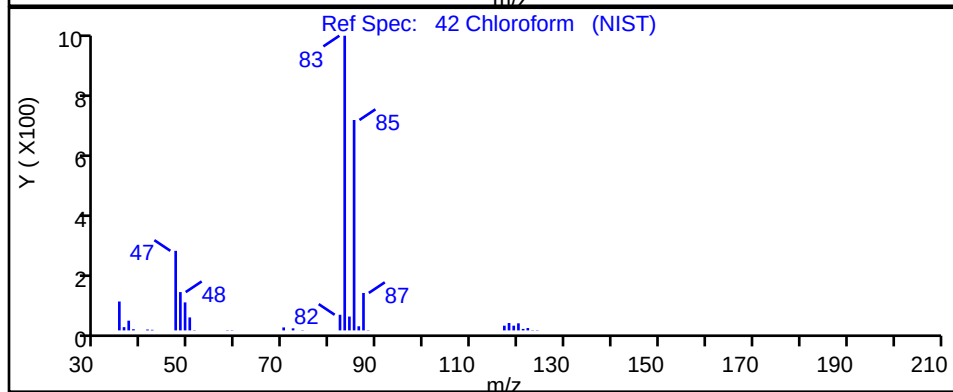
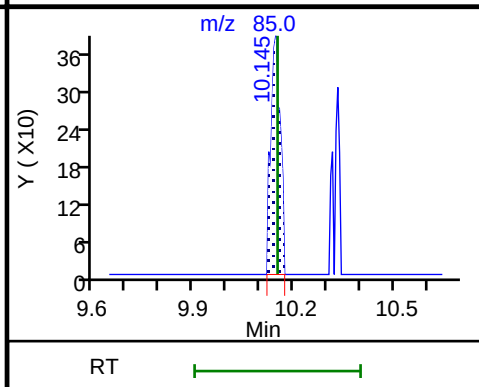
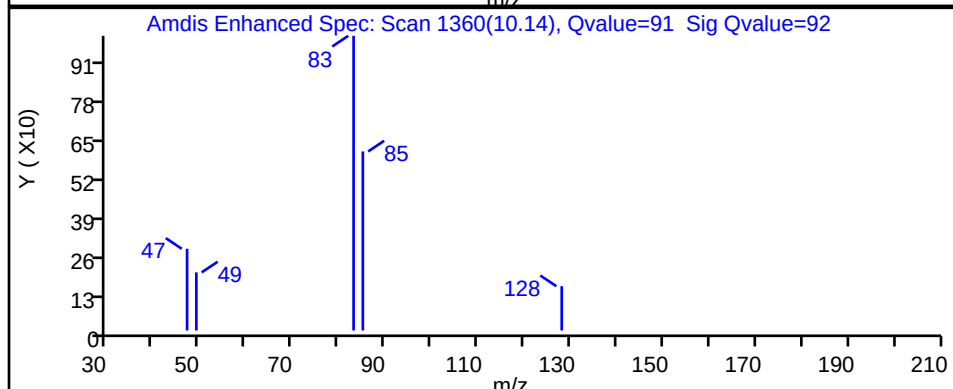
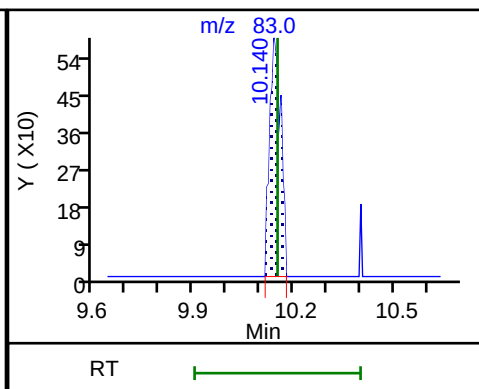
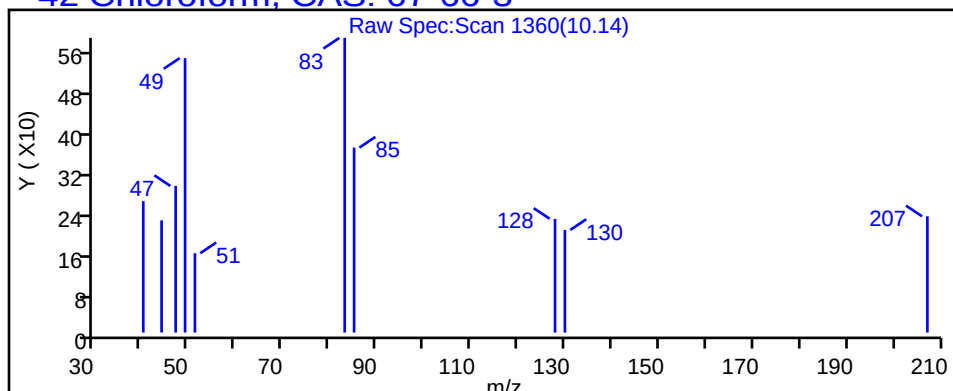
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

42 Chloroform, CAS: 67-66-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D

Injection Date: 20-Feb-2020 23:13:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-2

Lab Sample ID: 200-52685-2

Client ID: IA-04-021420

Operator ID: ggg

ALS Bottle#: 15

Worklist Smp#: 15

Purge Vol: 200.000 mL

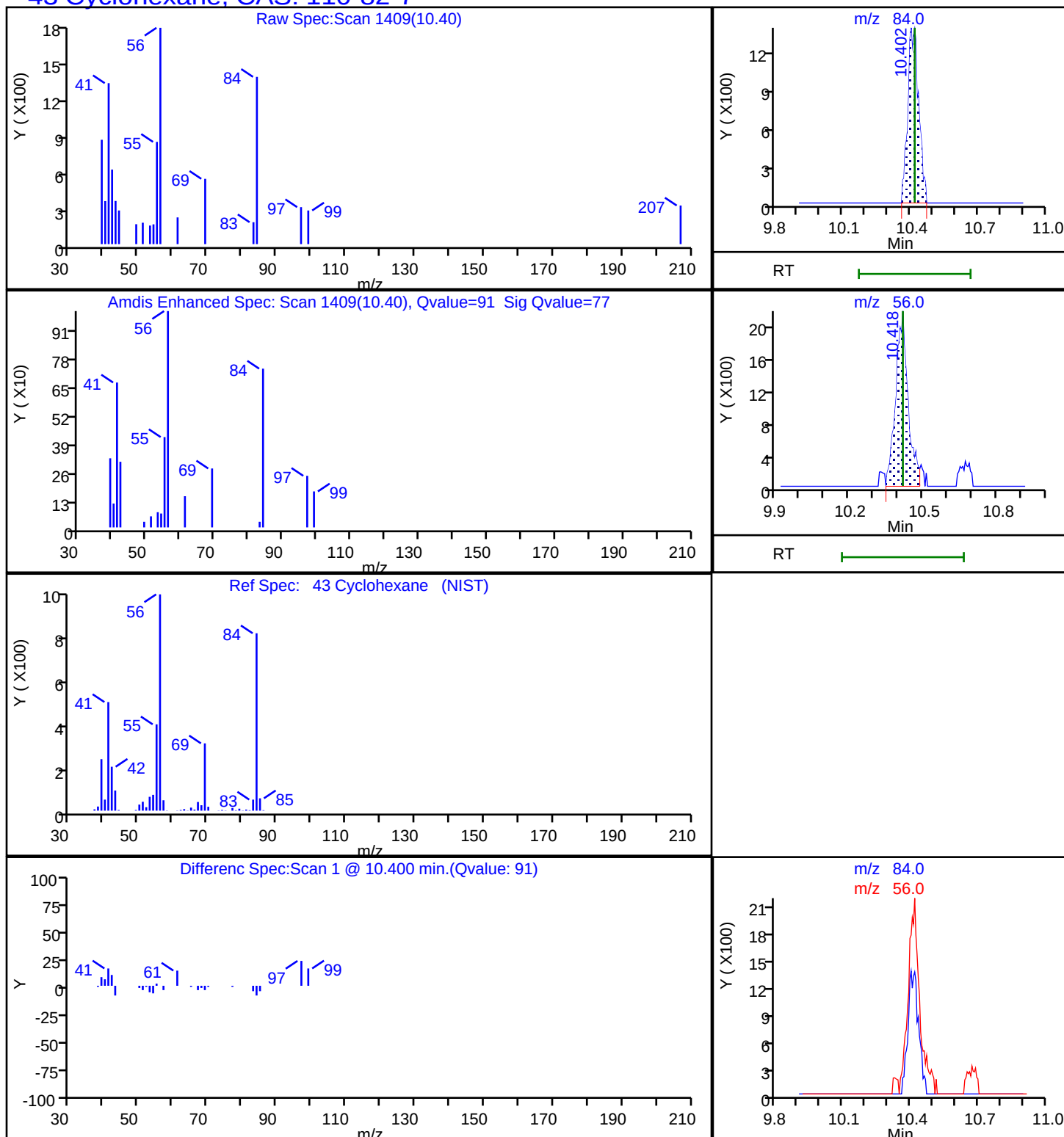
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D

Injection Date: 20-Feb-2020 23:13:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-2

Lab Sample ID: 200-52685-2

Client ID: IA-04-021420

Operator ID: ggg

ALS Bottle#: 15

Worklist Smp#: 15

Purge Vol: 200.000 mL

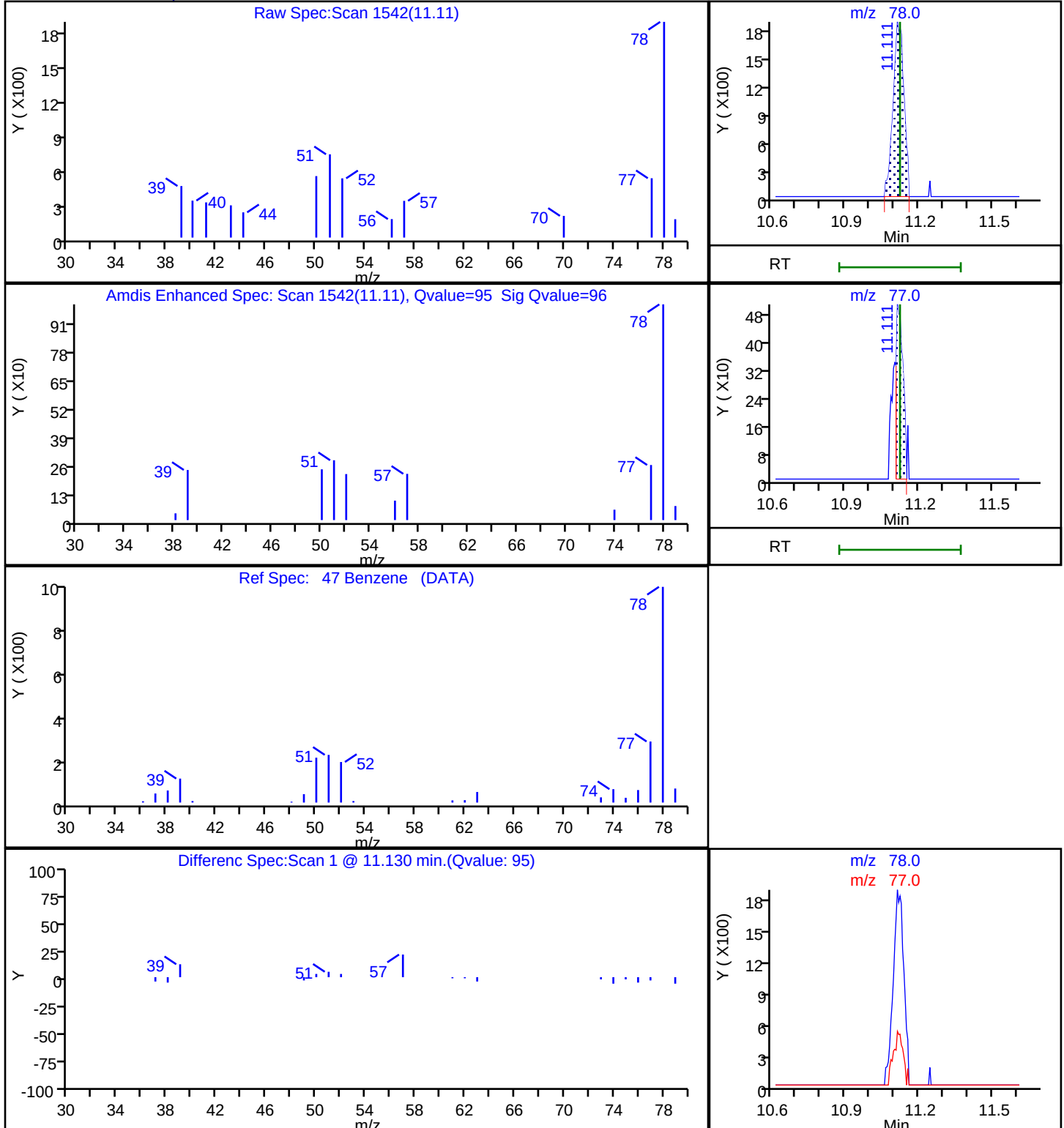
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

47 Benzene, CAS: 71-43-2

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D

Injection Date: 20-Feb-2020 23:13:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-2

Lab Sample ID: 200-52685-2

Client ID: IA-04-021420

Operator ID: ggg

ALS Bottle#: 15

Worklist Smp#: 15

Purge Vol: 200.000 mL

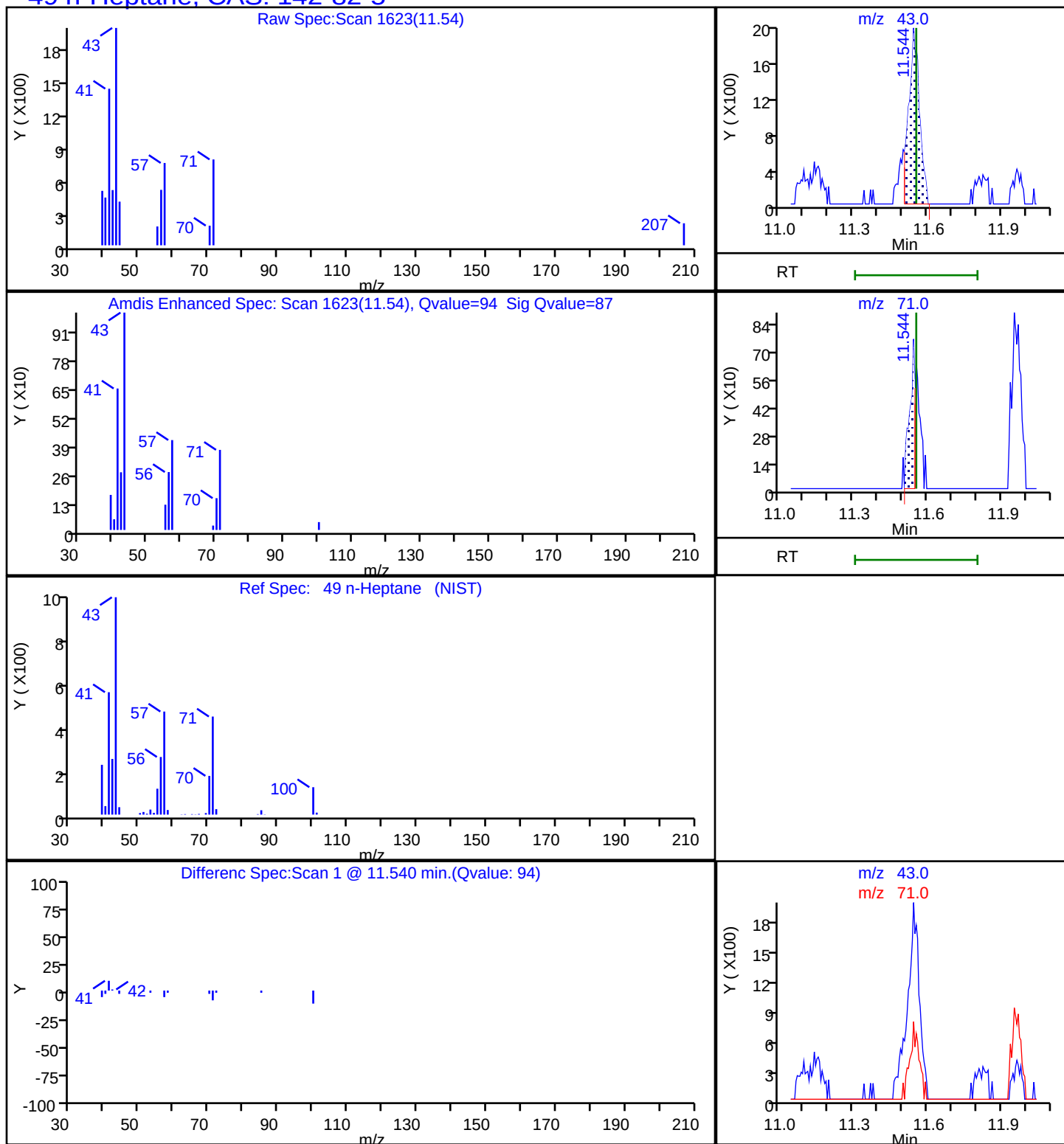
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

49 n-Heptane, CAS: 142-82-5

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D

Injection Date: 20-Feb-2020 23:13:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-2

Lab Sample ID: 200-52685-2

Client ID: IA-04-021420

Operator ID: ggg

ALS Bottle#: 15

Worklist Smp#: 15

Purge Vol: 200.000 mL

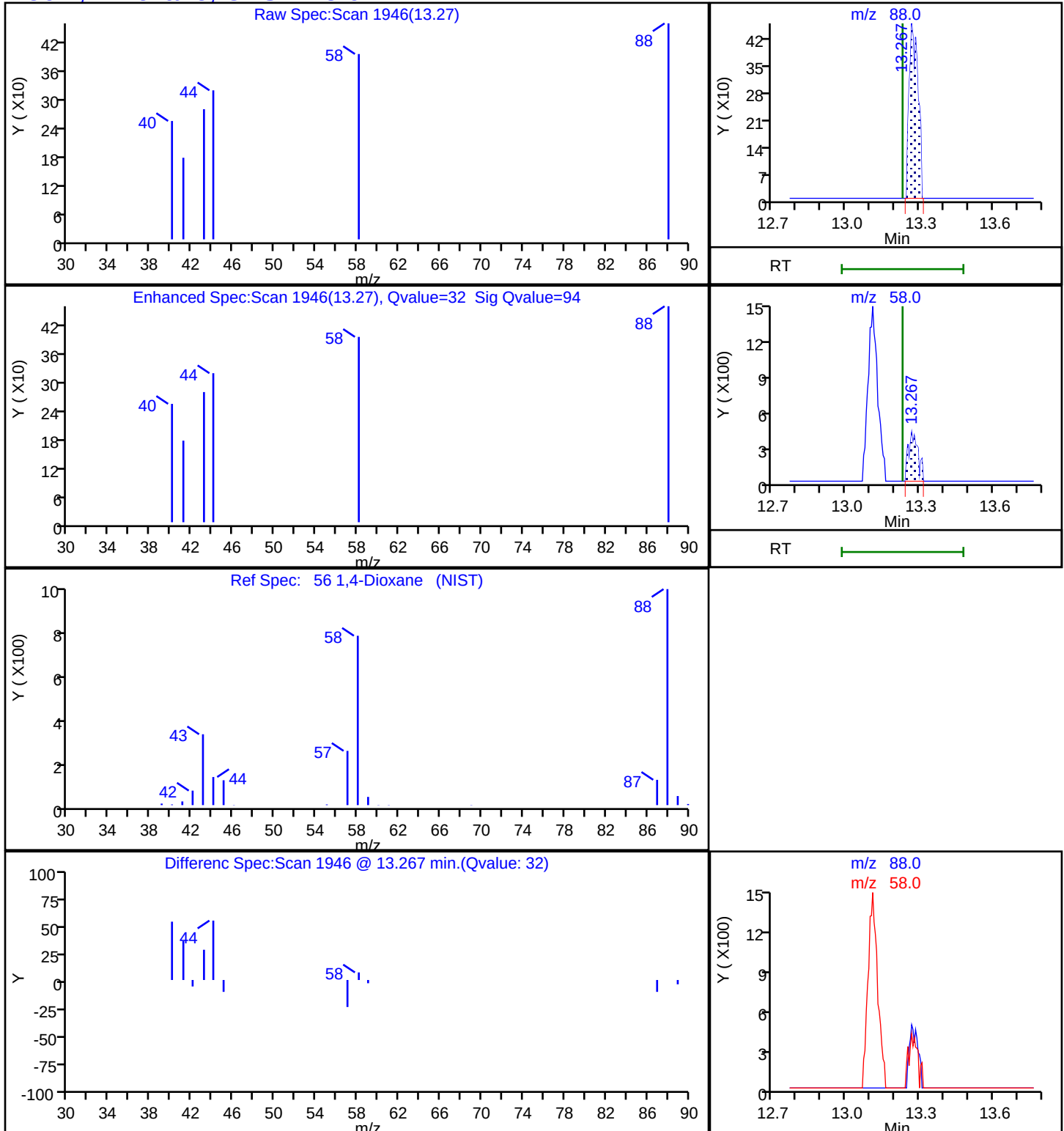
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

56 1,4-Dioxane, CAS: 123-91-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D

Injection Date: 20-Feb-2020 23:13:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-2

Lab Sample ID: 200-52685-2

Client ID: IA-04-021420

Operator ID: ggg

ALS Bottle#: 15

Worklist Smp#: 15

Purge Vol: 200.000 mL

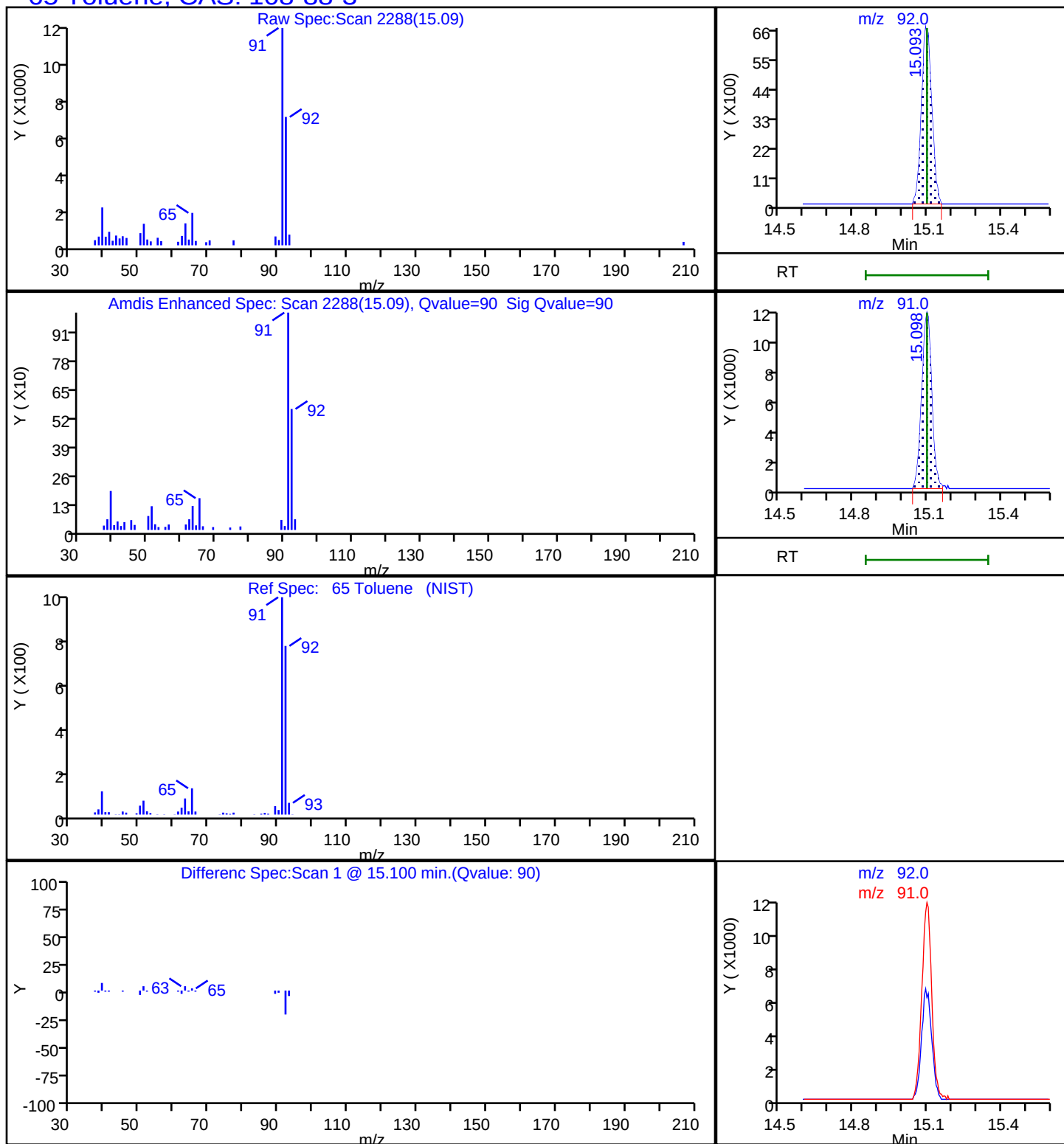
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

65 Toluene, CAS: 108-88-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D

Injection Date: 20-Feb-2020 23:13:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-2

Lab Sample ID: 200-52685-2

Client ID: IA-04-021420

Operator ID: ggg

ALS Bottle#: 15

Worklist Smp#: 15

Purge Vol: 200.000 mL

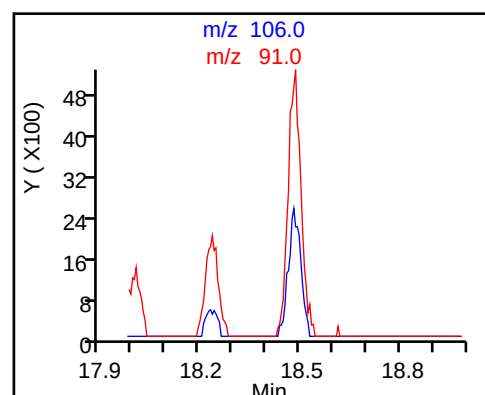
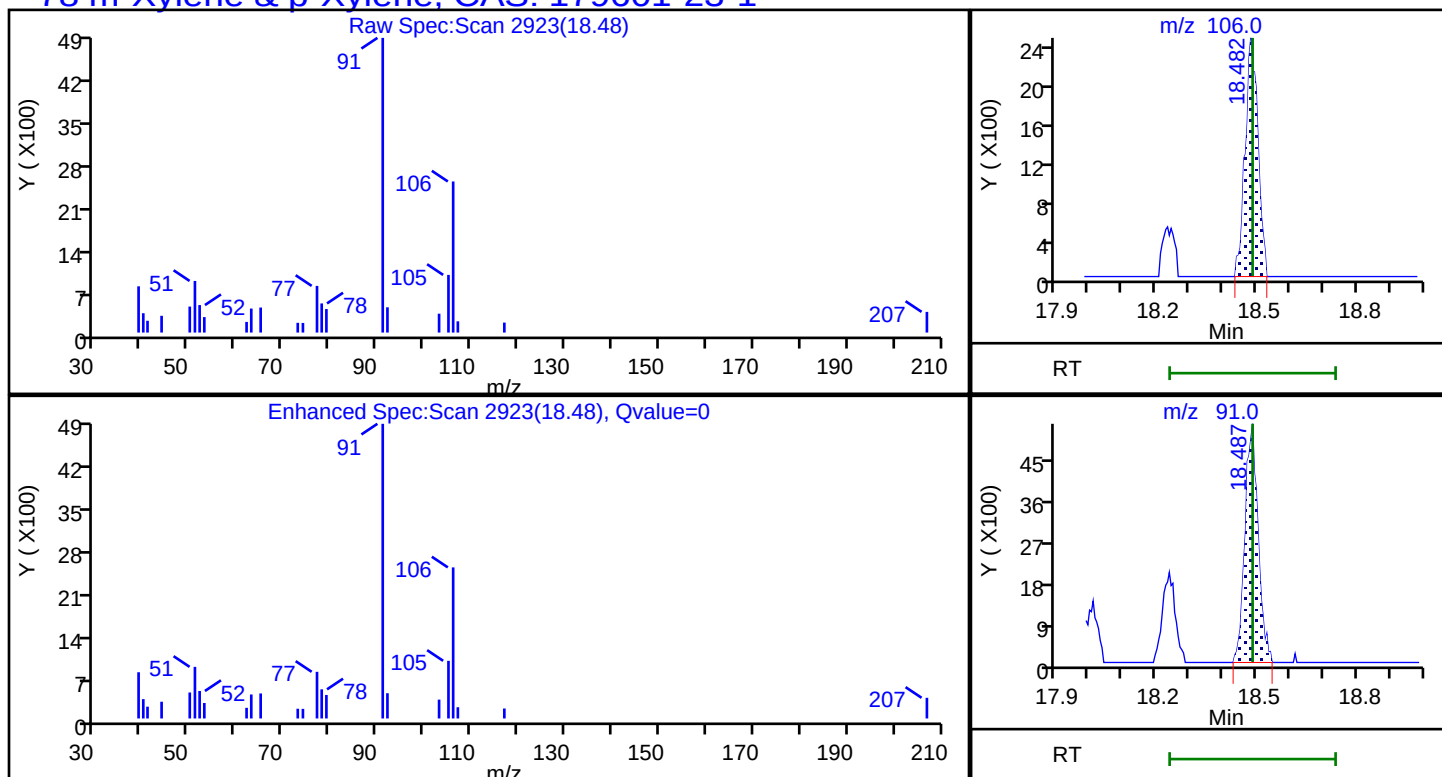
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

78 m-Xylene & p-Xylene, CAS: 179601-23-1

Eurofins TestAmerica, Burlington

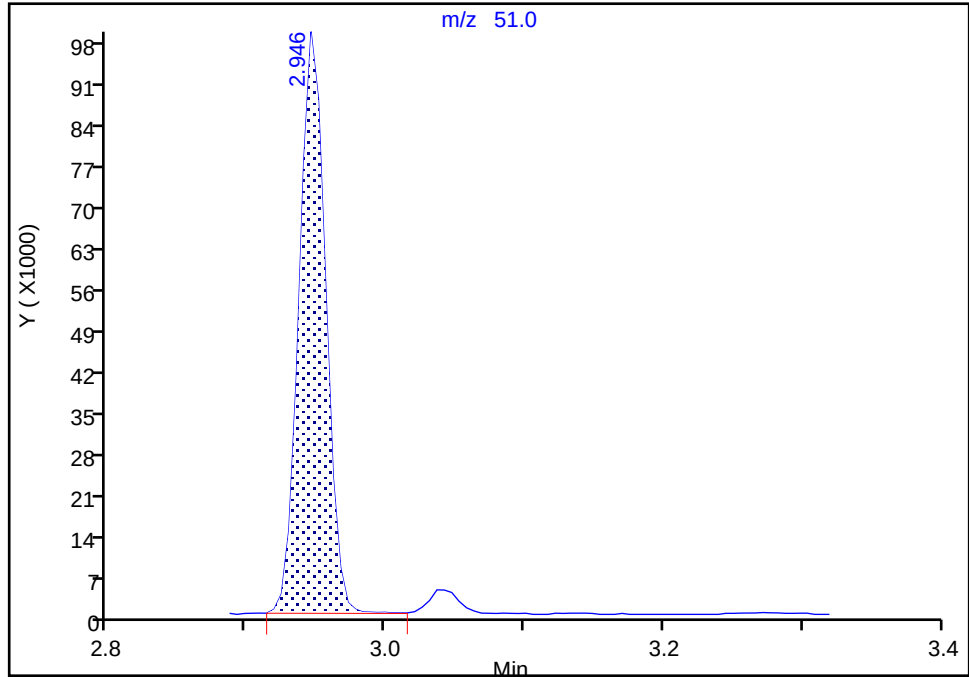
Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D
Injection Date: 20-Feb-2020 23:13:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-2 Lab Sample ID: 200-52685-2
Client ID: IA-04-021420
Operator ID: ggg ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

3 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

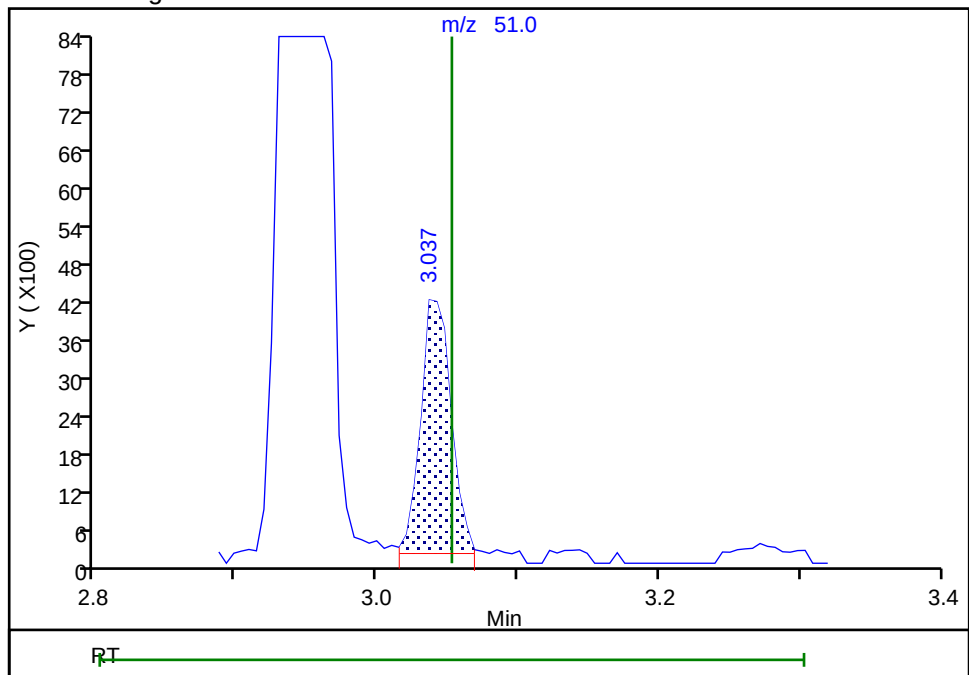
RT: 2.95
Area: 132460
Amount: 3.975969
Amount Units: ppb v/v

Processing Integration Results



RT: 3.04
Area: 6049
Amount: 0.181569
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 14:17:22

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

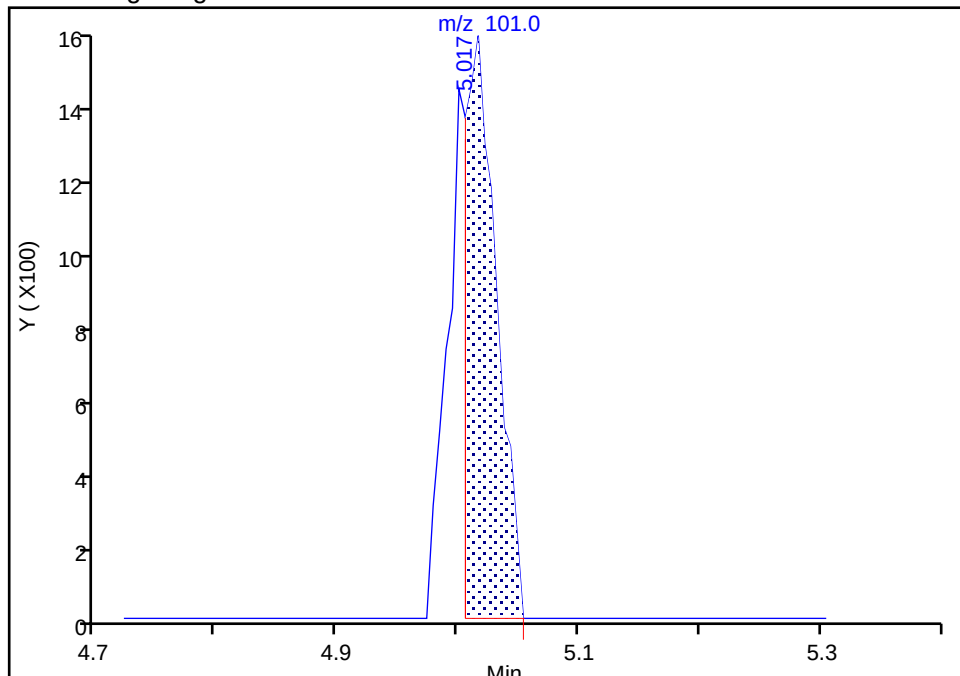
Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D
Injection Date: 20-Feb-2020 23:13:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-2 Lab Sample ID: 200-52685-2
Client ID: IA-04-021420
Operator ID: ggg ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

14 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

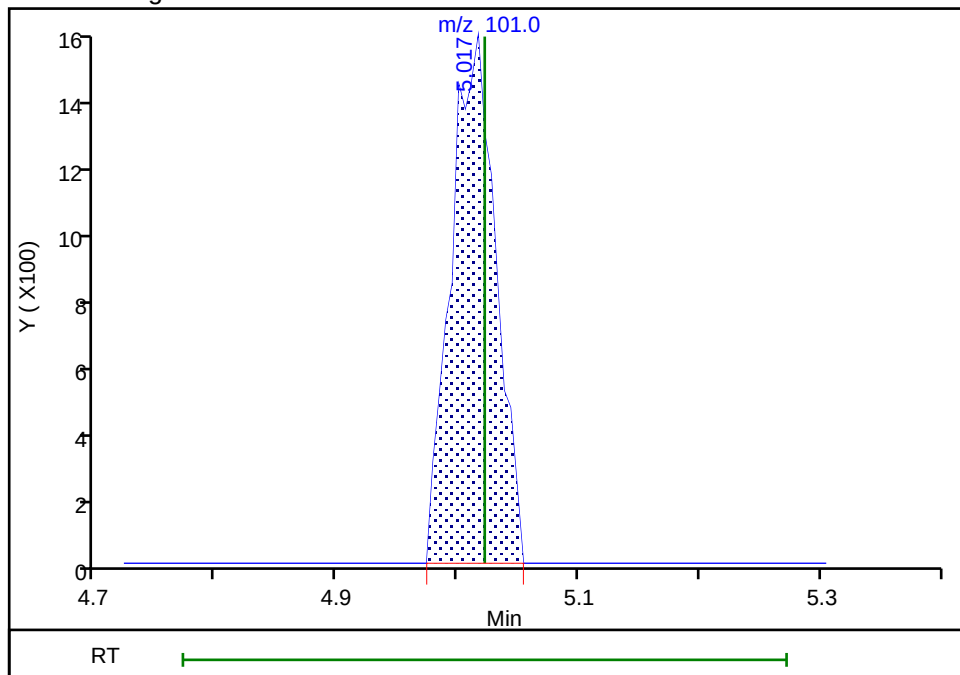
RT: 5.02
Area: 2797
Amount: 0.068910
Amount Units: ppb v/v

Processing Integration Results



RT: 5.02
Area: 3999
Amount: 0.098524
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 14:18:13

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

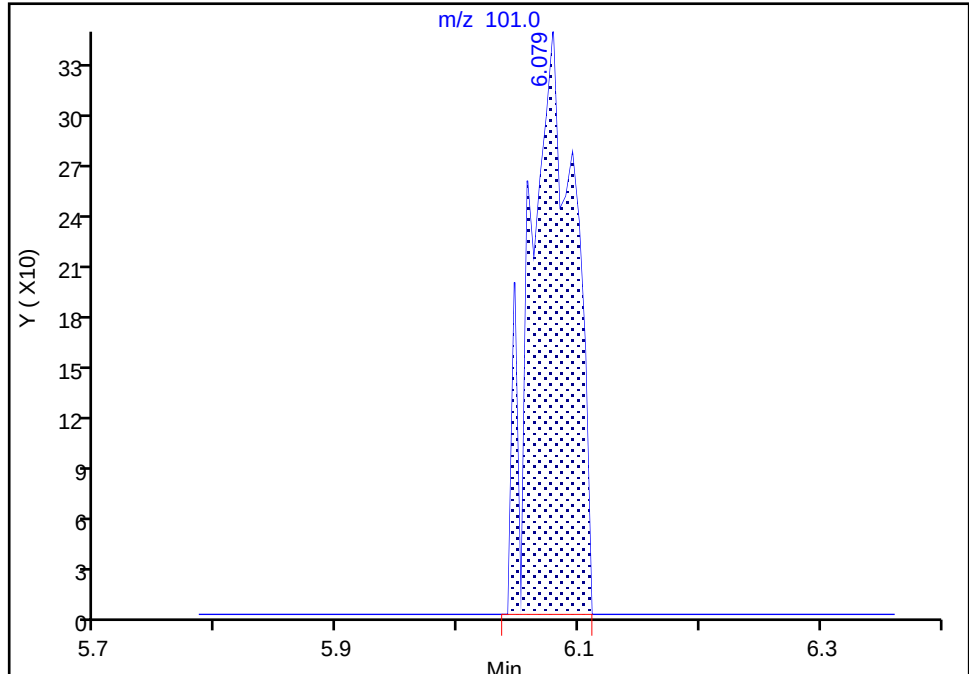
Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D
Injection Date: 20-Feb-2020 23:13:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-2 Lab Sample ID: 200-52685-2
Client ID: IA-04-021420
Operator ID: ggg ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

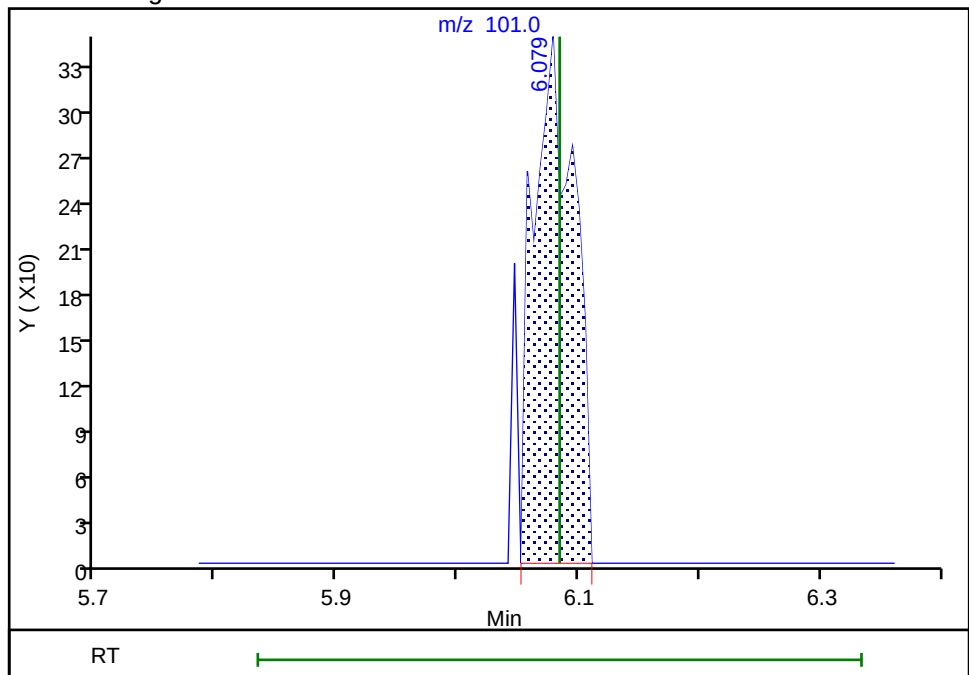
RT: 6.08
Area: 866
Amount: 0.027014
Amount Units: ppb v/v

Processing Integration Results



RT: 6.08
Area: 803
Amount: 0.025049
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 14:18:26

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

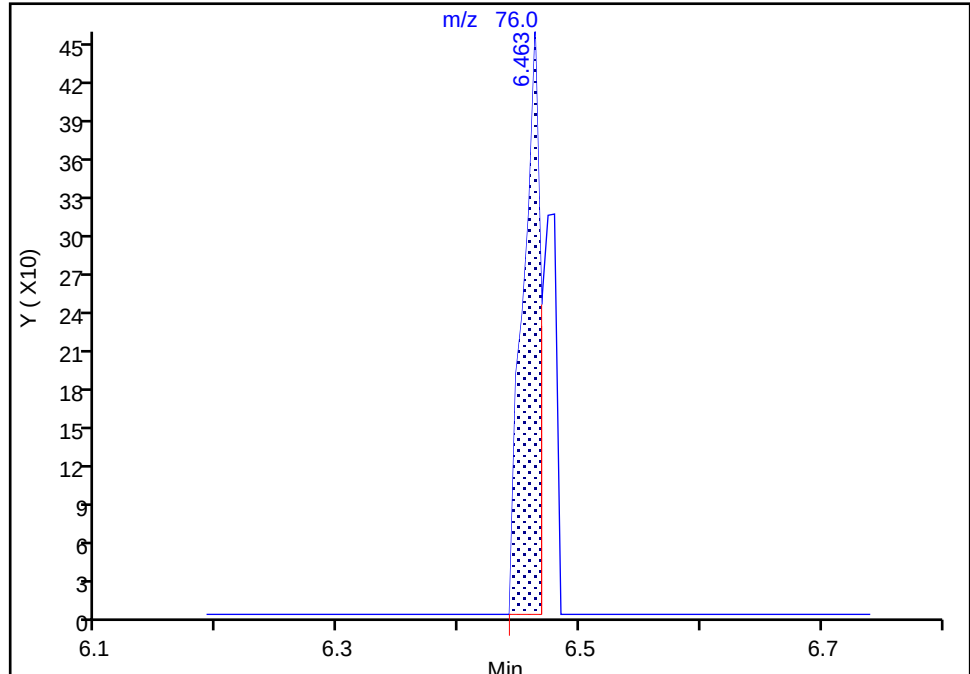
Data File:	\\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D		
Injection Date:	20-Feb-2020 23:13:30	Instrument ID:	CHC.i
Lims ID:	200-52685-A-2	Lab Sample ID:	200-52685-2
Client ID:	IA-04-021420		
Operator ID:	ggg	ALS Bottle#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	15

23 Carbon disulfide, CAS: 75-15-0

Signal: 1

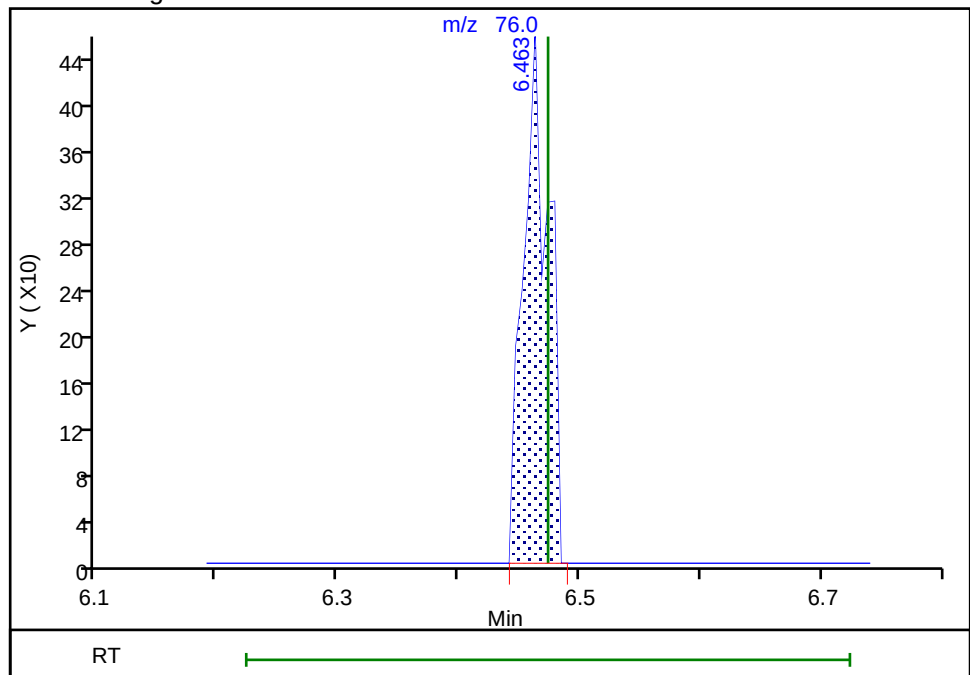
RT: 6.46
Area: 461
Amount: 0.009683
Amount Units: ppb v/v

Processing Integration Results



RT: 6.46
Area: 662
Amount: 0.013906
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 14:19:08

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D

Injection Date: 20-Feb-2020 23:13:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-2

Lab Sample ID: 200-52685-2

Client ID: IA-04-021420

Operator ID: ggg

ALS Bottle#: 15 Worklist Smp#: 15

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

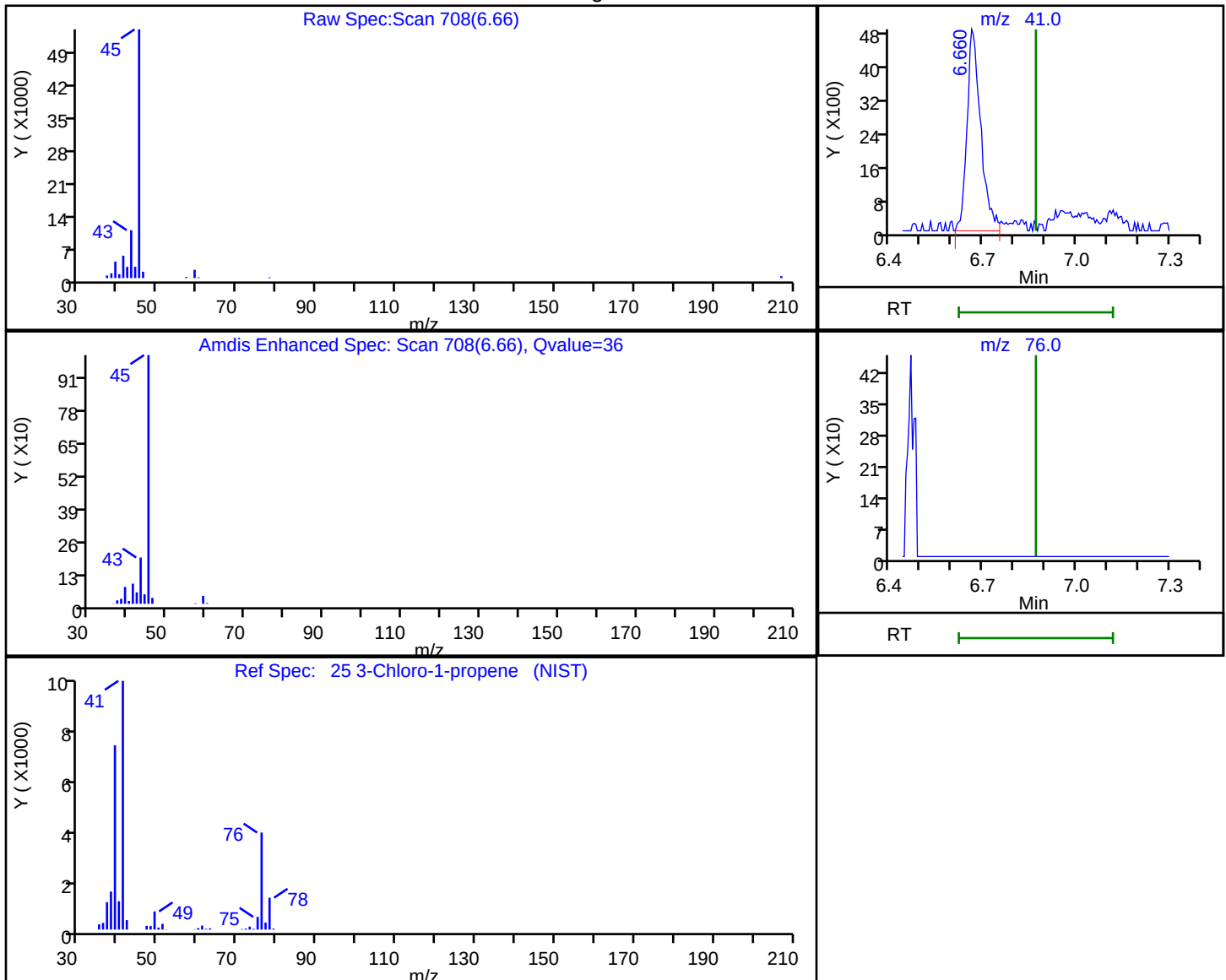
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

25 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
6.66	41.00	14993	0.478815
6.87	76.00	0	

Reviewer: bunmaa, 21-Feb-2020 14:19:29

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

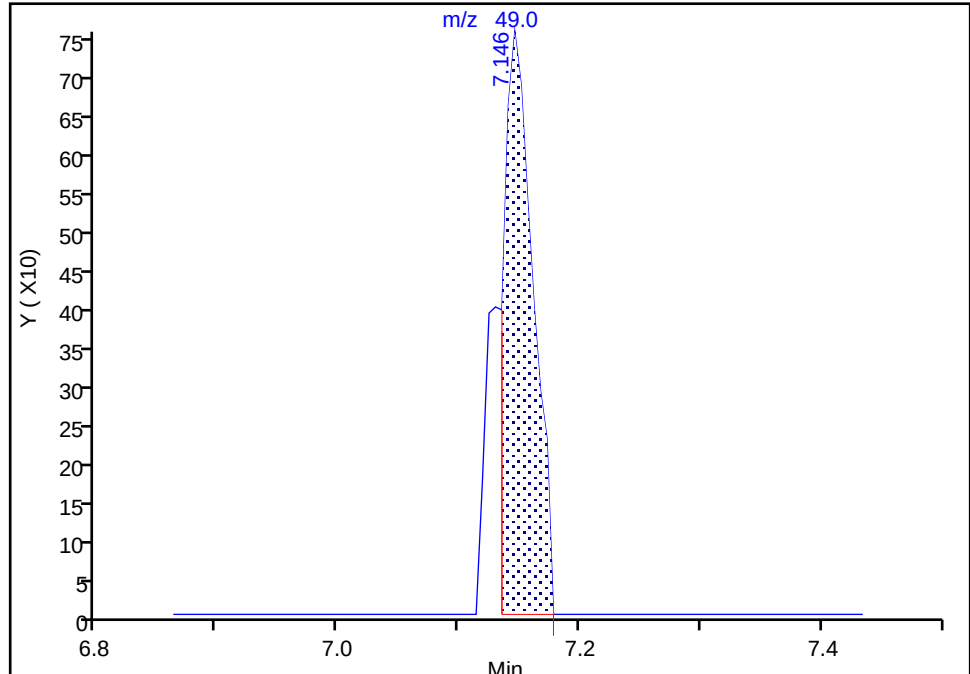
Data File:	\\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D				
Injection Date:	20-Feb-2020 23:13:30	Instrument ID:	CHC.i		
Lims ID:	200-52685-A-2	Lab Sample ID:	200-52685-2		
Client ID:	IA-04-021420				
Operator ID:	ggg	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN		

27 Methylene Chloride, CAS: 75-09-2

Signal: 1

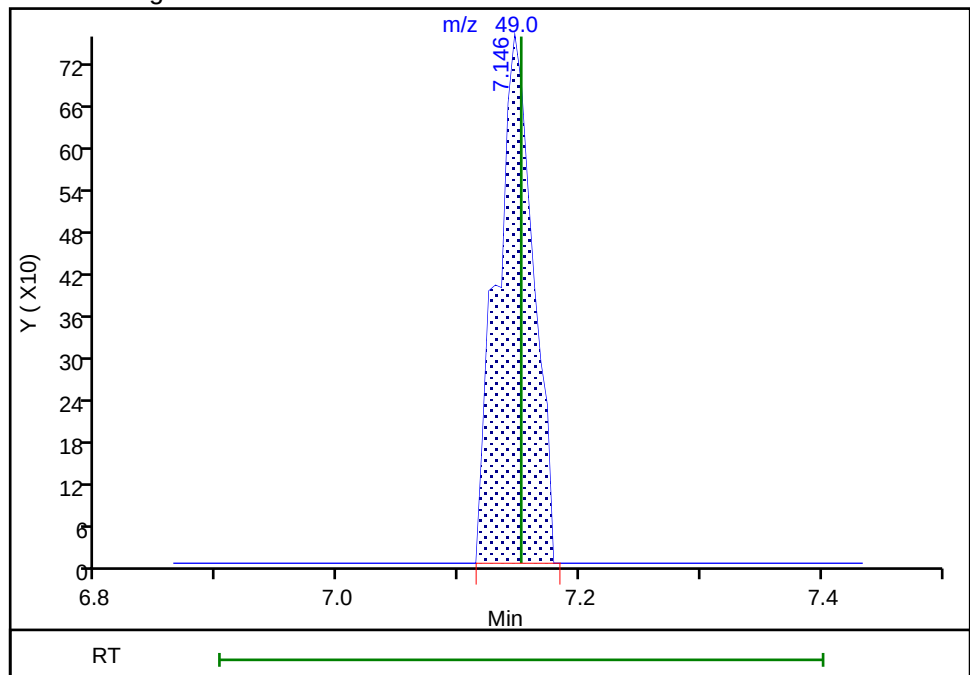
RT: 7.15
Area: 1272
Amount: 0.051516
Amount Units: ppb v/v

Processing Integration Results



RT: 7.15
Area: 1584
Amount: 0.064152
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 14:19:40

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

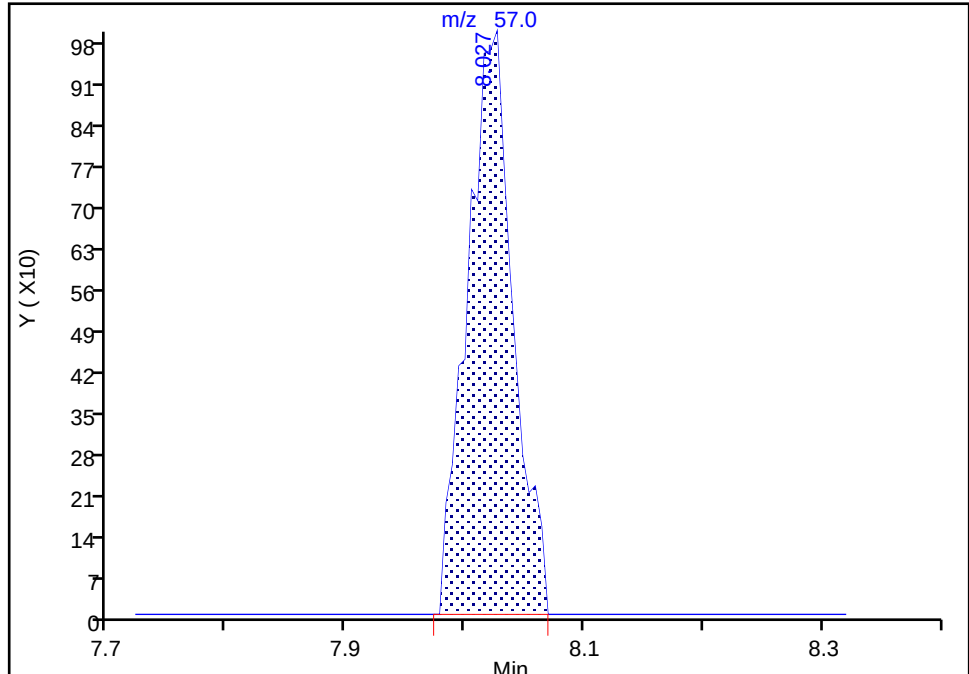
Data File:	\\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D		
Injection Date:	20-Feb-2020 23:13:30	Instrument ID:	CHC.i
Lims ID:	200-52685-A-2	Lab Sample ID:	200-52685-2
Client ID:	IA-04-021420		
Operator ID:	ggg	ALS Bottle#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	15

33 Hexane, CAS: 110-54-3

Signal: 1

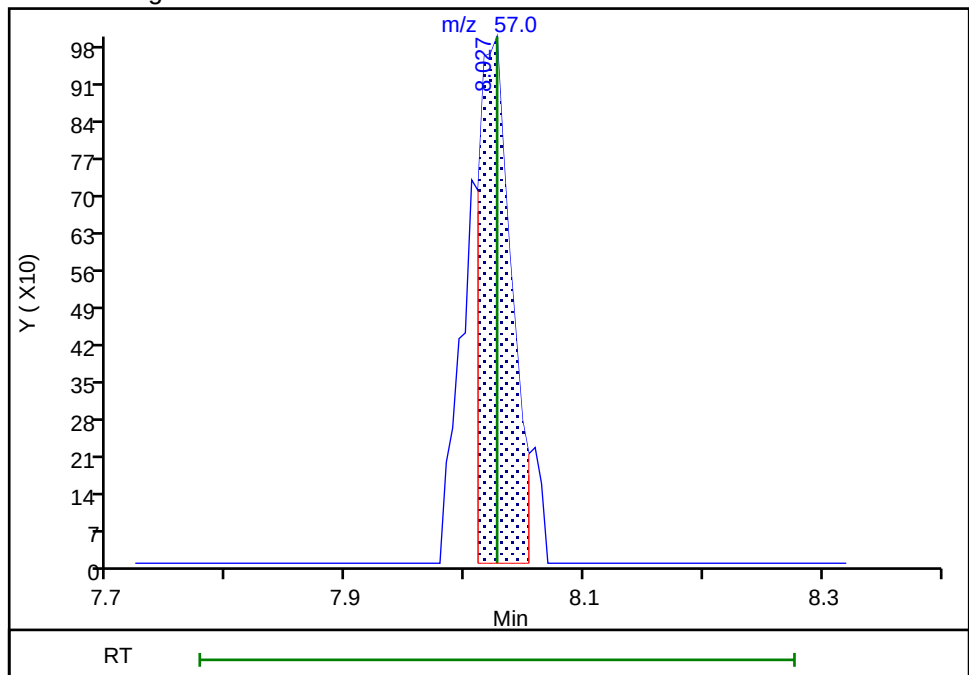
RT: 8.03
Area: 2645
Amount: 0.087267
Amount Units: ppb v/v

Processing Integration Results



RT: 8.03
Area: 1879
Amount: 0.061995
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 14:20:08

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

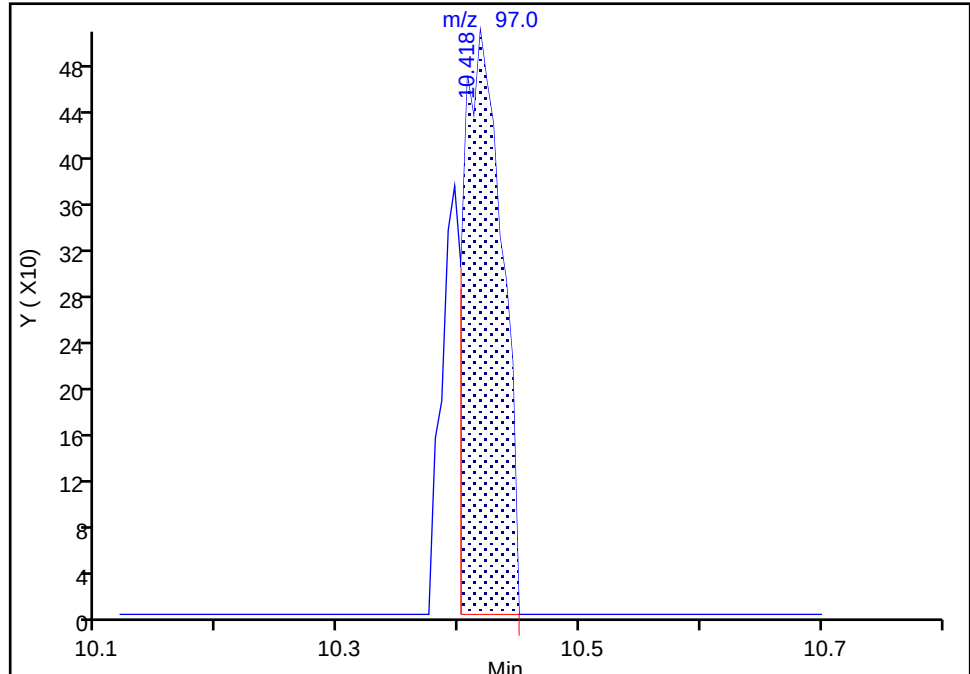
Data File:	\\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D		
Injection Date:	20-Feb-2020 23:13:30	Instrument ID:	CHC.i
Lims ID:	200-52685-A-2	Lab Sample ID:	200-52685-2
Client ID:	IA-04-021420		
Operator ID:	ggg	ALS Bottle#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	15

44 1,1,1-Trichloroethane, CAS: 71-55-6

Signal: 1

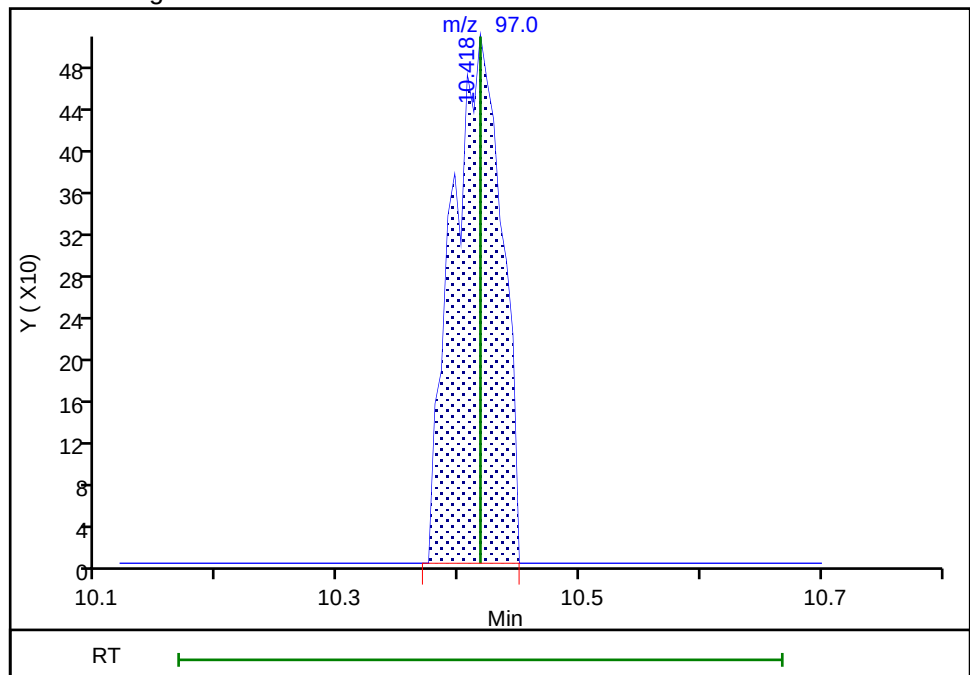
RT: 10.42
Area: 1090
Amount: 0.024852
Amount Units: ppb v/v

Processing Integration Results



RT: 10.42
Area: 1422
Amount: 0.032422
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 14:20:55

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

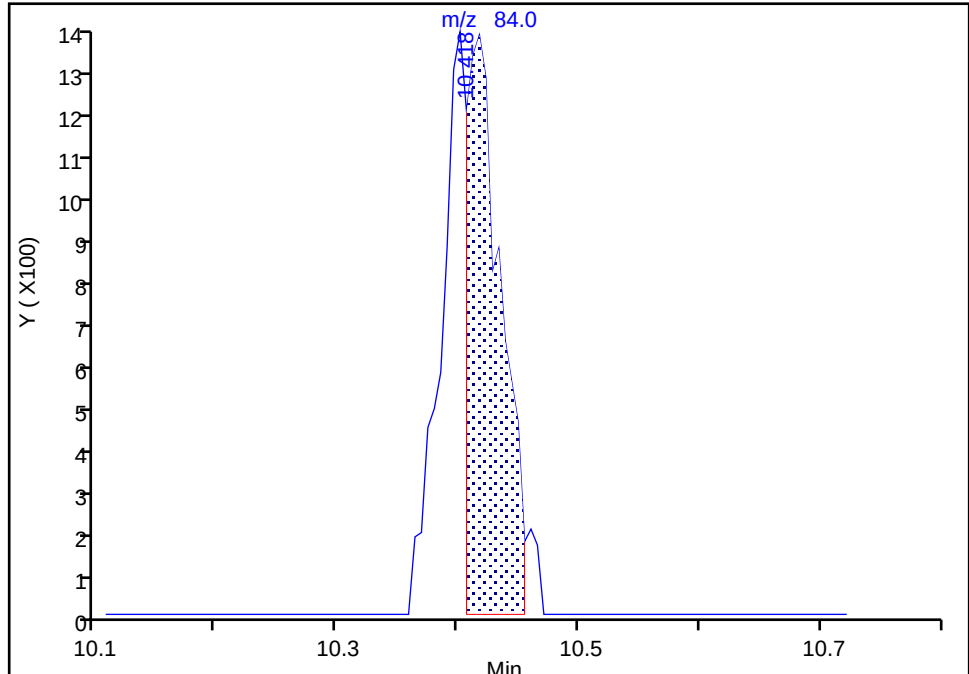
Data File:	\\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D		
Injection Date:	20-Feb-2020 23:13:30	Instrument ID:	CHC.i
Lims ID:	200-52685-A-2	Lab Sample ID:	200-52685-2
Client ID:	IA-04-021420		
Operator ID:	ggg	ALS Bottle#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	15

43 Cyclohexane, CAS: 110-82-7

Signal: 1

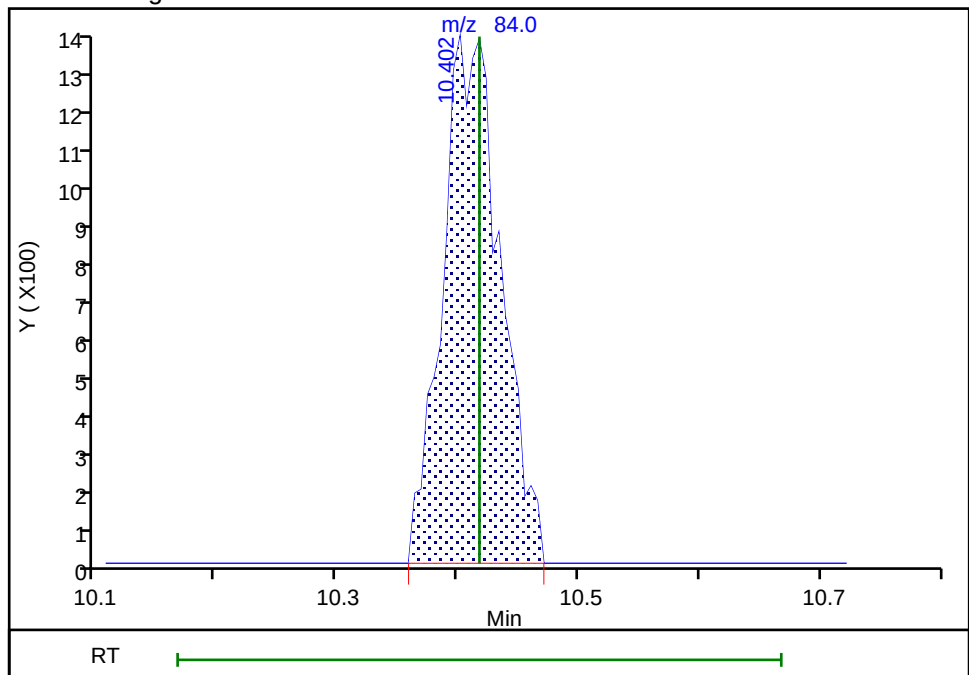
RT: 10.42
Area: 2718
Amount: 0.103945
Amount Units: ppb v/v

Processing Integration Results



RT: 10.40
Area: 4536
Amount: 0.173471
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 14:20:36

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

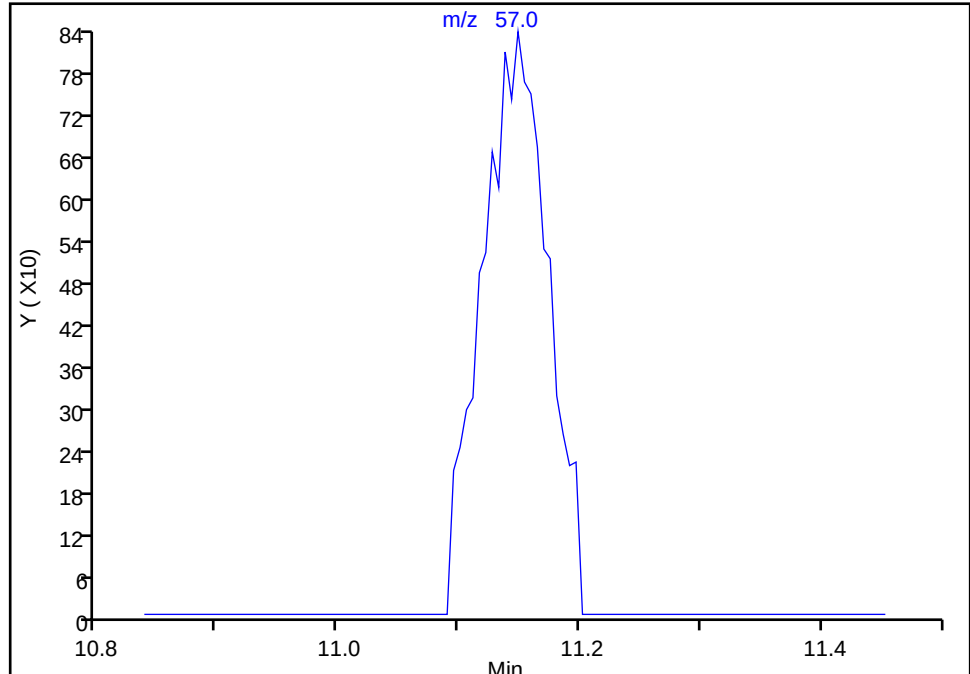
Data File:	\\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D		
Injection Date:	20-Feb-2020 23:13:30	Instrument ID:	CHC.i
Lims ID:	200-52685-A-2	Lab Sample ID:	200-52685-2
Client ID:	IA-04-021420		
Operator ID:	ggg	ALS Bottle#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	15

46 Isooctane, CAS: 540-84-1

Signal: 1

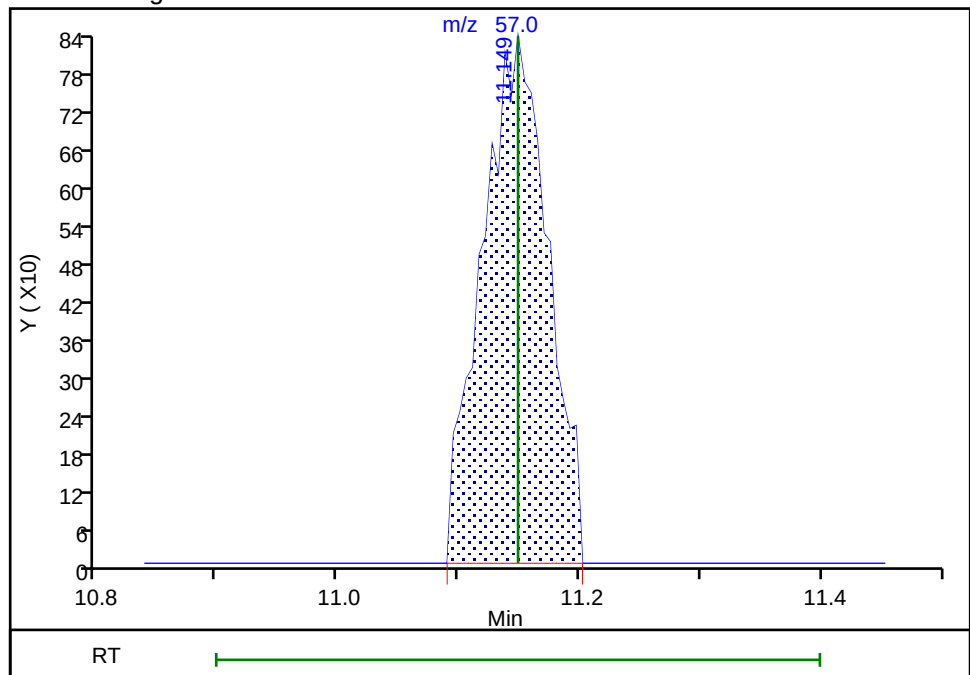
Not Detected
Expected RT: 11.15

Processing Integration Results



Manual Integration Results

RT: 11.15
Area: 3175
Amount: 0.025940
Amount Units: ppb v/v



Reviewer: bunmaa, 21-Feb-2020 14:21:16

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

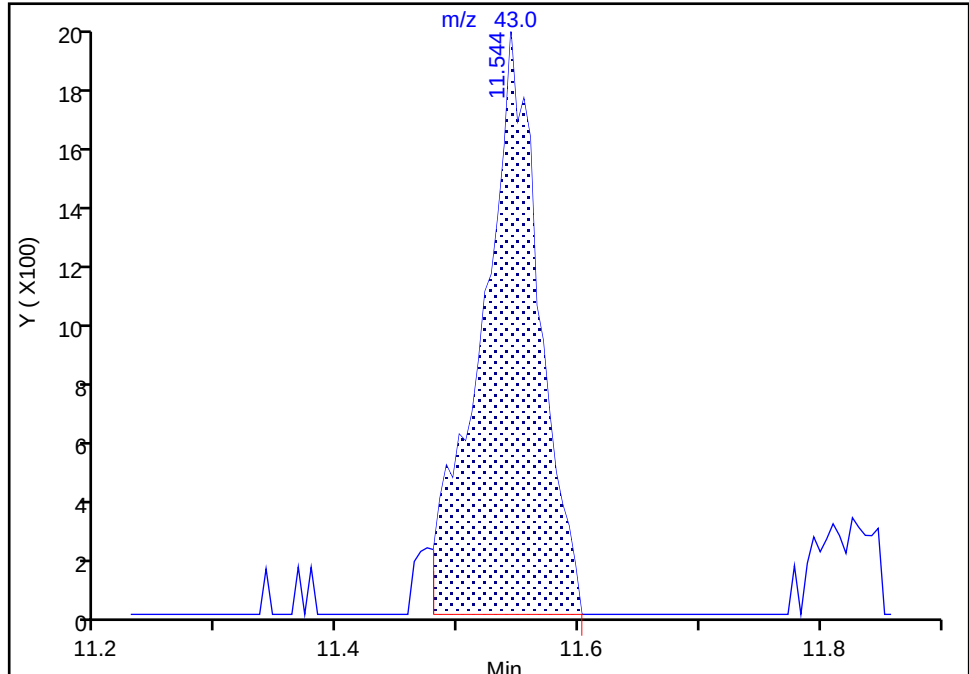
Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D
Injection Date: 20-Feb-2020 23:13:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-2 Lab Sample ID: 200-52685-2
Client ID: IA-04-021420
Operator ID: ggg ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

49 n-Heptane, CAS: 142-82-5

Signal: 1

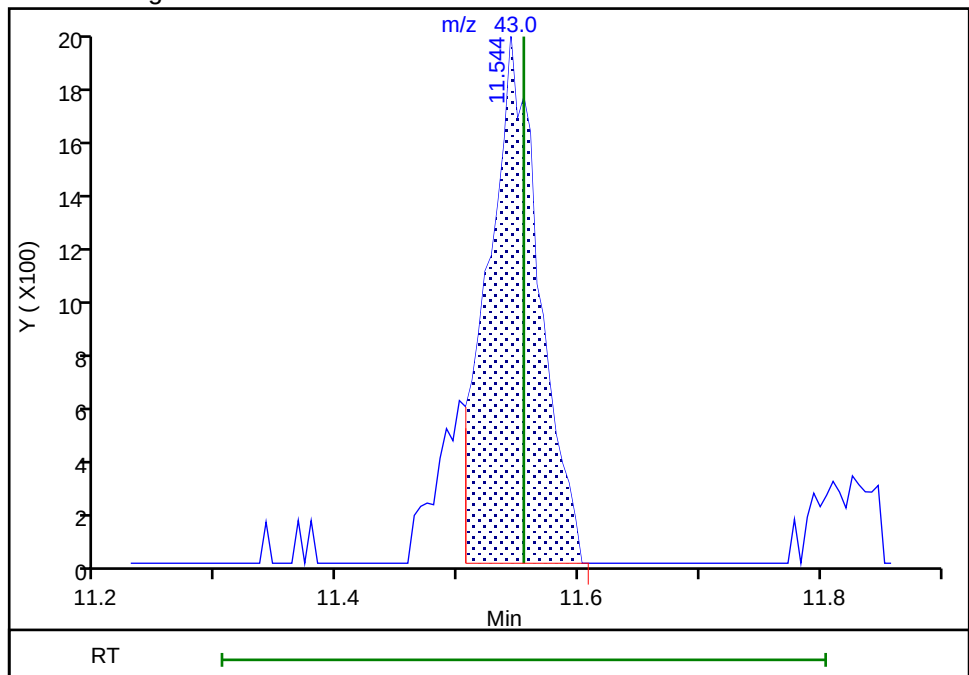
RT: 11.54
Area: 6370
Amount: 0.105460
Amount Units: ppb v/v

Processing Integration Results



RT: 11.54
Area: 5690
Amount: 0.094202
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 14:22:05

Audit Action: Manually Integrated

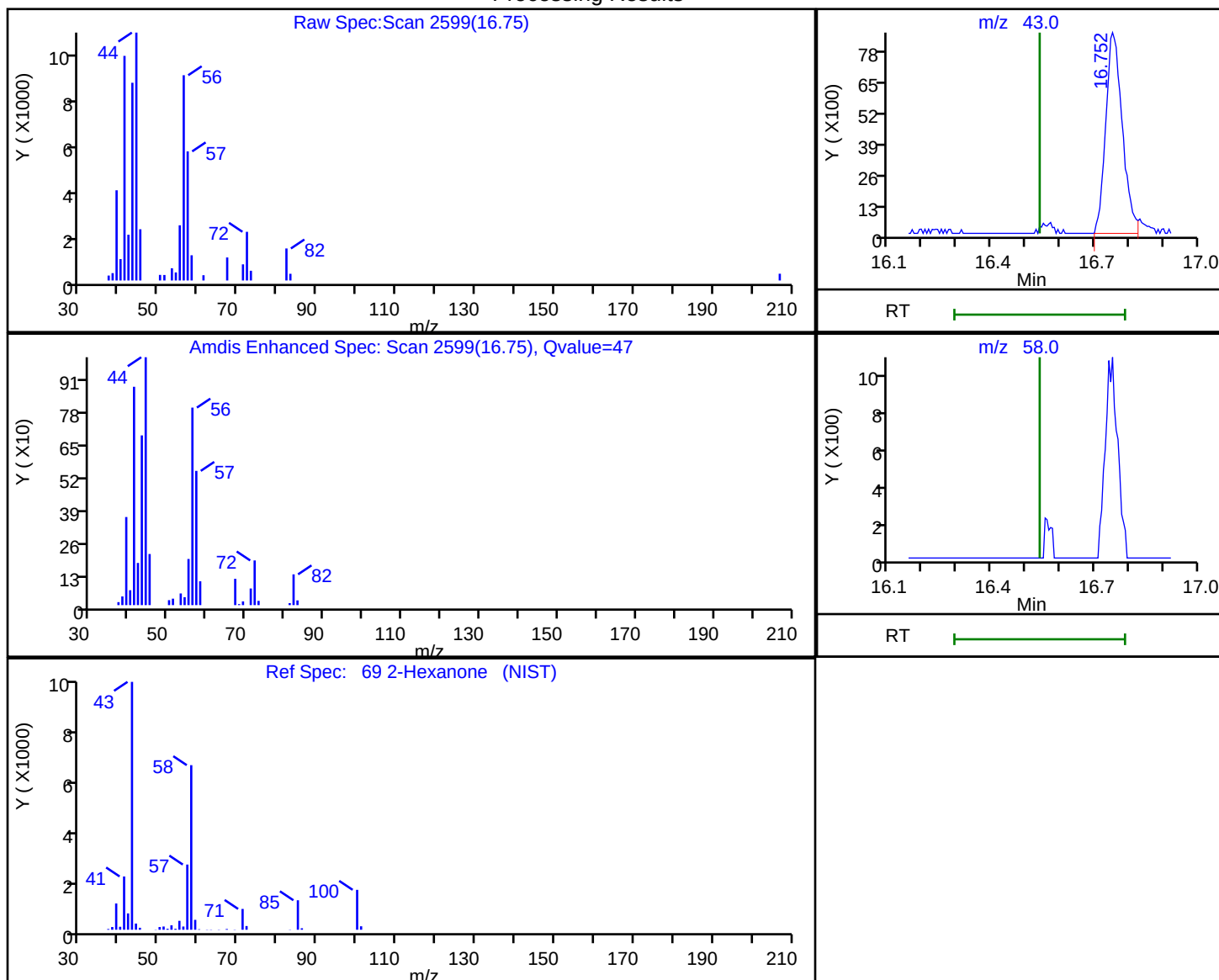
Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D
Injection Date: 20-Feb-2020 23:13:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-2 Lab Sample ID: 200-52685-2
Client ID: IA-04-021420
Operator ID: ggg ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

69 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
16.75	43.00	28967	0.337463
16.54	58.00	0	

Reviewer: bunmaa, 21-Feb-2020 14:22:55

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

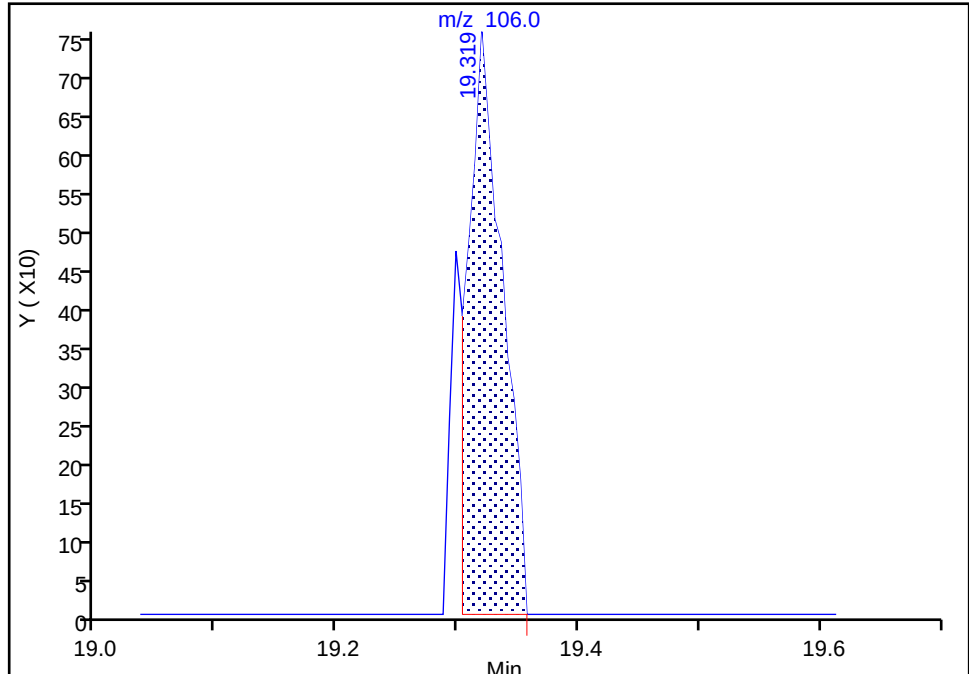
Data File:	\\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D		
Injection Date:	20-Feb-2020 23:13:30	Instrument ID:	CHC.i
Lims ID:	200-52685-A-2	Lab Sample ID:	200-52685-2
Client ID:	IA-04-021420		
Operator ID:	ggg	ALS Bottle#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	15

79 o-Xylene, CAS: 95-47-6

Signal: 1

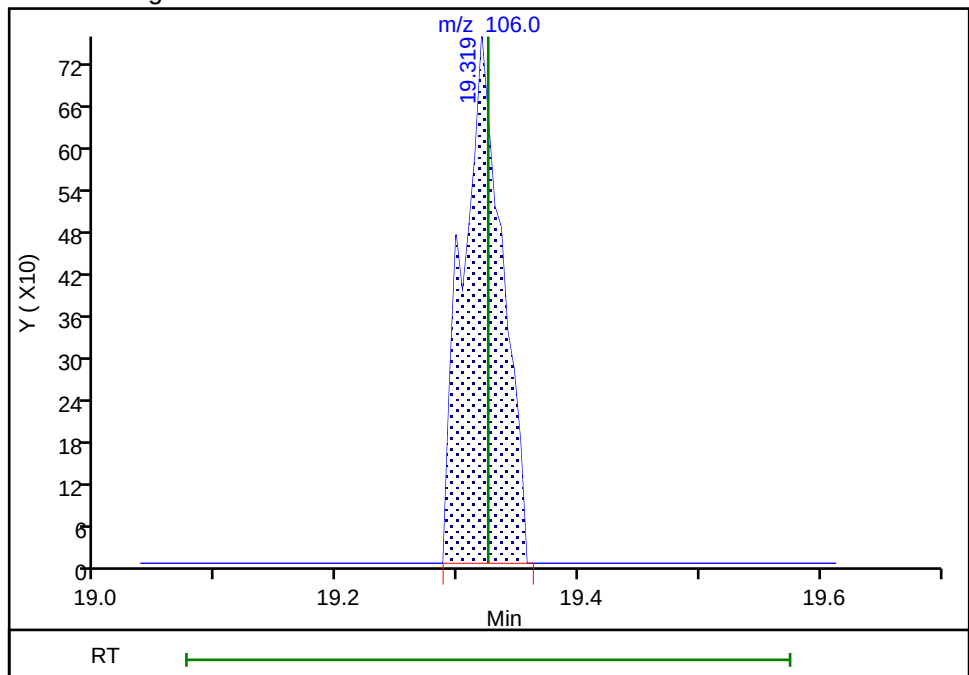
RT: 19.32
Area: 1476
Amount: 0.040712
Amount Units: ppb v/v

Processing Integration Results



RT: 19.32
Area: 1708
Amount: 0.047111
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 14:23:13

Audit Action: Manually Integrated

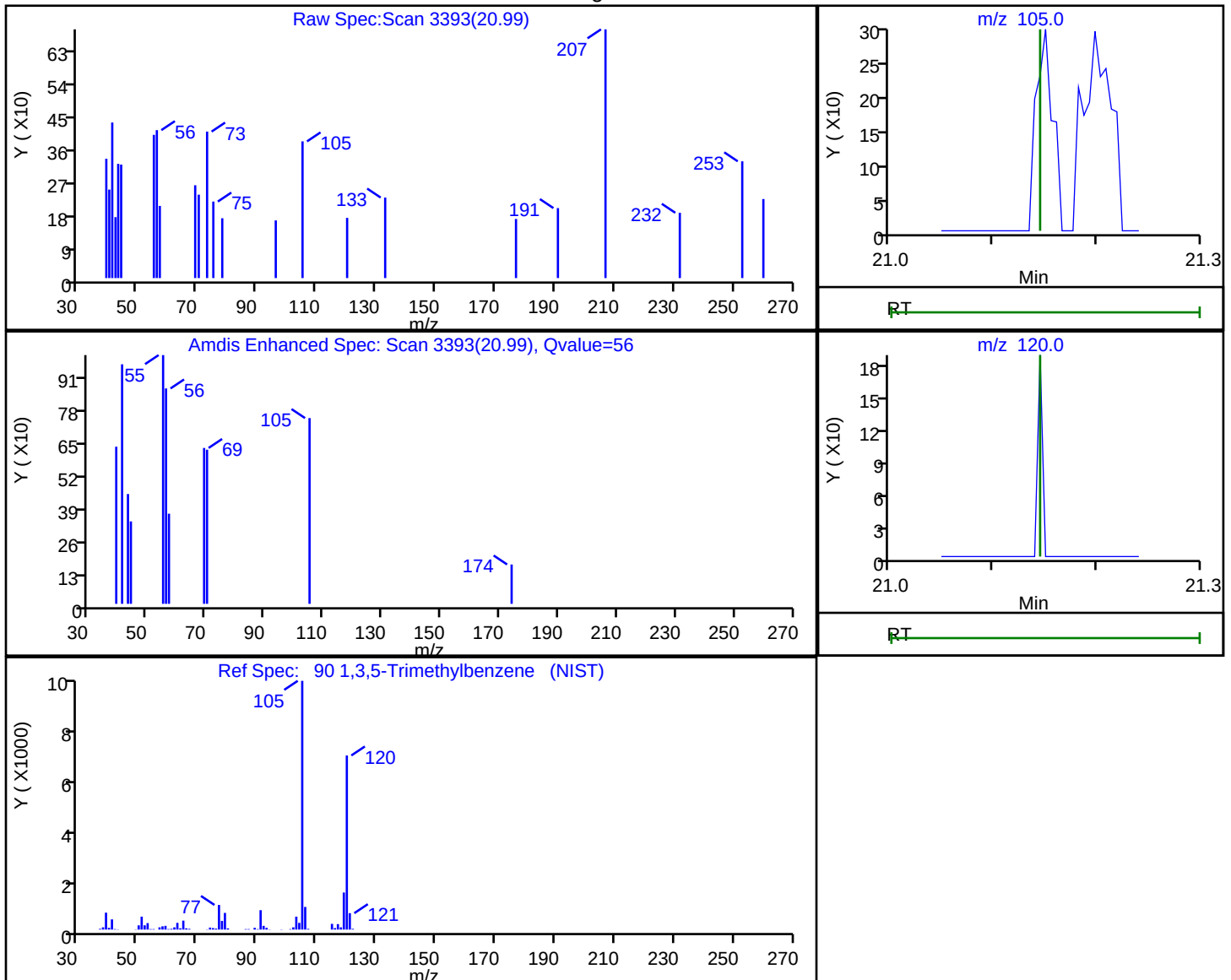
Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D
Injection Date: 20-Feb-2020 23:13:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-2 Lab Sample ID: 200-52685-2
Client ID: IA-04-021420
Operator ID: ggg ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

90 1,3,5-Trimethylbenzene, CAS: 108-67-8

Processing Results



RT	Mass	Response	Amount
20.99	105.00	692	0.007405
20.98	120.00	111	

Reviewer: bunmaa, 21-Feb-2020 14:24:24

Audit Action: Marked Compound Undetected

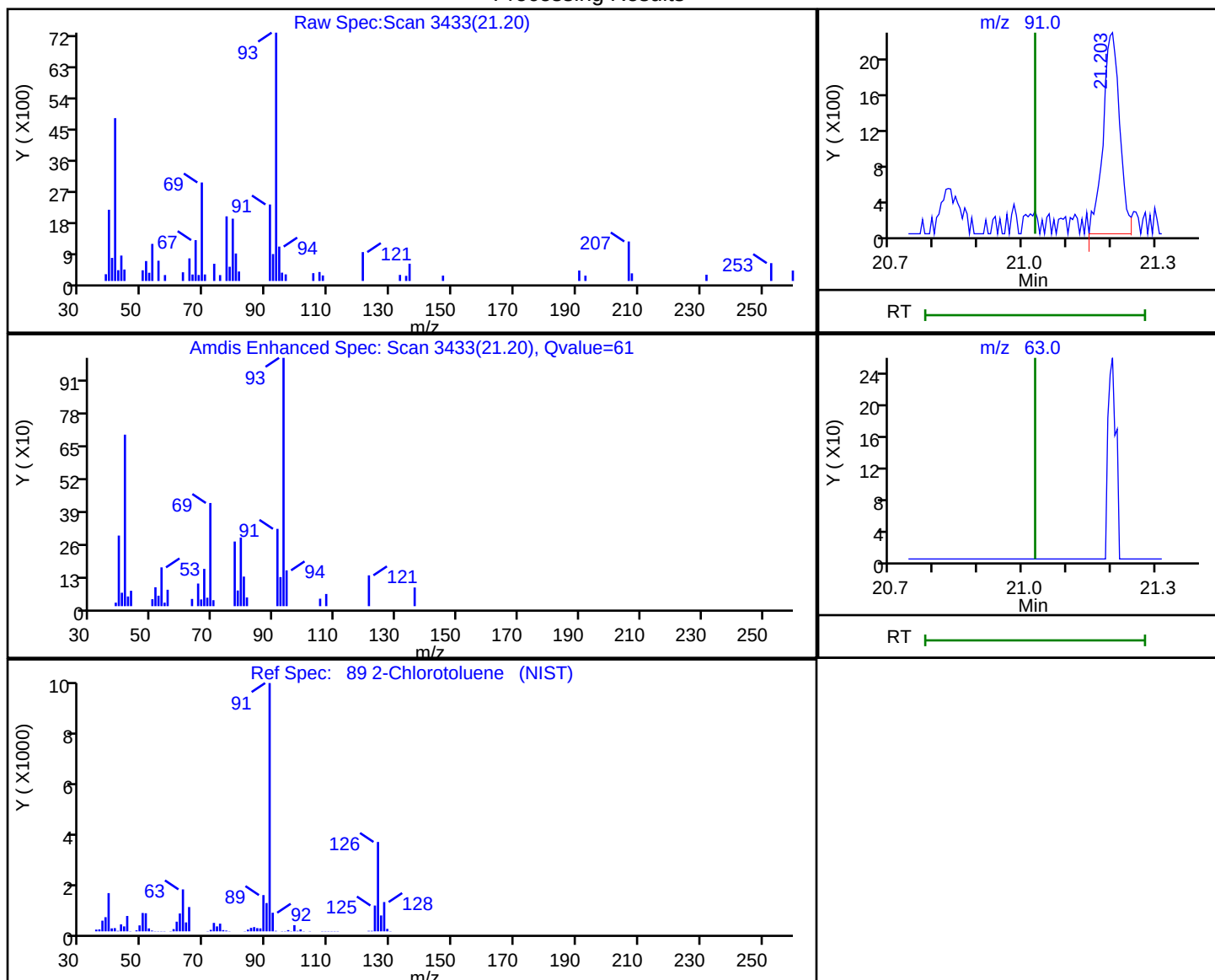
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D
Injection Date: 20-Feb-2020 23:13:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-2 Lab Sample ID: 200-52685-2
Client ID: IA-04-021420
Operator ID: ggg ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

89 2-Chlorotoluene, CAS: 95-49-8

Processing Results



RT	Mass	Response	Amount
21.20	91.00	5868	0.056818
21.03	63.00	0	

Reviewer: bunmaa, 21-Feb-2020 14:24:02

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-15.D

Injection Date: 20-Feb-2020 23:13:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-2

Lab Sample ID: 200-52685-2

Client ID: IA-04-021420

Operator ID: ggg

ALS Bottle#: 15 Worklist Smp#: 15

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

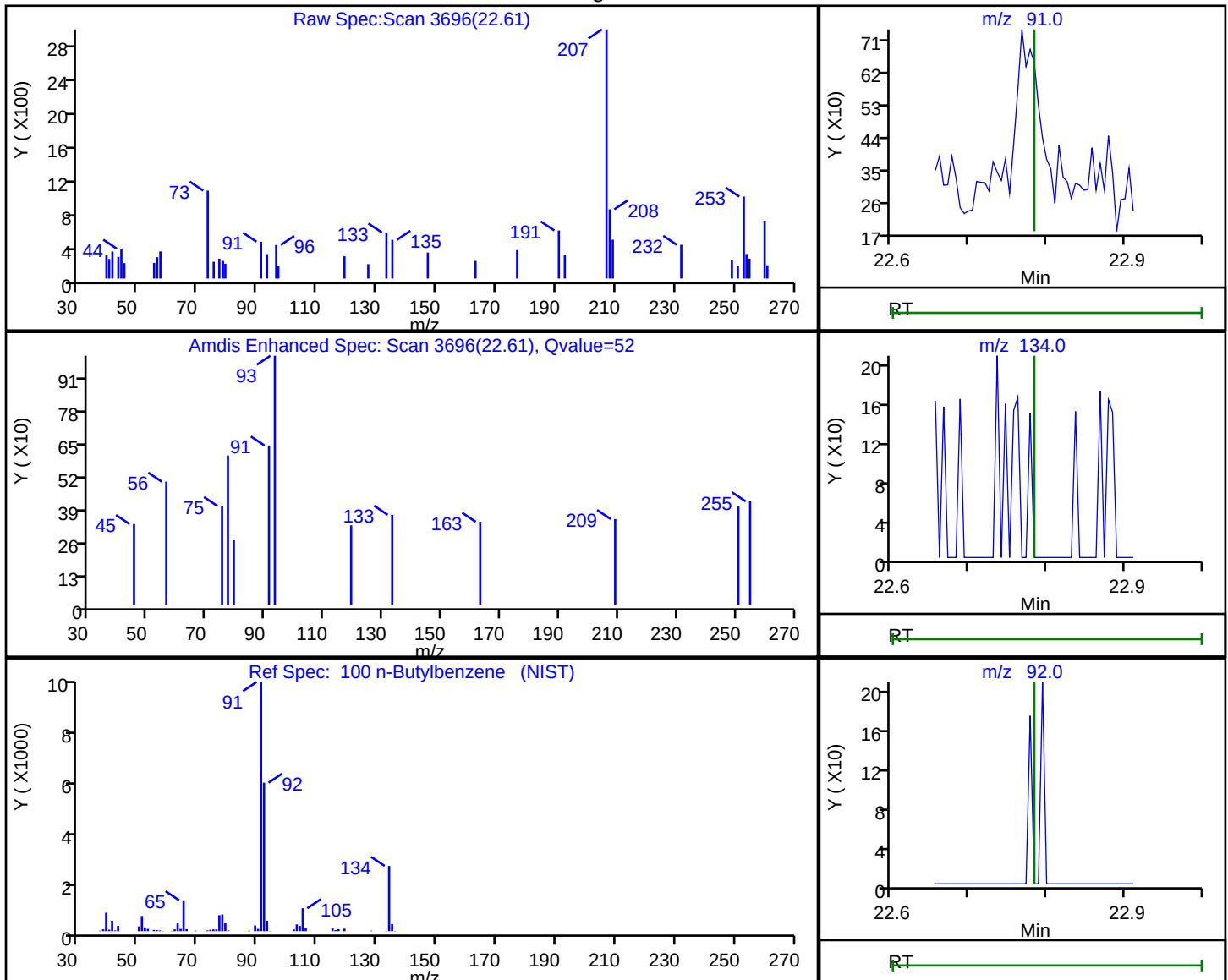
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

100 n-Butylbenzene, CAS: 104-51-8

Processing Results



RT	Mass	Response	Amount
22.61	91.00	708	0.005774
22.78	134.00	0	
22.78	92.00	0	

Reviewer: bunmaa, 21-Feb-2020 14:25:02

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SS-SV-06-021420 Lab Sample ID: 200-52685-3
 Matrix: Air Lab File ID: 40108-20.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 10:45
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 03:40
 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.: 152580 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.37	J	0.50	0.11
75-45-6	Freon 22	86.47	1.3		0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.20	0.035
74-87-3	Chloromethane	50.49	0.48	J	0.50	0.11
106-97-8	n-Butane	58.12	1.4		0.50	0.11
75-01-4	Vinyl chloride	62.50	ND		0.060	0.044
106-99-0	1,3-Butadiene	54.09	0.14	J	0.20	0.057
74-83-9	Bromomethane	94.94	ND		0.20	0.051
75-00-3	Chloroethane	64.52	ND		0.50	0.054
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.20	0.052
75-69-4	Trichlorofluoromethane	137.37	0.20		0.20	0.060
76-13-1	Freon TF	187.38	0.054	J	0.20	0.038
75-35-4	1,1-Dichloroethene	96.94	ND		0.20	0.039
67-64-1	Acetone	58.08	6.9		5.0	1.2
67-63-0	Isopropyl alcohol	60.10	5.5		5.0	0.48
75-15-0	Carbon disulfide	76.14	ND		0.50	0.074
107-05-1	3-Chloropropene	76.53	ND		0.50	0.064
75-09-2	Methylene Chloride	84.93	ND		0.50	0.27
75-65-0	tert-Butyl alcohol	74.12	0.28	J	5.0	0.038
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.20	0.033
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.20	0.042
110-54-3	n-Hexane	86.17	ND		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	ND		0.20	0.041
78-93-3	Methyl Ethyl Ketone	72.11	1.5		0.50	0.072
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.20	0.045
540-59-0	1,2-Dichloroethene, Total	96.94	ND		0.40	0.042
67-66-3	Chloroform	119.38	0.052	J	0.20	0.032
109-99-9	Tetrahydrofuran	72.11	0.090	J	5.0	0.066
71-55-6	1,1,1-Trichloroethane	133.41	0.22		0.20	0.036
110-82-7	Cyclohexane	84.16	0.20		0.20	0.046
56-23-5	Carbon tetrachloride	153.81	0.053	J	0.060	0.024
540-84-1	2,2,4-Trimethylpentane	114.23	0.046	J	0.20	0.041
71-43-2	Benzene	78.11	0.18	J	0.20	0.067
107-06-2	1,2-Dichloroethane	98.96	ND		0.20	0.032

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: SS-SV-06-021420 Lab Sample ID: 200-52685-3

Matrix: Air Lab File ID: 40108-20.D

Analysis Method: TO-15 Date Collected: 02/14/2020 10:45

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 03:40

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.: 152580 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.14	J	0.20	0.056
79-01-6	Trichloroethene	131.39	ND		0.060	0.035
80-62-6	Methyl methacrylate	100.12	ND		0.50	0.033
78-87-5	1,2-Dichloropropane	112.99	ND		0.20	0.033
123-91-1	1,4-Dioxane	88.11	ND		5.0	0.084
75-27-4	Bromodichloromethane	163.83	ND		0.20	0.035
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.20	0.032
108-10-1	methyl isobutyl ketone	100.16	ND		0.50	0.036
108-88-3	Toluene	92.14	0.50		0.20	0.11
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.20	0.039
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.20	0.036
127-18-4	Tetrachloroethene	165.83	0.038	J	0.20	0.033
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		0.50	0.048
124-48-1	Dibromochloromethane	208.29	ND		0.20	0.036
106-93-4	1,2-Dibromoethane	187.87	ND		0.20	0.049
108-90-7	Chlorobenzene	112.56	ND		0.20	0.056
100-41-4	Ethylbenzene	106.17	0.11	J	0.20	0.063
179601-23-1	m,p-Xylene	106.17	0.35	J	0.50	0.10
95-47-6	Xylene, o-	106.17	0.11	J	0.20	0.048
1330-20-7	Xylene (total)	106.17	0.46	J	0.70	0.048
100-42-5	Styrene	104.15	0.040	J	0.20	0.040
75-25-2	Bromoform	252.75	ND		0.20	0.048
98-82-8	Cumene	120.19	ND		0.20	0.035
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.20	0.042
103-65-1	n-Propylbenzene	120.19	ND		0.20	0.039
622-96-8	4-Ethyltoluene	120.20	ND		0.20	0.041
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.20	0.039
95-49-8	2-Chlorotoluene	126.59	ND		0.20	0.042
98-06-6	tert-Butylbenzene	134.22	ND		0.20	0.035
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.20	0.044
135-98-8	sec-Butylbenzene	134.22	ND		0.20	0.035
99-87-6	4-Isopropyltoluene	134.22	ND		0.20	0.039
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.20	0.11
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.20	0.12

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SS-SV-06-021420 Lab Sample ID: 200-52685-3
 Matrix: Air Lab File ID: 40108-20.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 10:45
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 03:40
 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.: 152580 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		0.20	0.085
104-51-8	n-Butylbenzene	134.22	ND		0.20	0.039
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.20	0.097
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.50	0.22
87-68-3	Hexachlorobutadiene	260.76	ND		0.20	0.076
91-20-3	Naphthalene	128.17	ND		0.50	0.17

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: SS-SV-06-021420 Lab Sample ID: 200-52685-3

Matrix: Air Lab File ID: 40108-20.D

Analysis Method: TO-15 Date Collected: 02/14/2020 10:45

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 03:40

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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	1.8	J	2.5	0.54
75-45-6	Freon 22	86.47	4.5		1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	0.24
74-87-3	Chloromethane	50.49	0.99	J	1.0	0.23
106-97-8	n-Butane	58.12	3.3		1.2	0.26
75-01-4	Vinyl chloride	62.50	ND		0.15	0.11
106-99-0	1,3-Butadiene	54.09	0.32	J	0.44	0.13
74-83-9	Bromomethane	94.94	ND		0.78	0.20
75-00-3	Chloroethane	64.52	ND		1.3	0.14
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.87	0.23
75-69-4	Trichlorofluoromethane	137.37	1.1		1.1	0.34
76-13-1	Freon TF	187.38	0.41	J	1.5	0.29
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	0.15
67-64-1	Acetone	58.08	16		12	2.9
67-63-0	Isopropyl alcohol	60.10	14		12	1.2
75-15-0	Carbon disulfide	76.14	ND		1.6	0.23
107-05-1	3-Chloropropene	76.53	ND		1.6	0.20
75-09-2	Methylene Chloride	84.93	ND		1.7	0.94
75-65-0	tert-Butyl alcohol	74.12	0.85	J	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.72	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.79	0.17
110-54-3	n-Hexane	86.17	ND		0.70	0.70
75-34-3	1,1-Dichloroethane	98.96	ND		0.81	0.17
78-93-3	Methyl Ethyl Ketone	72.11	4.4		1.5	0.21
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.79	0.18
540-59-0	1,2-Dichloroethene, Total	96.94	ND		1.6	0.17
67-66-3	Chloroform	119.38	0.25	J	0.98	0.16
109-99-9	Tetrahydrofuran	72.11	0.26	J	15	0.19
71-55-6	1,1,1-Trichloroethane	133.41	1.2		1.1	0.20
110-82-7	Cyclohexane	84.16	0.67		0.69	0.16
56-23-5	Carbon tetrachloride	153.81	0.33	J	0.38	0.15
540-84-1	2,2,4-Trimethylpentane	114.23	0.22	J	0.93	0.19
71-43-2	Benzene	78.11	0.57	J	0.64	0.21
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	0.13

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: SS-SV-06-021420 Lab Sample ID: 200-52685-3

Matrix: Air Lab File ID: 40108-20.D

Analysis Method: TO-15 Date Collected: 02/14/2020 10:45

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 03:40

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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.57	J	0.82	0.23
79-01-6	Trichloroethene	131.39	ND		0.32	0.19
80-62-6	Methyl methacrylate	100.12	ND		2.0	0.14
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.15
123-91-1	1,4-Dioxane	88.11	ND		18	0.30
75-27-4	Bromodichloromethane	163.83	ND		1.3	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	0.15
108-10-1	methyl isobutyl ketone	100.16	ND		2.0	0.15
108-88-3	Toluene	92.14	1.9		0.75	0.41
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	0.18
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.25	J	1.4	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		2.0	0.20
124-48-1	Dibromochloromethane	208.29	ND		1.7	0.31
106-93-4	1,2-Dibromoethane	187.87	ND		1.5	0.38
108-90-7	Chlorobenzene	112.56	ND		0.92	0.26
100-41-4	Ethylbenzene	106.17	0.46	J	0.87	0.27
179601-23-1	m,p-Xylene	106.17	1.5	J	2.2	0.43
95-47-6	Xylene, o-	106.17	0.49	J	0.87	0.21
1330-20-7	Xylene (total)	106.17	2.0	J	3.0	0.21
100-42-5	Styrene	104.15	0.17	J	0.85	0.17
75-25-2	Bromoform	252.75	ND		2.1	0.50
98-82-8	Cumene	120.19	ND		0.98	0.17
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	0.29
103-65-1	n-Propylbenzene	120.19	ND		0.98	0.19
622-96-8	4-Ethyltoluene	120.20	ND		0.98	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.98	0.19
95-49-8	2-Chlorotoluene	126.59	ND		1.0	0.22
98-06-6	tert-Butylbenzene	134.22	ND		1.1	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.98	0.22
135-98-8	sec-Butylbenzene	134.22	ND		1.1	0.19
99-87-6	4-Isopropyltoluene	134.22	ND		1.1	0.21
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.2	0.66
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.2	0.72

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SS-SV-06-021420 Lab Sample ID: 200-52685-3
 Matrix: Air Lab File ID: 40108-20.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 10:45
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 03:40
 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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		1.0	0.44
104-51-8	n-Butylbenzene	134.22	ND		1.1	0.21
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	0.58
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3.7	1.6
87-68-3	Hexachlorobutadiene	260.76	ND		2.1	0.81
91-20-3	Naphthalene	128.17	ND		2.6	0.89

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D
 Lims ID: 200-52685-A-3
 Client ID: SS-SV-06-021420
 Sample Type: Client
 Inject. Date: 21-Feb-2020 03:40:30 ALS Bottle#: 20 Worklist Smp#: 20
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0040108-020
 Misc. Info.: 52685-3
 Operator ID: ggg Instrument ID: CHC.i
 Method: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Feb-2020 08:11:32 Calib Date: 19-Feb-2020 02:47:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0326

First Level Reviewer: bunmaa

Date: 21-Feb-2020 16:44:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	2.999	3.008	-0.011	98	16283	0.3729	
3 Chlorodifluoromethane	51	3.042	3.051	-0.011	98	42001	1.28	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.255				ND	MU
5 Chloromethane	50	3.362	3.371	-0.011	97	8260	0.4789	
6 Butane	43	3.560	3.568	-0.010	97	44240	1.38	
7 Vinyl chloride	62		3.602				ND	
8 Butadiene	54	3.667	3.675	-0.011	96	2161	0.1444	
10 Bromomethane	94		4.307				ND	
11 Chloroethane	64		4.531				ND	
13 Vinyl bromide	106		4.910				ND	
14 Trichlorofluoromethane	101	5.011	5.019	-0.011	97	7836	0.1968	
20 1,1,2-Trichloro-1,2,2-trif	101	6.073	6.081	-0.011	78	1699	0.0540	M
21 1,1-Dichloroethene	96		6.100				ND	
22 Acetone	43	6.308	6.316	-0.011	100	231400	6.93	
23 Carbon disulfide	76	6.458	6.470	-0.016	55	1265	0.0271	M
24 Isopropyl alcohol	45	6.666	6.662	0.000	100	208819	5.54	
25 3-Chloro-1-propene	41		6.869				ND	
27 Methylene Chloride	49	7.146	7.148	-0.005	93	4136	0.1707	
28 2-Methyl-2-propanol	59	7.450	7.430	0.016	97	10645	0.2791	
29 Methyl tert-butyl ether	73		7.600				ND	
31 trans-1,2-Dichloroethene	61	7.605	7.610	-0.005	1	508	0.0177	
33 Hexane	57	8.021	8.022	-0.006	80	4797	0.1613	
34 1,1-Dichloroethane	63		8.454				ND	MU
37 cis-1,2-Dichloroethene	96		9.553				ND	
38 2-Butanone (MEK)	72	9.606	9.596	0.005	97	13928	1.48	
* 40 Chlorobromomethane	128	9.991	9.996	-0.005	93	246511	20.0	
41 Tetrahydrofuran	42	10.065	10.040	0.021	76	2956	0.0897	7M
42 Chloroform	83	10.140	10.145	-0.011	94	2111	0.0516	
S 30 1,2-Dichloroethene, Total	61		10.200				ND	
43 Cyclohexane	84	10.412	10.413	-0.006	80	5054	0.1953	
44 1,1,1-Trichloroethane	97	10.418	10.413	0.000	94	9524	0.2194	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Carbon tetrachloride	117	10.679	10.680	-0.005	72	2224	0.0530	
47 Benzene	78	11.122	11.117	0.000	98	11478	0.1786	M
46 Isooctane	57	11.144	11.144	-0.005	90	5621	0.0464	M
48 1,2-Dichloroethane	62		11.282				ND	
49 n-Heptane	43	11.549	11.549	-0.005	95	8275	0.1384	M
* 50 1,4-Difluorobenzene	114	11.965	11.971	-0.006	98	1342614	20.0	
53 Trichloroethene	95	12.435	12.435	-0.005	28	633	0.0235	
54 1,2-Dichloropropane	63		12.958				ND	
55 Methyl methacrylate	69		13.182				ND	
56 1,4-Dioxane	88		13.230				ND	
58 Dichlorobromomethane	83		13.540				ND	
60 cis-1,3-Dichloropropene	75		14.495				ND	
61 4-Methyl-2-pentanone (MIBK)	43		14.799				ND	
65 Toluene	92	15.098	15.094	0.000	91	23228	0.5037	
66 trans-1,3-Dichloropropene	75		15.696				ND	U
67 1,1,2-Trichloroethane	83		16.064				ND	
68 Tetrachloroethene	166	16.219	16.209	0.006	77	1248	0.0375	M
69 2-Hexanone	43		16.539				ND	MU
71 Chlorodibromomethane	129		16.833				ND	
72 Ethylene Dibromide	107		17.083				ND	
* 74 Chlorobenzene-d5	117	18.001	18.007	-0.006	94	1308347	20.0	
75 Chlorobenzene	112		18.065				ND	
76 Ethylbenzene	91	18.231	18.231	-0.005	98	11209	0.1057	
78 m-Xylene & p-Xylene	106	18.482	18.482	-0.005	0	13311	0.3541	
79 o-Xylene	106	19.320	19.319	-0.005	95	4069	0.1131	
80 Styrene	104	19.373	19.367	0.000	91	2293	0.0397	
81 Bromoform	173		19.800				ND	
82 Isopropylbenzene	105		20.056				ND	MU
S 73 Xylenes, Total	106				0		0.4672	
84 1,1,2,2-Tetrachloroethane	83		20.739				ND	
85 N-Propylbenzene	91		20.830				ND	MU
89 2-Chlorotoluene	91		21.027				ND	U
88 4-Ethyltoluene	105	21.022	21.021	-0.005	1	924	0.008107	7Ma
90 1,3,5-Trimethylbenzene	105		21.145				ND	MU
92 tert-Butylbenzene	119		21.652				ND	
93 1,2,4-Trimethylbenzene	105	21.748	21.747	-0.005	85	3237	0.0345	
94 sec-Butylbenzene	105		21.993				ND	U
95 4-Isopropyltoluene	119	22.202	22.200	-0.005	91	1592	0.0140	Ma
96 1,3-Dichlorobenzene	146		22.217				ND	
97 1,4-Dichlorobenzene	146		22.362				ND	
98 Benzyl chloride	91		22.548				ND	
100 n-Butylbenzene	91		22.783				ND	
101 1,2-Dichlorobenzene	146		22.879				ND	
103 1,2,4-Trichlorobenzene	180		25.254				ND	
104 Hexachlorobutadiene	225		25.457				ND	
105 Naphthalene	128	25.687	25.679	0.001	97	10388	0.0890	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 21-Feb-2020 08:12:15

Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Operator ID: ggg

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Worklist Smp#: 20

Client ID: SS-SV-06-021420

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

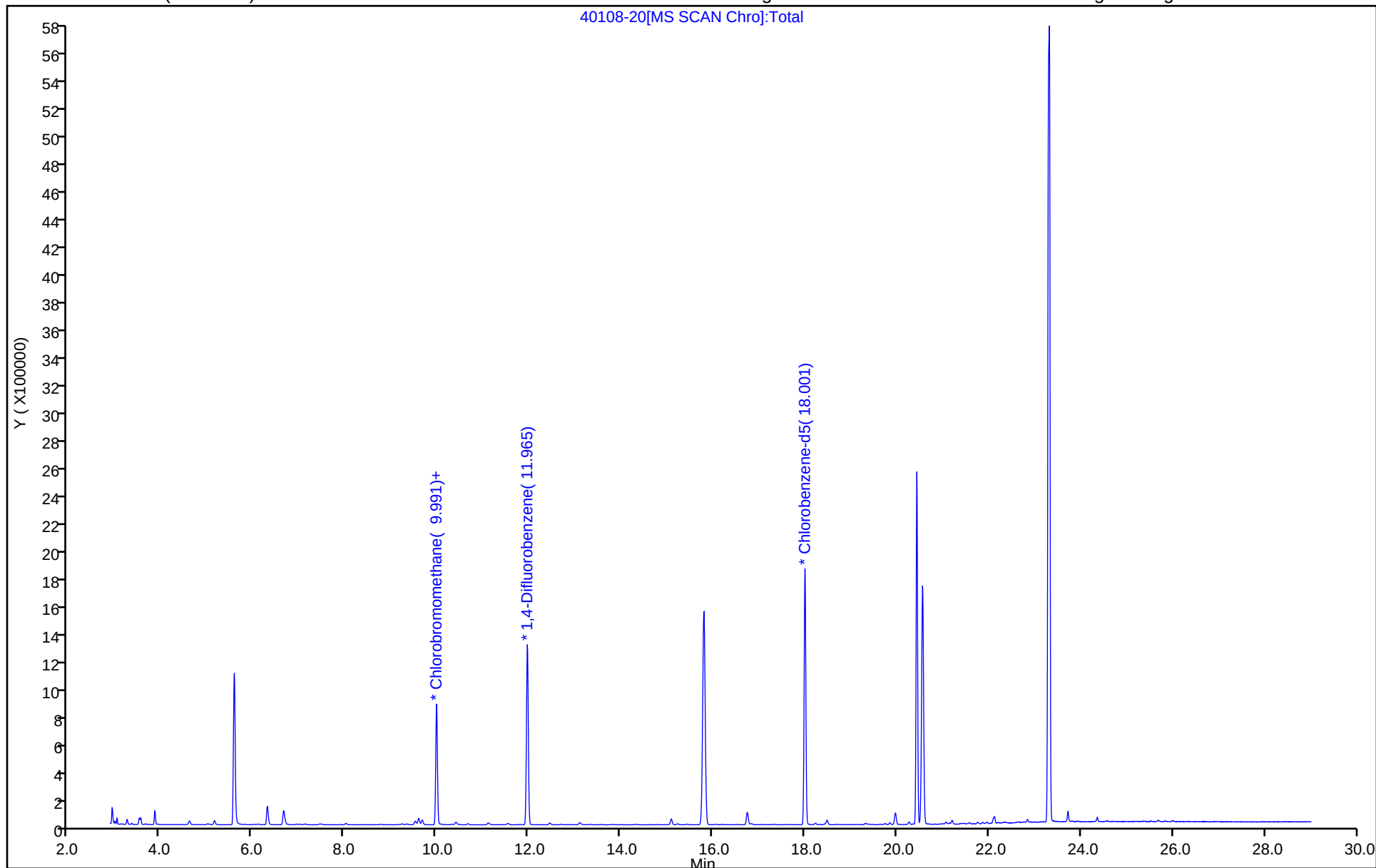
ALS Bottle#: 20

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 200.000 mL

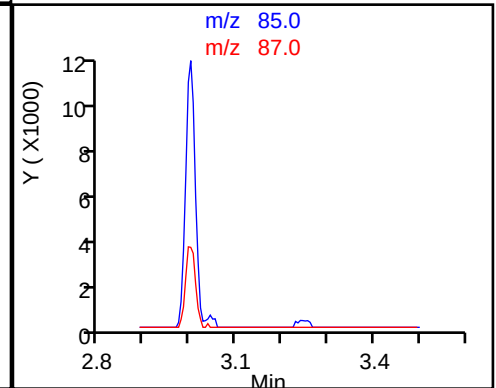
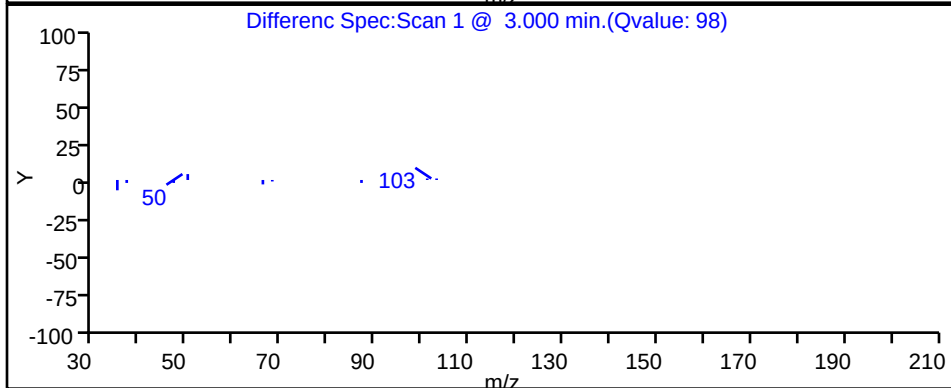
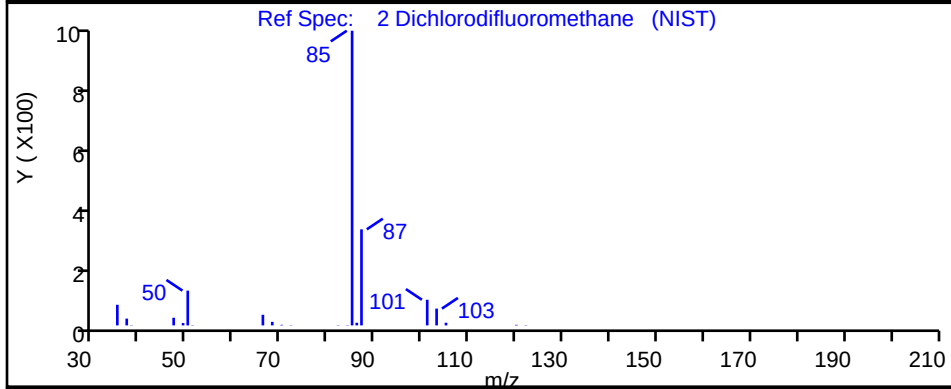
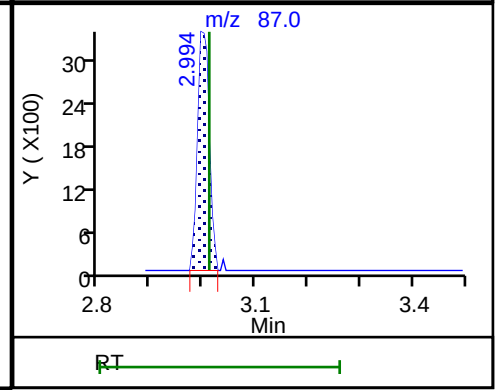
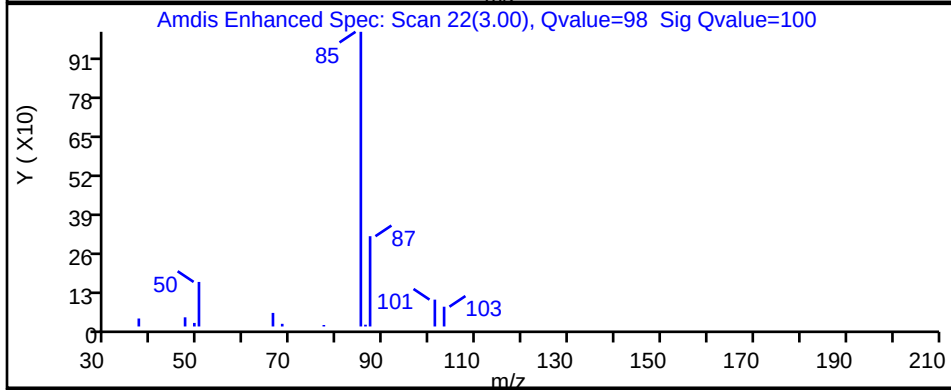
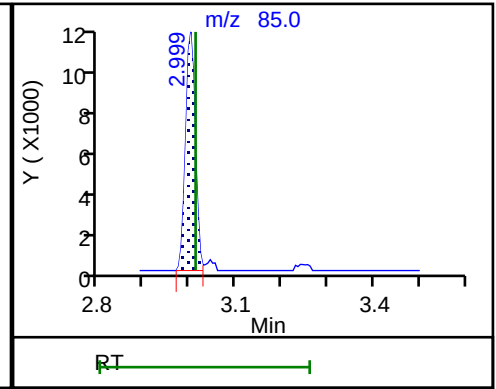
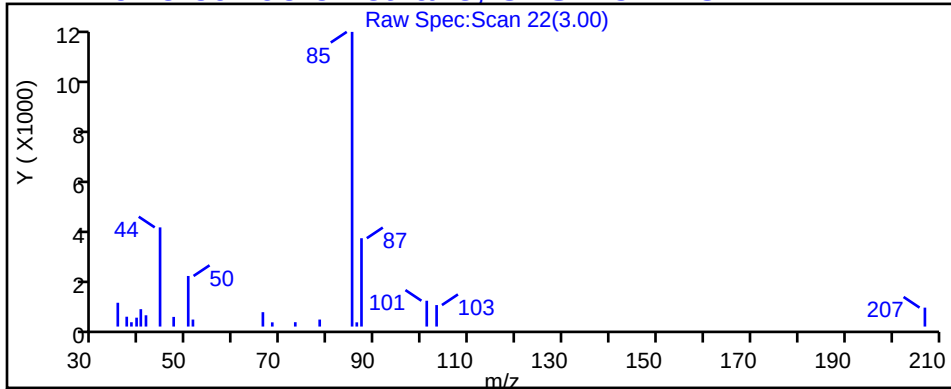
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 200.000 mL

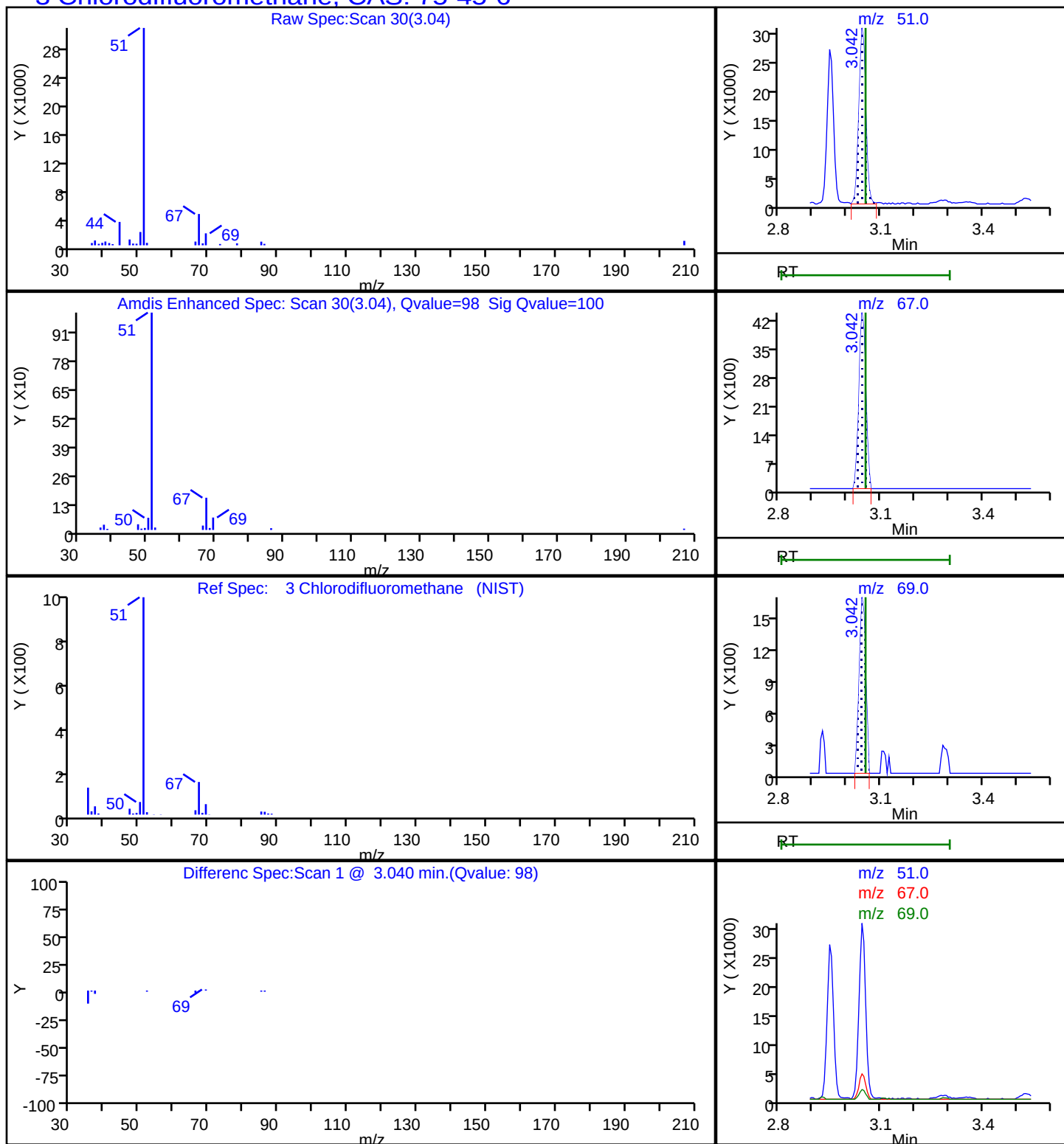
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

3 Chlorodifluoromethane, CAS: 75-45-6

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 200.000 mL

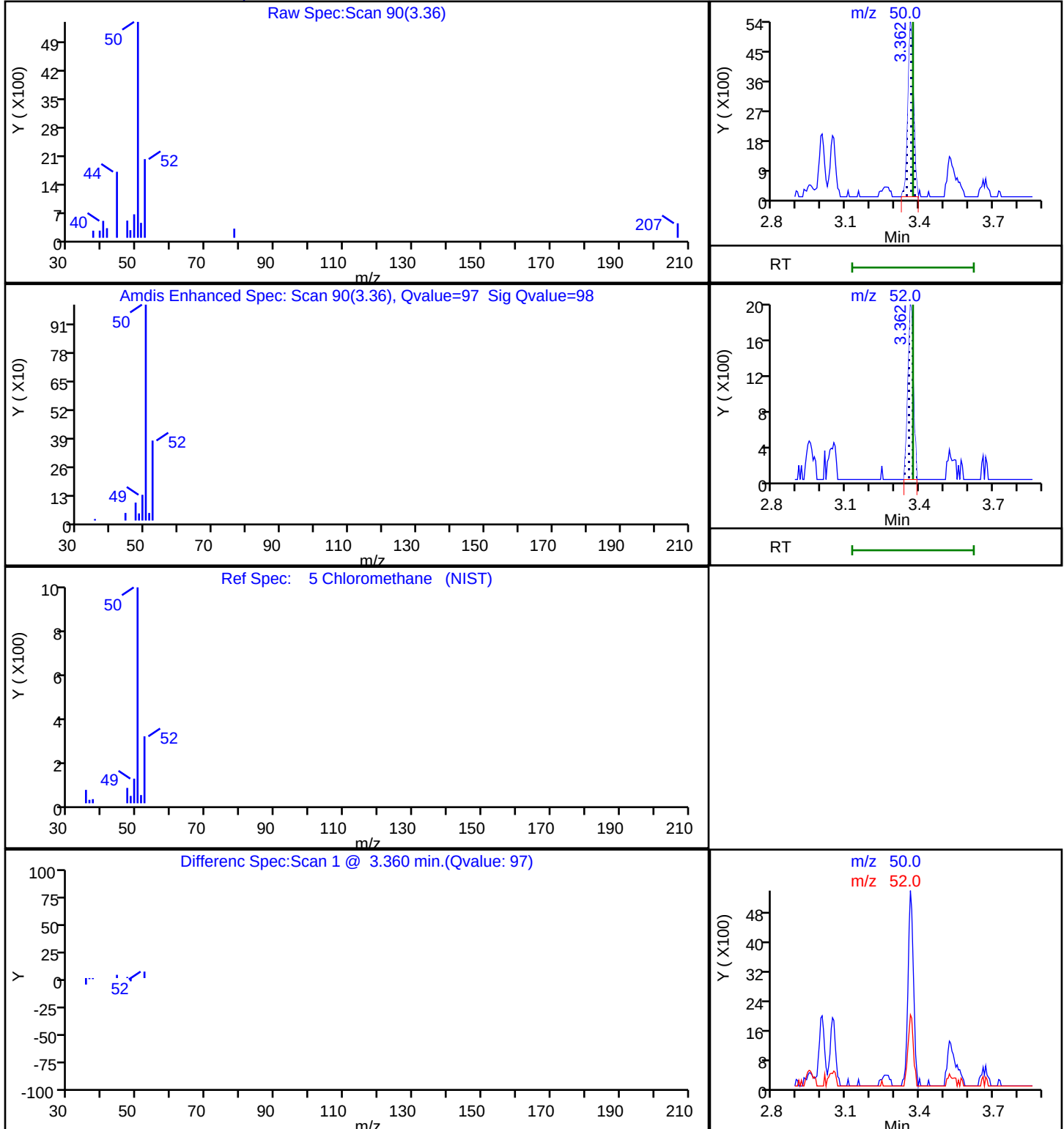
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

5 Chloromethane, CAS: 74-87-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 200.000 mL

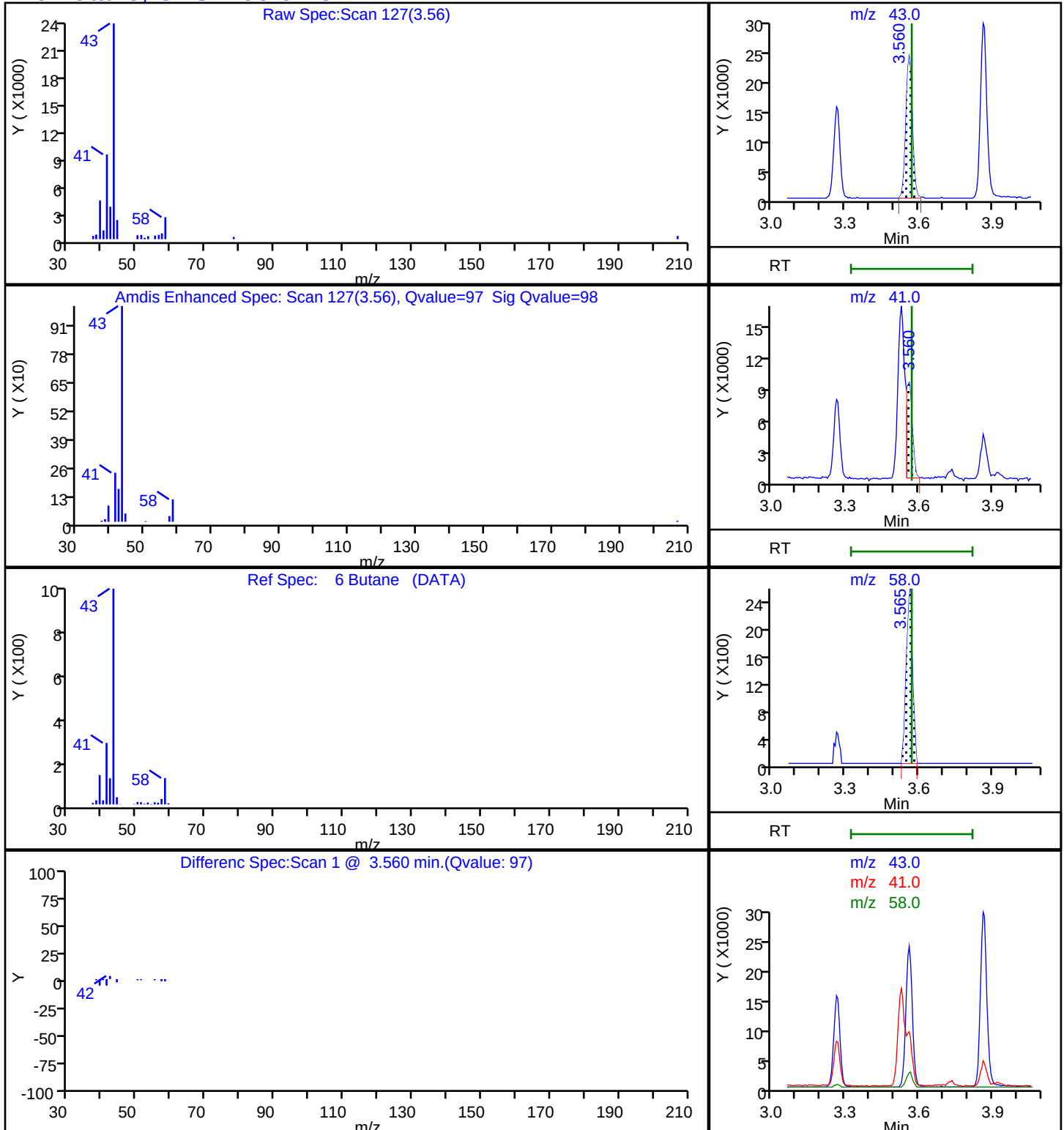
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

6 Butane, CAS: 106-97-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 200.000 mL

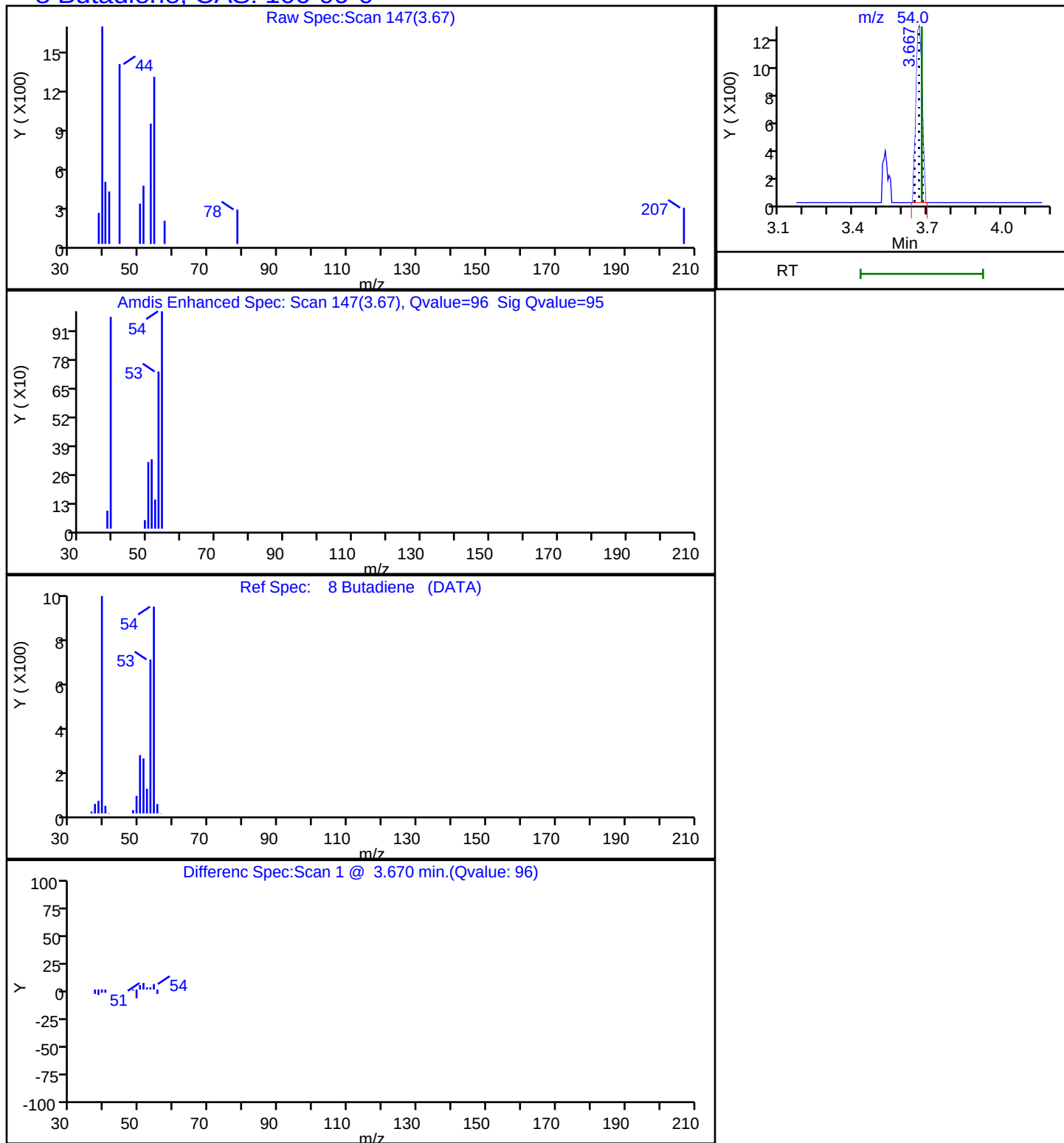
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

8 Butadiene, CAS: 106-99-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 200.000 mL

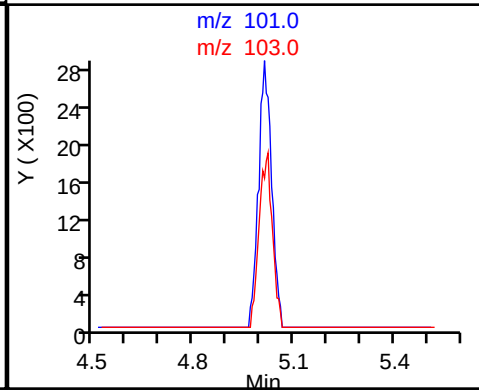
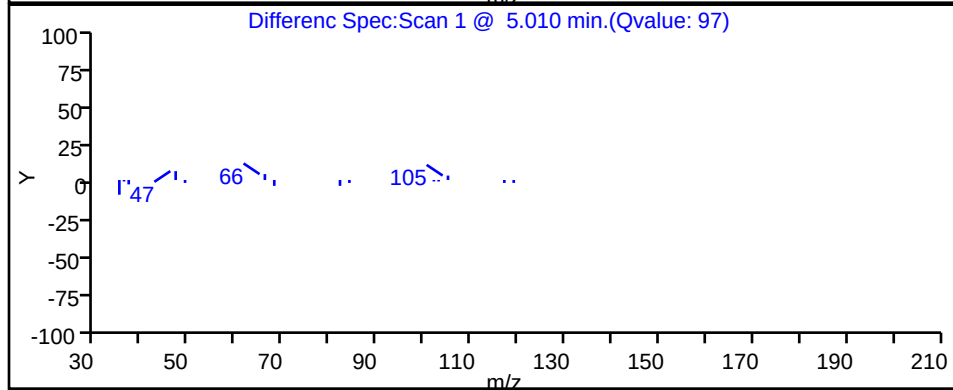
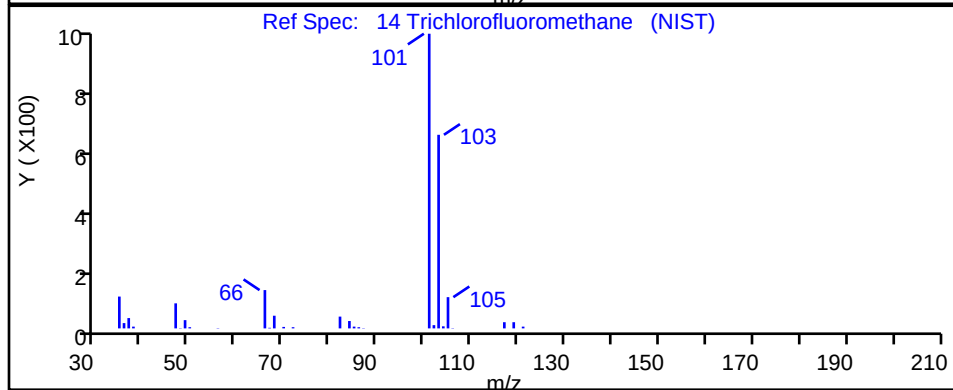
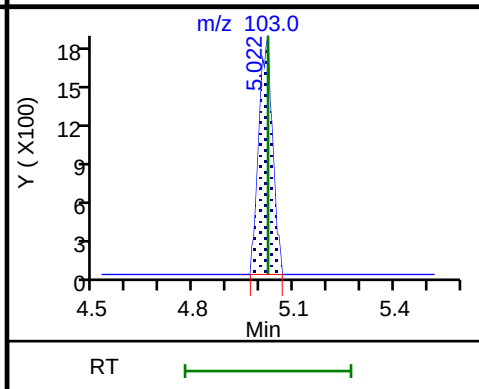
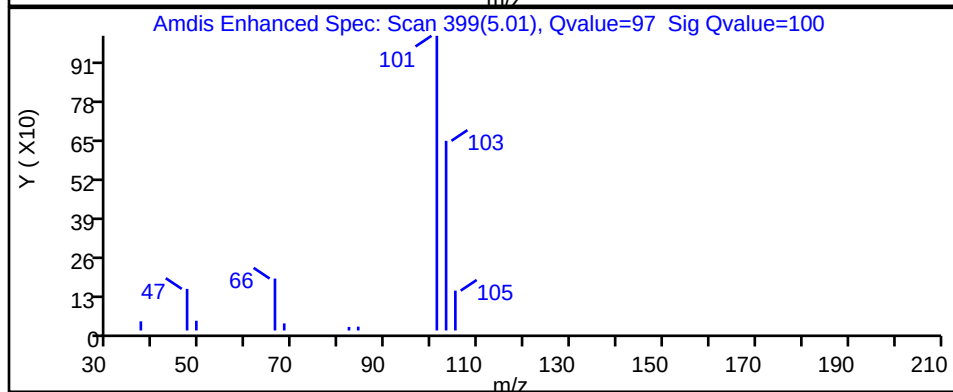
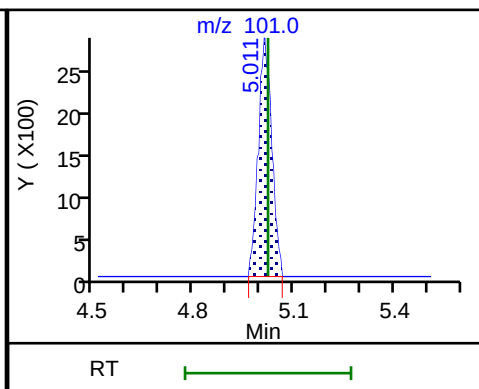
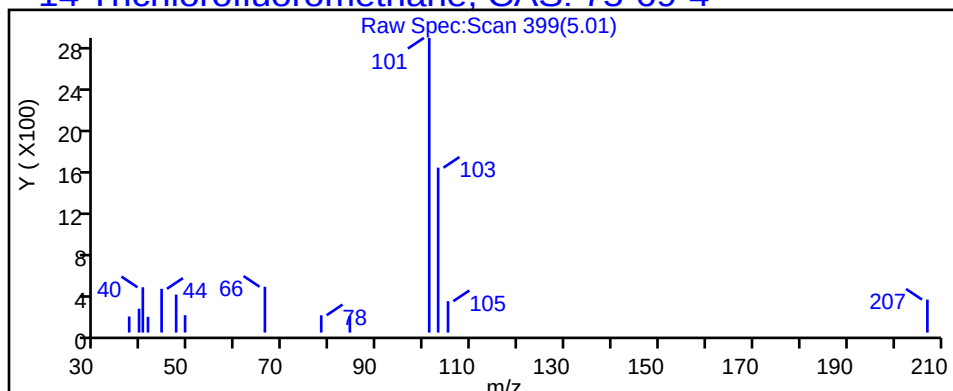
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

14 Trichlorofluoromethane, CAS: 75-69-4

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 200.000 mL

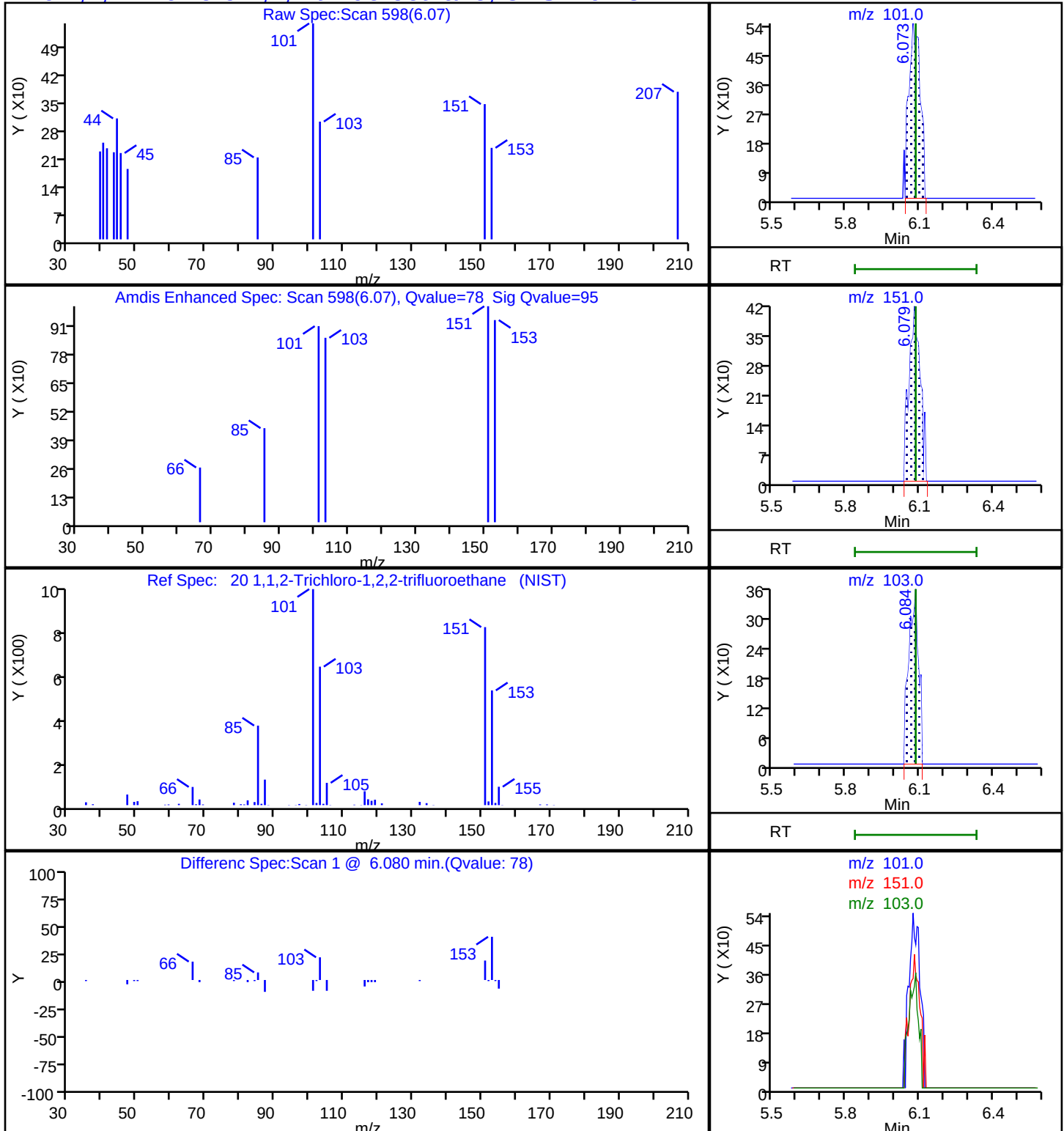
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 200.000 mL

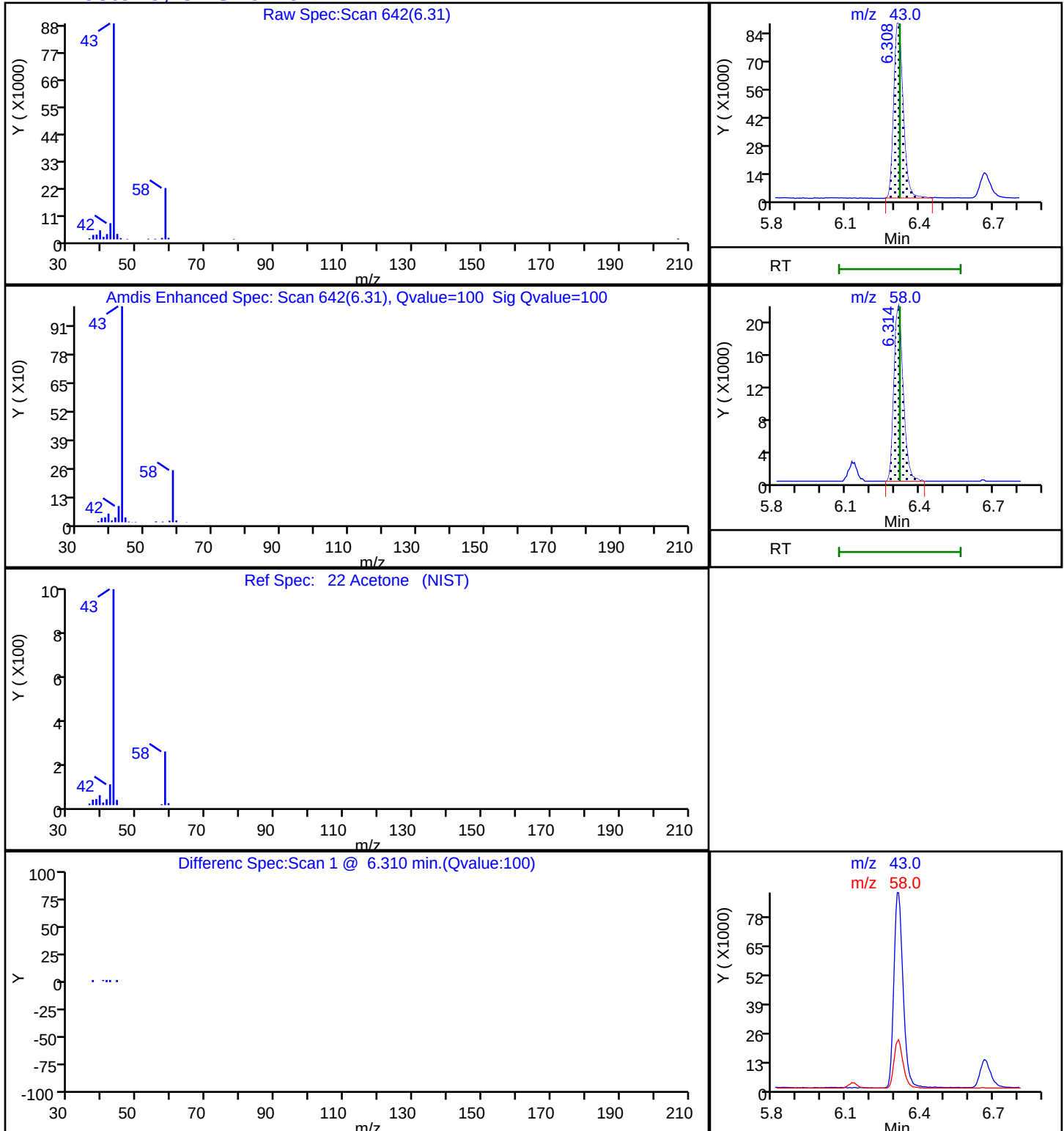
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

22 Acetone, CAS: 67-64-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 200.000 mL

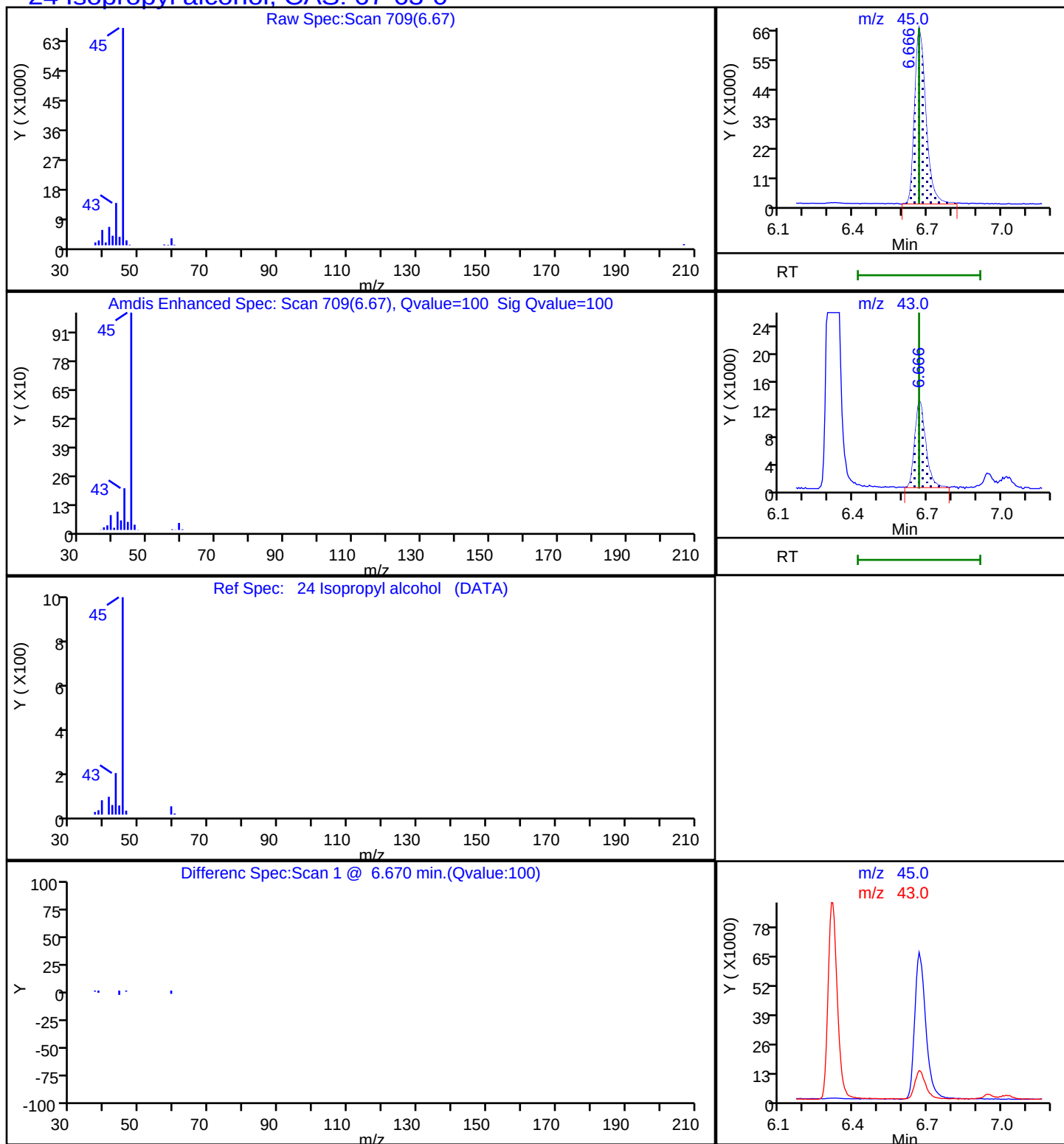
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 200.000 mL

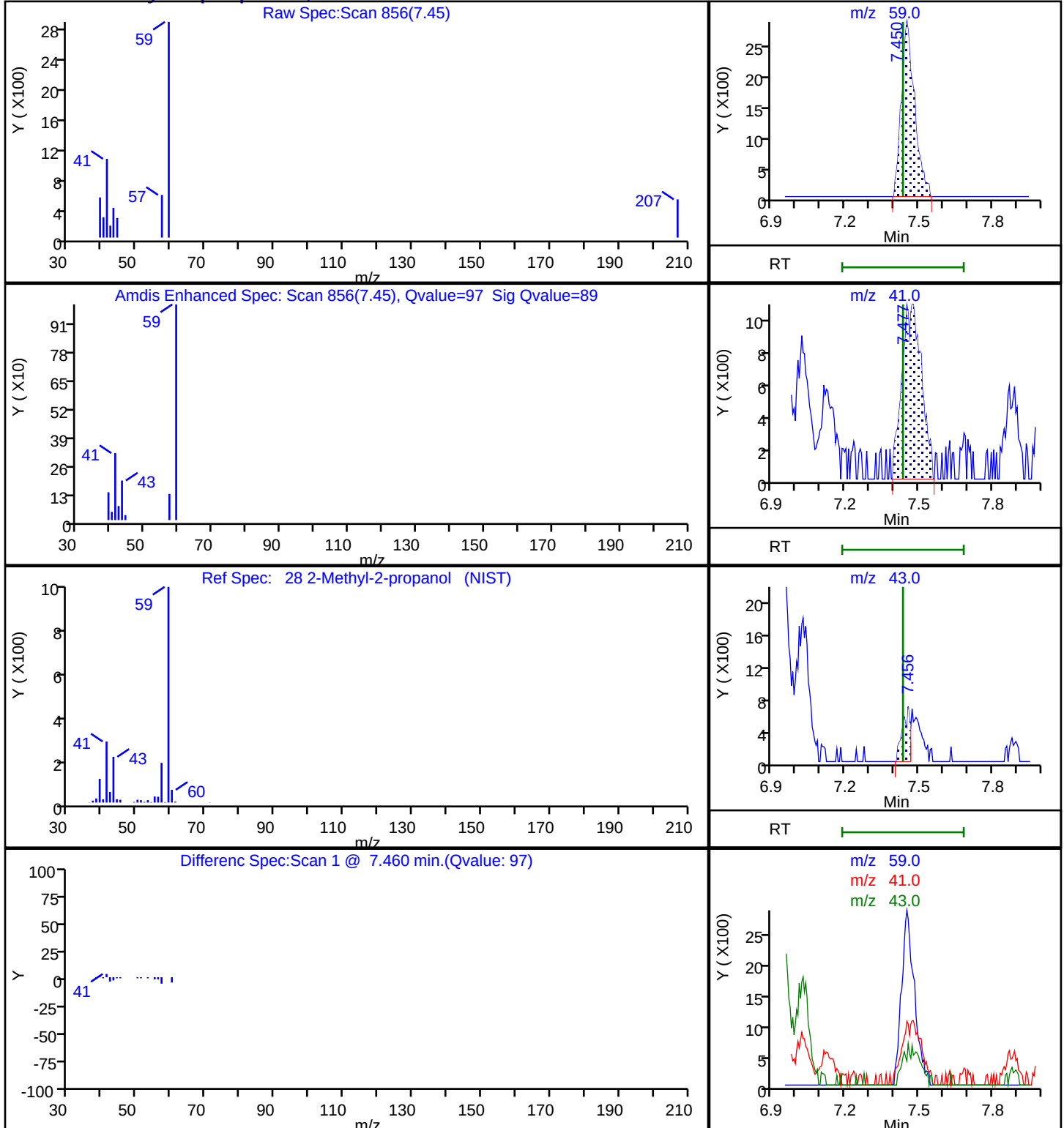
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 200.000 mL

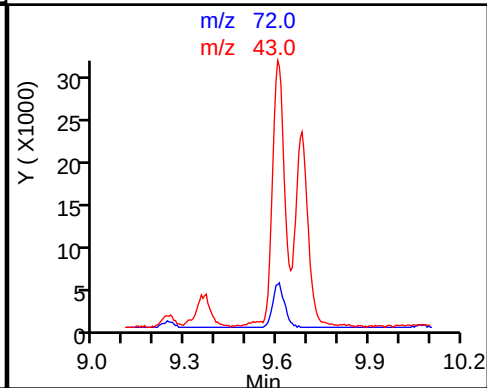
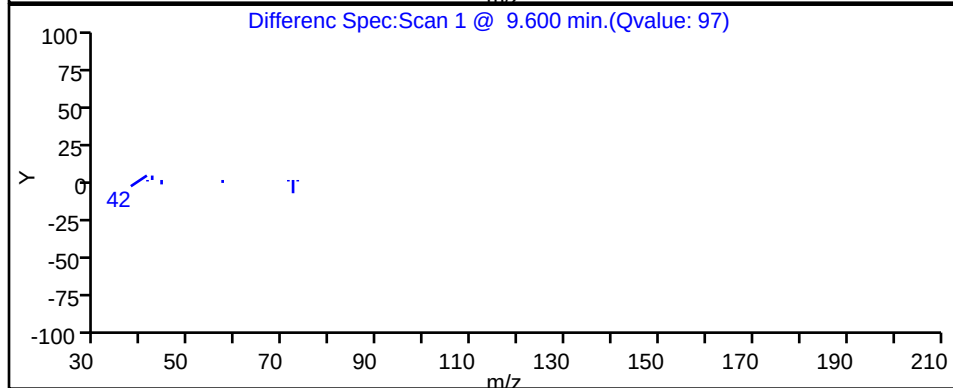
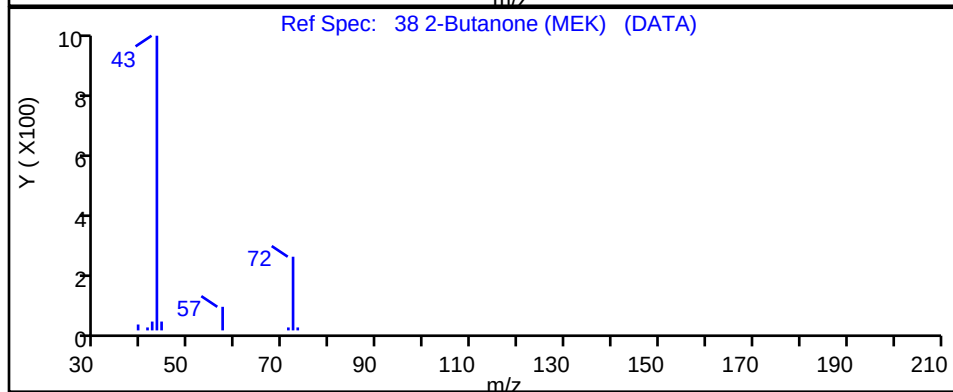
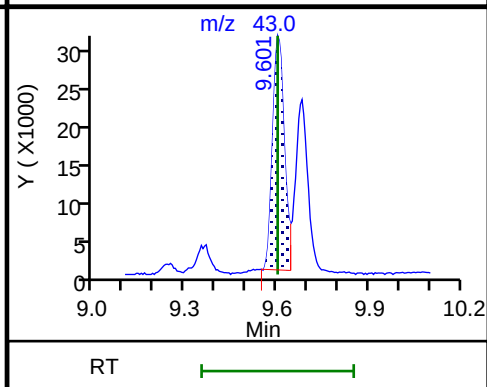
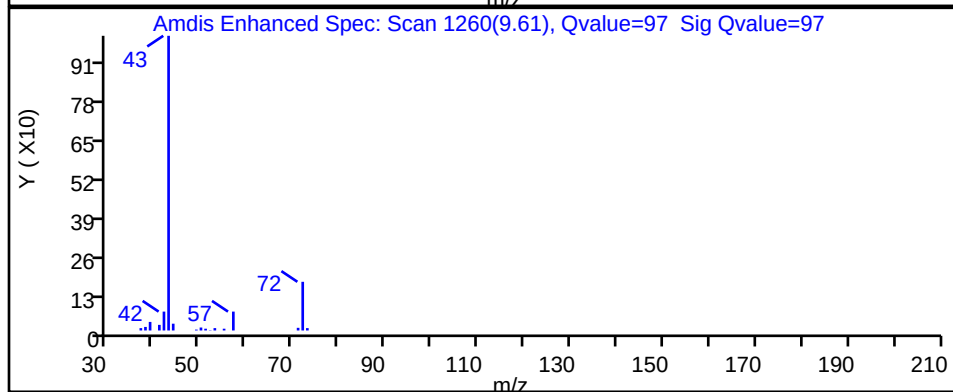
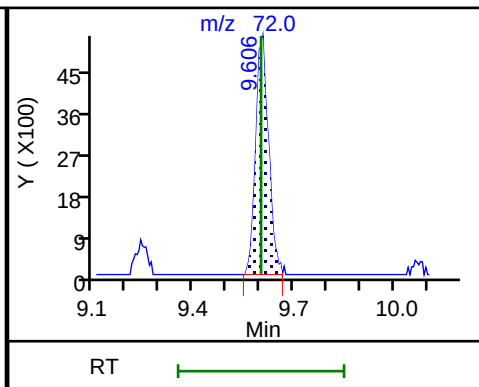
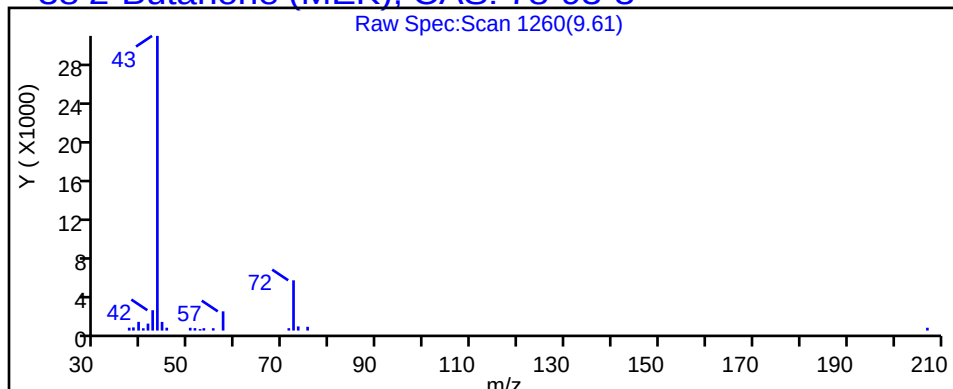
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

38 2-Butanone (MEK), CAS: 78-93-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 200.000 mL

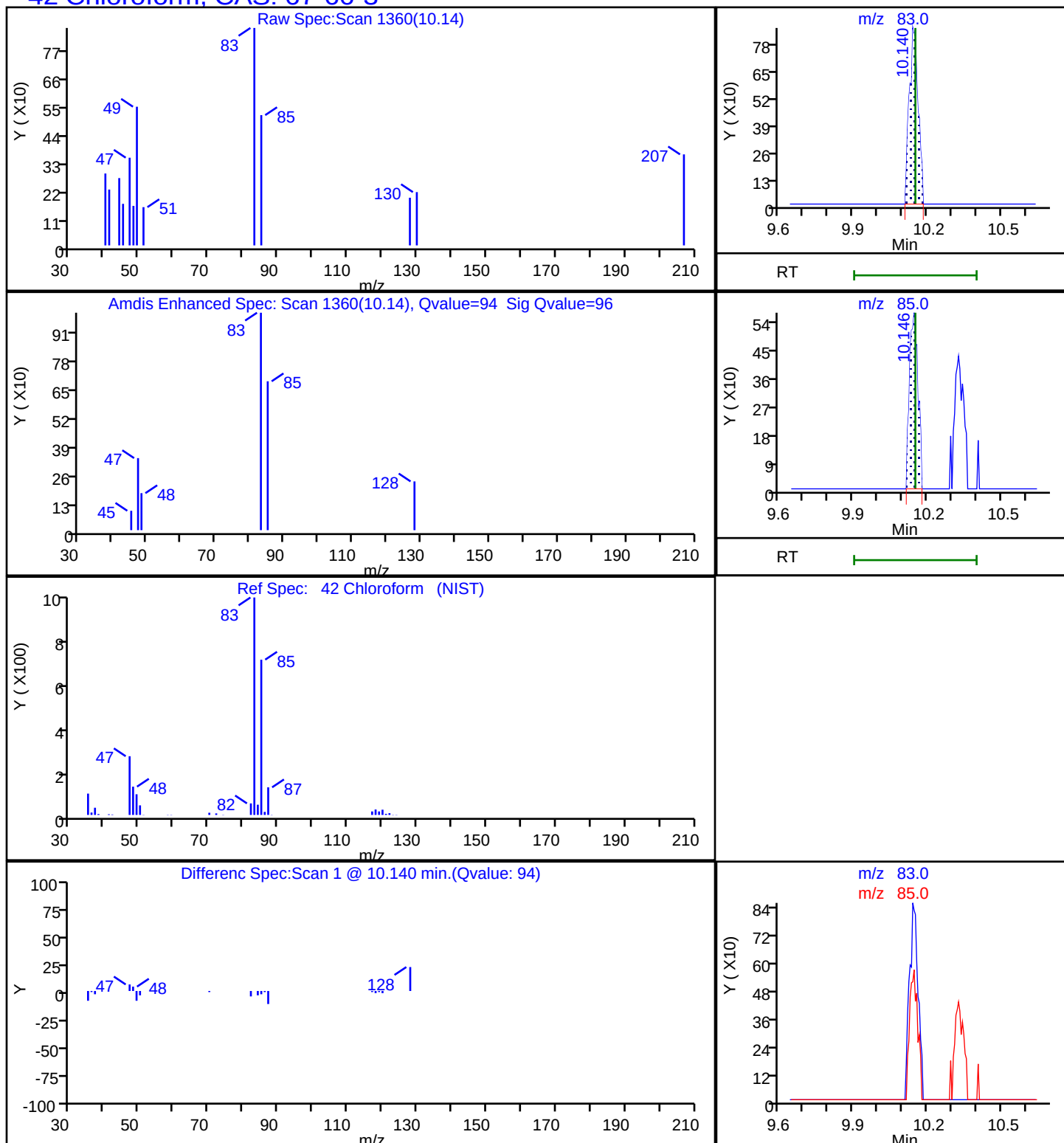
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

42 Chloroform, CAS: 67-66-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 200.000 mL

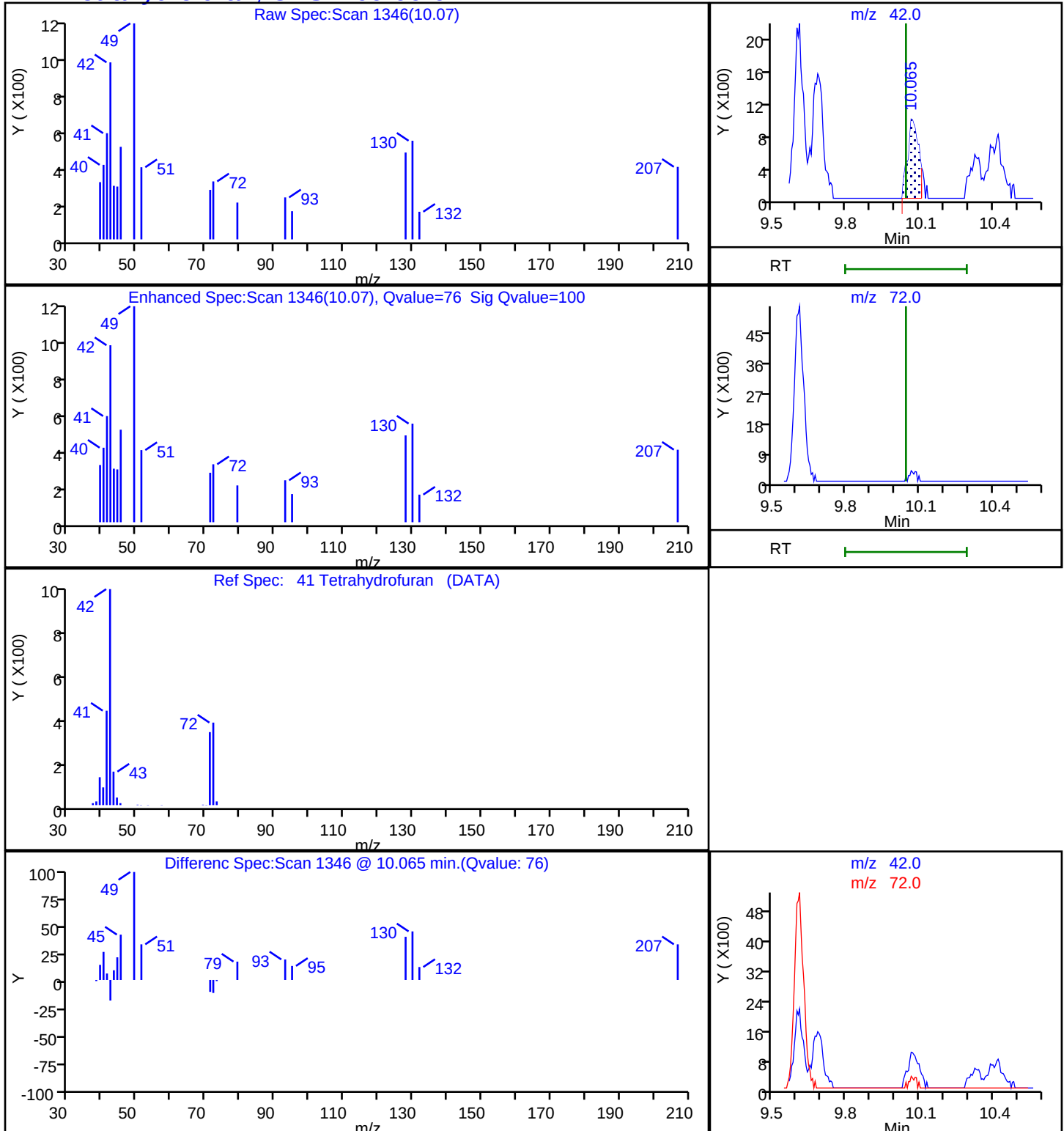
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

41 Tetrahydrofuran, CAS: 109-99-9

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 200.000 mL

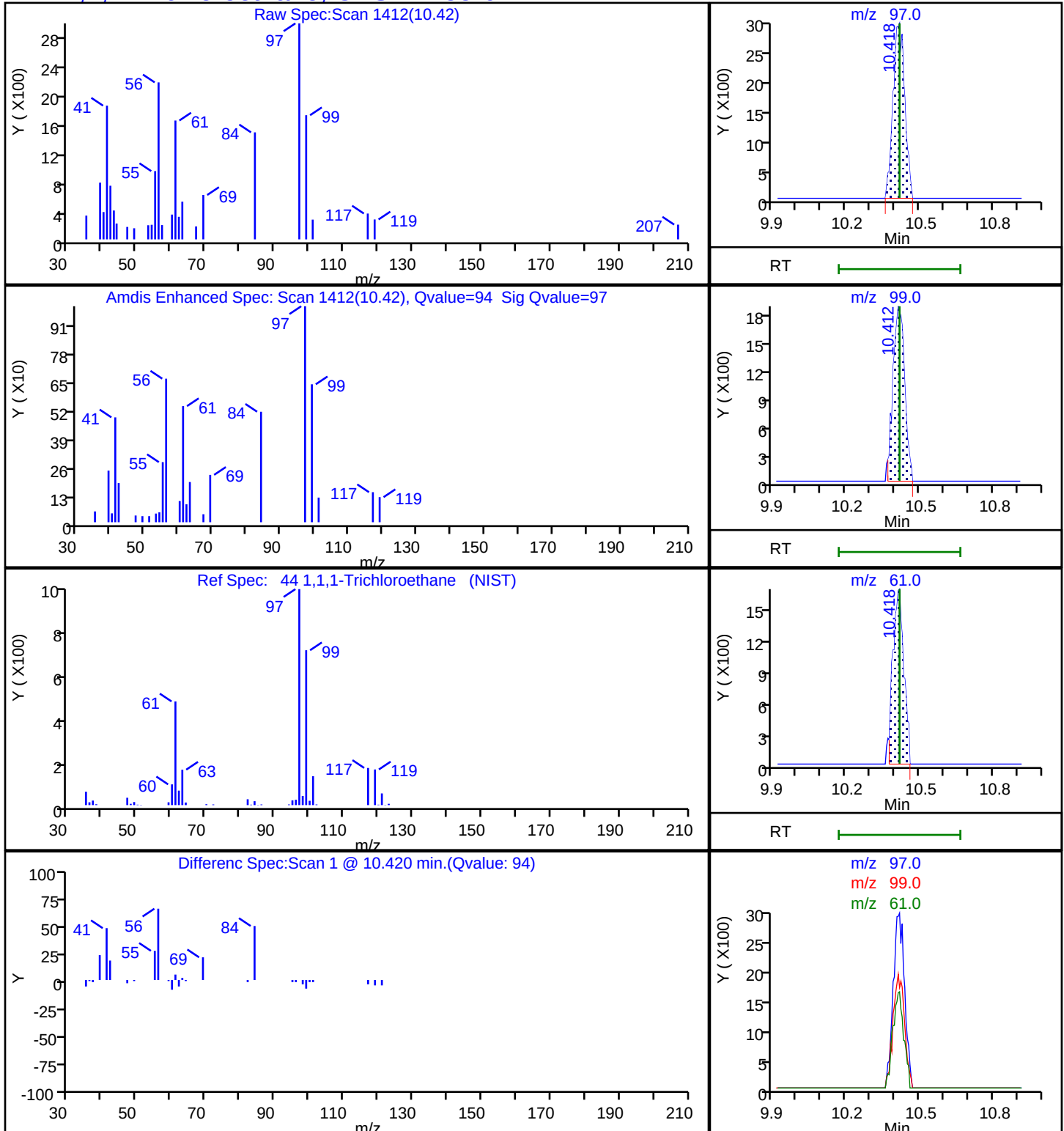
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

44 1,1,1-Trichloroethane, CAS: 71-55-6

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 200.000 mL

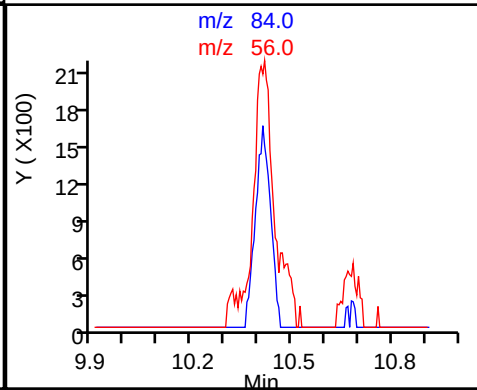
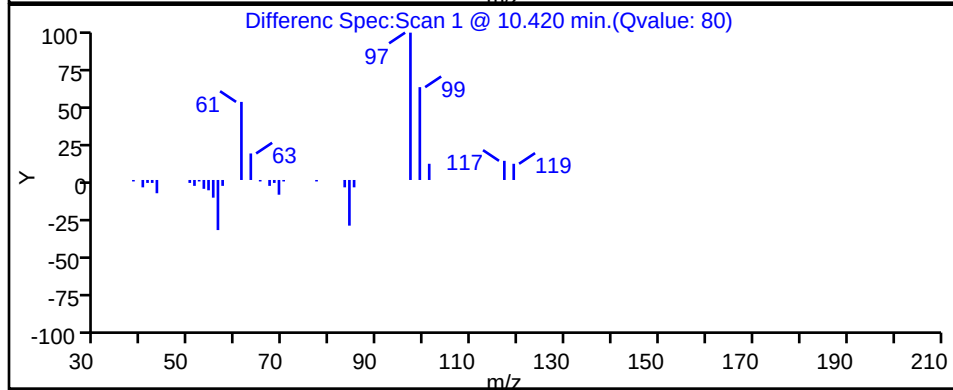
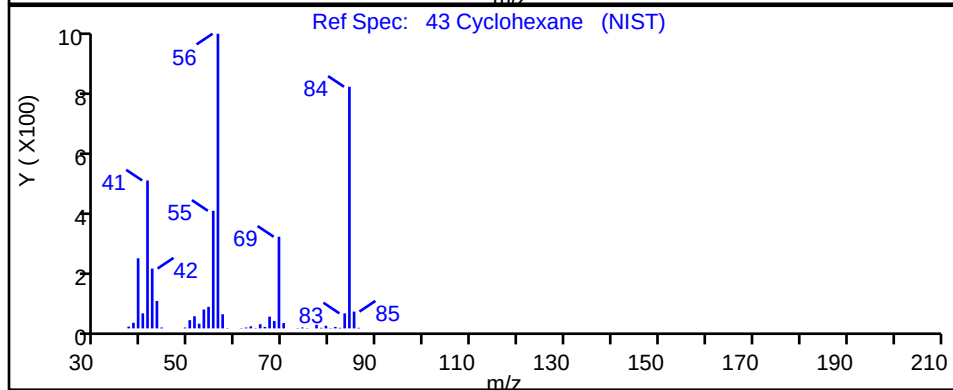
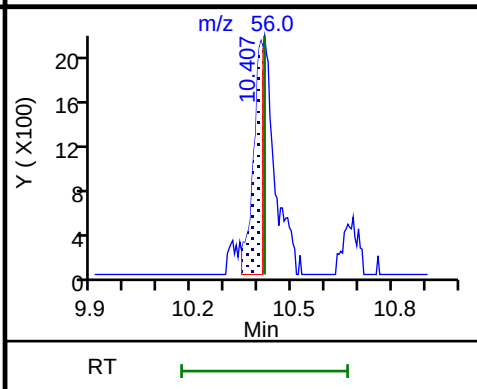
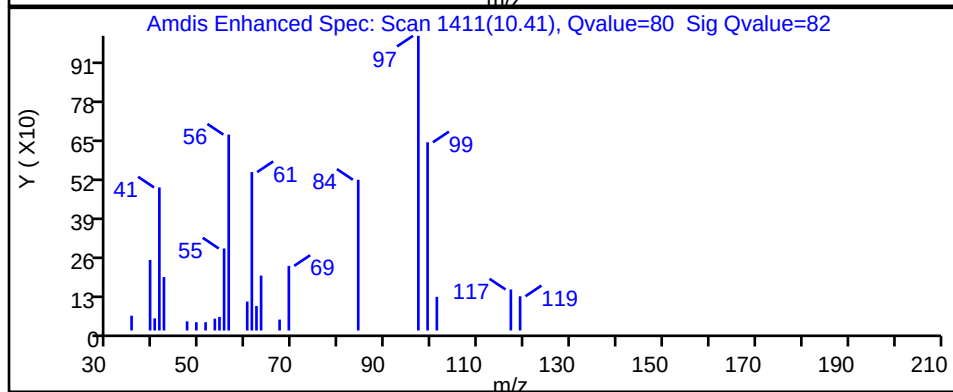
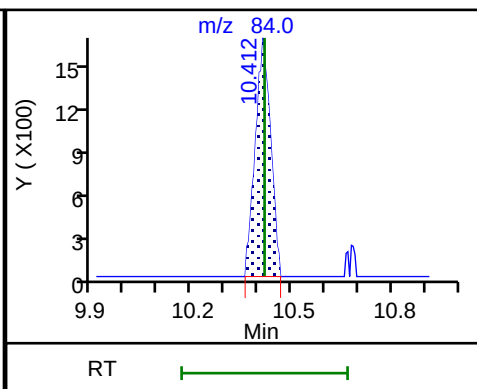
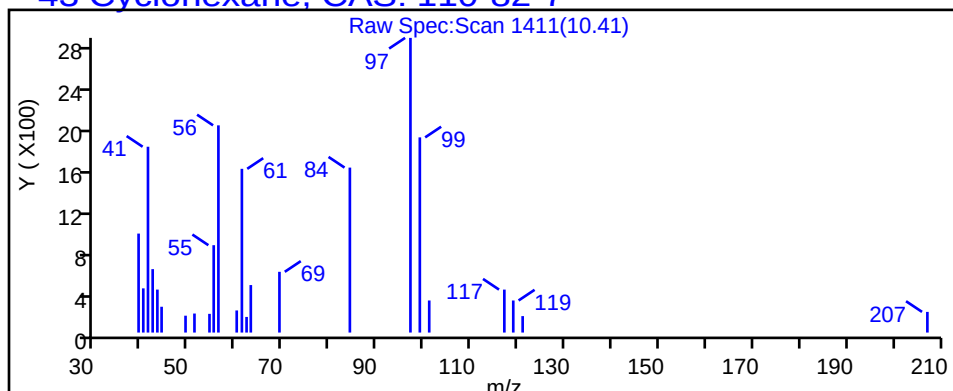
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

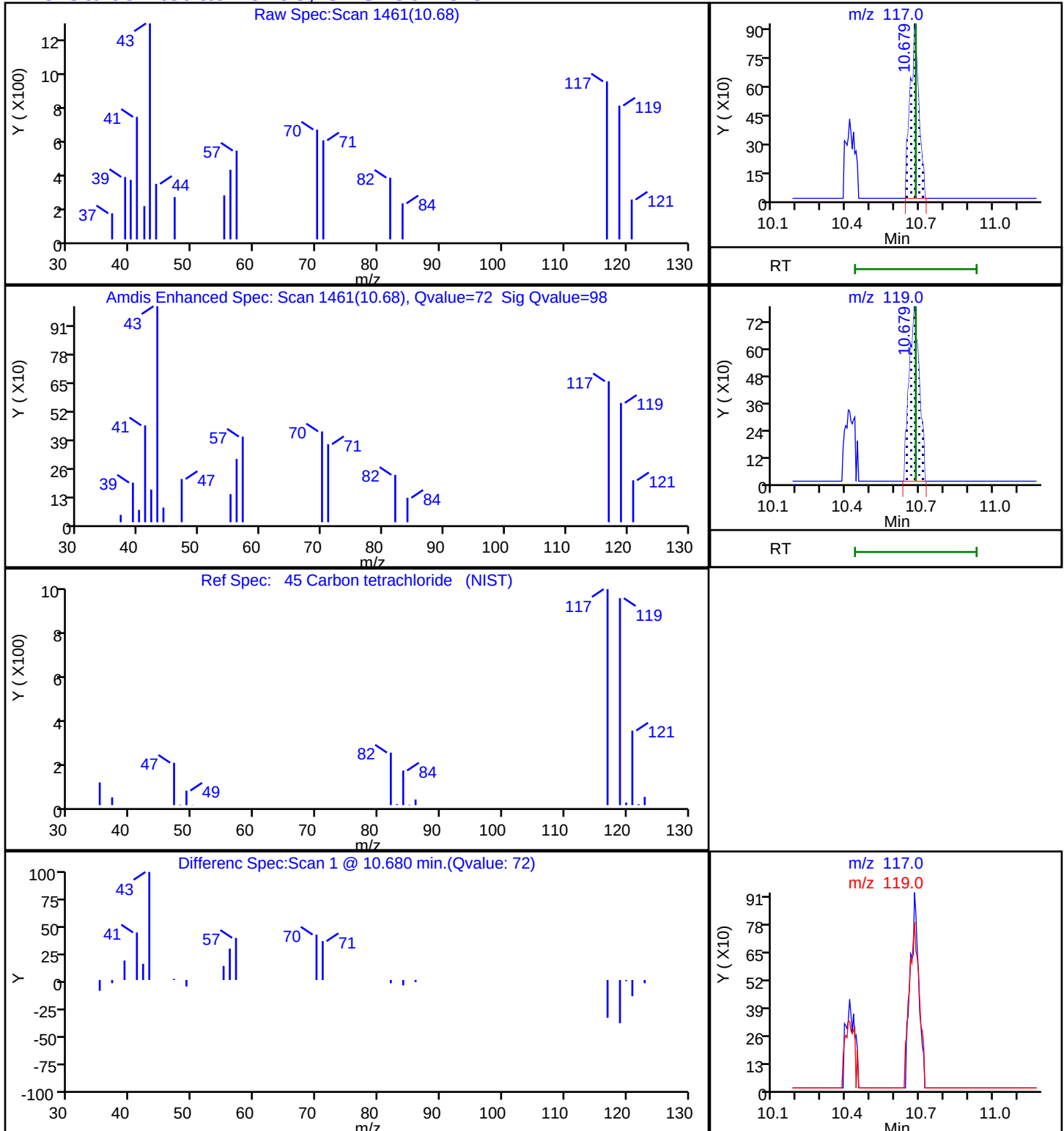
Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

45 Carbon tetrachloride, CAS: 56-23-5



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 200.000 mL

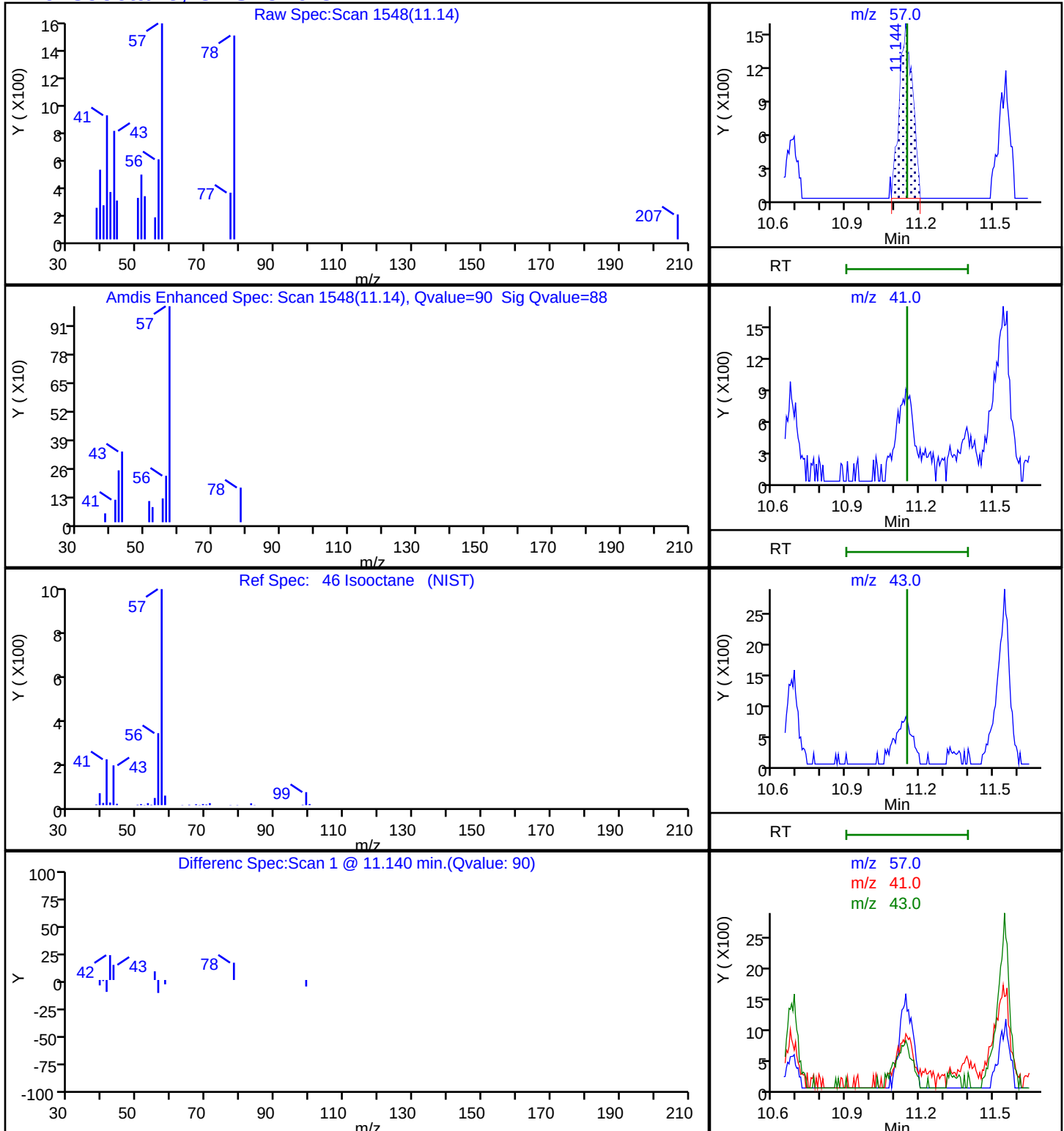
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

46 Isooctane, CAS: 540-84-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 200.000 mL

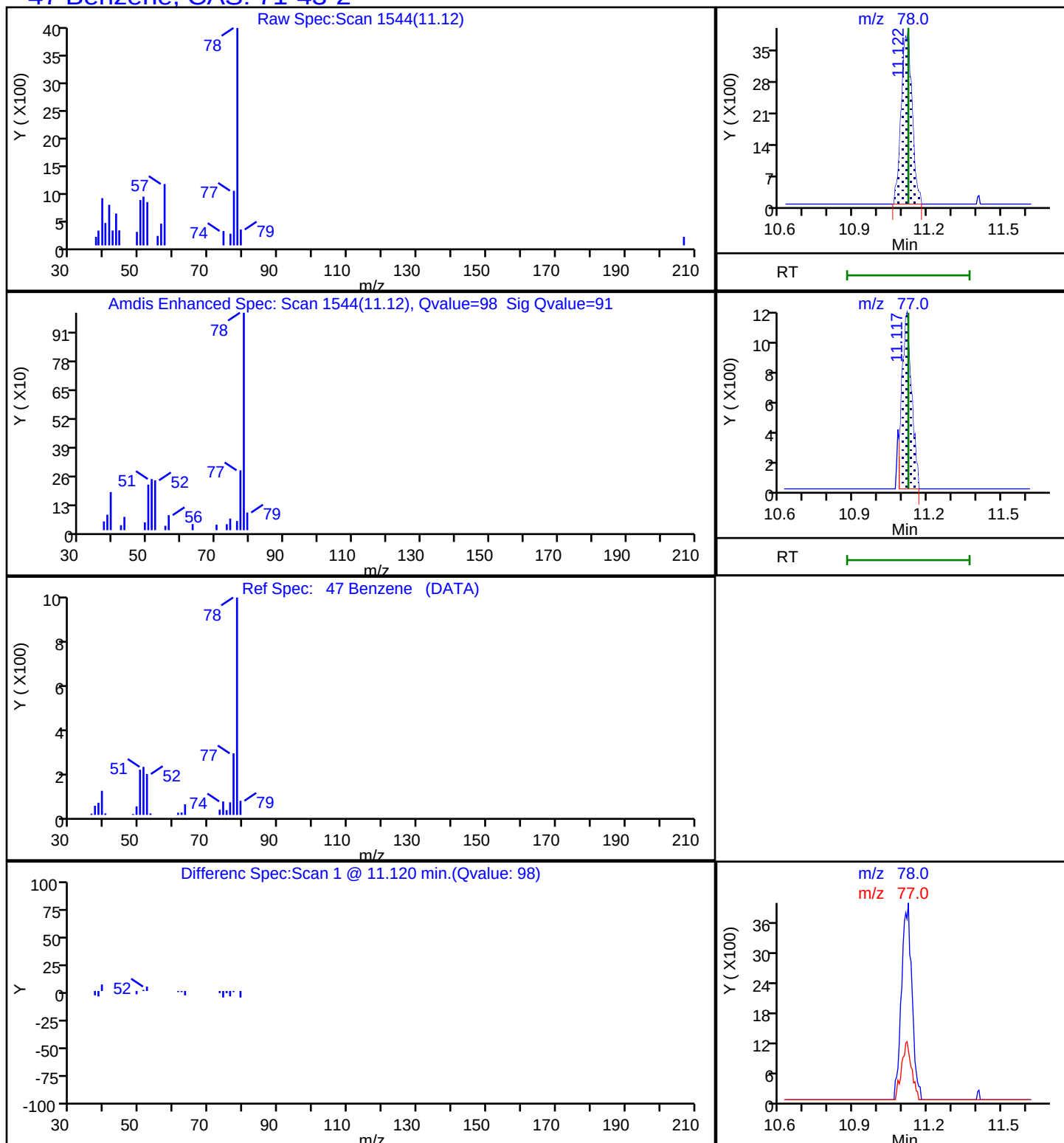
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

47 Benzene, CAS: 71-43-2

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 200.000 mL

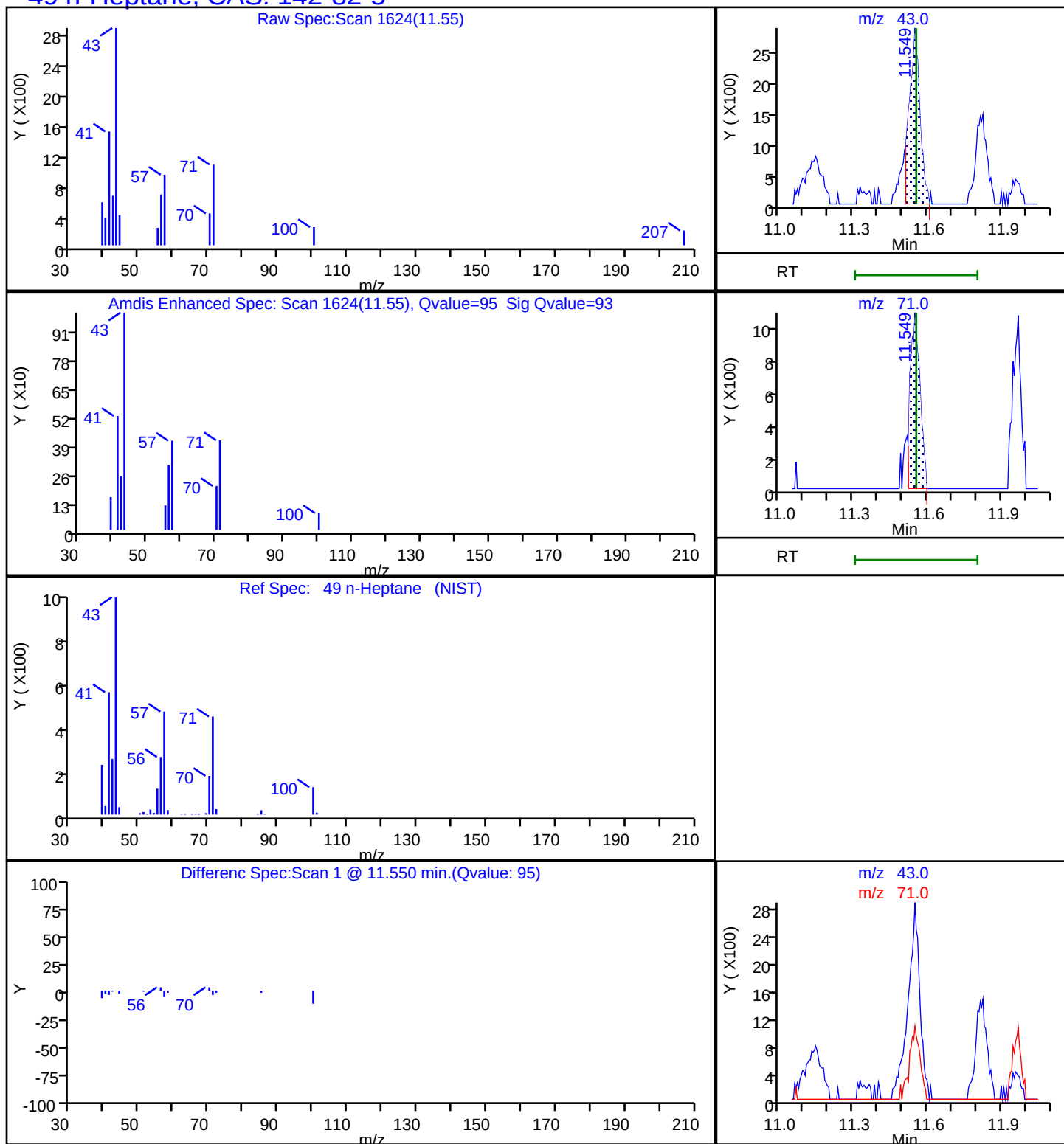
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

49 n-Heptane, CAS: 142-82-5

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 200.000 mL

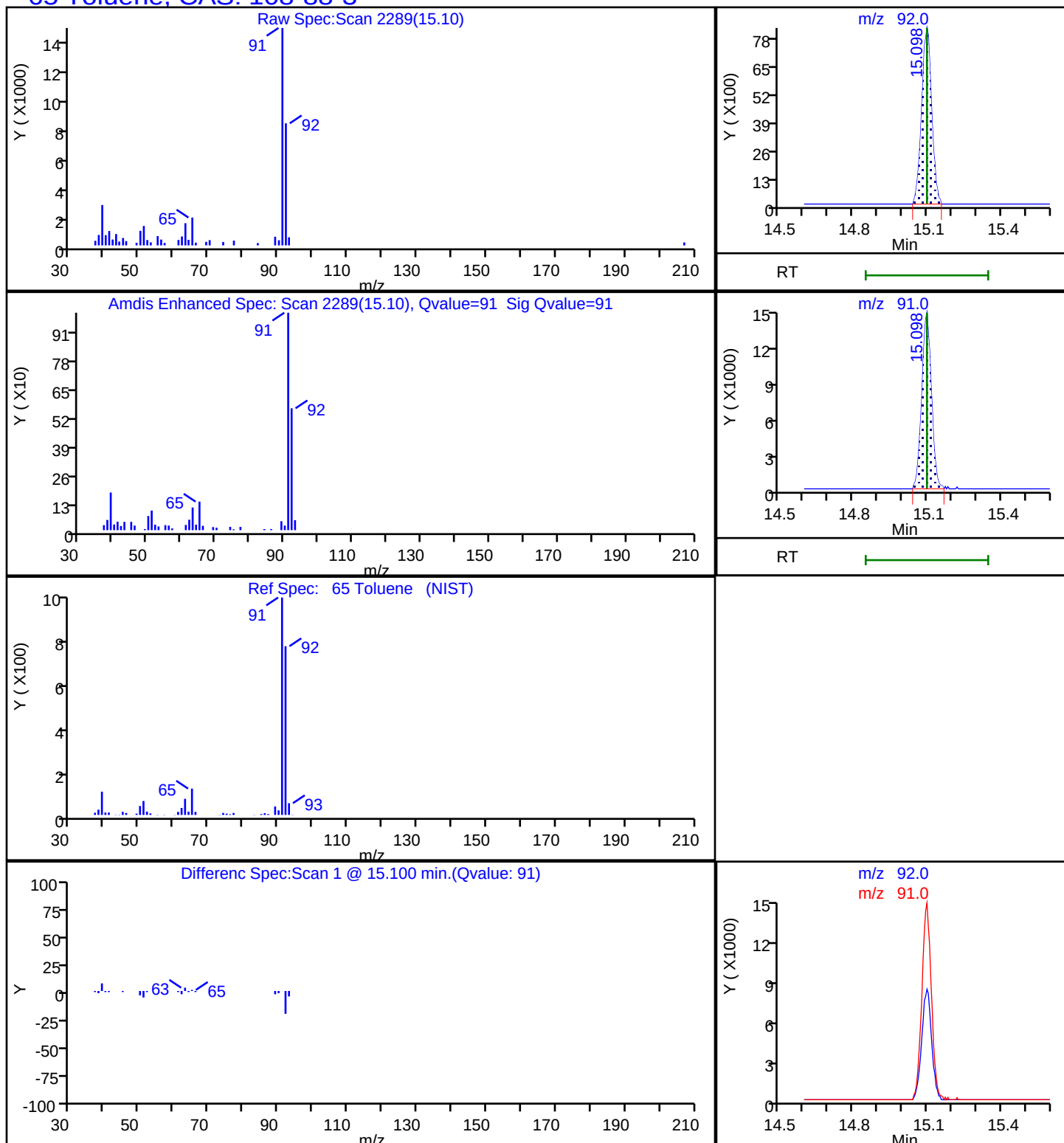
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

65 Toluene, CAS: 108-88-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 200.000 mL

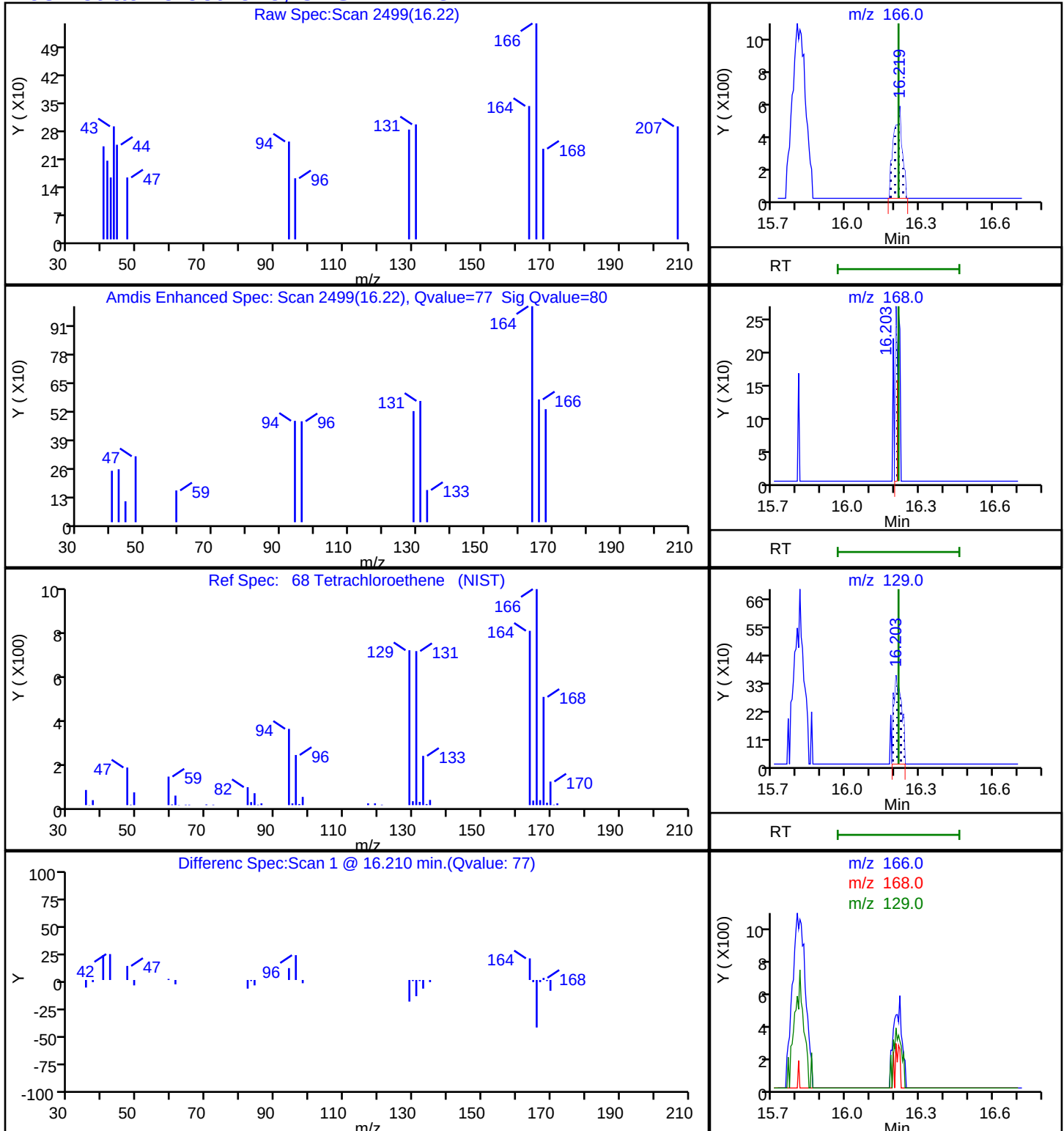
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

68 Tetrachloroethene, CAS: 127-18-4

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 200.000 mL

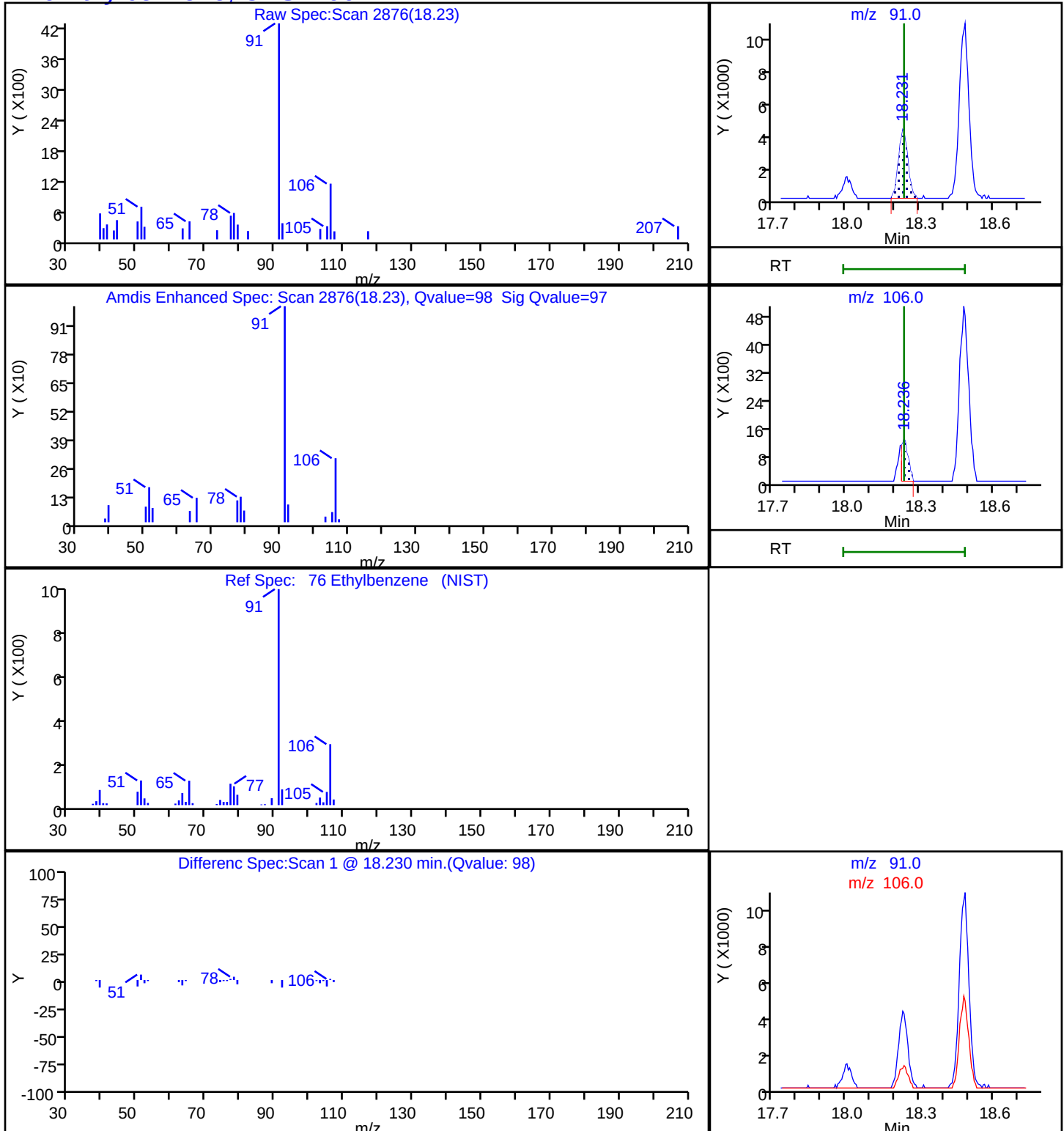
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 Ethylbenzene, CAS: 100-41-4

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 200.000 mL

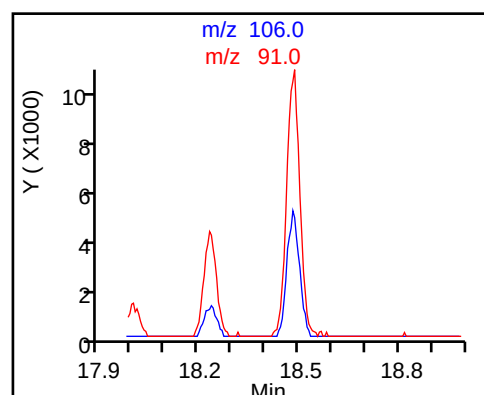
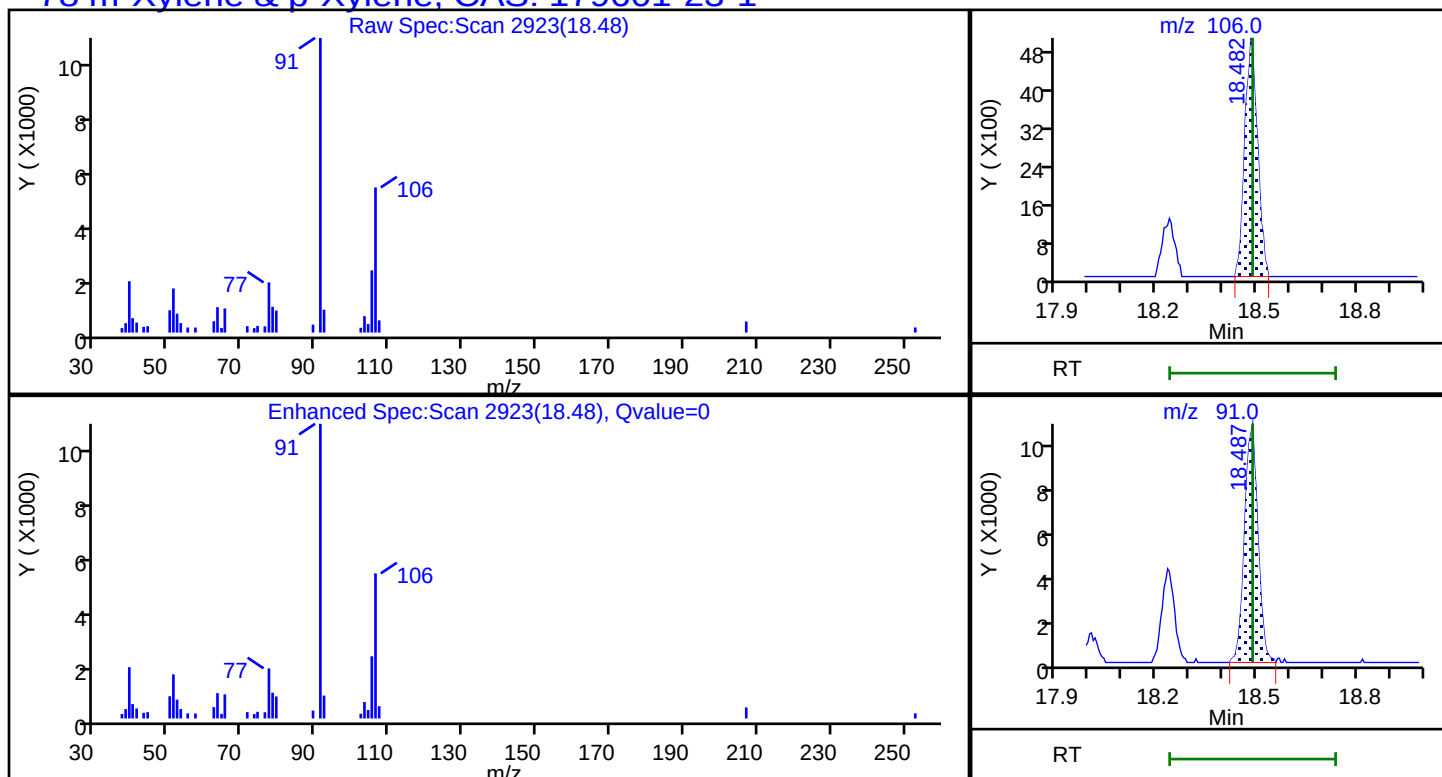
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

78 m-Xylene & p-Xylene, CAS: 179601-23-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 200.000 mL

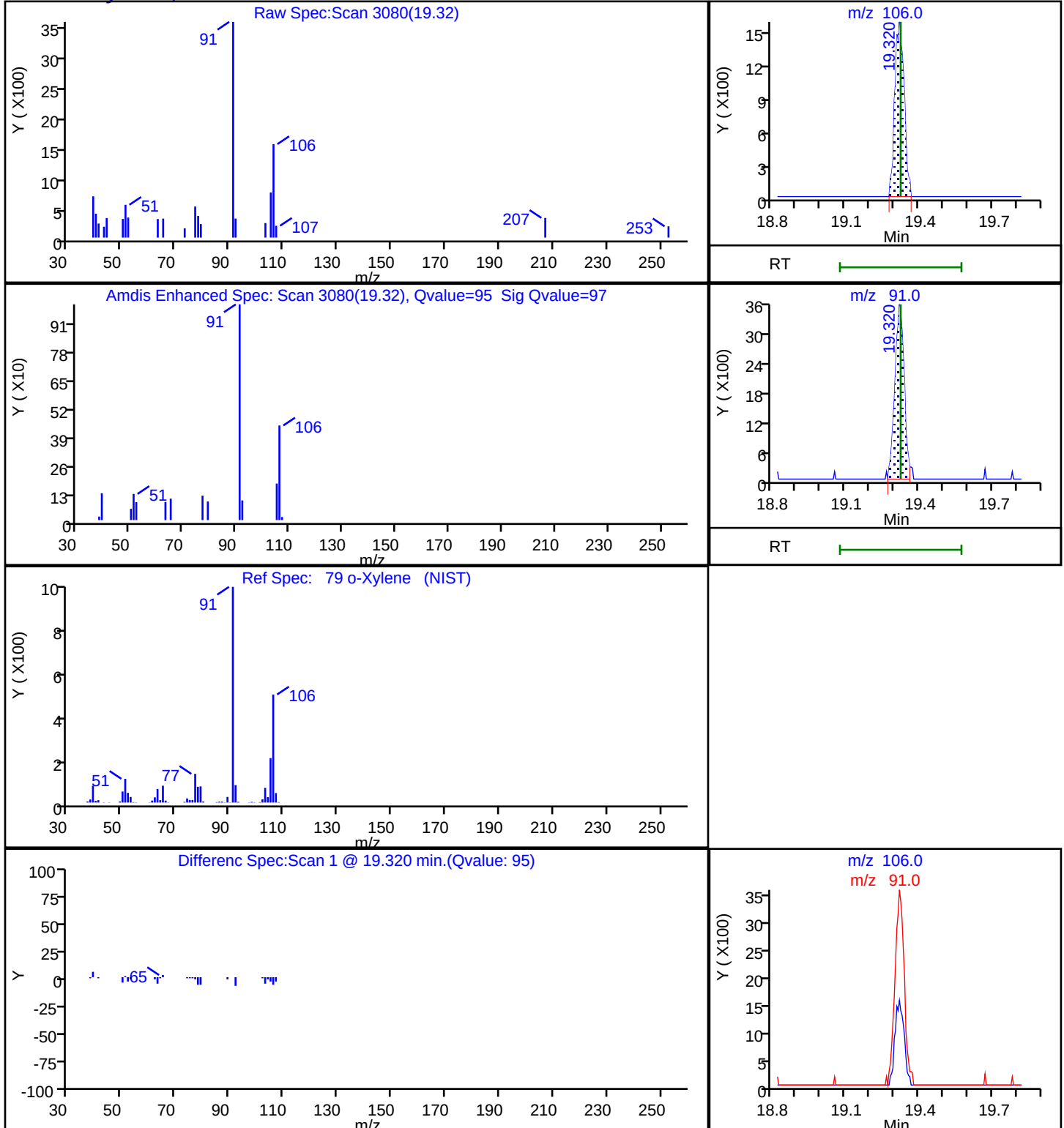
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

79 o-Xylene, CAS: 95-47-6

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

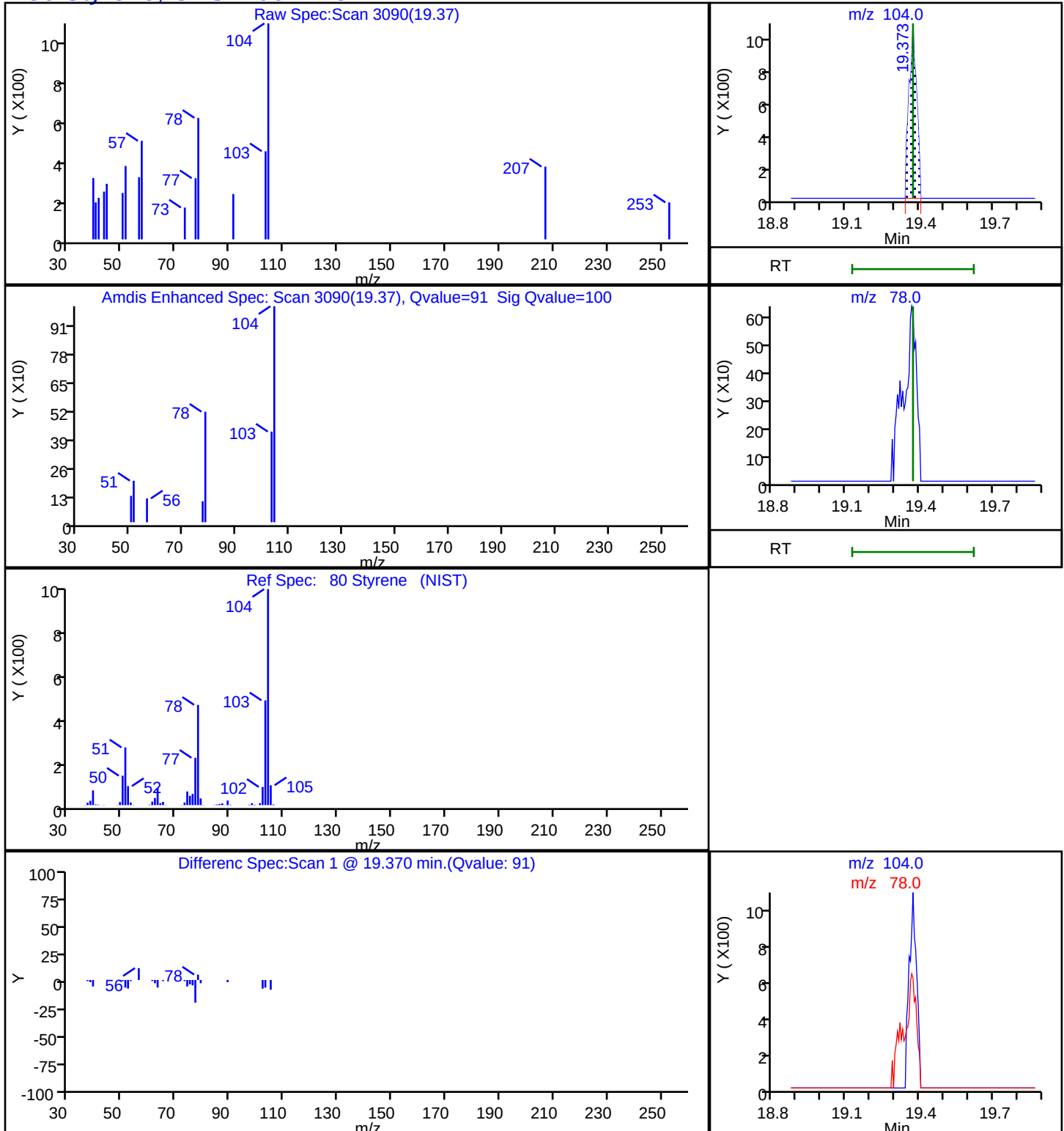
Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

80 Styrene, CAS: 100-42-5



Eurofins TestAmerica, Burlington

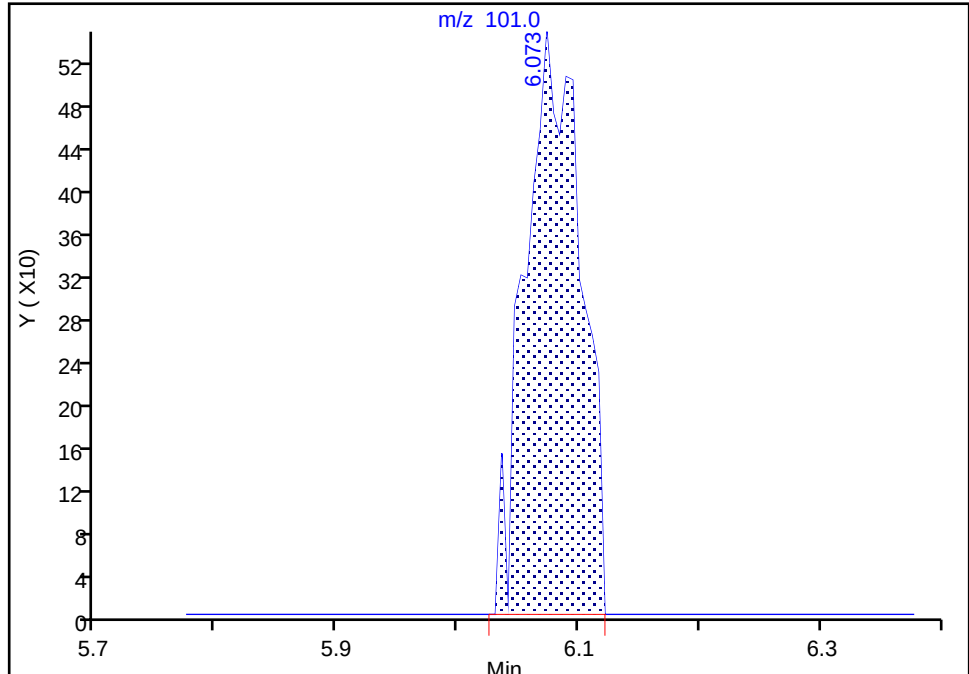
Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D
Injection Date: 21-Feb-2020 03:40:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-3 Lab Sample ID: 200-52685-3
Client ID: SS-SV-06-021420
Operator ID: ggg ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

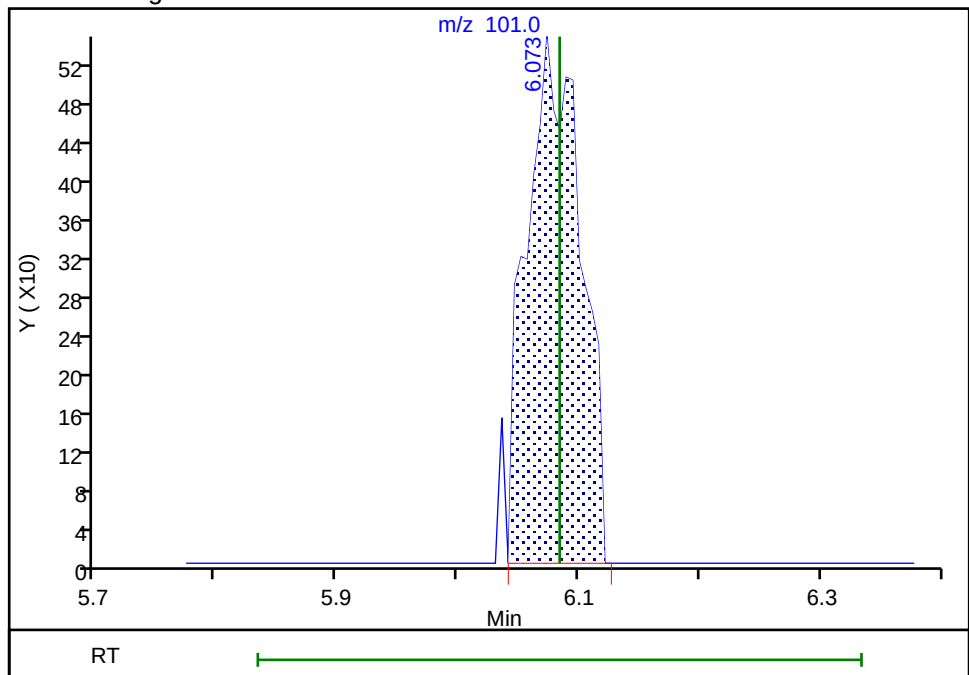
RT: 6.07
Area: 1747
Amount: 0.055541
Amount Units: ppb v/v

Processing Integration Results



RT: 6.07
Area: 1699
Amount: 0.054015
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 16:36:27

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

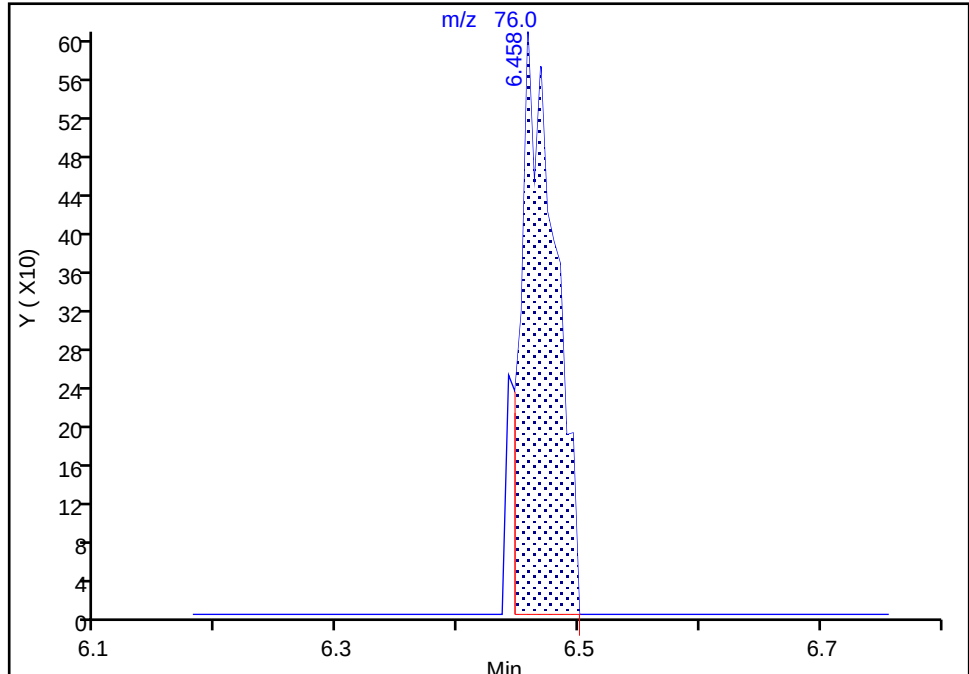
Data File:	\\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D				
Injection Date:	21-Feb-2020 03:40:30	Instrument ID:	CHC.i		
Lims ID:	200-52685-A-3	Lab Sample ID:	200-52685-3		
Client ID:	SS-SV-06-021420				
Operator ID:	ggg	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN		

23 Carbon disulfide, CAS: 75-15-0

Signal: 1

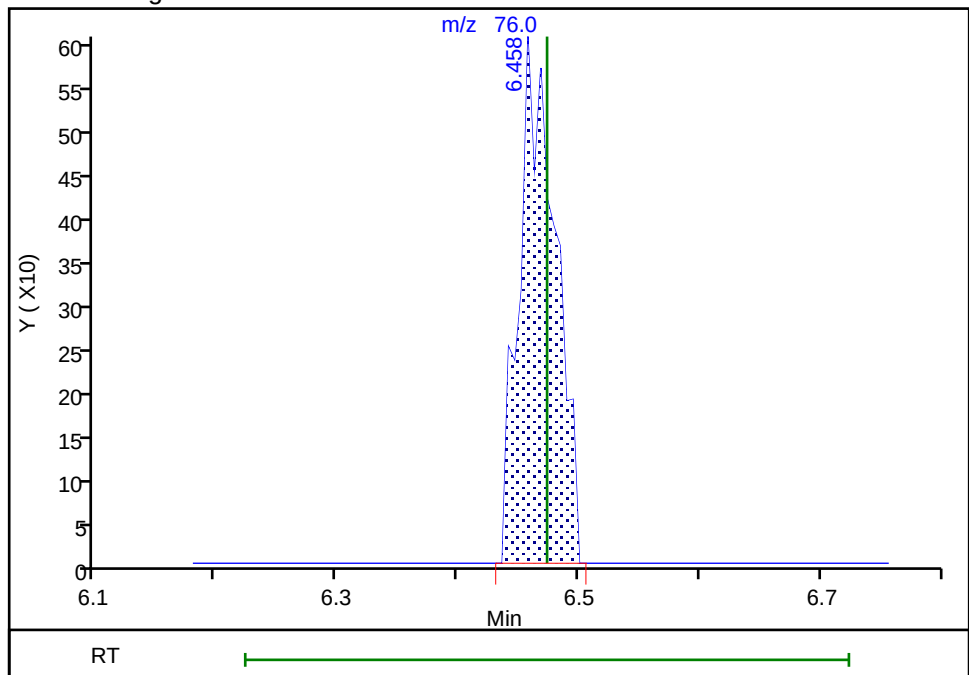
RT: 6.46
Area: 1185
Amount: 0.025369
Amount Units: ppb v/v

Processing Integration Results



RT: 6.46
Area: 1265
Amount: 0.027081
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 16:36:52

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20 Worklist Smp#: 20

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

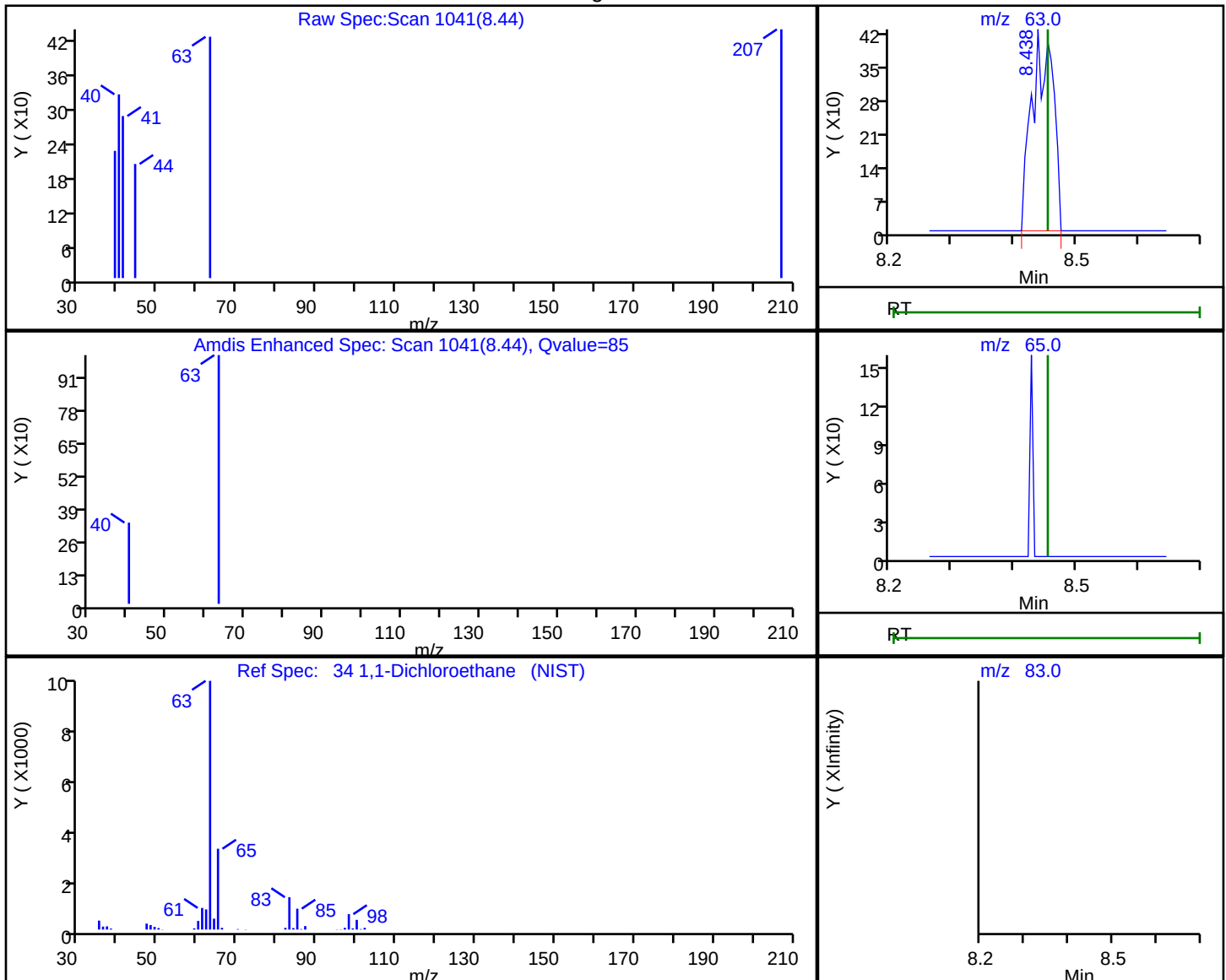
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

34 1,1-Dichloroethane, CAS: 75-34-3

Processing Results



RT	Mass	Response	Amount
8.44	63.00	1000	0.027760
8.45	65.00	0	
8.45	83.00	0	

Reviewer: bunmaa, 21-Feb-2020 16:37:48

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

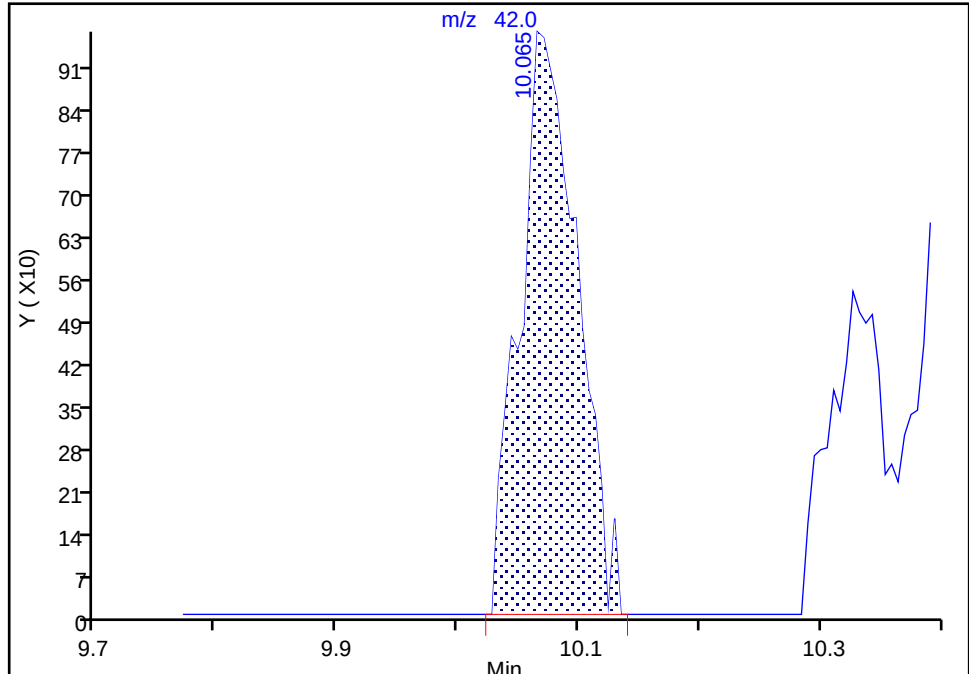
Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D
Injection Date: 21-Feb-2020 03:40:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-3 Lab Sample ID: 200-52685-3
Client ID: SS-SV-06-021420
Operator ID: ggg ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

41 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

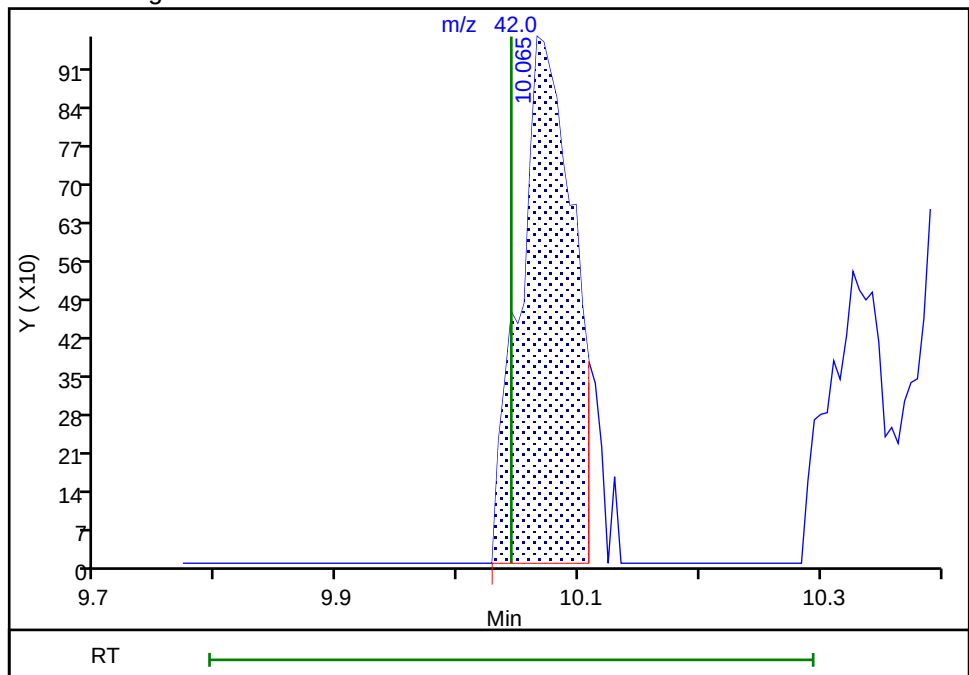
RT: 10.07
Area: 3179
Amount: 0.096454
Amount Units: ppb v/v

Processing Integration Results



RT: 10.07
Area: 2956
Amount: 0.089688
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 16:38:21
Audit Action: Manually Integrated

Audit Reason: Assign Peak
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Eurofins TestAmerica, Burlington

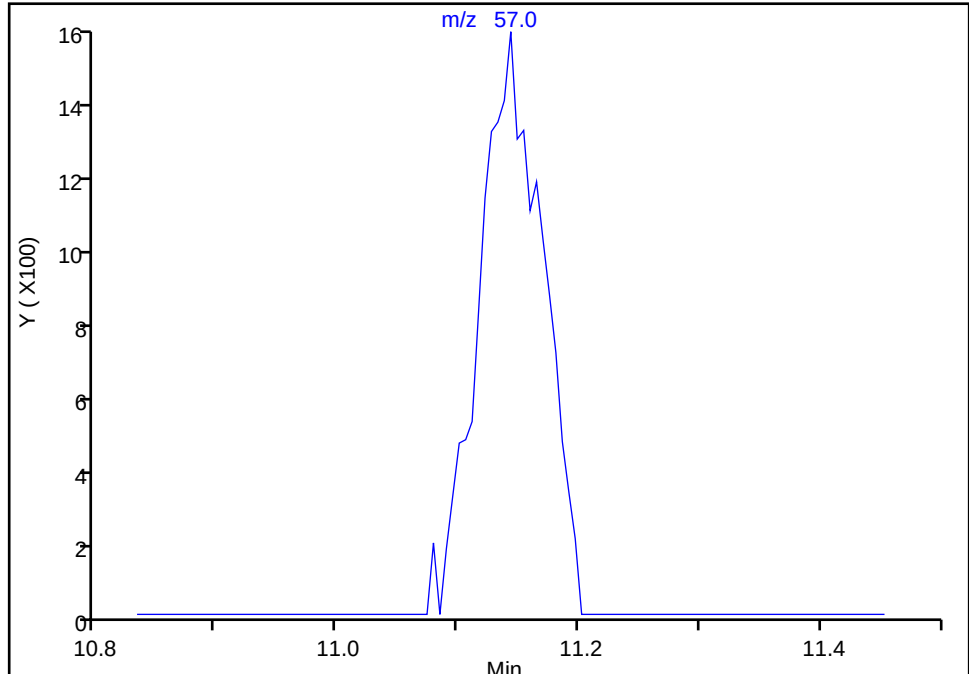
Data File:	\\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D				
Injection Date:	21-Feb-2020 03:40:30	Instrument ID:	CHC.i		
Lims ID:	200-52685-A-3	Lab Sample ID:	200-52685-3		
Client ID:	SS-SV-06-021420				
Operator ID:	ggg	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN		

46 Isooctane, CAS: 540-84-1

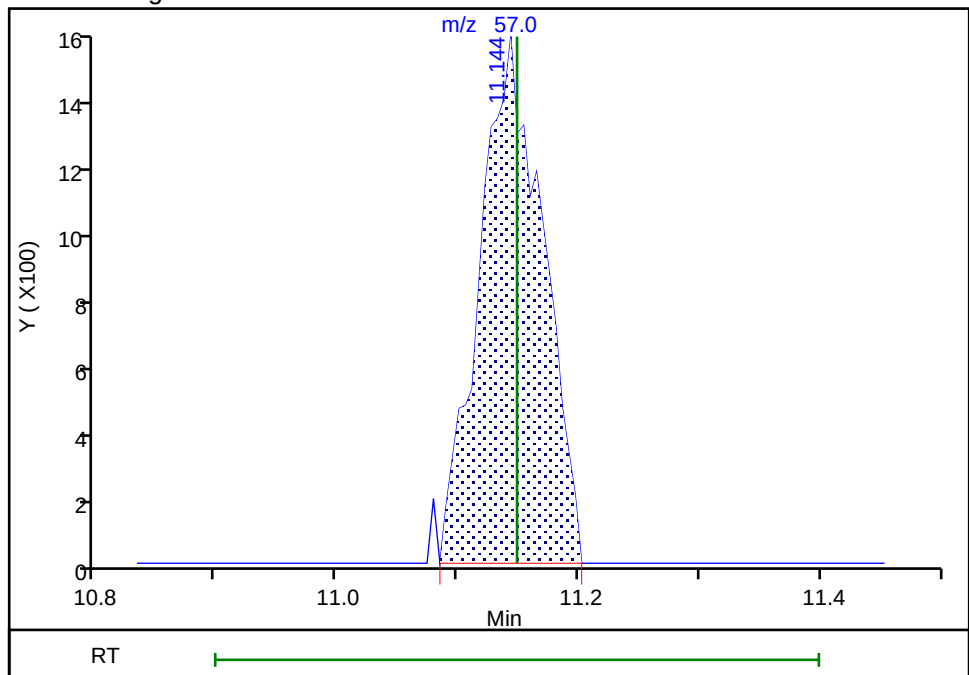
Signal: 1

Not Detected
Expected RT: 11.15

Processing Integration Results



Manual Integration Results

RT: 11.14
Area: 5621
Amount: 0.046398
Amount Units: ppb v/vReviewer: bunmaa, 21-Feb-2020 16:39:30
Audit Action: Manually IntegratedAudit Reason: Assign Peak
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Eurofins TestAmerica, Burlington

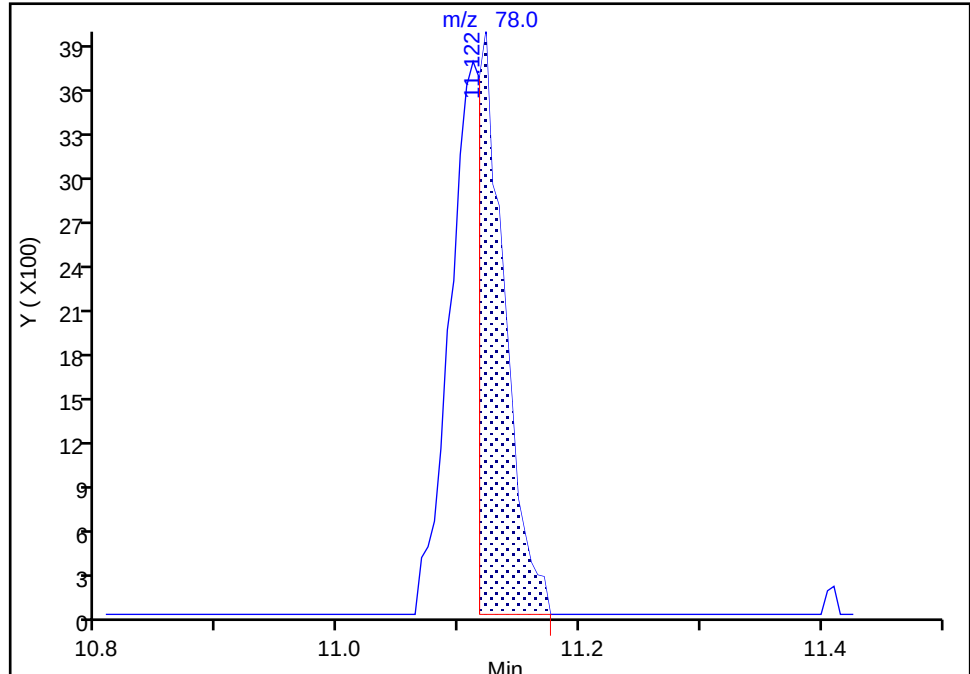
Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D
Injection Date: 21-Feb-2020 03:40:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-3 Lab Sample ID: 200-52685-3
Client ID: SS-SV-06-021420
Operator ID: ggg ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

47 Benzene, CAS: 71-43-2

Signal: 1

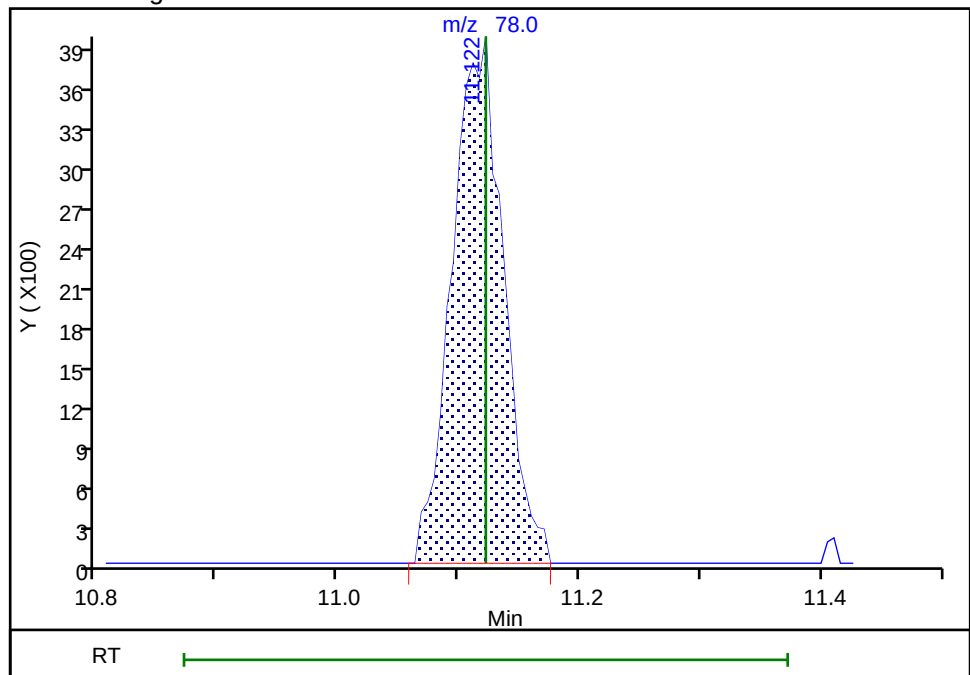
RT: 11.12
Area: 6028
Amount: 0.093809
Amount Units: ppb v/v

Processing Integration Results



RT: 11.12
Area: 11478
Amount: 0.178622
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 16:39:04

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

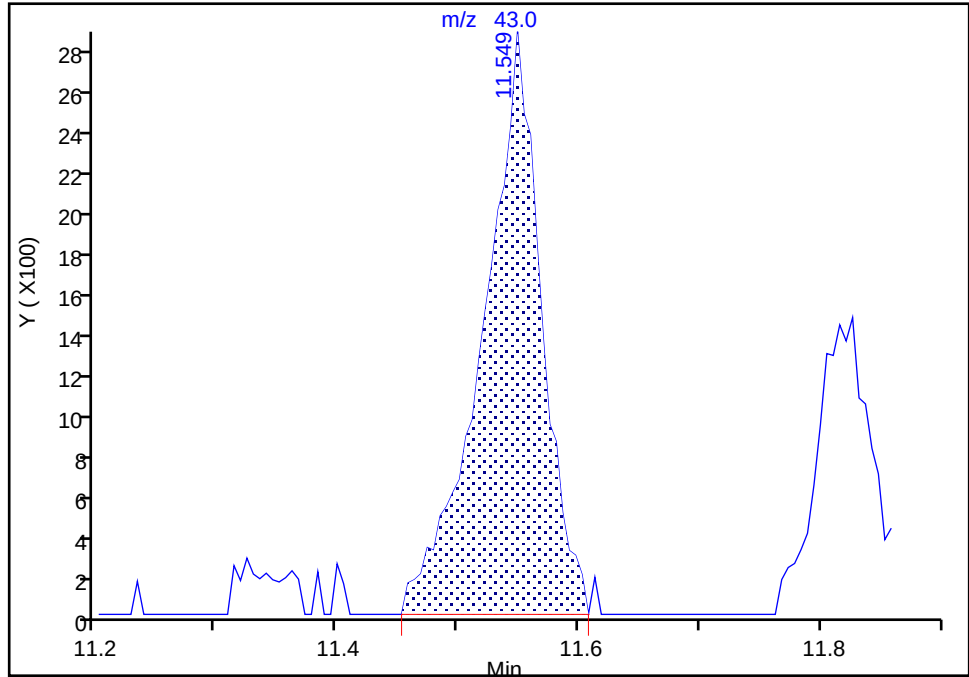
Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D
Injection Date: 21-Feb-2020 03:40:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-3 Lab Sample ID: 200-52685-3
Client ID: SS-SV-06-021420
Operator ID: ggg ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

49 n-Heptane, CAS: 142-82-5

Signal: 1

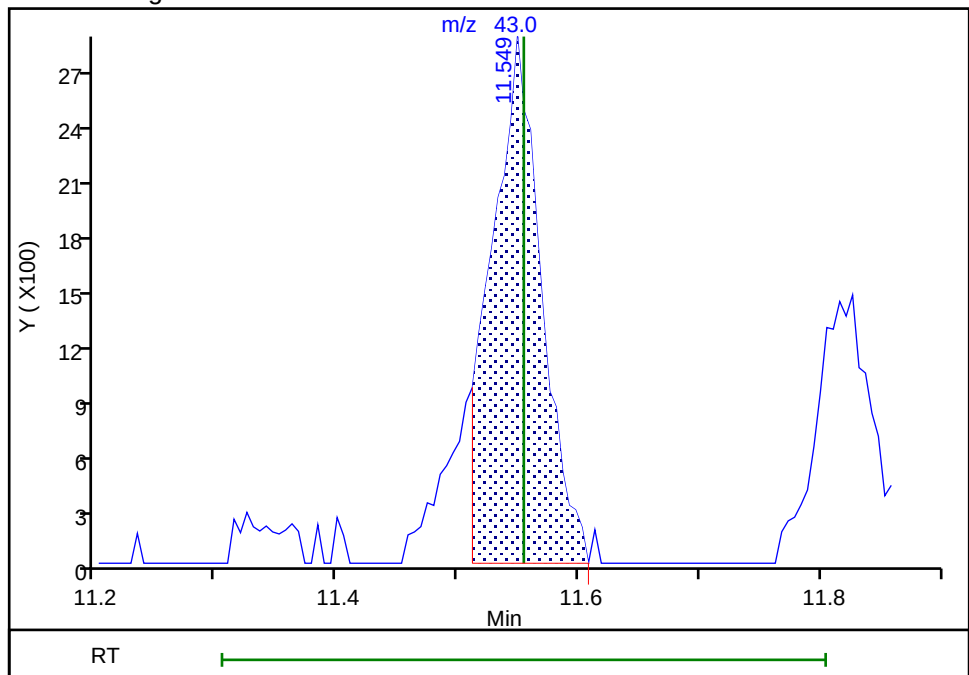
RT: 11.55
Area: 9656
Amount: 0.161514
Amount Units: ppb v/v

Processing Integration Results



RT: 11.55
Area: 8275
Amount: 0.138414
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 16:40:01
Audit Action: Manually Integrated

Audit Reason: Assign Peak
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Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20 Worklist Smp#: 20

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

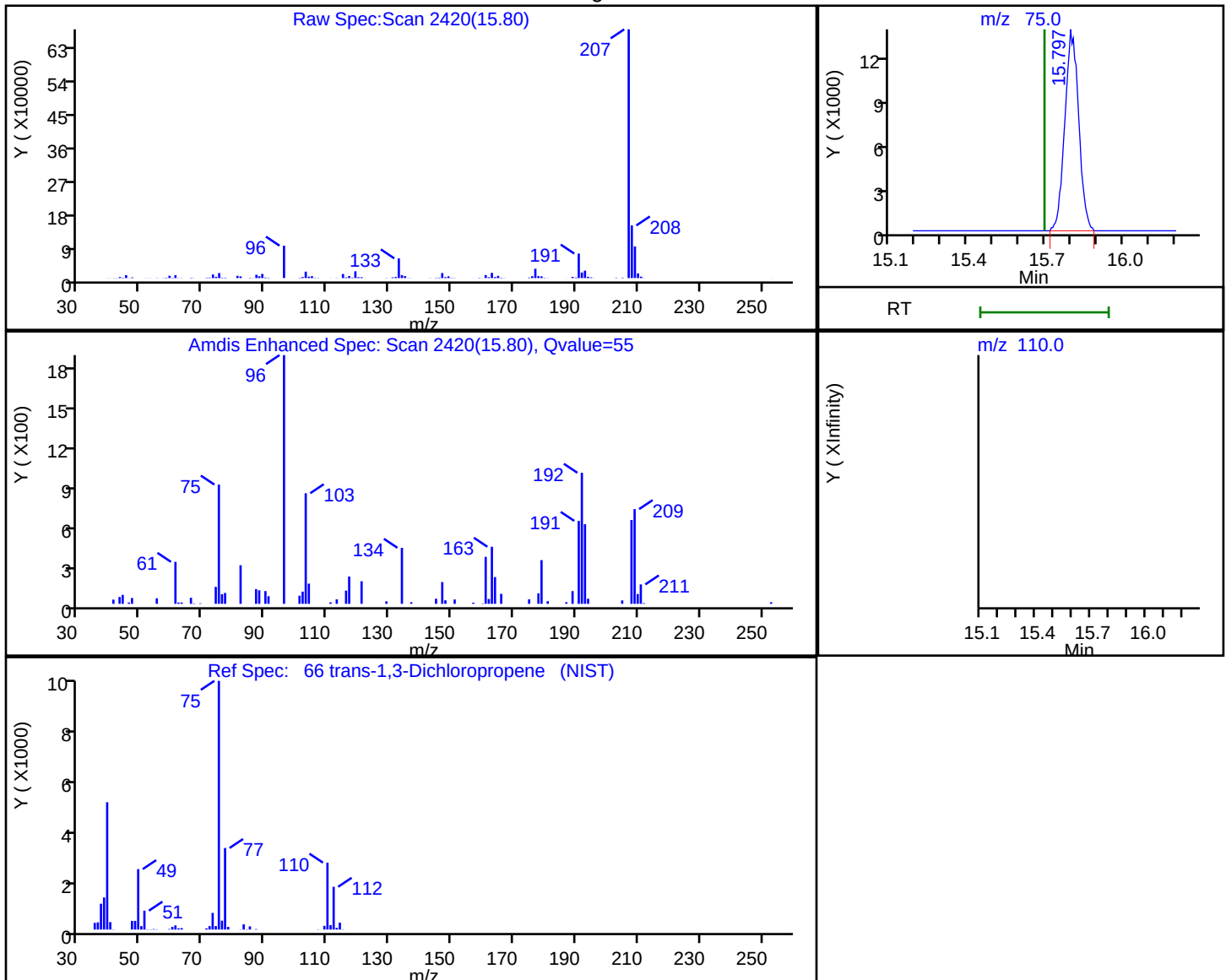
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

66 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
15.80	75.00	50744	1.203707
15.70	110.00	0	

Reviewer: bunmaa, 21-Feb-2020 16:40:29

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

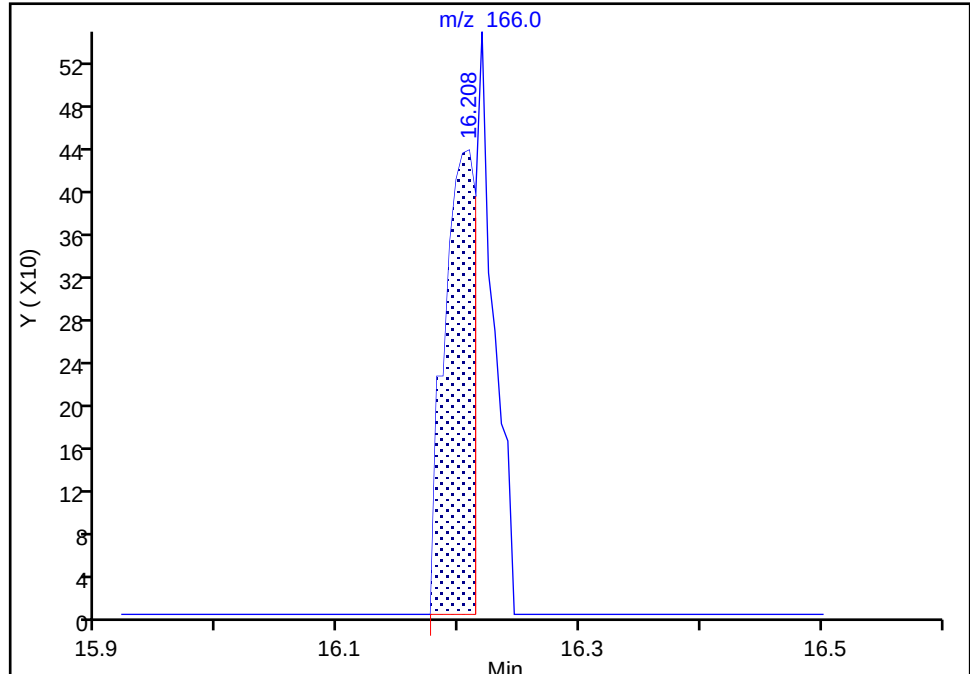
Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D
Injection Date: 21-Feb-2020 03:40:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-3 Lab Sample ID: 200-52685-3
Client ID: SS-SV-06-021420
Operator ID: ggg ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

68 Tetrachloroethene, CAS: 127-18-4

Signal: 1

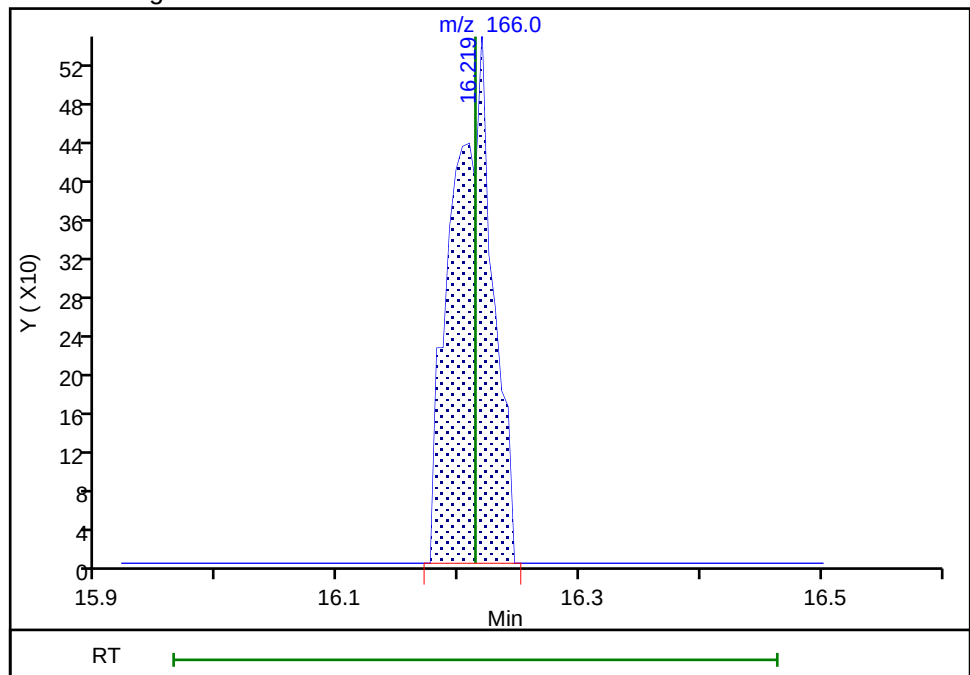
RT: 16.21
Area: 781
Amount: 0.023497
Amount Units: ppb v/v

Processing Integration Results



RT: 16.22
Area: 1248
Amount: 0.037547
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 16:40:40

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20 Worklist Smp#: 20

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

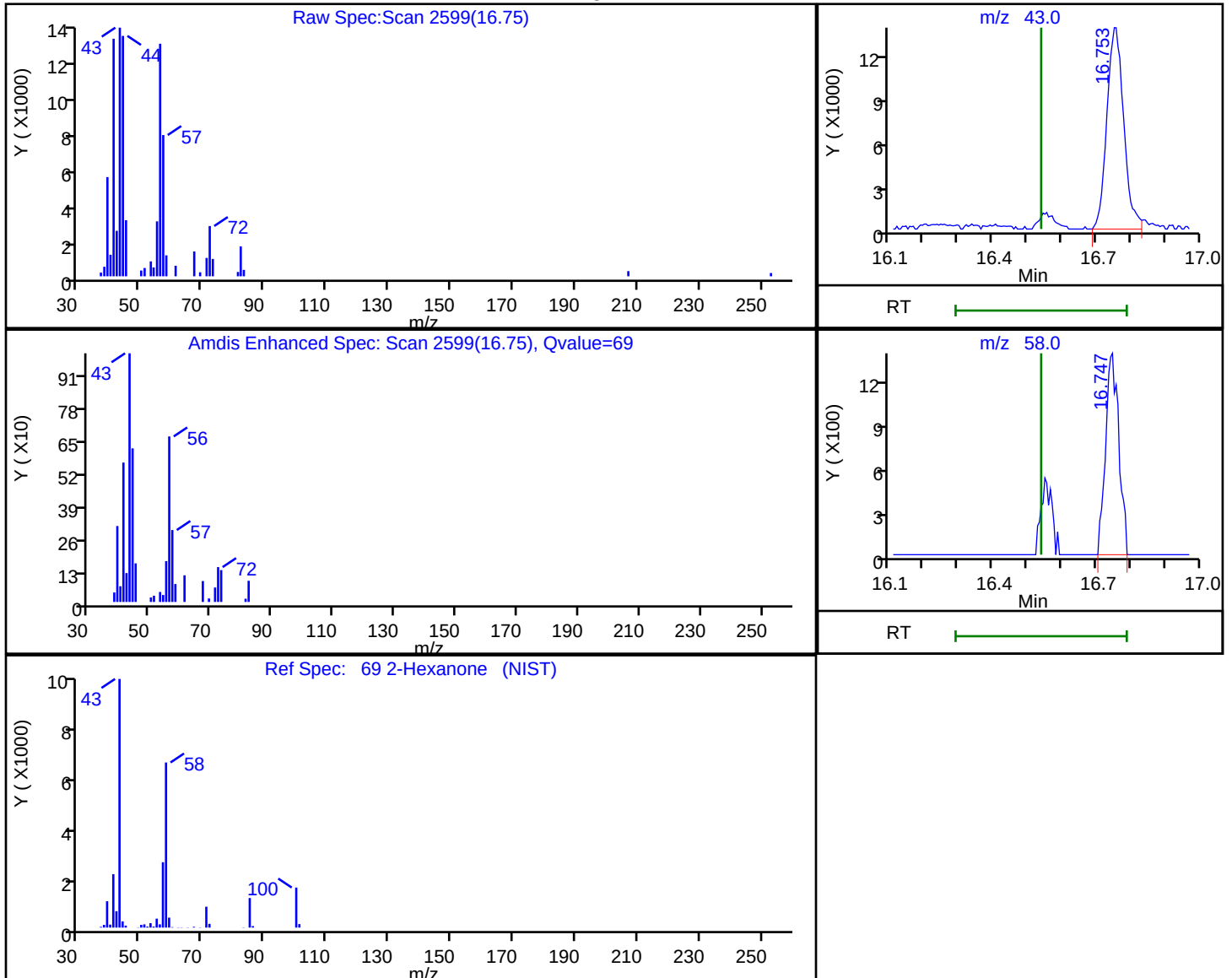
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

69 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
16.75	43.00	45014	0.528563
16.75	58.00	3706	

Reviewer: bunmaa, 21-Feb-2020 16:40:58

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#:

20

Worklist Smp#: 20

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

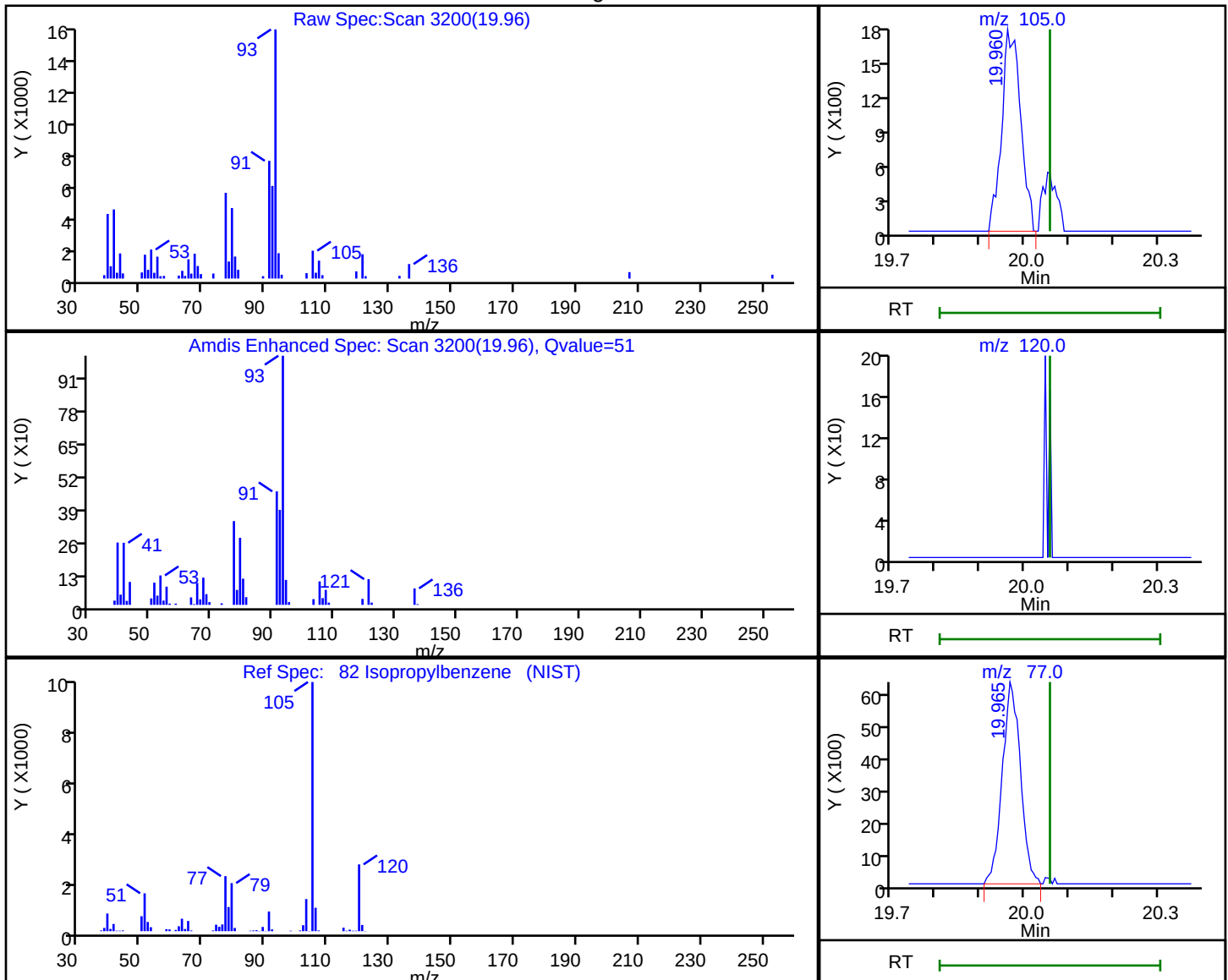
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

82 Isopropylbenzene, CAS: 98-82-8

Processing Results



RT	Mass	Response	Amount
19.96	105.00	5311	0.048066
20.06	120.00	0	
19.97	77.00	18114	

Reviewer: bunmaa, 21-Feb-2020 16:41:41

Audit Action: Marked Compound Undetected

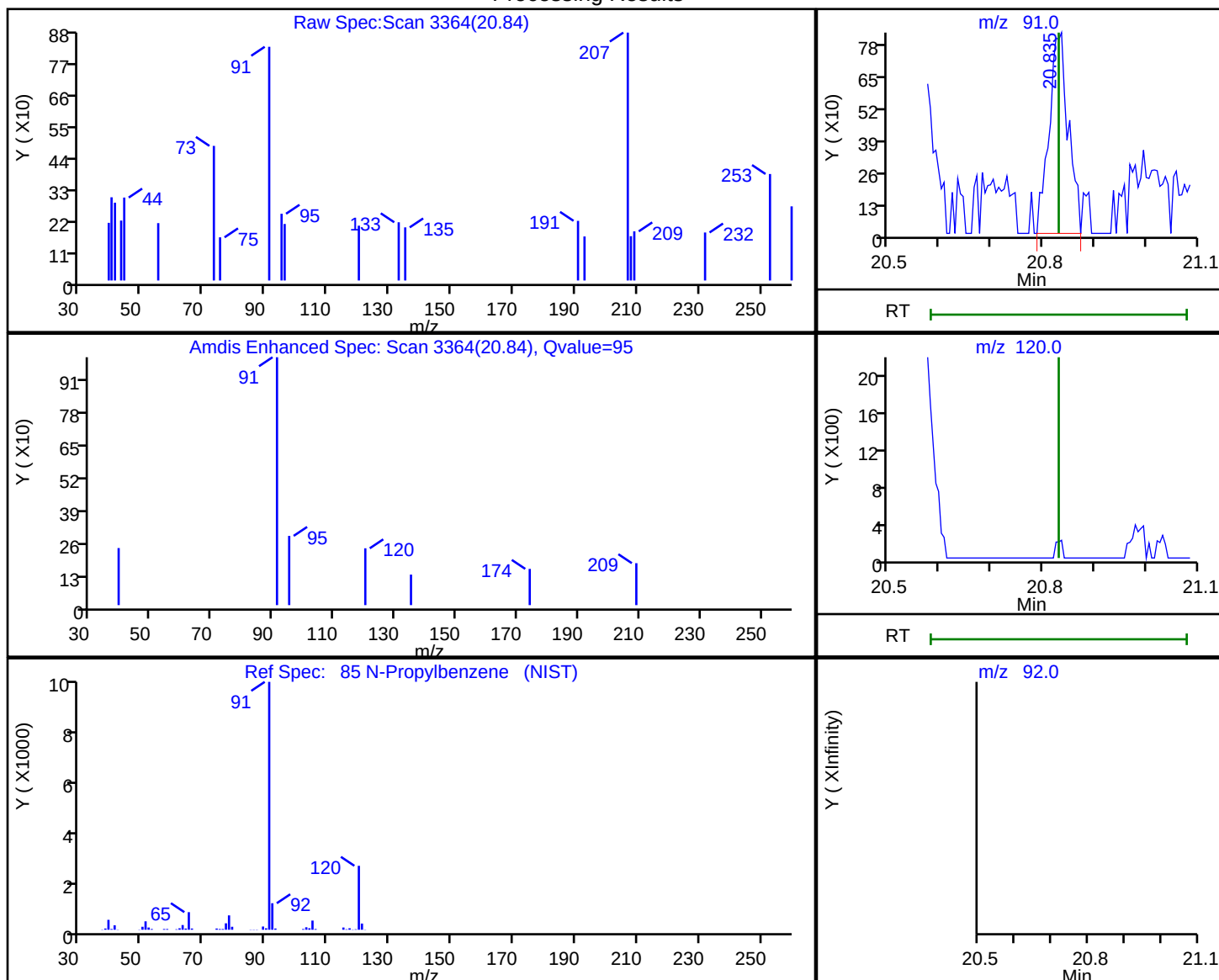
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D
Injection Date: 21-Feb-2020 03:40:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-3 Lab Sample ID: 200-52685-3
Client ID: SS-SV-06-021420
Operator ID: ggg ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

85 N-Propylbenzene, CAS: 103-65-1

Processing Results



RT	Mass	Response	Amount
20.84	91.00	2141	0.014828
20.83	120.00	0	
20.83	92.00	0	

Reviewer: bourdeaut, 21-Feb-2020 08:05:30

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

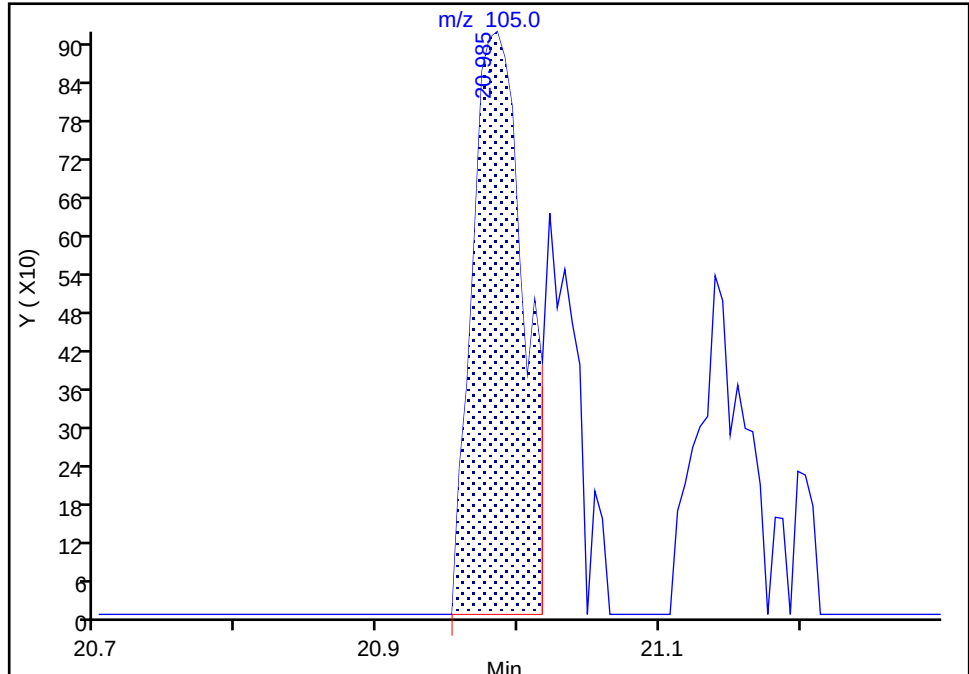
Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D
Injection Date: 21-Feb-2020 03:40:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-3 Lab Sample ID: 200-52685-3
Client ID: SS-SV-06-021420
Operator ID: ggg ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

88 4-Ethyltoluene, CAS: 622-96-8

Signal: 1

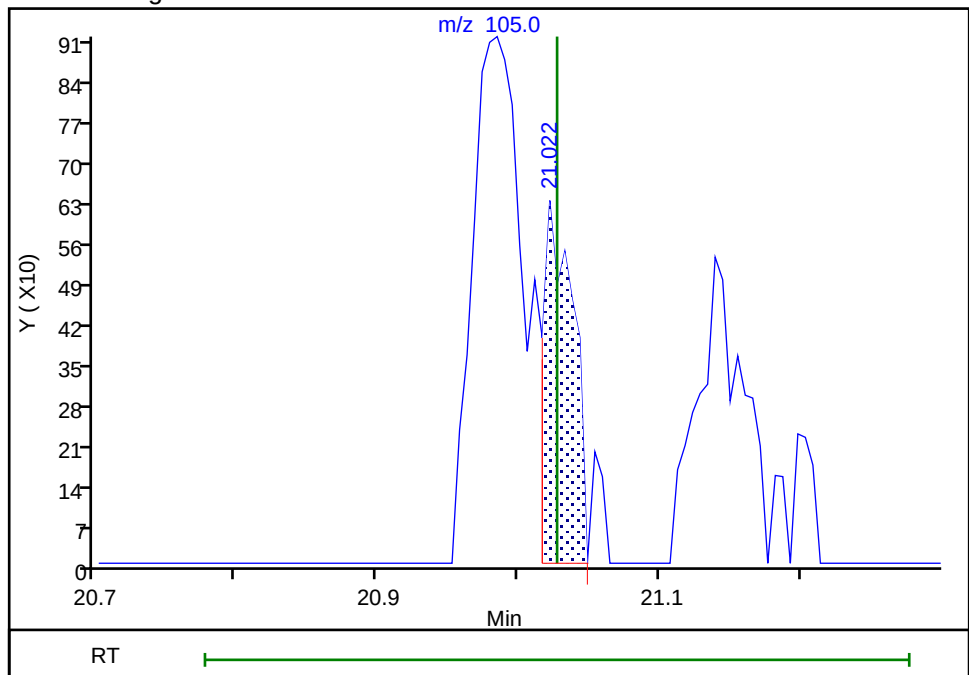
RT: 20.98
Area: 2343
Amount: 0.020557
Amount Units: ppb v/v

Processing Integration Results



RT: 21.02
Area: 924
Amount: 0.008107
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 16:42:51

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D

Injection Date: 21-Feb-2020 03:40:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-3

Lab Sample ID: 200-52685-3

Client ID: SS-SV-06-021420

Operator ID: ggg

ALS Bottle#: 20 Worklist Smp#: 20

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

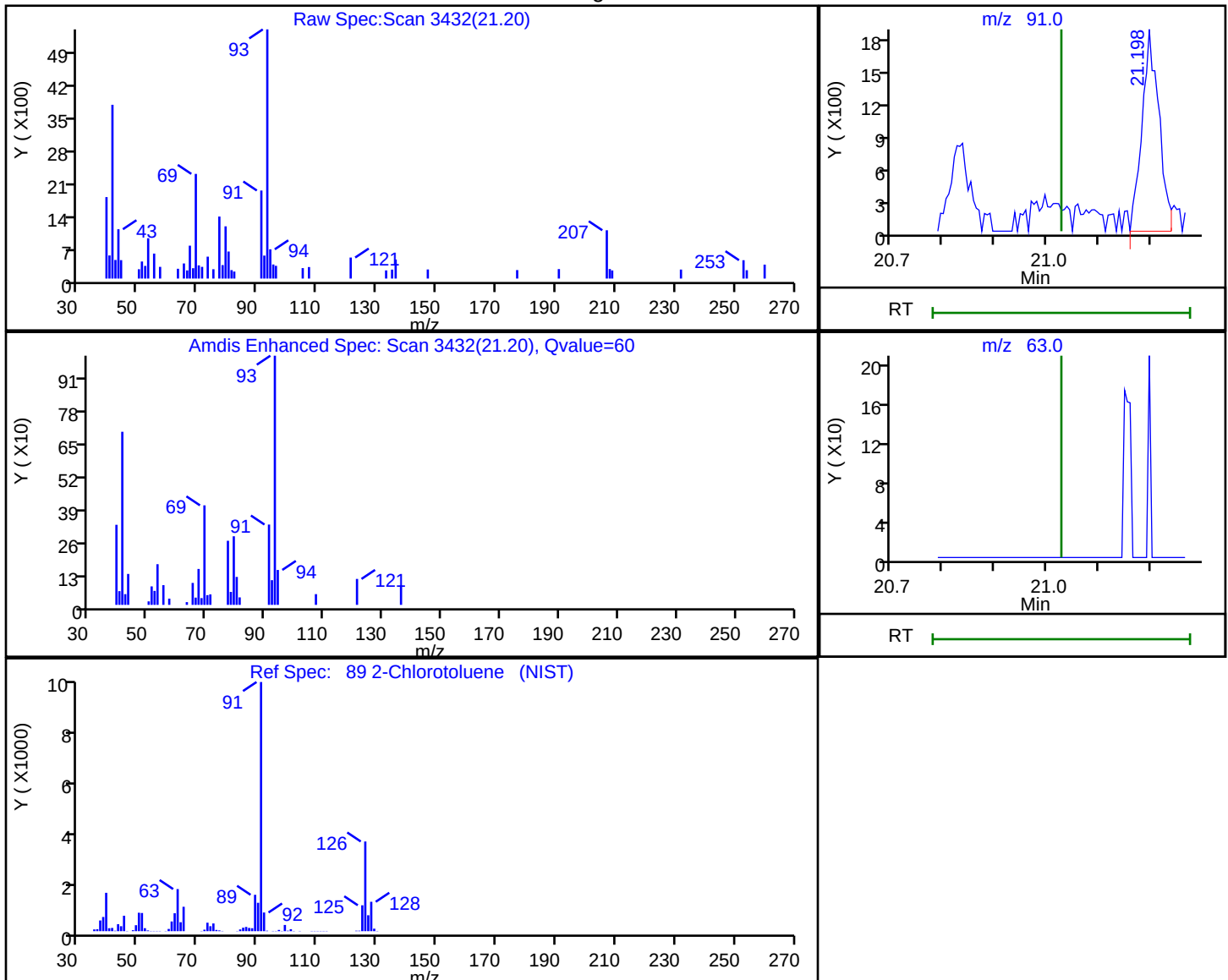
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

89 2-Chlorotoluene, CAS: 95-49-8

Processing Results



RT	Mass	Response	Amount
21.20	91.00	4308	0.042043
21.03	63.00	0	

Reviewer: bunmaa, 21-Feb-2020 16:42:29

Audit Action: Marked Compound Undetected

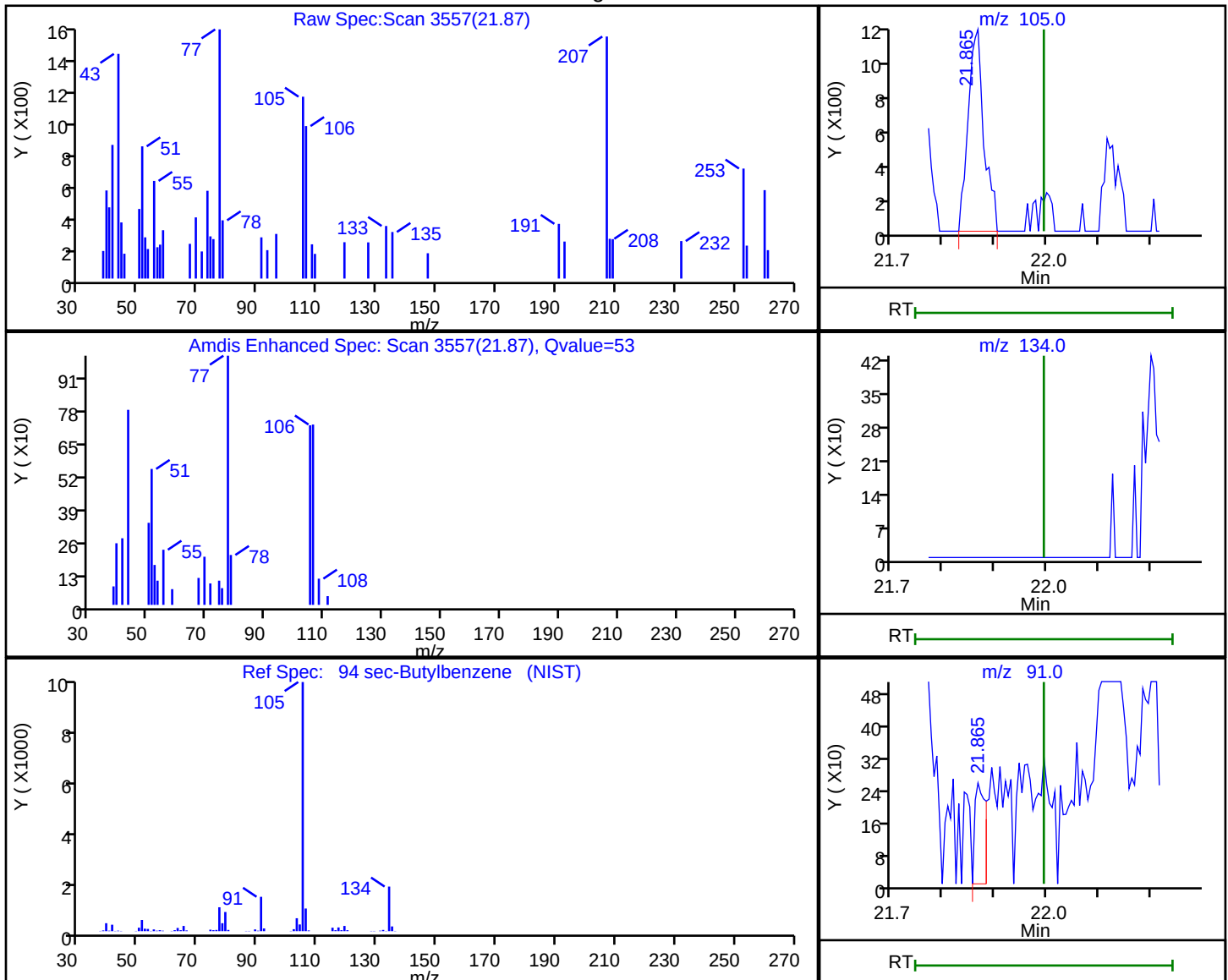
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D
Injection Date: 21-Feb-2020 03:40:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-3 Lab Sample ID: 200-52685-3
Client ID: SS-SV-06-021420
Operator ID: ggg ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

94 sec-Butylbenzene, CAS: 135-98-8

Processing Results



RT	Mass	Response	Amount
21.87	105.00	2382	0.017326
21.99	134.00	0	
21.87	91.00	357	

Reviewer: bunmaa, 21-Feb-2020 16:43:31

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

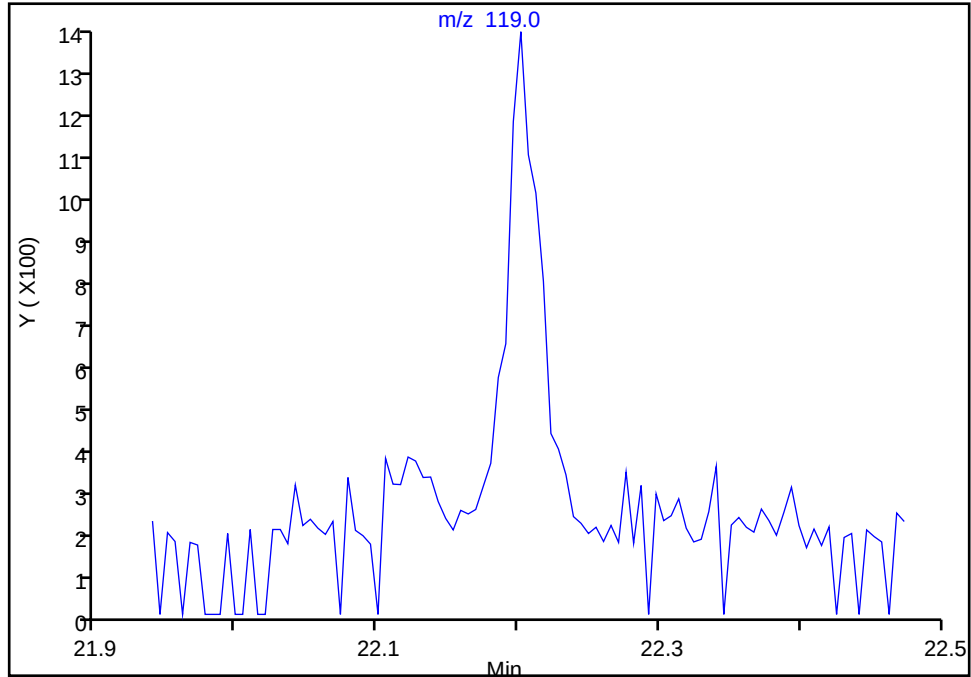
Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-20.D
Injection Date: 21-Feb-2020 03:40:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-3 Lab Sample ID: 200-52685-3
Client ID: SS-SV-06-021420
Operator ID: ggg ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

95 4-Isopropyltoluene, CAS: 99-87-6

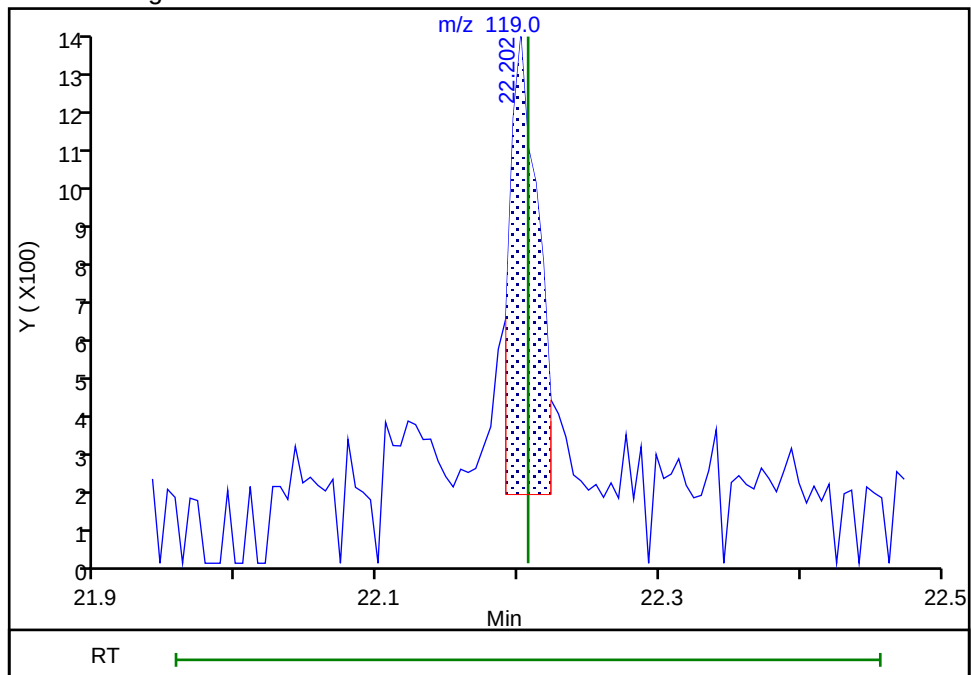
Signal: 1

Not Detected
Expected RT: 22.21

Processing Integration Results



Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 16:43:44
Audit Action: Manually Integrated

Audit Reason: Assign Peak
Page 288 of 968

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: IA-06-021420 Lab Sample ID: 200-52685-4

Matrix: Air Lab File ID: 40108-21.D

Analysis Method: TO-15 Date Collected: 02/14/2020 10:50

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 04:34

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.: 152580 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.34	J	0.50	0.11
75-45-6	Freon 22	86.47	0.31	J	0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.20	0.035
74-87-3	Chloromethane	50.49	0.72		0.50	0.11
106-97-8	n-Butane	58.12	1.4		0.50	0.11
75-01-4	Vinyl chloride	62.50	ND		0.060	0.044
106-99-0	1,3-Butadiene	54.09	0.23		0.20	0.057
74-83-9	Bromomethane	94.94	ND		0.20	0.051
75-00-3	Chloroethane	64.52	ND		0.50	0.054
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.20	0.052
75-69-4	Trichlorofluoromethane	137.37	0.21		0.20	0.060
76-13-1	Freon TF	187.38	0.055	J	0.20	0.038
75-35-4	1,1-Dichloroethene	96.94	ND		0.20	0.039
67-64-1	Acetone	58.08	10		5.0	1.2
67-63-0	Isopropyl alcohol	60.10	13		5.0	0.48
75-15-0	Carbon disulfide	76.14	0.50		0.50	0.074
107-05-1	3-Chloropropene	76.53	ND		0.50	0.064
75-09-2	Methylene Chloride	84.93	ND		0.50	0.27
75-65-0	tert-Butyl alcohol	74.12	0.87	J	5.0	0.038
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.20	0.033
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.20	0.042
110-54-3	n-Hexane	86.17	ND		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	ND		0.20	0.041
78-93-3	Methyl Ethyl Ketone	72.11	4.7		0.50	0.072
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.20	0.045
540-59-0	1,2-Dichloroethene, Total	96.94	ND		0.40	0.042
67-66-3	Chloroform	119.38	0.069	J	0.20	0.032
109-99-9	Tetrahydrofuran	72.11	0.30	J	5.0	0.066
71-55-6	1,1,1-Trichloroethane	133.41	0.39		0.20	0.036
110-82-7	Cyclohexane	84.16	0.28		0.20	0.046
56-23-5	Carbon tetrachloride	153.81	0.058	J	0.060	0.024
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.20	0.041
71-43-2	Benzene	78.11	0.19	J	0.20	0.067
107-06-2	1,2-Dichloroethane	98.96	ND		0.20	0.032

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: IA-06-021420 Lab Sample ID: 200-52685-4

Matrix: Air Lab File ID: 40108-21.D

Analysis Method: TO-15 Date Collected: 02/14/2020 10:50

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 04:34

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.: 152580 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.21		0.20	0.056
79-01-6	Trichloroethene	131.39	ND		0.060	0.035
80-62-6	Methyl methacrylate	100.12	ND		0.50	0.033
78-87-5	1,2-Dichloropropane	112.99	ND		0.20	0.033
123-91-1	1,4-Dioxane	88.11	ND		5.0	0.084
75-27-4	Bromodichloromethane	163.83	ND		0.20	0.035
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.20	0.032
108-10-1	methyl isobutyl ketone	100.16	ND		0.50	0.036
108-88-3	Toluene	92.14	0.53		0.20	0.11
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.20	0.039
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.20	0.036
127-18-4	Tetrachloroethene	165.83	0.034	J	0.20	0.033
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		0.50	0.048
124-48-1	Dibromochloromethane	208.29	ND		0.20	0.036
106-93-4	1,2-Dibromoethane	187.87	ND		0.20	0.049
108-90-7	Chlorobenzene	112.56	ND		0.20	0.056
100-41-4	Ethylbenzene	106.17	0.099	J	0.20	0.063
179601-23-1	m,p-Xylene	106.17	0.36	J	0.50	0.10
95-47-6	Xylene, o-	106.17	0.099	J	0.20	0.048
1330-20-7	Xylene (total)	106.17	0.46	J	0.70	0.048
100-42-5	Styrene	104.15	ND		0.20	0.040
75-25-2	Bromoform	252.75	ND		0.20	0.048
98-82-8	Cumene	120.19	ND		0.20	0.035
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.20	0.042
103-65-1	n-Propylbenzene	120.19	ND		0.20	0.039
622-96-8	4-Ethyltoluene	120.20	ND		0.20	0.041
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.20	0.039
95-49-8	2-Chlorotoluene	126.59	ND		0.20	0.042
98-06-6	tert-Butylbenzene	134.22	ND		0.20	0.035
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.20	0.044
135-98-8	sec-Butylbenzene	134.22	ND		0.20	0.035
99-87-6	4-Isopropyltoluene	134.22	ND		0.20	0.039
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.20	0.11
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.20	0.12

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.: _____
Client Sample ID: IA-06-021420 Lab Sample ID: 200-52685-4
Matrix: Air Lab File ID: 40108-21.D
Analysis Method: TO-15 Date Collected: 02/14/2020 10:50
Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 04:34
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.: 152580 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		0.20	0.085
104-51-8	n-Butylbenzene	134.22	ND		0.20	0.039
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.20	0.097
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.50	0.22
87-68-3	Hexachlorobutadiene	260.76	ND		0.20	0.076
91-20-3	Naphthalene	128.17	ND		0.50	0.17

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: IA-06-021420 Lab Sample ID: 200-52685-4

Matrix: Air Lab File ID: 40108-21.D

Analysis Method: TO-15 Date Collected: 02/14/2020 10:50

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 04:34

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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	1.7	J	2.5	0.54
75-45-6	Freon 22	86.47	1.1	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	0.24
74-87-3	Chloromethane	50.49	1.5		1.0	0.23
106-97-8	n-Butane	58.12	3.4		1.2	0.26
75-01-4	Vinyl chloride	62.50	ND		0.15	0.11
106-99-0	1,3-Butadiene	54.09	0.50		0.44	0.13
74-83-9	Bromomethane	94.94	ND		0.78	0.20
75-00-3	Chloroethane	64.52	ND		1.3	0.14
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.87	0.23
75-69-4	Trichlorofluoromethane	137.37	1.2		1.1	0.34
76-13-1	Freon TF	187.38	0.42	J	1.5	0.29
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	0.15
67-64-1	Acetone	58.08	25		12	2.9
67-63-0	Isopropyl alcohol	60.10	32		12	1.2
75-15-0	Carbon disulfide	76.14	1.6		1.6	0.23
107-05-1	3-Chloropropene	76.53	ND		1.6	0.20
75-09-2	Methylene Chloride	84.93	ND		1.7	0.94
75-65-0	tert-Butyl alcohol	74.12	2.6	J	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.72	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.79	0.17
110-54-3	n-Hexane	86.17	ND		0.70	0.70
75-34-3	1,1-Dichloroethane	98.96	ND		0.81	0.17
78-93-3	Methyl Ethyl Ketone	72.11	14		1.5	0.21
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.79	0.18
540-59-0	1,2-Dichloroethene, Total	96.94	ND		1.6	0.17
67-66-3	Chloroform	119.38	0.34	J	0.98	0.16
109-99-9	Tetrahydrofuran	72.11	0.89	J	15	0.19
71-55-6	1,1,1-Trichloroethane	133.41	2.2		1.1	0.20
110-82-7	Cyclohexane	84.16	0.98		0.69	0.16
56-23-5	Carbon tetrachloride	153.81	0.36	J	0.38	0.15
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	0.19
71-43-2	Benzene	78.11	0.61	J	0.64	0.21
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	0.13

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: IA-06-021420 Lab Sample ID: 200-52685-4

Matrix: Air Lab File ID: 40108-21.D

Analysis Method: TO-15 Date Collected: 02/14/2020 10:50

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 04:34

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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.86		0.82	0.23
79-01-6	Trichloroethene	131.39	ND		0.32	0.19
80-62-6	Methyl methacrylate	100.12	ND		2.0	0.14
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.15
123-91-1	1,4-Dioxane	88.11	ND		18	0.30
75-27-4	Bromodichloromethane	163.83	ND		1.3	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	0.15
108-10-1	methyl isobutyl ketone	100.16	ND		2.0	0.15
108-88-3	Toluene	92.14	2.0		0.75	0.41
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	0.18
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.23	J	1.4	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		2.0	0.20
124-48-1	Dibromochloromethane	208.29	ND		1.7	0.31
106-93-4	1,2-Dibromoethane	187.87	ND		1.5	0.38
108-90-7	Chlorobenzene	112.56	ND		0.92	0.26
100-41-4	Ethylbenzene	106.17	0.43	J	0.87	0.27
179601-23-1	m,p-Xylene	106.17	1.6	J	2.2	0.43
95-47-6	Xylene, o-	106.17	0.43	J	0.87	0.21
1330-20-7	Xylene (total)	106.17	2.0	J	3.0	0.21
100-42-5	Styrene	104.15	ND		0.85	0.17
75-25-2	Bromoform	252.75	ND		2.1	0.50
98-82-8	Cumene	120.19	ND		0.98	0.17
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	0.29
103-65-1	n-Propylbenzene	120.19	ND		0.98	0.19
622-96-8	4-Ethyltoluene	120.20	ND		0.98	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.98	0.19
95-49-8	2-Chlorotoluene	126.59	ND		1.0	0.22
98-06-6	tert-Butylbenzene	134.22	ND		1.1	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.98	0.22
135-98-8	sec-Butylbenzene	134.22	ND		1.1	0.19
99-87-6	4-Isopropyltoluene	134.22	ND		1.1	0.21
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.2	0.66
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.2	0.72

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.: _____
Client Sample ID: IA-06-021420 Lab Sample ID: 200-52685-4
Matrix: Air Lab File ID: 40108-21.D
Analysis Method: TO-15 Date Collected: 02/14/2020 10:50
Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 04:34
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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		1.0	0.44
104-51-8	n-Butylbenzene	134.22	ND		1.1	0.21
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	0.58
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3.7	1.6
87-68-3	Hexachlorobutadiene	260.76	ND		2.1	0.81
91-20-3	Naphthalene	128.17	ND		2.6	0.89

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D
 Lims ID: 200-52685-A-4
 Client ID: IA-06-021420
 Sample Type: Client
 Inject. Date: 21-Feb-2020 04:34:30 ALS Bottle#: 21 Worklist Smp#: 21
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0040108-021
 Misc. Info.: 52685-4
 Operator ID: ggg Instrument ID: CHC.i
 Method: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Feb-2020 08:11:32 Calib Date: 19-Feb-2020 02:47:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0326

First Level Reviewer: bunmaa

Date: 21-Feb-2020 17:30:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.005	3.008	-0.005	99	15365	0.3390	
3 Chlorodifluoromethane	51	3.048	3.051	-0.005	98	10463	0.3083	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.255				ND	MU
5 Chloromethane	50	3.368	3.371	-0.005	98	12823	0.7163	
6 Butane	43	3.565	3.568	-0.005	97	48164	1.45	
7 Vinyl chloride	62		3.602				ND	
8 Butadiene	54	3.672	3.675	-0.005	95	3512	0.2261	
10 Bromomethane	94		4.307				ND	
11 Chloroethane	64		4.531				ND	
13 Vinyl bromide	106		4.910				ND	
14 Trichlorofluoromethane	101	5.017	5.019	-0.005	98	8556	0.2070	
20 1,1,2-Trichloro-1,2,2-trif	101	6.079	6.081	-0.005	80	1789	0.0548	
21 1,1-Dichloroethene	96		6.100				ND	
22 Acetone	43	6.314	6.316	-0.005	100	363739	10.5	
23 Carbon disulfide	76	6.468	6.470	-0.006	99	24471	0.5047	
24 Isopropyl alcohol	45	6.661	6.662	-0.005	100	510512	13.0	
25 3-Chloro-1-propene	41		6.869				ND	U
27 Methylene Chloride	49	7.146	7.148	-0.005	95	3593	0.1429	
28 2-Methyl-2-propanol	59	7.445	7.430	0.011	96	34568	0.8732	
29 Methyl tert-butyl ether	73		7.600				ND	
31 trans-1,2-Dichloroethene	61		7.610				ND	
33 Hexane	57	8.032	8.022	0.005	68	4859	0.1574	M
34 1,1-Dichloroethane	63	8.448	8.454	-0.006	1	1075	0.0287	M
37 cis-1,2-Dichloroethene	96		9.553				ND	
38 2-Butanone (MEK)	72	9.596	9.596	-0.005	97	45457	4.66	
* 40 Chlorobromomethane	128	9.996	9.996	0.000	93	255897	20.0	
41 Tetrahydrofuran	42	10.066	10.040	0.022	91	10292	0.3026	M
42 Chloroform	83	10.140	10.145	-0.011	60	2942	0.0693	
S 30 1,2-Dichloroethene, Total	61		10.200				ND	
43 Cyclohexane	84	10.418	10.413	0.000	73	7577	0.2837	
44 1,1,1-Trichloroethane	97	10.418	10.413	0.000	93	17670	0.3944	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Carbon tetrachloride	117	10.669	10.680	-0.015	70	2501	0.0578	
47 Benzene	78	11.122	11.117	0.000	96	12577	0.1897	
46 Isooctane	57		11.149				ND	MU
48 1,2-Dichloroethane	62		11.282				ND	
49 n-Heptane	43	11.555	11.549	0.001	96	12925	0.2095	M
* 50 1,4-Difluorobenzene	114	11.965	11.971	-0.006	98	1385508	20.0	
53 Trichloroethene	95	12.440	12.435	0.000	46	727	0.0261	
54 1,2-Dichloropropane	63		12.958				ND	
55 Methyl methacrylate	69		13.182				ND	
56 1,4-Dioxane	88		13.230				ND	
58 Dichlorobromomethane	83		13.540				ND	
60 cis-1,3-Dichloropropene	75		14.495				ND	
61 4-Methyl-2-pentanone (MIBK)	43		14.799				ND	MU
65 Toluene	92	15.098	15.094	0.000	91	25711	0.5341	
66 trans-1,3-Dichloropropene	75		15.696				ND	
67 1,1,2-Trichloroethane	83		16.064				ND	
68 Tetrachloroethene	166	16.214	16.209	0.001	86	1175	0.0339	
69 2-Hexanone	43		16.539				ND	
71 Chlorodibromomethane	129		16.833				ND	
72 Ethylene Dibromide	107		17.083				ND	
* 74 Chlorobenzene-d5	117	18.002	18.007	-0.005	94	1365764	20.0	
75 Chlorobenzene	112		18.065				ND	
76 Ethylbenzene	91	18.231	18.231	-0.005	98	10999	0.0993	
78 m-Xylene & p-Xylene	106	18.487	18.482	0.000	0	14037	0.3577	
79 o-Xylene	106	19.325	19.319	0.000	95	3710	0.0988	
80 Styrene	104	19.373	19.367	0.000	81	1647	0.0273	M
81 Bromoform	173		19.800				ND	
82 Isopropylbenzene	105	20.056	20.050	0.000	1	1436	0.0124	M
S 73 Xylenes, Total	106				0		0.4565	
84 1,1,2,2-Tetrachloroethane	83		20.739				ND	
85 N-Propylbenzene	91	20.830	20.824	0.000	43	2224	0.0148	M
89 2-Chlorotoluene	91		21.027				ND	
88 4-Ethyltoluene	105	21.033	21.021	0.006	1	1064	0.008943	7a
90 1,3,5-Trimethylbenzene	105		21.145				ND	
92 tert-Butylbenzene	119		21.652				ND	
93 1,2,4-Trimethylbenzene	105	21.753	21.747	0.000	65	3520	0.0359	
94 sec-Butylbenzene	105		21.993				ND	U
95 4-Isopropyltoluene	119	22.202	22.200	-0.005	95	4379	0.0368	M
96 1,3-Dichlorobenzene	146		22.217				ND	
97 1,4-Dichlorobenzene	146		22.362				ND	
98 Benzyl chloride	91		22.548				ND	
100 n-Butylbenzene	91		22.783				ND	
101 1,2-Dichlorobenzene	146		22.879				ND	
103 1,2,4-Trichlorobenzene	180		25.254				ND	
104 Hexachlorobutadiene	225		25.457				ND	
105 Naphthalene	128	25.687	25.679	0.001	98	10974	0.0901	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 21-Feb-2020 08:12:08

Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D

Injection Date: 21-Feb-2020 04:34:30

Instrument ID: CHC.i

Operator ID: ggg

Lims ID: 200-52685-A-4

Lab Sample ID: 200-52685-4

Worklist Smp#: 21

Client ID: IA-06-021420

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

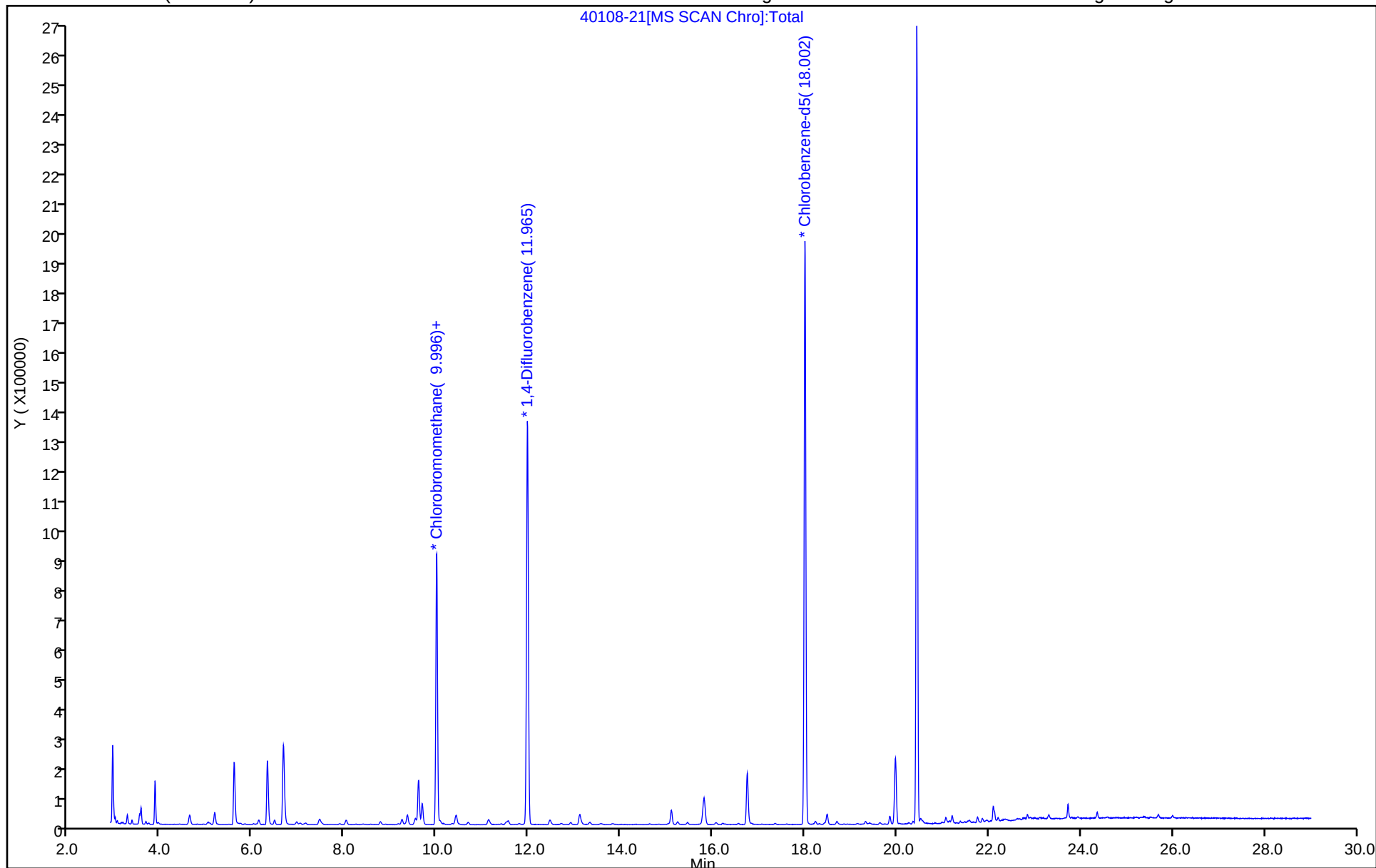
ALS Bottle#: 21

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D

Injection Date: 21-Feb-2020 04:34:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-4

Lab Sample ID: 200-52685-4

Client ID: IA-06-021420

Operator ID: ggg

ALS Bottle#: 21

Worklist Smp#: 21

Purge Vol: 200.000 mL

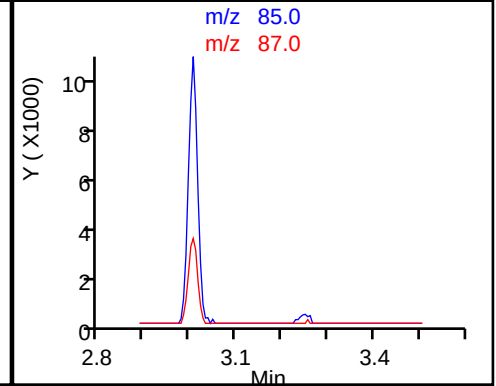
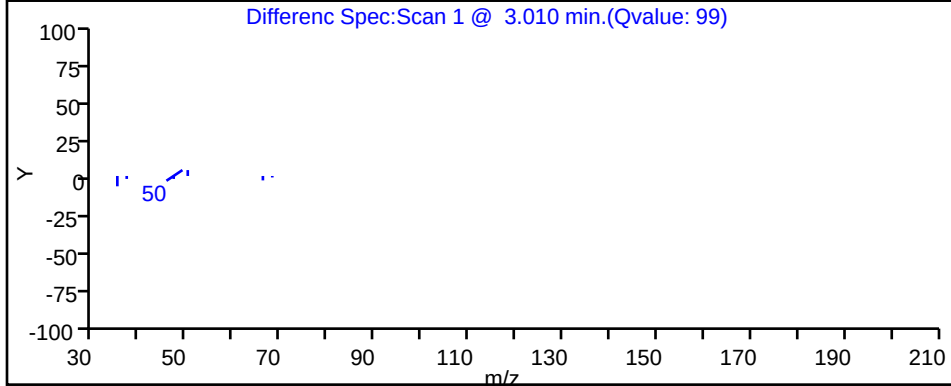
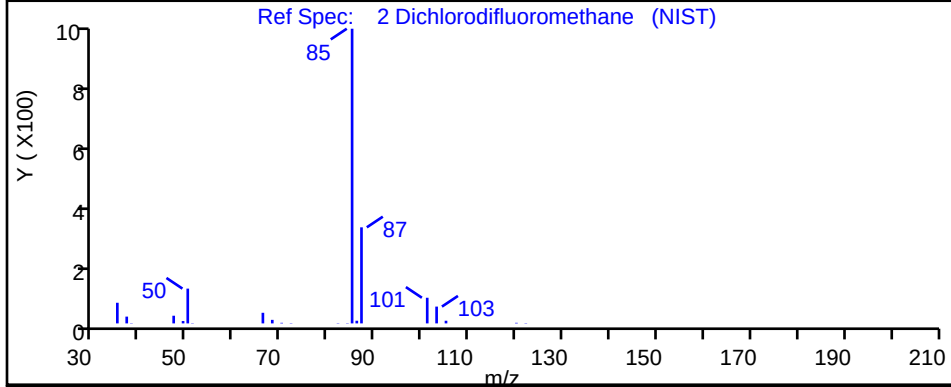
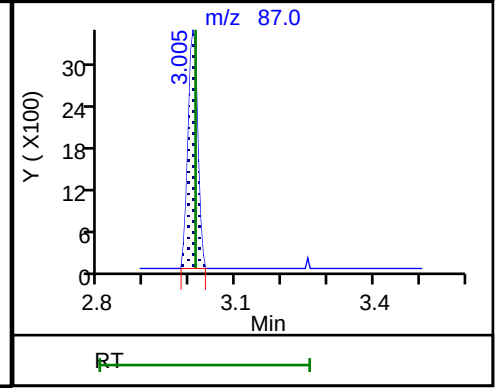
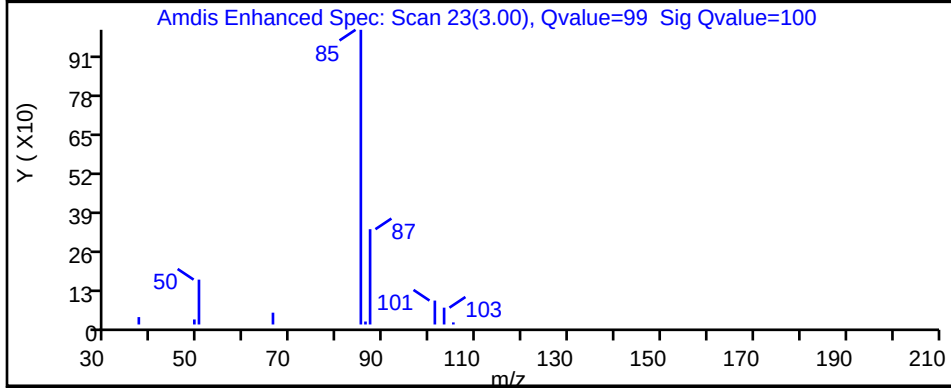
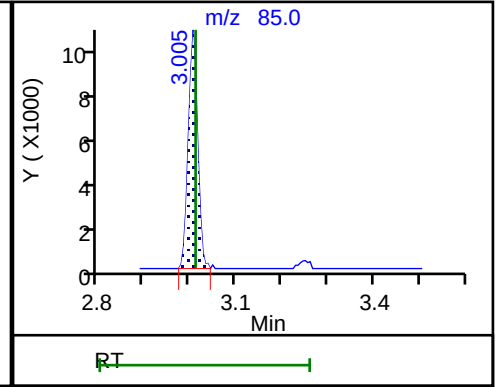
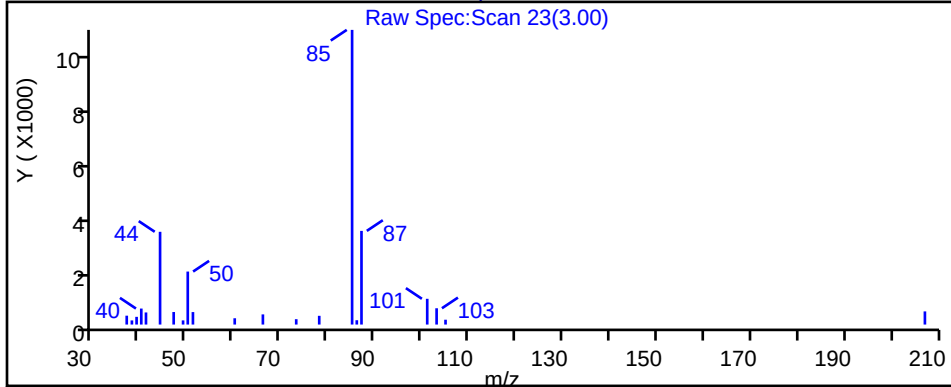
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D

Injection Date: 21-Feb-2020 04:34:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-4

Lab Sample ID: 200-52685-4

Client ID: IA-06-021420

Operator ID: ggg

ALS Bottle#: 21

Worklist Smp#: 21

Purge Vol: 200.000 mL

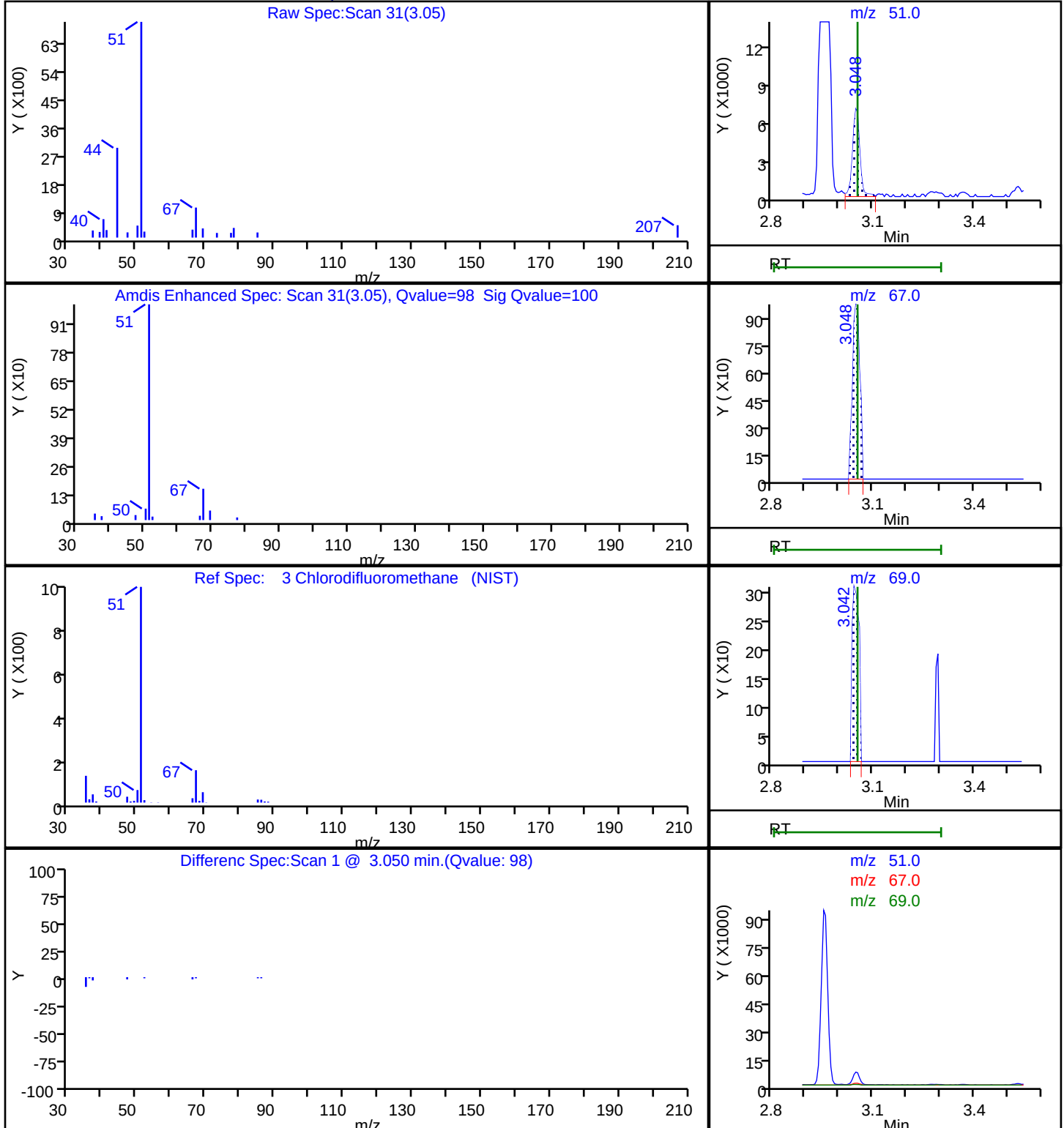
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

3 Chlorodifluoromethane, CAS: 75-45-6

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D

Injection Date: 21-Feb-2020 04:34:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-4

Lab Sample ID: 200-52685-4

Client ID: IA-06-021420

Operator ID: ggg

ALS Bottle#: 21

Worklist Smp#: 21

Purge Vol: 200.000 mL

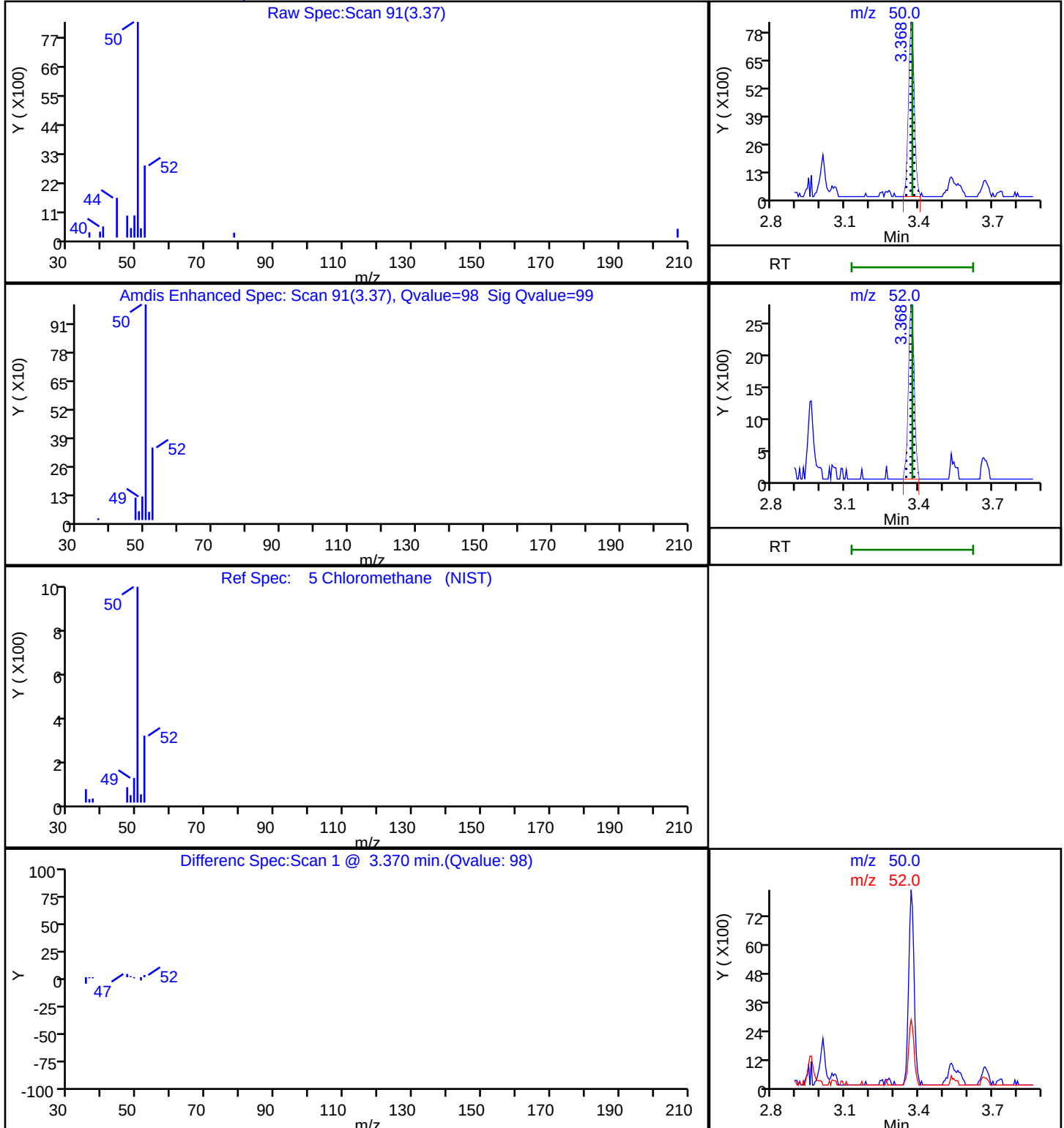
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

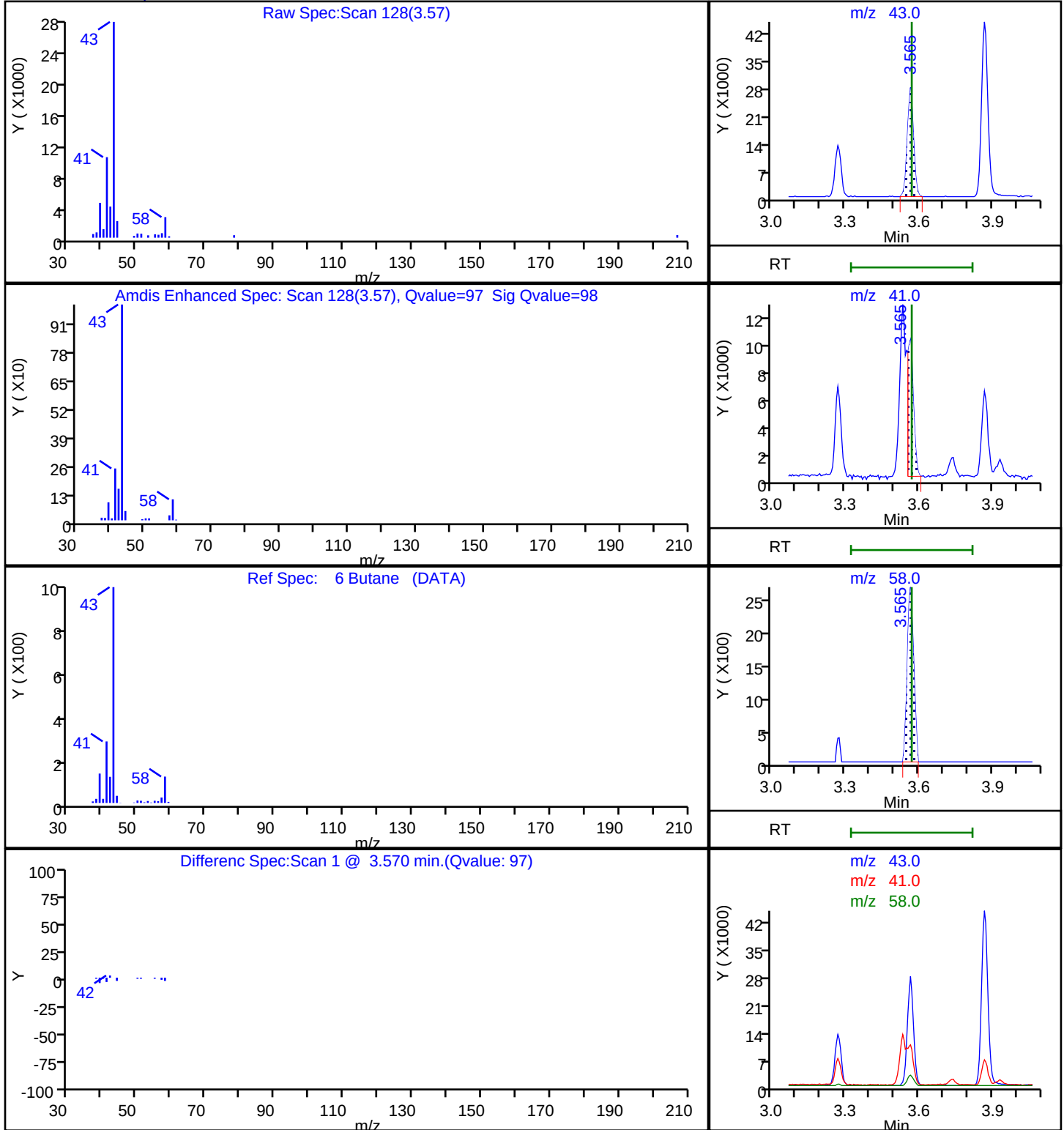
Column: RTX-624 (0.32 mm)

Detector: MS SCAN

5 Chloromethane, CAS: 74-87-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D
Injection Date: 21-Feb-2020 04:34:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-4 Lab Sample ID: 200-52685-4
Client ID: IA-06-021420
Operator ID: ggg ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

6 Butane, CAS: 106-97-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D

Injection Date: 21-Feb-2020 04:34:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-4

Lab Sample ID: 200-52685-4

Client ID: IA-06-021420

Operator ID: ggg

ALS Bottle#: 21

Worklist Smp#: 21

Purge Vol: 200.000 mL

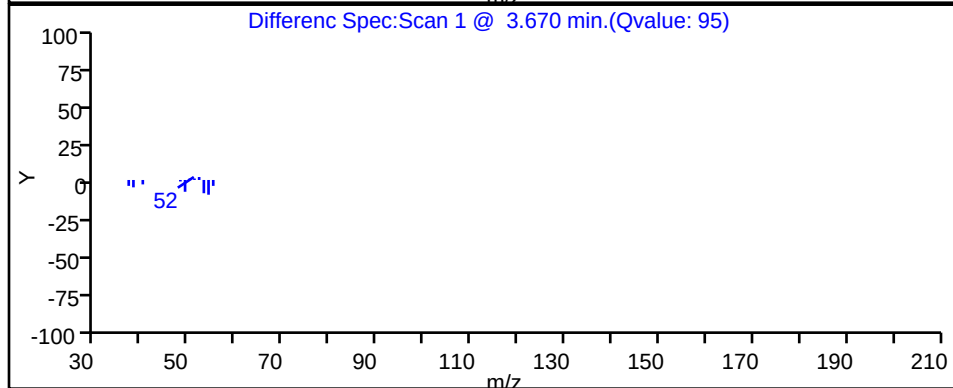
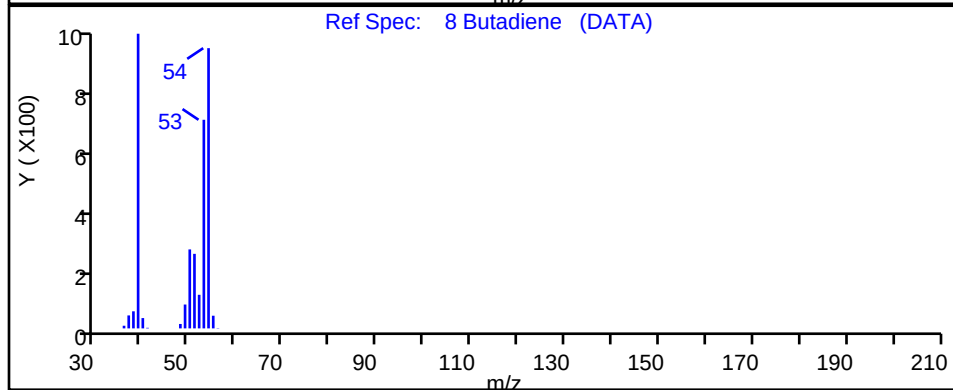
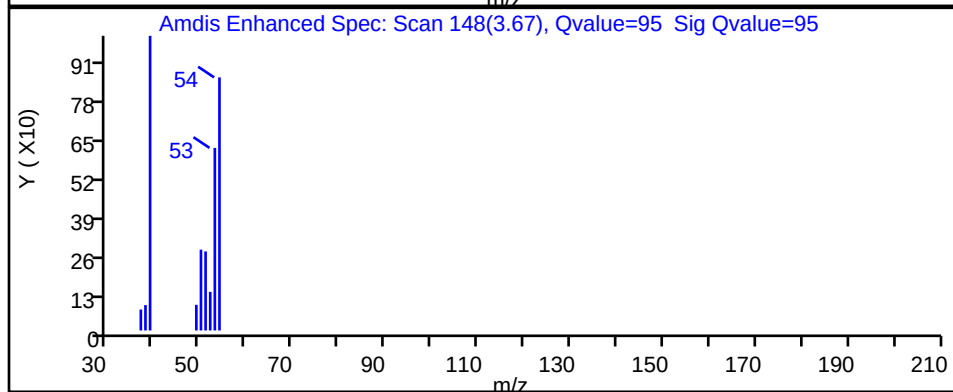
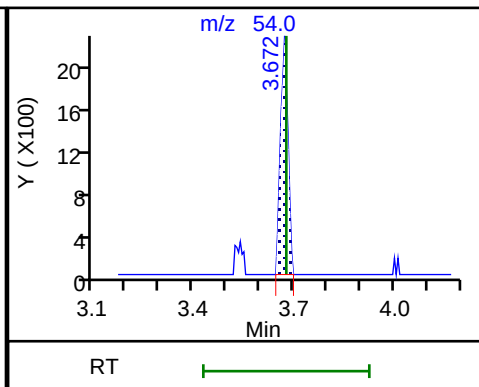
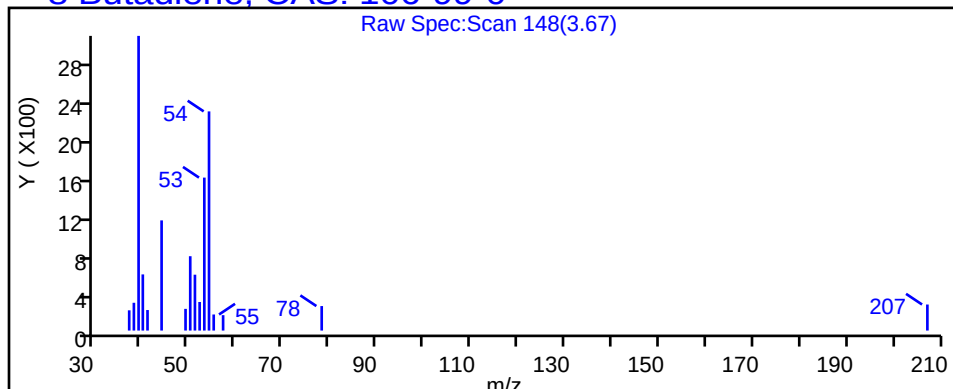
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

8 Butadiene, CAS: 106-99-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D

Injection Date: 21-Feb-2020 04:34:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-4

Lab Sample ID: 200-52685-4

Client ID: IA-06-021420

Operator ID: ggg

ALS Bottle#: 21

Worklist Smp#: 21

Purge Vol: 200.000 mL

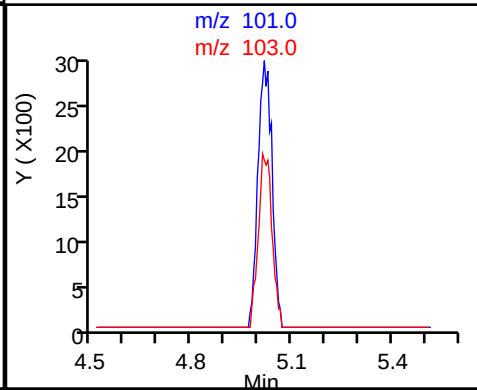
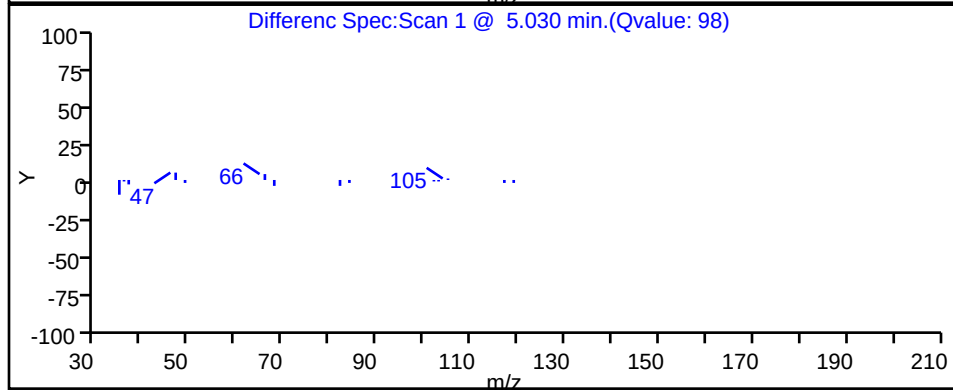
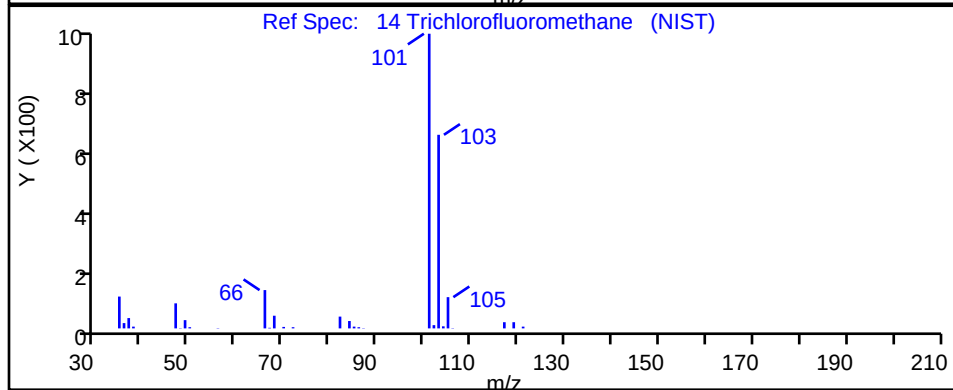
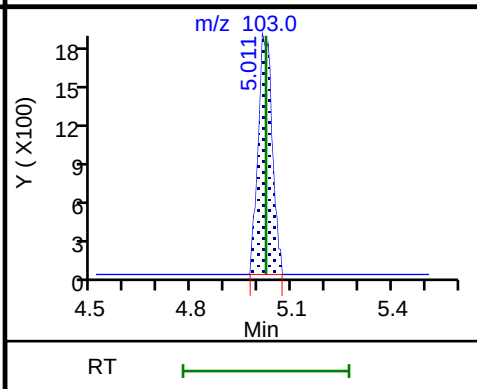
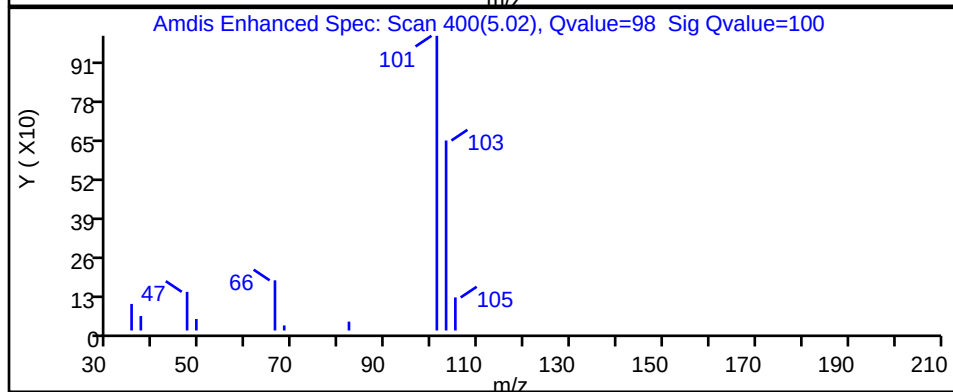
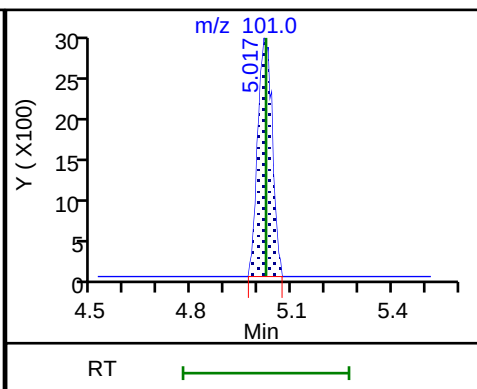
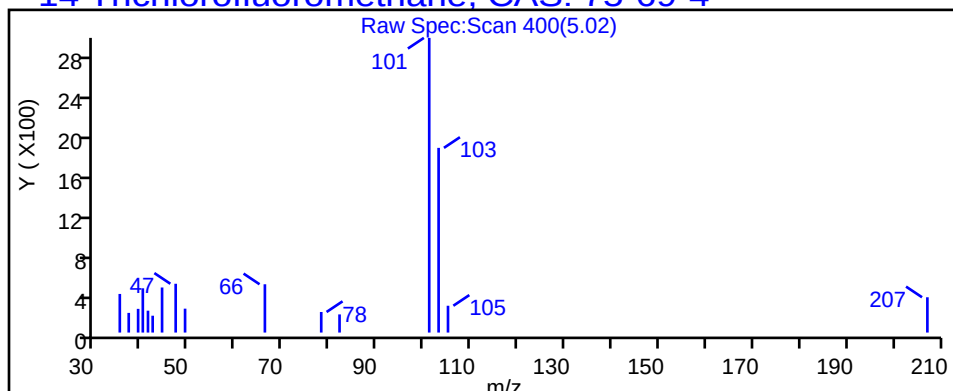
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

14 Trichlorofluoromethane, CAS: 75-69-4

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D

Injection Date: 21-Feb-2020 04:34:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-4

Lab Sample ID: 200-52685-4

Client ID: IA-06-021420

Operator ID: ggg

ALS Bottle#: 21

Worklist Smp#: 21

Purge Vol: 200.000 mL

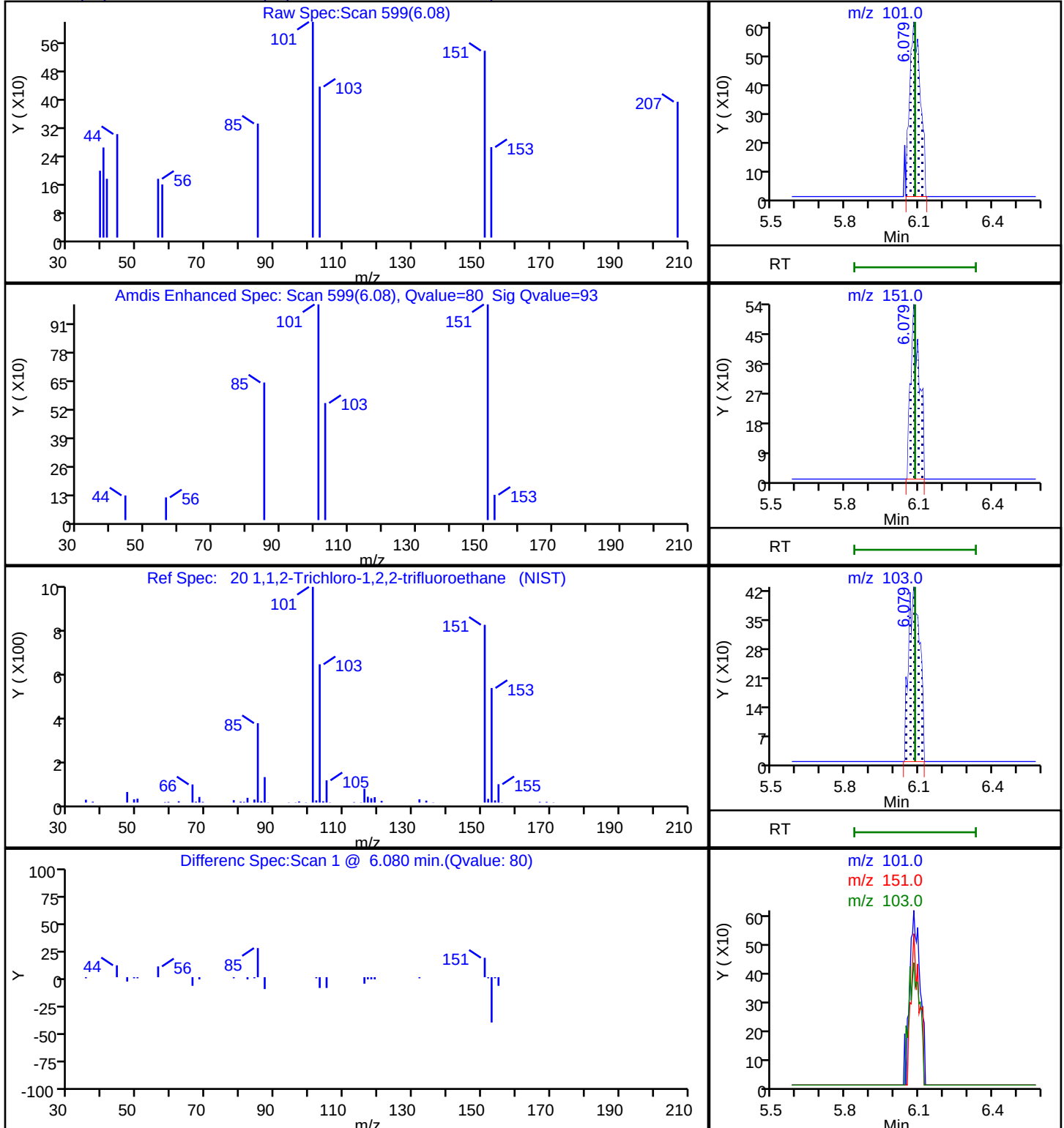
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D

Injection Date: 21-Feb-2020 04:34:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-4

Lab Sample ID: 200-52685-4

Client ID: IA-06-021420

Operator ID: ggg

ALS Bottle#: 21

Worklist Smp#: 21

Purge Vol: 200.000 mL

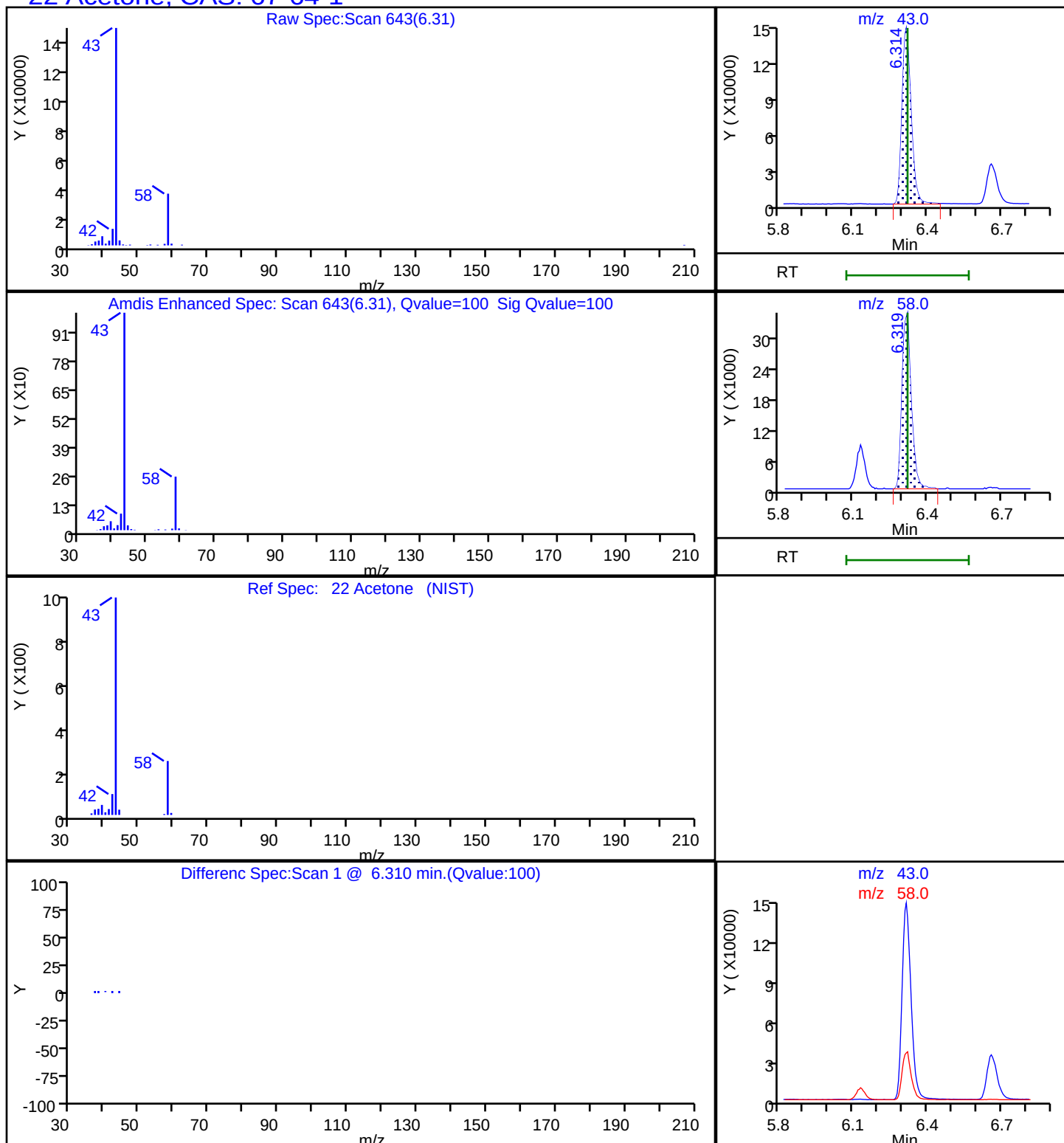
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

22 Acetone, CAS: 67-64-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D

Injection Date: 21-Feb-2020 04:34:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-4

Lab Sample ID: 200-52685-4

Client ID: IA-06-021420

Operator ID: ggg

ALS Bottle#: 21

Worklist Smp#: 21

Purge Vol: 200.000 mL

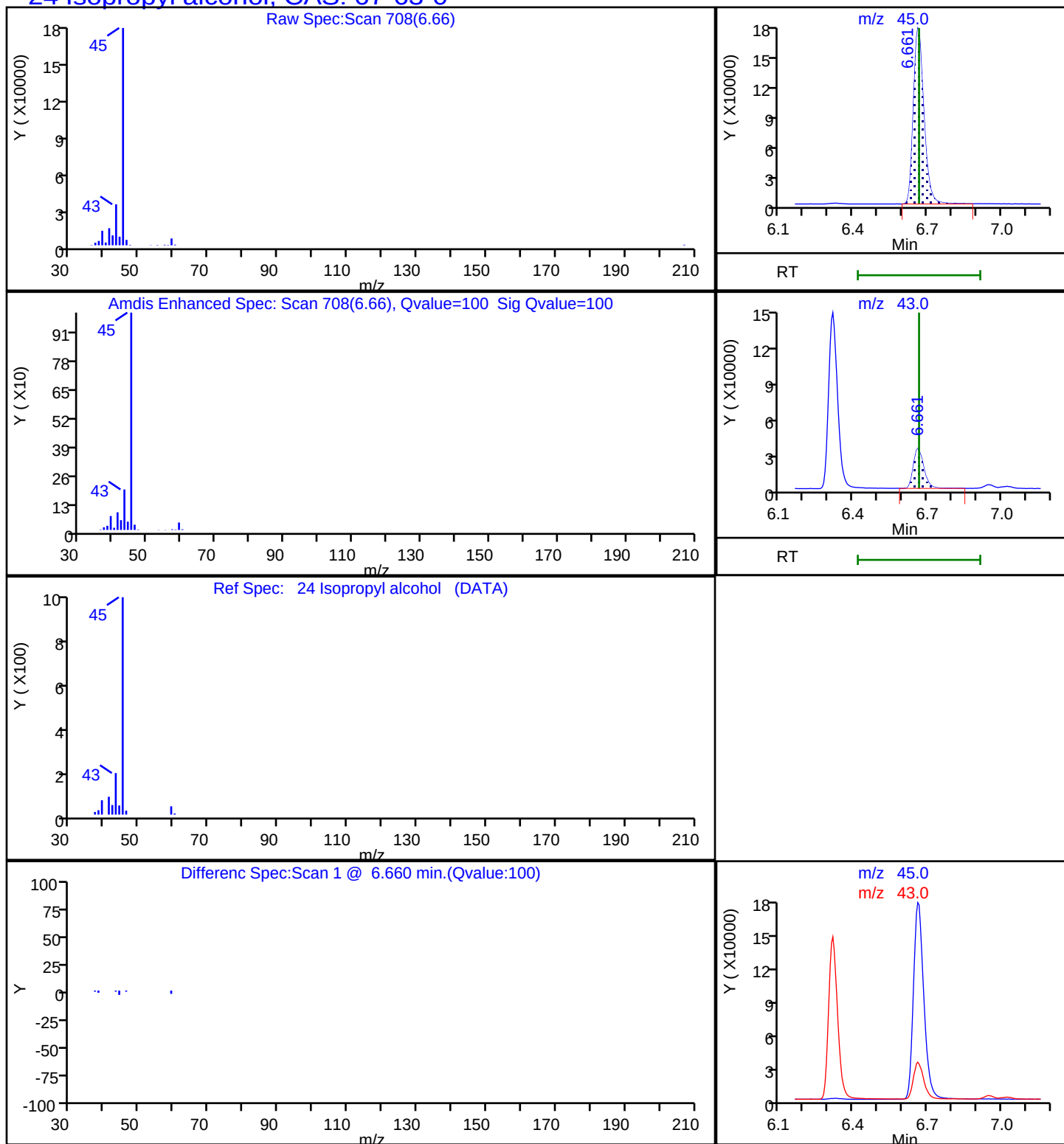
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D

Injection Date: 21-Feb-2020 04:34:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-4

Lab Sample ID: 200-52685-4

Client ID: IA-06-021420

Operator ID: ggg

ALS Bottle#: 21

Worklist Smp#: 21

Purge Vol: 200.000 mL

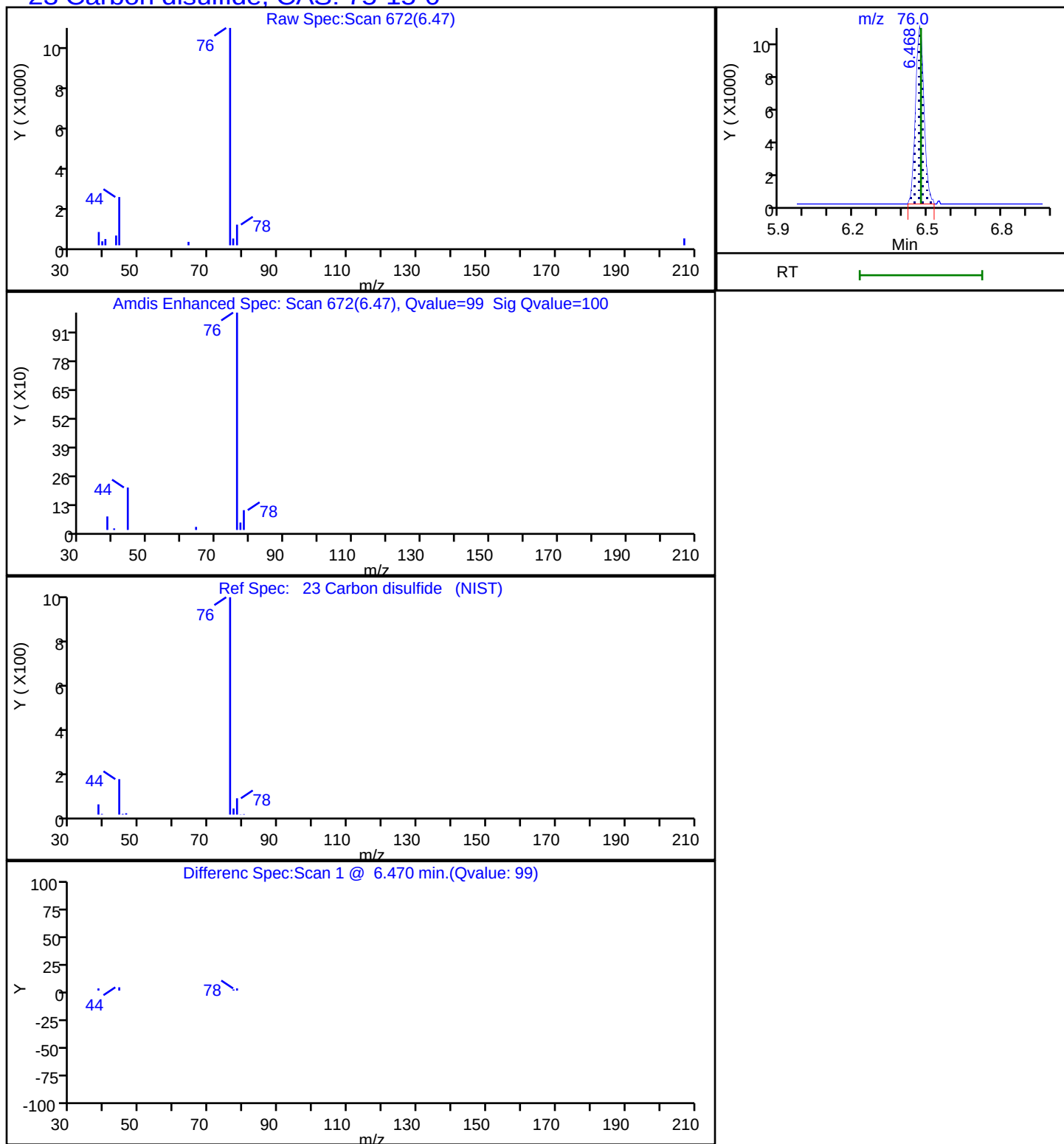
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

23 Carbon disulfide, CAS: 75-15-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D

Injection Date: 21-Feb-2020 04:34:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-4

Lab Sample ID: 200-52685-4

Client ID: IA-06-021420

Operator ID: ggg

ALS Bottle#: 21

Worklist Smp#: 21

Purge Vol: 200.000 mL

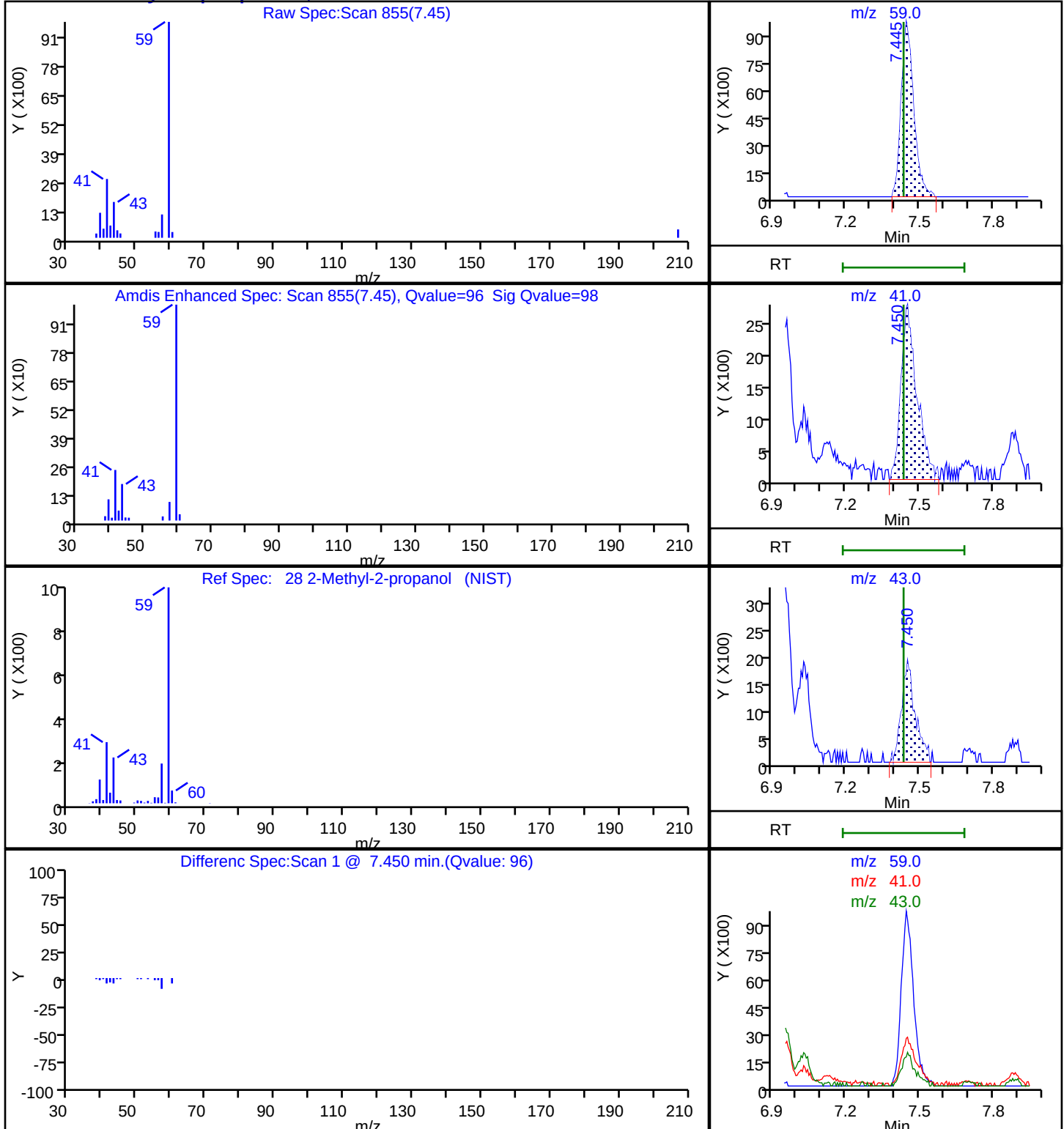
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D

Injection Date: 21-Feb-2020 04:34:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-4

Lab Sample ID: 200-52685-4

Client ID: IA-06-021420

Operator ID: ggg

ALS Bottle#: 21

Worklist Smp#: 21

Purge Vol: 200.000 mL

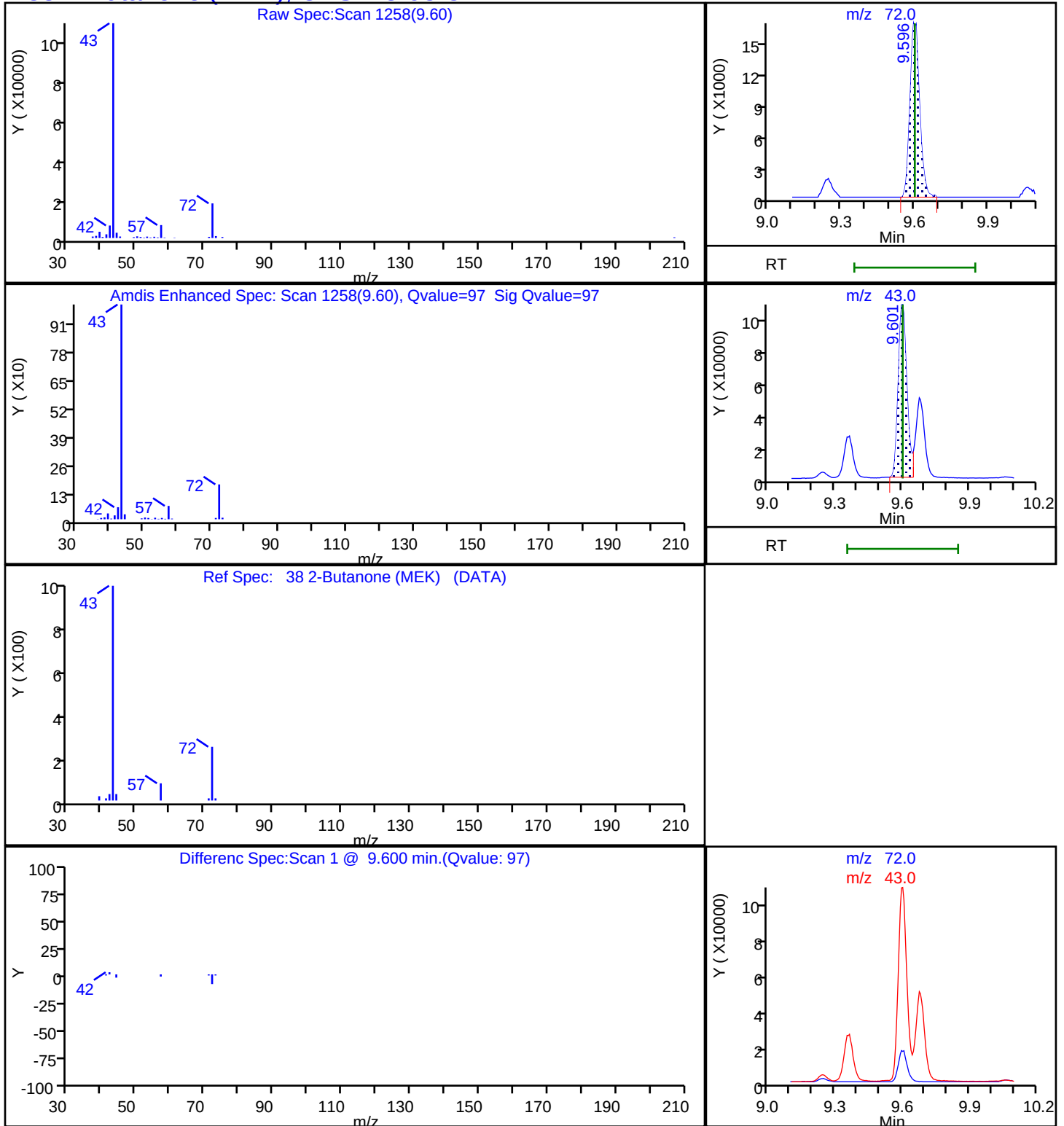
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

38 2-Butanone (MEK), CAS: 78-93-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D

Injection Date: 21-Feb-2020 04:34:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-4

Lab Sample ID: 200-52685-4

Client ID: IA-06-021420

Operator ID: ggg

ALS Bottle#: 21

Worklist Smp#: 21

Purge Vol: 200.000 mL

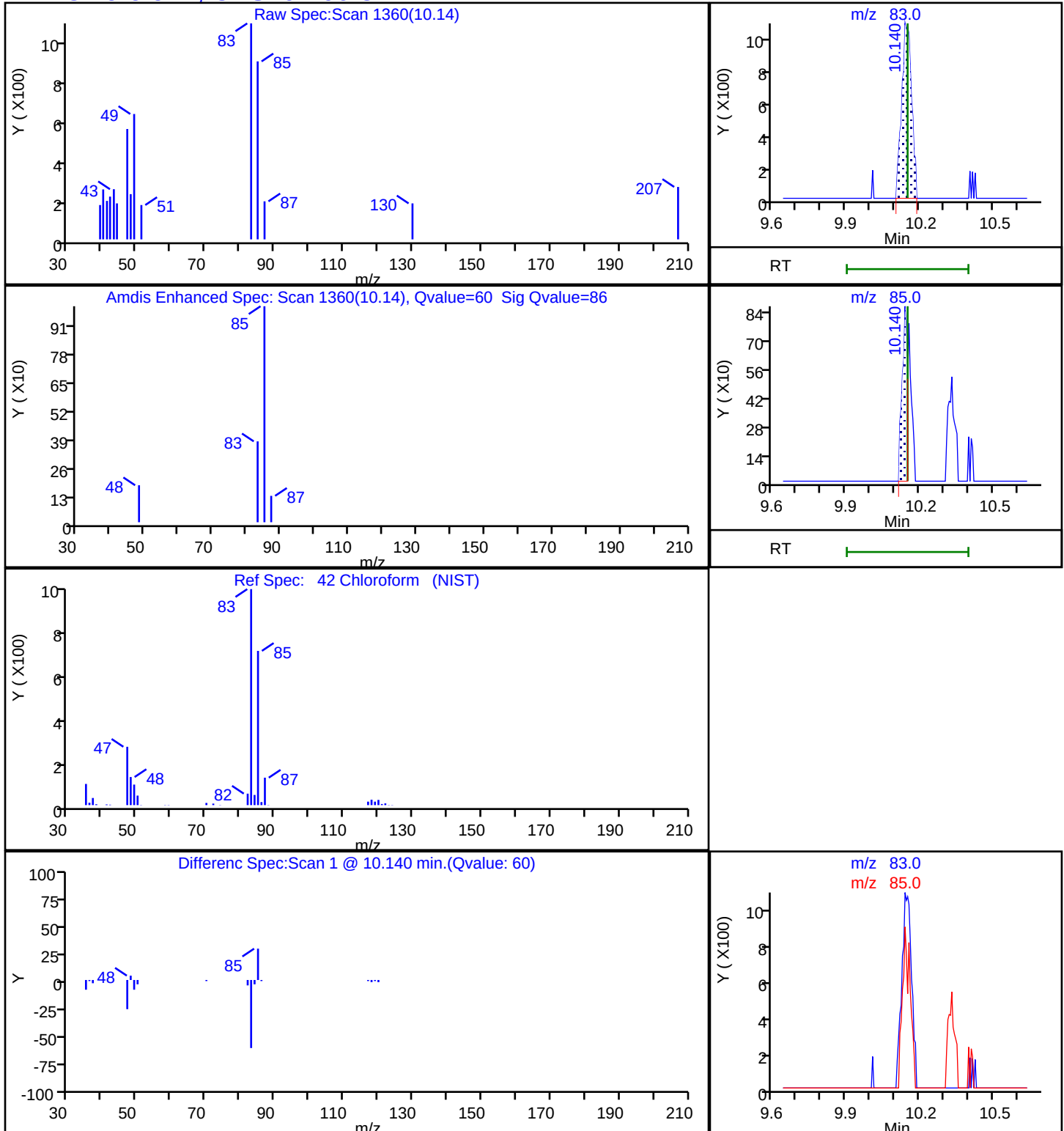
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

42 Chloroform, CAS: 67-66-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D

Injection Date: 21-Feb-2020 04:34:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-4

Lab Sample ID: 200-52685-4

Client ID: IA-06-021420

Operator ID: ggg

ALS Bottle#: 21

Worklist Smp#: 21

Purge Vol: 200.000 mL

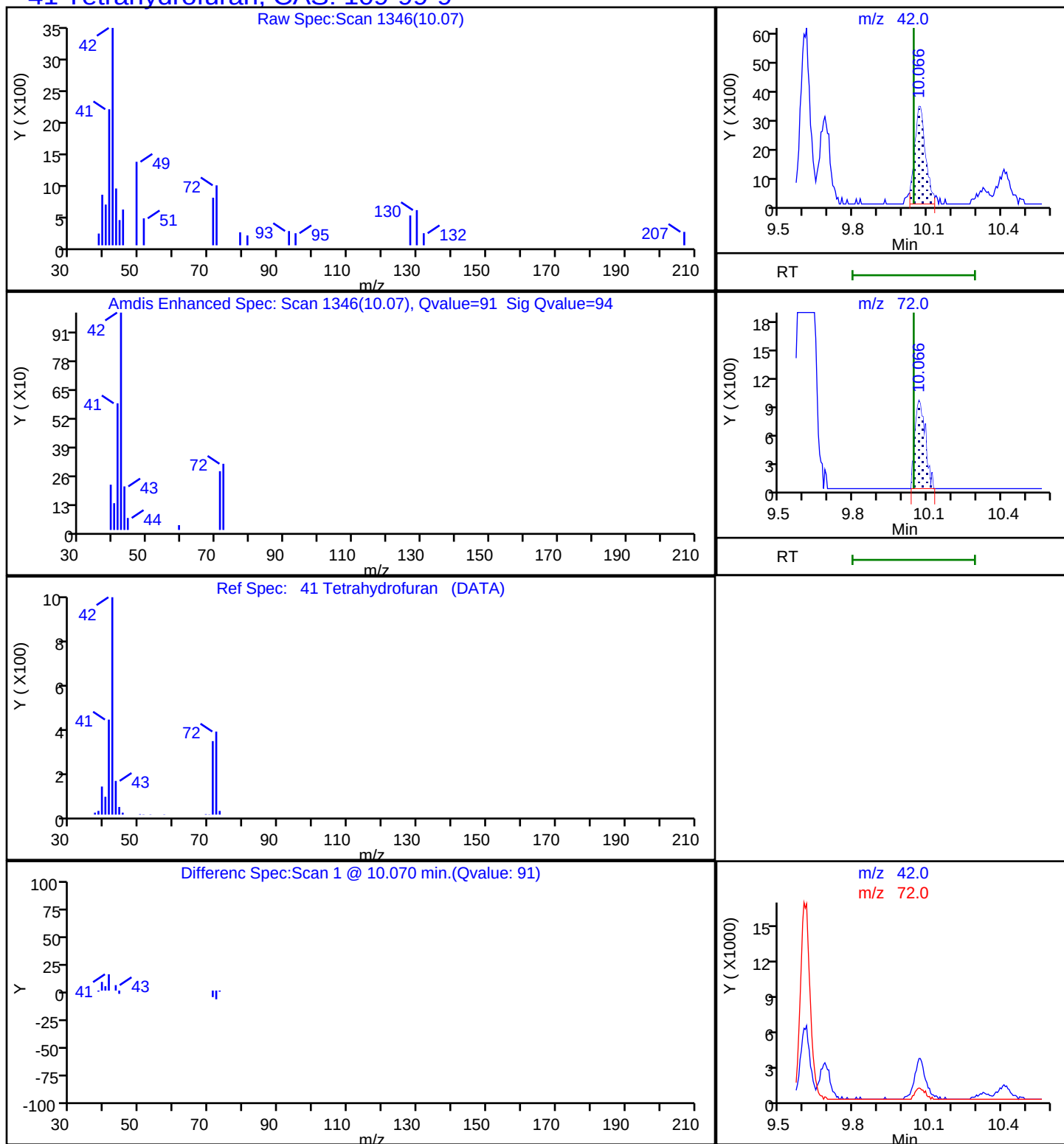
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

41 Tetrahydrofuran, CAS: 109-99-9

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D

Injection Date: 21-Feb-2020 04:34:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-4

Lab Sample ID: 200-52685-4

Client ID: IA-06-021420

Operator ID: ggg

ALS Bottle#: 21

Worklist Smp#: 21

Purge Vol: 200.000 mL

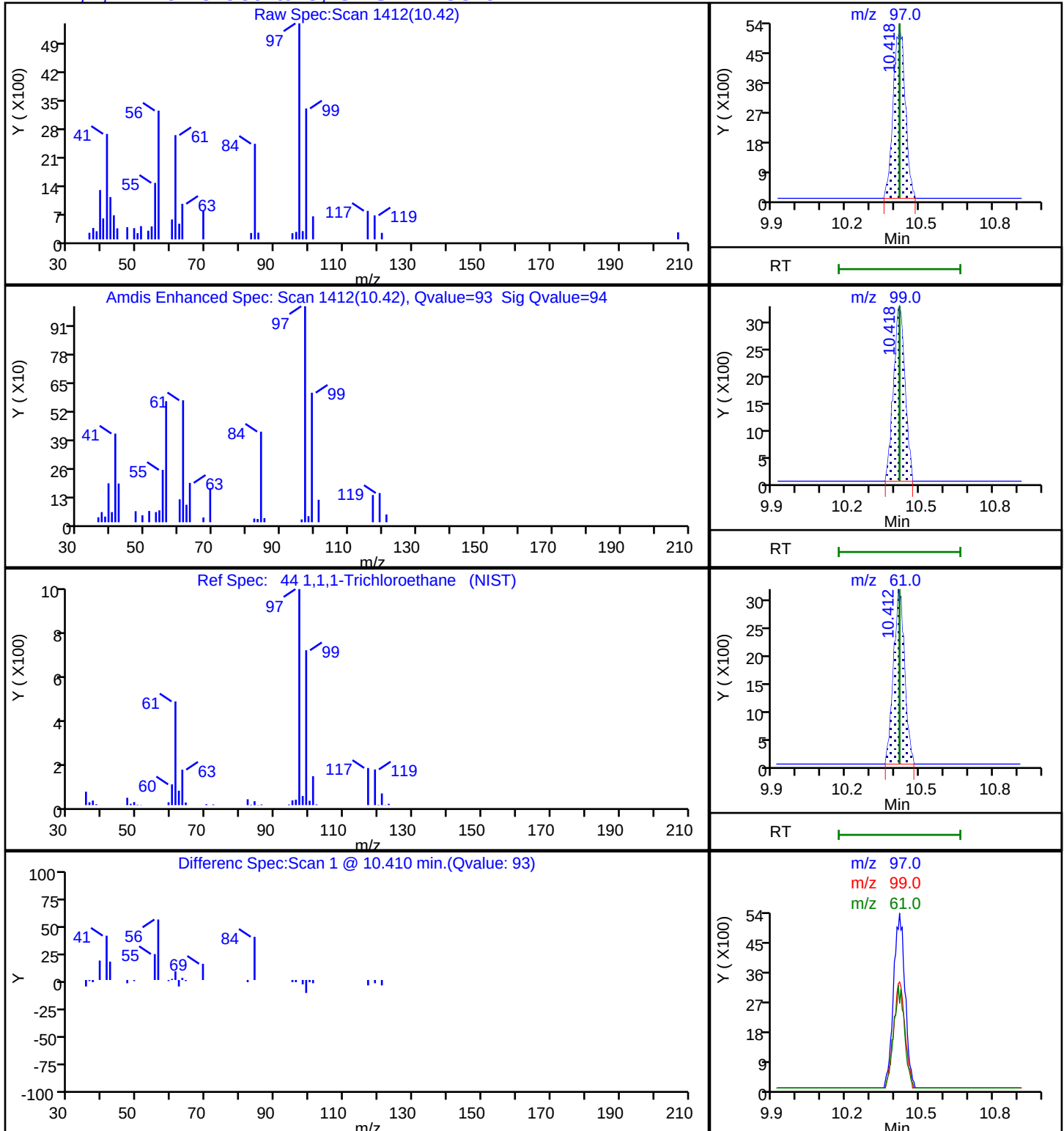
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

44 1,1,1-Trichloroethane, CAS: 71-55-6

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D

Injection Date: 21-Feb-2020 04:34:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-4

Lab Sample ID: 200-52685-4

Client ID: IA-06-021420

Operator ID: ggg

ALS Bottle#: 21

Worklist Smp#: 21

Purge Vol: 200.000 mL

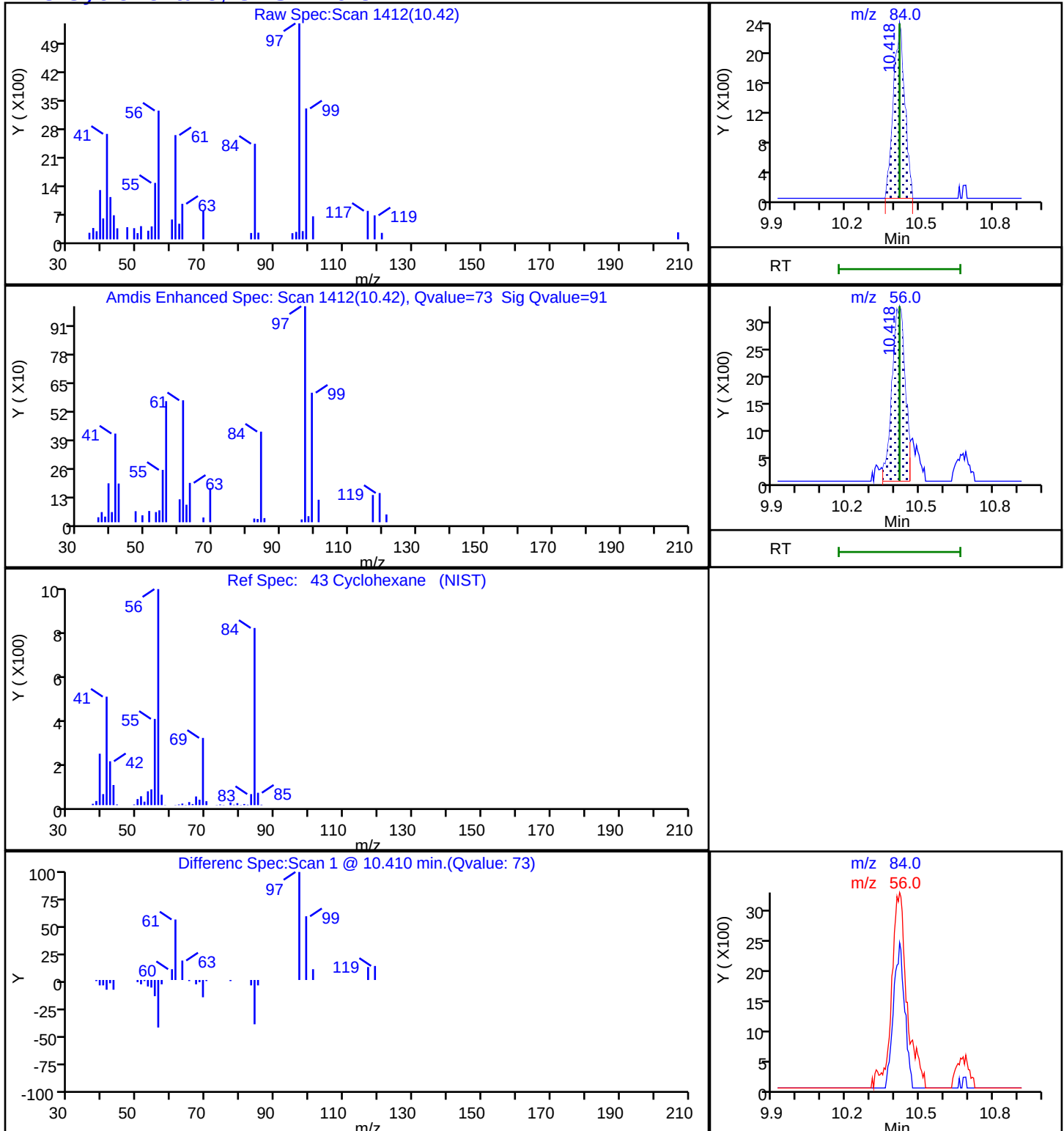
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Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D

Injection Date: 21-Feb-2020 04:34:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-4

Lab Sample ID: 200-52685-4

Client ID: IA-06-021420

Operator ID: ggg

ALS Bottle#: 21

Worklist Smp#: 21

Purge Vol: 200.000 mL

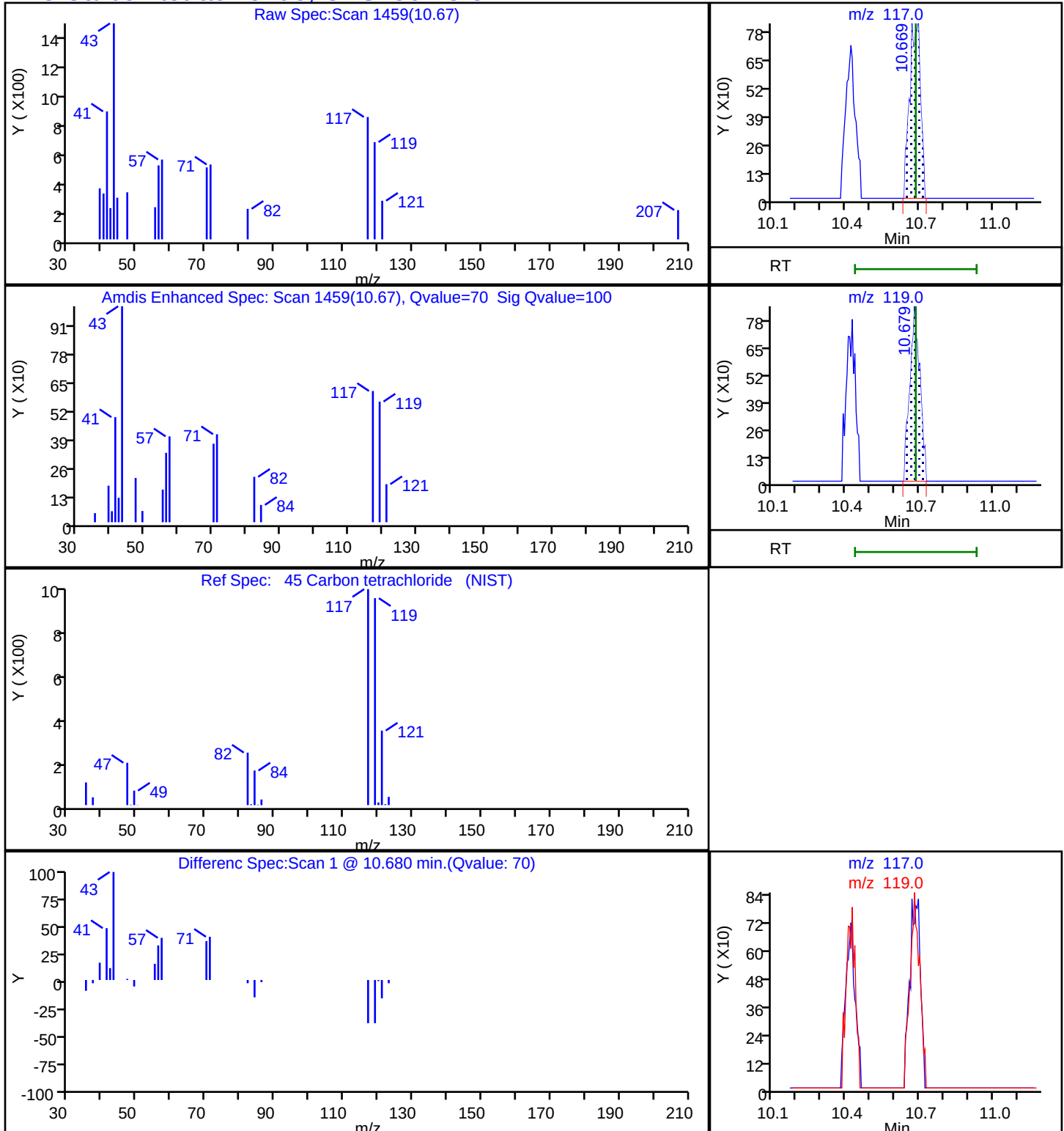
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

45 Carbon tetrachloride, CAS: 56-23-5

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D

Injection Date: 21-Feb-2020 04:34:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-4

Lab Sample ID: 200-52685-4

Client ID: IA-06-021420

Operator ID: ggg

ALS Bottle#: 21

Worklist Smp#: 21

Purge Vol: 200.000 mL

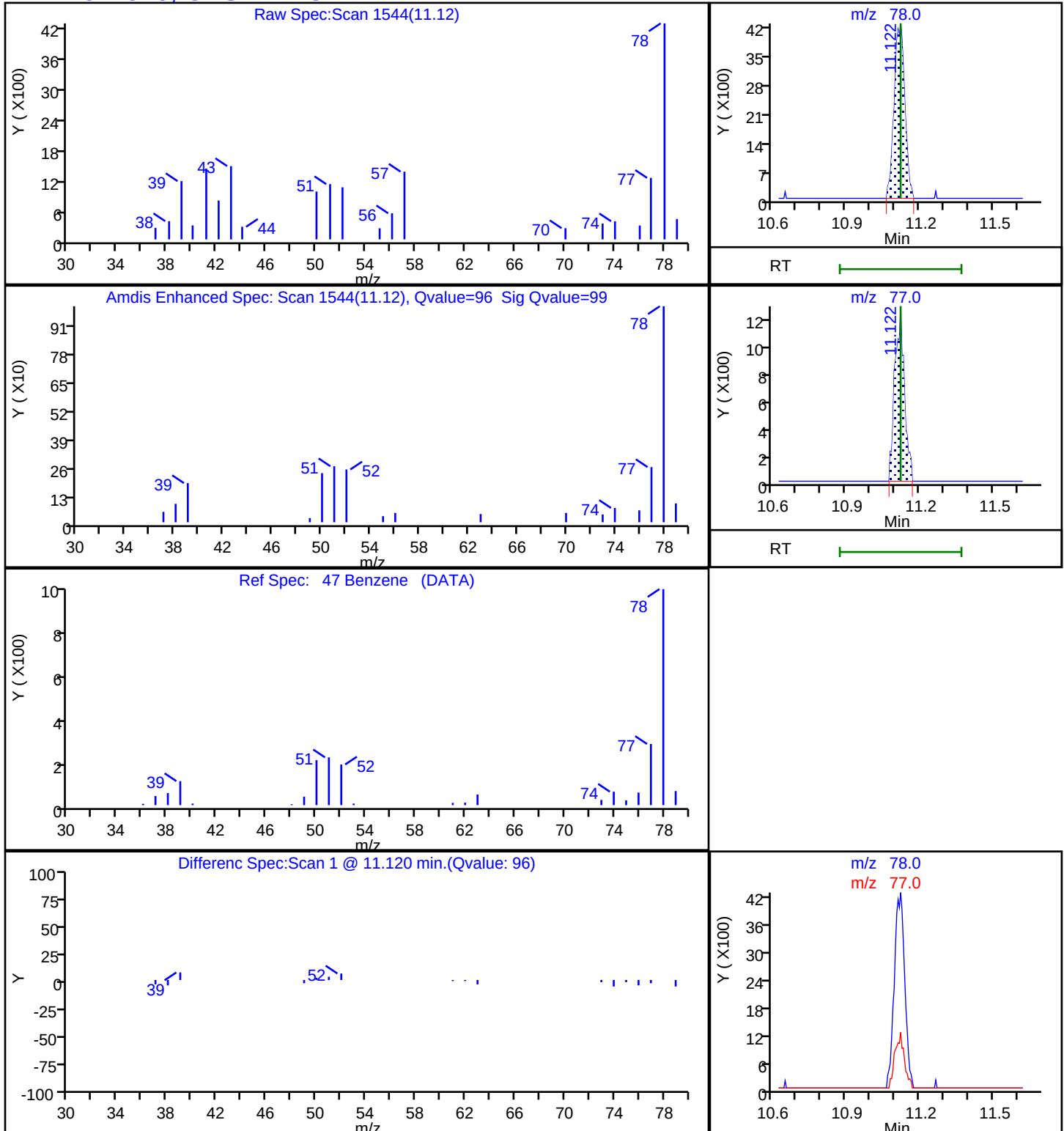
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

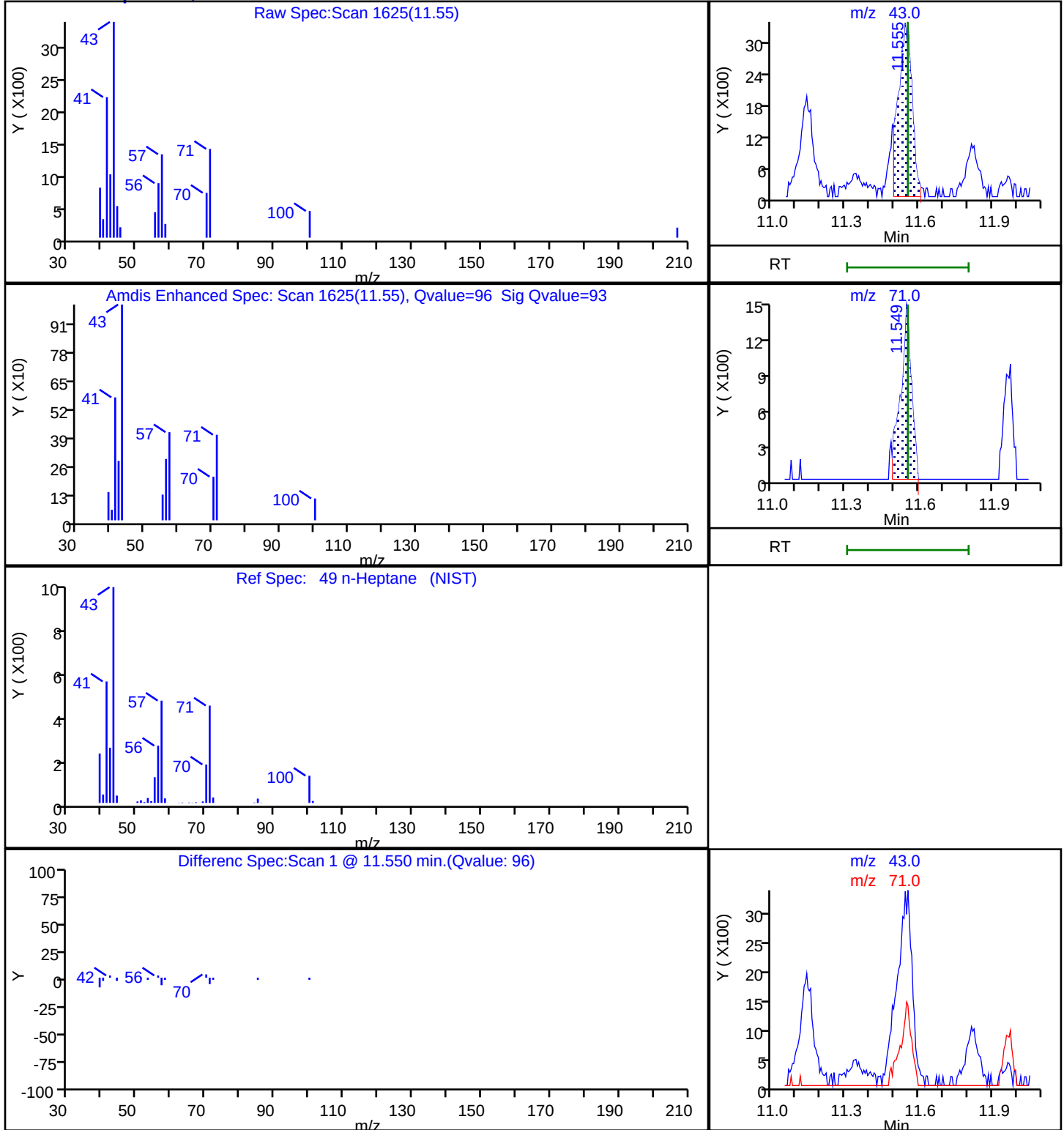
Column: RTX-624 (0.32 mm)

Detector: MS SCAN

47 Benzene, CAS: 71-43-2

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D
Injection Date: 21-Feb-2020 04:34:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-4 Lab Sample ID: 200-52685-4
Client ID: IA-06-021420
Operator ID: ggg ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

49 n-Heptane, CAS: 142-82-5

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D

Injection Date: 21-Feb-2020 04:34:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-4

Lab Sample ID: 200-52685-4

Client ID: IA-06-021420

Operator ID: ggg

ALS Bottle#: 21

Worklist Smp#: 21

Purge Vol: 200.000 mL

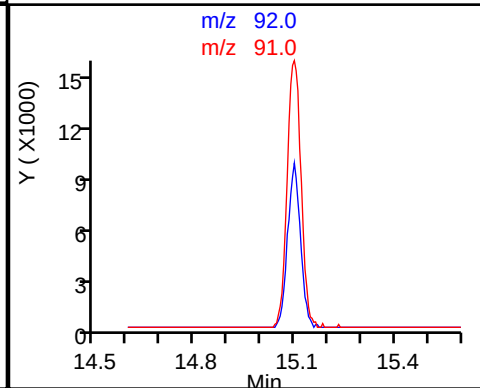
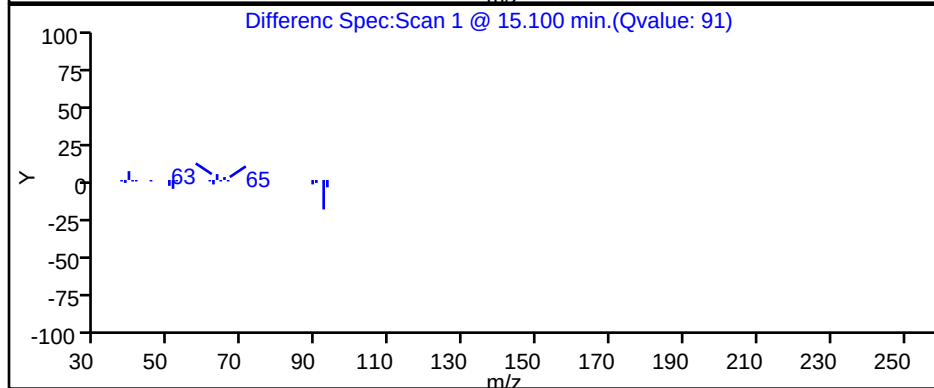
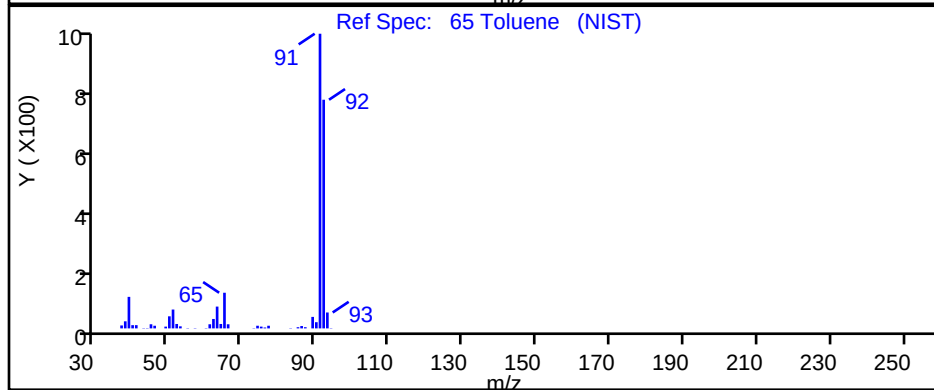
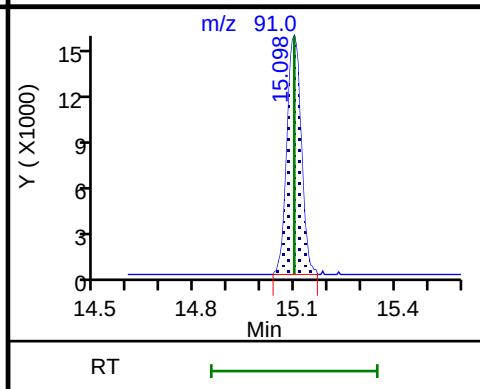
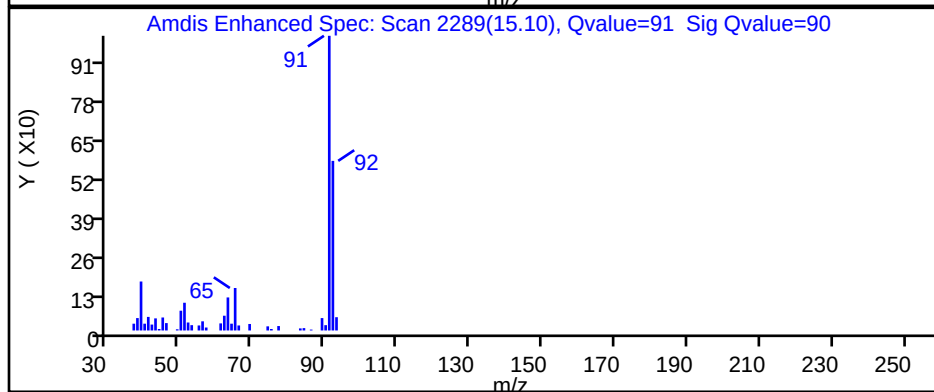
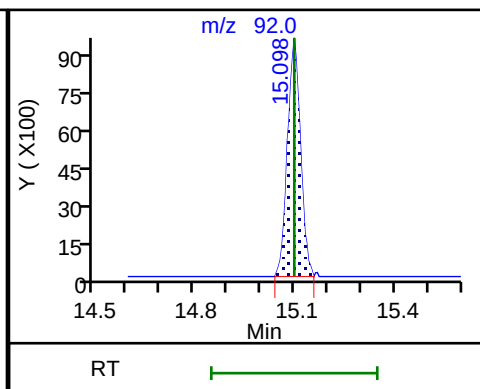
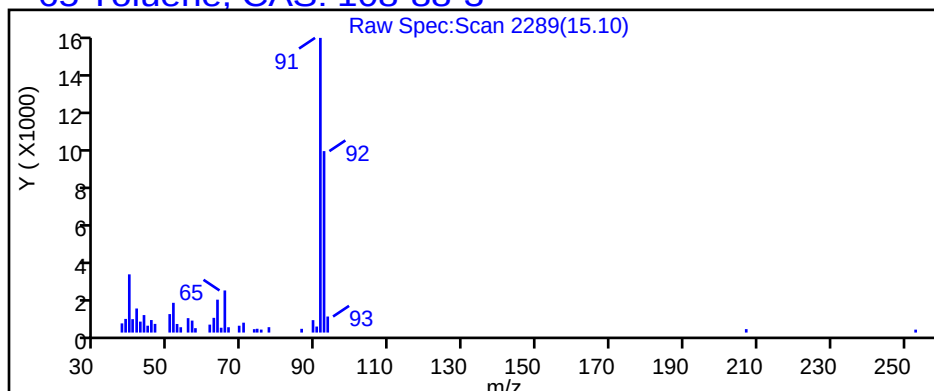
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

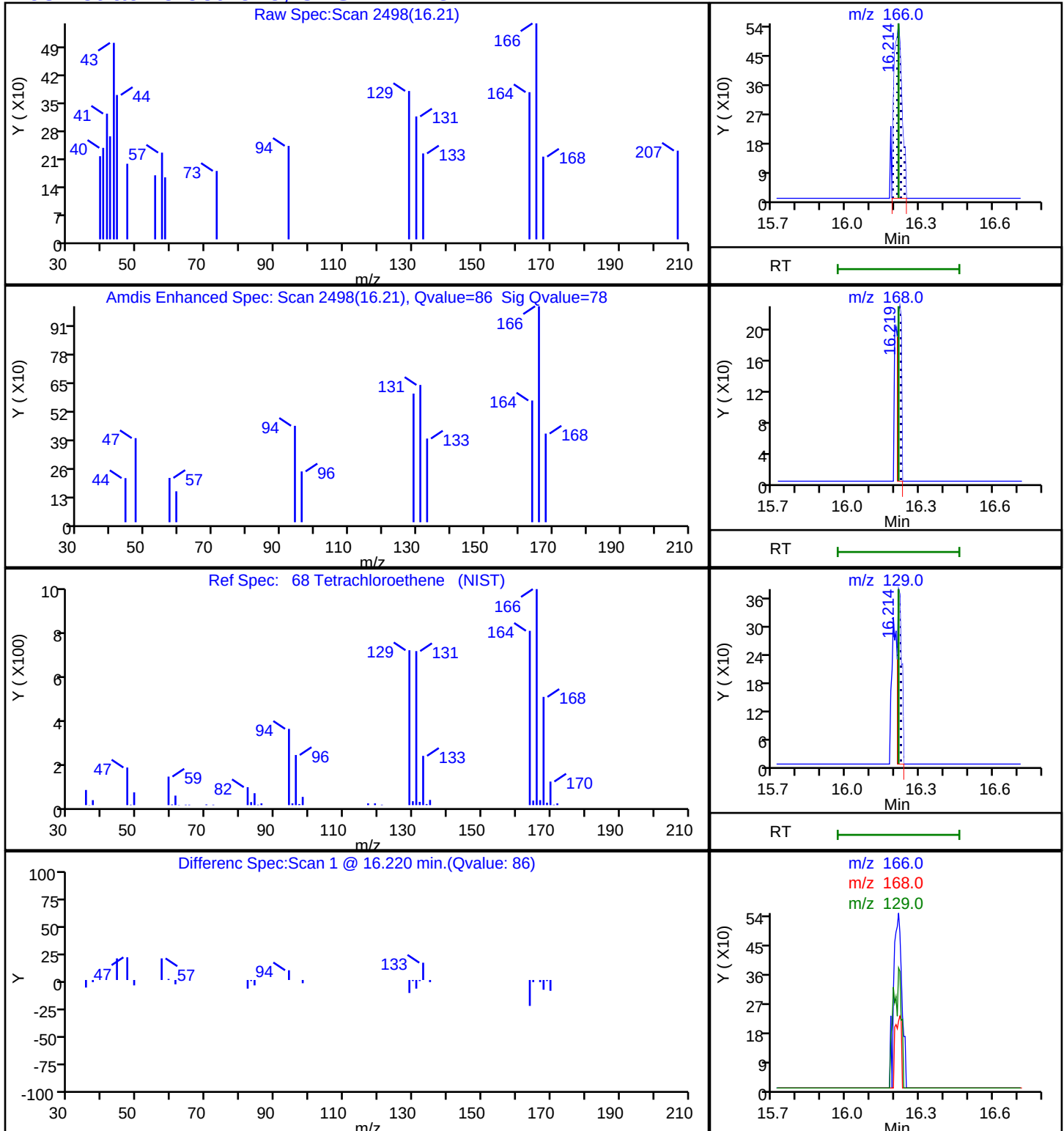
Column: RTX-624 (0.32 mm)

Detector: MS SCAN

65 Toluene, CAS: 108-88-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D
Injection Date: 21-Feb-2020 04:34:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-4 Lab Sample ID: 200-52685-4
Client ID: IA-06-021420
Operator ID: ggg ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

68 Tetrachloroethene, CAS: 127-18-4

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D

Injection Date: 21-Feb-2020 04:34:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-4

Lab Sample ID: 200-52685-4

Client ID: IA-06-021420

Operator ID: ggg

ALS Bottle#: 21

Worklist Smp#: 21

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

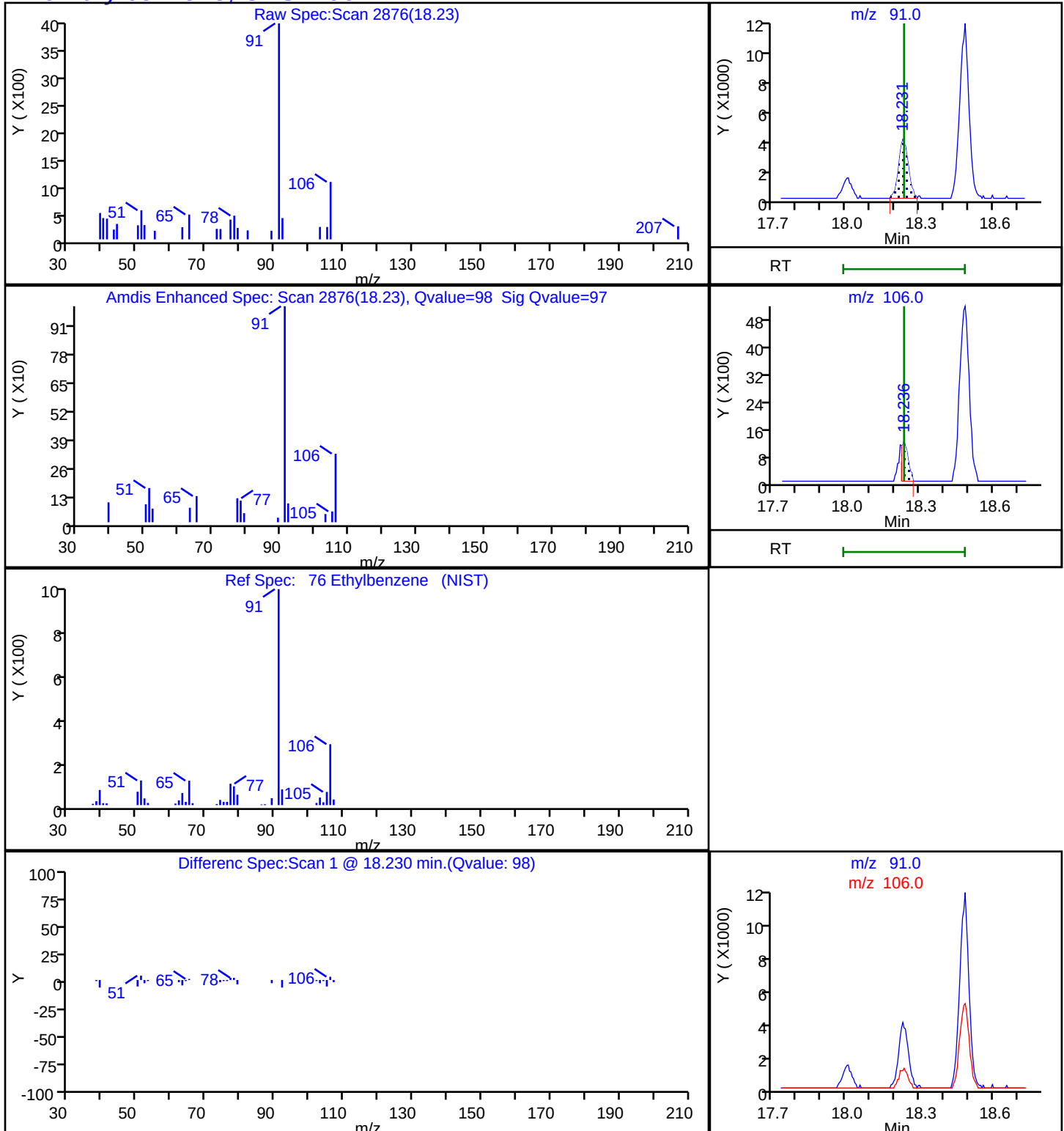
Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 Ethylbenzene, CAS: 100-41-4



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D

Injection Date: 21-Feb-2020 04:34:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-4

Lab Sample ID: 200-52685-4

Client ID: IA-06-021420

Operator ID: ggg

ALS Bottle#: 21

Worklist Smp#: 21

Purge Vol: 200.000 mL

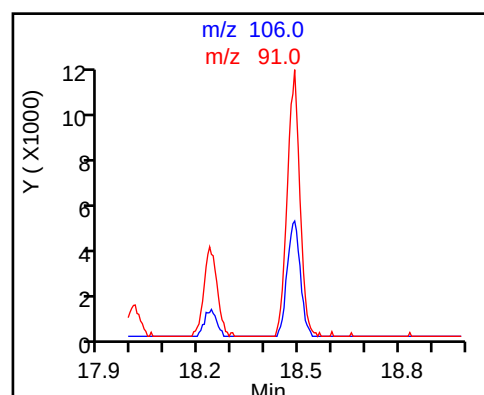
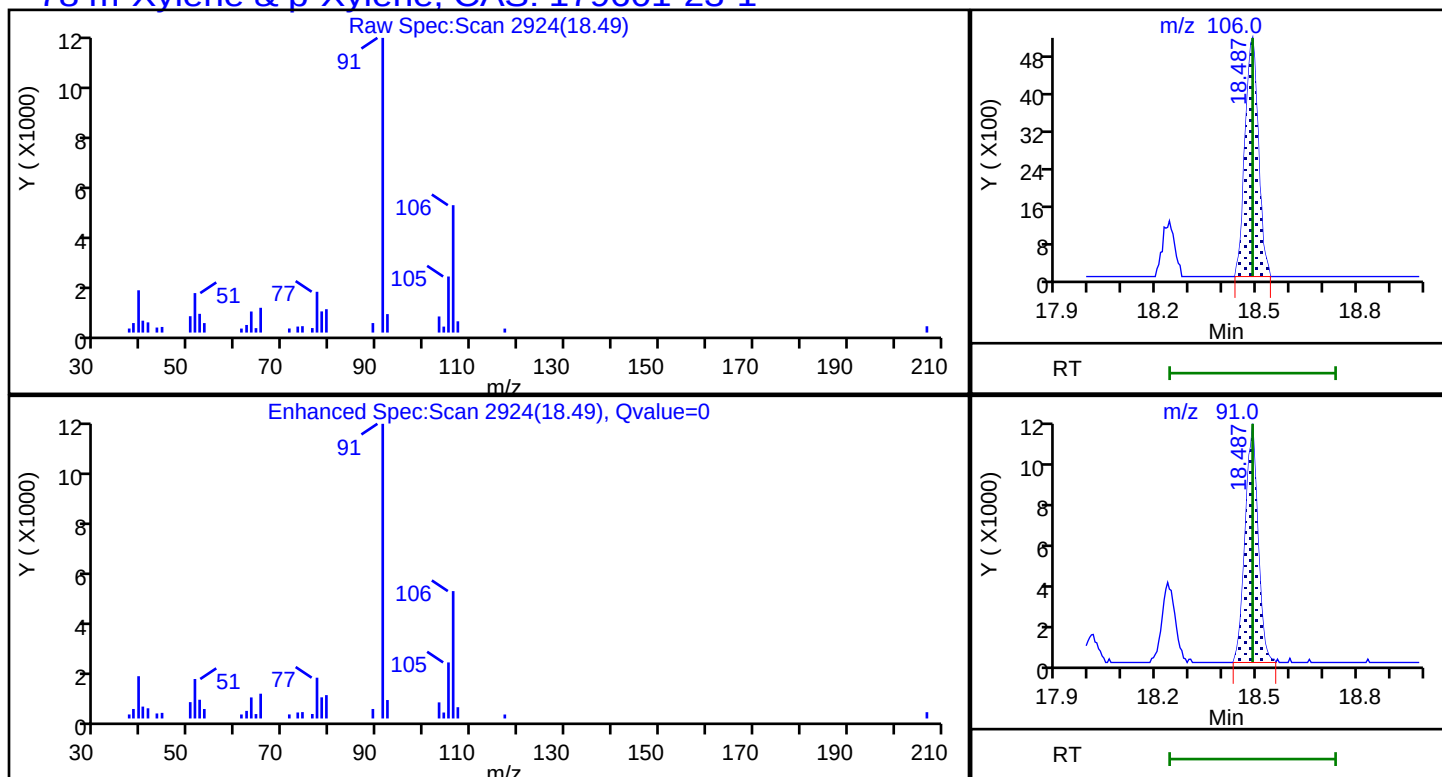
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

78 m-Xylene & p-Xylene, CAS: 179601-23-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D

Injection Date: 21-Feb-2020 04:34:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-4

Lab Sample ID: 200-52685-4

Client ID: IA-06-021420

Operator ID: ggg

ALS Bottle#: 21

Worklist Smp#: 21

Purge Vol: 200.000 mL

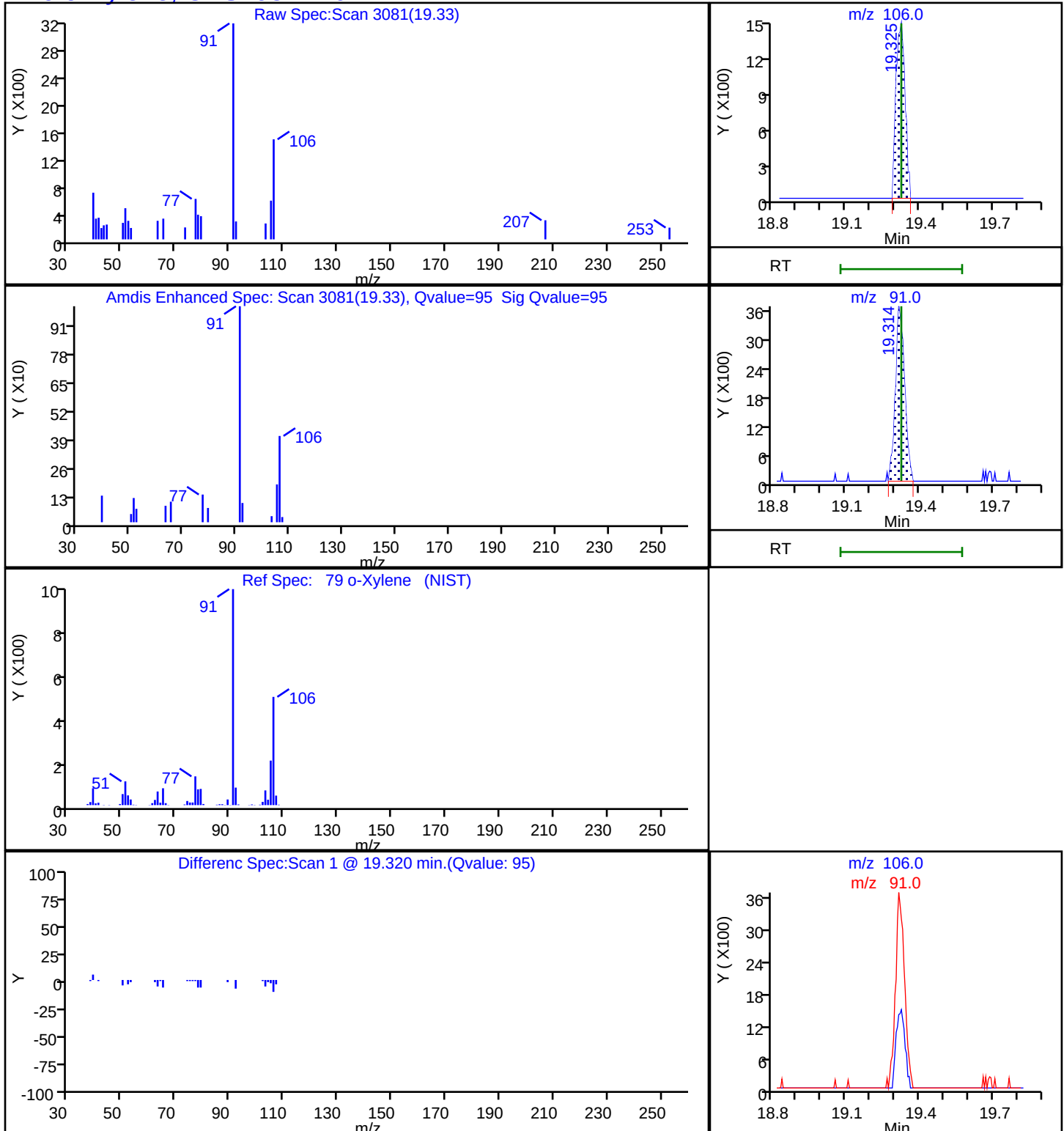
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

79 o-Xylene, CAS: 95-47-6

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D

Injection Date: 21-Feb-2020 04:34:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-4

Lab Sample ID: 200-52685-4

Client ID: IA-06-021420

Operator ID: ggg

ALS Bottle#: 21 Worklist Smp#: 21

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

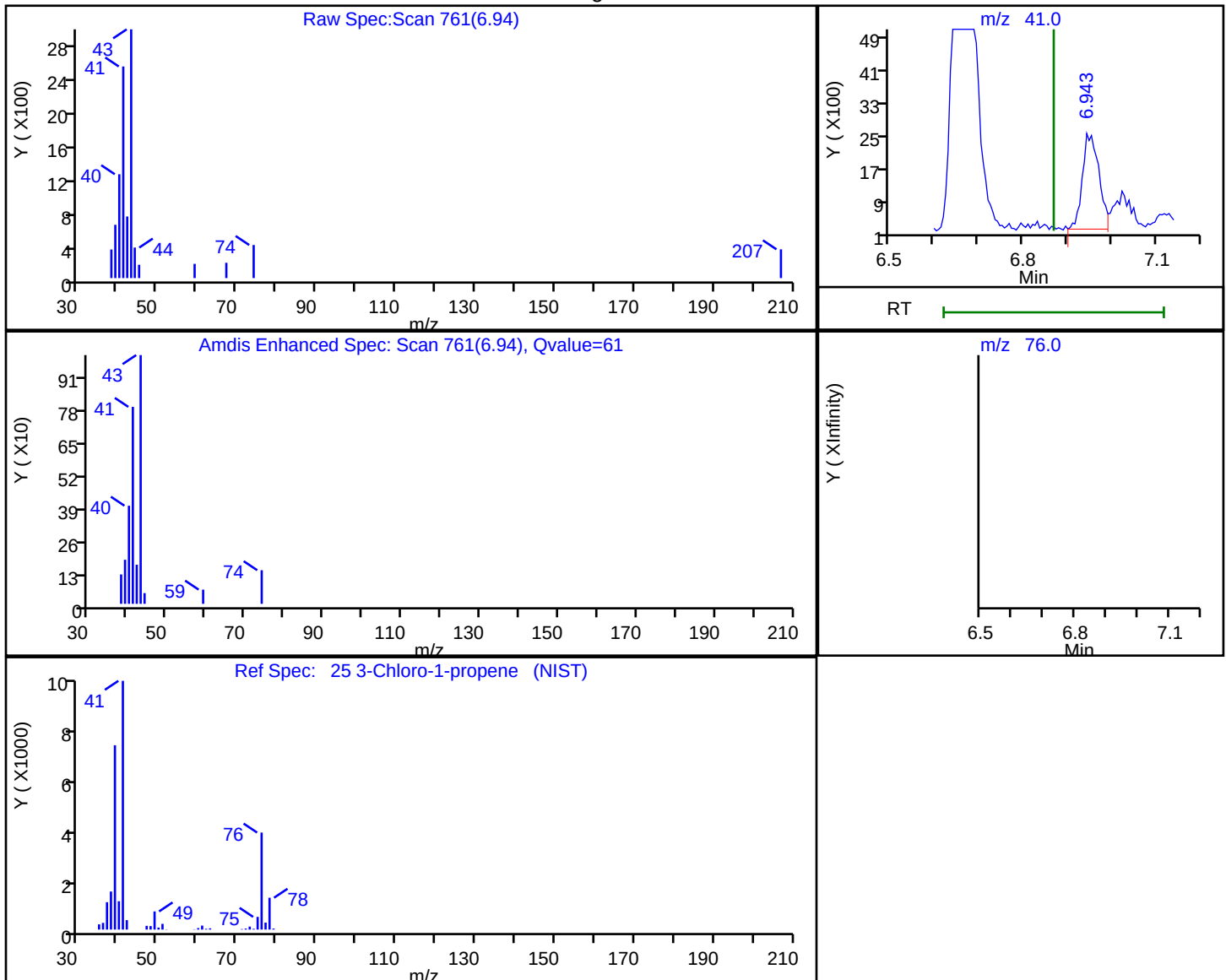
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

25 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
6.94	41.00	6091	0.190979
6.87	76.00	0	

Reviewer: bunmaa, 21-Feb-2020 17:23:42

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

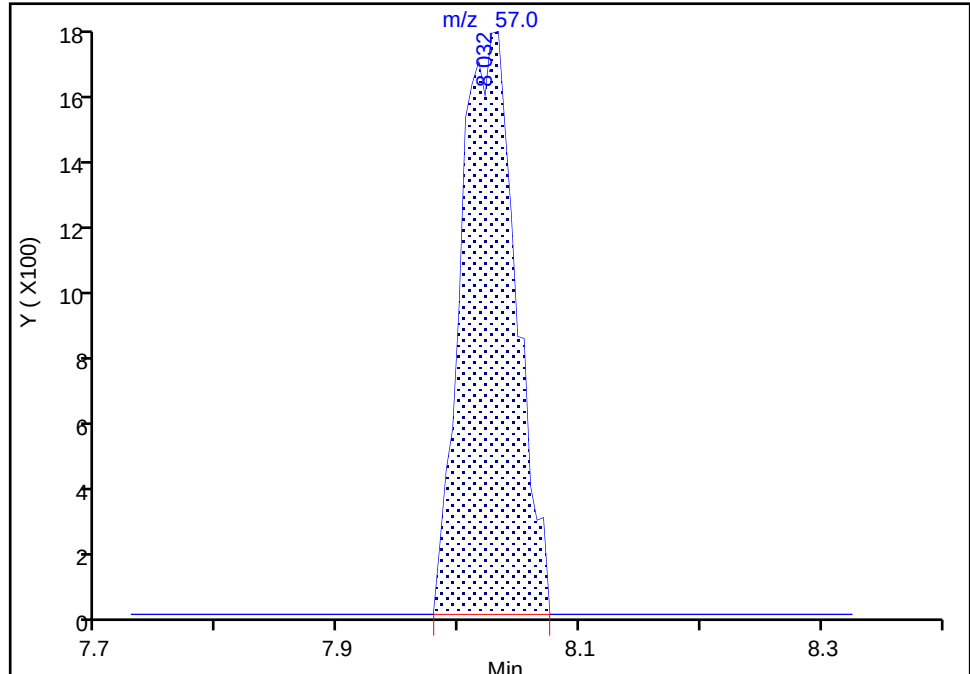
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Injection Date:	21-Feb-2020 04:34:30	Instrument ID:	CHC.i
Lims ID:	200-52685-A-4	Lab Sample ID:	200-52685-4
Client ID:	IA-06-021420		
Operator ID:	ggg	ALS Bottle#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	21

33 Hexane, CAS: 110-54-3

Signal: 1

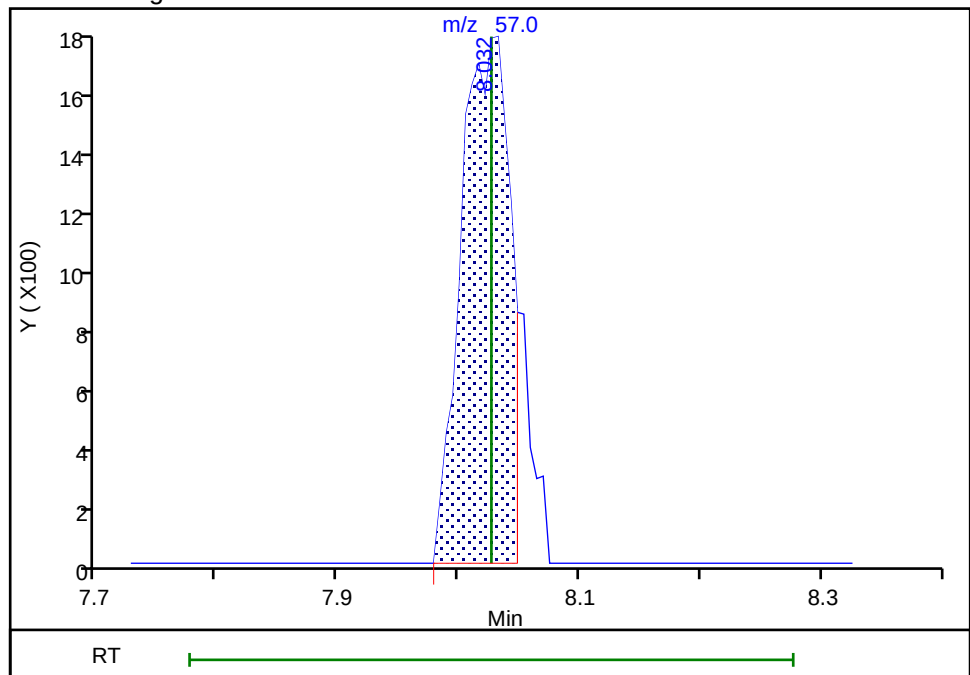
RT: 8.03
Area: 5421
Amount: 0.175600
Amount Units: ppb v/v

Processing Integration Results



RT: 8.03
Area: 4859
Amount: 0.157395
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 17:24:13

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

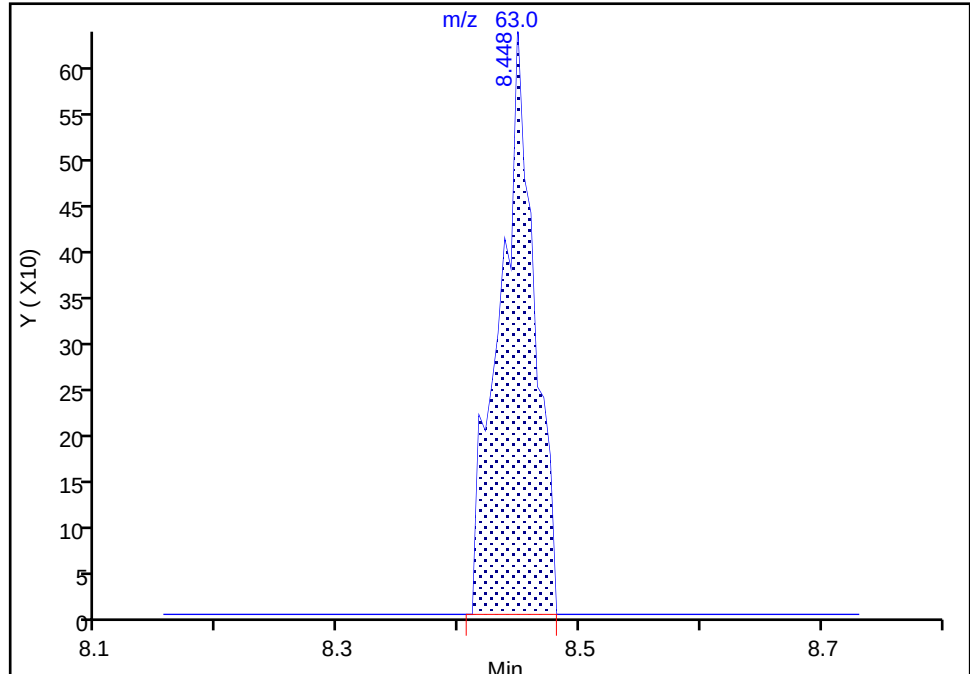
Data File:	\\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D		
Injection Date:	21-Feb-2020 04:34:30	Instrument ID:	CHC.i
Lims ID:	200-52685-A-4	Lab Sample ID:	200-52685-4
Client ID:	IA-06-021420		
Operator ID:	ggg	ALS Bottle#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	21

34 1,1-Dichloroethane, CAS: 75-34-3

Signal: 1

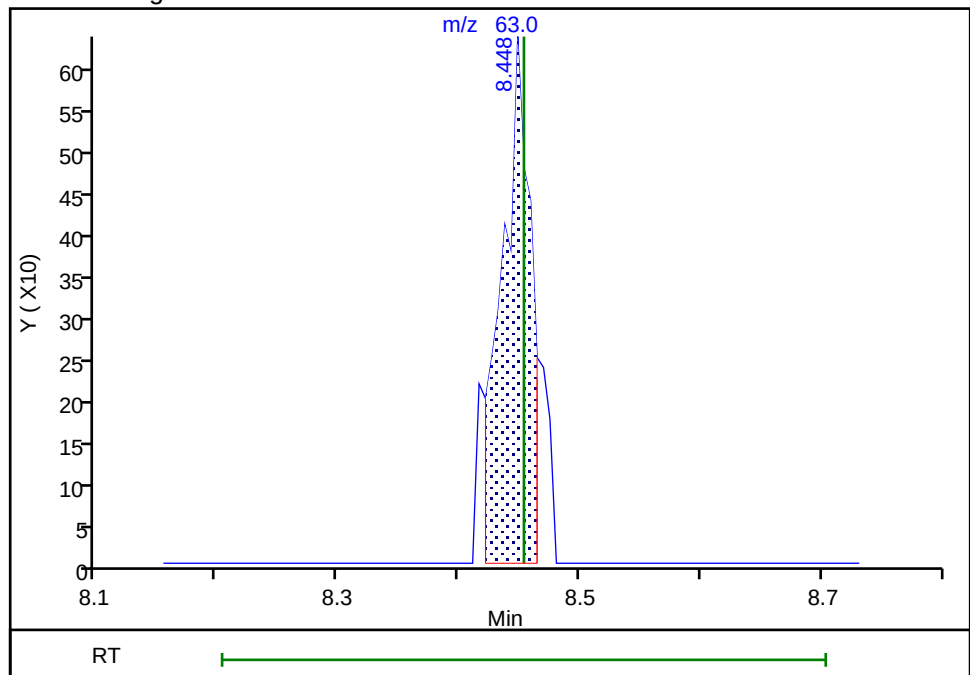
RT: 8.45
Area: 1277
Amount: 0.034150
Amount Units: ppb v/v

Processing Integration Results



RT: 8.45
Area: 1075
Amount: 0.028748
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 17:24:36

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

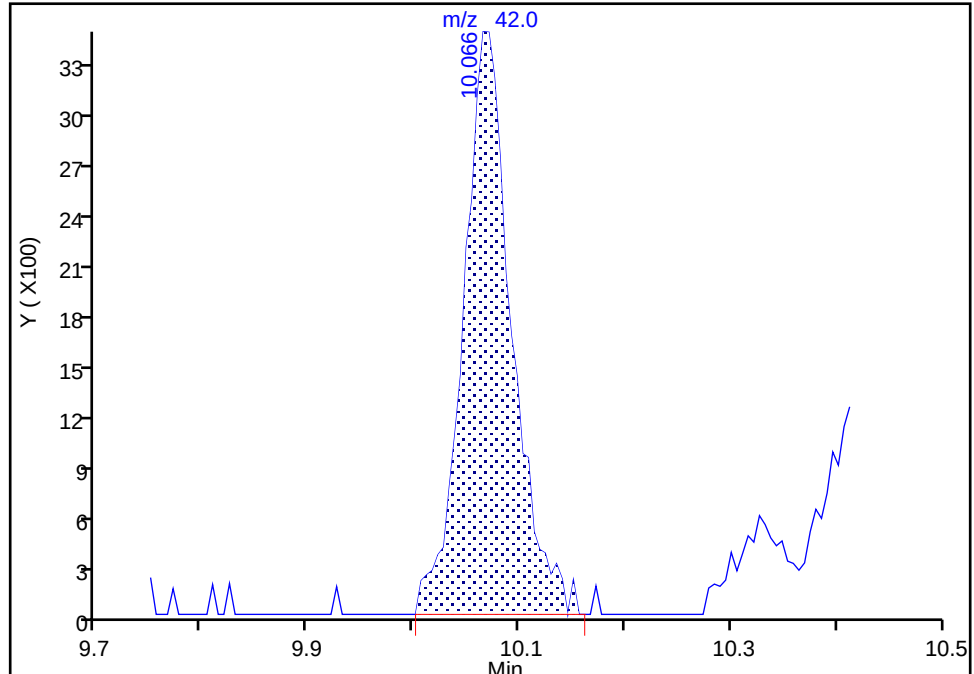
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Injection Date: 21-Feb-2020 04:34:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-4 Lab Sample ID: 200-52685-4
Client ID: IA-06-021420
Operator ID: ggg ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

41 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

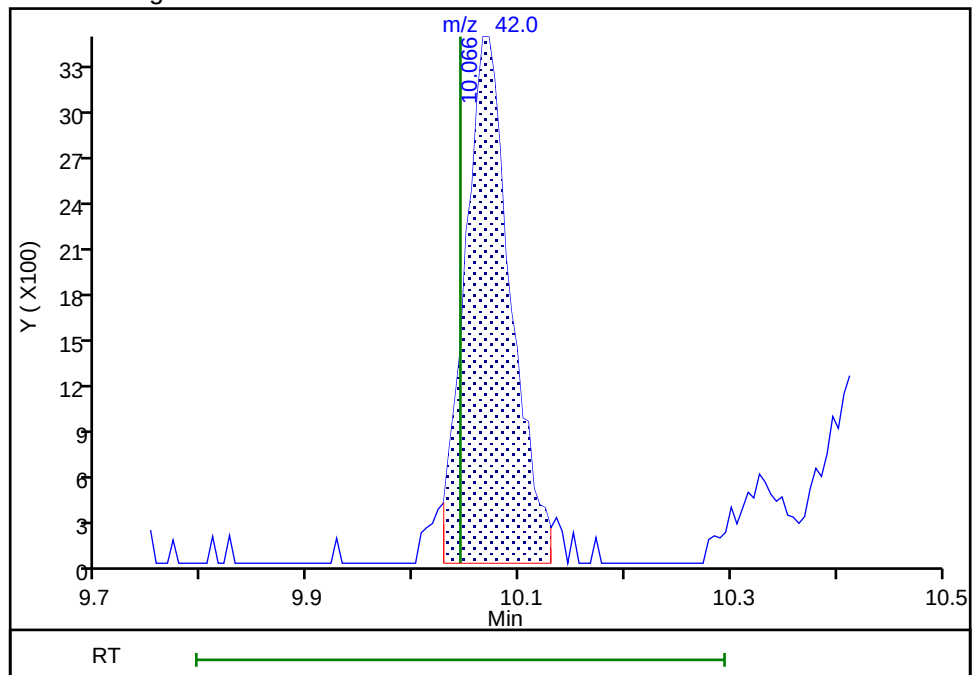
RT: 10.07
Area: 10849
Amount: 0.318980
Amount Units: ppb v/v

Processing Integration Results



RT: 10.07
Area: 10292
Amount: 0.302603
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 17:25:03

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

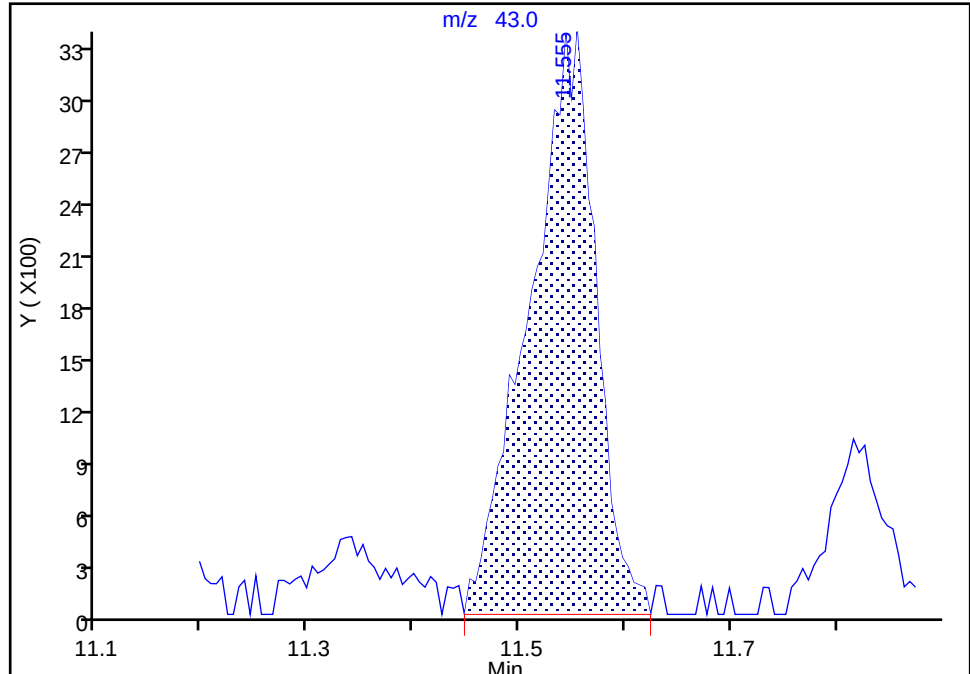
Data File:	\\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D		
Injection Date:	21-Feb-2020 04:34:30	Instrument ID:	CHC.i
Lims ID:	200-52685-A-4	Lab Sample ID:	200-52685-4
Client ID:	IA-06-021420		
Operator ID:	ggg	ALS Bottle#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	21

49 n-Heptane, CAS: 142-82-5

Signal: 1

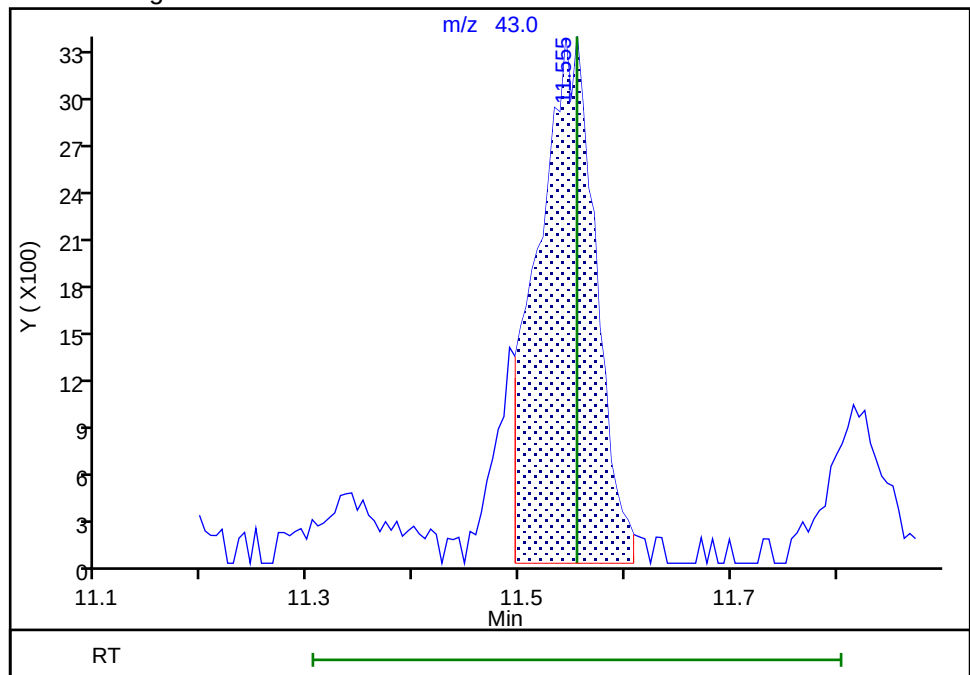
RT: 11.55
Area: 14645
Amount: 0.237380
Amount Units: ppb v/v

Processing Integration Results



RT: 11.55
Area: 12925
Amount: 0.209501
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 17:26:42

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

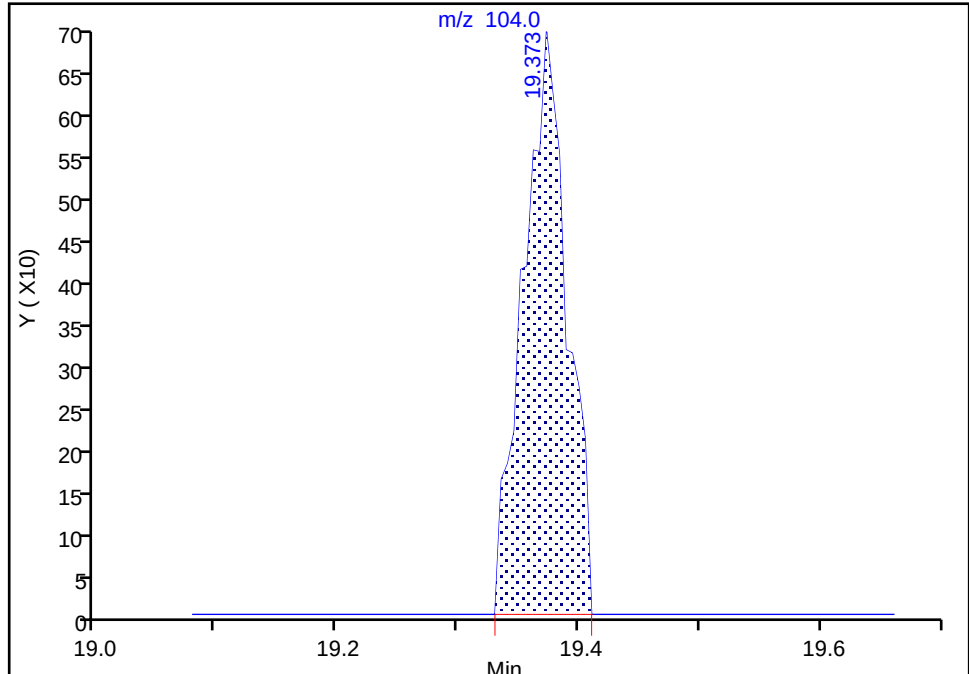
Data File:	\\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D		
Injection Date:	21-Feb-2020 04:34:30	Instrument ID:	CHC.i
Lims ID:	200-52685-A-4	Lab Sample ID:	200-52685-4
Client ID:	IA-06-021420		
Operator ID:	ggg	ALS Bottle#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	21

80 Styrene, CAS: 100-42-5

Signal: 1

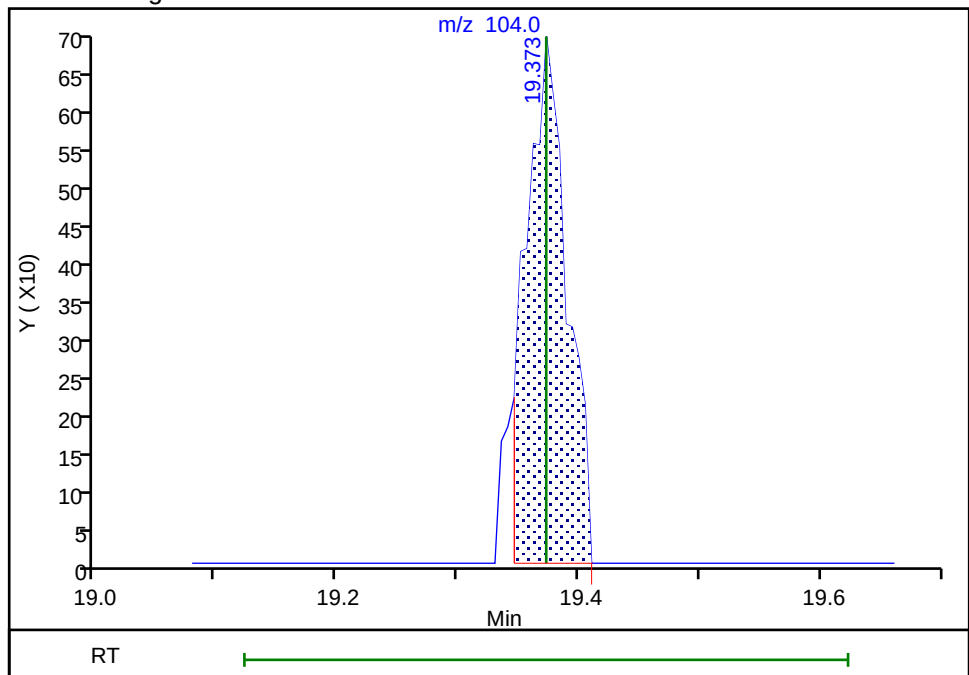
RT: 19.37
Area: 1757
Amount: 0.029125
Amount Units: ppb v/v

Processing Integration Results



RT: 19.37
Area: 1647
Amount: 0.027302
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 17:27:53

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

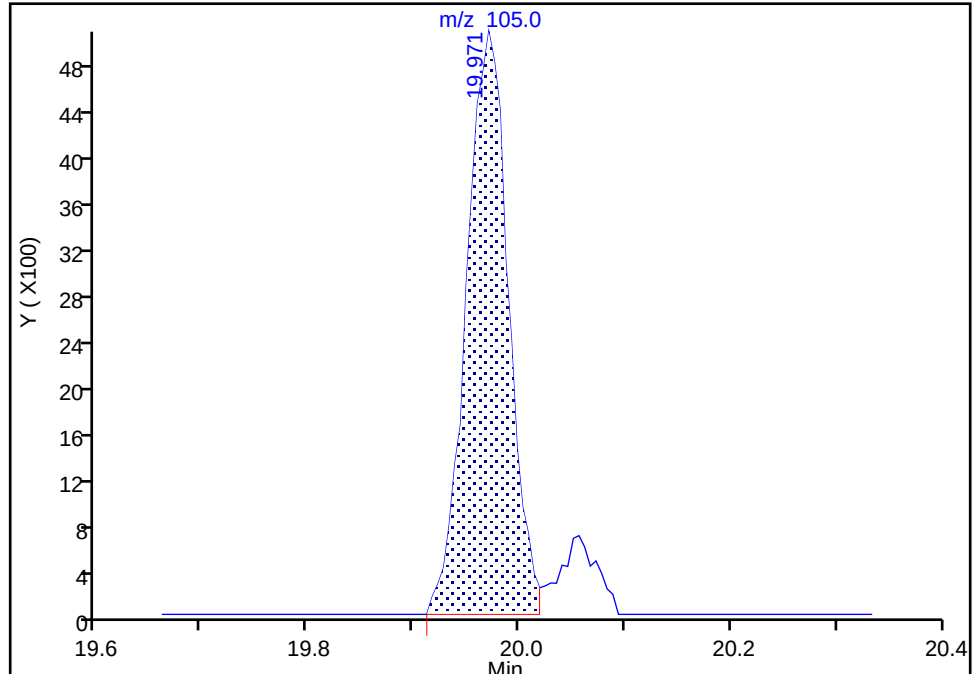
Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D
Injection Date: 21-Feb-2020 04:34:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-4 Lab Sample ID: 200-52685-4
Client ID: IA-06-021420
Operator ID: ggg ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

82 Isopropylbenzene, CAS: 98-82-8

Signal: 1

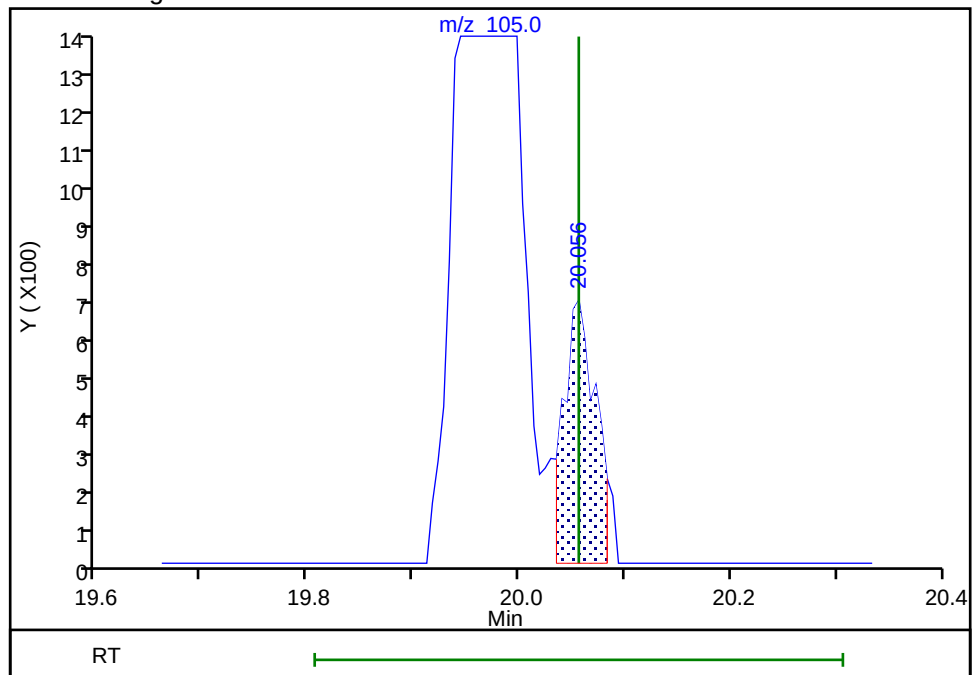
RT: 19.97
Area: 13920
Amount: 0.120684
Amount Units: ppb v/v

Processing Integration Results



RT: 20.06
Area: 1436
Amount: 0.012450
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 17:28:25
Audit Action: Manually Integrated

Audit Reason: Assign Peak
Page 329 of 968

Eurofins TestAmerica, Burlington

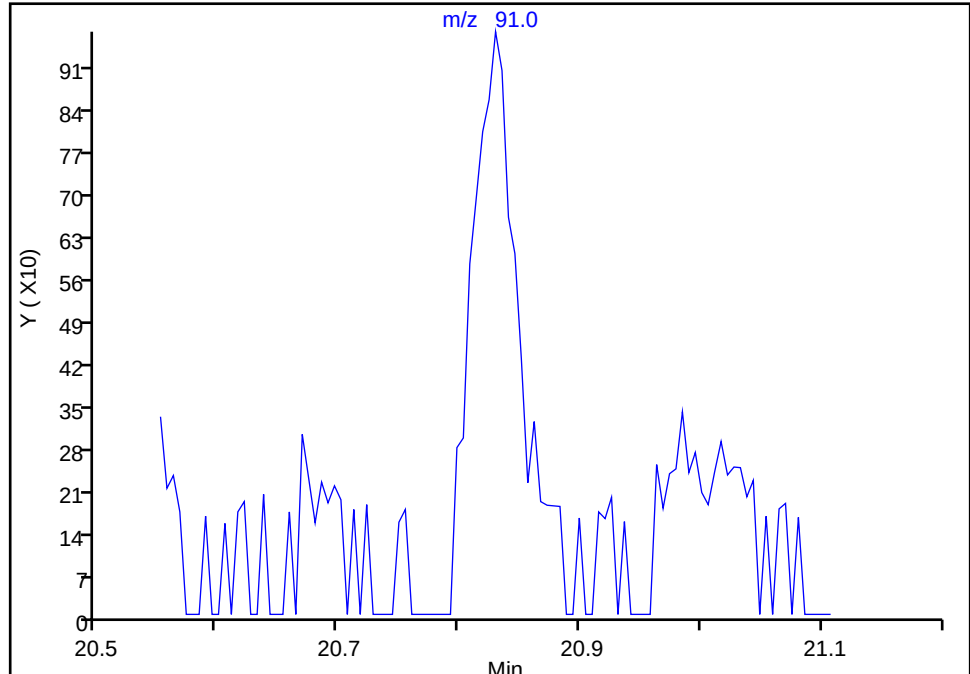
Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D
Injection Date: 21-Feb-2020 04:34:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-4 Lab Sample ID: 200-52685-4
Client ID: IA-06-021420
Operator ID: ggg ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

85 N-Propylbenzene, CAS: 103-65-1

Signal: 1

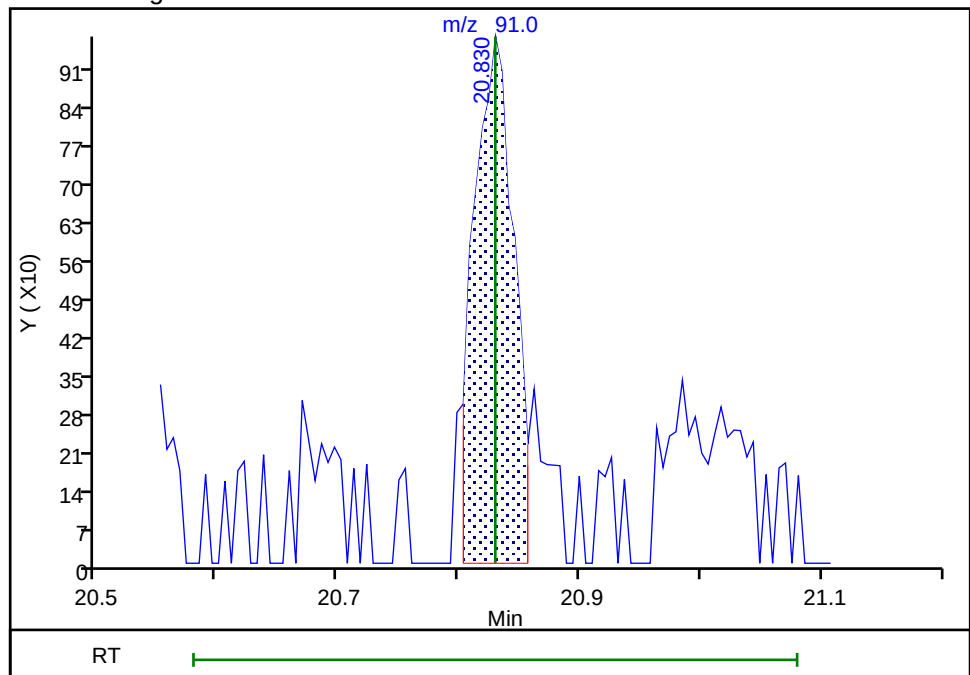
Not Detected
Expected RT: 20.83

Processing Integration Results



RT: 20.83
Area: 2224
Amount: 0.014756
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 17:28:44

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

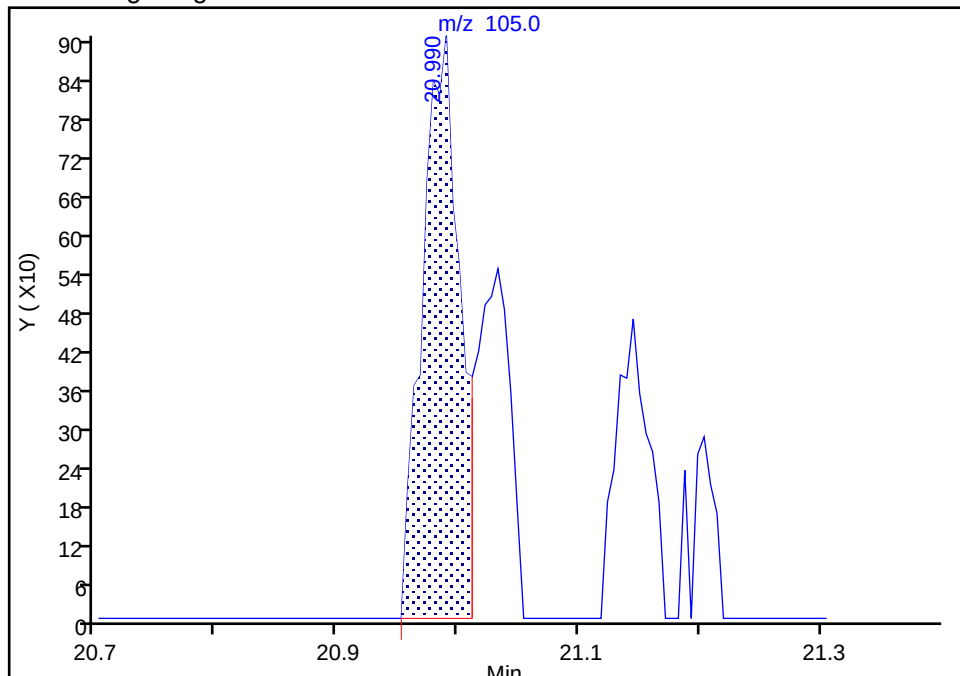
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Injection Date: 21-Feb-2020 04:34:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-4 Lab Sample ID: 200-52685-4
Client ID: IA-06-021420
Operator ID: ggg ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

88 4-Ethyltoluene, CAS: 622-96-8

Signal: 1

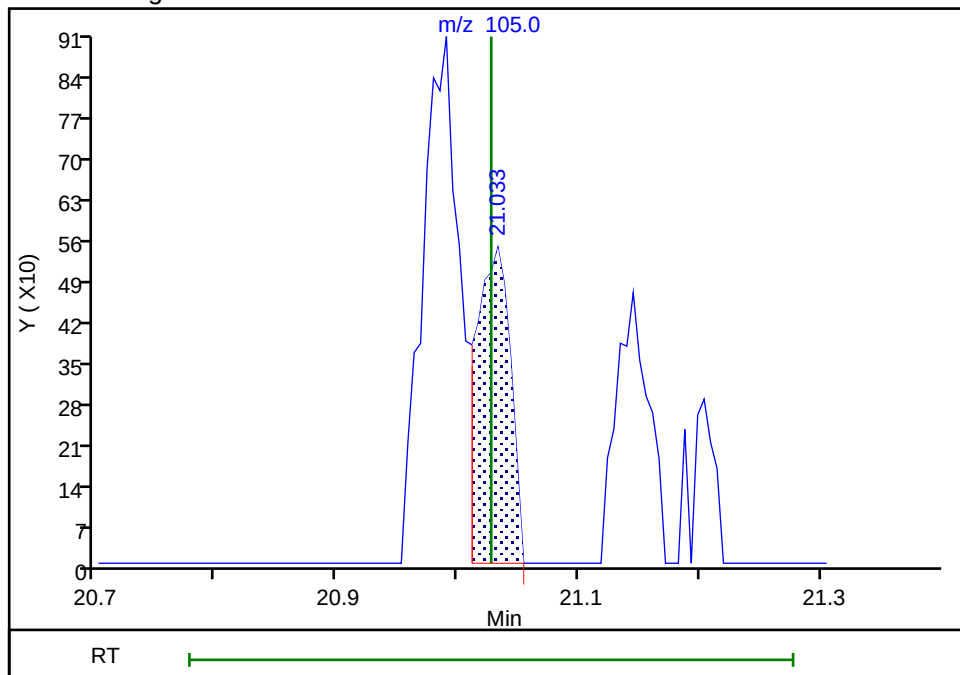
RT: 20.99
Area: 1959
Amount: 0.016465
Amount Units: ppb v/v

Processing Integration Results



RT: 21.03
Area: 1064
Amount: 0.008943
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 17:29:05

Audit Action: Assigned Compound ID

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D

Injection Date: 21-Feb-2020 04:34:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-4

Lab Sample ID: 200-52685-4

Client ID: IA-06-021420

Operator ID: ggg

ALS Bottle#: 21 Worklist Smp#: 21

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

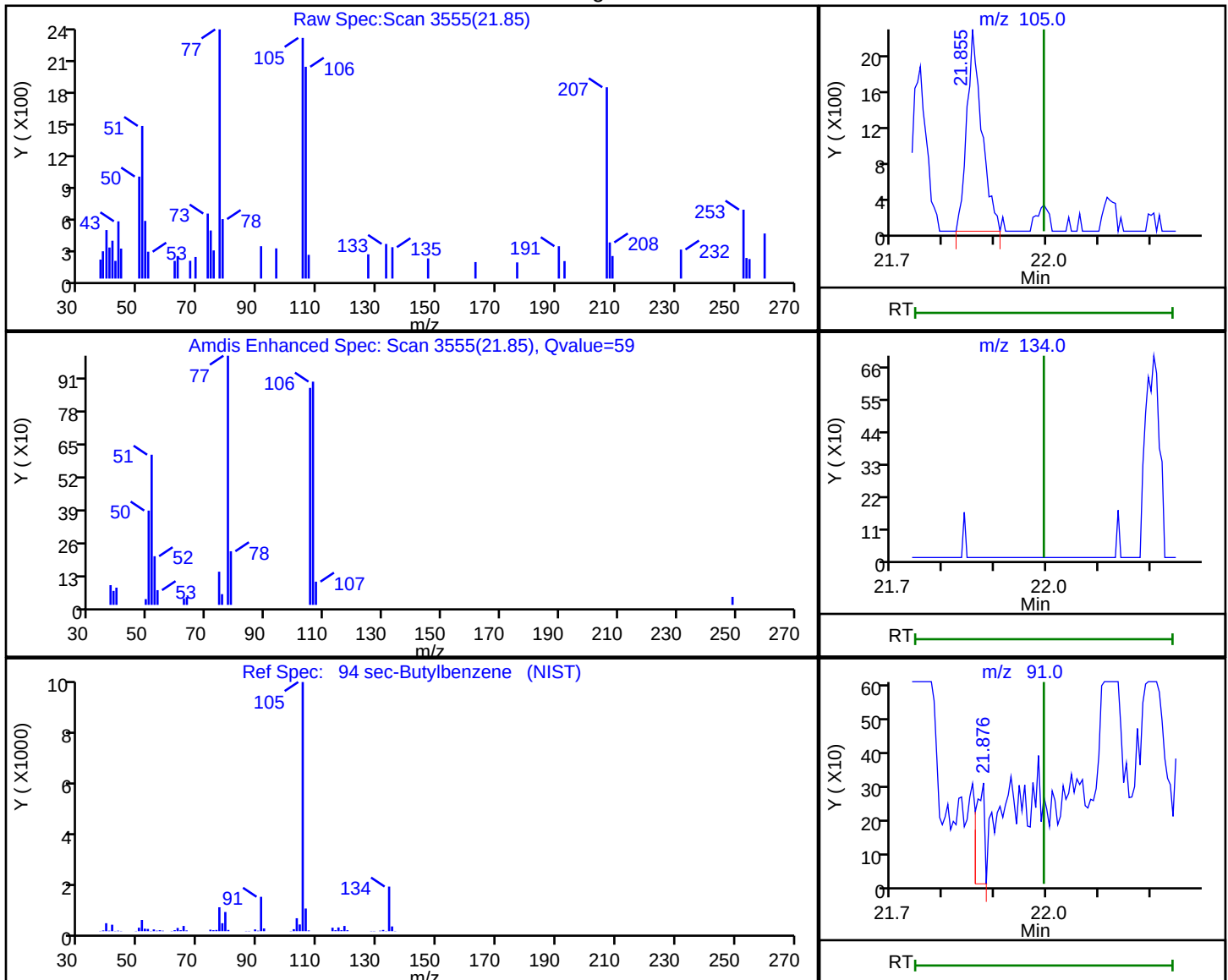
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

94 sec-Butylbenzene, CAS: 135-98-8

Processing Results



RT	Mass	Response	Amount
21.85	105.00	4477	0.031196
21.99	134.00	0	
21.88	91.00	327	

Reviewer: bunmaa, 21-Feb-2020 17:29:26

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

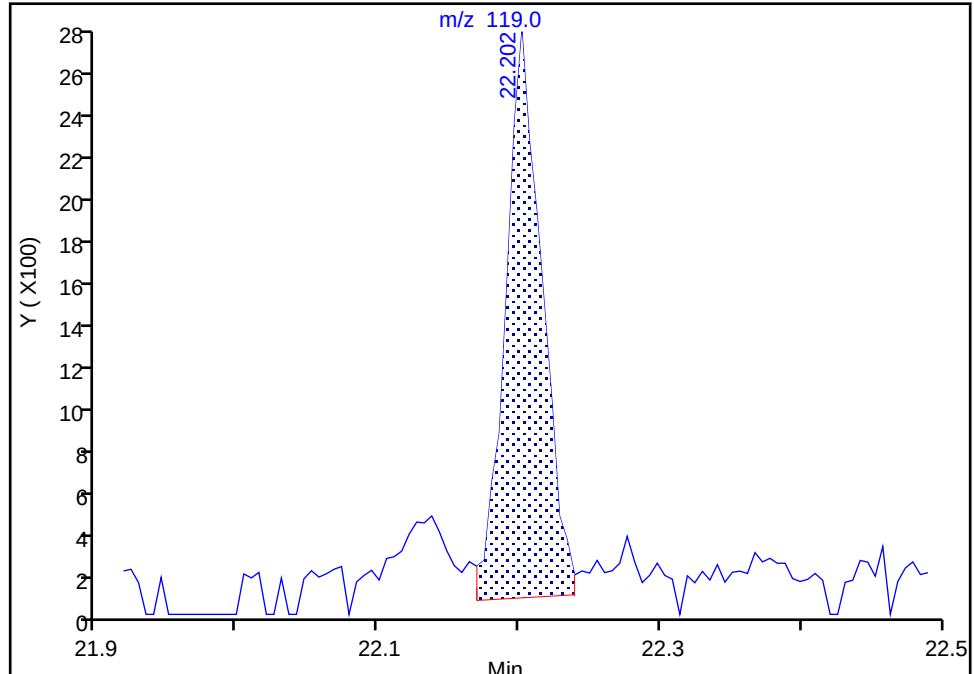
Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-21.D
Injection Date: 21-Feb-2020 04:34:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-4 Lab Sample ID: 200-52685-4
Client ID: IA-06-021420
Operator ID: ggg ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

95 4-Isopropyltoluene, CAS: 99-87-6

Signal: 1

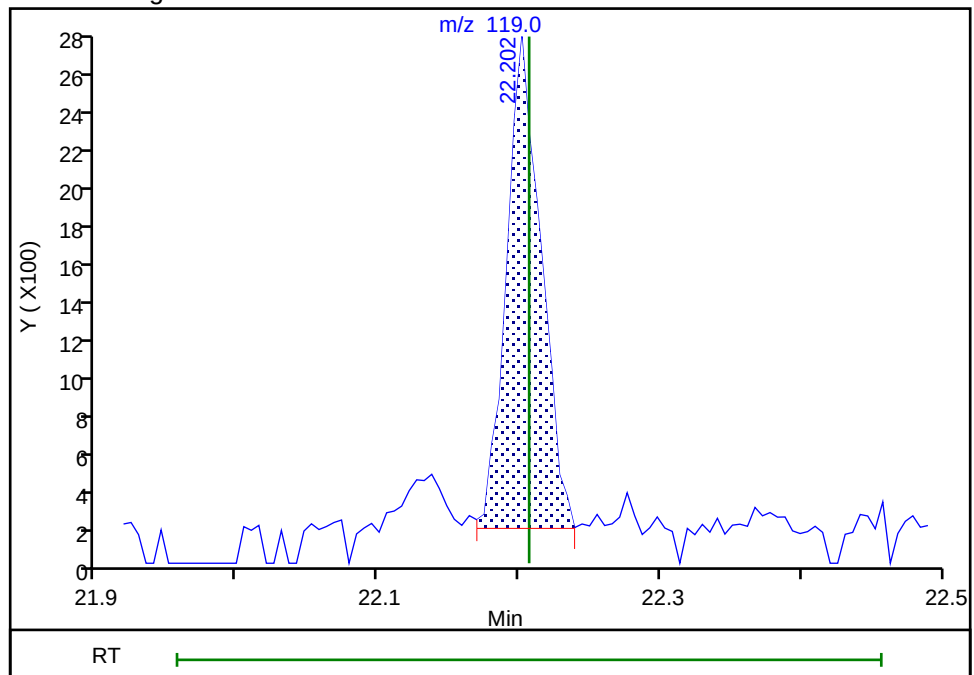
RT: 22.20
Area: 4843
Amount: 0.040684
Amount Units: ppb v/v

Processing Integration Results



RT: 22.20
Area: 4379
Amount: 0.036786
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 17:29:41

Audit Action: Manually Integrated

Audit Reason: Assign Peak

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: SS-SV-05-021420 Lab Sample ID: 200-52685-5

Matrix: Air Lab File ID: 40114-07.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:00

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 12:19

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.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.53		0.50	0.11
75-45-6	Freon 22	86.47	0.49	J	0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.20	0.035
74-87-3	Chloromethane	50.49	0.59		0.50	0.11
106-97-8	n-Butane	58.12	13		0.50	0.11
75-01-4	Vinyl chloride	62.50	ND		0.060	0.044
106-99-0	1,3-Butadiene	54.09	0.38		0.20	0.057
74-83-9	Bromomethane	94.94	ND		0.20	0.051
75-00-3	Chloroethane	64.52	ND		0.50	0.054
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.20	0.052
75-69-4	Trichlorofluoromethane	137.37	0.23		0.20	0.060
76-13-1	Freon TF	187.38	0.065	J	0.20	0.038
75-35-4	1,1-Dichloroethene	96.94	ND		0.20	0.039
67-64-1	Acetone	58.08	46	E	5.0	1.2
67-63-0	Isopropyl alcohol	60.10	480	E	5.0	0.48
75-15-0	Carbon disulfide	76.14	1.6		0.50	0.074
107-05-1	3-Chloropropene	76.53	ND		0.50	0.064
75-09-2	Methylene Chloride	84.93	1.7		0.50	0.27
75-65-0	tert-Butyl alcohol	74.12	0.73	J	5.0	0.038
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.20	0.033
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.20	0.042
110-54-3	n-Hexane	86.17	0.90		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	ND		0.20	0.041
78-93-3	Methyl Ethyl Ketone	72.11	0.42	J	0.50	0.072
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.20	0.045
540-59-0	1,2-Dichloroethene, Total	96.94	ND		0.40	0.042
67-66-3	Chloroform	119.38	0.078	J	0.20	0.032
109-99-9	Tetrahydrofuran	72.11	ND		5.0	0.066
71-55-6	1,1,1-Trichloroethane	133.41	0.12	J	0.20	0.036
110-82-7	Cyclohexane	84.16	0.34		0.20	0.046
56-23-5	Carbon tetrachloride	153.81	0.068		0.060	0.024
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.20	0.041
71-43-2	Benzene	78.11	0.19	J	0.20	0.067
107-06-2	1,2-Dichloroethane	98.96	ND		0.20	0.032

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SS-SV-05-021420 Lab Sample ID: 200-52685-5
 Matrix: Air Lab File ID: 40114-07.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:00
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 12:19
 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.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.077	J	0.20	0.056
79-01-6	Trichloroethene	131.39	0.21		0.060	0.035
80-62-6	Methyl methacrylate	100.12	ND		0.50	0.033
78-87-5	1,2-Dichloropropane	112.99	ND		0.20	0.033
123-91-1	1,4-Dioxane	88.11	ND		5.0	0.084
75-27-4	Bromodichloromethane	163.83	ND		0.20	0.035
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.20	0.032
108-10-1	methyl isobutyl ketone	100.16	ND		0.50	0.036
108-88-3	Toluene	92.14	0.82		0.20	0.11
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.20	0.039
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.20	0.036
127-18-4	Tetrachloroethene	165.83	0.93		0.20	0.033
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		0.50	0.048
124-48-1	Dibromochloromethane	208.29	ND		0.20	0.036
106-93-4	1,2-Dibromoethane	187.87	ND		0.20	0.049
108-90-7	Chlorobenzene	112.56	ND		0.20	0.056
100-41-4	Ethylbenzene	106.17	0.18	J	0.20	0.063
179601-23-1	m,p-Xylene	106.17	0.57		0.50	0.10
95-47-6	Xylene, o-	106.17	0.12	J	0.20	0.048
1330-20-7	Xylene (total)	106.17	0.69	J	0.70	0.048
100-42-5	Styrene	104.15	ND		0.20	0.040
75-25-2	Bromoform	252.75	ND		0.20	0.048
98-82-8	Cumene	120.19	ND		0.20	0.035
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.20	0.042
103-65-1	n-Propylbenzene	120.19	ND		0.20	0.039
622-96-8	4-Ethyltoluene	120.20	ND		0.20	0.041
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.20	0.039
95-49-8	2-Chlorotoluene	126.59	ND		0.20	0.042
98-06-6	tert-Butylbenzene	134.22	ND		0.20	0.035
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.20	0.044
135-98-8	sec-Butylbenzene	134.22	ND		0.20	0.035
99-87-6	4-Isopropyltoluene	134.22	ND		0.20	0.039
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.20	0.11
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.20	0.12

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SS-SV-05-021420 Lab Sample ID: 200-52685-5
 Matrix: Air Lab File ID: 40114-07.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:00
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 12:19
 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.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		0.20	0.085
104-51-8	n-Butylbenzene	134.22	ND		0.20	0.039
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.20	0.097
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.50	0.22
87-68-3	Hexachlorobutadiene	260.76	ND		0.20	0.076
91-20-3	Naphthalene	128.17	ND		0.50	0.17

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: SS-SV-05-021420 Lab Sample ID: 200-52685-5

Matrix: Air Lab File ID: 40114-07.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:00

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 12:19

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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.6		2.5	0.54
75-45-6	Freon 22	86.47	1.7	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	0.24
74-87-3	Chloromethane	50.49	1.2		1.0	0.23
106-97-8	n-Butane	58.12	31		1.2	0.26
75-01-4	Vinyl chloride	62.50	ND		0.15	0.11
106-99-0	1,3-Butadiene	54.09	0.85		0.44	0.13
74-83-9	Bromomethane	94.94	ND		0.78	0.20
75-00-3	Chloroethane	64.52	ND		1.3	0.14
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.87	0.23
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1	0.34
76-13-1	Freon TF	187.38	0.50	J	1.5	0.29
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	0.15
67-64-1	Acetone	58.08	110	E	12	2.9
67-63-0	Isopropyl alcohol	60.10	1200	E	12	1.2
75-15-0	Carbon disulfide	76.14	5.1		1.6	0.23
107-05-1	3-Chloropropene	76.53	ND		1.6	0.20
75-09-2	Methylene Chloride	84.93	6.0		1.7	0.94
75-65-0	tert-Butyl alcohol	74.12	2.2	J	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.72	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.79	0.17
110-54-3	n-Hexane	86.17	3.2		0.70	0.70
75-34-3	1,1-Dichloroethane	98.96	ND		0.81	0.17
78-93-3	Methyl Ethyl Ketone	72.11	1.2	J	1.5	0.21
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.79	0.18
540-59-0	1,2-Dichloroethene, Total	96.94	ND		1.6	0.17
67-66-3	Chloroform	119.38	0.38	J	0.98	0.16
109-99-9	Tetrahydrofuran	72.11	ND		15	0.19
71-55-6	1,1,1-Trichloroethane	133.41	0.67	J	1.1	0.20
110-82-7	Cyclohexane	84.16	1.2		0.69	0.16
56-23-5	Carbon tetrachloride	153.81	0.43		0.38	0.15
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	0.19
71-43-2	Benzene	78.11	0.62	J	0.64	0.21
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	0.13

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: SS-SV-05-021420 Lab Sample ID: 200-52685-5

Matrix: Air Lab File ID: 40114-07.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:00

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 12:19

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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.32	J	0.82	0.23
79-01-6	Trichloroethene	131.39	1.1		0.32	0.19
80-62-6	Methyl methacrylate	100.12	ND		2.0	0.14
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.15
123-91-1	1,4-Dioxane	88.11	ND		18	0.30
75-27-4	Bromodichloromethane	163.83	ND		1.3	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	0.15
108-10-1	methyl isobutyl ketone	100.16	ND		2.0	0.15
108-88-3	Toluene	92.14	3.1		0.75	0.41
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	0.18
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	0.20
127-18-4	Tetrachloroethene	165.83	6.3		1.4	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		2.0	0.20
124-48-1	Dibromochloromethane	208.29	ND		1.7	0.31
106-93-4	1,2-Dibromoethane	187.87	ND		1.5	0.38
108-90-7	Chlorobenzene	112.56	ND		0.92	0.26
100-41-4	Ethylbenzene	106.17	0.77	J	0.87	0.27
179601-23-1	m,p-Xylene	106.17	2.5		2.2	0.43
95-47-6	Xylene, o-	106.17	0.54	J	0.87	0.21
1330-20-7	Xylene (total)	106.17	3.0	J	3.0	0.21
100-42-5	Styrene	104.15	ND		0.85	0.17
75-25-2	Bromoform	252.75	ND		2.1	0.50
98-82-8	Cumene	120.19	ND		0.98	0.17
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	0.29
103-65-1	n-Propylbenzene	120.19	ND		0.98	0.19
622-96-8	4-Ethyltoluene	120.20	ND		0.98	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.98	0.19
95-49-8	2-Chlorotoluene	126.59	ND		1.0	0.22
98-06-6	tert-Butylbenzene	134.22	ND		1.1	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.98	0.22
135-98-8	sec-Butylbenzene	134.22	ND		1.1	0.19
99-87-6	4-Isopropyltoluene	134.22	ND		1.1	0.21
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.2	0.66
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.2	0.72

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SS-SV-05-021420 Lab Sample ID: 200-52685-5
 Matrix: Air Lab File ID: 40114-07.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:00
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 12:19
 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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		1.0	0.44
104-51-8	n-Butylbenzene	134.22	ND		1.1	0.21
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	0.58
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3.7	1.6
87-68-3	Hexachlorobutadiene	260.76	ND		2.1	0.81
91-20-3	Naphthalene	128.17	ND		2.6	0.89

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D
 Lims ID: 200-52685-A-5
 Client ID: SS-SV-05-021420
 Sample Type: Client
 Inject. Date: 21-Feb-2020 12:19:30 ALS Bottle#: 7 Worklist Smp#: 7
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0040114-007
 Operator ID: ggg Instrument ID: CHX.i
 Method: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 24-Feb-2020 10:32:27 Calib Date: 22-Jan-2020 04:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-16.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0337

First Level Reviewer: puangmaleek

Date: 24-Feb-2020 10:32:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.185	4.185	0.000	99	45816	0.5250	
3 Chlorodifluoromethane	51	4.249	4.249	0.000	98	23834	0.4867	
4 1,2-Dichloro-1,1,2,2-tetra	85	4.506	4.506	-0.010	1	1792	0.0181	7M
5 Chloromethane	50	4.704	4.704	0.000	98	18727	0.5946	
6 Butane	43	4.939	4.934	0.005	99	518293	13.2	
7 Vinyl chloride	62		4.993				ND	
8 Butadiene	54	5.084	5.083	0.001	93	6508	0.3841	
10 Bromomethane	94		5.870				ND	
11 Chloroethane	64		6.121				ND	
13 Vinyl bromide	106		6.539				ND	
14 Trichlorofluoromethane	101	6.630	6.630	0.000	99	22483	0.2281	
20 1,1,2-Trichloro-1,2,2-trif	101	7.694	7.689	0.005	94	4682	0.0653	
21 1,1-Dichloroethene	96		7.753				ND	
22 Acetone	43	7.962	7.967	-0.005	97	1707616	45.8	E
23 Carbon disulfide	76	8.149	8.160	0.000	99	133744	1.65	
24 Isopropyl alcohol	45	8.229	8.218	0.011	99	15229822	479.1	E
25 3-Chloro-1-propene	41		8.491				ND	
27 Methylene Chloride	49	8.775	8.786	0.000	82	40761	1.71	
28 2-Methyl-2-propanol	59	8.946	8.945	0.005	94	34211	0.7286	
29 Methyl tert-butyl ether	73		9.128				ND	
31 trans-1,2-Dichloroethene	61		9.181				ND	
33 Hexane	57	9.524	9.523	0.006	89	33316	0.9003	
S 30 1,2-Dichloroethene, Total	61		9.665				ND	
34 1,1-Dichloroethane	63		10.000				ND	
37 cis-1,2-Dichloroethene	96		11.032				ND	
38 2-Butanone (MEK)	72	11.064	11.070	0.000	100	5914	0.4184	
* 40 Chlorobromomethane	128	11.471	11.466	0.005	73	250650	10.0	
41 Tetrahydrofuran	42		11.471				ND	U
42 Chloroform	83	11.573	11.584	-0.005	94	5170	0.0782	
43 Cyclohexane	84	11.813	11.803	0.005	93	13678	0.3421	
44 1,1,1-Trichloroethane	97	11.829	11.830	-0.006	85	9063	0.1229	
45 Carbon tetrachloride	117	12.060	12.059	0.001	93	5465	0.0681	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
46 Isooctane	57	12.418	12.418	-0.005	68	3236	0.0287	M
47 Benzene	78	12.482	12.482	0.000	96	17504	0.1935	
48 1,2-Dichloroethane	62		12.648				ND	
49 n-Heptane	43	12.755	12.755	-0.011	74	2757	0.0773	M
* 50 1,4-Difluorobenzene	114	13.215	13.220	-0.005	92	1155422	10.0	
53 Trichloroethene	95	13.638	13.632	0.000	97	9058	0.2058	
54 1,2-Dichloropropane	63		14.130				ND	
55 Methyl methacrylate	69		14.248				ND	
56 1,4-Dioxane	88		14.317				ND	
58 Dichlorobromomethane	83		14.617				ND	
60 cis-1,3-Dichloropropene	75		15.446				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.692				ND	
65 Toluene	92	15.976	15.975	0.001	93	56973	0.8235	
66 trans-1,3-Dichloropropene	75		16.532				ND	U
67 1,1,2-Trichloroethane	83		16.901				ND	
68 Tetrachloroethene	166	16.997	16.997	0.000	96	80208	0.9294	
69 2-Hexanone	43		17.324				ND	U
71 Chlorodibromomethane	129		17.650				ND	
72 Ethylene Dibromide	107		17.917				ND	
* 74 Chlorobenzene-d5	117	18.795	18.800	-0.005	84	1087473	10.0	
75 Chlorobenzene	112		18.859				ND	
76 Ethylbenzene	91	19.003	18.998	0.005	98	29753	0.1772	
78 m-Xylene & p-Xylene	106	19.244	19.244	0.000	0	40446	0.5714	
S 73 Xylenes, Total	106				0		0.6959	
79 o-Xylene	106	20.084	20.084	0.000	98	8473	0.1245	
80 Styrene	104		20.138				ND	
81 Bromoform	173		20.576				ND	
82 Isopropylbenzene	105		20.769				ND	
84 1,1,2,2-Tetrachloroethane	83		21.438				ND	
85 N-Propylbenzene	91		21.496				ND	
88 4-Ethyltoluene	105		21.684				ND	U
89 2-Chlorotoluene	91		21.700				ND	
90 1,3,5-Trimethylbenzene	105		21.791				ND	
92 tert-Butylbenzene	119		22.283				ND	
93 1,2,4-Trimethylbenzene	105	22.374	22.379	-0.005	90	2177	0.0130	
94 sec-Butylbenzene	105		22.609				ND	
95 4-Isopropyltoluene	119		22.812				ND	
96 1,3-Dichlorobenzene	146		22.850				ND	
97 1,4-Dichlorobenzene	146		22.984				ND	
98 Benzyl chloride	91		23.182				ND	
100 n-Butylbenzene	91		23.385				ND	
101 1,2-Dichlorobenzene	146		23.513				ND	
103 1,2,4-Trichlorobenzene	180		25.995				ND	
104 Hexachlorobutadiene	225		26.172				ND	
105 Naphthalene	128		26.472				ND	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 24-Feb-2020 10:32:28

Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Operator ID: ggg

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Worklist Smp#: 7

Client ID: SS-SV-05-021420

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

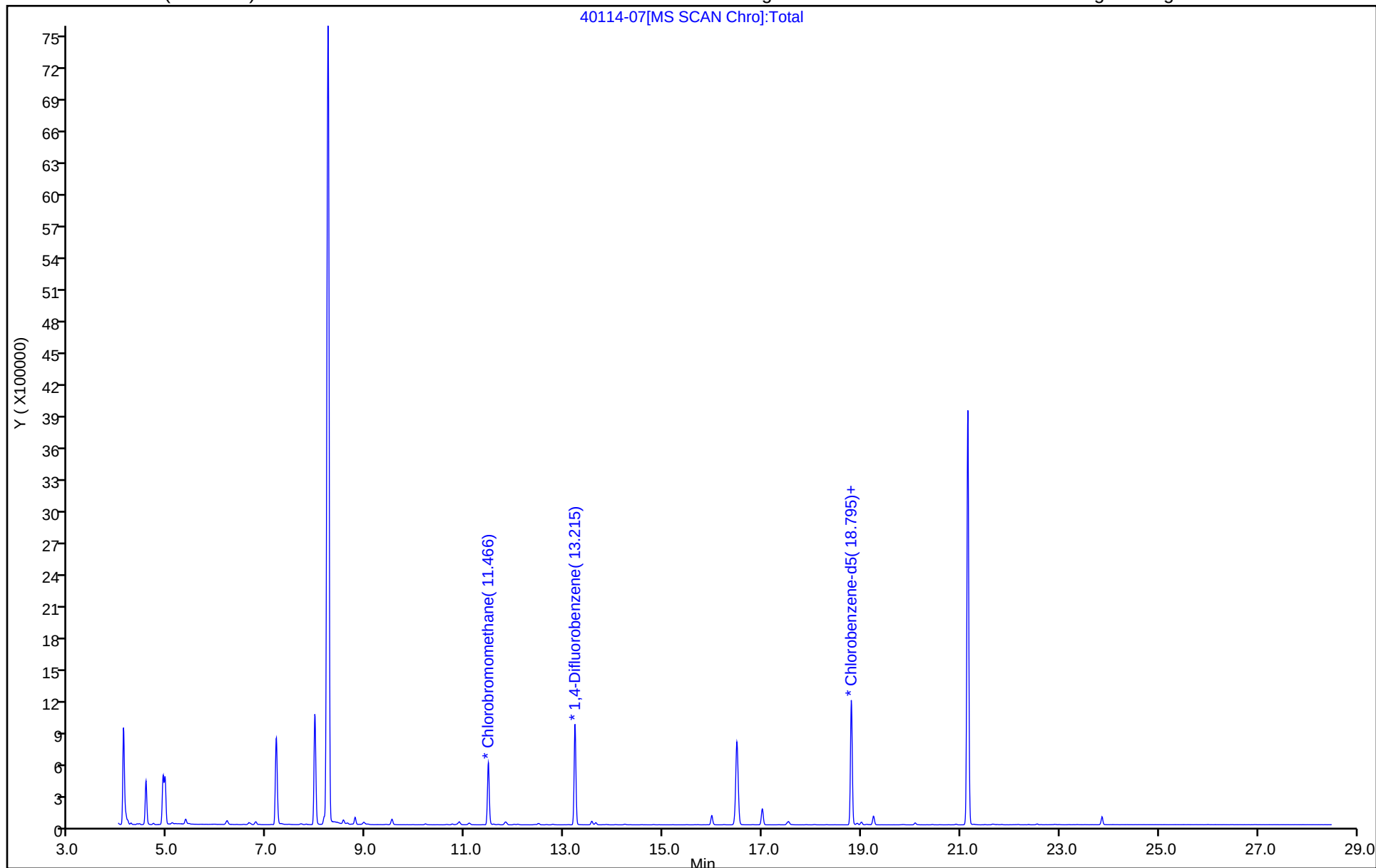
ALS Bottle#: 7

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 7

Worklist Smp#: 7

Purge Vol: 200.000 mL

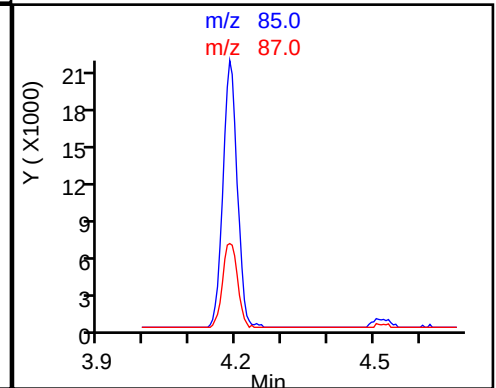
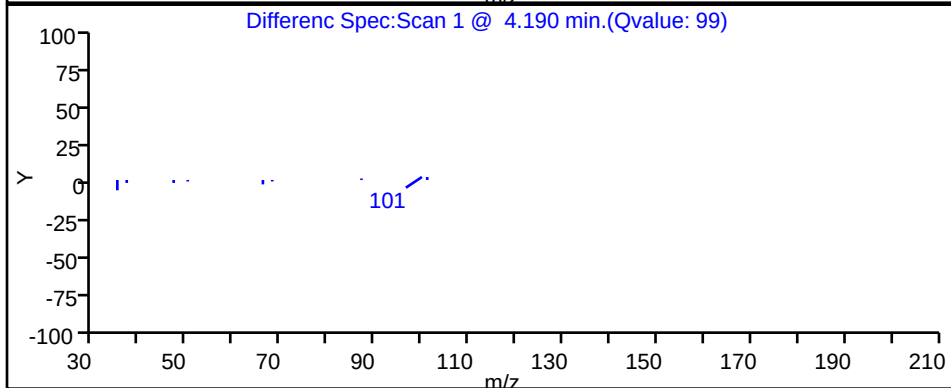
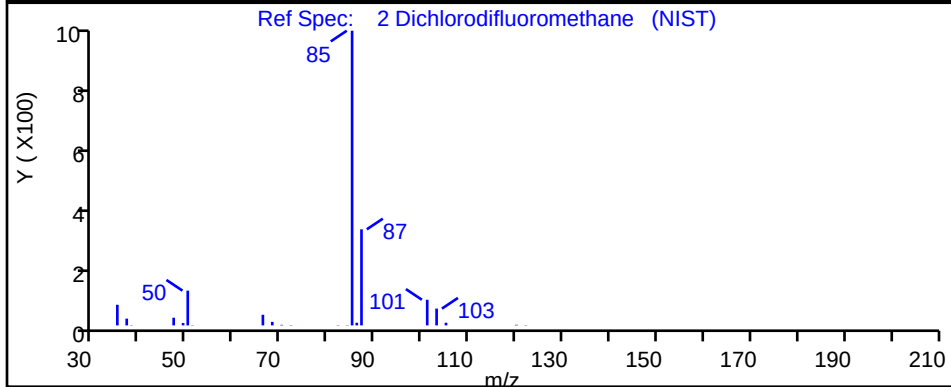
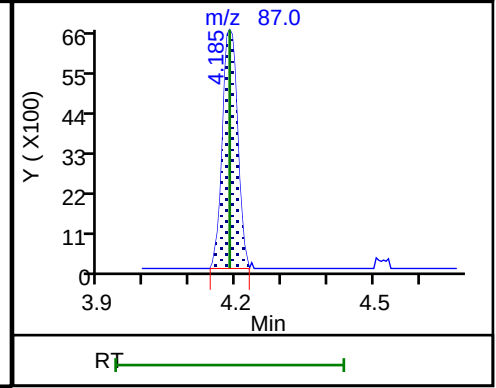
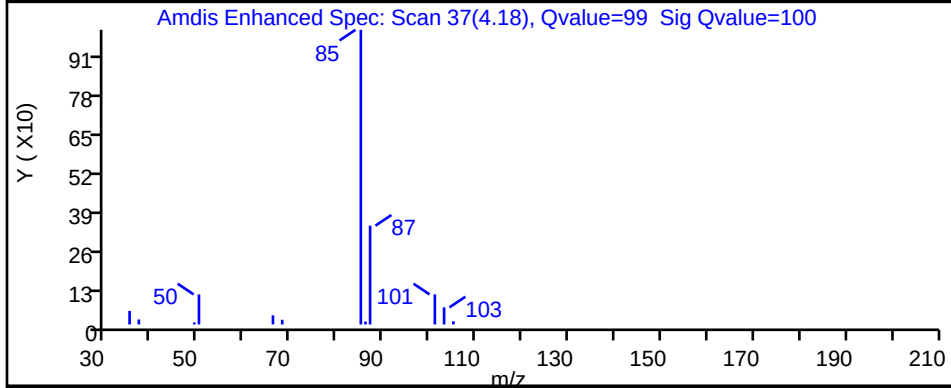
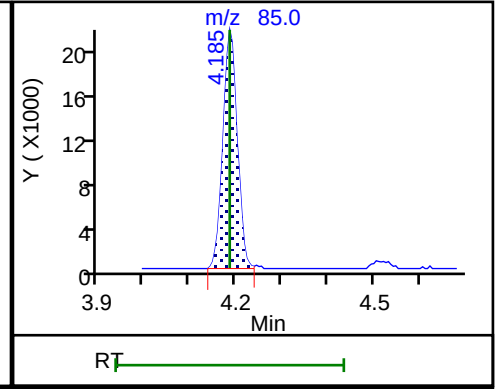
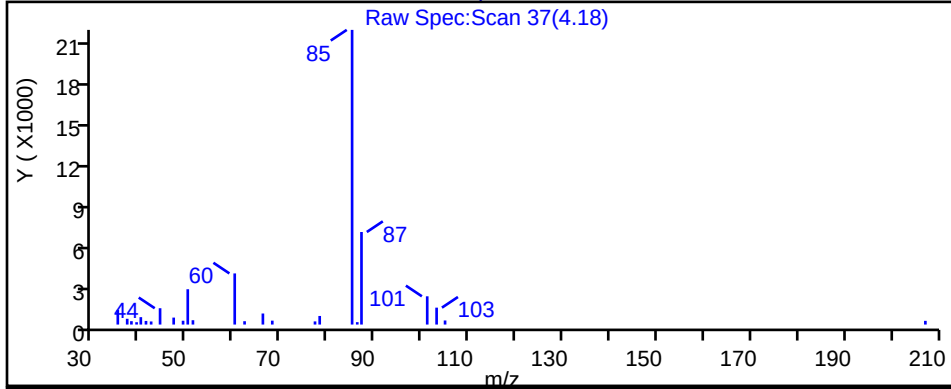
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 7

Worklist Smp#: 7

Purge Vol: 200.000 mL

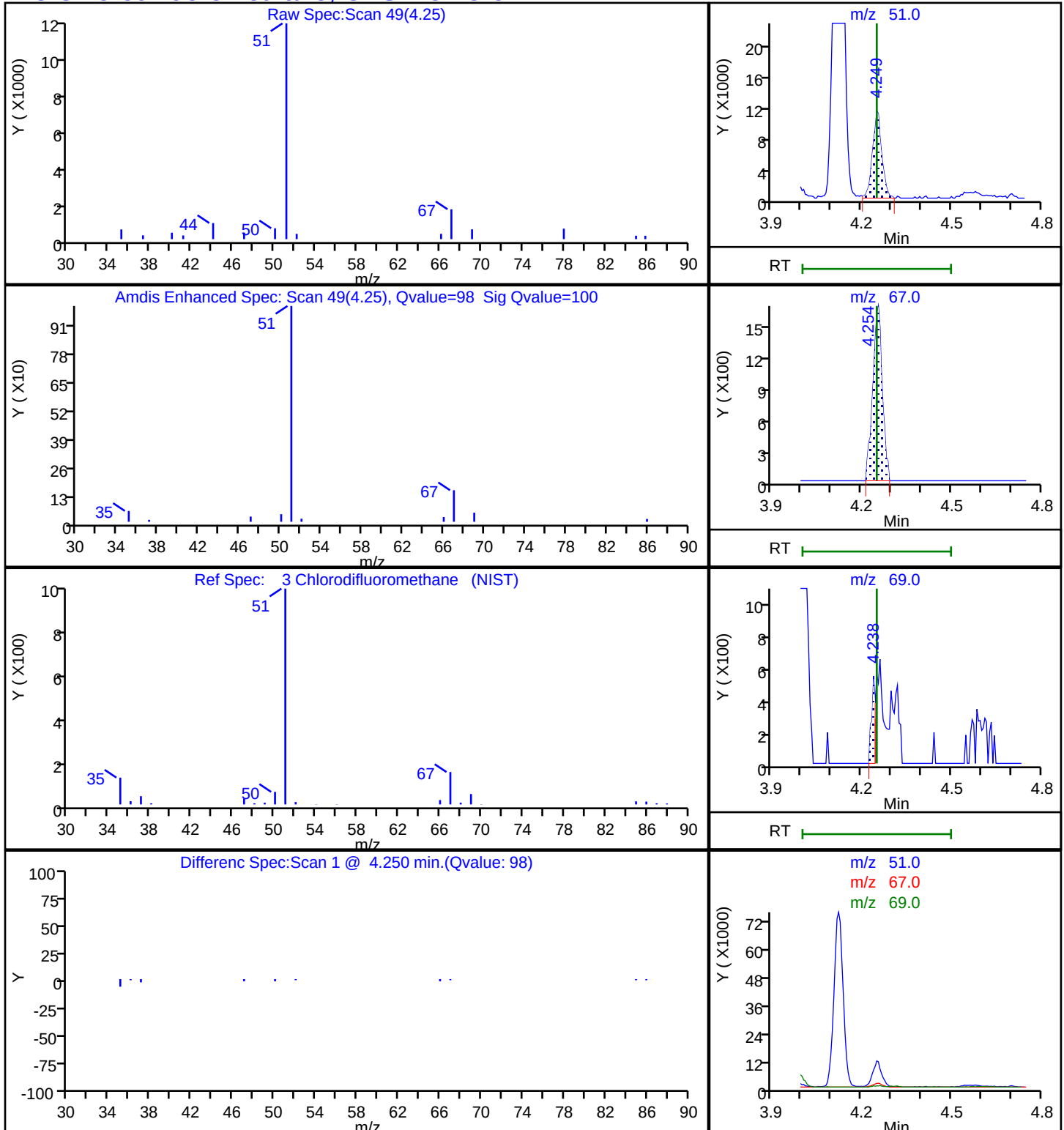
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

3 Chlorodifluoromethane, CAS: 75-45-6

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 7

Worklist Smp#: 7

Purge Vol: 200.000 mL

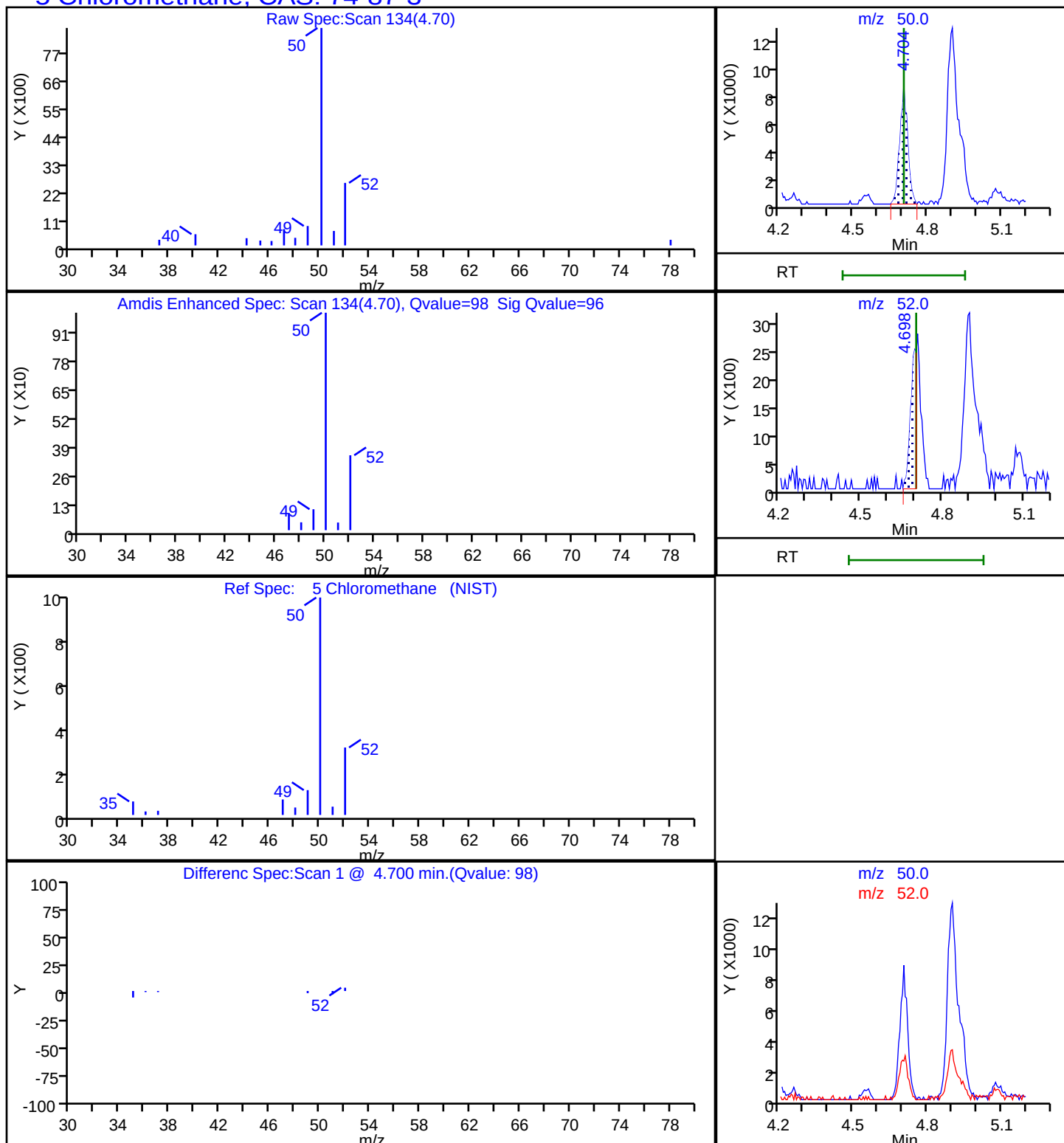
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

5 Chloromethane, CAS: 74-87-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 7

Worklist Smp#: 7

Purge Vol: 200.000 mL

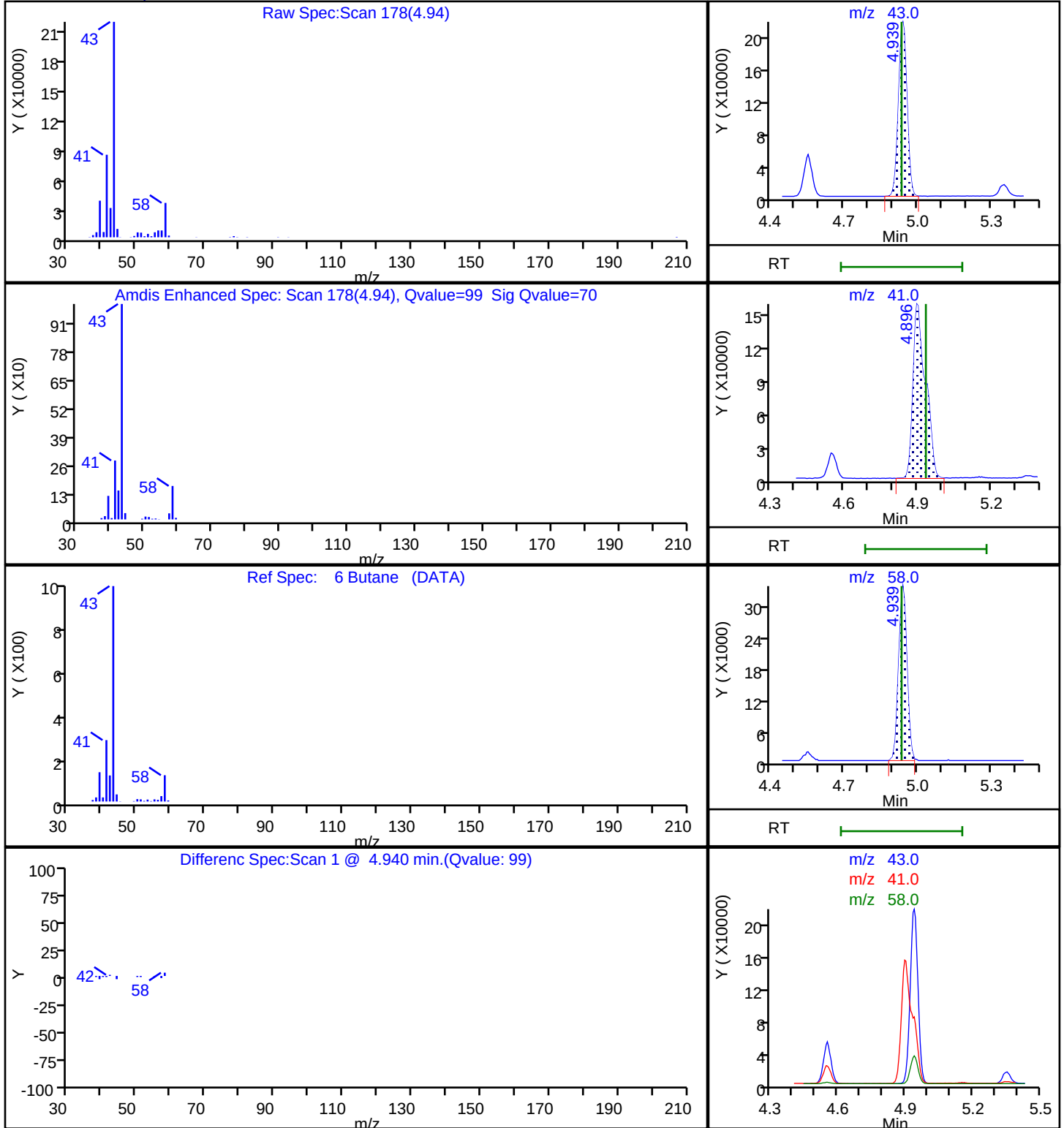
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

6 Butane, CAS: 106-97-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 7

Worklist Smp#: 7

Purge Vol: 200.000 mL

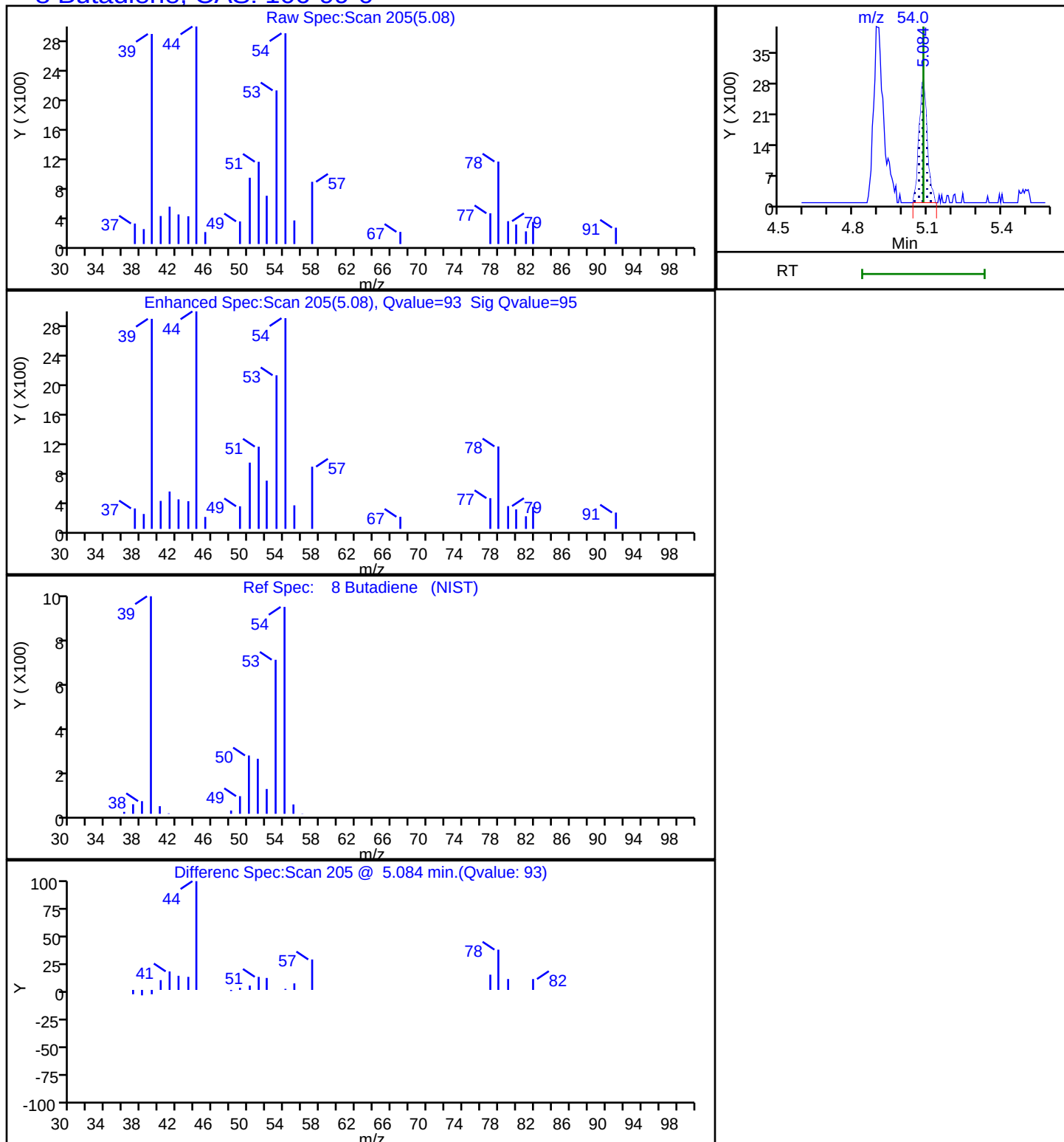
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

8 Butadiene, CAS: 106-99-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 7

Worklist Smp#: 7

Purge Vol: 200.000 mL

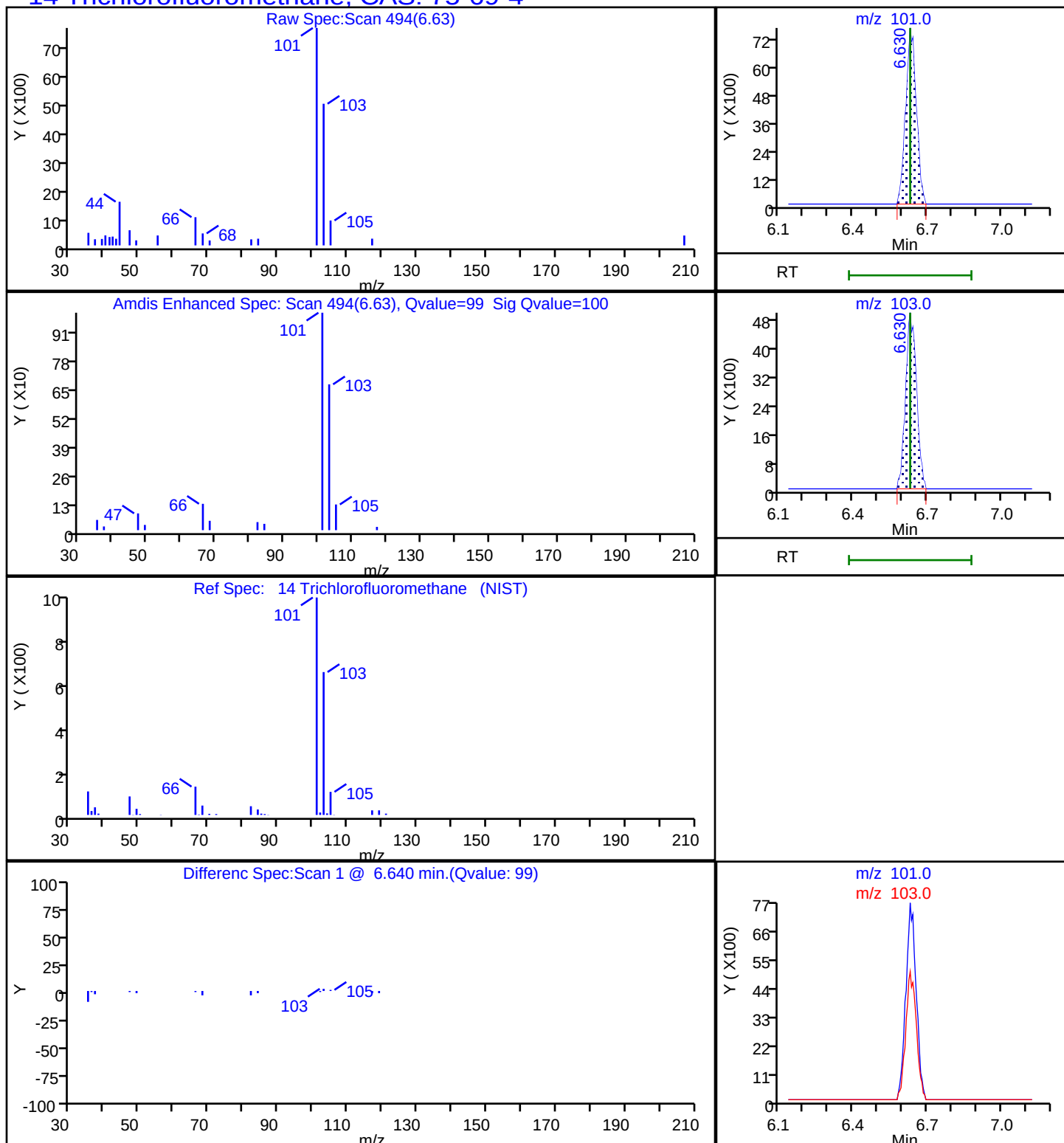
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

14 Trichlorofluoromethane, CAS: 75-69-4

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 7

Worklist Smp#: 7

Purge Vol: 200.000 mL

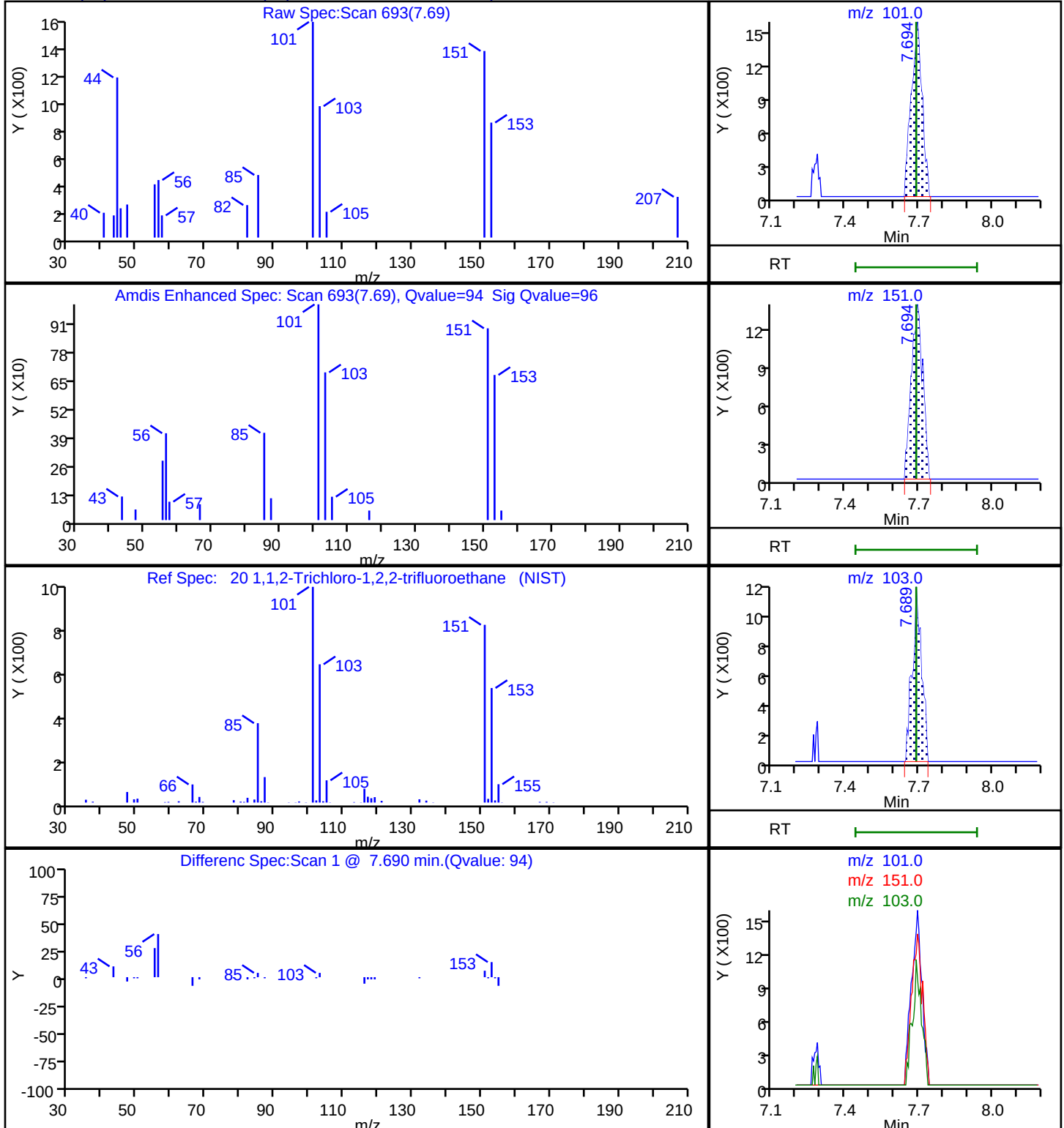
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 7

Worklist Smp#: 7

Purge Vol: 200.000 mL

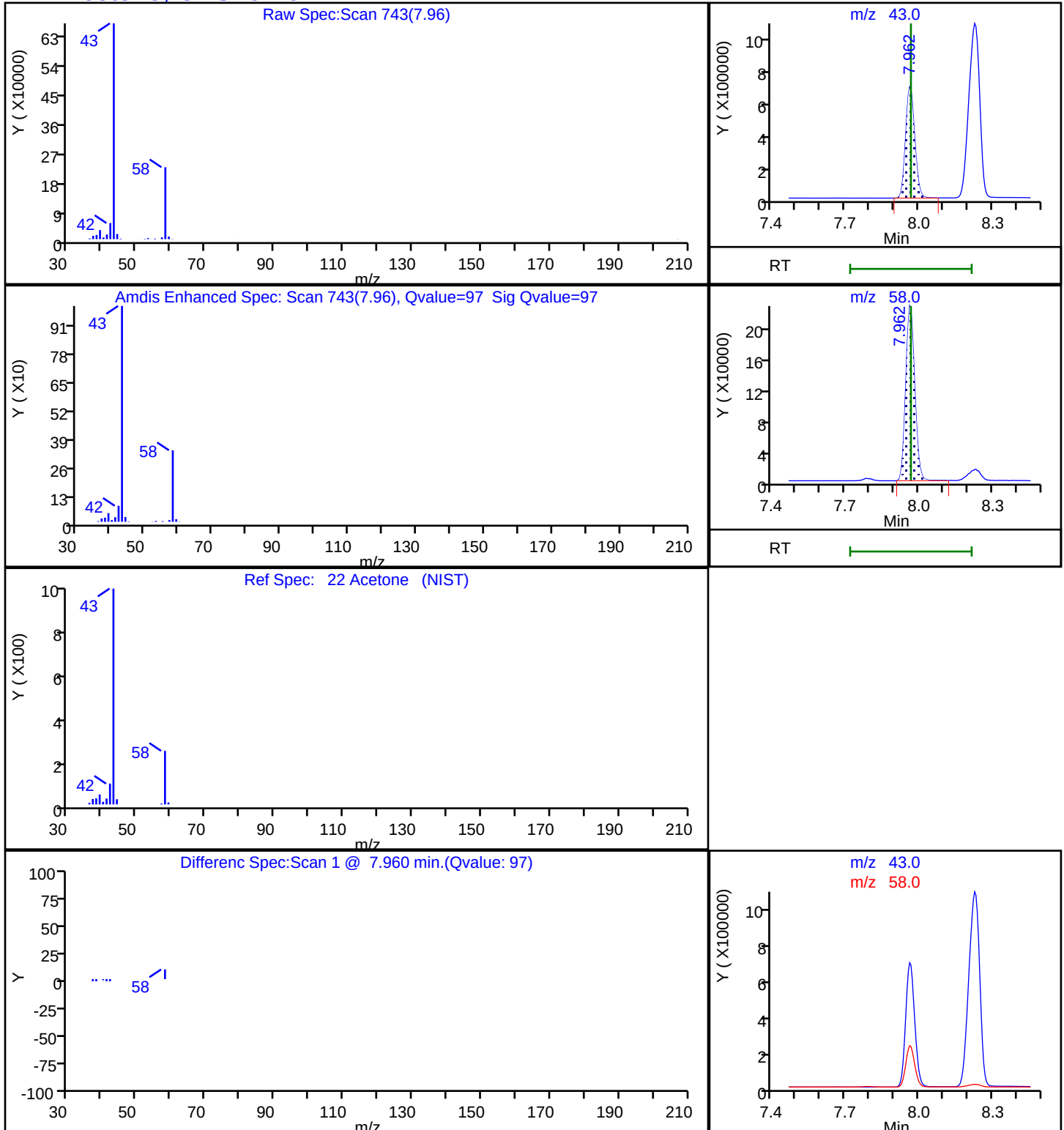
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

22 Acetone, CAS: 67-64-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 7

Worklist Smp#: 7

Purge Vol: 200.000 mL

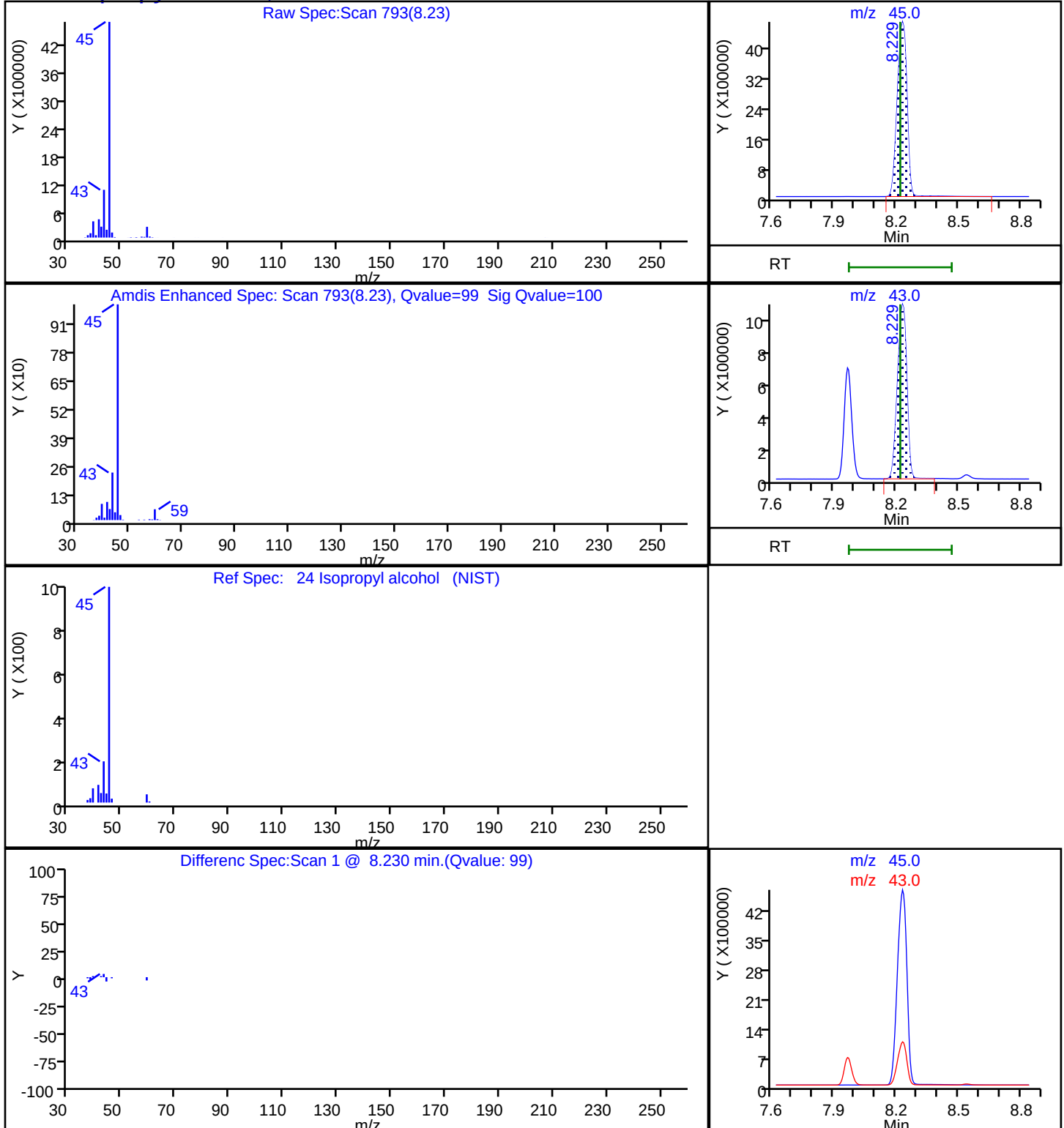
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 7

Worklist Smp#: 7

Purge Vol: 200.000 mL

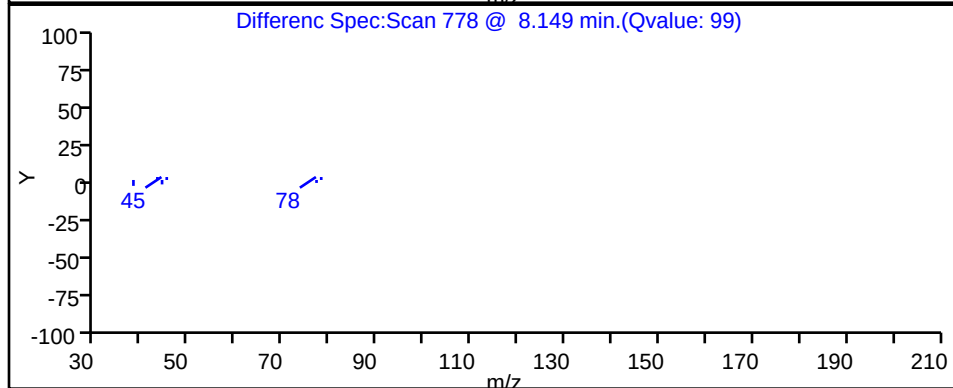
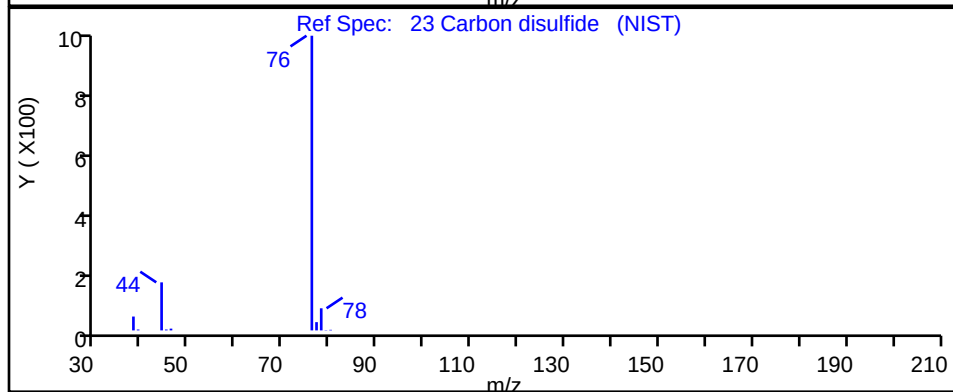
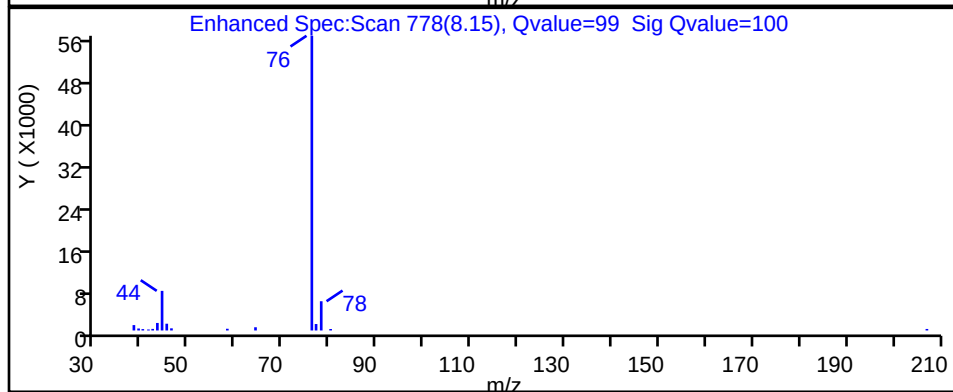
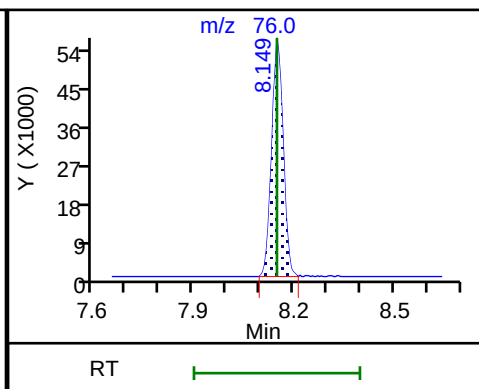
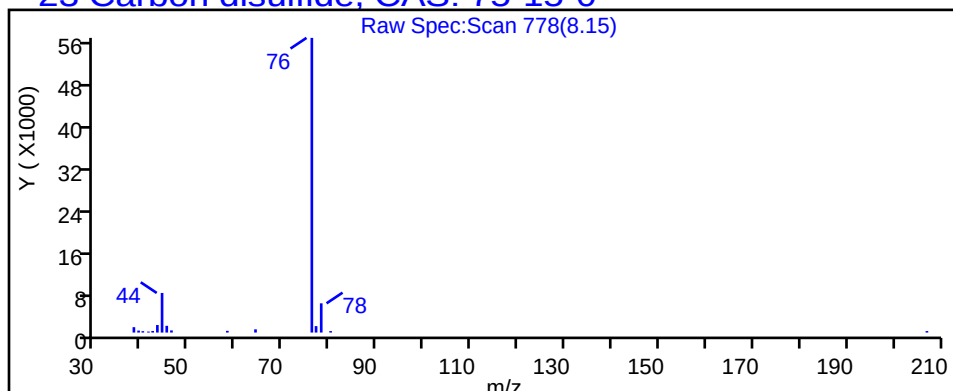
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

23 Carbon disulfide, CAS: 75-15-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 7

Worklist Smp#: 7

Purge Vol: 200.000 mL

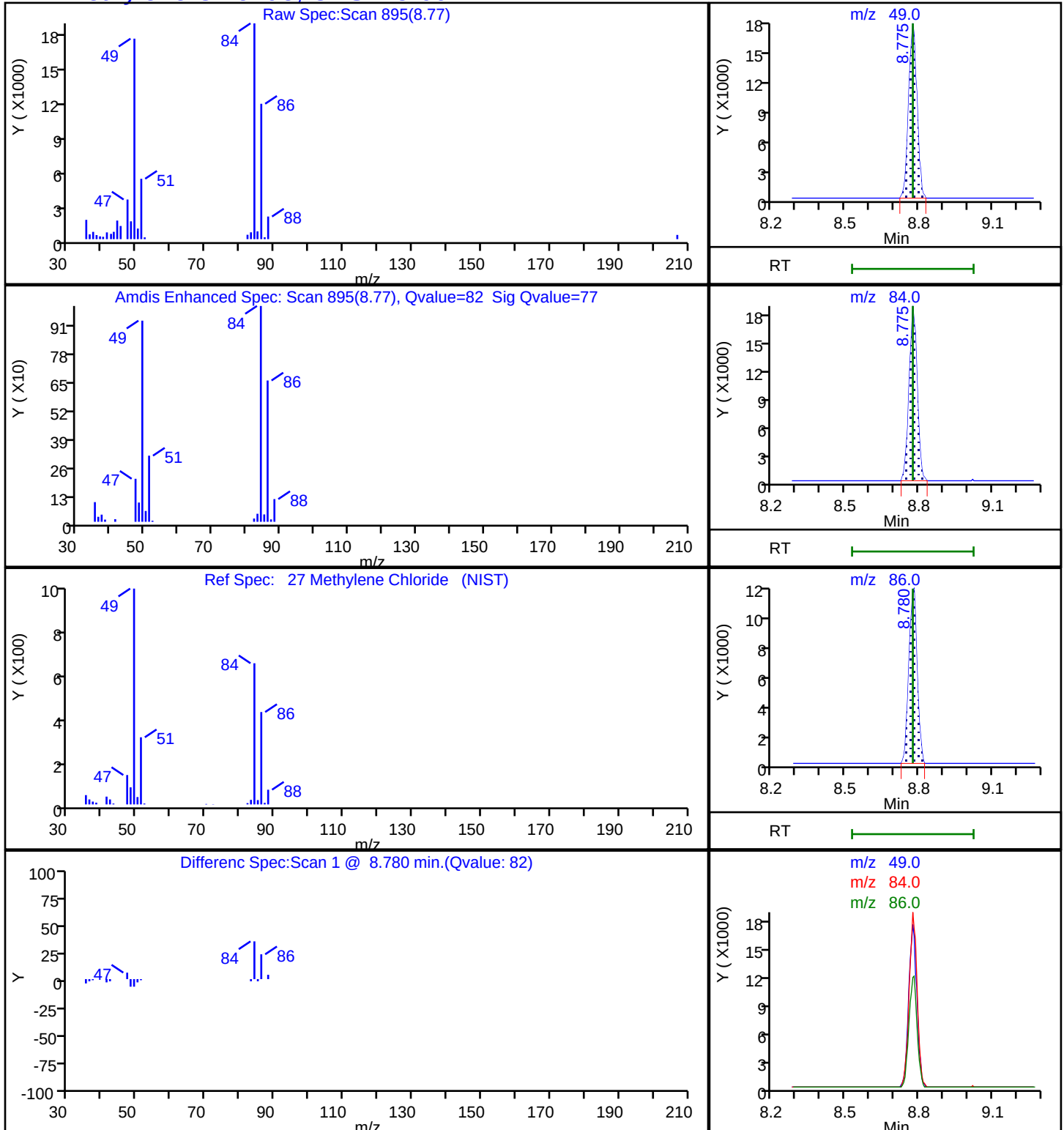
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

27 Methylene Chloride, CAS: 75-09-2

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 7

Worklist Smp#: 7

Purge Vol: 200.000 mL

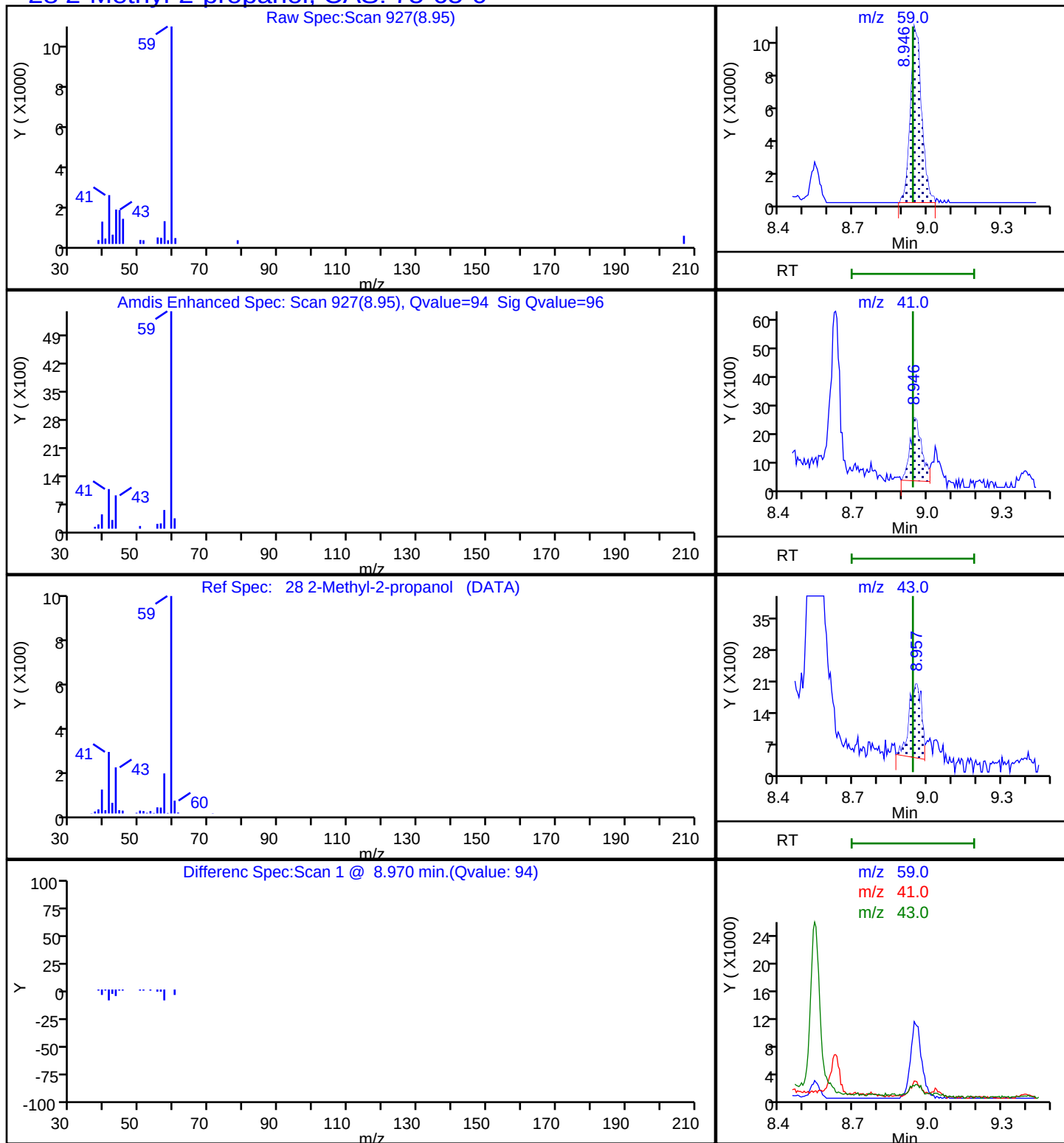
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 7

Worklist Smp#: 7

Purge Vol: 200.000 mL

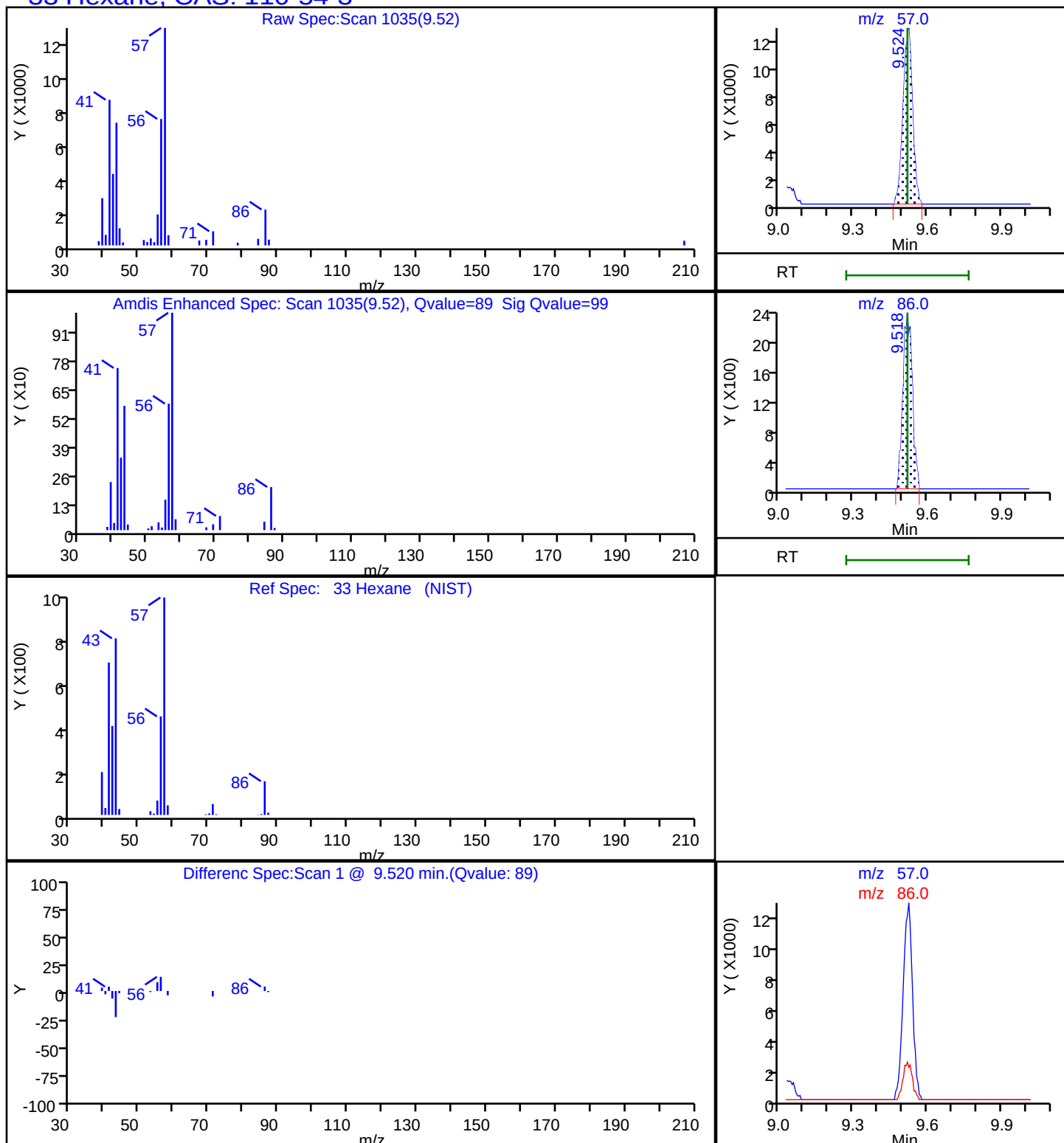
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

33 Hexane, CAS: 110-54-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 7

Worklist Smp#: 7

Purge Vol: 200.000 mL

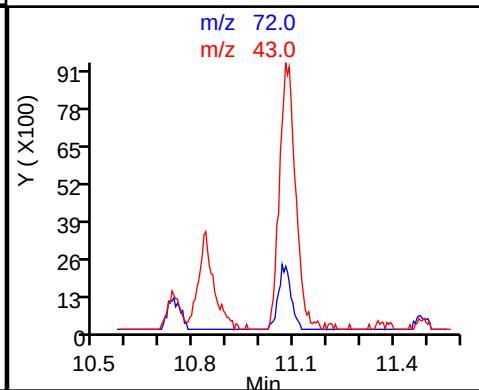
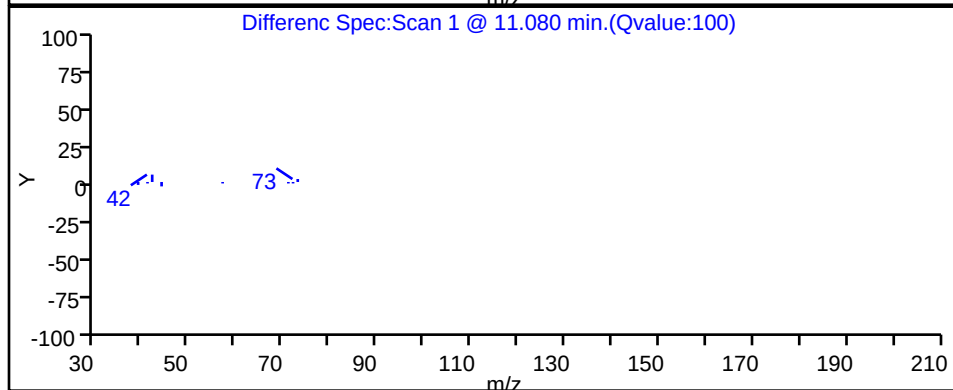
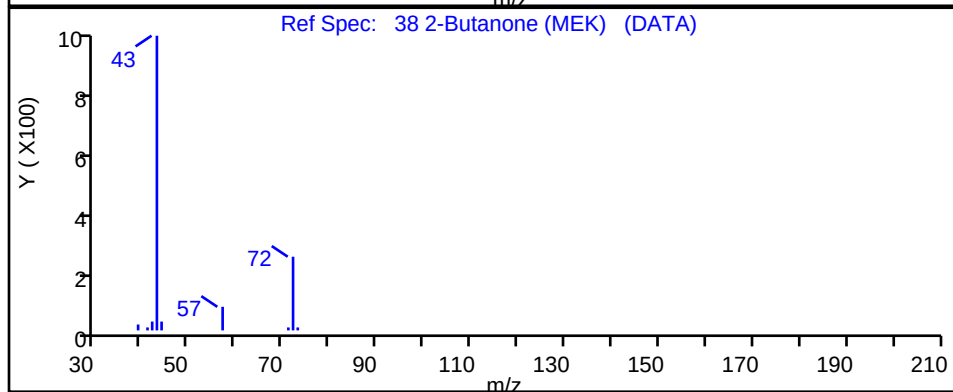
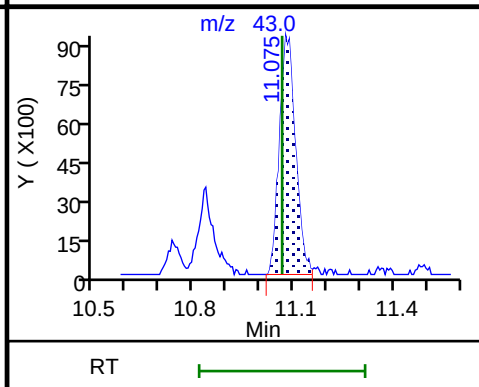
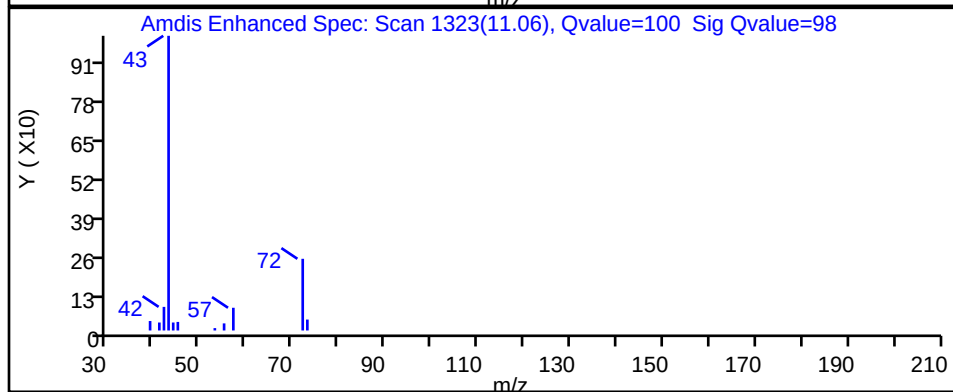
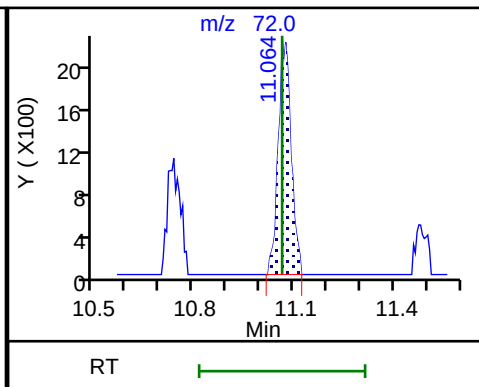
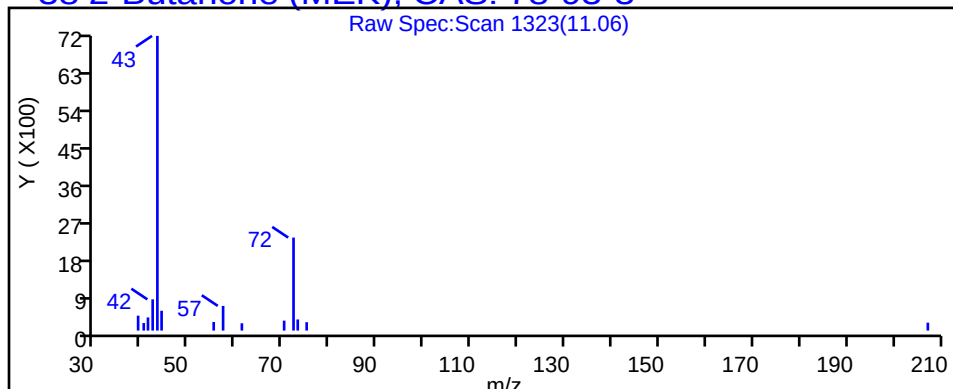
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

38 2-Butanone (MEK), CAS: 78-93-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 7

Worklist Smp#: 7

Purge Vol: 200.000 mL

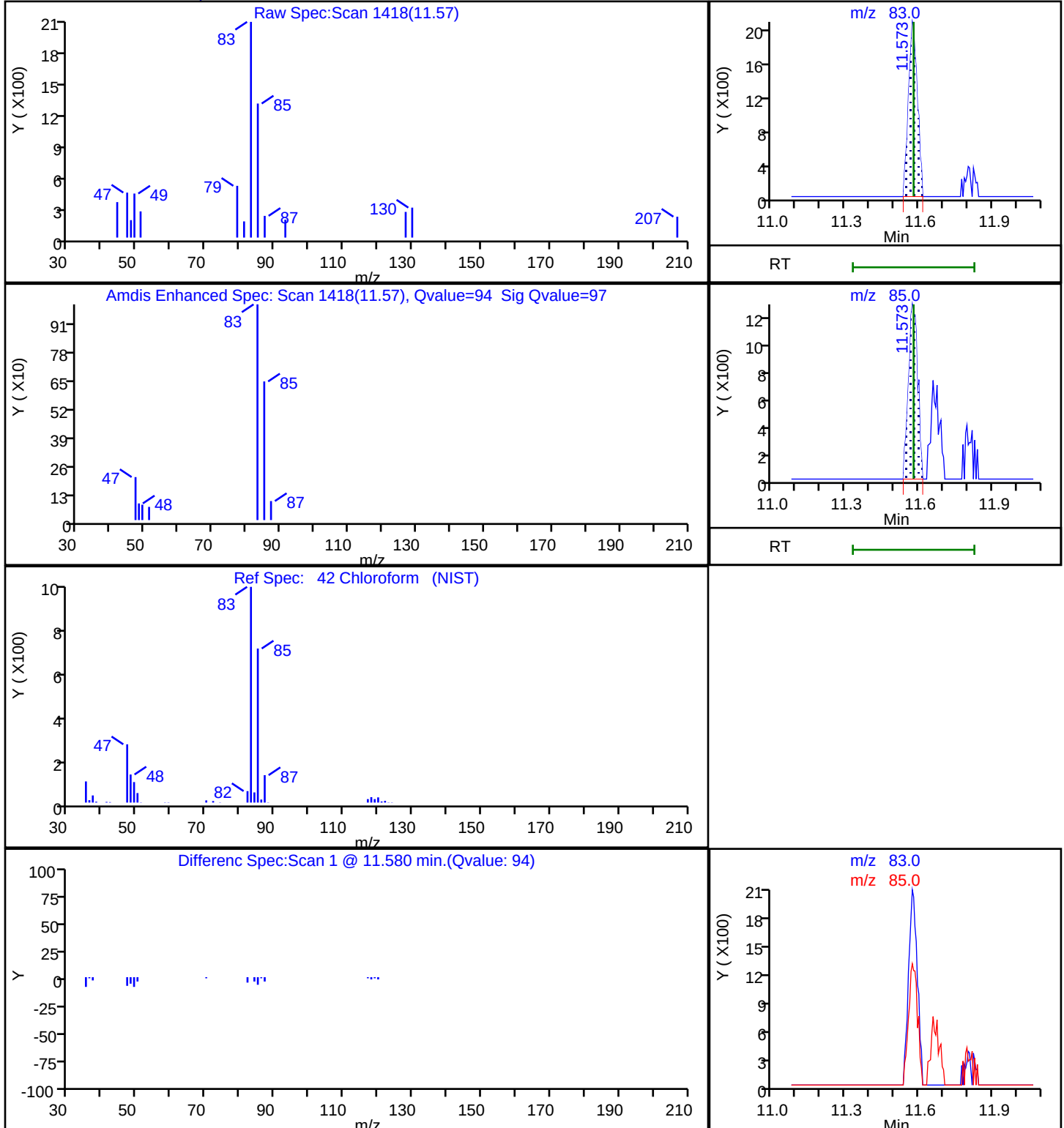
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

42 Chloroform, CAS: 67-66-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 7

Worklist Smp#: 7

Purge Vol: 200.000 mL

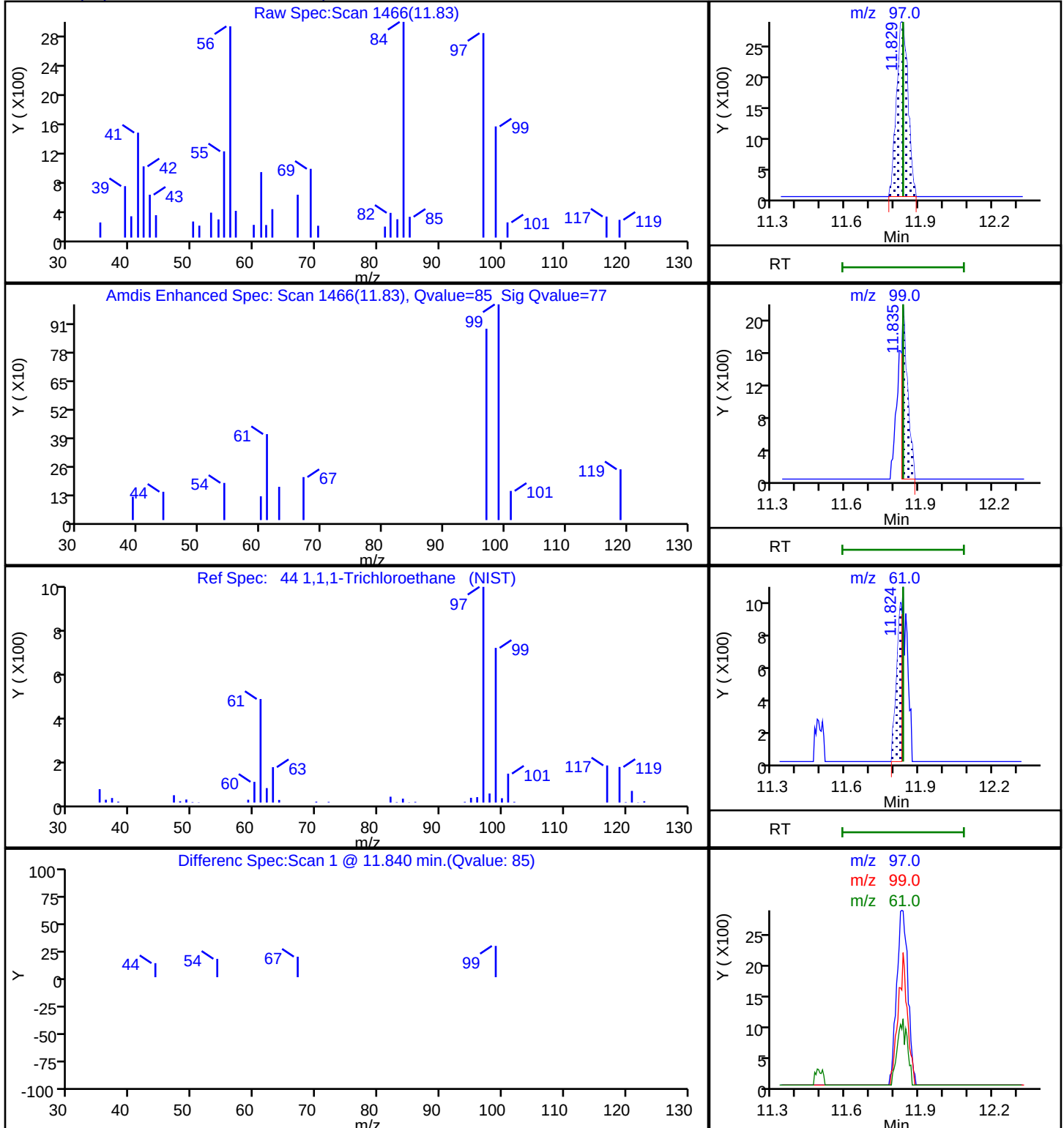
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

44 1,1,1-Trichloroethane, CAS: 71-55-6

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 7

Worklist Smp#: 7

Purge Vol: 200.000 mL

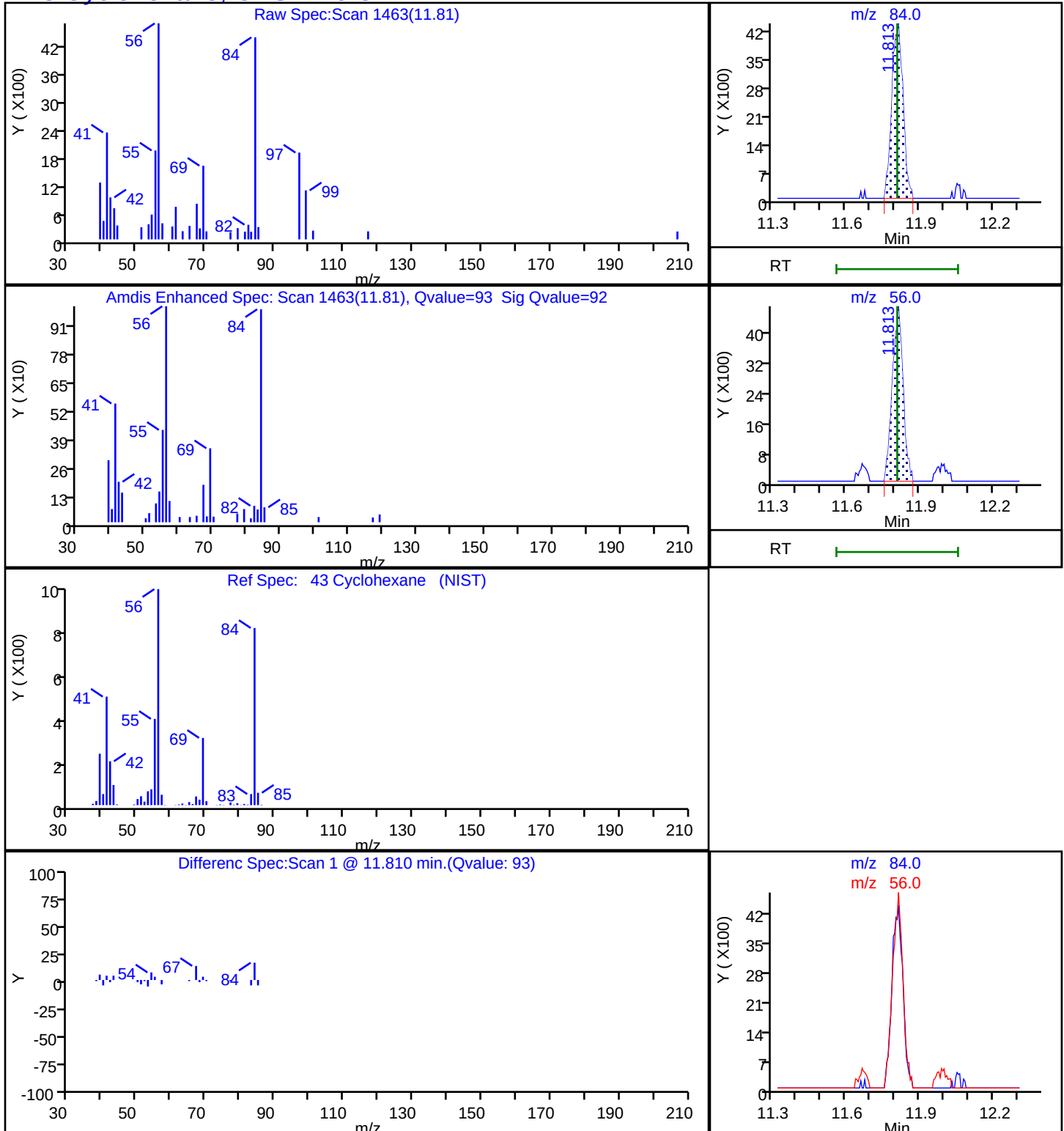
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 7

Worklist Smp#: 7

Purge Vol: 200.000 mL

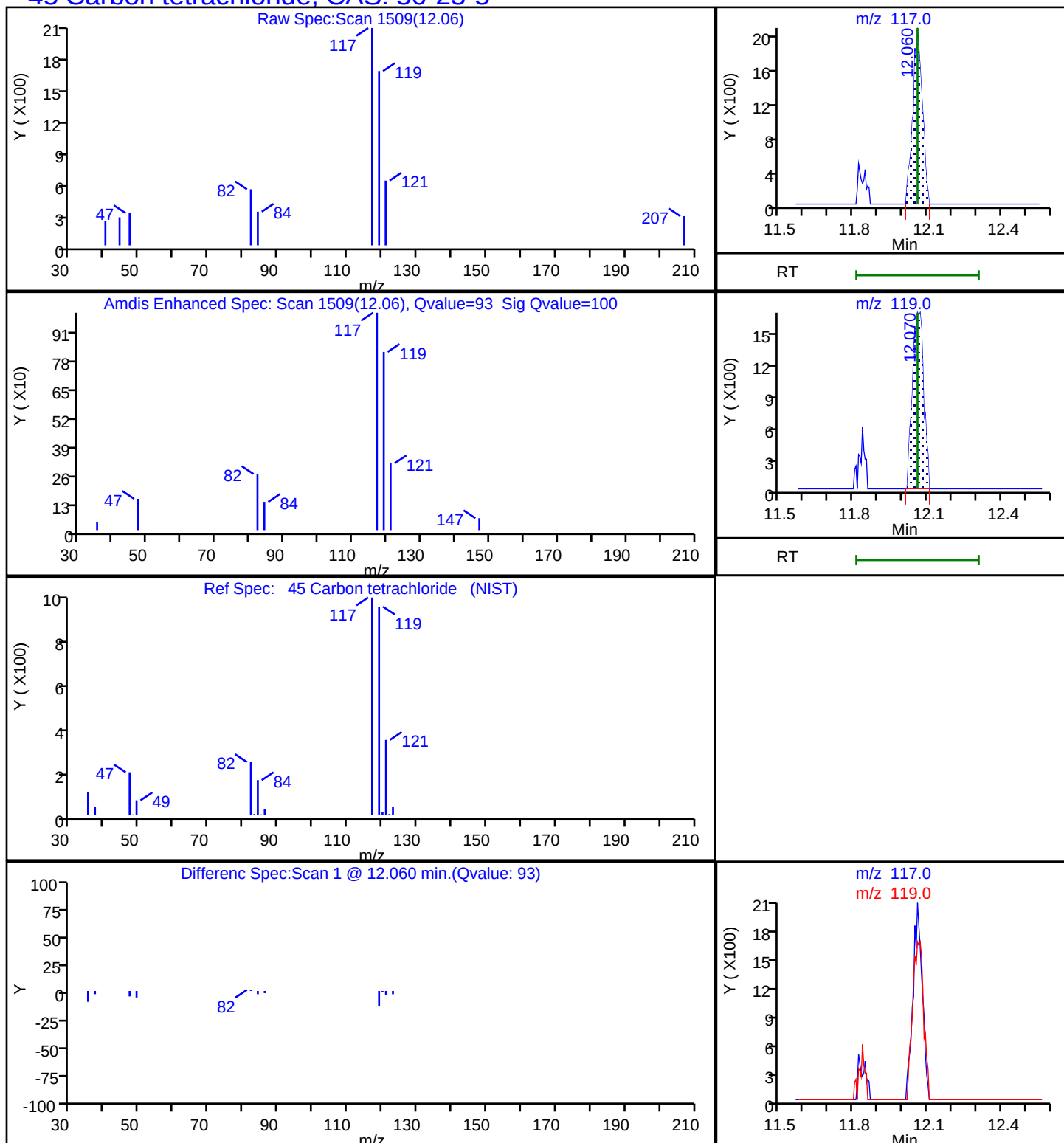
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

45 Carbon tetrachloride, CAS: 56-23-5

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 7

Worklist Smp#: 7

Purge Vol: 200.000 mL

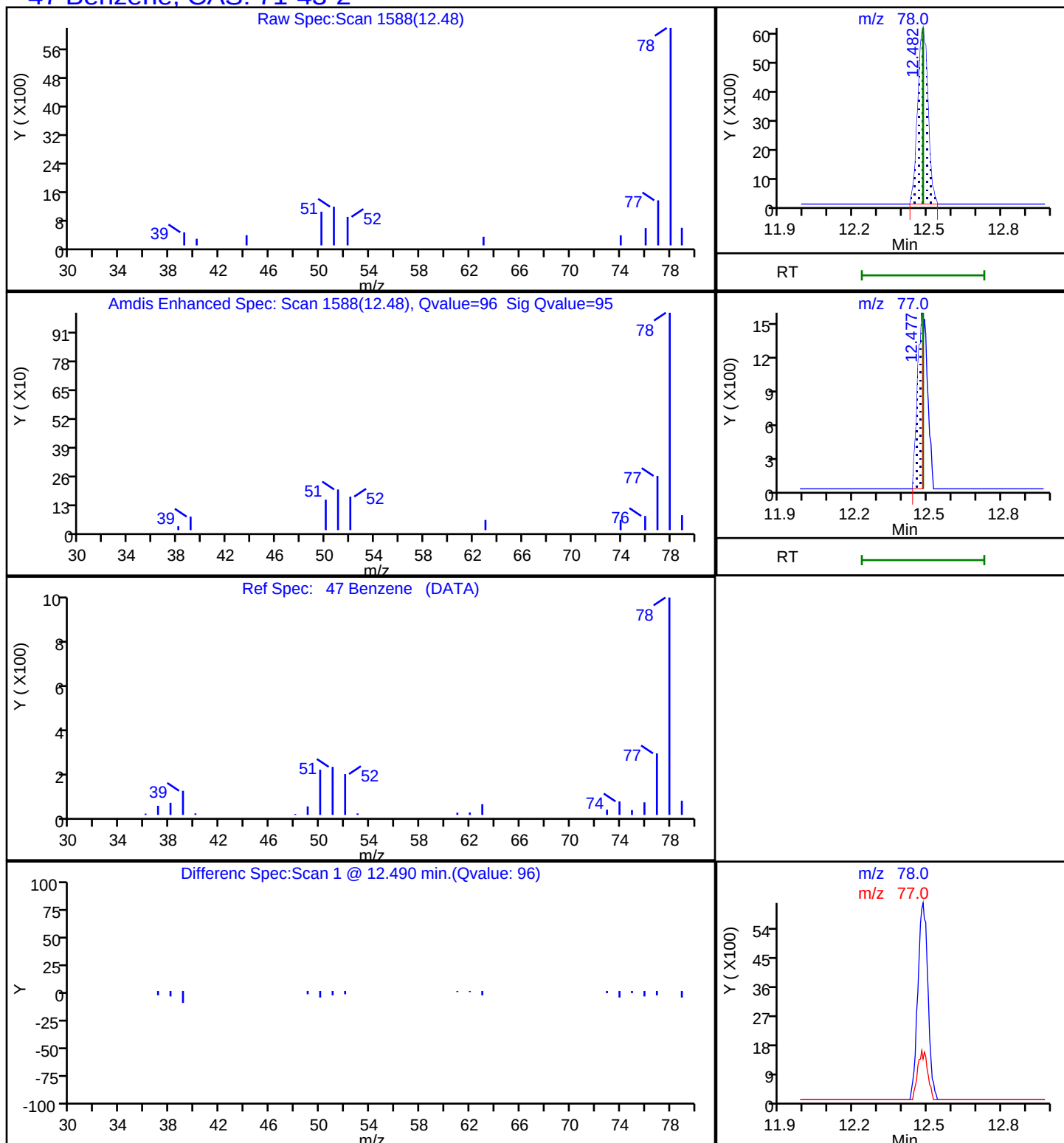
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

47 Benzene, CAS: 71-43-2

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 7

Worklist Smp#: 7

Purge Vol: 200.000 mL

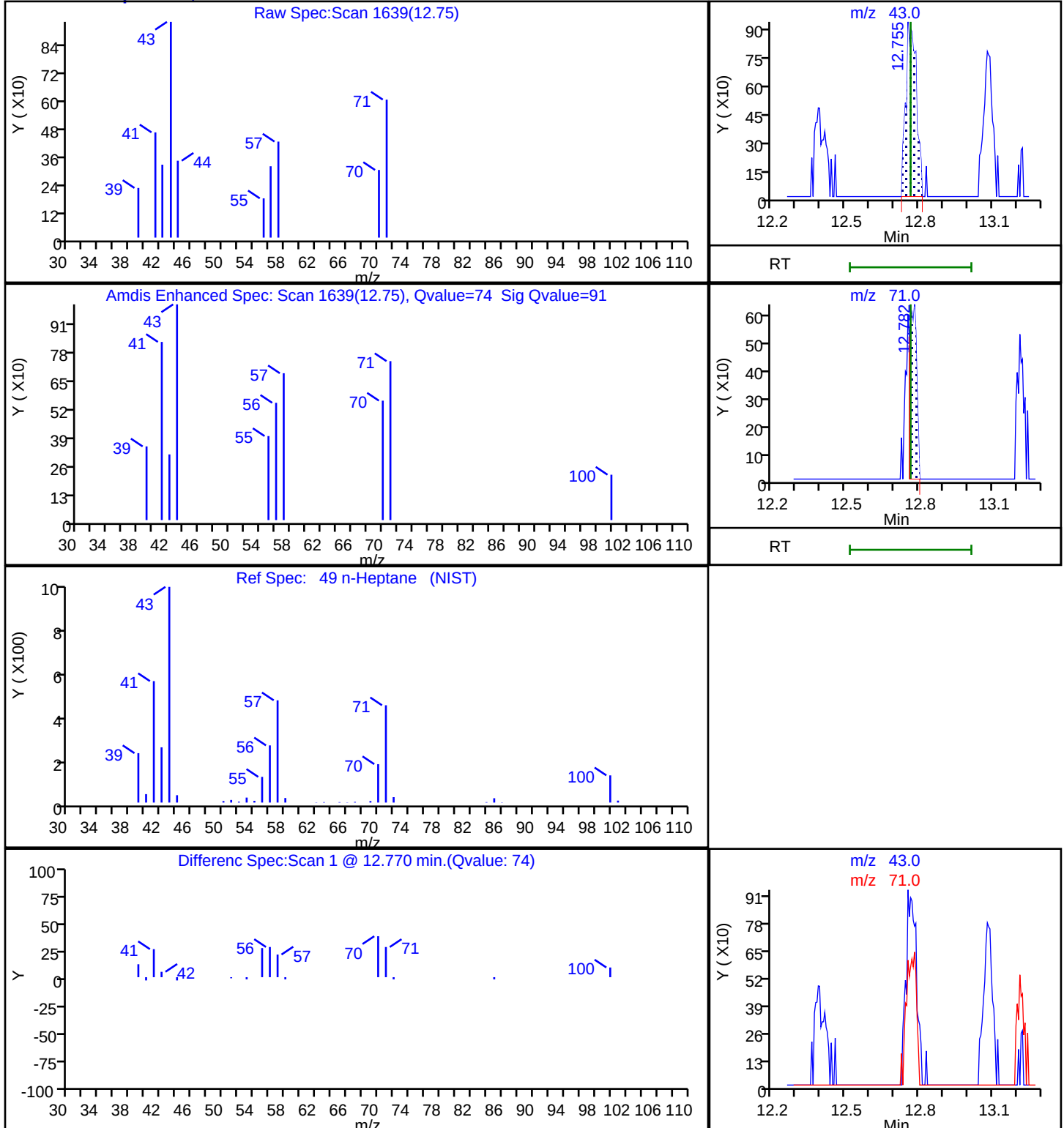
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

49 n-Heptane, CAS: 142-82-5

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 7

Worklist Smp#: 7

Purge Vol: 200.000 mL

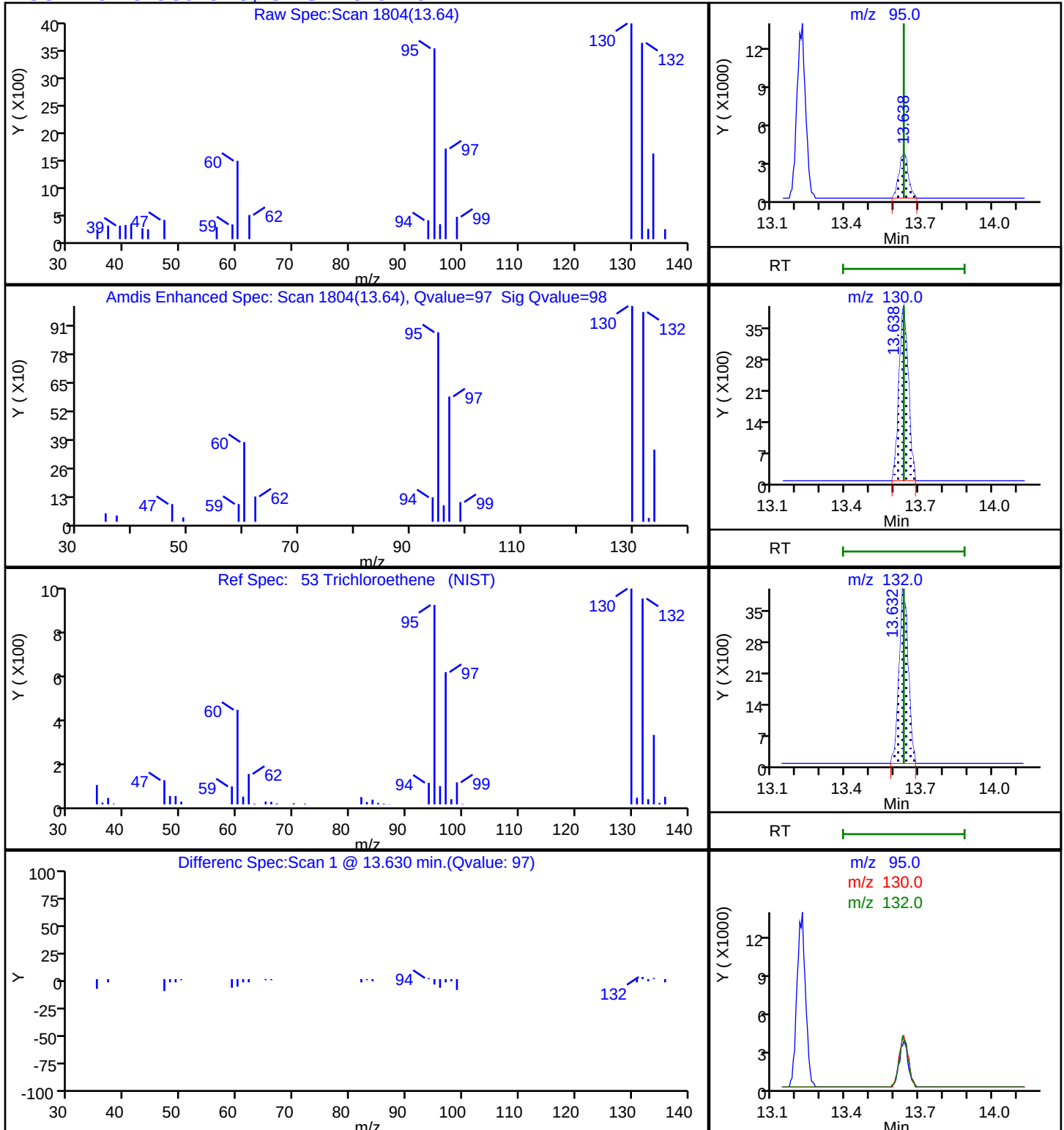
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

53 Trichloroethene, CAS: 79-01-6

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 7

Worklist Smp#: 7

Purge Vol: 200.000 mL

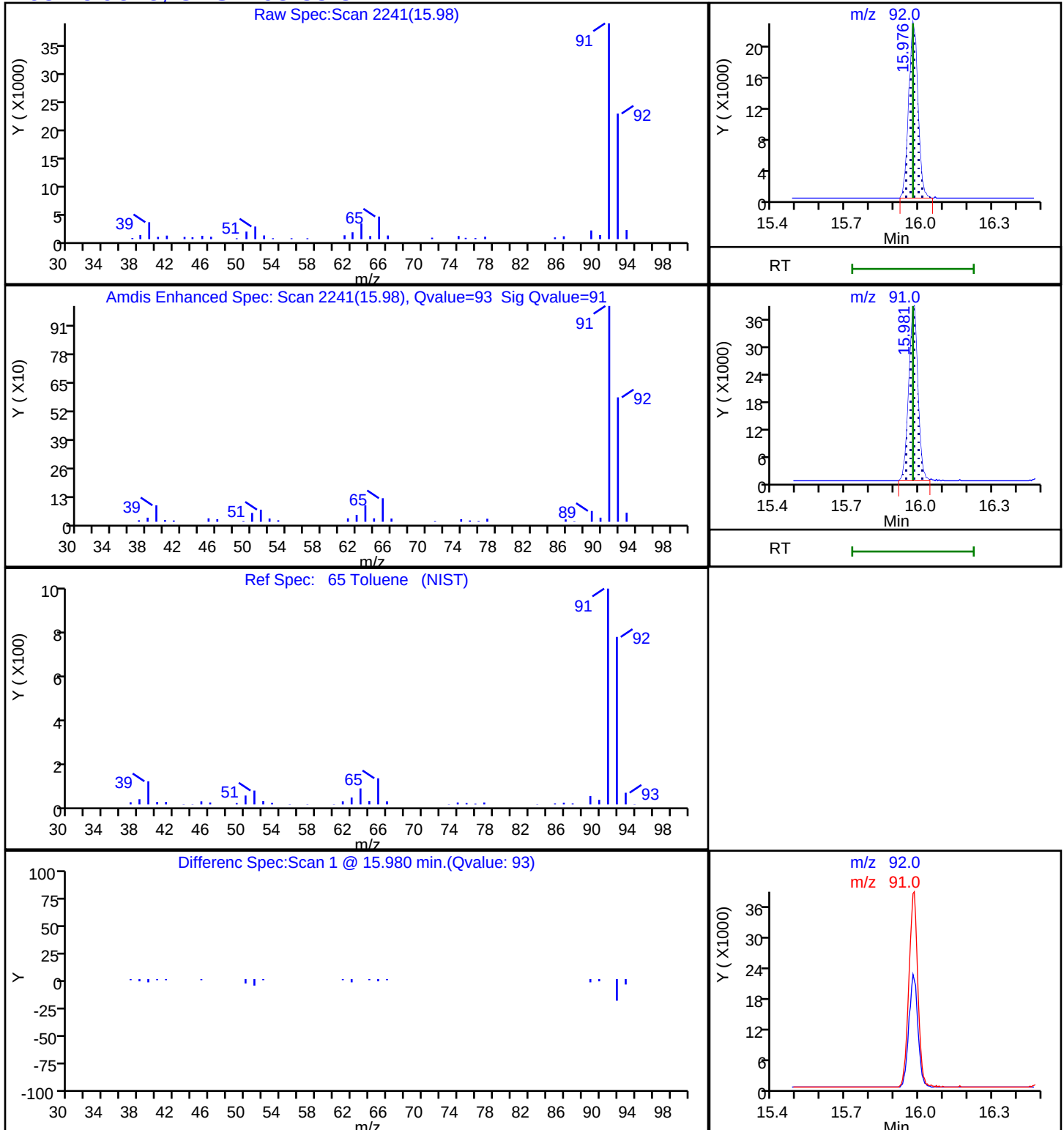
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

65 Toluene, CAS: 108-88-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 7

Worklist Smp#: 7

Purge Vol: 200.000 mL

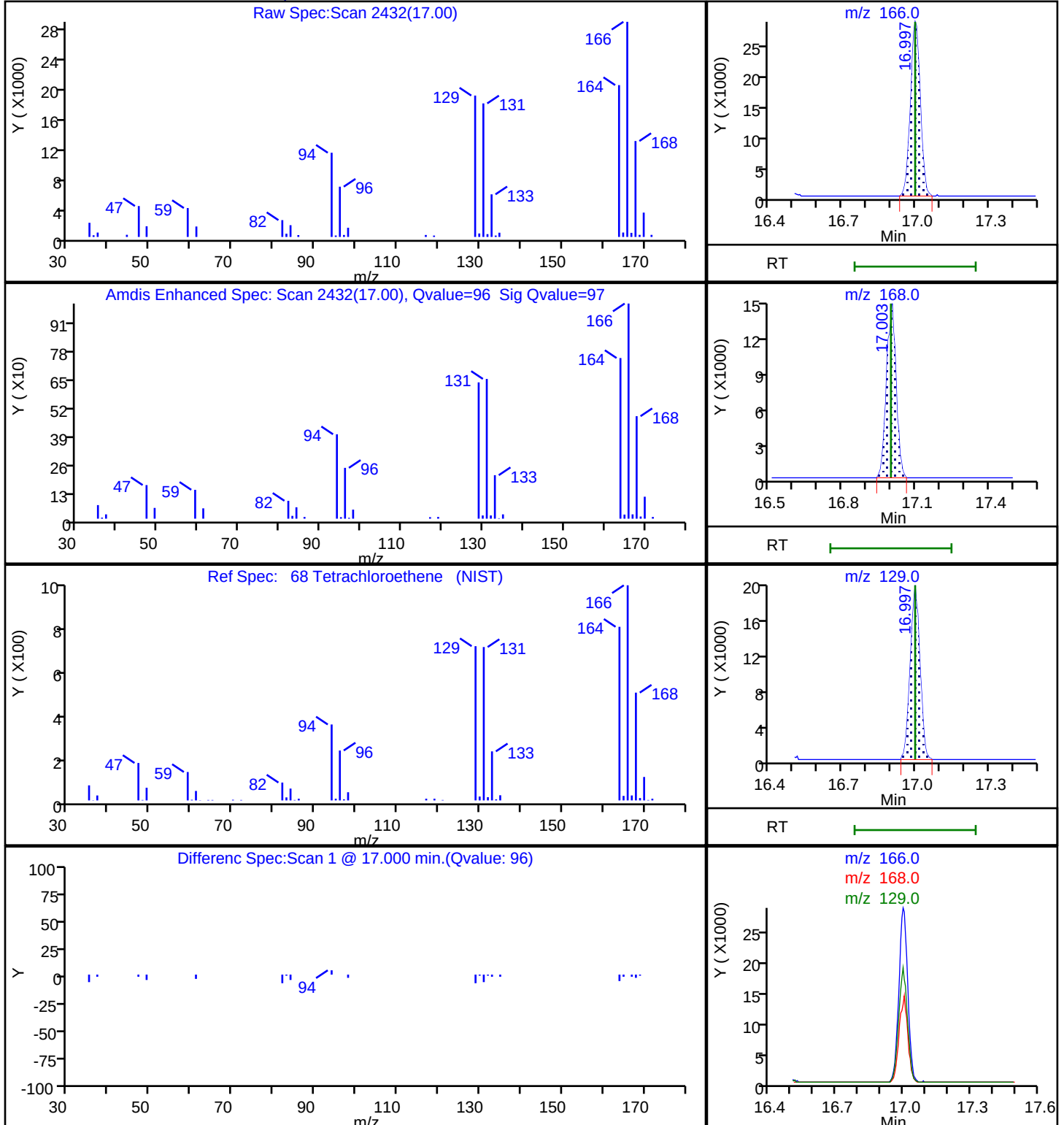
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

68 Tetrachloroethene, CAS: 127-18-4

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 7

Worklist Smp#: 7

Purge Vol: 200.000 mL

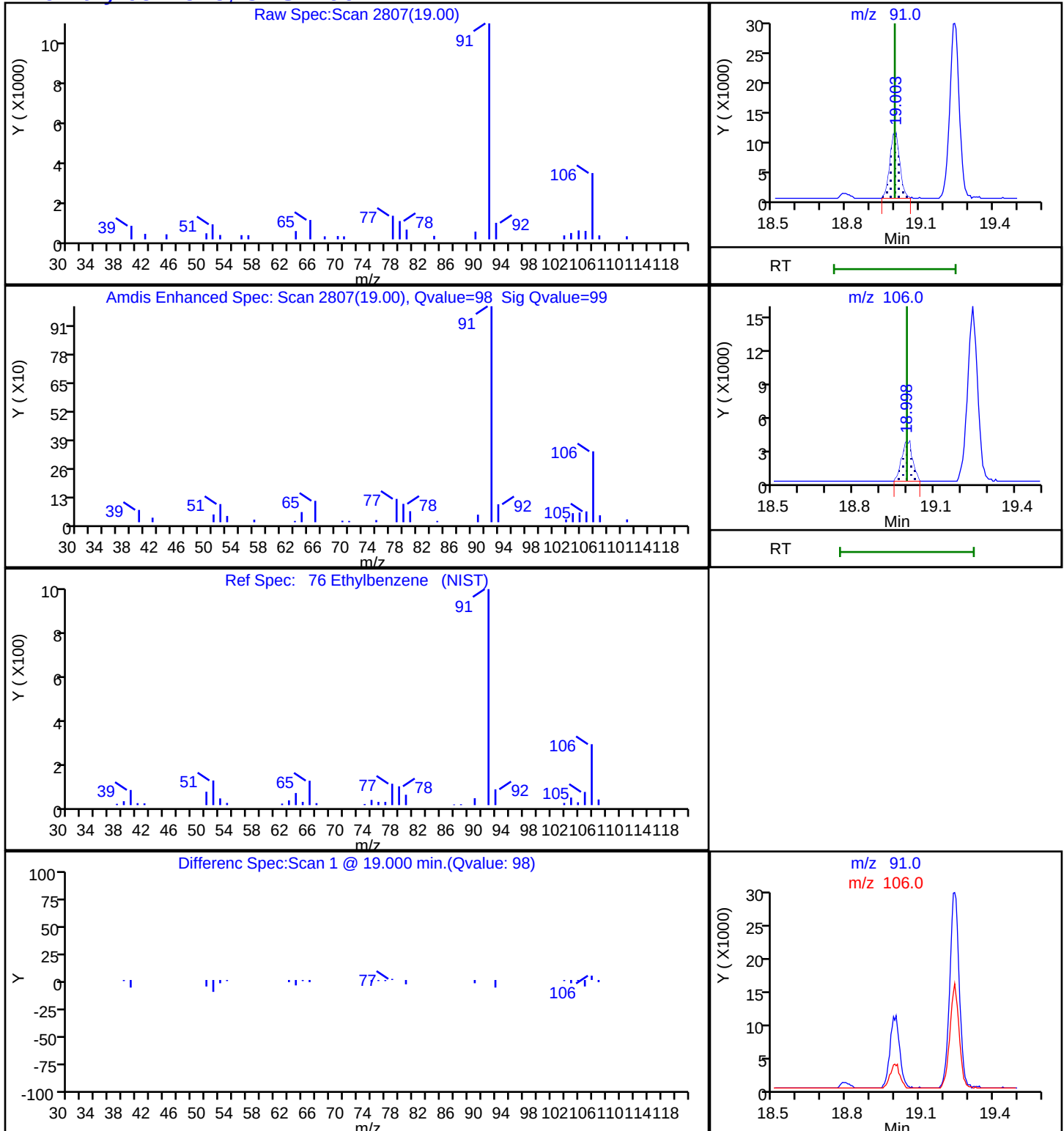
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 Ethylbenzene, CAS: 100-41-4

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 7

Worklist Smp#: 7

Purge Vol: 200.000 mL

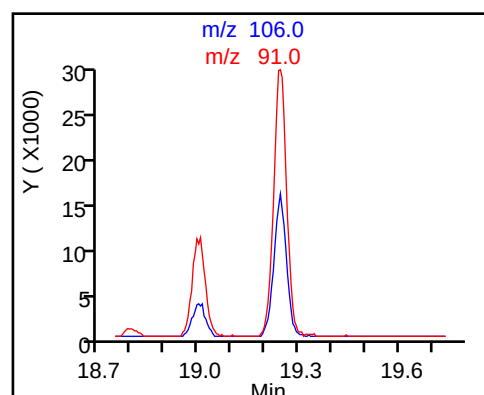
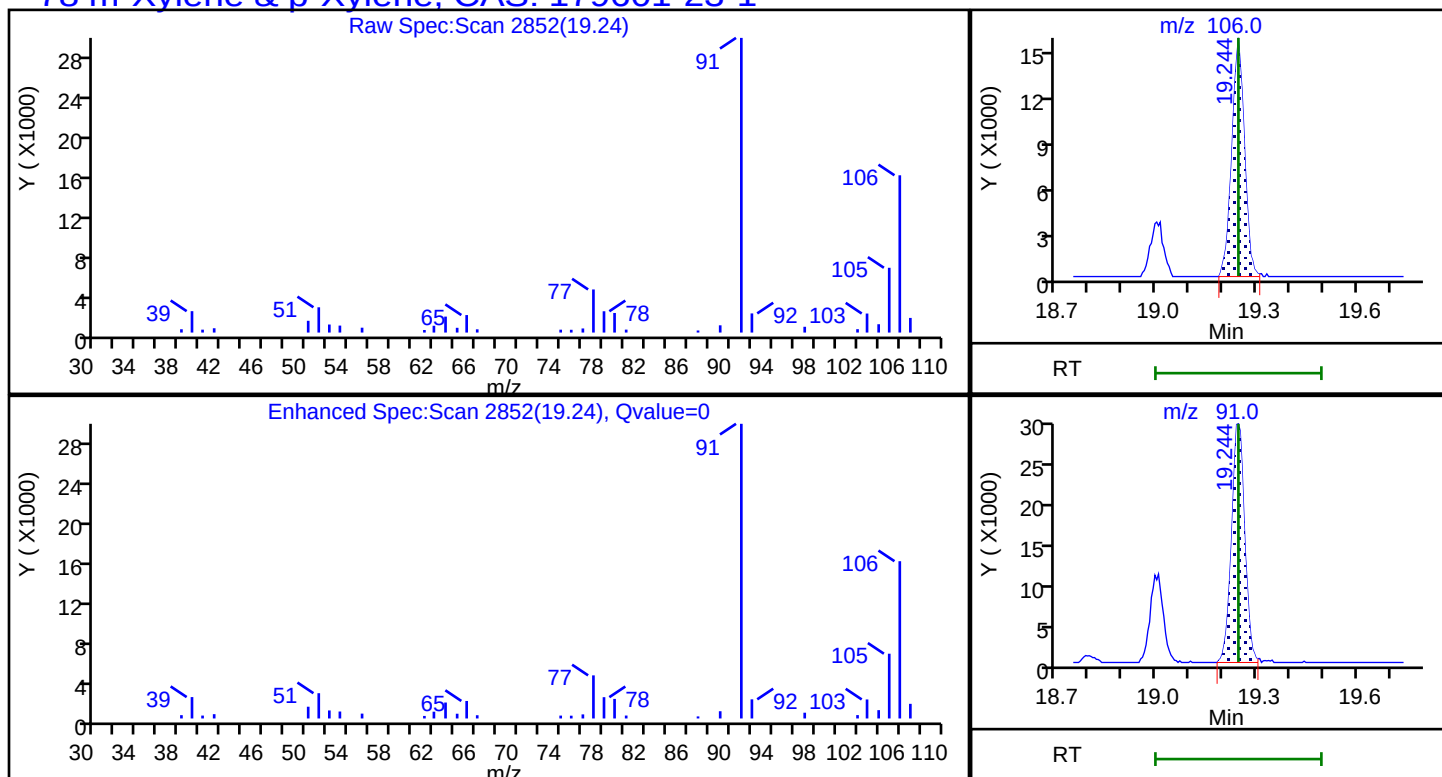
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

78 m-Xylene & p-Xylene, CAS: 179601-23-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 7

Worklist Smp#: 7

Purge Vol: 200.000 mL

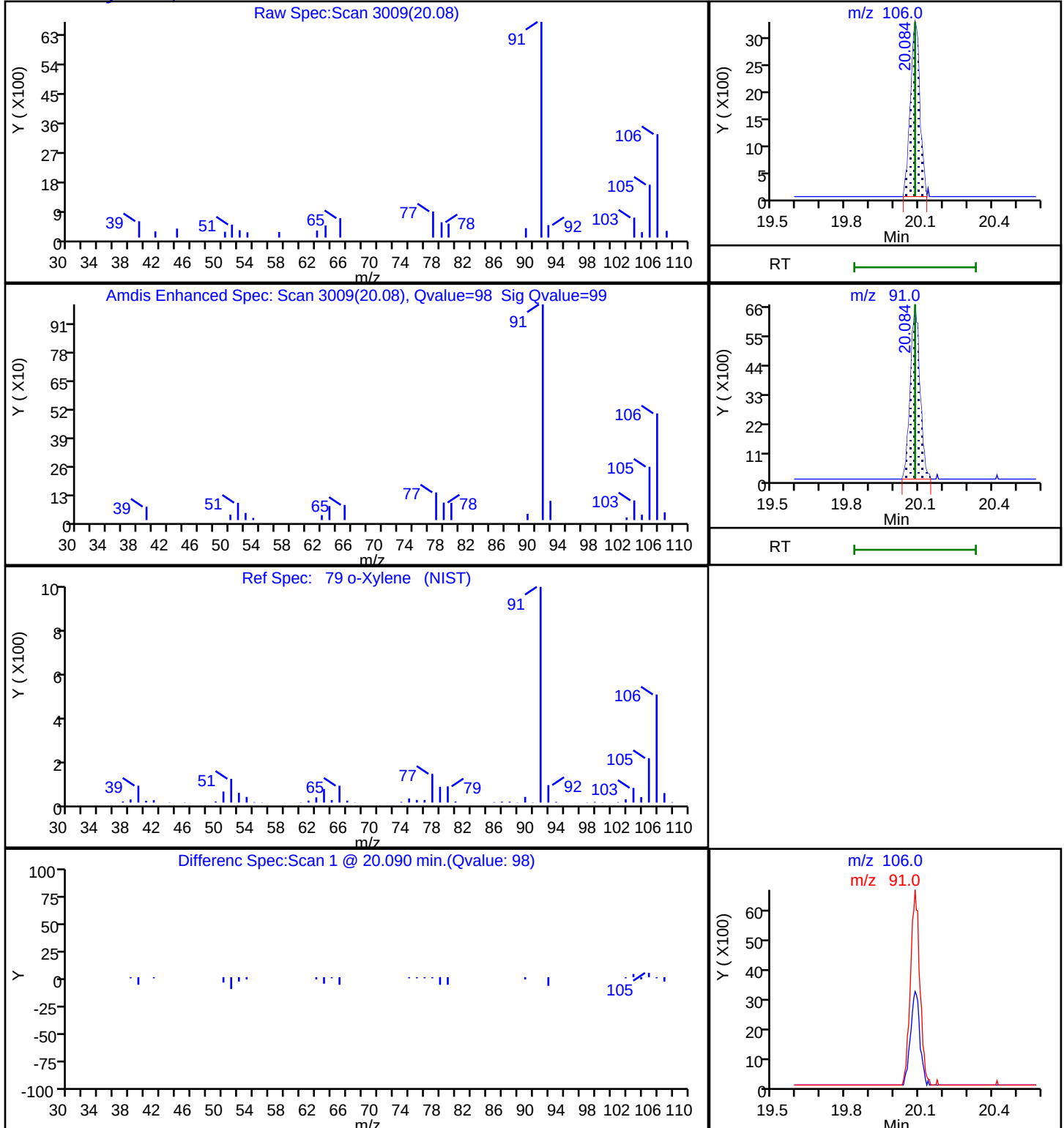
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

79 o-Xylene, CAS: 95-47-6

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 7 Worklist Smp#: 7

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

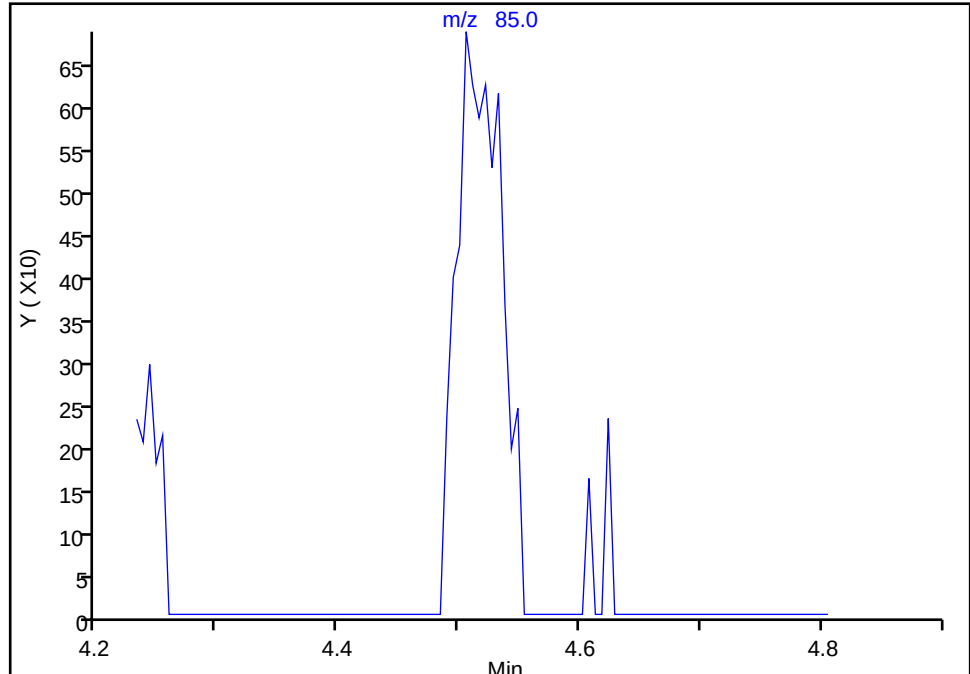
4 1,2-Dichloro-1,1,2,2-tetrafluoroethane, CAS: 76-14-2

Signal: 1

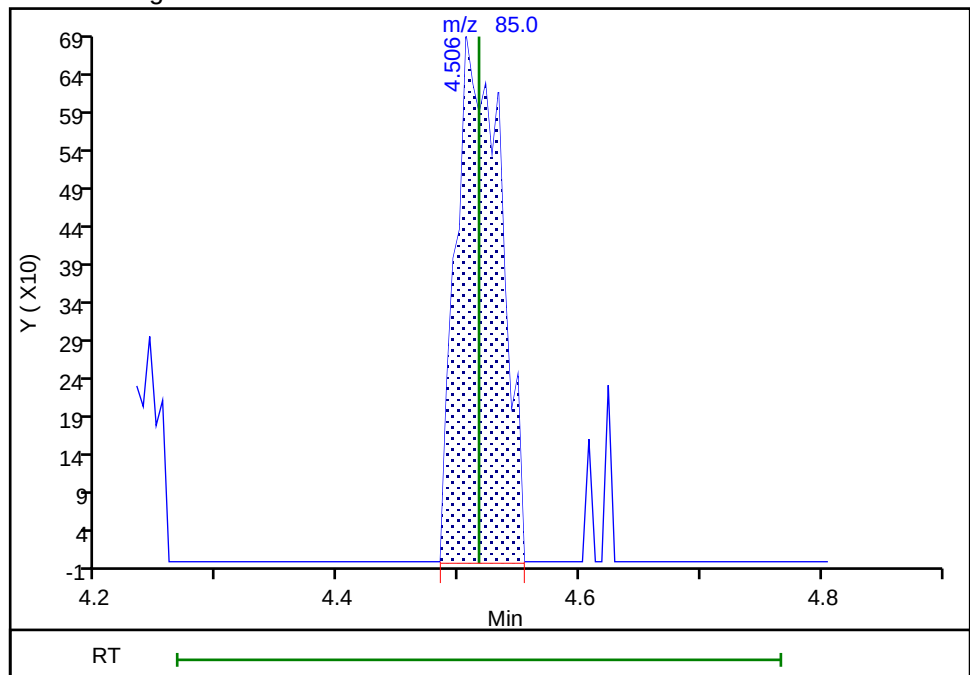
Not Detected

Expected RT: 4.52

Processing Integration Results



Manual Integration Results



Reviewer: puangmaleek, 24-Feb-2020 10:29:19

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

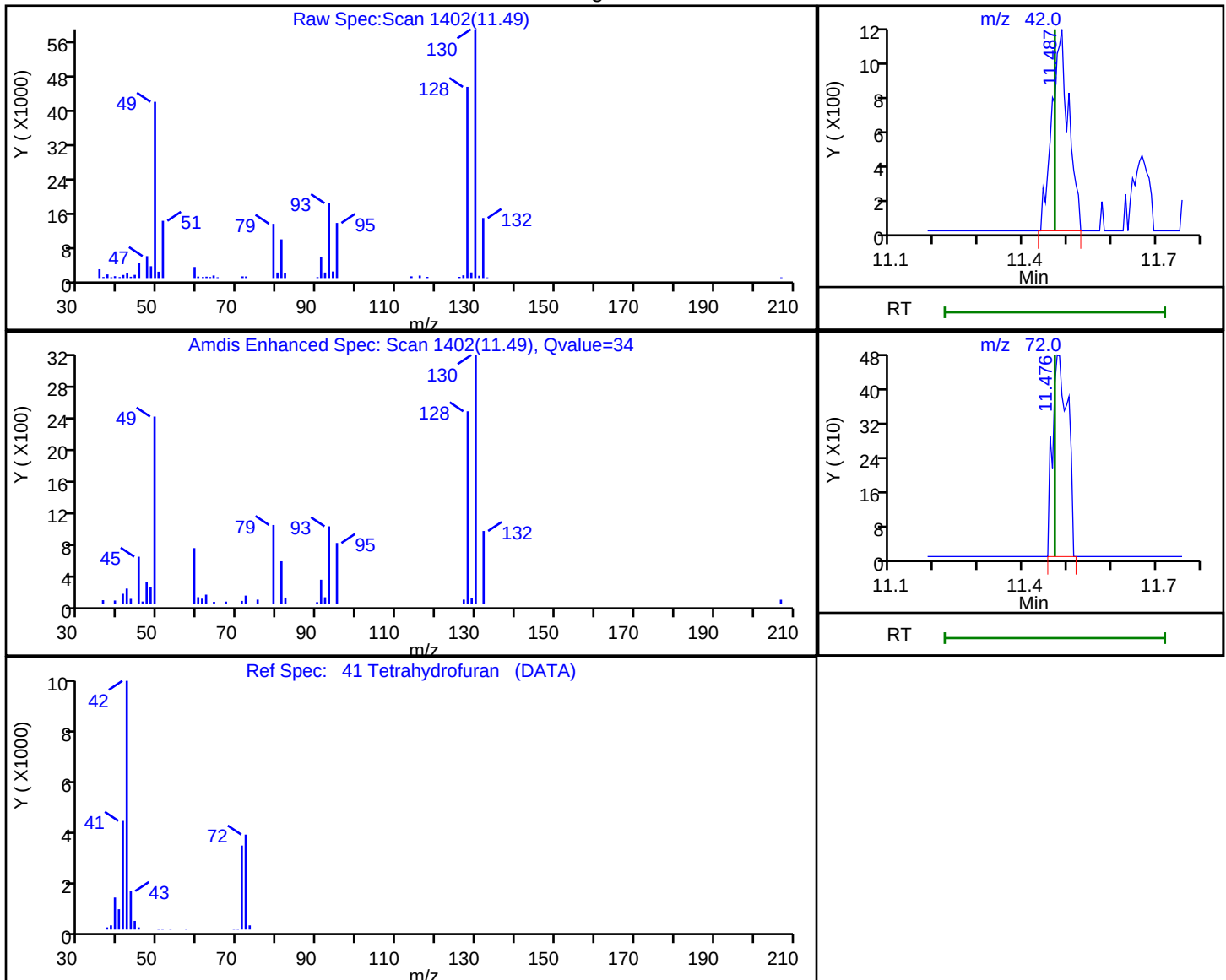
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

41 Tetrahydrofuran, CAS: 109-99-9

Processing Results



RT	Mass	Response	Amount
11.49	42.00	2892	0.140885
11.48	72.00	1129	

Reviewer: puangmaleek, 24-Feb-2020 10:30:10

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

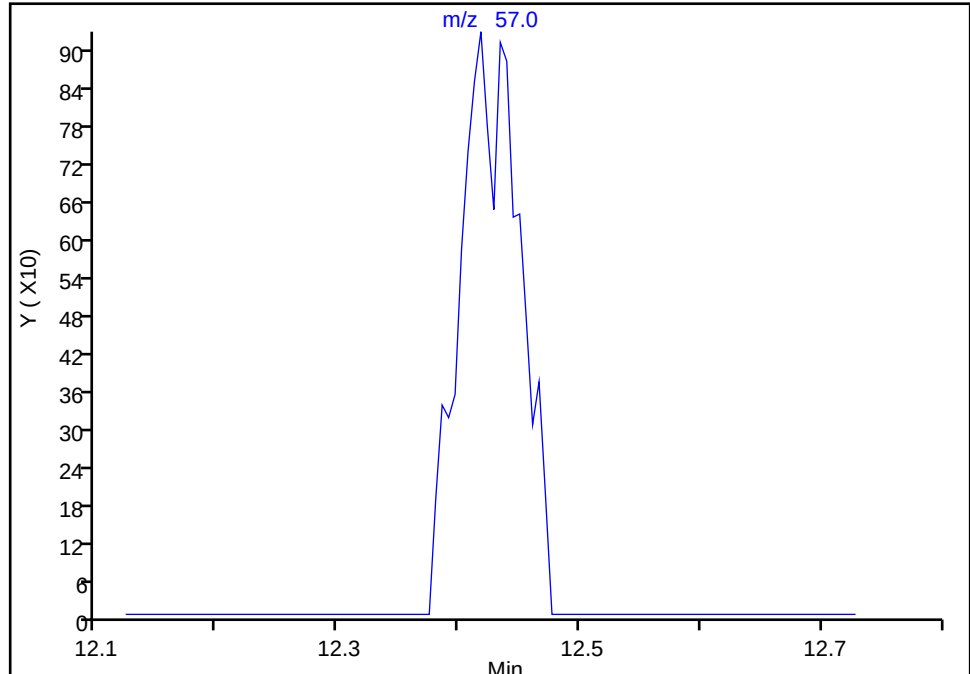
Data File:	\\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D		
Injection Date:	21-Feb-2020 12:19:30	Instrument ID:	CHX.i
Lims ID:	200-52685-A-5	Lab Sample ID:	200-52685-5
Client ID:	SS-SV-05-021420		
Operator ID:	ggg	ALS Bottle#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	7

46 Isooctane, CAS: 540-84-1

Signal: 1

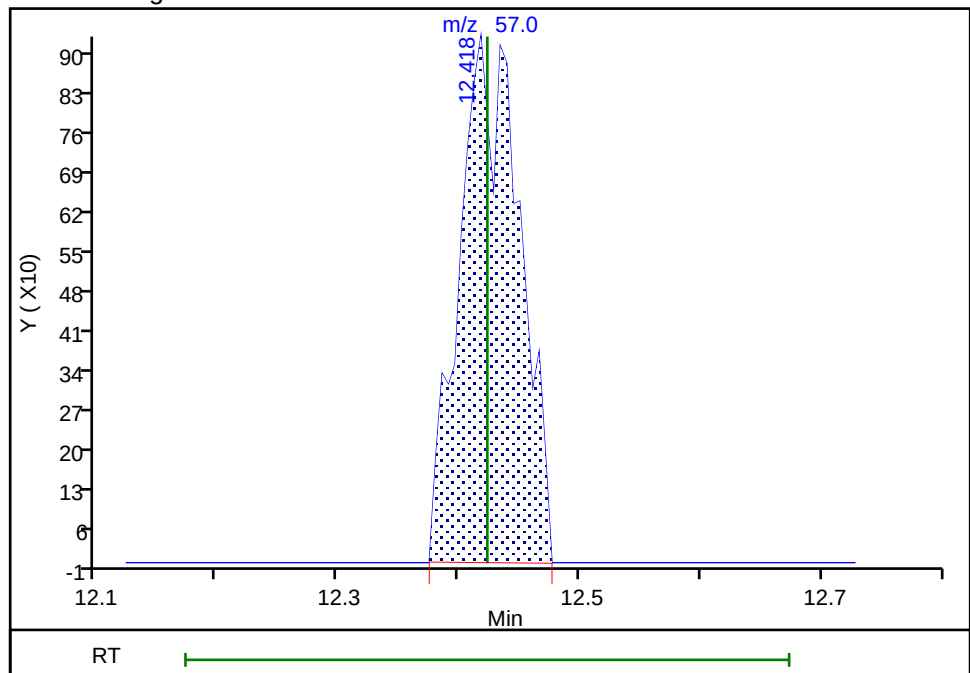
Not Detected
Expected RT: 12.42

Processing Integration Results



RT: 12.42
Area: 3236
Amount: 0.028654
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 24-Feb-2020 10:30:30
Audit Action: Manually Integrated

Audit Reason: Assign Peak
Page 372 of 968

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

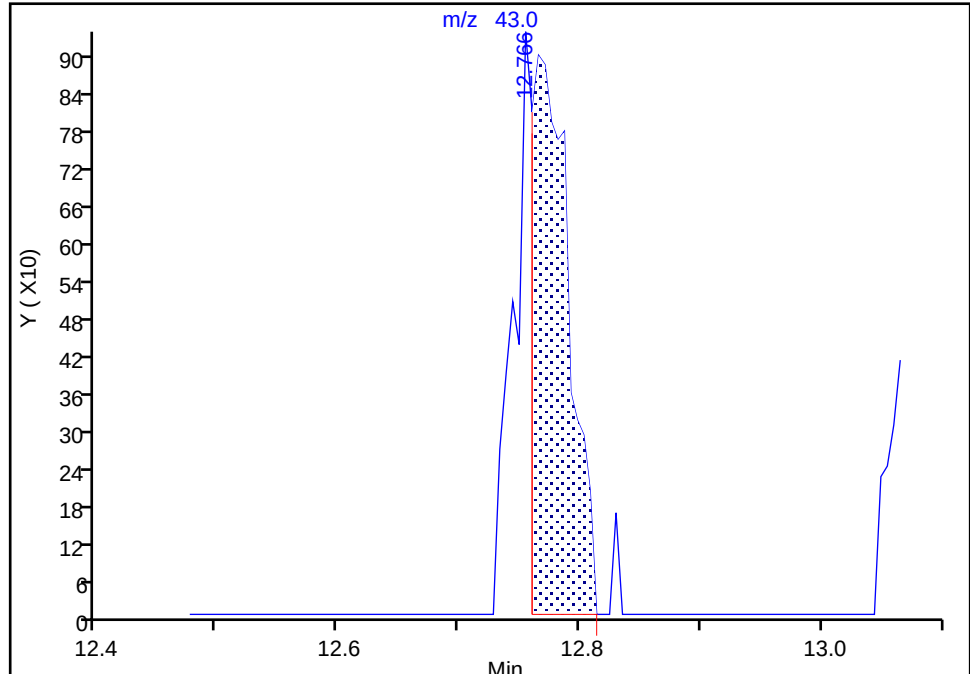
Detector: MS SCAN

49 n-Heptane, CAS: 142-82-5

Signal: 1

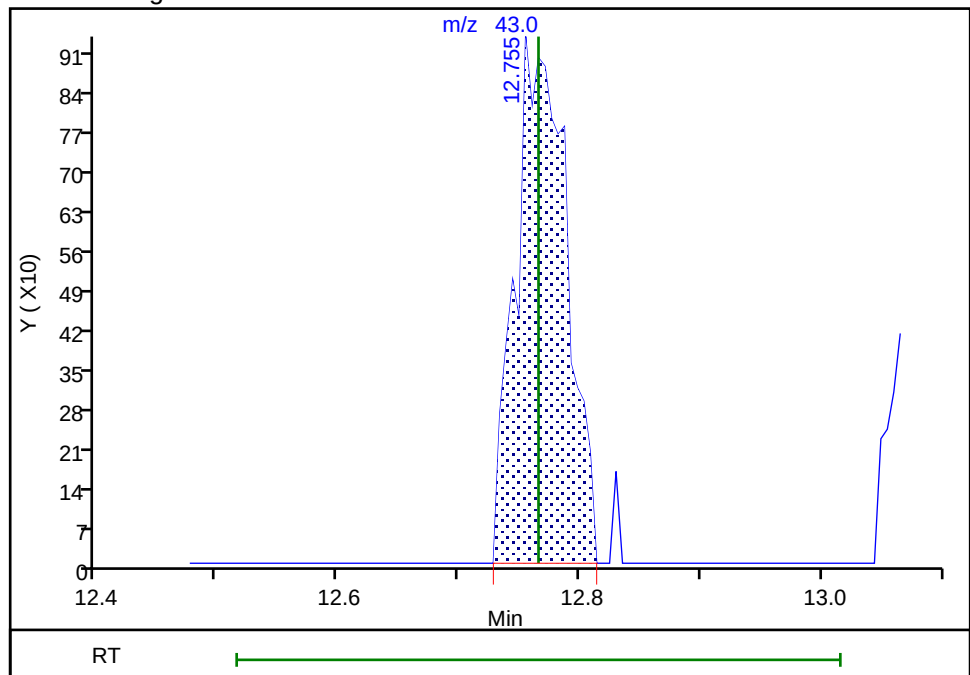
RT: 12.77
Area: 1946
Amount: 0.054539
Amount Units: ppb v/v

Processing Integration Results



RT: 12.75
Area: 2757
Amount: 0.077269
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 24-Feb-2020 10:30:47

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 7 Worklist Smp#: 7

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

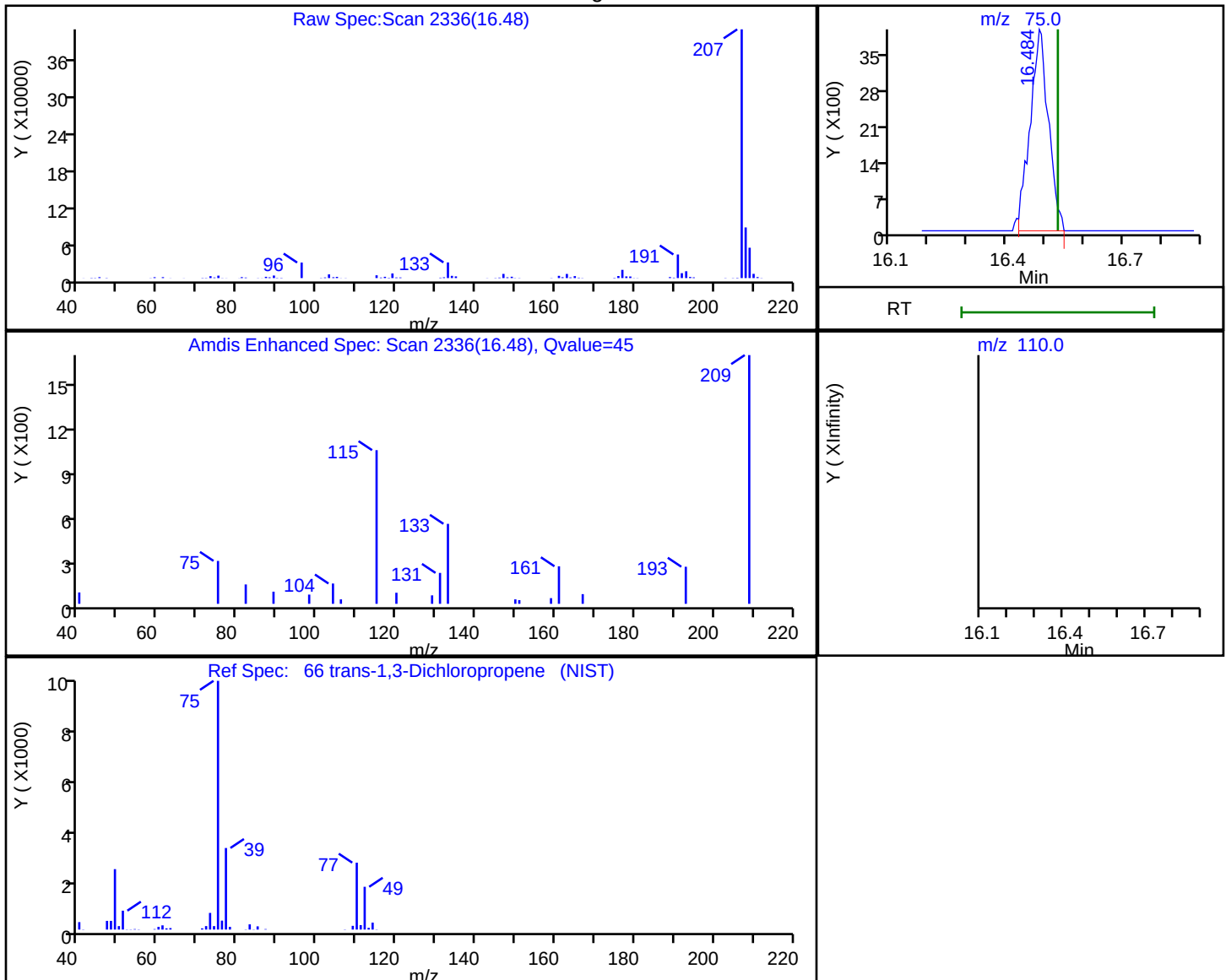
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

66 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
16.48	75.00	13031	0.263935
16.53	110.00	0	

Reviewer: puangmaleek, 24-Feb-2020 10:31:06

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

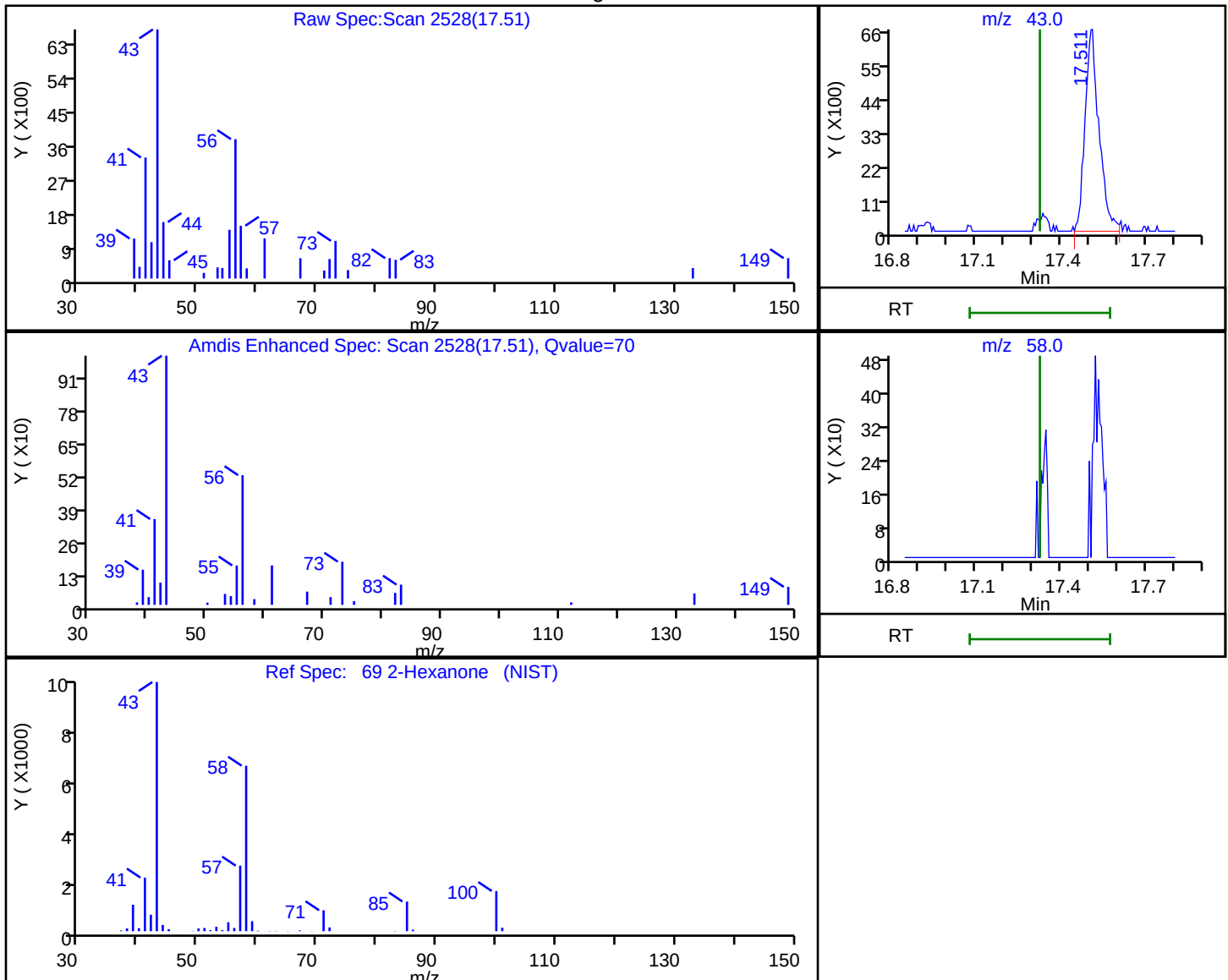
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

69 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
17.51	43.00	22968	0.448906
17.32	58.00	0	

Reviewer: puangmaleek, 24-Feb-2020 10:31:15

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-07.D

Injection Date: 21-Feb-2020 12:19:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

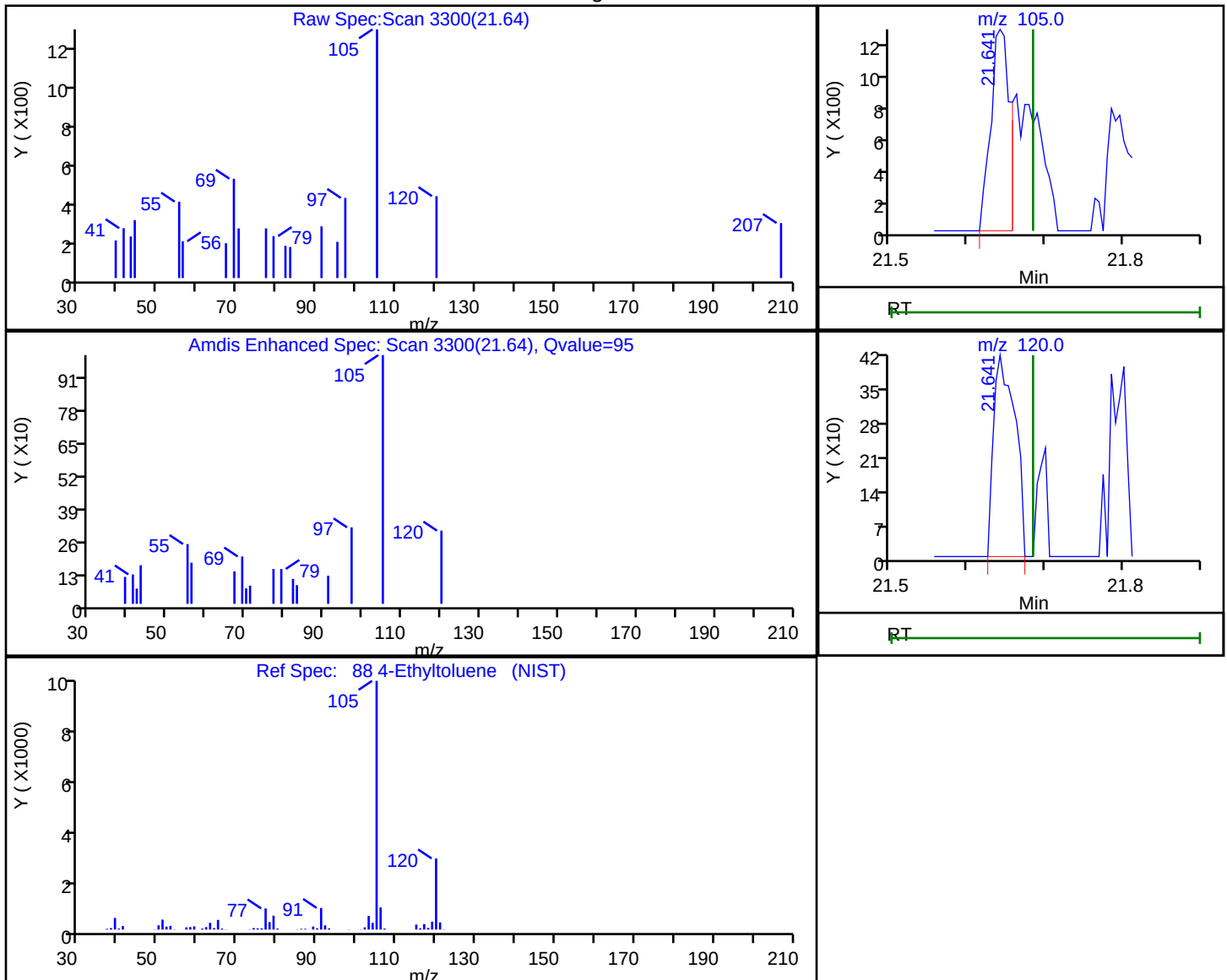
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

88 4-Ethyltoluene, CAS: 622-96-8

Processing Results



RT	Mass	Response	Amount
21.64	105.00	2160	0.011299
21.64	120.00	794	

Reviewer: puangmaleek, 24-Feb-2020 10:32:07

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: SS-SV-05-021420 DL Lab Sample ID: 200-52685-5 DL

Matrix: Air Lab File ID: 40114-08.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:00

Sample wt/vol: 10 (mL) Date Analyzed: 02/21/2020 13:09

Soil Aliquot Vol: _____ Dilution Factor: 20

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

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	ND		10	2.2
75-45-6	Freon 22	86.47	ND		10	2.4
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		4.0	0.70
74-87-3	Chloromethane	50.49	ND		10	2.2
106-97-8	n-Butane	58.12	13		10	2.2
75-01-4	Vinyl chloride	62.50	ND		1.2	0.88
106-99-0	1,3-Butadiene	54.09	ND		4.0	1.1
74-83-9	Bromomethane	94.94	ND		4.0	1.0
75-00-3	Chloroethane	64.52	ND		10	1.1
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		4.0	1.0
75-69-4	Trichlorofluoromethane	137.37	ND		4.0	1.2
76-13-1	Freon TF	187.38	ND		4.0	0.76
75-35-4	1,1-Dichloroethene	96.94	ND		4.0	0.78
67-64-1	Acetone	58.08	44	J	100	24
67-63-0	Isopropyl alcohol	60.10	540		100	9.6
75-15-0	Carbon disulfide	76.14	1.6	J	10	1.5
107-05-1	3-Chloropropene	76.53	ND		10	1.3
75-09-2	Methylene Chloride	84.93	ND		10	5.4
75-65-0	tert-Butyl alcohol	74.12	ND		100	0.76
1634-04-4	Methyl tert-butyl ether	88.15	ND		4.0	0.66
156-60-5	trans-1,2-Dichloroethene	96.94	ND		4.0	0.84
110-54-3	n-Hexane	86.17	ND		4.0	4.0
75-34-3	1,1-Dichloroethane	98.96	ND		4.0	0.82
78-93-3	Methyl Ethyl Ketone	72.11	ND		10	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	ND		4.0	0.90
540-59-0	1,2-Dichloroethene, Total	96.94	ND		8.0	0.84
67-66-3	Chloroform	119.38	ND		4.0	0.64
109-99-9	Tetrahydrofuran	72.11	ND		100	1.3
71-55-6	1,1,1-Trichloroethane	133.41	ND		4.0	0.72
110-82-7	Cyclohexane	84.16	ND		4.0	0.92
56-23-5	Carbon tetrachloride	153.81	ND		1.2	0.48
540-84-1	2,2,4-Trimethylpentane	114.23	ND		4.0	0.82
71-43-2	Benzene	78.11	ND		4.0	1.3
107-06-2	1,2-Dichloroethane	98.96	ND		4.0	0.64

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: SS-SV-05-021420 DL Lab Sample ID: 200-52685-5 DL

Matrix: Air Lab File ID: 40114-08.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:00

Sample wt/vol: 10 (mL) Date Analyzed: 02/21/2020 13:09

Soil Aliquot Vol: _____ Dilution Factor: 20

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

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	ND		4.0	1.1
79-01-6	Trichloroethene	131.39	ND		1.2	0.70
80-62-6	Methyl methacrylate	100.12	ND		10	0.66
78-87-5	1,2-Dichloropropane	112.99	ND		4.0	0.66
123-91-1	1,4-Dioxane	88.11	ND		100	1.7
75-27-4	Bromodichloromethane	163.83	ND		4.0	0.70
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		4.0	0.64
108-10-1	methyl isobutyl ketone	100.16	ND		10	0.72
108-88-3	Toluene	92.14	ND		4.0	2.2
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		4.0	0.78
79-00-5	1,1,2-Trichloroethane	133.41	ND		4.0	0.72
127-18-4	Tetrachloroethene	165.83	0.76	J	4.0	0.66
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		10	0.96
124-48-1	Dibromochloromethane	208.29	ND		4.0	0.72
106-93-4	1,2-Dibromoethane	187.87	ND		4.0	0.98
108-90-7	Chlorobenzene	112.56	ND		4.0	1.1
100-41-4	Ethylbenzene	106.17	ND		4.0	1.3
179601-23-1	m,p-Xylene	106.17	ND		10	2.0
95-47-6	Xylene, o-	106.17	ND		4.0	0.96
1330-20-7	Xylene (total)	106.17	ND		14	0.96
100-42-5	Styrene	104.15	ND		4.0	0.80
75-25-2	Bromoform	252.75	ND		4.0	0.96
98-82-8	Cumene	120.19	ND		4.0	0.70
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		4.0	0.84
103-65-1	n-Propylbenzene	120.19	ND		4.0	0.78
622-96-8	4-Ethyltoluene	120.20	ND		4.0	0.82
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		4.0	0.78
95-49-8	2-Chlorotoluene	126.59	ND		4.0	0.84
98-06-6	tert-Butylbenzene	134.22	ND		4.0	0.70
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		4.0	0.88
135-98-8	sec-Butylbenzene	134.22	ND		4.0	0.70
99-87-6	4-Isopropyltoluene	134.22	ND		4.0	0.78
541-73-1	1,3-Dichlorobenzene	147.00	ND		4.0	2.2
106-46-7	1,4-Dichlorobenzene	147.00	ND		4.0	2.4

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SS-SV-05-021420 DL Lab Sample ID: 200-52685-5 DL
 Matrix: Air Lab File ID: 40114-08.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:00
 Sample wt/vol: 10 (mL) Date Analyzed: 02/21/2020 13:09
 Soil Aliquot Vol: _____ Dilution Factor: 20
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		4.0	1.7
104-51-8	n-Butylbenzene	134.22	ND		4.0	0.78
95-50-1	1,2-Dichlorobenzene	147.00	ND		4.0	1.9
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		10	4.4
87-68-3	Hexachlorobutadiene	260.76	ND		4.0	1.5
91-20-3	Naphthalene	128.17	ND		10	3.4

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: SS-SV-05-021420 DL Lab Sample ID: 200-52685-5 DL

Matrix: Air Lab File ID: 40114-08.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:00

Sample wt/vol: 10 (mL) Date Analyzed: 02/21/2020 13:09

Soil Aliquot Vol: _____ Dilution Factor: 20

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

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	ND		49	11
75-45-6	Freon 22	86.47	ND		35	8.5
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		28	4.9
74-87-3	Chloromethane	50.49	ND		21	4.5
106-97-8	n-Butane	58.12	31		24	5.2
75-01-4	Vinyl chloride	62.50	ND		3.1	2.2
106-99-0	1,3-Butadiene	54.09	ND		8.8	2.5
74-83-9	Bromomethane	94.94	ND		16	4.0
75-00-3	Chloroethane	64.52	ND		26	2.8
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		17	4.5
75-69-4	Trichlorofluoromethane	137.37	ND		22	6.7
76-13-1	Freon TF	187.38	ND		31	5.8
75-35-4	1,1-Dichloroethene	96.94	ND		16	3.1
67-64-1	Acetone	58.08	100	J	240	57
67-63-0	Isopropyl alcohol	60.10	1300		250	24
75-15-0	Carbon disulfide	76.14	4.9	J	31	4.6
107-05-1	3-Chloropropene	76.53	ND		31	4.0
75-09-2	Methylene Chloride	84.93	ND		35	19
75-65-0	tert-Butyl alcohol	74.12	ND		300	2.3
1634-04-4	Methyl tert-butyl ether	88.15	ND		14	2.4
156-60-5	trans-1,2-Dichloroethene	96.94	ND		16	3.3
110-54-3	n-Hexane	86.17	ND		14	14
75-34-3	1,1-Dichloroethane	98.96	ND		16	3.3
78-93-3	Methyl Ethyl Ketone	72.11	ND		29	4.2
156-59-2	cis-1,2-Dichloroethene	96.94	ND		16	3.6
540-59-0	1,2-Dichloroethene, Total	96.94	ND		32	3.3
67-66-3	Chloroform	119.38	ND		20	3.1
109-99-9	Tetrahydrofuran	72.11	ND		290	3.9
71-55-6	1,1,1-Trichloroethane	133.41	ND		22	3.9
110-82-7	Cyclohexane	84.16	ND		14	3.2
56-23-5	Carbon tetrachloride	153.81	ND		7.5	3.0
540-84-1	2,2,4-Trimethylpentane	114.23	ND		19	3.8
71-43-2	Benzene	78.11	ND		13	4.3
107-06-2	1,2-Dichloroethane	98.96	ND		16	2.6

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: SS-SV-05-021420 DL Lab Sample ID: 200-52685-5 DL

Matrix: Air Lab File ID: 40114-08.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:00

Sample wt/vol: 10 (mL) Date Analyzed: 02/21/2020 13:09

Soil Aliquot Vol: _____ Dilution Factor: 20

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

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	ND		16	4.6
79-01-6	Trichloroethene	131.39	ND		6.4	3.8
80-62-6	Methyl methacrylate	100.12	ND		41	2.7
78-87-5	1,2-Dichloropropane	112.99	ND		18	3.1
123-91-1	1,4-Dioxane	88.11	ND		360	6.1
75-27-4	Bromodichloromethane	163.83	ND		27	4.7
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		18	2.9
108-10-1	methyl isobutyl ketone	100.16	ND		41	2.9
108-88-3	Toluene	92.14	ND		15	8.3
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		18	3.5
79-00-5	1,1,2-Trichloroethane	133.41	ND		22	3.9
127-18-4	Tetrachloroethene	165.83	5.1	J	27	4.5
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		41	3.9
124-48-1	Dibromochloromethane	208.29	ND		34	6.1
106-93-4	1,2-Dibromoethane	187.87	ND		31	7.5
108-90-7	Chlorobenzene	112.56	ND		18	5.2
100-41-4	Ethylbenzene	106.17	ND		17	5.5
179601-23-1	m,p-Xylene	106.17	ND		43	8.7
95-47-6	Xylene, o-	106.17	ND		17	4.2
1330-20-7	Xylene (total)	106.17	ND		61	4.2
100-42-5	Styrene	104.15	ND		17	3.4
75-25-2	Bromoform	252.75	ND		41	9.9
98-82-8	Cumene	120.19	ND		20	3.4
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		27	5.8
103-65-1	n-Propylbenzene	120.19	ND		20	3.8
622-96-8	4-Ethyltoluene	120.20	ND		20	4.0
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		20	3.8
95-49-8	2-Chlorotoluene	126.59	ND		21	4.3
98-06-6	tert-Butylbenzene	134.22	ND		22	3.8
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		20	4.3
135-98-8	sec-Butylbenzene	134.22	ND		22	3.8
99-87-6	4-Isopropyltoluene	134.22	ND		22	4.3
541-73-1	1,3-Dichlorobenzene	147.00	ND		24	13
106-46-7	1,4-Dichlorobenzene	147.00	ND		24	14

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SS-SV-05-021420 DL Lab Sample ID: 200-52685-5 DL
 Matrix: Air Lab File ID: 40114-08.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:00
 Sample wt/vol: 10 (mL) Date Analyzed: 02/21/2020 13:09
 Soil Aliquot Vol: _____ Dilution Factor: 20
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		21	8.8
104-51-8	n-Butylbenzene	134.22	ND		22	4.3
95-50-1	1,2-Dichlorobenzene	147.00	ND		24	12
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		74	33
87-68-3	Hexachlorobutadiene	260.76	ND		43	16
91-20-3	Naphthalene	128.17	ND		52	18

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-08.D
 Lims ID: 200-52685-A-5
 Client ID: SS-SV-05-021420
 Sample Type: Client
 Inject. Date: 21-Feb-2020 13:09:30 ALS Bottle#: 8 Worklist Smp#: 8
 Purge Vol: 200.000 mL Dil. Factor: 20.0000
 Sample Info: 200-0040114-008
 Operator ID: ggg Instrument ID: CHX.i
 Method: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 24-Feb-2020 10:34:52 Calib Date: 22-Jan-2020 04:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-16.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0337

First Level Reviewer: puangmaleek

Date: 24-Feb-2020 10:34:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.196	4.185	0.011	96	2561	0.0311	
3 Chlorodifluoromethane	51		4.249				ND	U
4 1,2-Dichloro-1,1,2,2-tetra	85		4.516				ND	
5 Chloromethane	50	4.714	4.704	0.010	40	891	0.0300	
6 Butane	43	4.950	4.934	0.016	93	23686	0.6416	
7 Vinyl chloride	62		4.993				ND	
8 Butadiene	54		5.083				ND	U
10 Bromomethane	94		5.870				ND	
11 Chloroethane	64		6.121				ND	
13 Vinyl bromide	106		6.539				ND	
14 Trichlorofluoromethane	101		6.630				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		7.689				ND	
21 1,1-Dichloroethene	96		7.753				ND	
22 Acetone	43	7.983	7.967	0.016	97	77636	2.21	
23 Carbon disulfide	76	8.160	8.160	0.011	95	6041	0.0790	
24 Isopropyl alcohol	45	8.224	8.218	0.006	100	807671	27.0	
25 3-Chloro-1-propene	41		8.491				ND	
27 Methylene Chloride	49	8.780	8.786	0.005	87	2212	0.0987	
28 2-Methyl-2-propanol	59		8.941				ND	
29 Methyl tert-butyl ether	73		9.128				ND	
31 trans-1,2-Dichloroethene	61		9.181				ND	
33 Hexane	57		9.518				ND	U
S 30 1,2-Dichloroethene, Total	61		9.665				ND	
34 1,1-Dichloroethane	63		10.000				ND	
37 cis-1,2-Dichloroethene	96		11.032				ND	
38 2-Butanone (MEK)	72		11.064				ND	
* 40 Chlorobromomethane	128	11.471	11.466	0.005	74	236204	10.0	
41 Tetrahydrofuran	42		11.471				ND	
42 Chloroform	83		11.578				ND	
43 Cyclohexane	84		11.808				ND	
44 1,1,1-Trichloroethane	97		11.835				ND	
45 Carbon tetrachloride	117		12.059				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
46 Isooctane	57		12.423				ND	
47 Benzene	78		12.482				ND	
48 1,2-Dichloroethane	62		12.648				ND	
49 n-Heptane	43		12.766				ND	
* 50 1,4-Difluorobenzene	114	13.220	13.220	0.000	92	1102372	10.0	
53 Trichloroethene	95		13.638				ND	
54 1,2-Dichloropropane	63		14.130				ND	
55 Methyl methacrylate	69		14.248				ND	
56 1,4-Dioxane	88		14.317				ND	
58 Dichlorobromomethane	83		14.617				ND	
60 cis-1,3-Dichloropropene	75		15.446				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.692				ND	
65 Toluene	92	15.981	15.975	0.006	91	1411	0.0233	
66 trans-1,3-Dichloropropene	75		16.532				ND	
67 1,1,2-Trichloroethane	83		16.901				ND	
68 Tetrachloroethene	166	16.992	16.992	-0.005	61	2856	0.0378	M
69 2-Hexanone	43		17.324				ND	
71 Chlorodibromomethane	129		17.650				ND	
72 Ethylene Dibromide	107		17.917				ND	
* 74 Chlorobenzene-d5	117	18.795	18.800	-0.005	84	951132	10.0	
75 Chlorobenzene	112		18.859				ND	
76 Ethylbenzene	91		18.998				ND	
78 m-Xylene & p-Xylene	106		19.244				ND	
S 73 Xylenes, Total	106		19.600				ND	
79 o-Xylene	106		20.084				ND	
80 Styrene	104		20.138				ND	
81 Bromoform	173		20.576				ND	
82 Isopropylbenzene	105		20.769				ND	
84 1,1,2,2-Tetrachloroethane	83		21.438				ND	
85 N-Propylbenzene	91		21.496				ND	
88 4-Ethyltoluene	105		21.684				ND	
89 2-Chlorotoluene	91		21.700				ND	
90 1,3,5-Trimethylbenzene	105		21.791				ND	
92 tert-Butylbenzene	119		22.283				ND	
93 1,2,4-Trimethylbenzene	105		22.379				ND	
94 sec-Butylbenzene	105		22.609				ND	
95 4-Isopropyltoluene	119		22.812				ND	
96 1,3-Dichlorobenzene	146		22.850				ND	
97 1,4-Dichlorobenzene	146		22.984				ND	
98 Benzyl chloride	91		23.182				ND	
100 n-Butylbenzene	91		23.385				ND	
101 1,2-Dichlorobenzene	146		23.513				ND	
103 1,2,4-Trichlorobenzene	180		25.995				ND	
104 Hexachlorobutadiene	225		26.172				ND	
105 Naphthalene	128		26.472				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 24-Feb-2020 10:34:53

Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-08.D

Injection Date: 21-Feb-2020 13:09:30

Instrument ID: CHX.i

Operator ID: ggg

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Worklist Smp#: 8

Client ID: SS-SV-05-021420

Purge Vol: 200.000 mL

Dil. Factor: 20.0000

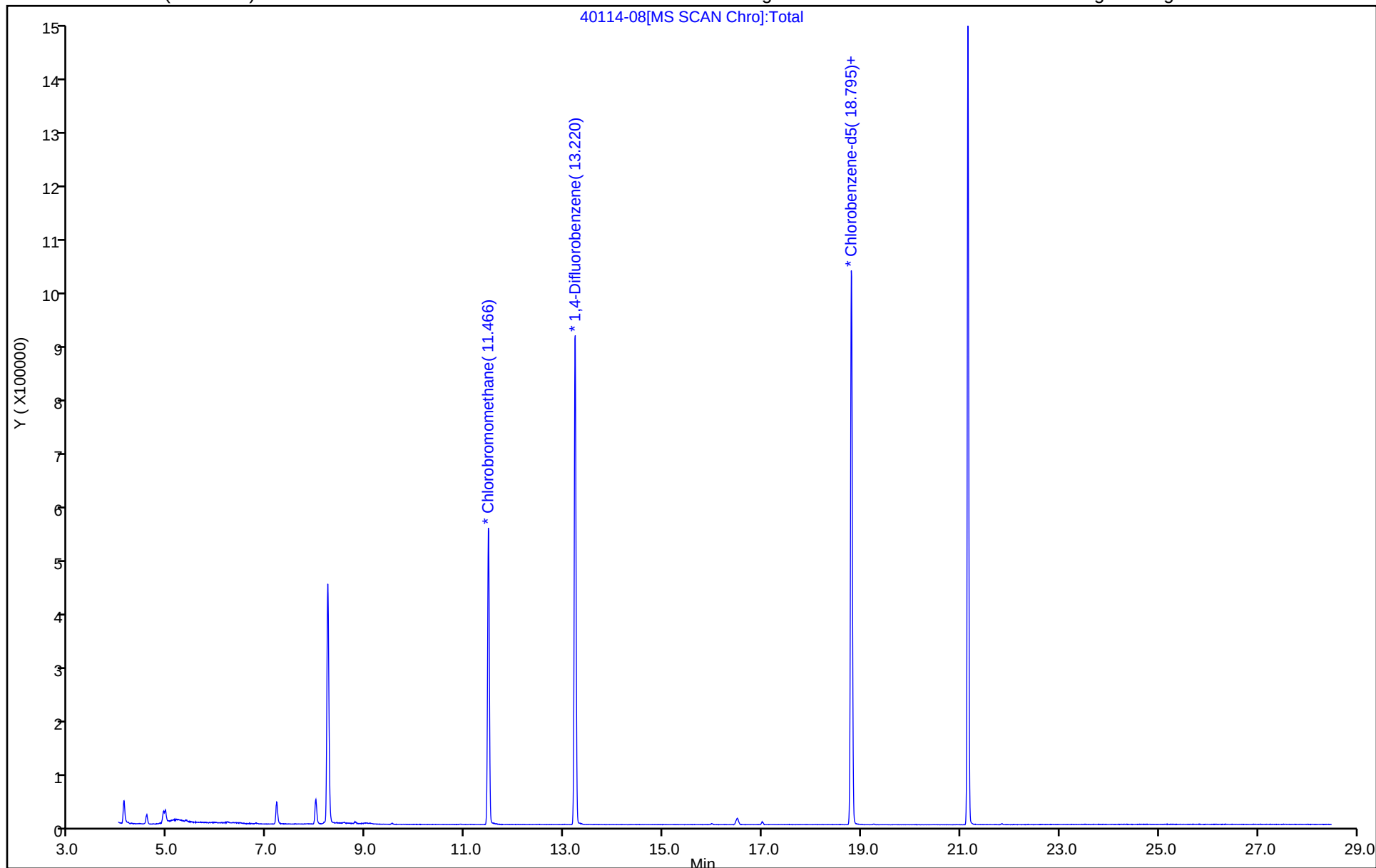
ALS Bottle#: 8

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-08.D

Injection Date: 21-Feb-2020 13:09:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 8

Worklist Smp#: 8

Purge Vol: 200.000 mL

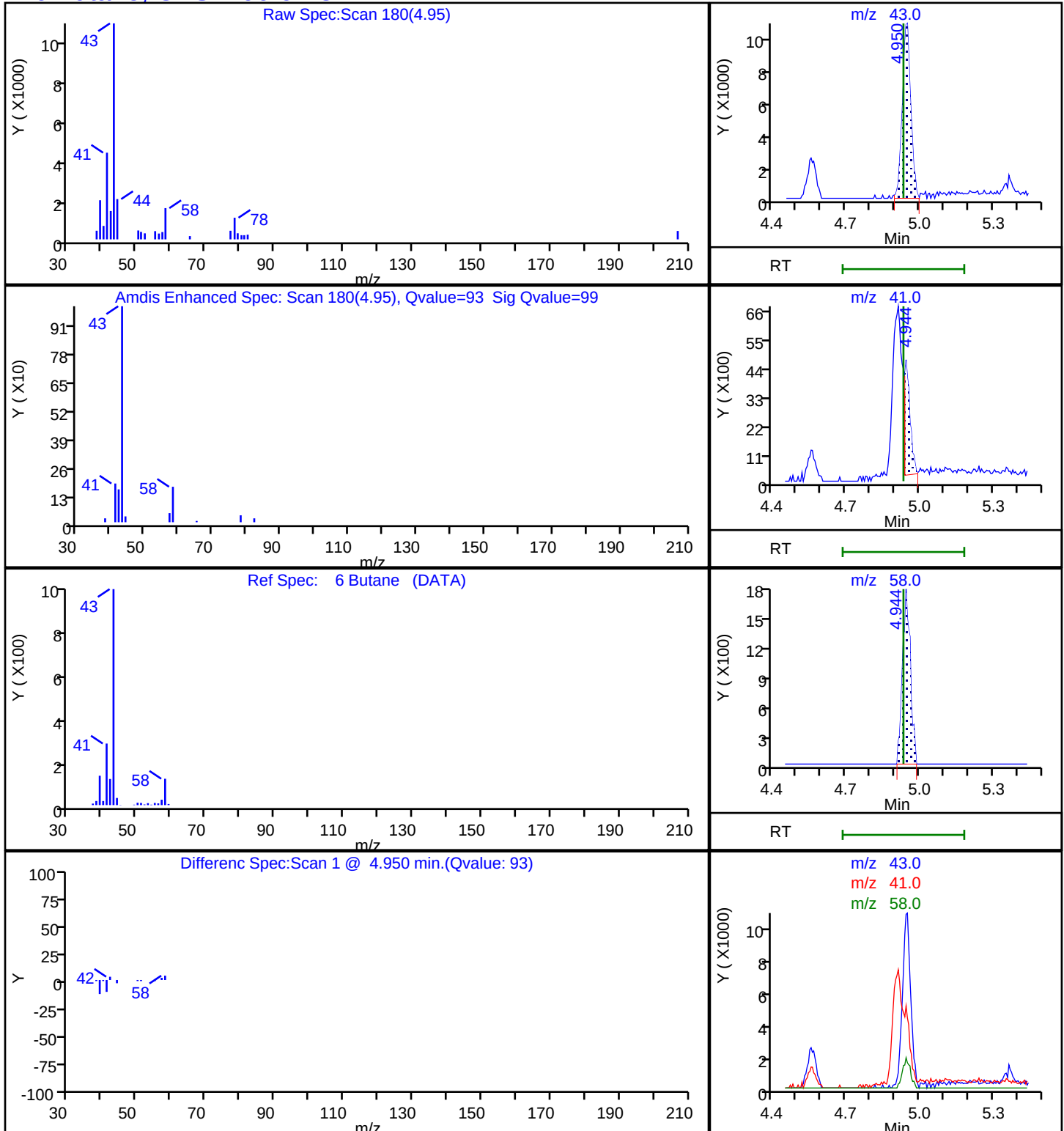
Dil. Factor: 20.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

6 Butane, CAS: 106-97-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-08.D

Injection Date: 21-Feb-2020 13:09:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 8

Worklist Smp#: 8

Purge Vol: 200.000 mL

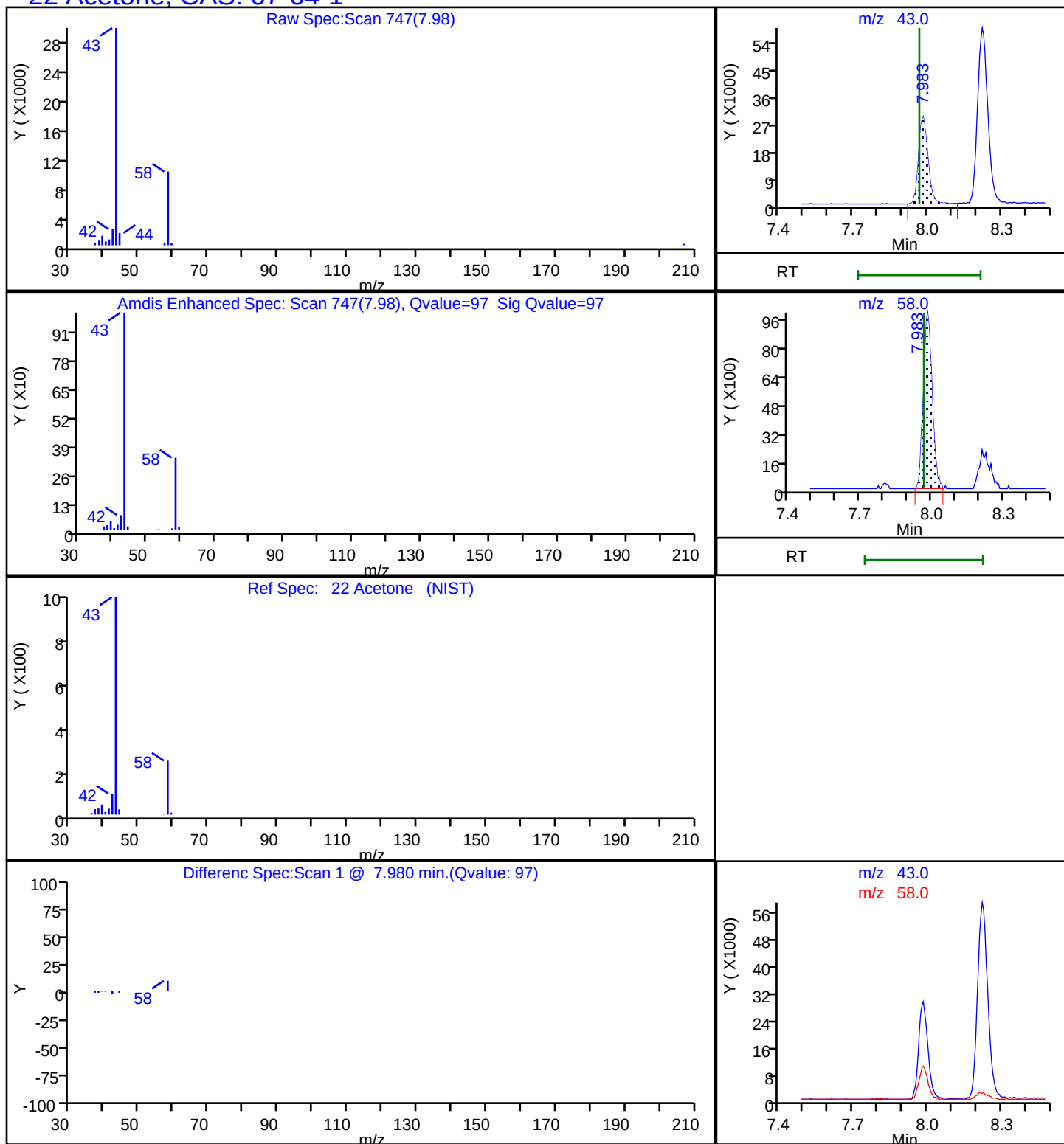
Dil. Factor: 20.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

22 Acetone, CAS: 67-64-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-08.D

Injection Date: 21-Feb-2020 13:09:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 8

Worklist Smp#: 8

Purge Vol: 200.000 mL

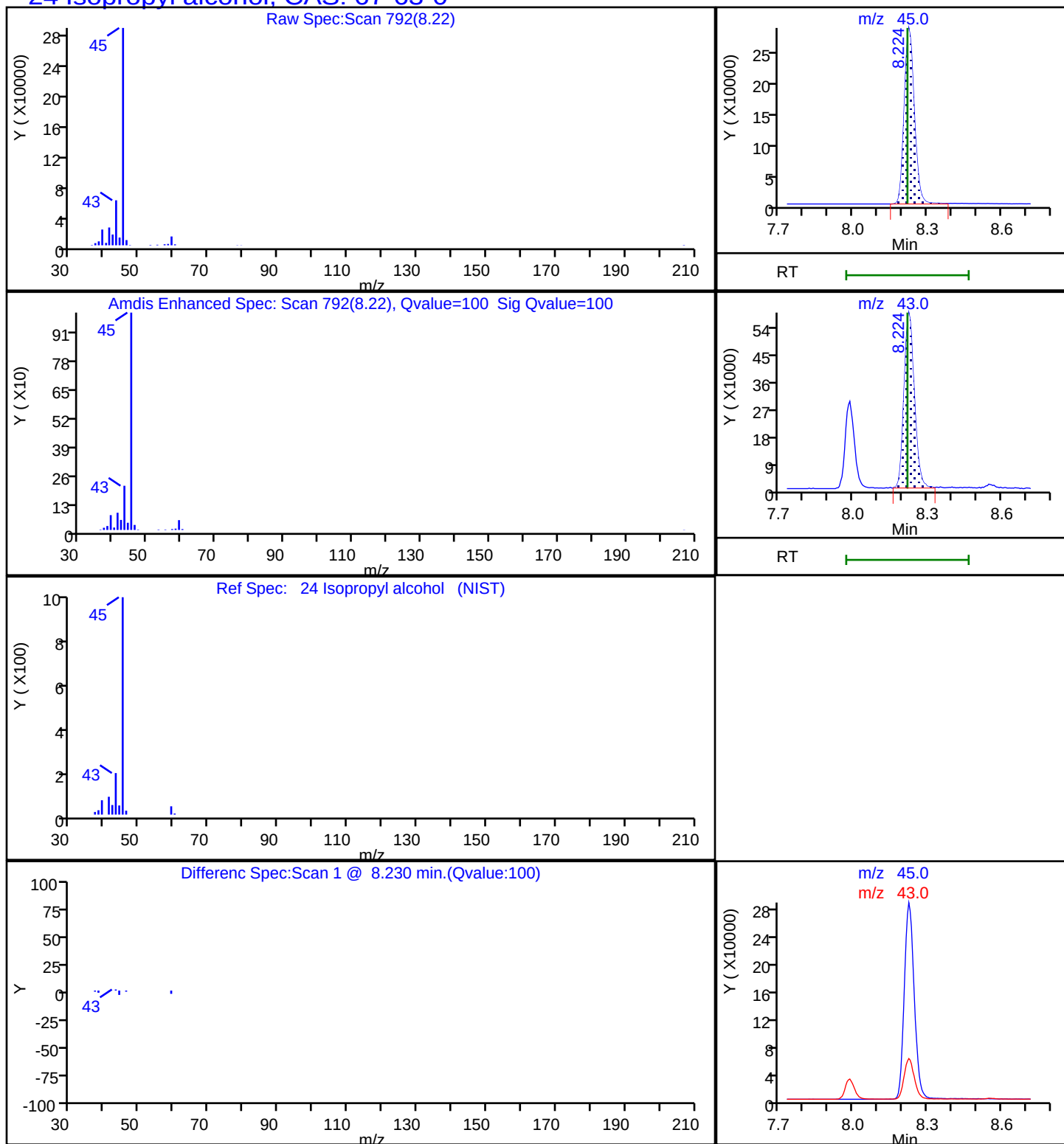
Dil. Factor: 20.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-08.D

Injection Date: 21-Feb-2020 13:09:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 8

Worklist Smp#: 8

Purge Vol: 200.000 mL

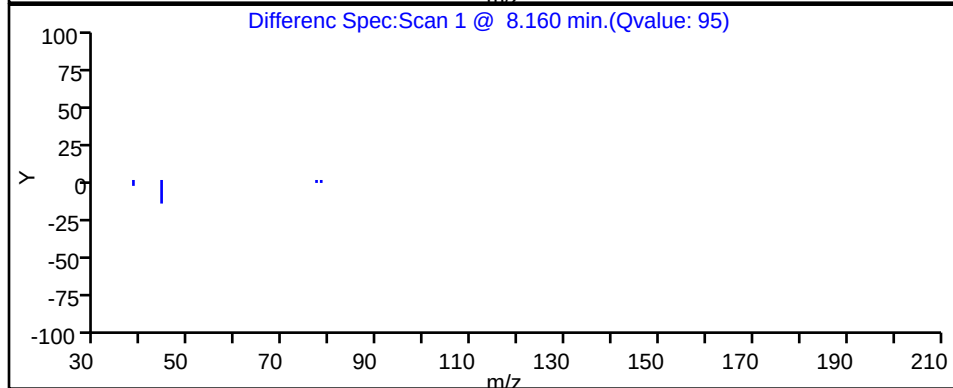
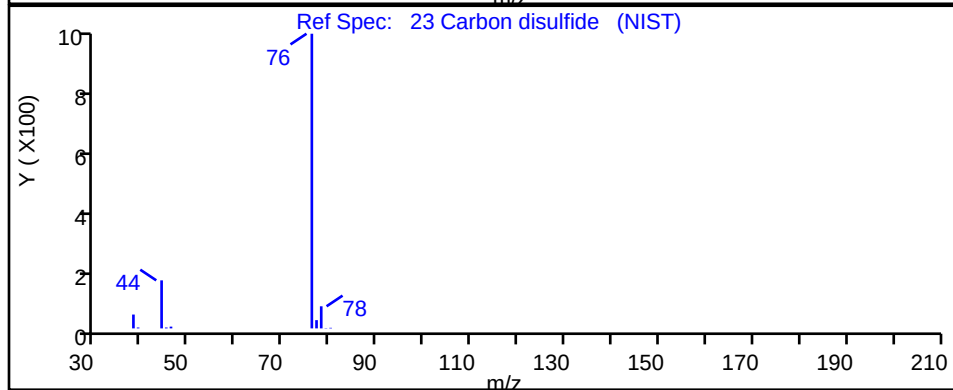
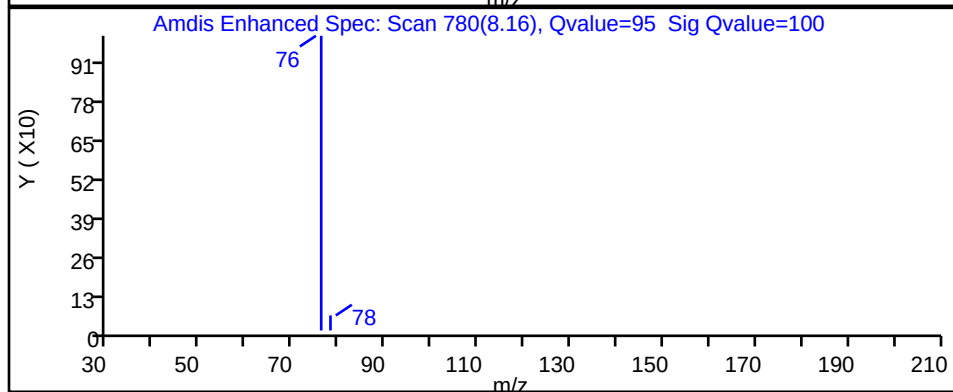
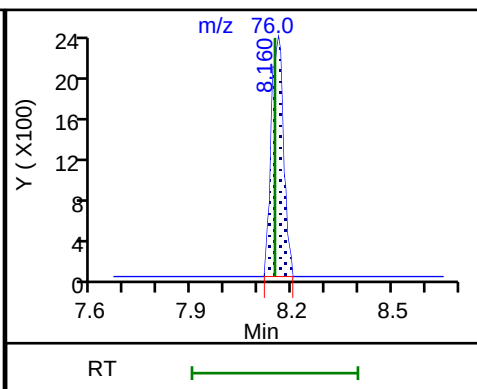
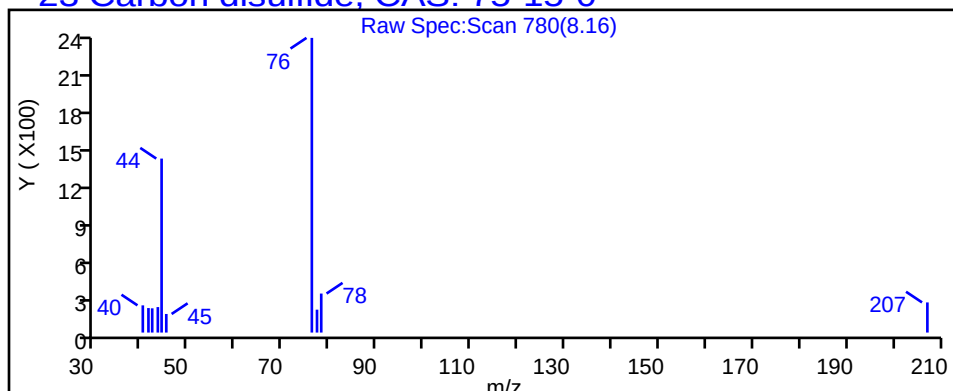
Dil. Factor: 20.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

23 Carbon disulfide, CAS: 75-15-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-08.D

Injection Date: 21-Feb-2020 13:09:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 8

Worklist Smp#: 8

Purge Vol: 200.000 mL

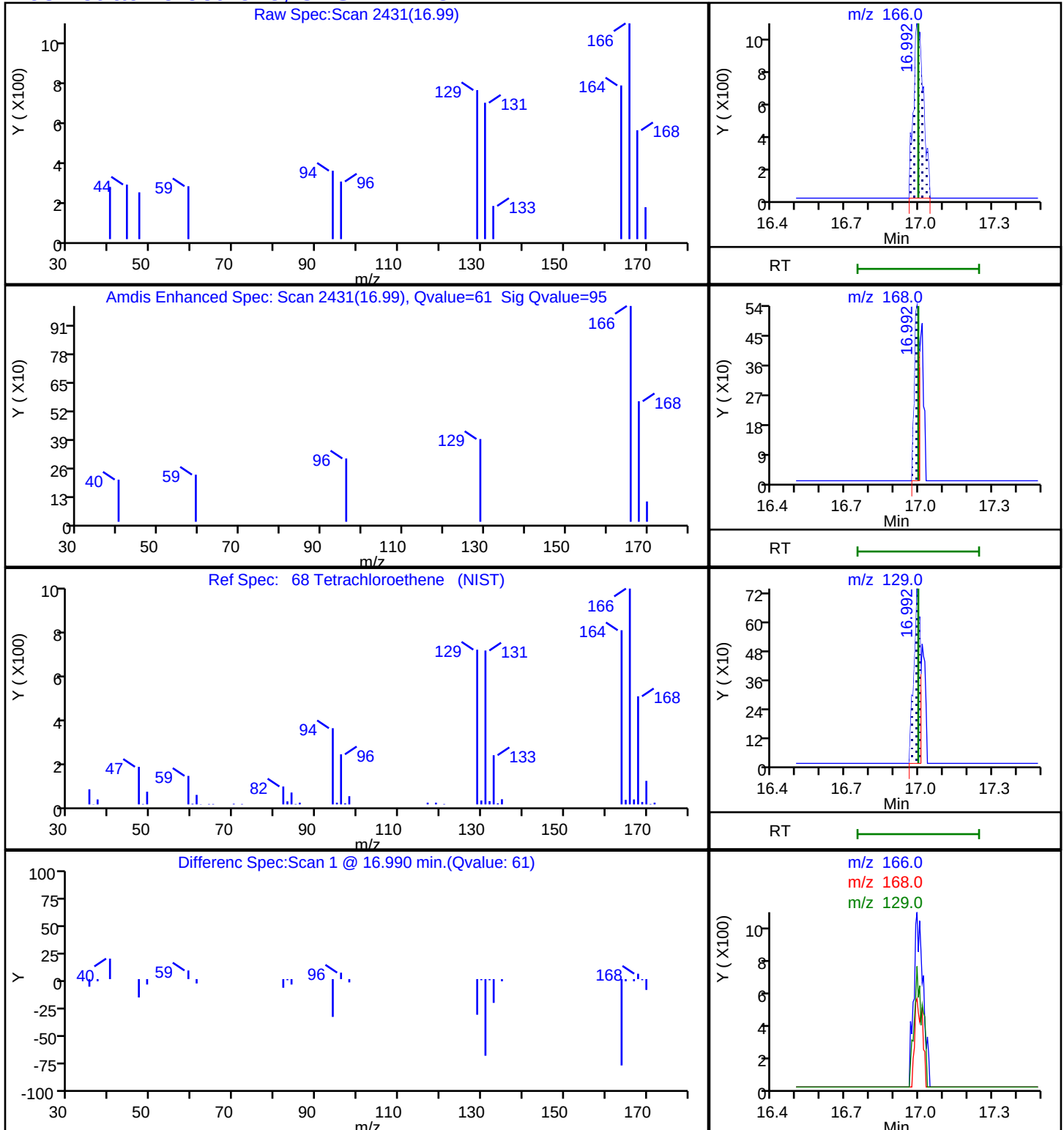
Dil. Factor: 20.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

68 Tetrachloroethene, CAS: 127-18-4

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-08.D

Injection Date: 21-Feb-2020 13:09:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 8 Worklist Smp#: 8

Purge Vol: 200.000 mL

Dil. Factor: 20.0000

Method: TO15_MasterMethod_X.m

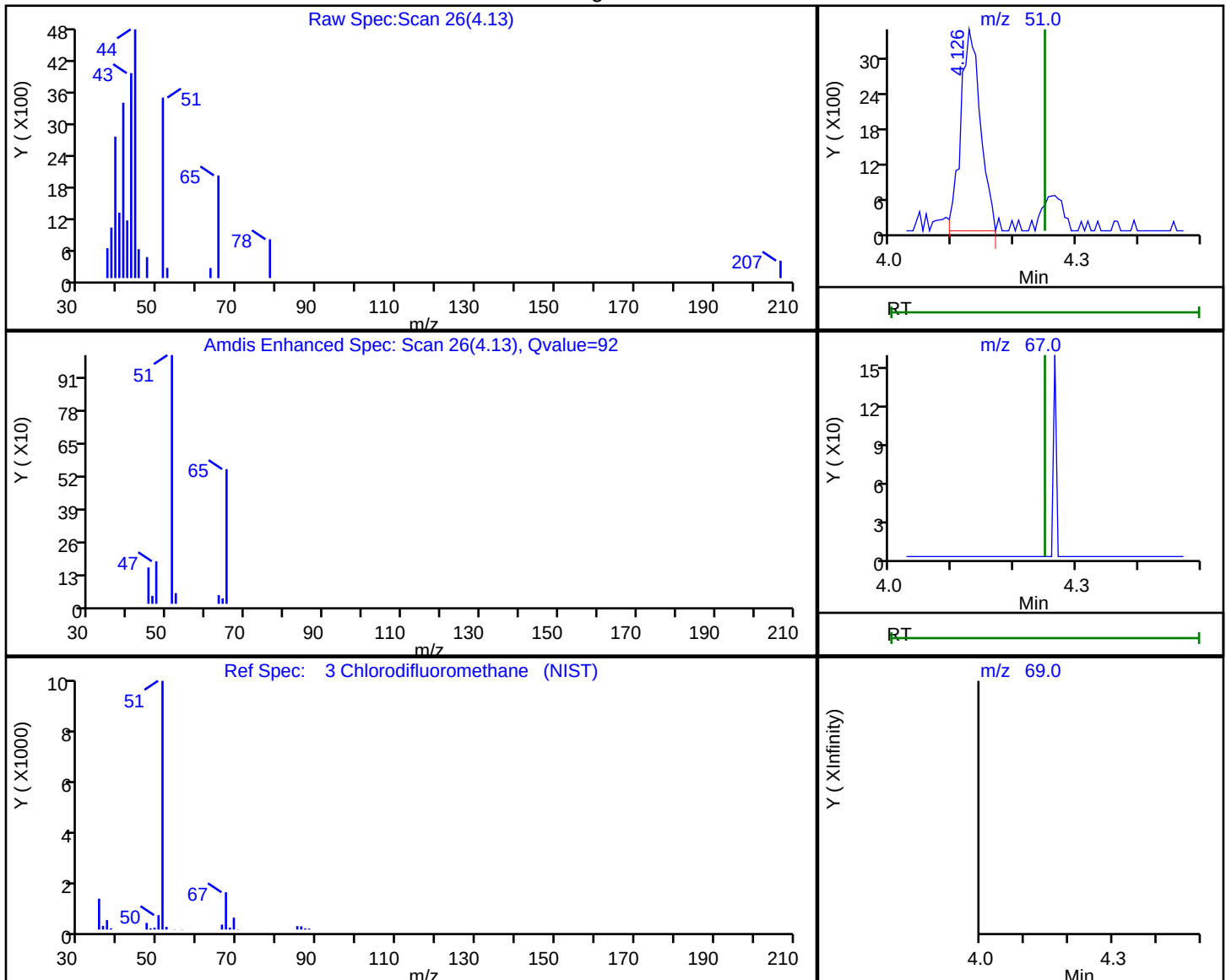
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

3 Chlorodifluoromethane, CAS: 75-45-6

Processing Results



RT	Mass	Response	Amount
4.13	51.00	7648	0.165735
4.25	67.00	0	
4.25	69.00	0	

Reviewer: puangmaleek, 24-Feb-2020 10:33:34

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-08.D

Injection Date: 21-Feb-2020 13:09:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 8 Worklist Smp#: 8

Purge Vol: 200.000 mL

Dil. Factor: 20.0000

Method: TO15_MasterMethod_X.m

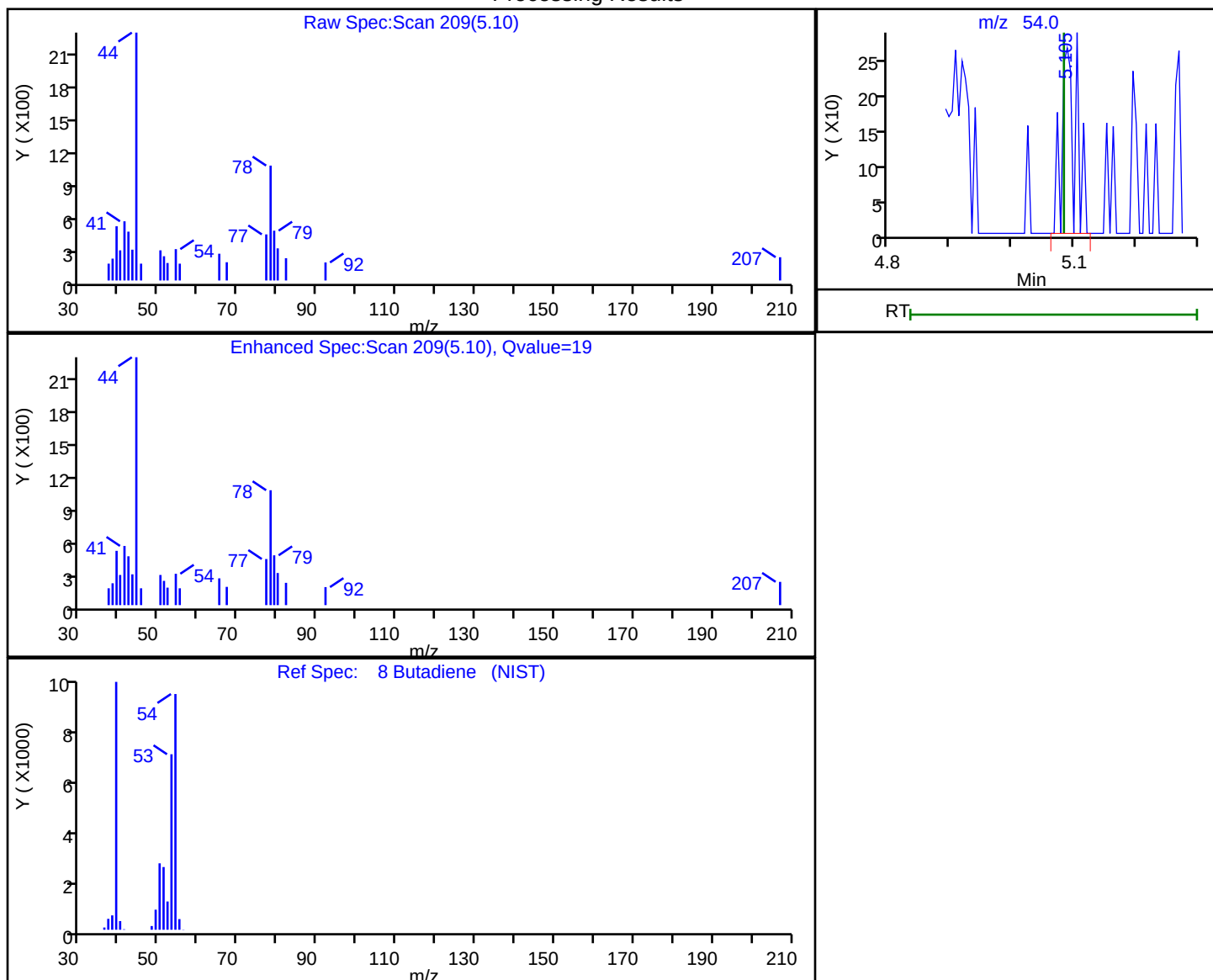
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

8 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
5.10	54.00	436	0.027306

Reviewer: puangmaleek, 24-Feb-2020 10:33:41

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-08.D

Injection Date: 21-Feb-2020 13:09:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-5

Lab Sample ID: 200-52685-5

Client ID: SS-SV-05-021420

Operator ID: ggg

ALS Bottle#: 8 Worklist Smp#: 8

Purge Vol: 200.000 mL

Dil. Factor: 20.0000

Method: TO15_MasterMethod_X.m

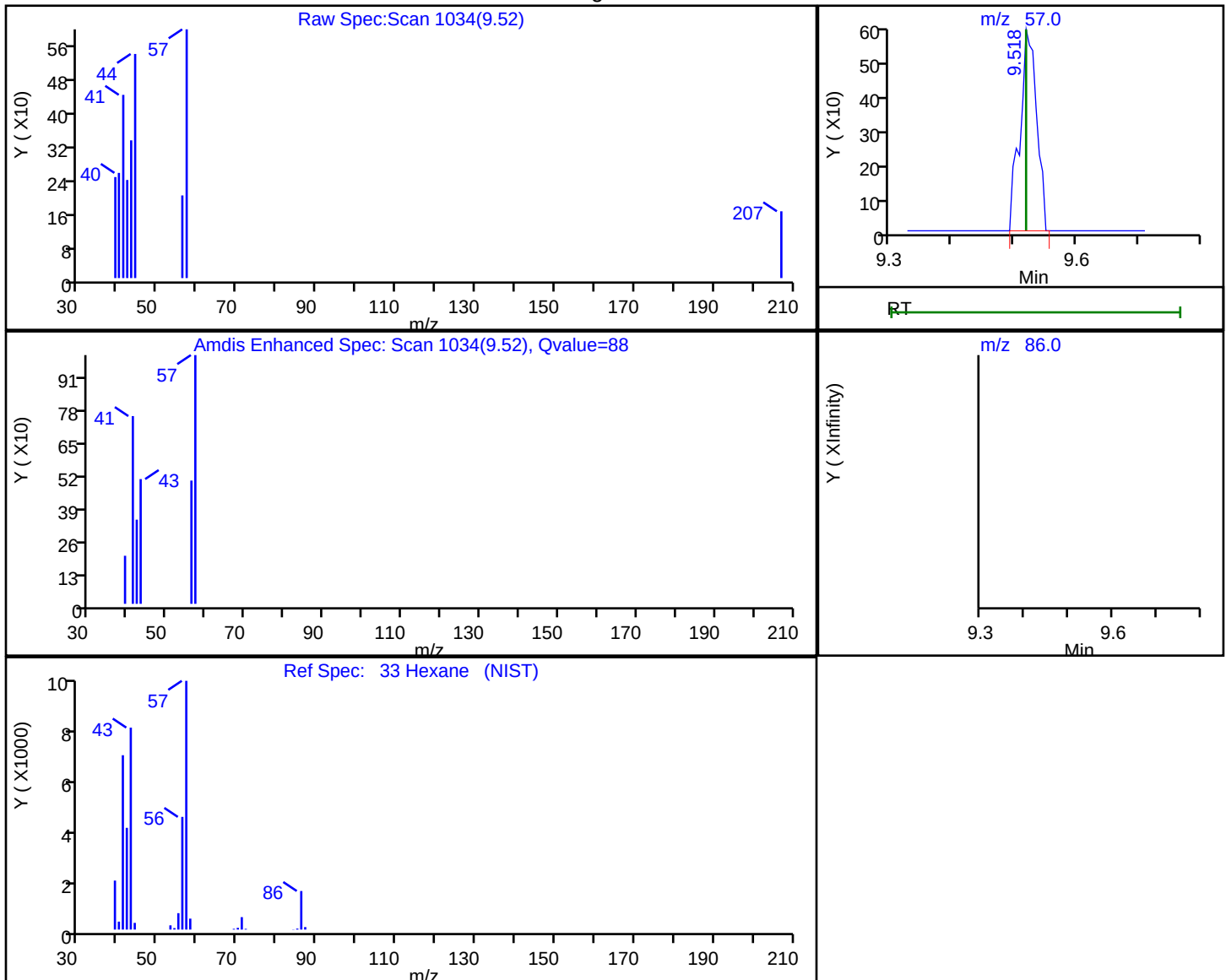
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

33 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
9.52	57.00	1118	0.032061
9.52	86.00	0	

Reviewer: puangmaleek, 24-Feb-2020 10:34:03

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

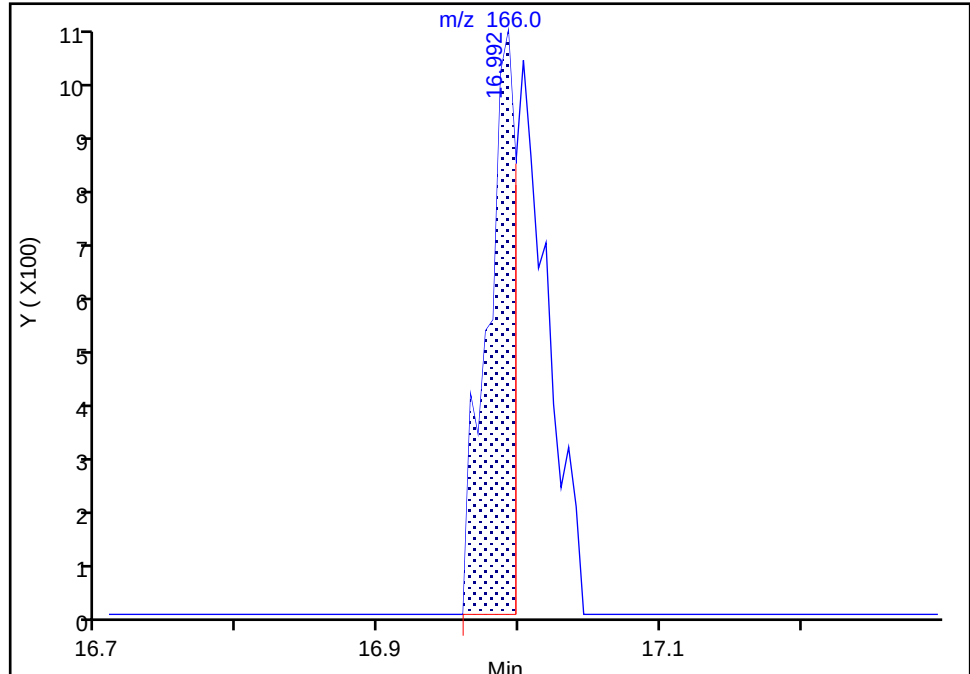
Data File:	\\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-08.D		
Injection Date:	21-Feb-2020 13:09:30	Instrument ID:	CHX.i
Lims ID:	200-52685-A-5	Lab Sample ID:	200-52685-5
Client ID:	SS-SV-05-021420		
Operator ID:	ggg	ALS Bottle#:	8
Purge Vol:	200.000 mL	Dil. Factor:	20.0000
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	8

68 Tetrachloroethene, CAS: 127-18-4

Signal: 1

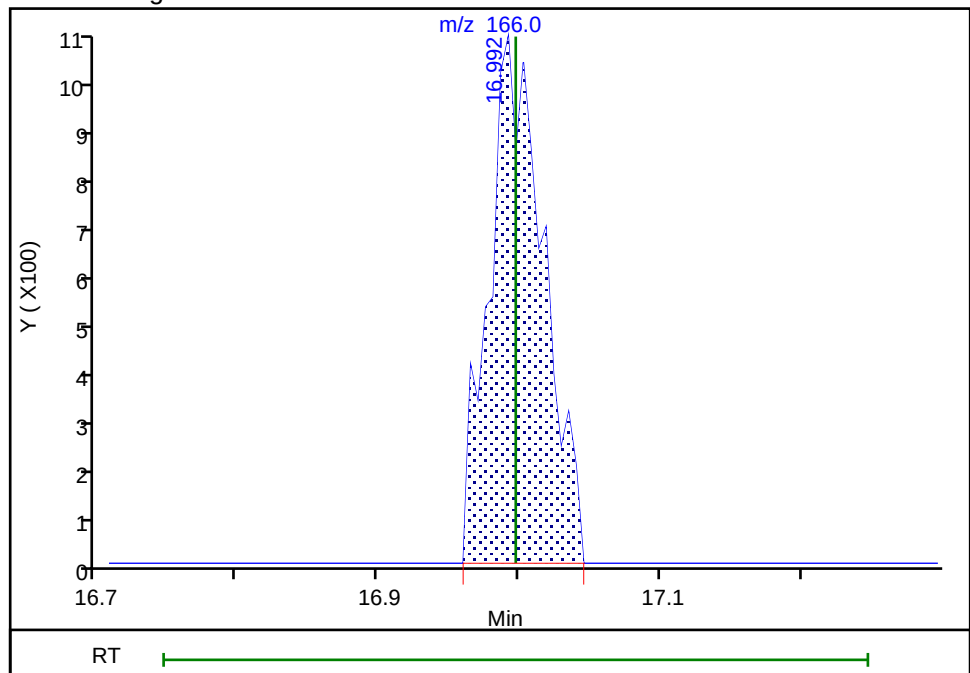
RT: 16.99
Area: 1489
Amount: 0.019728
Amount Units: ppb v/v

Processing Integration Results



RT: 16.99
Area: 2856
Amount: 0.037839
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 24-Feb-2020 10:34:32

Audit Action: Manually Integrated

Audit Reason: Assign Peak

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: IA-05-021420 Lab Sample ID: 200-52685-6

Matrix: Air Lab File ID: 40108-22.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:10

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 05:27

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.: 152580 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.42	J	0.50	0.11
75-45-6	Freon 22	86.47	0.61		0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.20	0.035
74-87-3	Chloromethane	50.49	0.58		0.50	0.11
106-97-8	n-Butane	58.12	16		0.50	0.11
75-01-4	Vinyl chloride	62.50	ND		0.060	0.044
106-99-0	1,3-Butadiene	54.09	0.60		0.20	0.057
74-83-9	Bromomethane	94.94	ND		0.20	0.051
75-00-3	Chloroethane	64.52	ND		0.50	0.054
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.20	0.052
75-69-4	Trichlorofluoromethane	137.37	0.20		0.20	0.060
76-13-1	Freon TF	187.38	0.059	J	0.20	0.038
75-35-4	1,1-Dichloroethene	96.94	ND		0.20	0.039
67-64-1	Acetone	58.08	31		5.0	1.2
67-63-0	Isopropyl alcohol	60.10	910	E	5.0	0.48
75-15-0	Carbon disulfide	76.14	0.099	J	0.50	0.074
107-05-1	3-Chloropropene	76.53	ND		0.50	0.064
75-09-2	Methylene Chloride	84.93	ND		0.50	0.27
75-65-0	tert-Butyl alcohol	74.12	0.21	J	5.0	0.038
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.20	0.033
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.20	0.042
110-54-3	n-Hexane	86.17	0.23		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	ND		0.20	0.041
78-93-3	Methyl Ethyl Ketone	72.11	0.64		0.50	0.072
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.20	0.045
540-59-0	1,2-Dichloroethene, Total	96.94	ND		0.40	0.042
67-66-3	Chloroform	119.38	0.083	J	0.20	0.032
109-99-9	Tetrahydrofuran	72.11	0.66	J	5.0	0.066
71-55-6	1,1,1-Trichloroethane	133.41	0.18	J	0.20	0.036
110-82-7	Cyclohexane	84.16	0.48		0.20	0.046
56-23-5	Carbon tetrachloride	153.81	0.052	J	0.060	0.024
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.20	0.041
71-43-2	Benzene	78.11	0.25		0.20	0.067
107-06-2	1,2-Dichloroethane	98.96	ND		0.20	0.032

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: IA-05-021420 Lab Sample ID: 200-52685-6

Matrix: Air Lab File ID: 40108-22.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:10

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 05:27

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.: 152580 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.14	J	0.20	0.056
79-01-6	Trichloroethene	131.39	ND		0.060	0.035
80-62-6	Methyl methacrylate	100.12	ND		0.50	0.033
78-87-5	1,2-Dichloropropane	112.99	ND		0.20	0.033
123-91-1	1,4-Dioxane	88.11	ND		5.0	0.084
75-27-4	Bromodichloromethane	163.83	ND		0.20	0.035
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.20	0.032
108-10-1	methyl isobutyl ketone	100.16	ND		0.50	0.036
108-88-3	Toluene	92.14	1.2		0.20	0.11
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.20	0.039
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.20	0.036
127-18-4	Tetrachloroethene	165.83	0.67		0.20	0.033
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		0.50	0.048
124-48-1	Dibromochloromethane	208.29	ND		0.20	0.036
106-93-4	1,2-Dibromoethane	187.87	ND		0.20	0.049
108-90-7	Chlorobenzene	112.56	ND		0.20	0.056
100-41-4	Ethylbenzene	106.17	0.31		0.20	0.063
179601-23-1	m,p-Xylene	106.17	1.2		0.50	0.10
95-47-6	Xylene, o-	106.17	0.34		0.20	0.048
1330-20-7	Xylene (total)	106.17	1.5		0.70	0.048
100-42-5	Styrene	104.15	ND		0.20	0.040
75-25-2	Bromoform	252.75	ND		0.20	0.048
98-82-8	Cumene	120.19	ND		0.20	0.035
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.20	0.042
103-65-1	n-Propylbenzene	120.19	ND		0.20	0.039
622-96-8	4-Ethyltoluene	120.20	ND		0.20	0.041
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.20	0.039
95-49-8	2-Chlorotoluene	126.59	ND		0.20	0.042
98-06-6	tert-Butylbenzene	134.22	ND		0.20	0.035
95-63-6	1,2,4-Trimethylbenzene	120.20	0.070	J	0.20	0.044
135-98-8	sec-Butylbenzene	134.22	ND		0.20	0.035
99-87-6	4-Isopropyltoluene	134.22	ND		0.20	0.039
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.20	0.11
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.20	0.12

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: IA-05-021420 Lab Sample ID: 200-52685-6
 Matrix: Air Lab File ID: 40108-22.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:10
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 05:27
 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.: 152580 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		0.20	0.085
104-51-8	n-Butylbenzene	134.22	ND		0.20	0.039
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.20	0.097
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.50	0.22
87-68-3	Hexachlorobutadiene	260.76	ND		0.20	0.076
91-20-3	Naphthalene	128.17	ND		0.50	0.17

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: IA-05-021420 Lab Sample ID: 200-52685-6

Matrix: Air Lab File ID: 40108-22.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:10

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 05:27

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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.1	J	2.5	0.54
75-45-6	Freon 22	86.47	2.2		1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	0.24
74-87-3	Chloromethane	50.49	1.2		1.0	0.23
106-97-8	n-Butane	58.12	39		1.2	0.26
75-01-4	Vinyl chloride	62.50	ND		0.15	0.11
106-99-0	1,3-Butadiene	54.09	1.3		0.44	0.13
74-83-9	Bromomethane	94.94	ND		0.78	0.20
75-00-3	Chloroethane	64.52	ND		1.3	0.14
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.87	0.23
75-69-4	Trichlorofluoromethane	137.37	1.1		1.1	0.34
76-13-1	Freon TF	187.38	0.45	J	1.5	0.29
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	0.15
67-64-1	Acetone	58.08	73		12	2.9
67-63-0	Isopropyl alcohol	60.10	2200	E	12	1.2
75-15-0	Carbon disulfide	76.14	0.31	J	1.6	0.23
107-05-1	3-Chloropropene	76.53	ND		1.6	0.20
75-09-2	Methylene Chloride	84.93	ND		1.7	0.94
75-65-0	tert-Butyl alcohol	74.12	0.62	J	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.72	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.79	0.17
110-54-3	n-Hexane	86.17	0.82		0.70	0.70
75-34-3	1,1-Dichloroethane	98.96	ND		0.81	0.17
78-93-3	Methyl Ethyl Ketone	72.11	1.9		1.5	0.21
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.79	0.18
540-59-0	1,2-Dichloroethene, Total	96.94	ND		1.6	0.17
67-66-3	Chloroform	119.38	0.41	J	0.98	0.16
109-99-9	Tetrahydrofuran	72.11	2.0	J	15	0.19
71-55-6	1,1,1-Trichloroethane	133.41	0.98	J	1.1	0.20
110-82-7	Cyclohexane	84.16	1.7		0.69	0.16
56-23-5	Carbon tetrachloride	153.81	0.33	J	0.38	0.15
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	0.19
71-43-2	Benzene	78.11	0.78		0.64	0.21
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	0.13

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: IA-05-021420 Lab Sample ID: 200-52685-6

Matrix: Air Lab File ID: 40108-22.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:10

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 05:27

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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.55	J	0.82	0.23
79-01-6	Trichloroethene	131.39	ND		0.32	0.19
80-62-6	Methyl methacrylate	100.12	ND		2.0	0.14
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.15
123-91-1	1,4-Dioxane	88.11	ND		18	0.30
75-27-4	Bromodichloromethane	163.83	ND		1.3	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	0.15
108-10-1	methyl isobutyl ketone	100.16	ND		2.0	0.15
108-88-3	Toluene	92.14	4.7		0.75	0.41
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	0.18
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	0.20
127-18-4	Tetrachloroethene	165.83	4.6		1.4	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		2.0	0.20
124-48-1	Dibromochloromethane	208.29	ND		1.7	0.31
106-93-4	1,2-Dibromoethane	187.87	ND		1.5	0.38
108-90-7	Chlorobenzene	112.56	ND		0.92	0.26
100-41-4	Ethylbenzene	106.17	1.3		0.87	0.27
179601-23-1	m,p-Xylene	106.17	5.2		2.2	0.43
95-47-6	Xylene, o-	106.17	1.5		0.87	0.21
1330-20-7	Xylene (total)	106.17	6.7		3.0	0.21
100-42-5	Styrene	104.15	ND		0.85	0.17
75-25-2	Bromoform	252.75	ND		2.1	0.50
98-82-8	Cumene	120.19	ND		0.98	0.17
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	0.29
103-65-1	n-Propylbenzene	120.19	ND		0.98	0.19
622-96-8	4-Ethyltoluene	120.20	ND		0.98	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.98	0.19
95-49-8	2-Chlorotoluene	126.59	ND		1.0	0.22
98-06-6	tert-Butylbenzene	134.22	ND		1.1	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	0.34	J	0.98	0.22
135-98-8	sec-Butylbenzene	134.22	ND		1.1	0.19
99-87-6	4-Isopropyltoluene	134.22	ND		1.1	0.21
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.2	0.66
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.2	0.72

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: IA-05-021420 Lab Sample ID: 200-52685-6
 Matrix: Air Lab File ID: 40108-22.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:10
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 05:27
 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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		1.0	0.44
104-51-8	n-Butylbenzene	134.22	ND		1.1	0.21
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	0.58
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3.7	1.6
87-68-3	Hexachlorobutadiene	260.76	ND		2.1	0.81
91-20-3	Naphthalene	128.17	ND		2.6	0.89

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D
 Lims ID: 200-52685-A-6
 Client ID: IA-05-021420
 Sample Type: Client
 Inject. Date: 21-Feb-2020 05:27:30 ALS Bottle#: 22 Worklist Smp#: 22
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0040108-022
 Misc. Info.: 52685-6
 Operator ID: ggg Instrument ID: CHC.i
 Method: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Feb-2020 08:11:32 Calib Date: 19-Feb-2020 02:47:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0326

First Level Reviewer: bourdeaut

Date: 21-Feb-2020 08:11:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.005	3.008	-0.005	99	18788	0.4168	
3 Chlorodifluoromethane	51	3.047	3.051	-0.006	98	20561	0.6094	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.255				ND	
5 Chloromethane	50	3.368	3.371	-0.005	99	10255	0.5761	
6 Butane	43	3.565	3.568	-0.005	98	542376	16.4	
7 Vinyl chloride	62		3.602				ND	
8 Butadiene	54	3.666	3.675	-0.011	91	9328	0.6038	
10 Bromomethane	94		4.307				ND	
11 Chloroethane	64		4.531				ND	
13 Vinyl bromide	106		4.910				ND	
14 Trichlorofluoromethane	101	5.017	5.019	-0.005	92	8315	0.2023	
20 1,1,2-Trichloro-1,2,2-trif	101	6.073	6.081	-0.011	92	1915	0.0590	
21 1,1-Dichloroethene	96		6.100				ND	
22 Acetone	43	6.308	6.316	-0.011	100	1060410	30.8	
23 Carbon disulfide	76	6.474	6.470	0.000	99	4794	0.0994	
24 Isopropyl alcohol	45	6.730	6.662	0.064	99	35430027	910.3	E
25 3-Chloro-1-propene	41		6.869				ND	U
27 Methylene Chloride	49	7.151	7.148	0.000	91	3102	0.1240	
28 2-Methyl-2-propanol	59	7.498	7.430	0.064	39	8111	0.2060	
29 Methyl tert-butyl ether	73		7.600				ND	
31 trans-1,2-Dichloroethene	61		7.610				ND	
33 Hexane	57	8.021	8.022	-0.006	86	7145	0.2328	
34 1,1-Dichloroethane	63		8.454				ND	
37 cis-1,2-Dichloroethene	96		9.553				ND	
38 2-Butanone (MEK)	72	9.606	9.596	0.005	98	6214	0.6401	
* 40 Chlorobromomethane	128	9.996	9.996	0.000	93	254454	20.0	
41 Tetrahydrofuran	42	10.060	10.040	0.016	91	22572	0.6650	
42 Chloroform	83	10.145	10.145	-0.006	92	3518	0.0833	
S 30 1,2-Dichloroethene, Total	61		10.200				ND	
43 Cyclohexane	84	10.423	10.413	0.005	89	12787	0.4797	
44 1,1,1-Trichloroethane	97	10.418	10.413	0.000	76	8036	0.1797	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Carbon tetrachloride	117	10.684	10.680	0.000	67	2262	0.0523	
47 Benzene	78	11.117	11.117	-0.005	98	16231	0.2453	
46 Isooctane	57		11.149				ND	
48 1,2-Dichloroethane	62		11.282				ND	
49 n-Heptane	43	11.554	11.549	0.000	96	8323	0.1352	
* 50 1,4-Difluorobenzene	114	11.965	11.971	-0.006	98	1382730	20.0	
53 Trichloroethene	95		12.440				ND	
54 1,2-Dichloropropane	63		12.958				ND	
55 Methyl methacrylate	69		13.182				ND	
56 1,4-Dioxane	88		13.230				ND	
58 Dichlorobromomethane	83		13.540				ND	
60 cis-1,3-Dichloropropene	75		14.495				ND	
61 4-Methyl-2-pentanone (MIBK)	43		14.799				ND	
65 Toluene	92	15.098	15.094	0.000	92	59424	1.24	
66 trans-1,3-Dichloropropene	75		15.696				ND	U
67 1,1,2-Trichloroethane	83		16.064				ND	
68 Tetrachloroethene	166	16.208	16.209	-0.005	93	23214	0.6719	
69 2-Hexanone	43		16.539				ND	U
71 Chlorodibromomethane	129		16.833				ND	
72 Ethylene Dibromide	107		17.083				ND	
* 74 Chlorobenzene-d5	117	18.001	18.007	-0.006	94	1359977	20.0	
75 Chlorobenzene	112		18.065				ND	
76 Ethylbenzene	91	18.236	18.231	0.000	99	33888	0.3073	
78 m-Xylene & p-Xylene	106	18.487	18.482	0.000	0	46986	1.20	
79 o-Xylene	106	19.320	19.319	-0.005	97	12698	0.3396	
80 Styrene	104	19.373	19.367	0.000	84	2022	0.0337	
81 Bromoform	173		19.800				ND	
82 Isopropylbenzene	105	20.051	20.050	-0.005	72	1405	0.0122	
S 73 Xylenes, Total	106				0		1.54	
84 1,1,2,2-Tetrachloroethane	83		20.739				ND	
85 N-Propylbenzene	91	20.830	20.824	0.000	97	3437	0.0229	
89 2-Chlorotoluene	91		21.027				ND	
88 4-Ethyltoluene	105	21.033	21.021	0.006	95	3284	0.0277	
90 1,3,5-Trimethylbenzene	105	21.139	21.139	-0.006	77	2326	0.0241	
92 tert-Butylbenzene	119		21.652				ND	U
93 1,2,4-Trimethylbenzene	105	21.748	21.747	-0.005	98	6788	0.0696	
94 sec-Butylbenzene	105		21.993				ND	U
95 4-Isopropyltoluene	119		22.207				ND	U
96 1,3-Dichlorobenzene	146		22.217				ND	
97 1,4-Dichlorobenzene	146		22.362				ND	
98 Benzyl chloride	91		22.548				ND	U
100 n-Butylbenzene	91		22.783				ND	
101 1,2-Dichlorobenzene	146		22.879				ND	
103 1,2,4-Trichlorobenzene	180		25.254				ND	
104 Hexachlorobutadiene	225		25.457				ND	
105 Naphthalene	128	25.692	25.679	0.006	96	3245	0.0267	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

U - Marked Undetected

Reagents:

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 21-Feb-2020 08:12:00

Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D

Injection Date: 21-Feb-2020 05:27:30

Instrument ID: CHC.i

Operator ID: ggg

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Worklist Smp#: 22

Client ID: IA-05-021420

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

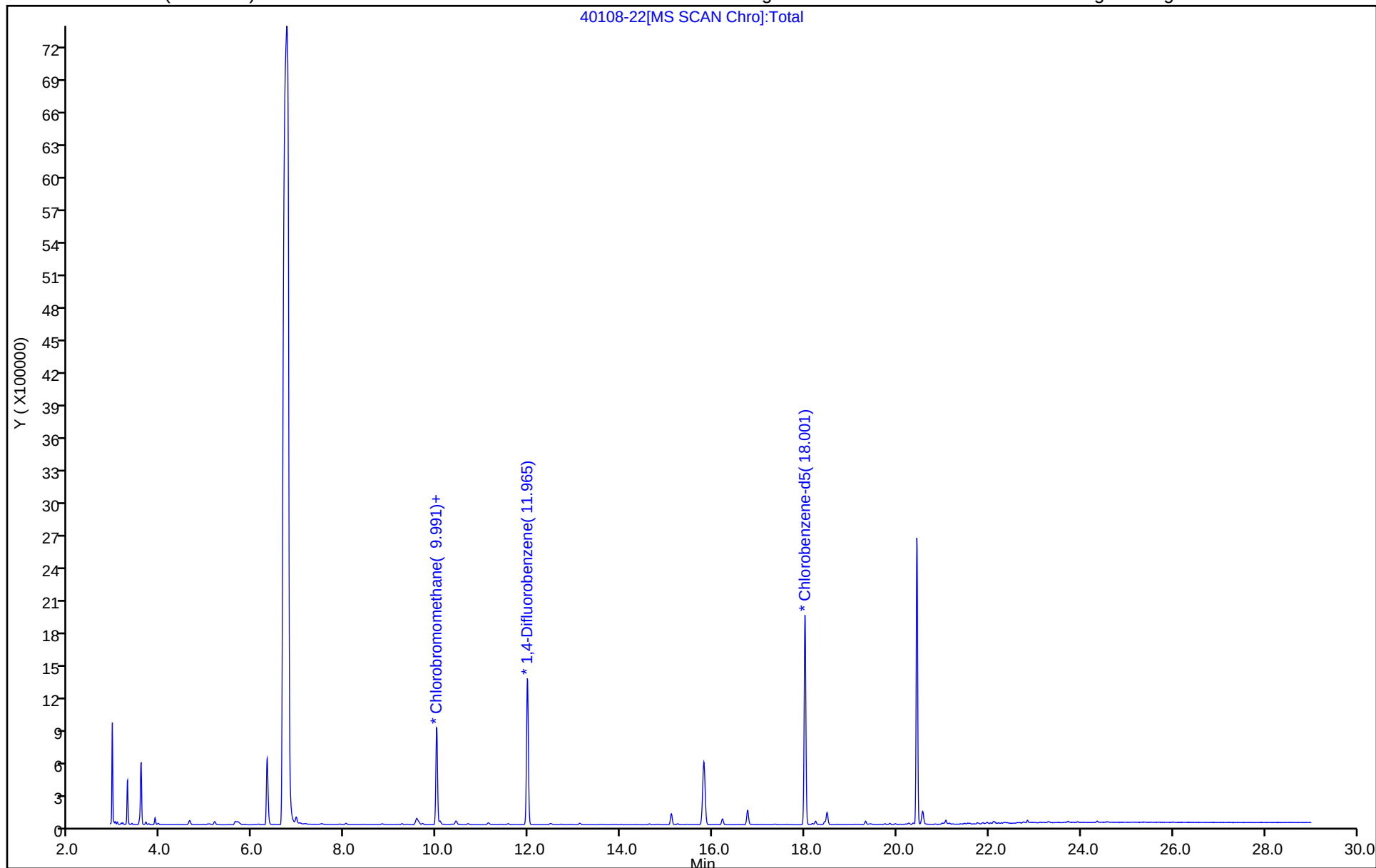
ALS Bottle#: 22

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D

Injection Date: 21-Feb-2020 05:27:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 200.000 mL

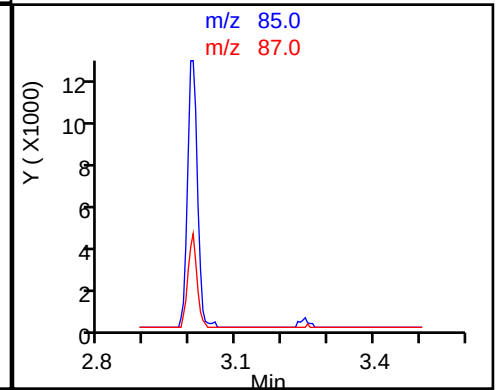
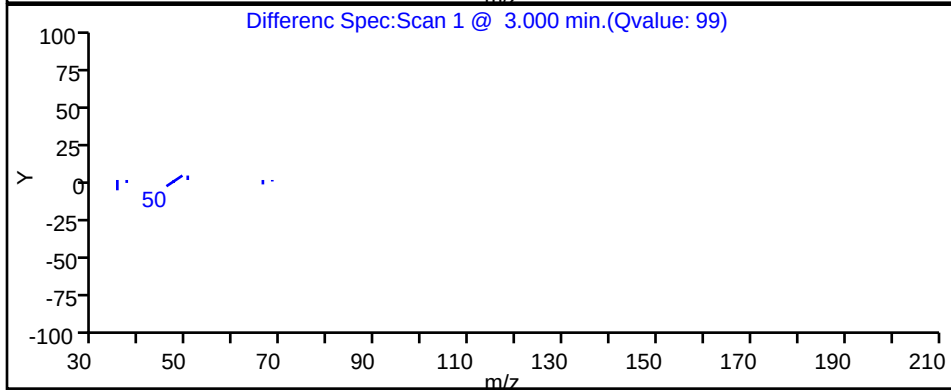
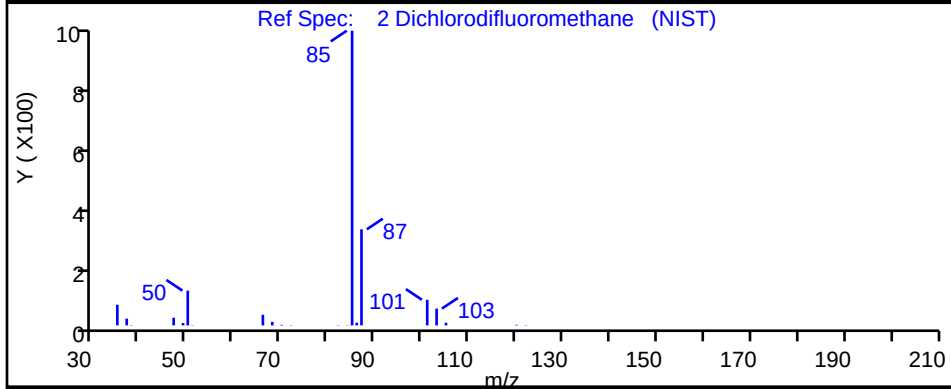
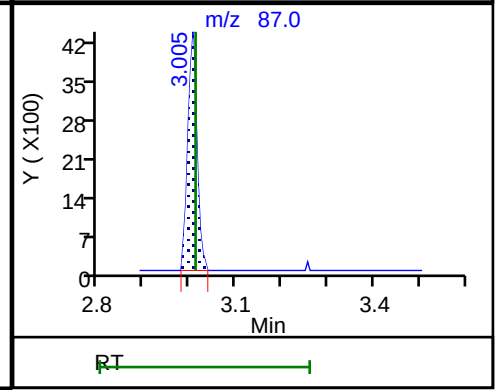
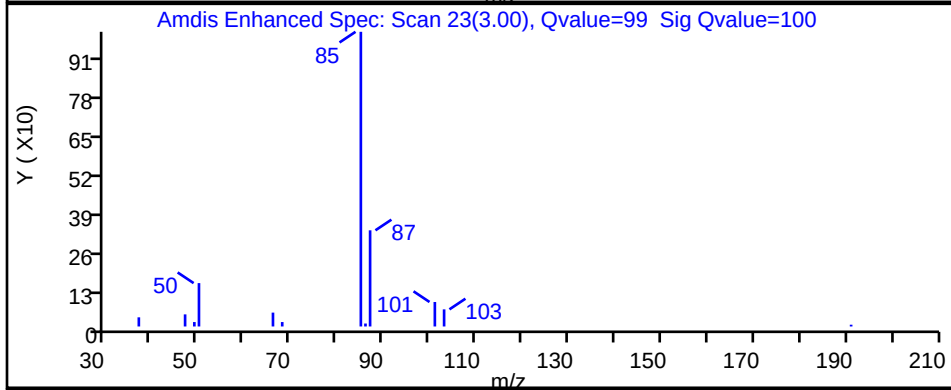
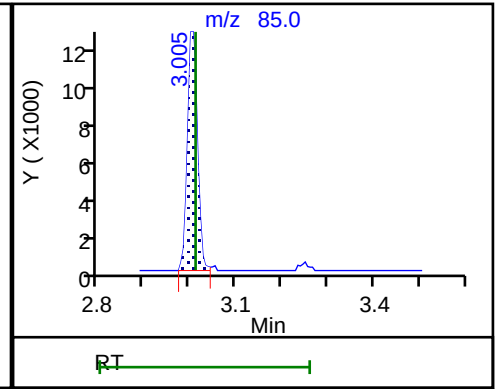
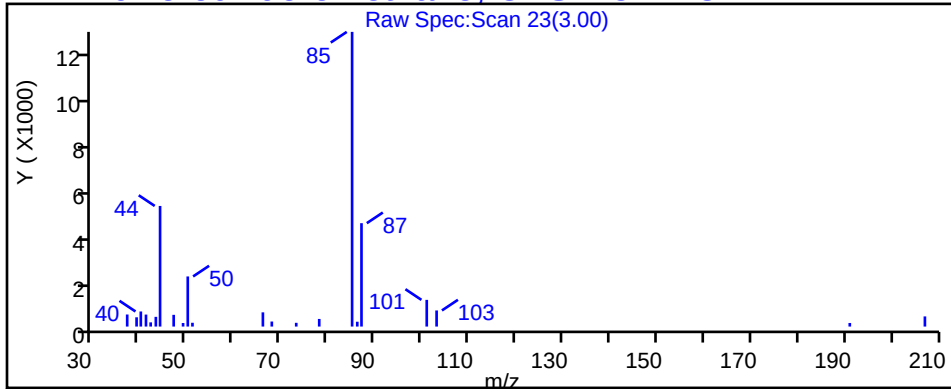
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D

Injection Date: 21-Feb-2020 05:27:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 200.000 mL

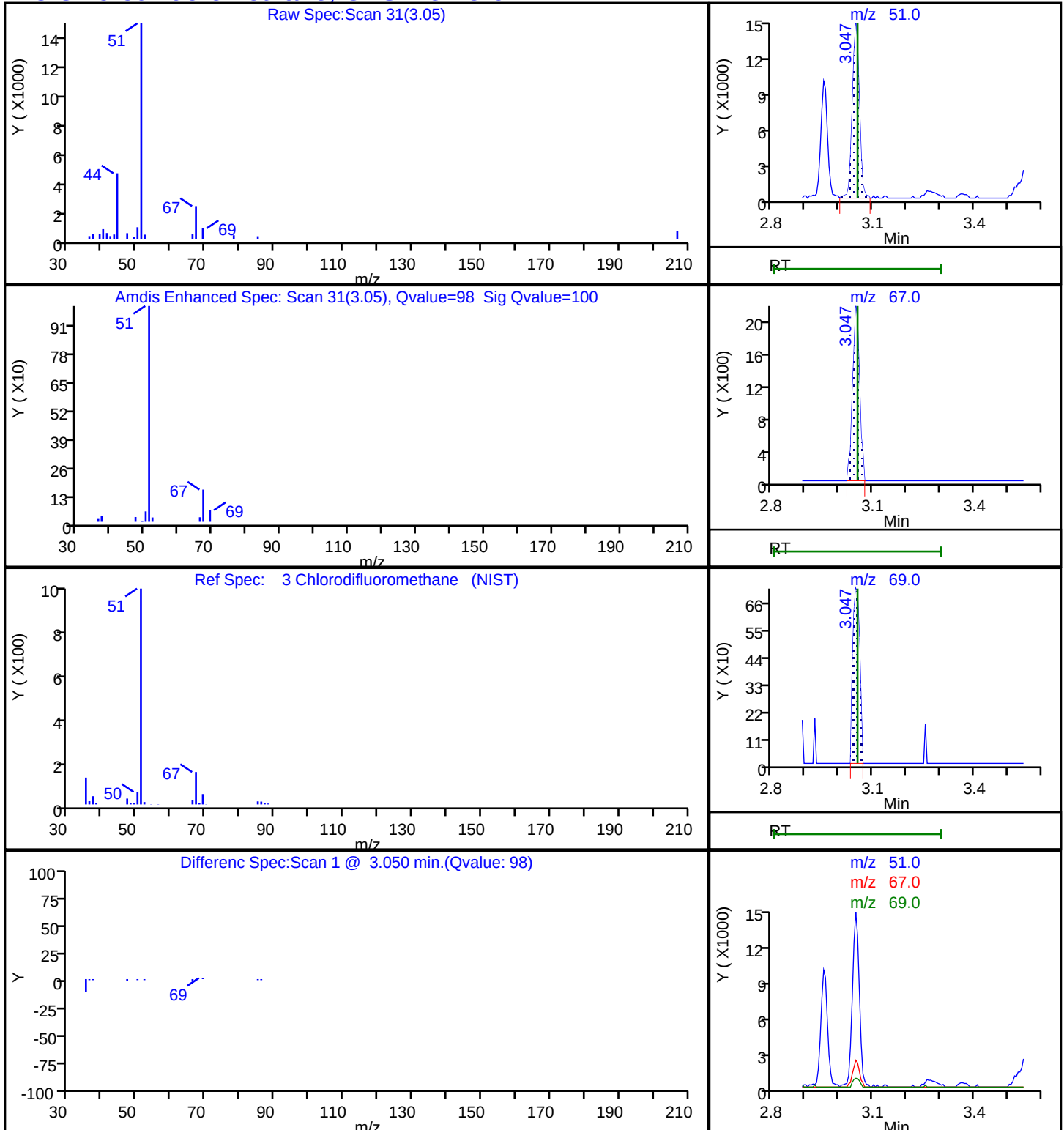
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

3 Chlorodifluoromethane, CAS: 75-45-6

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D

Injection Date: 21-Feb-2020 05:27:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 200.000 mL

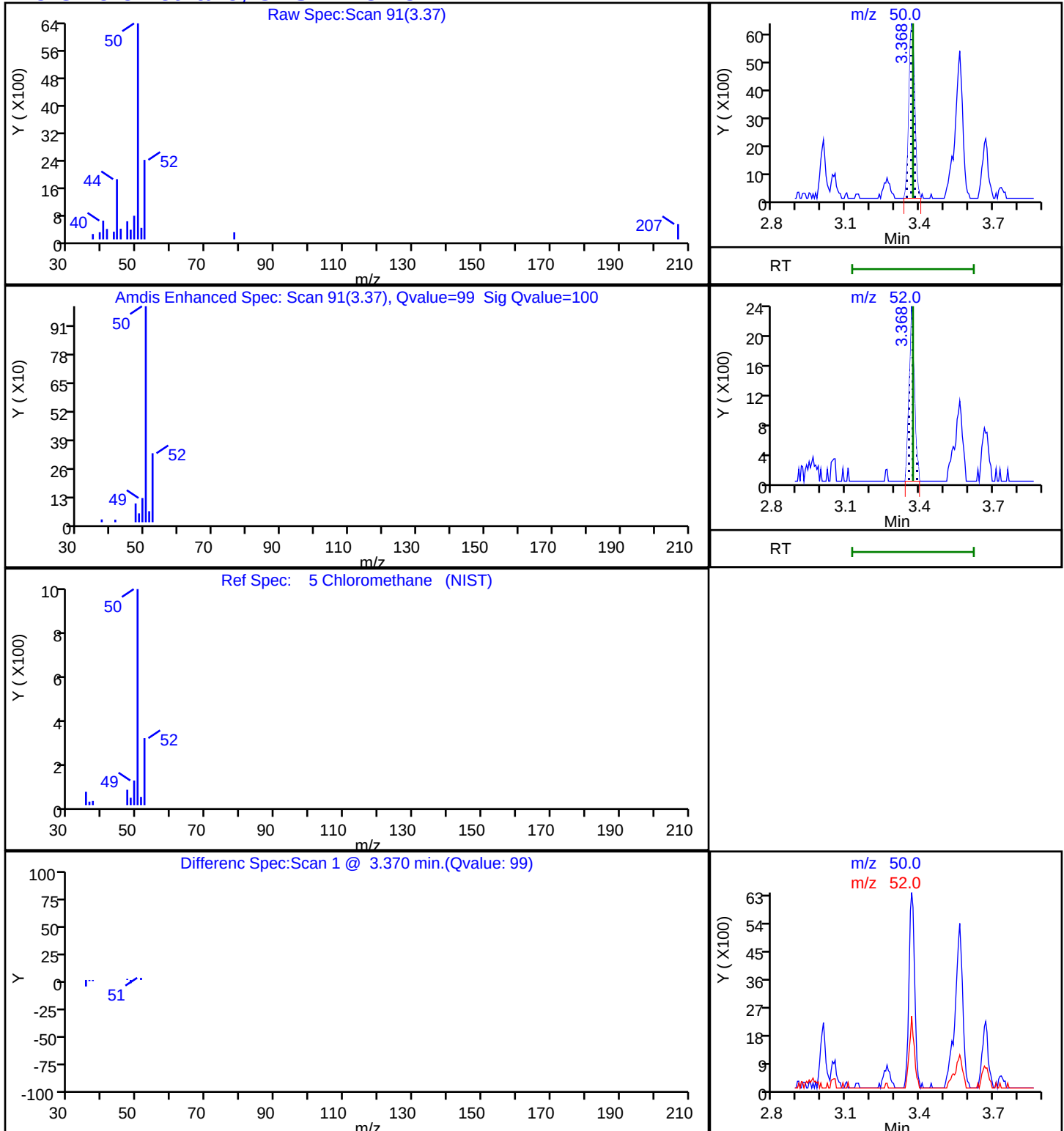
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

5 Chloromethane, CAS: 74-87-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D

Injection Date: 21-Feb-2020 05:27:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 200.000 mL

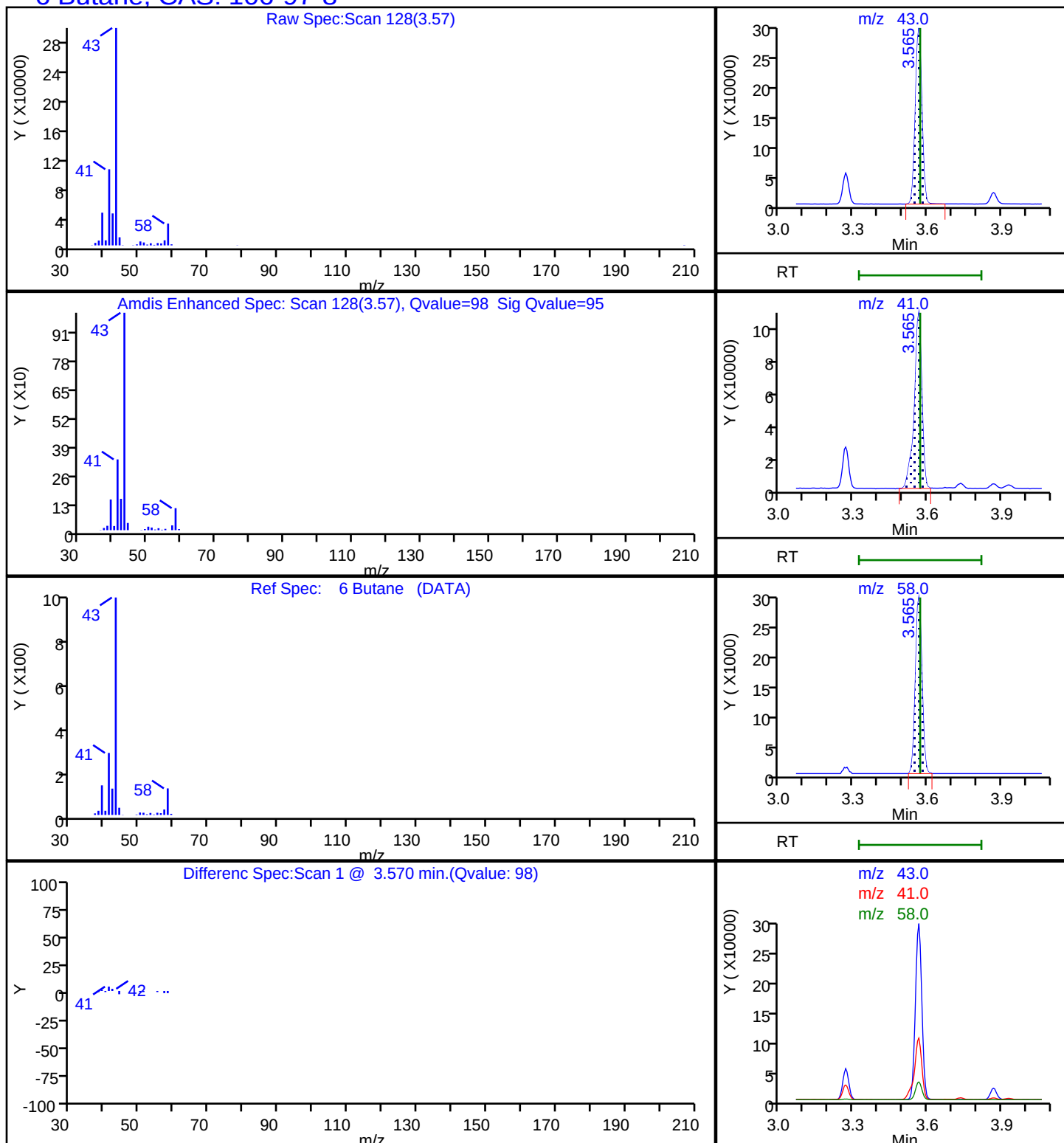
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

6 Butane, CAS: 106-97-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D

Injection Date: 21-Feb-2020 05:27:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 200.000 mL

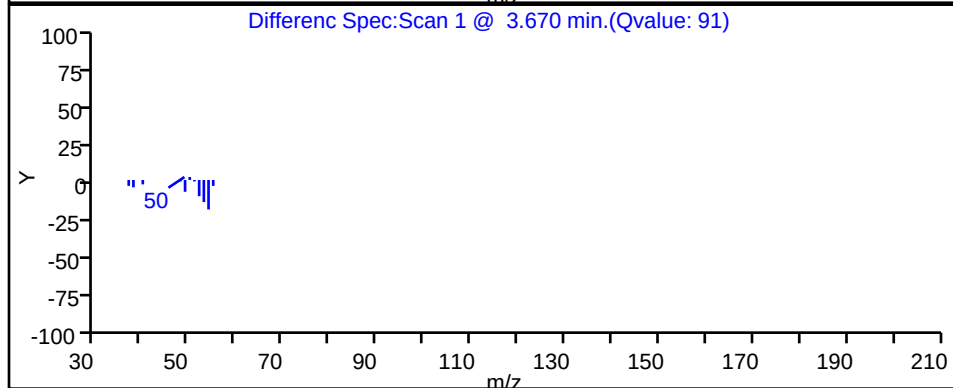
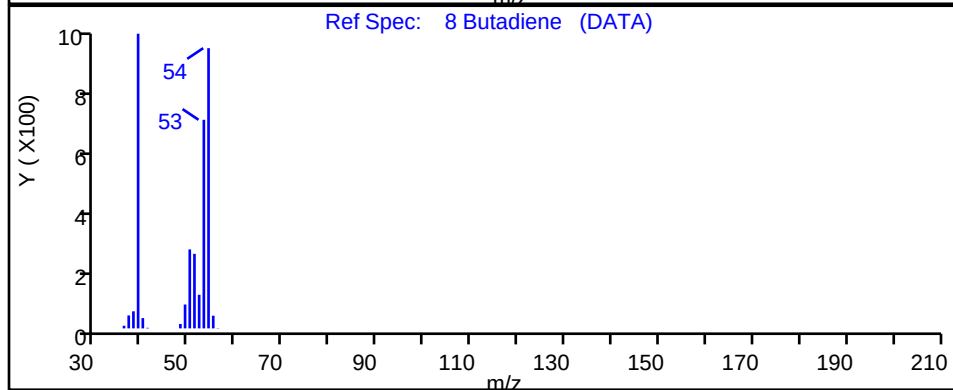
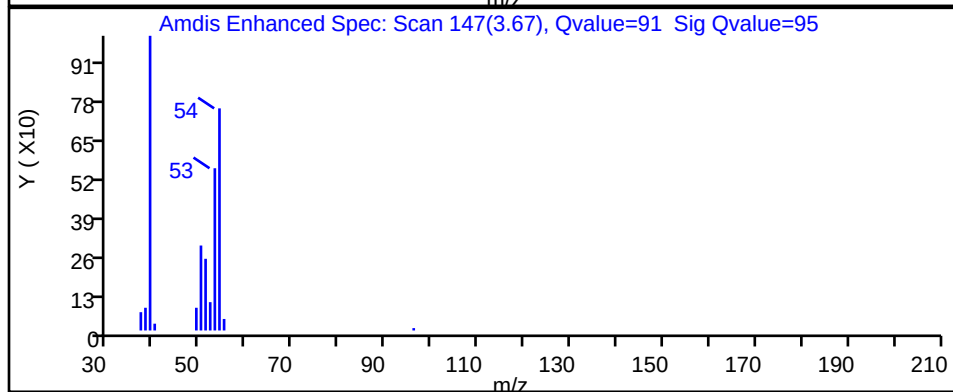
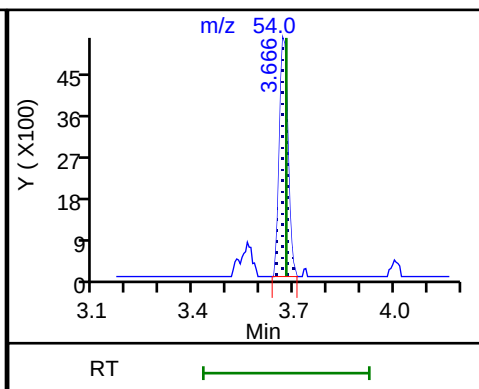
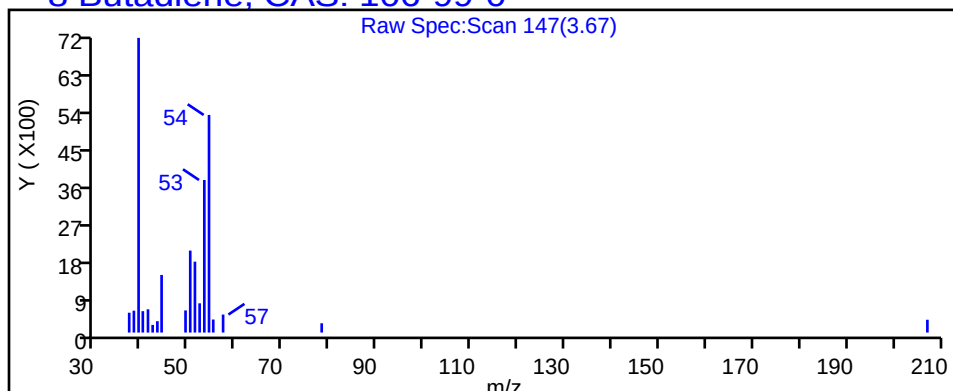
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

8 Butadiene, CAS: 106-99-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D

Injection Date: 21-Feb-2020 05:27:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 200.000 mL

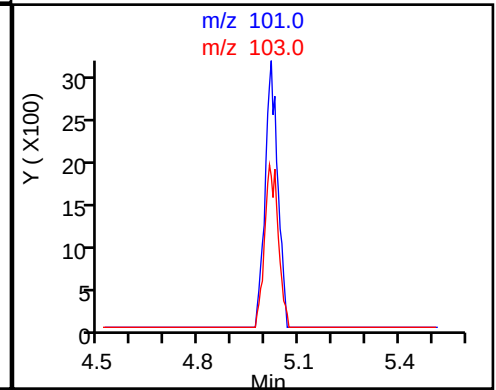
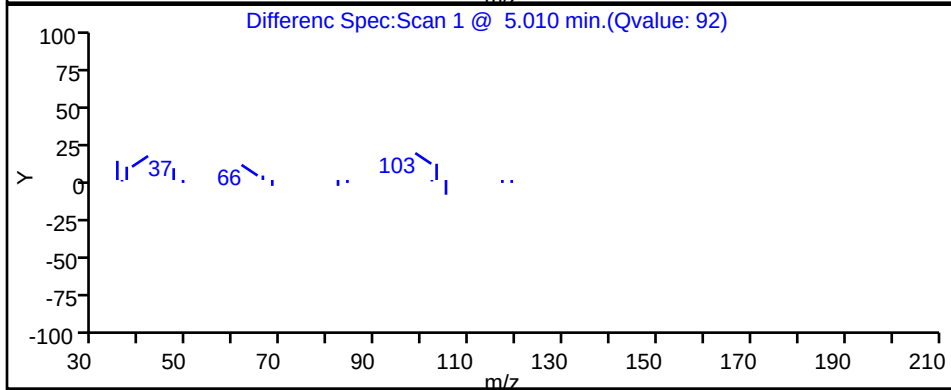
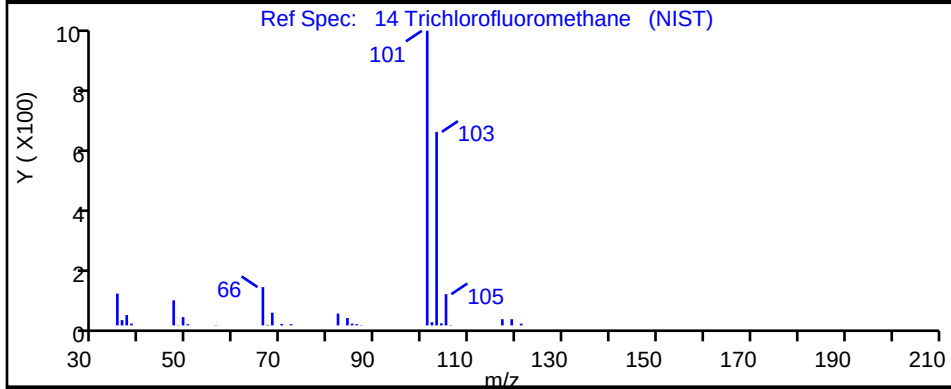
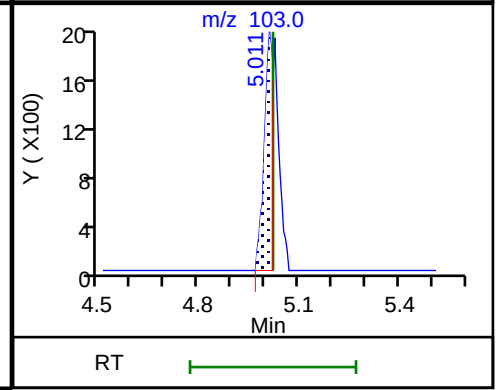
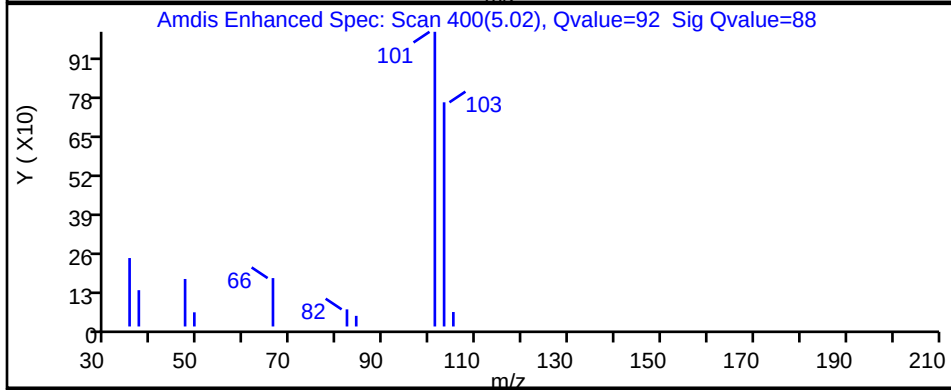
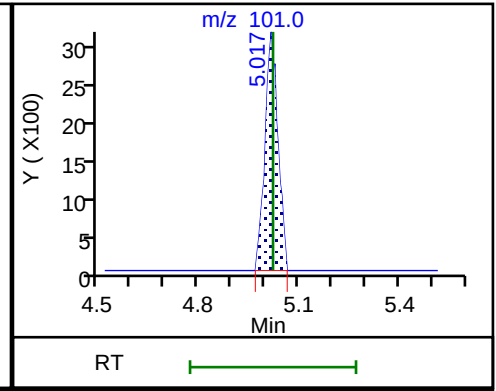
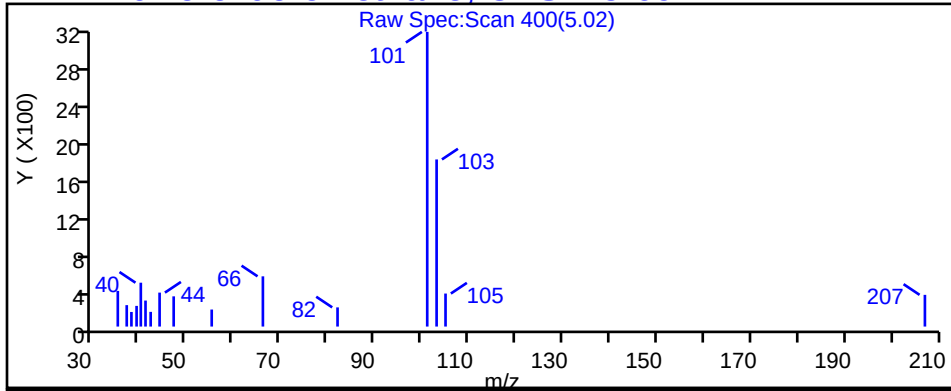
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

14 Trichlorofluoromethane, CAS: 75-69-4

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D

Injection Date: 21-Feb-2020 05:27:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 200.000 mL

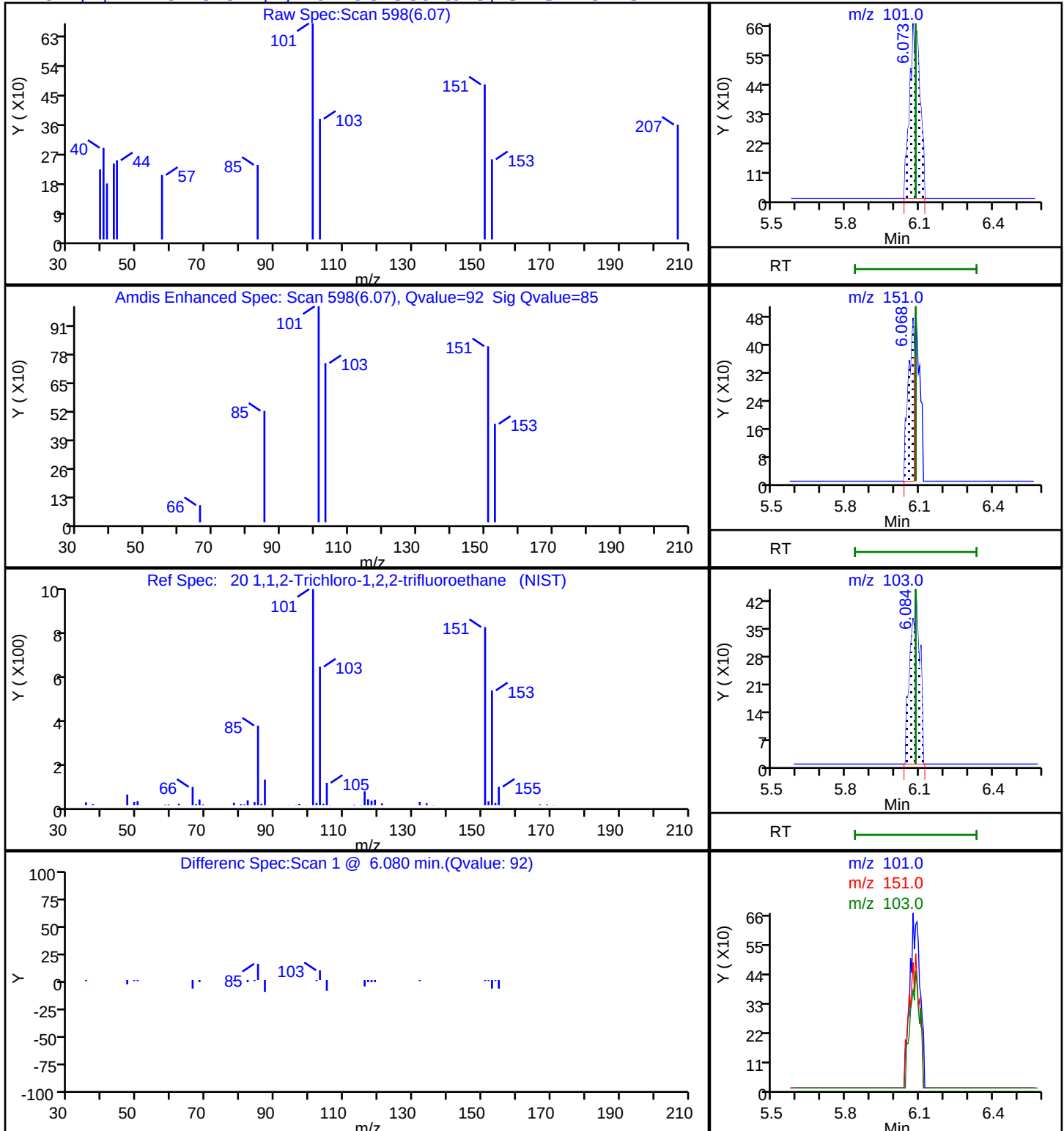
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D

Injection Date: 21-Feb-2020 05:27:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 200.000 mL

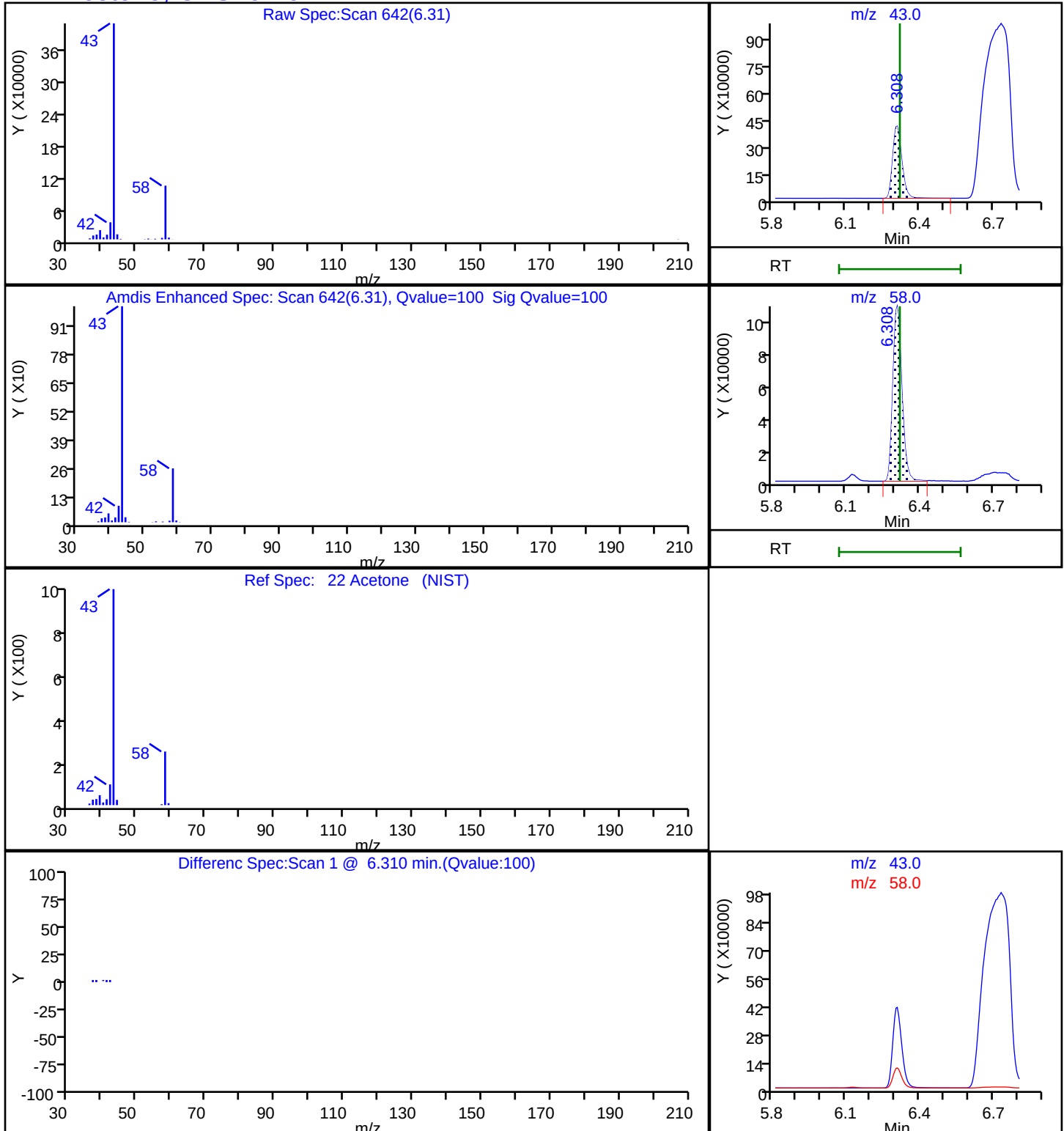
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

22 Acetone, CAS: 67-64-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D

Injection Date: 21-Feb-2020 05:27:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 200.000 mL

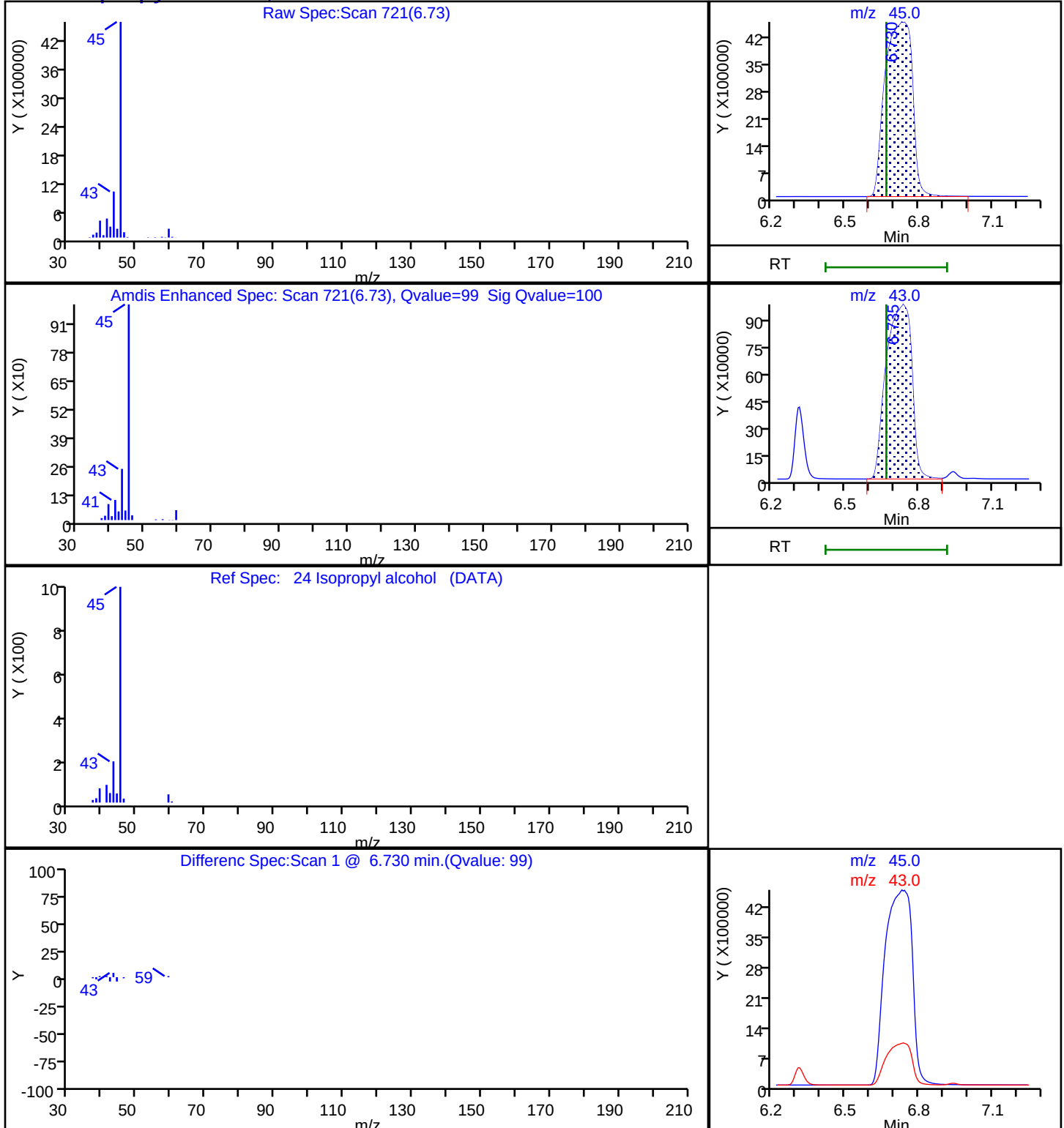
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D

Injection Date: 21-Feb-2020 05:27:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 200.000 mL

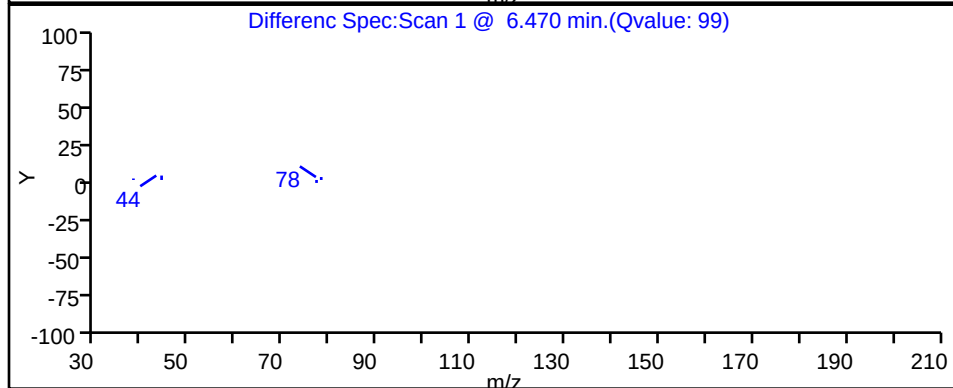
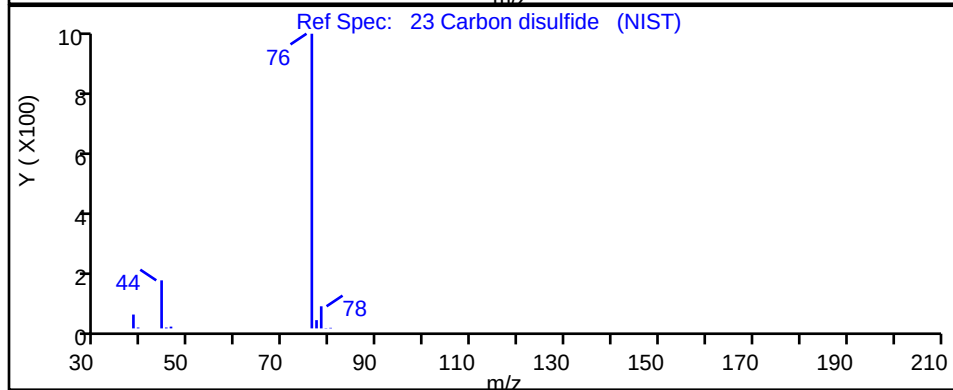
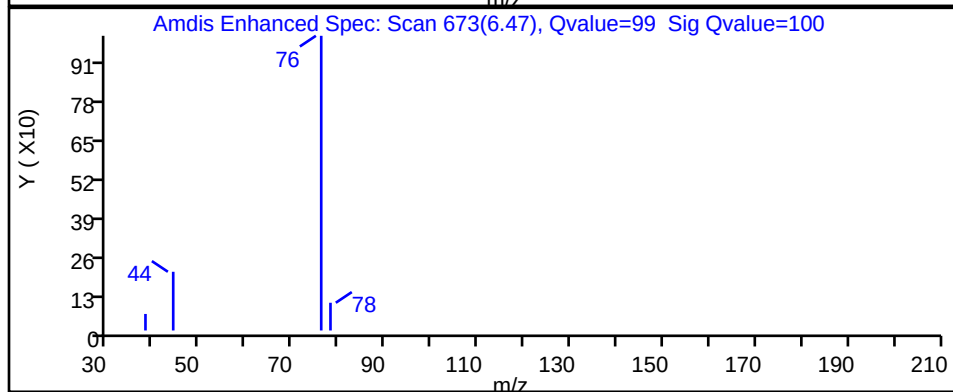
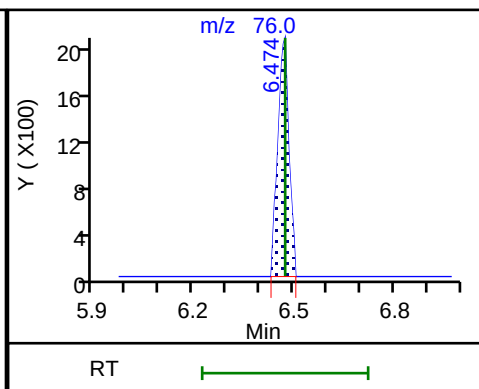
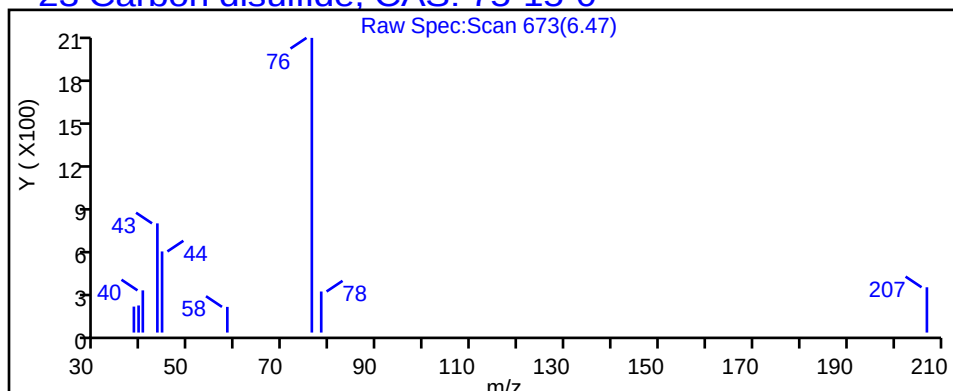
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

23 Carbon disulfide, CAS: 75-15-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D

Injection Date: 21-Feb-2020 05:27:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 200.000 mL

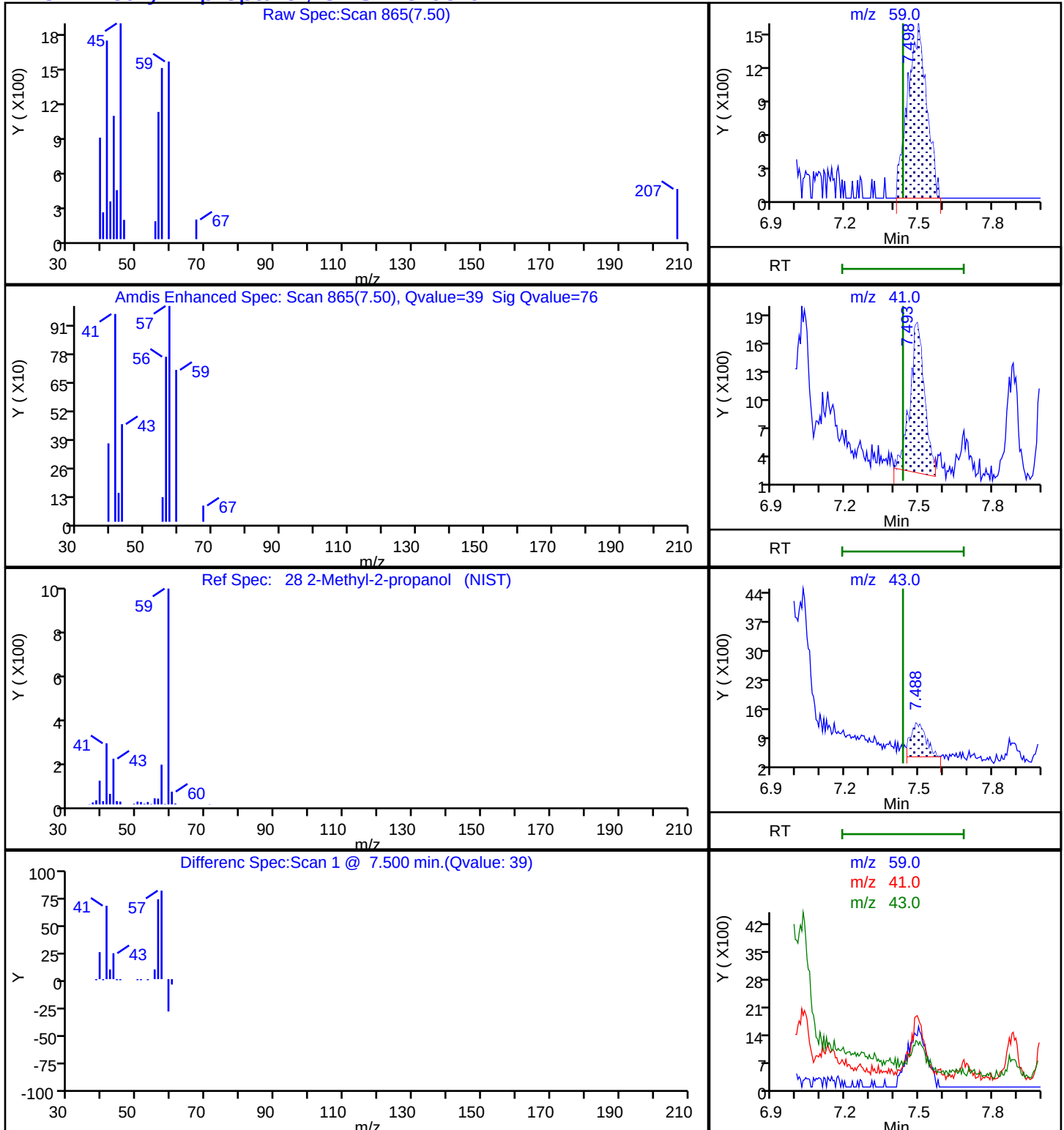
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D

Injection Date: 21-Feb-2020 05:27:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 200.000 mL

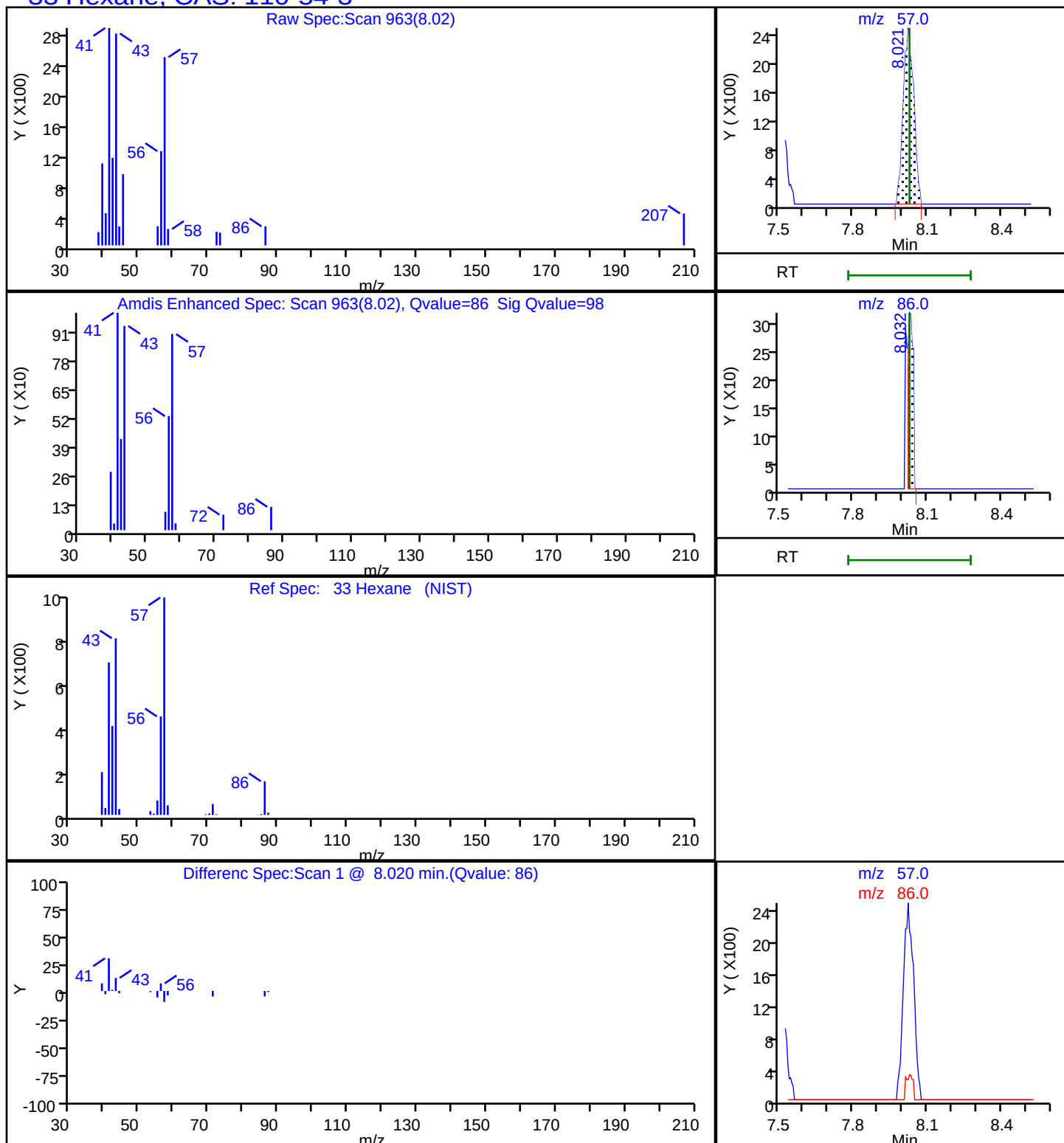
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

33 Hexane, CAS: 110-54-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D

Injection Date: 21-Feb-2020 05:27:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 200.000 mL

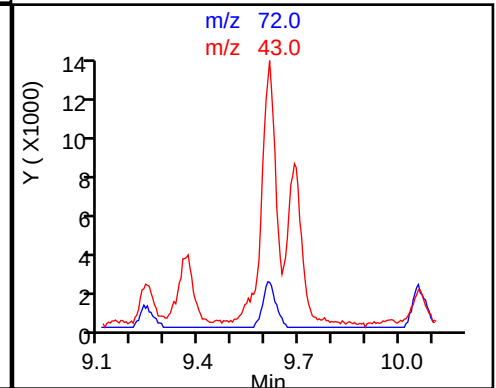
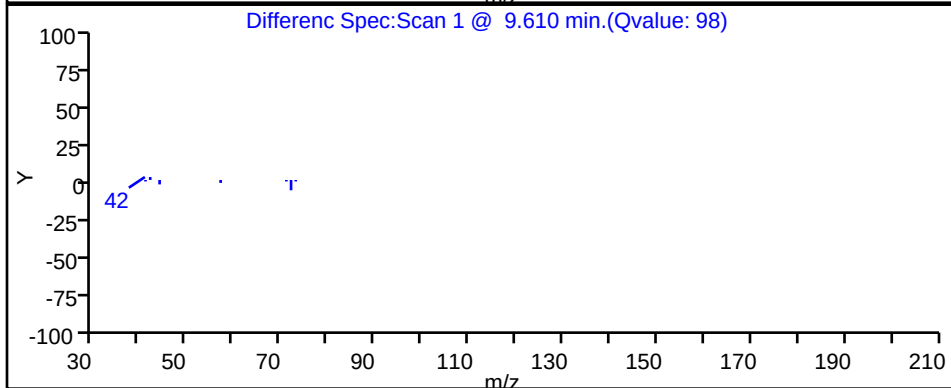
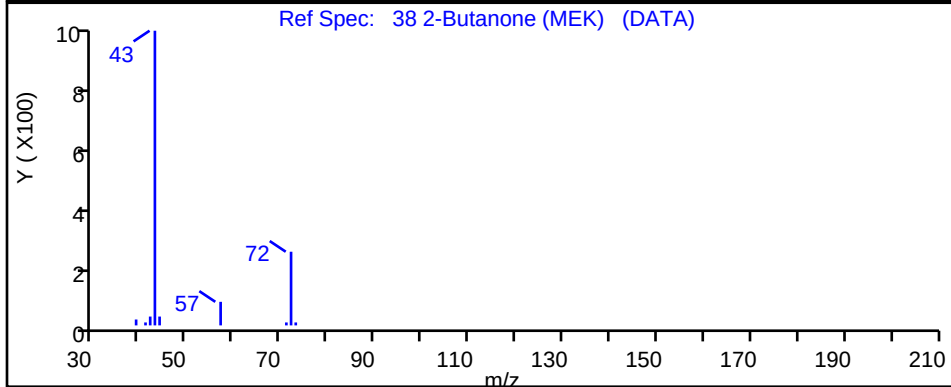
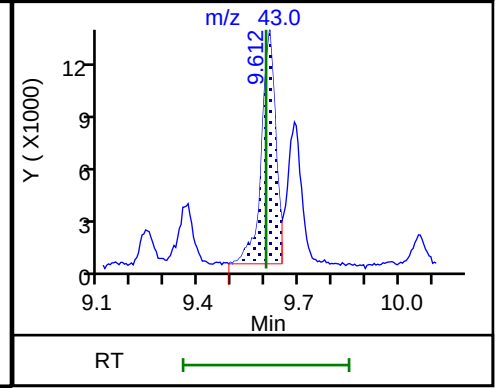
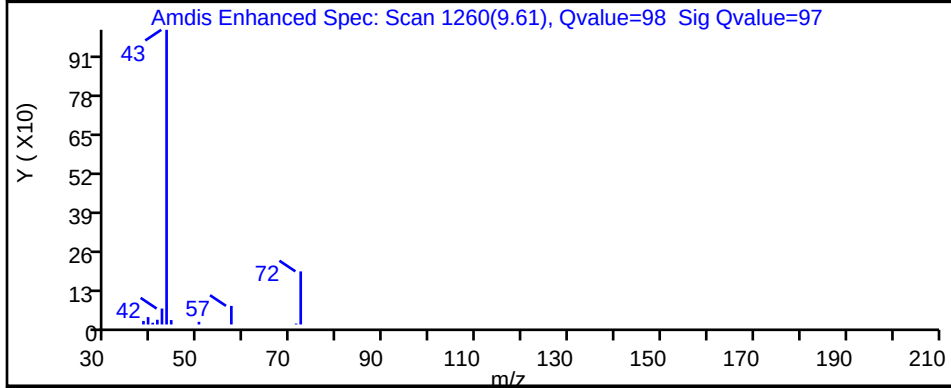
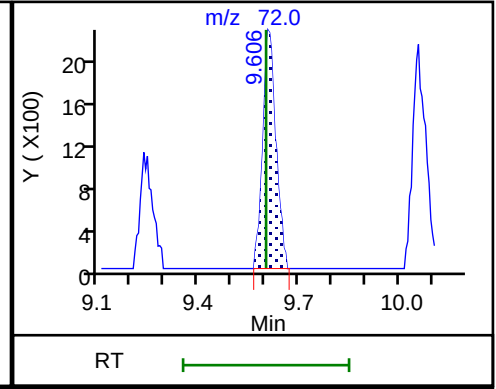
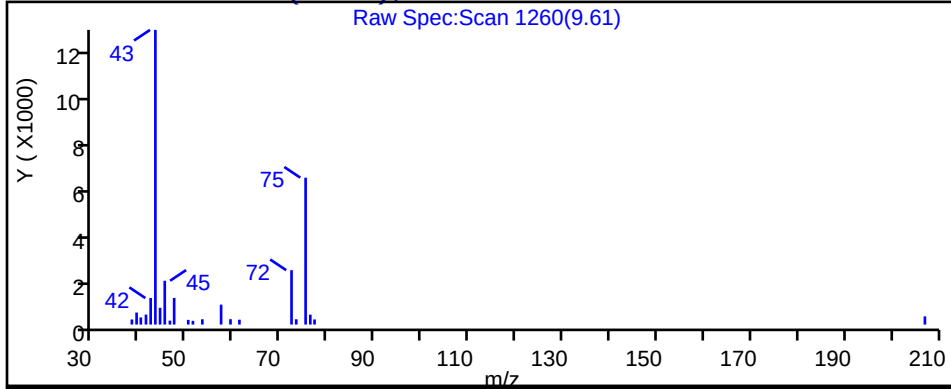
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

38 2-Butanone (MEK), CAS: 78-93-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D

Injection Date: 21-Feb-2020 05:27:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 200.000 mL

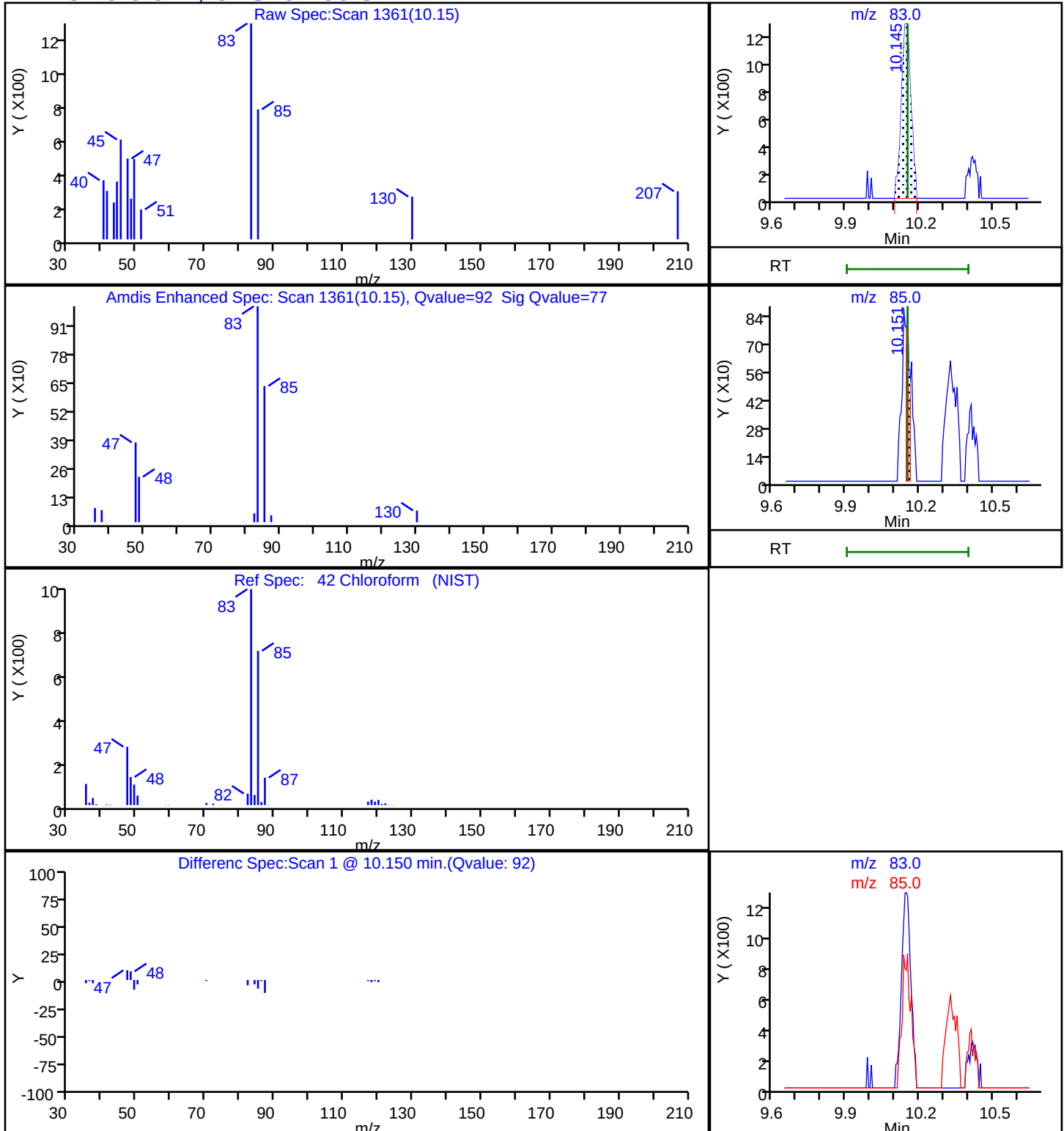
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

42 Chloroform, CAS: 67-66-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D

Injection Date: 21-Feb-2020 05:27:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 200.000 mL

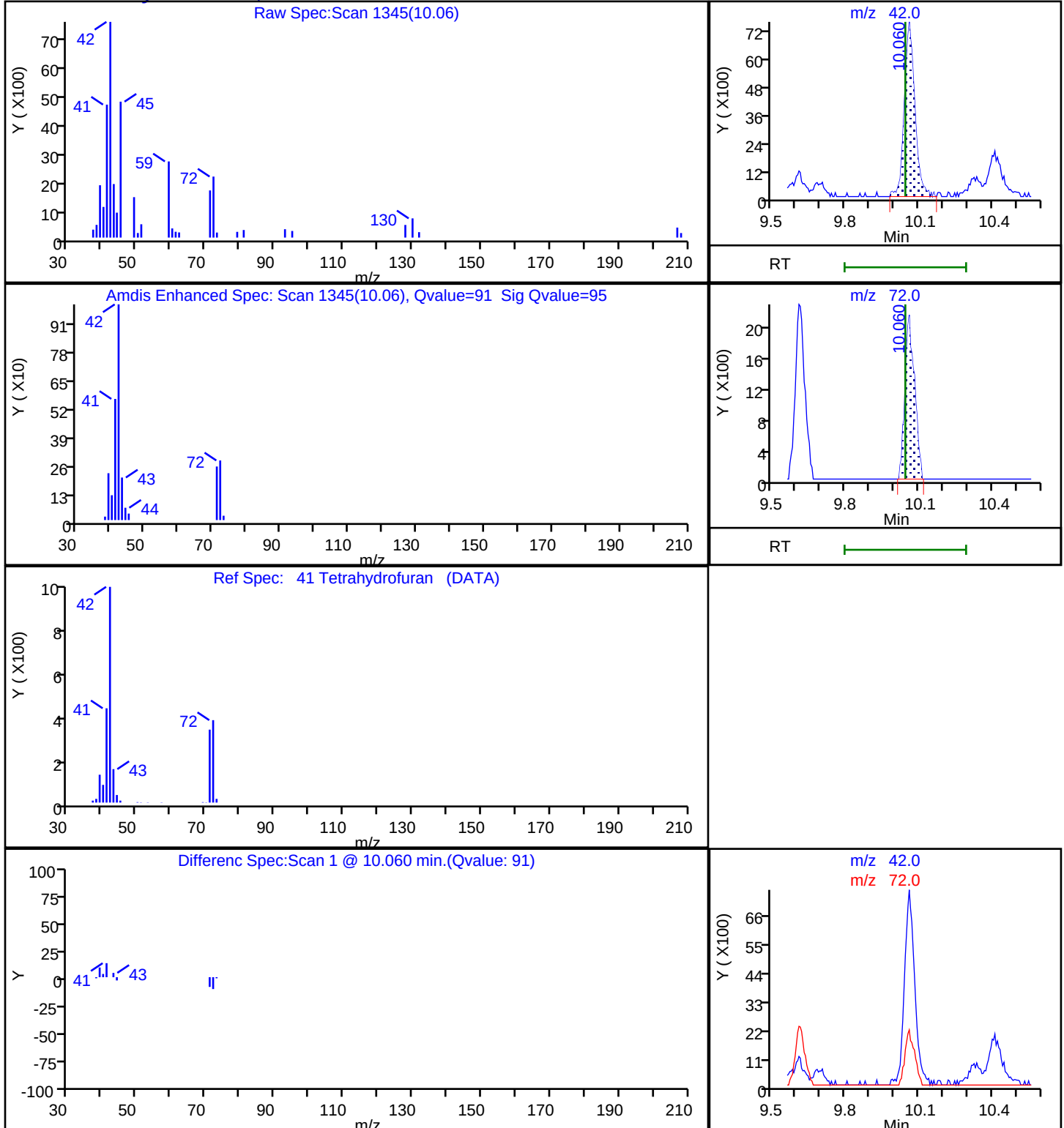
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

41 Tetrahydrofuran, CAS: 109-99-9

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D

Injection Date: 21-Feb-2020 05:27:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 200.000 mL

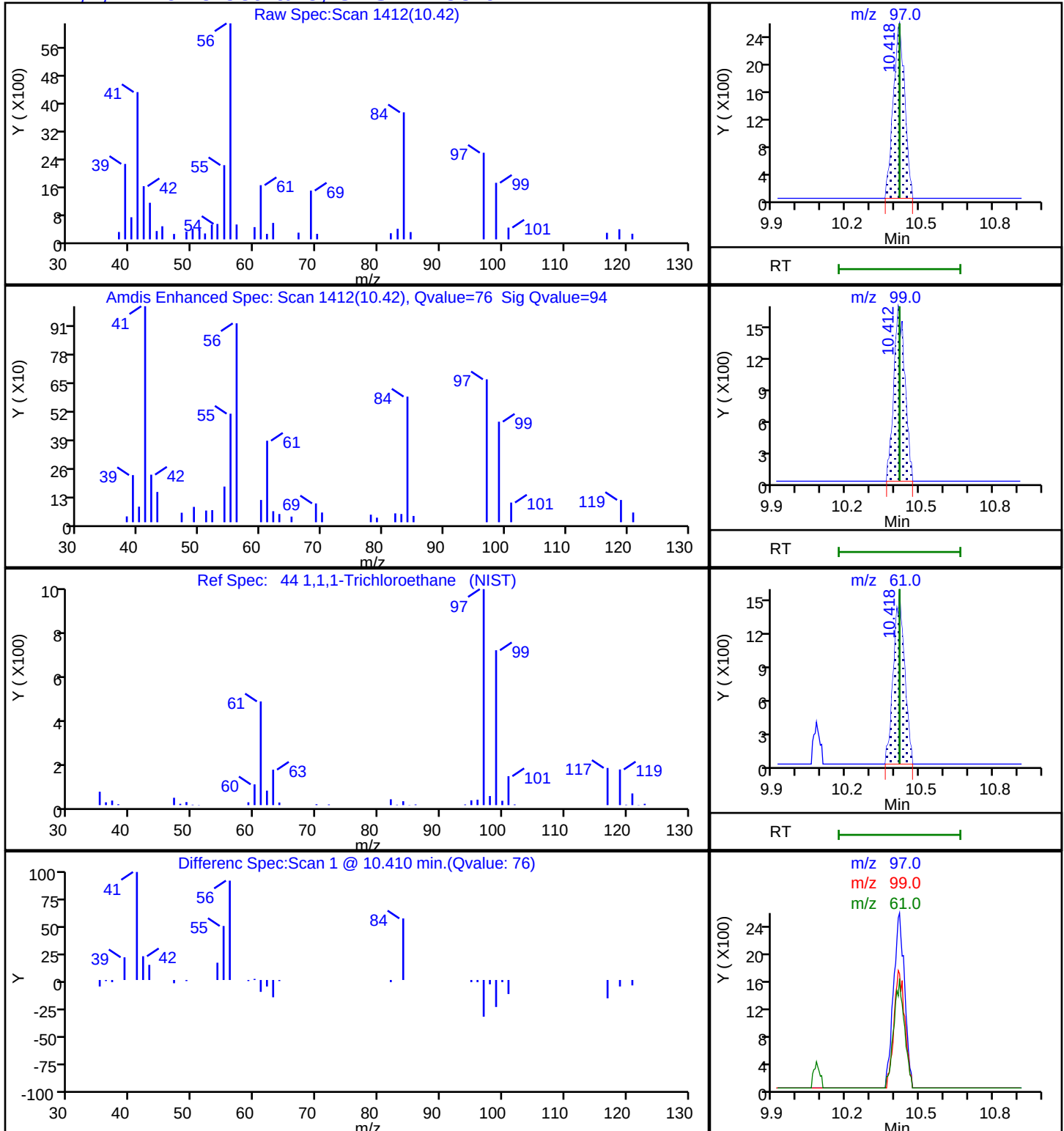
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

44 1,1,1-Trichloroethane, CAS: 71-55-6

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D

Injection Date: 21-Feb-2020 05:27:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 200.000 mL

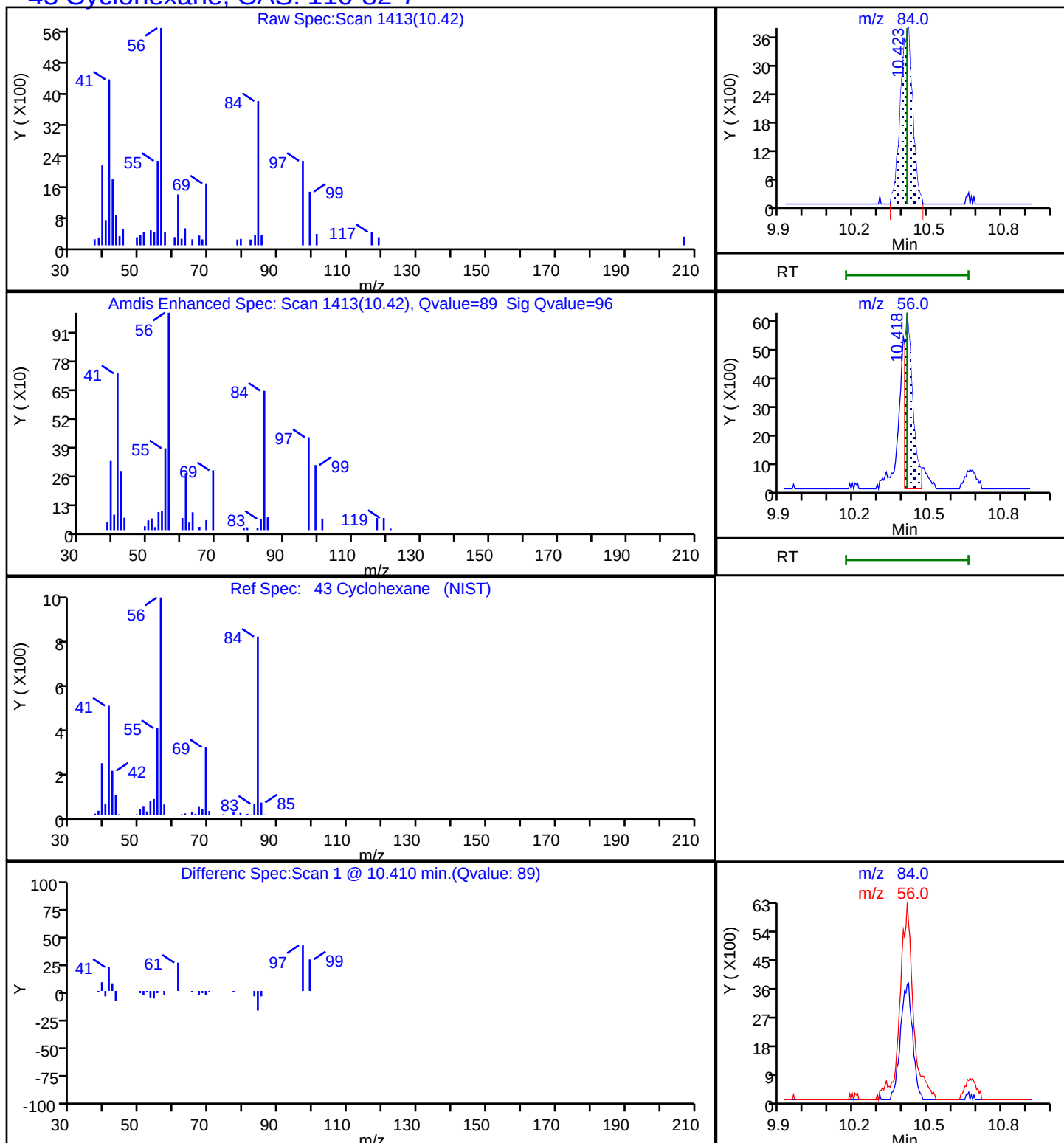
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D

Injection Date: 21-Feb-2020 05:27:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 200.000 mL

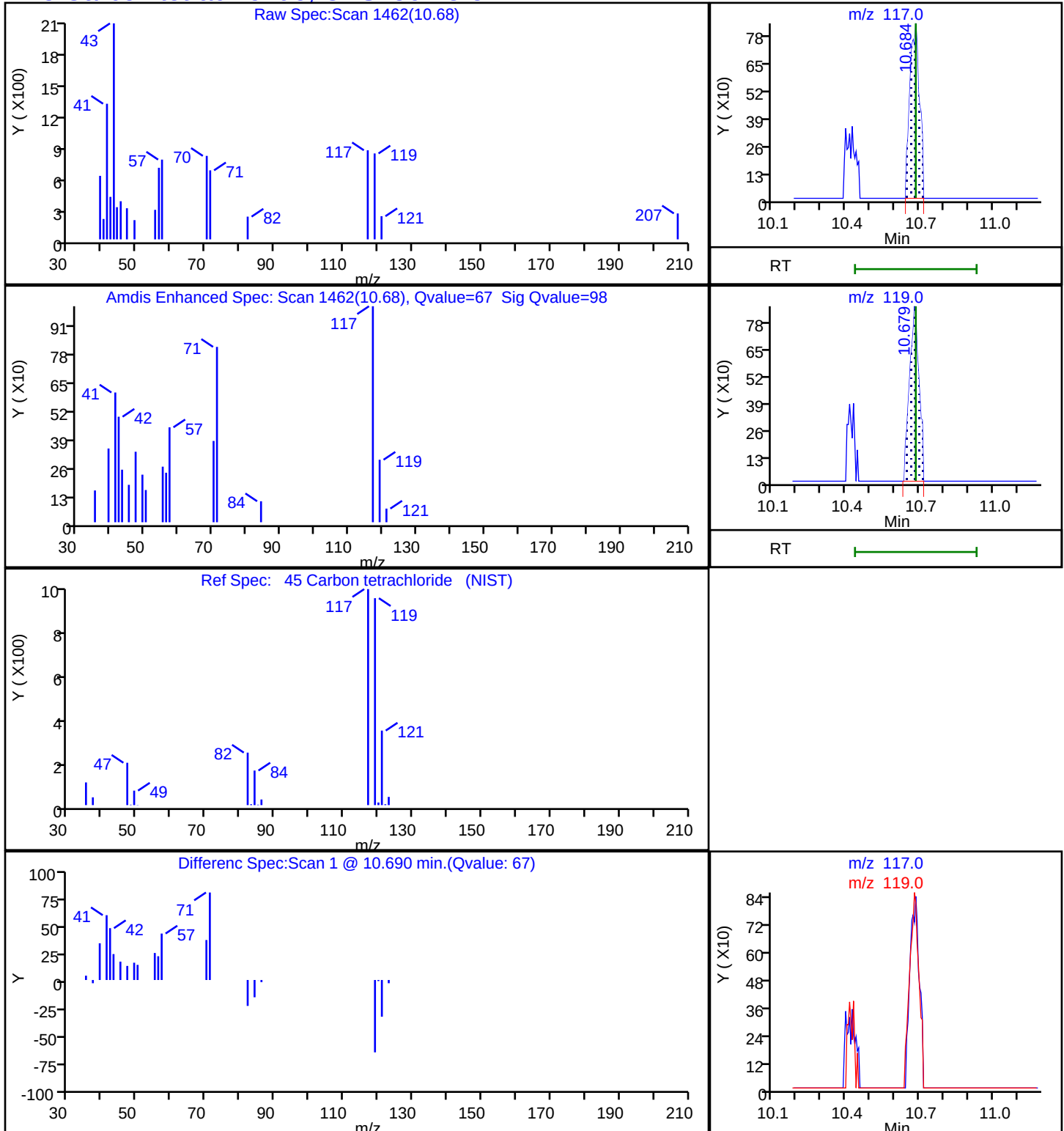
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

45 Carbon tetrachloride, CAS: 56-23-5

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D

Injection Date: 21-Feb-2020 05:27:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 200.000 mL

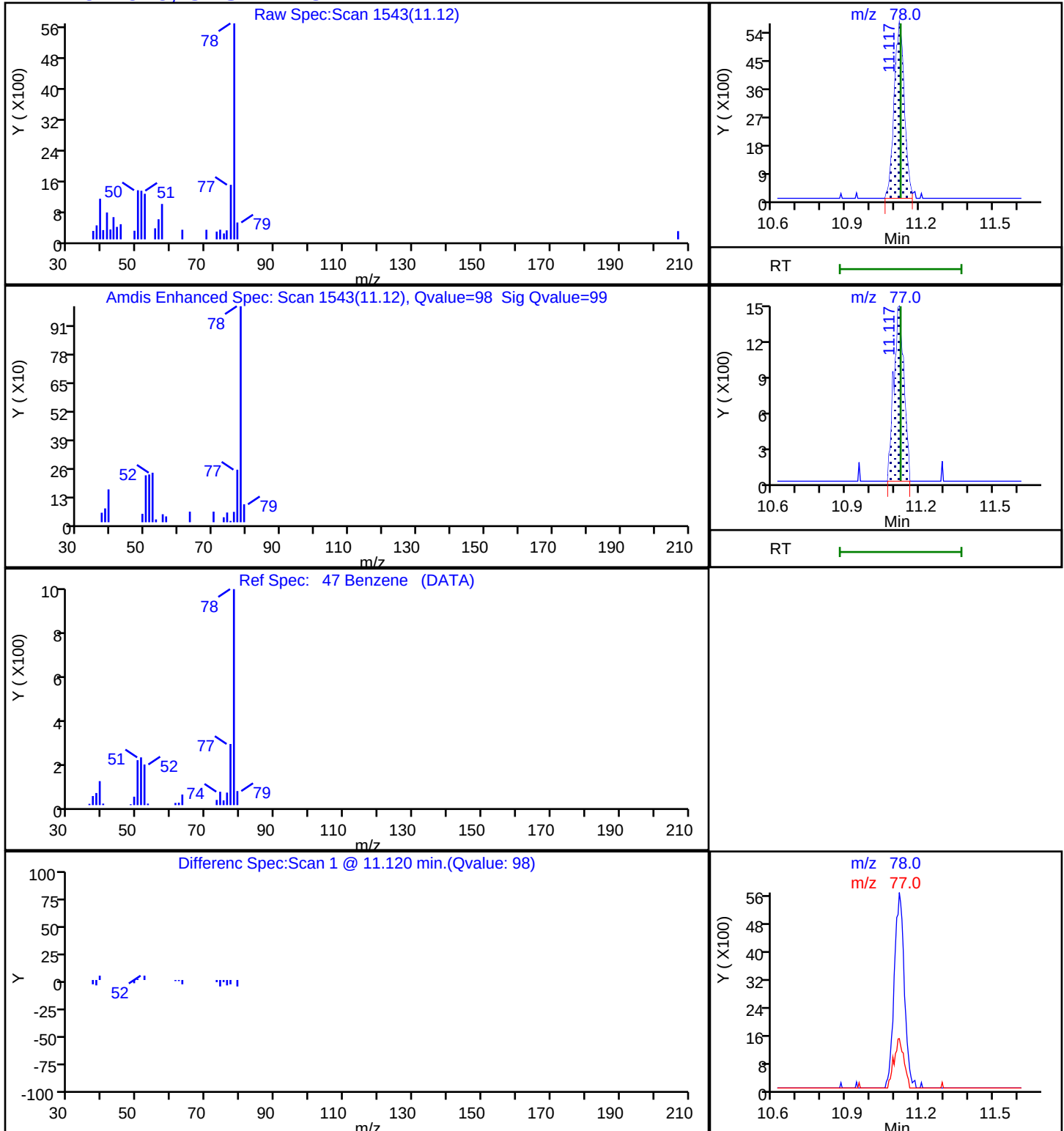
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

47 Benzene, CAS: 71-43-2

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D

Injection Date: 21-Feb-2020 05:27:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 200.000 mL

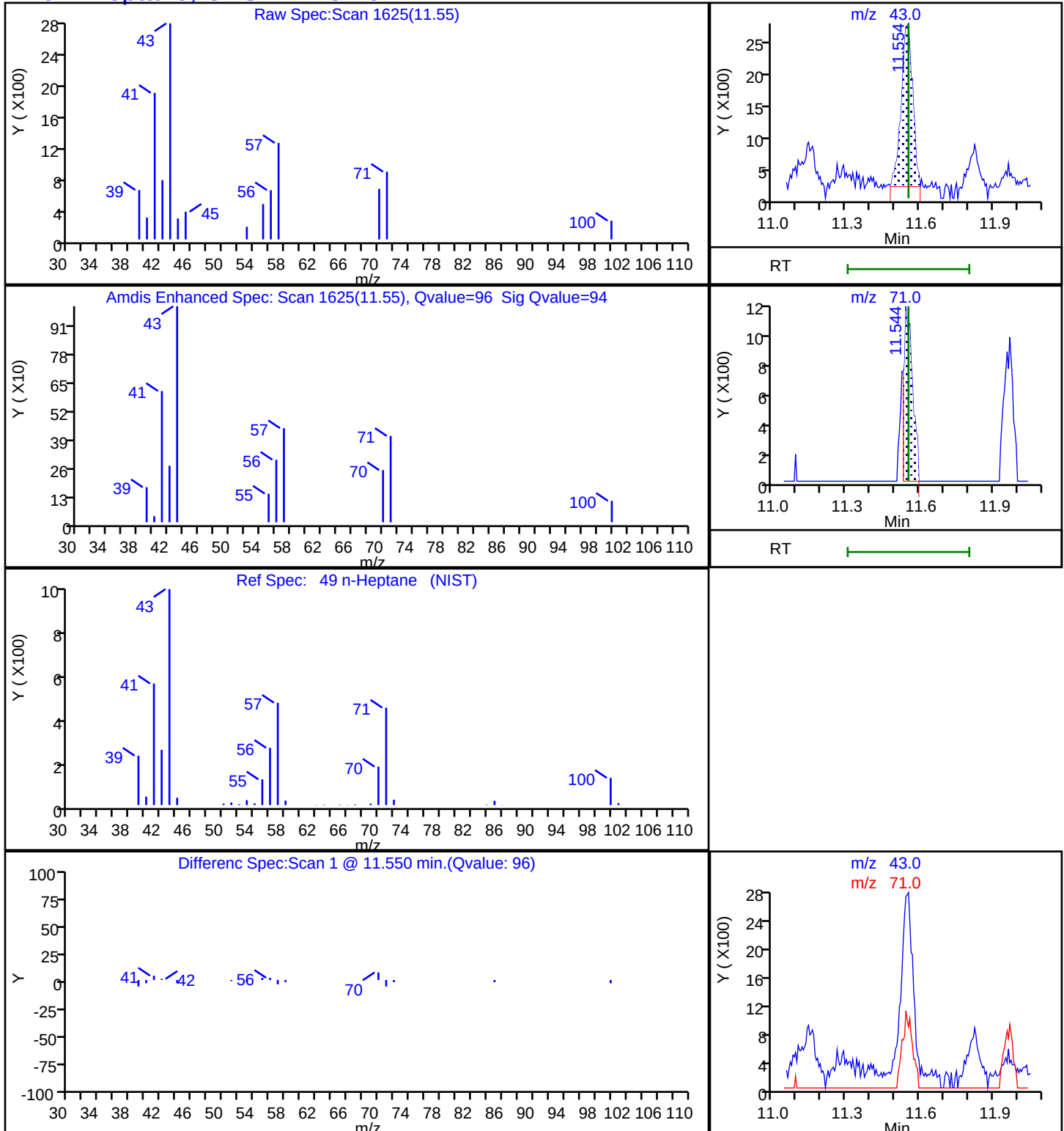
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

49 n-Heptane, CAS: 142-82-5

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D

Injection Date: 21-Feb-2020 05:27:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 200.000 mL

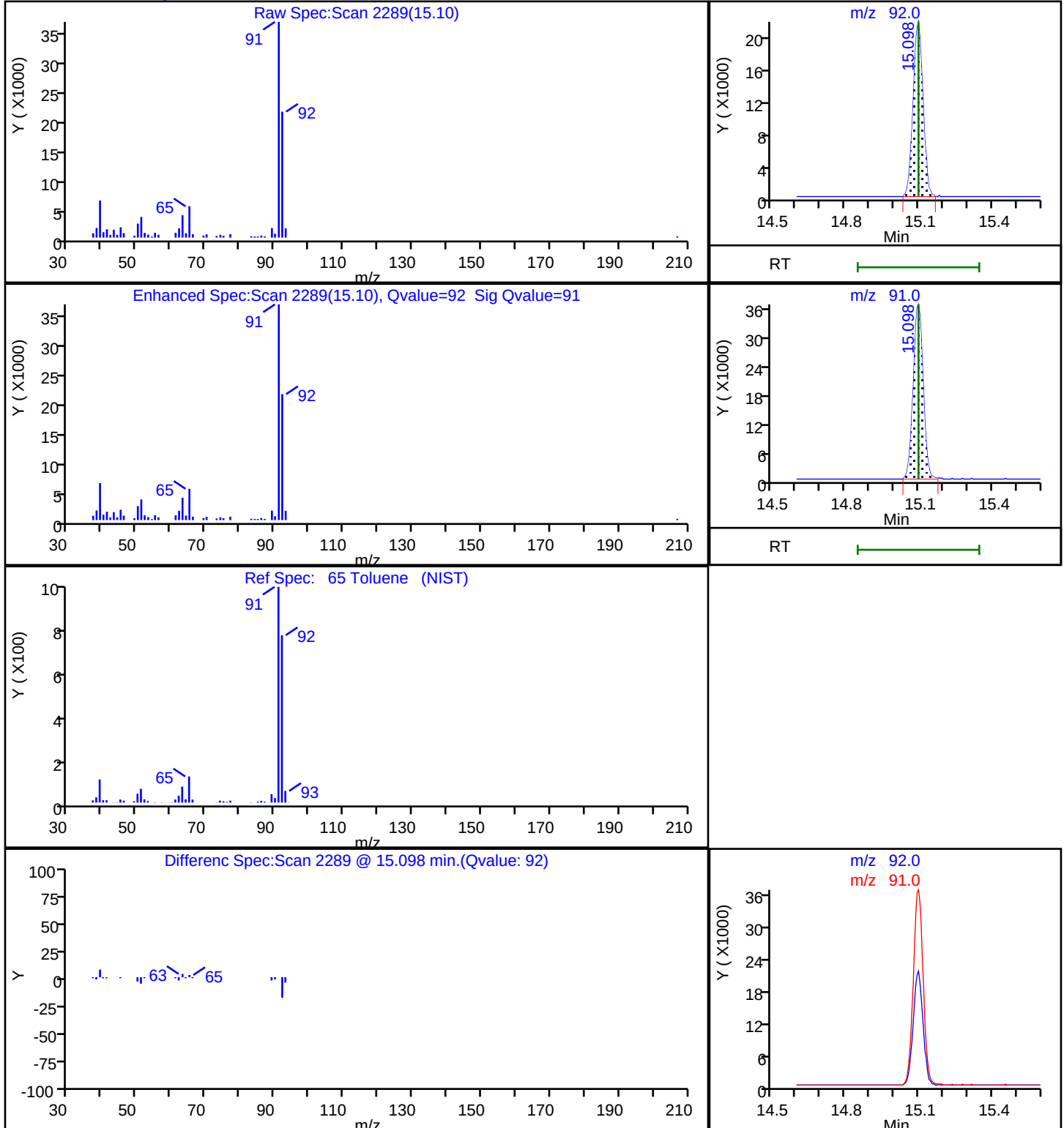
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

65 Toluene, CAS: 108-88-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D

Injection Date: 21-Feb-2020 05:27:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 200.000 mL

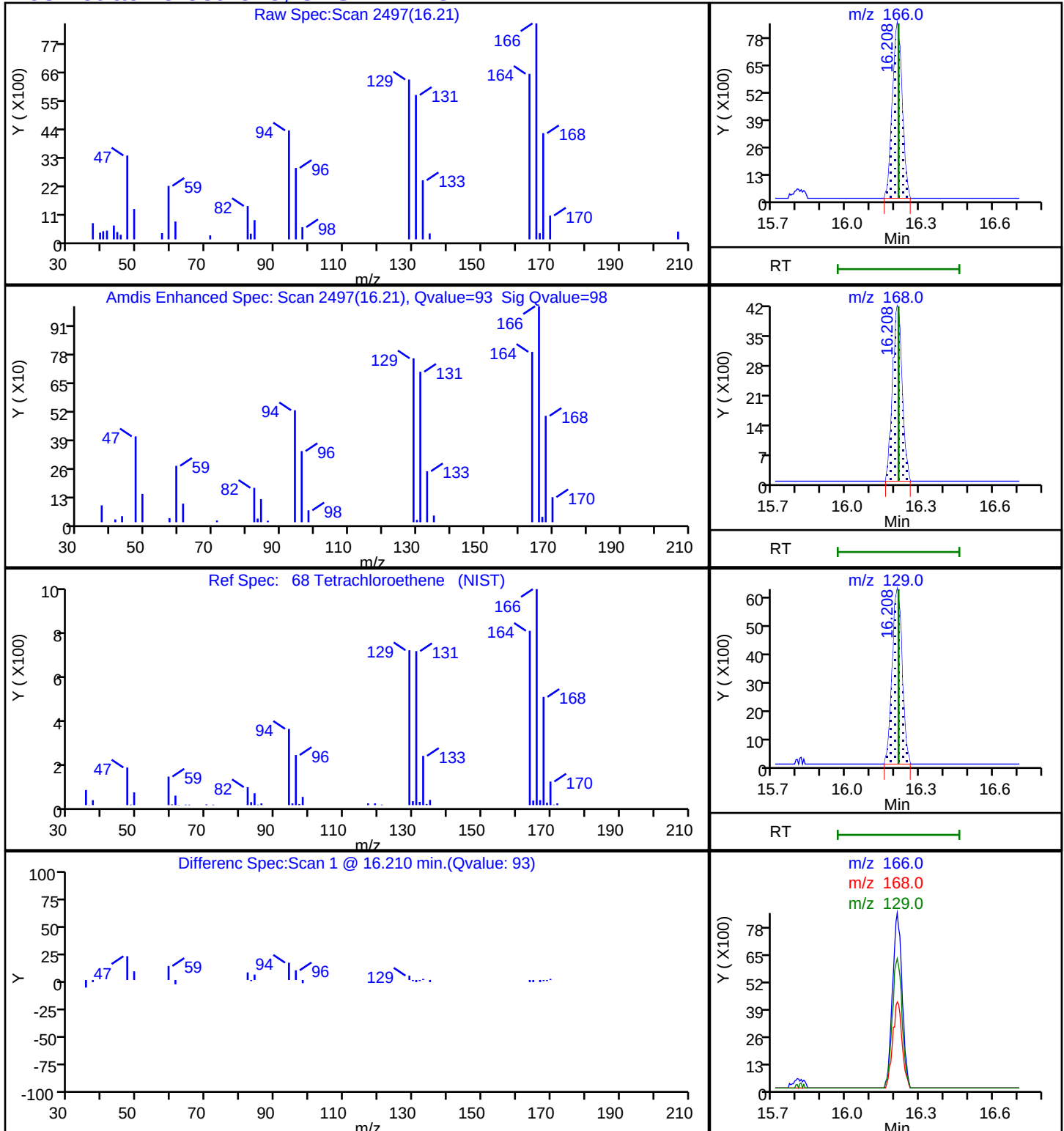
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

68 Tetrachloroethene, CAS: 127-18-4

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D

Injection Date: 21-Feb-2020 05:27:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

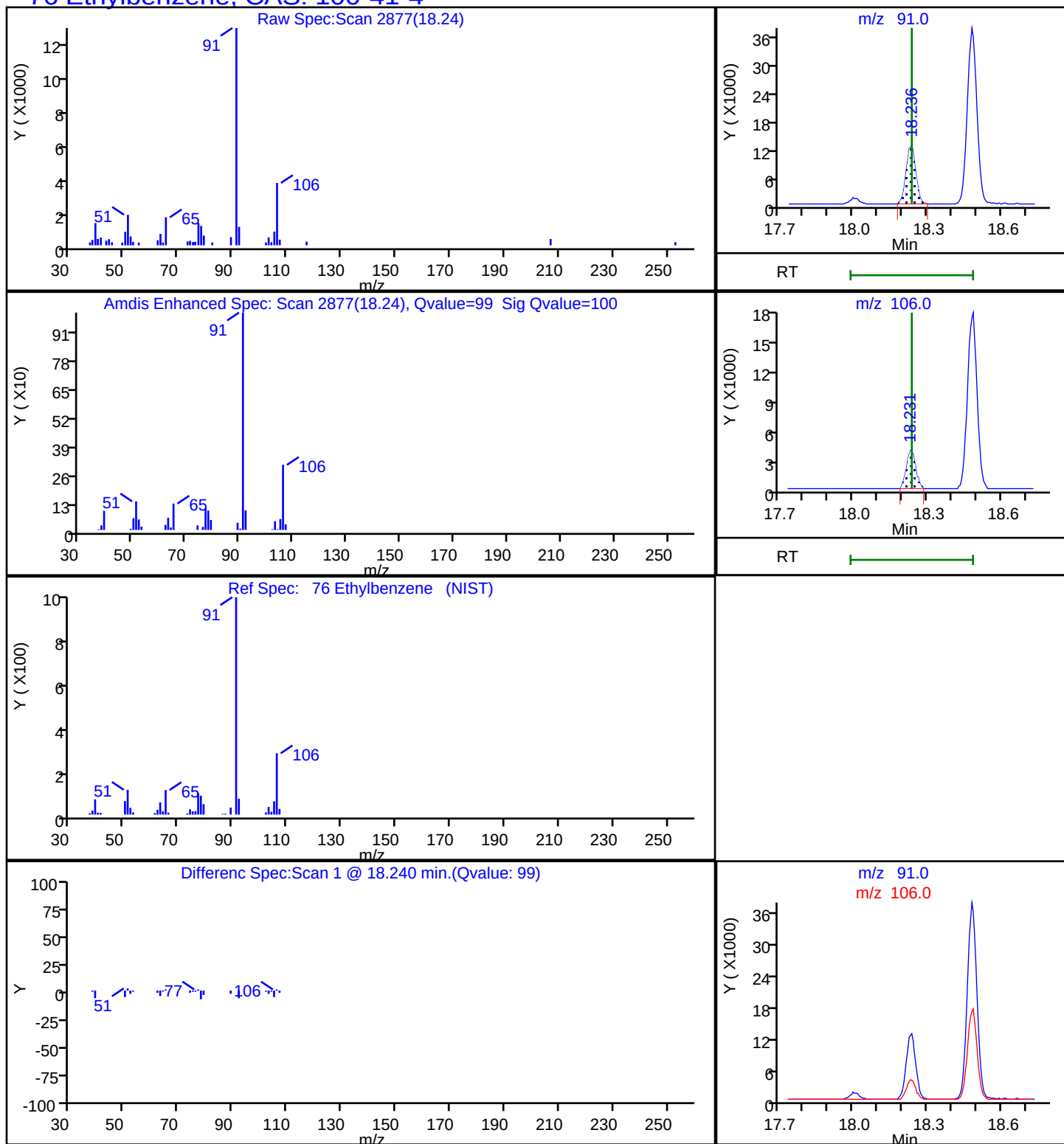
Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 Ethylbenzene, CAS: 100-41-4



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D

Injection Date: 21-Feb-2020 05:27:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 200.000 mL

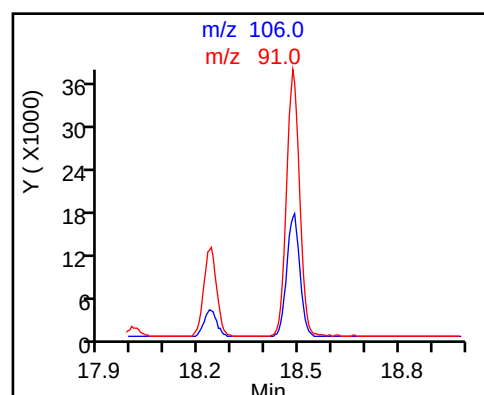
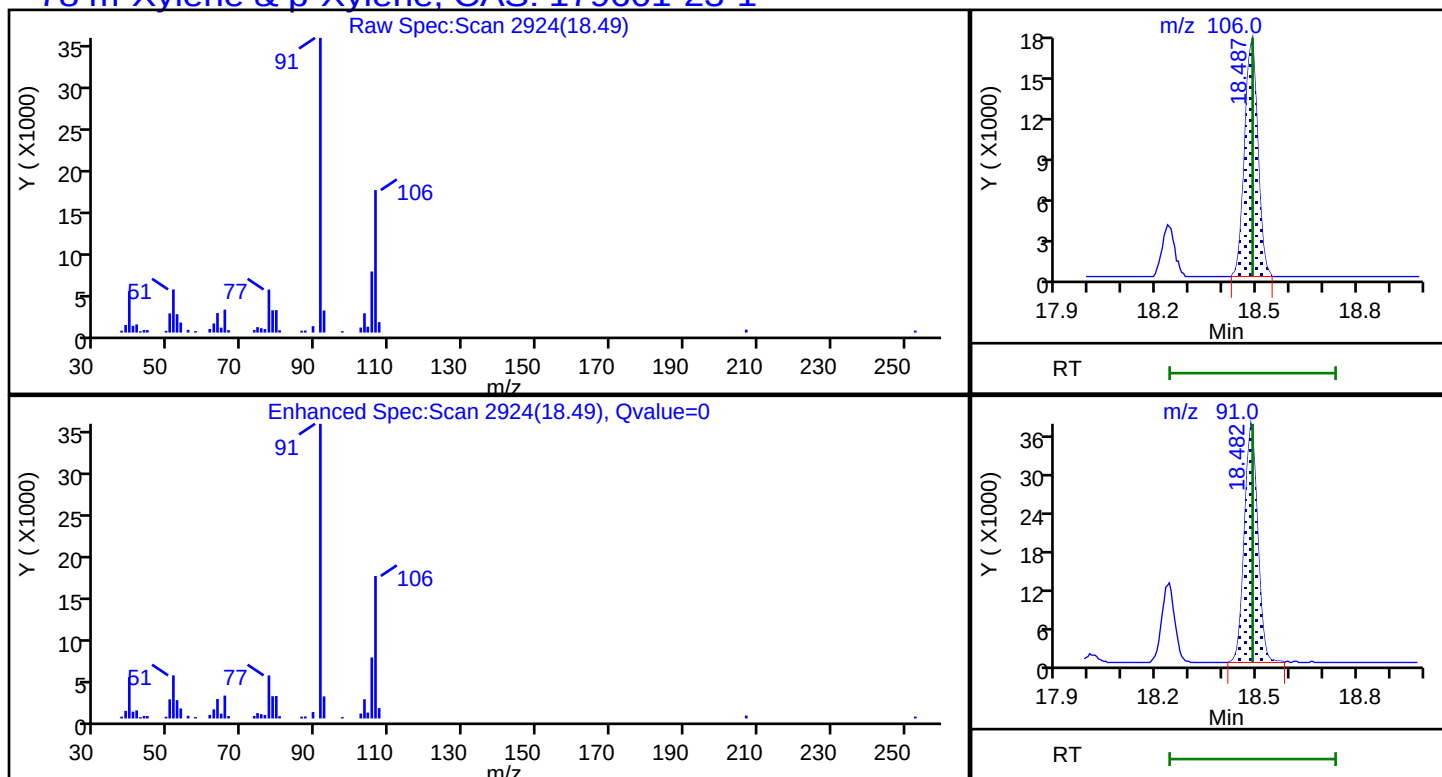
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

78 m-Xylene & p-Xylene, CAS: 179601-23-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D

Injection Date: 21-Feb-2020 05:27:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 200.000 mL

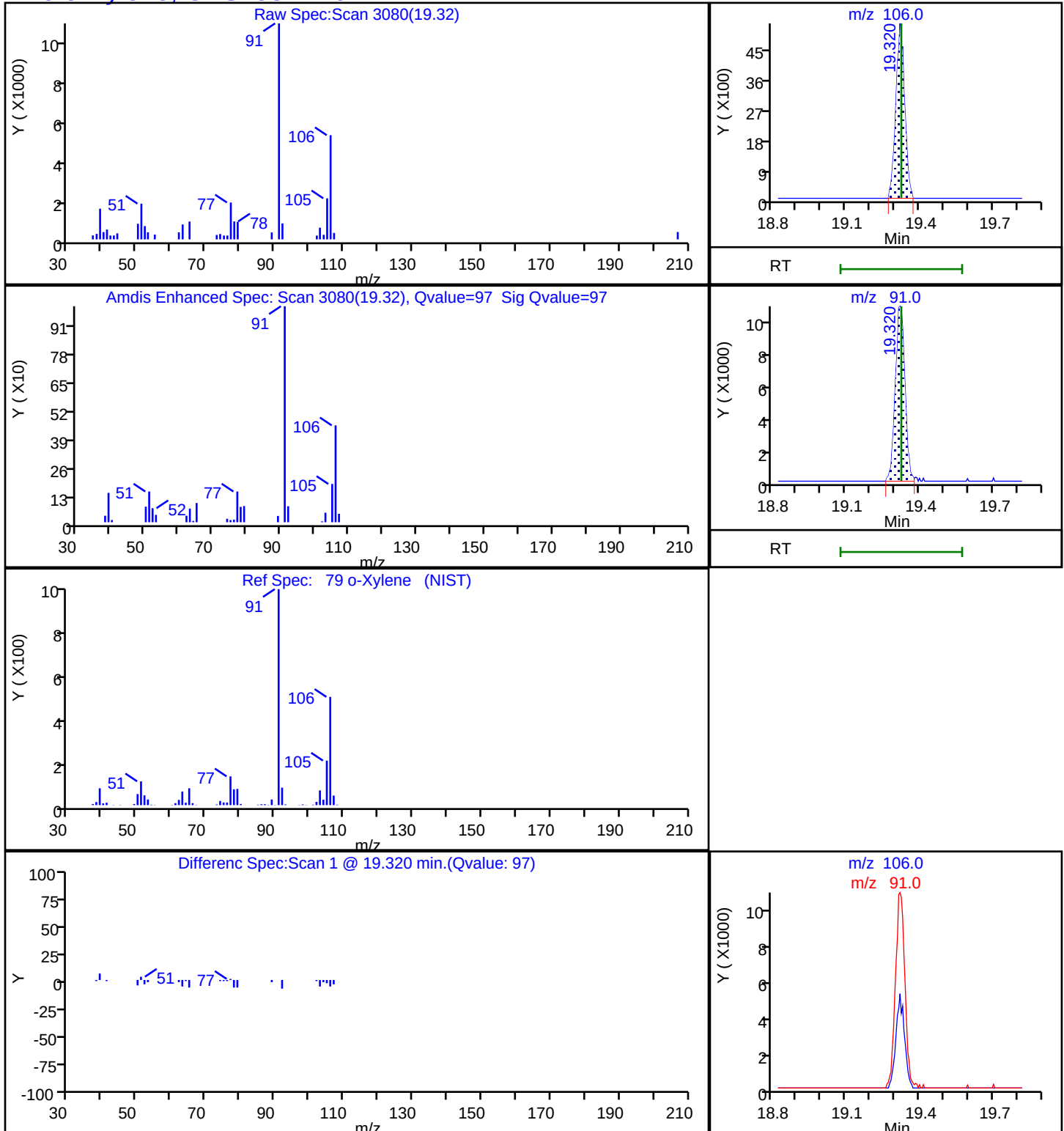
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

79 o-Xylene, CAS: 95-47-6

Data File:	\\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D		
Injection Date:	21-Feb-2020 05:27:30	Instrument ID:	CHC.i
Lims ID:	200-52685-A-6	Lab Sample ID:	200-52685-6
Client ID:	IA-05-021420		
Operator ID:	ggg	ALS Bottle#:	22 W
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICA
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

ALS Bottle#: 22 Worklist Smp#: 22
Dil. Factor: 1.0000
Limit Group: AI_TO15_ICAL
Detector: MS SCAN

Raw Spec: Scan 3535(21.75)

Y (X100) vs m/z. Major peaks labeled: 41, 73, 91, 105, 120, 133, 191, 207, 232, 253.

Amdis Enhanced Spec: Scan 3535(21.75), Qvalue=98 Sig Qvalue=100

Y (X10) vs m/z. Major peaks labeled: 77, 105, 120, 121.

Ref Spec: 93 1,2,4-Trimethylbenzene (NIST)

Y (X100) vs m/z. Major peaks labeled: 77, 105, 120.

Differenc Spec: Scan 1 @ 21.750 min.(Qvalue: 98)

Y vs m/z. Major peaks labeled: 77, 106.

RT (Retention Time) vs **Min** (Minutes). Peaks labeled: 21.2, 21.5, 21.748, 21.8, 22.1.

m/z (Mass-to-Charge Ratio) vs **Y** (Intensity). Peaks labeled: 105.0, 120.0.

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D

Injection Date: 21-Feb-2020 05:27:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 22 Worklist Smp#: 22

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

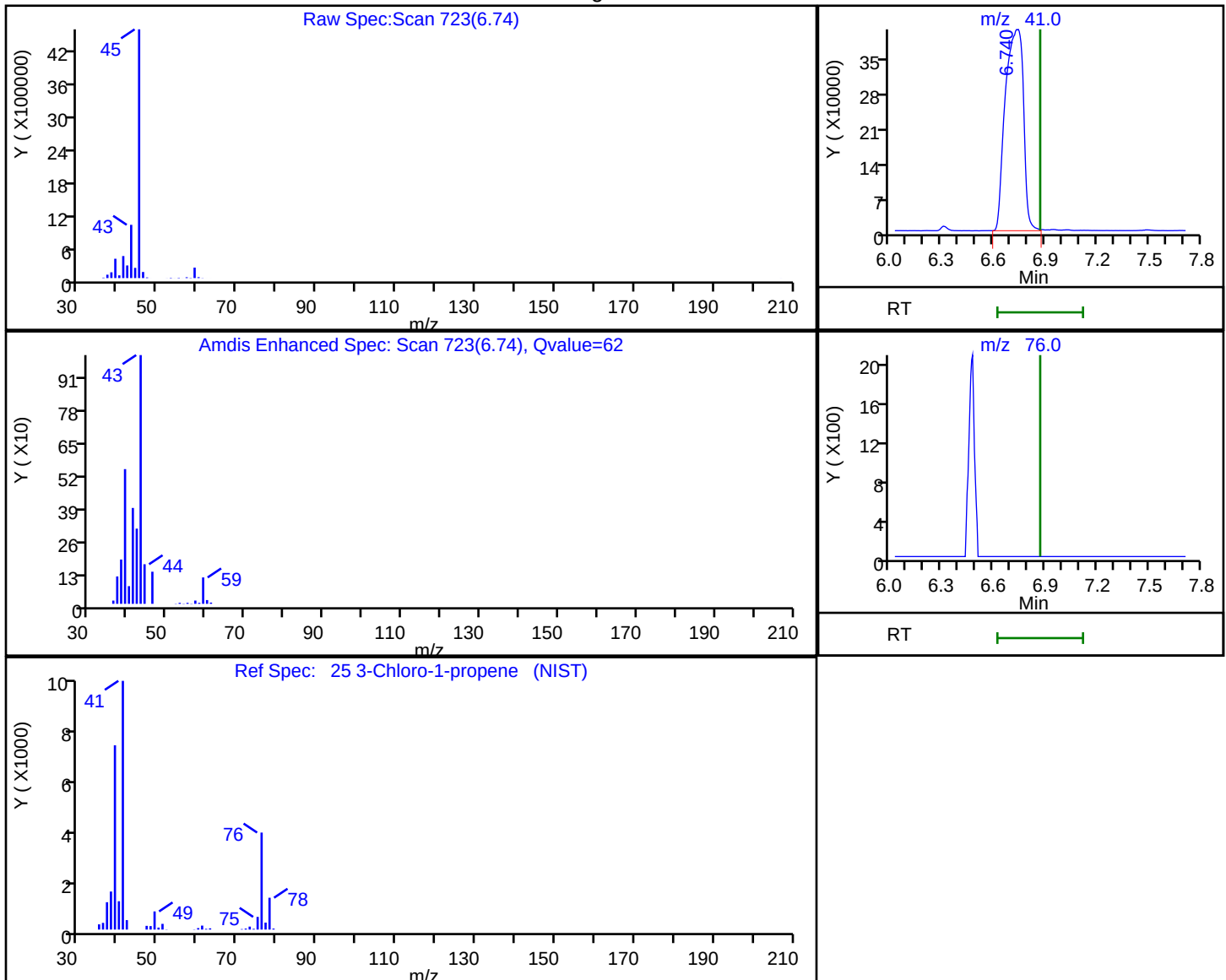
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

25 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
6.74	41.00	2973362	93.756452
6.87	76.00	0	

Reviewer: bourdeaut, 21-Feb-2020 08:09:44

Audit Action: Marked Compound Undetected

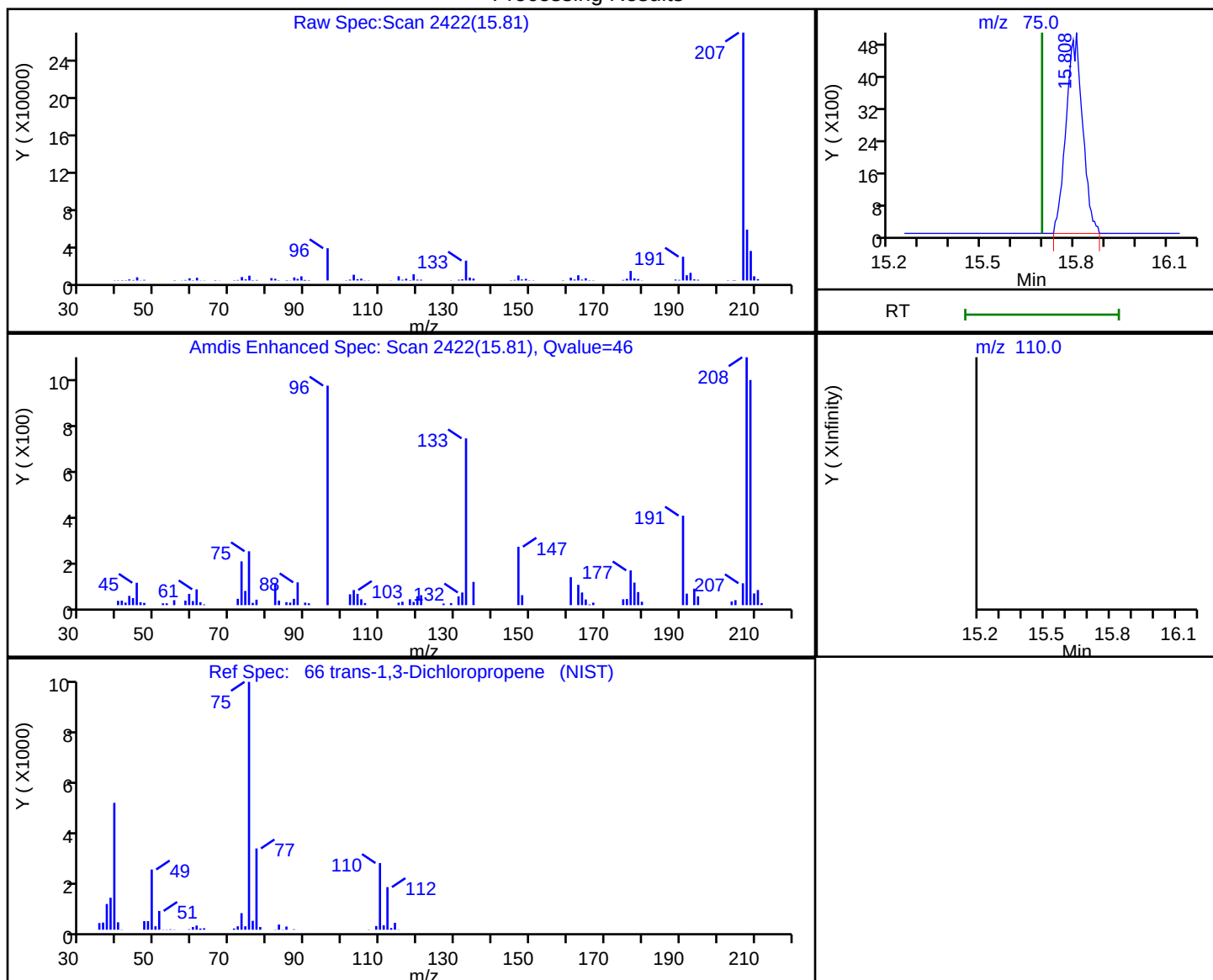
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D
Injection Date: 21-Feb-2020 05:27:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-6 Lab Sample ID: 200-52685-6
Client ID: IA-05-021420
Operator ID: ggg ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

66 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
15.81	75.00	18776	0.432467
15.70	110.00	0	

Reviewer: bourdeaut, 21-Feb-2020 08:10:51

Audit Action: Marked Compound Undetected

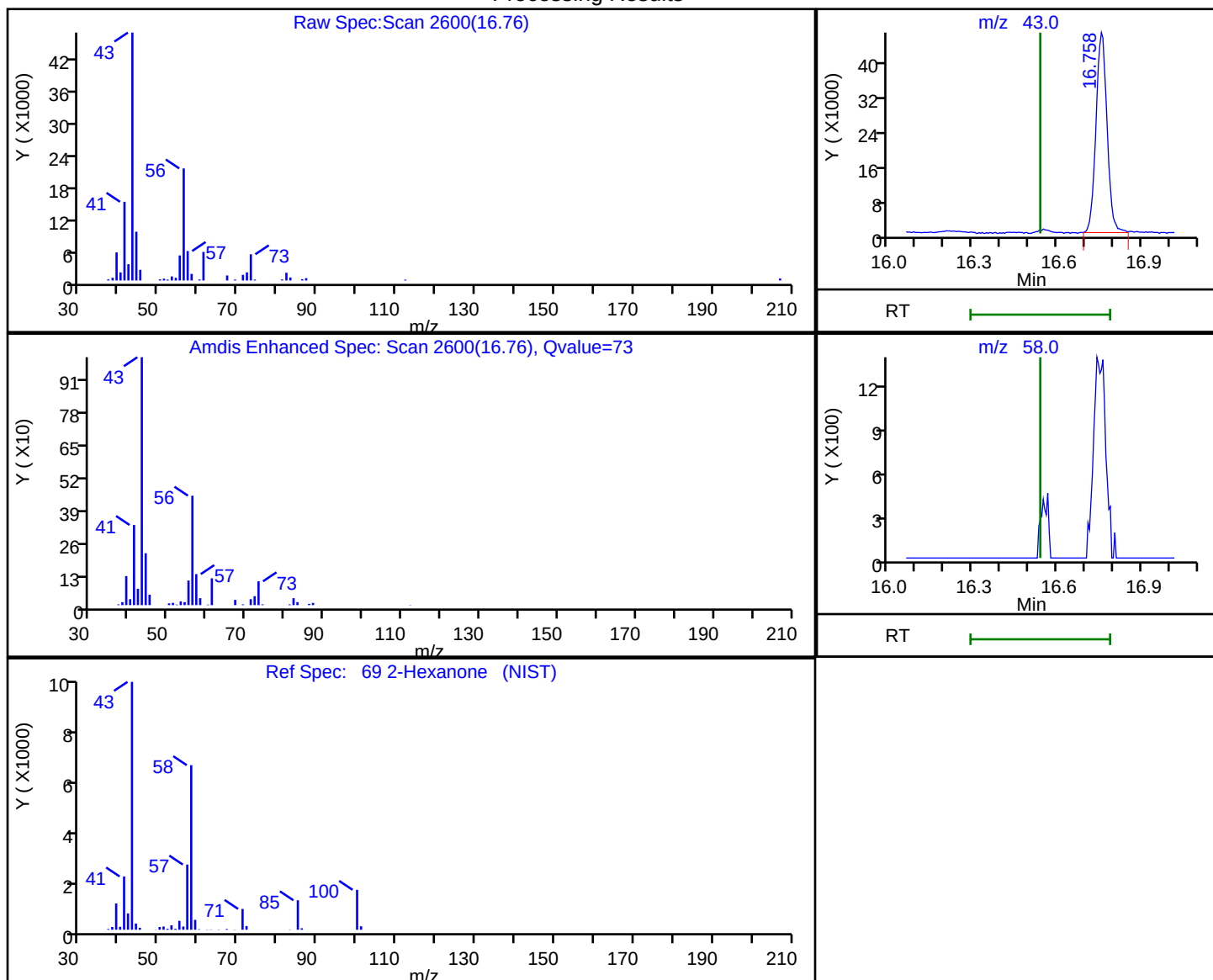
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D
Injection Date: 21-Feb-2020 05:27:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-6 Lab Sample ID: 200-52685-6
Client ID: IA-05-021420
Operator ID: ggg ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

69 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
16.76	43.00	127006	1.434712
16.54	58.00	0	

Reviewer: bourdeaut, 21-Feb-2020 08:10:56

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D

Injection Date: 21-Feb-2020 05:27:30

Instrument ID: CHC.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 22 Worklist Smp#: 22

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

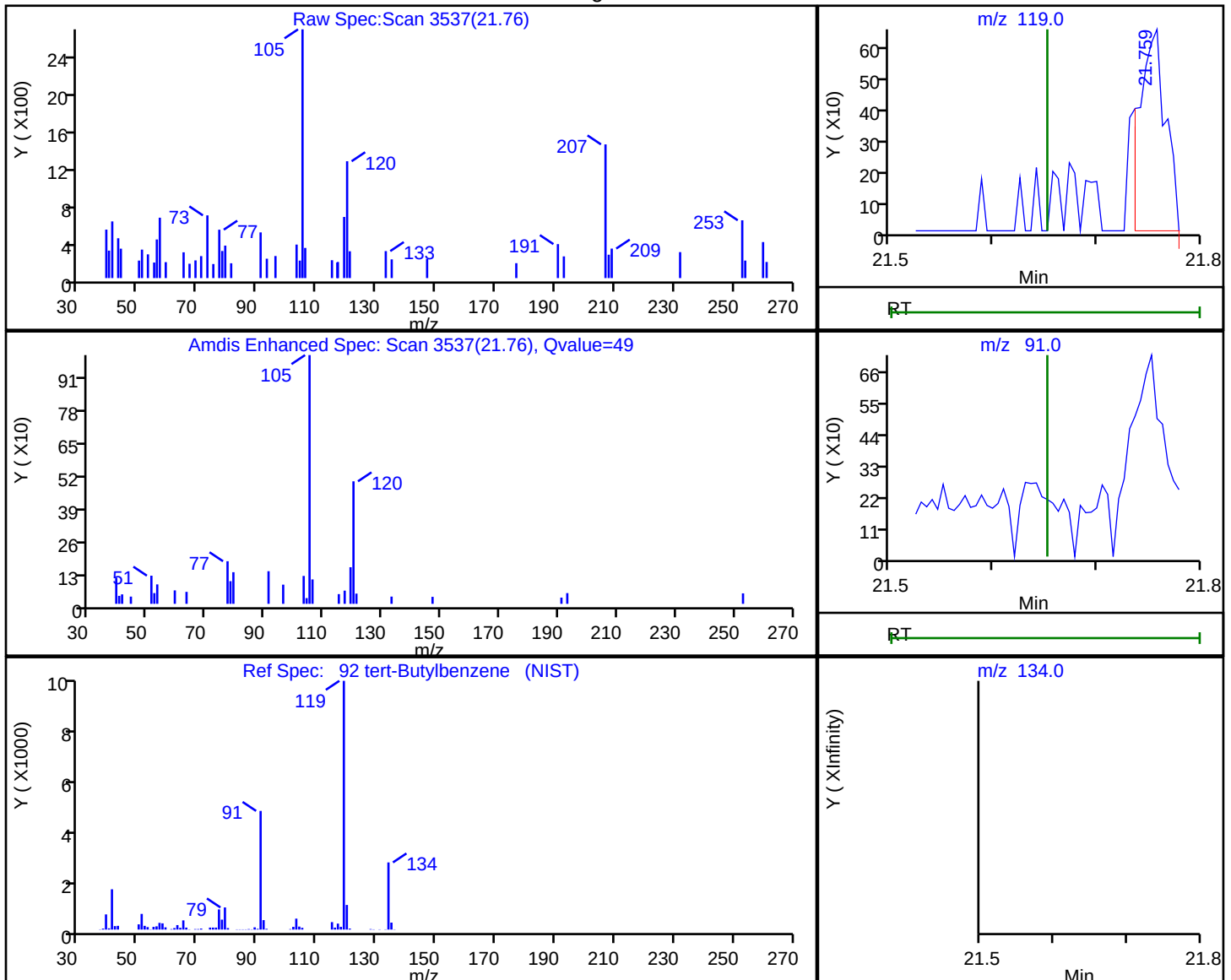
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

92 tert-Butylbenzene, CAS: 98-06-6

Processing Results



RT	Mass	Response	Amount
21.76	119.00	1140	0.012613
21.75	91.00	1952	
21.65	134.00	0	

Reviewer: bourdeaut, 21-Feb-2020 08:11:15

Audit Action: Marked Compound Undetected

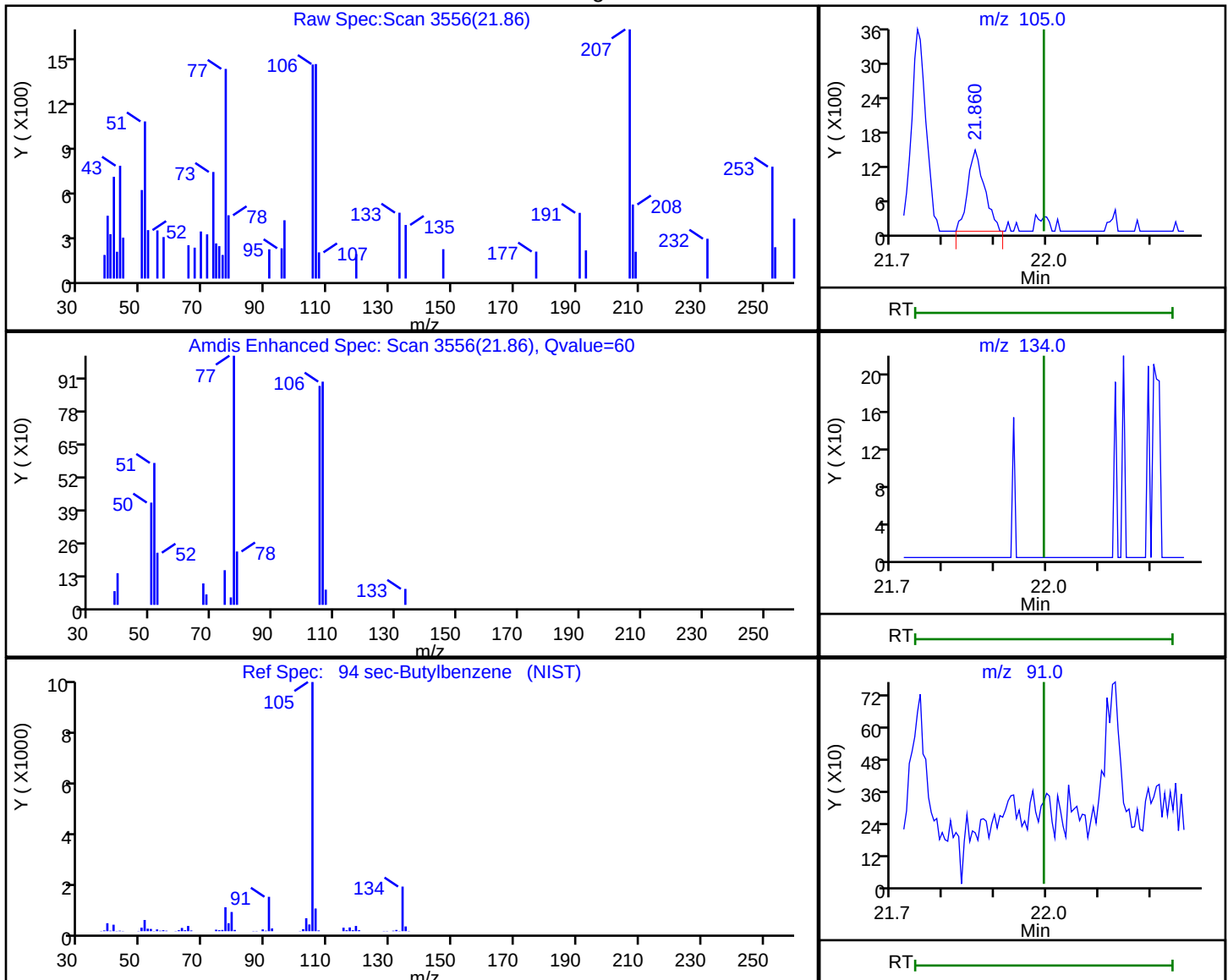
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D
Injection Date: 21-Feb-2020 05:27:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-6 Lab Sample ID: 200-52685-6
Client ID: IA-05-021420
Operator ID: ggg ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

94 sec-Butylbenzene, CAS: 135-98-8

Processing Results



RT	Mass	Response	Amount
21.86	105.00	3179	0.022245
21.99	134.00	0	
21.99	91.00	0	

Reviewer: bourdeaut, 21-Feb-2020 08:11:19

Audit Action: Marked Compound Undetected

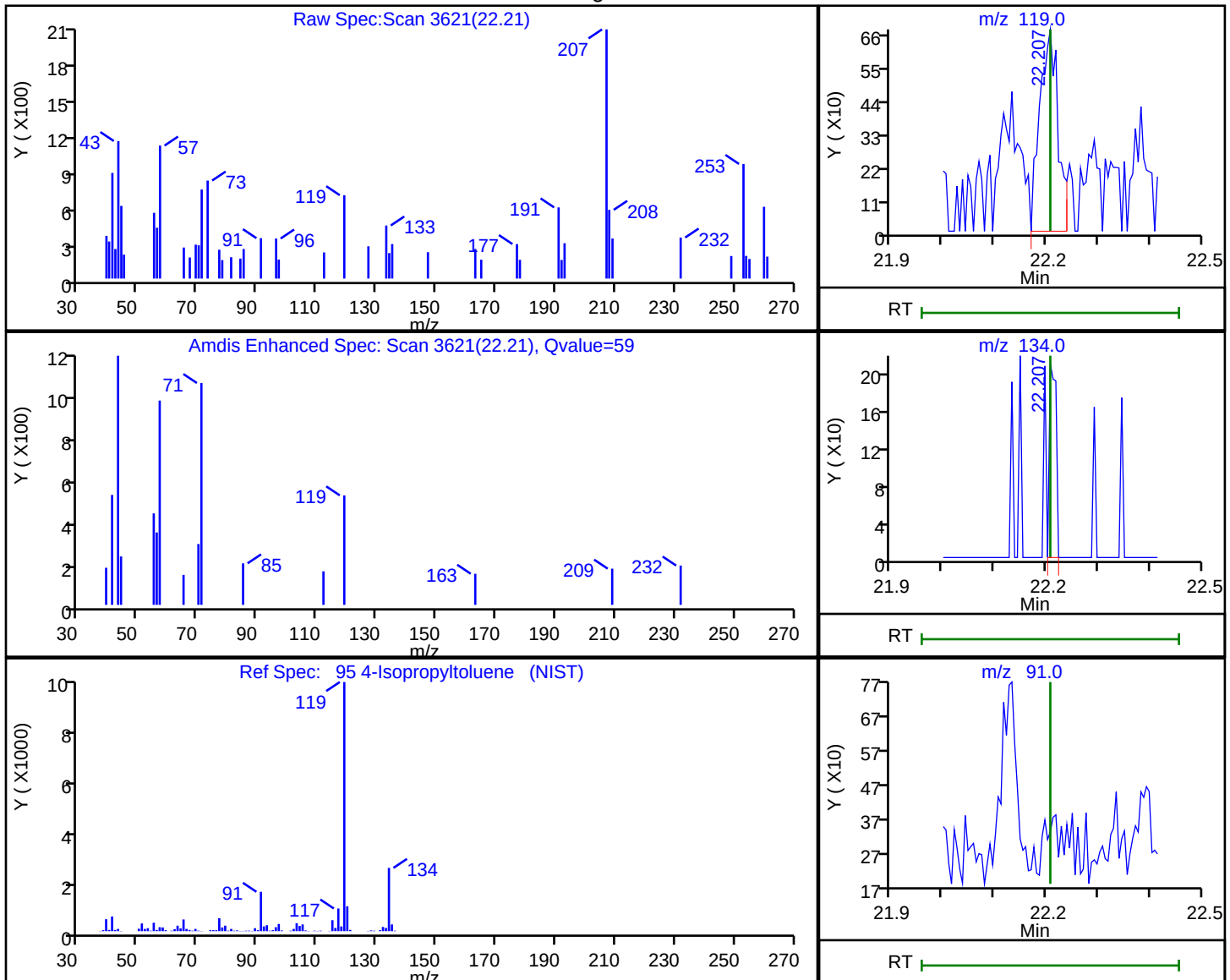
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D
Injection Date: 21-Feb-2020 05:27:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-6 Lab Sample ID: 200-52685-6
Client ID: IA-05-021420
Operator ID: ggg ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

95 4-Isopropyltoluene, CAS: 99-87-6

Processing Results



RT	Mass	Response	Amount
22.21	119.00	1667	0.014063
22.21	134.00	188	
22.21	91.00	0	

Reviewer: bourdeaut, 21-Feb-2020 08:11:21

Audit Action: Marked Compound Undetected

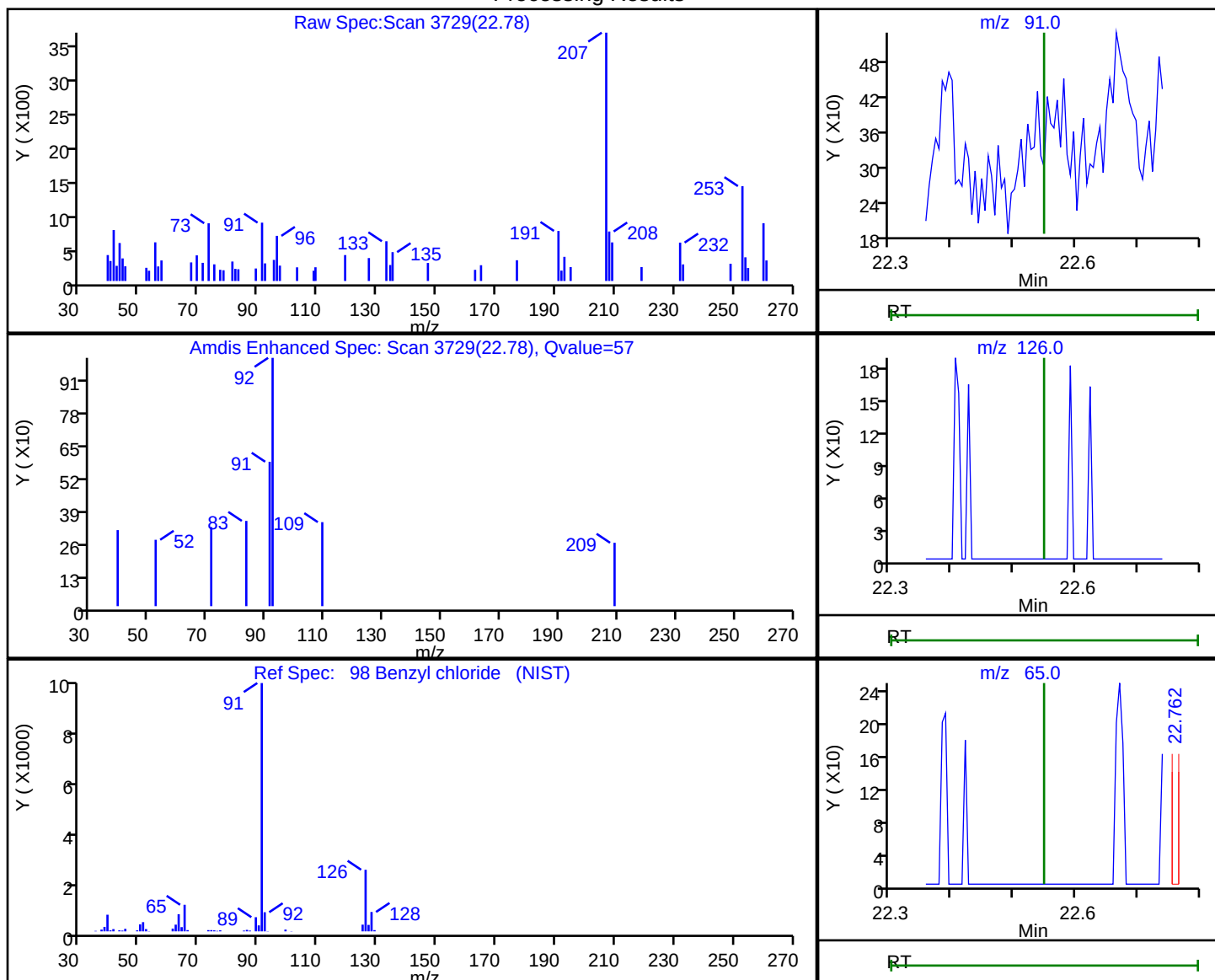
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-22.D
Injection Date: 21-Feb-2020 05:27:30 Instrument ID: CHC.i
Lims ID: 200-52685-A-6 Lab Sample ID: 200-52685-6
Client ID: IA-05-021420
Operator ID: ggg ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

98 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
22.78	91.00	1187	0.011996
22.55	126.00	0	
22.76	65.00	54	

Reviewer: bourdeaut, 21-Feb-2020 08:11:24

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: IA-05-021420 DL Lab Sample ID: 200-52685-6 DL

Matrix: Air Lab File ID: 40114-12.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:10

Sample wt/vol: 31 (mL) Date Analyzed: 02/21/2020 16:29

Soil Aliquot Vol: _____ Dilution Factor: 371

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

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	ND		190	41
75-45-6	Freon 22	86.47	ND		190	45
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		74	13
74-87-3	Chloromethane	50.49	ND		190	41
106-97-8	n-Butane	58.12	45	J	190	41
75-01-4	Vinyl chloride	62.50	ND		22	16
106-99-0	1,3-Butadiene	54.09	ND		74	21
74-83-9	Bromomethane	94.94	ND		74	19
75-00-3	Chloroethane	64.52	ND		190	20
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		74	19
75-69-4	Trichlorofluoromethane	137.37	ND		74	22
76-13-1	Freon TF	187.38	ND		74	14
75-35-4	1,1-Dichloroethene	96.94	ND		74	14
67-64-1	Acetone	58.08	ND		1900	450
67-63-0	Isopropyl alcohol	60.10	2200		1900	180
75-15-0	Carbon disulfide	76.14	ND		190	27
107-05-1	3-Chloropropene	76.53	ND		190	24
75-09-2	Methylene Chloride	84.93	ND		190	100
75-65-0	tert-Butyl alcohol	74.12	ND		1900	14
1634-04-4	Methyl tert-butyl ether	88.15	ND		74	12
156-60-5	trans-1,2-Dichloroethene	96.94	ND		74	16
110-54-3	n-Hexane	86.17	ND		74	74
75-34-3	1,1-Dichloroethane	98.96	ND		74	15
78-93-3	Methyl Ethyl Ketone	72.11	ND		190	27
156-59-2	cis-1,2-Dichloroethene	96.94	ND		74	17
540-59-0	1,2-Dichloroethene, Total	96.94	ND		150	16
67-66-3	Chloroform	119.38	ND		74	12
109-99-9	Tetrahydrofuran	72.11	ND		1900	24
71-55-6	1,1,1-Trichloroethane	133.41	ND		74	13
110-82-7	Cyclohexane	84.16	ND		74	17
56-23-5	Carbon tetrachloride	153.81	ND		22	8.9
540-84-1	2,2,4-Trimethylpentane	114.23	ND		74	15
71-43-2	Benzene	78.11	ND		74	25
107-06-2	1,2-Dichloroethane	98.96	ND		74	12

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: IA-05-021420 DL Lab Sample ID: 200-52685-6 DL

Matrix: Air Lab File ID: 40114-12.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:10

Sample wt/vol: 31 (mL) Date Analyzed: 02/21/2020 16:29

Soil Aliquot Vol: _____ Dilution Factor: 371

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

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	<i>n</i> -Heptane	100.21	ND		74	21
79-01-6	Trichloroethene	131.39	ND		22	13
80-62-6	Methyl methacrylate	100.12	ND		190	12
78-87-5	1,2-Dichloropropane	112.99	ND		74	12
123-91-1	1,4-Dioxane	88.11	ND		1900	31
75-27-4	Bromodichloromethane	163.83	ND		74	13
10061-01-5	<i>cis</i> -1,3-Dichloropropene	110.97	ND		74	12
108-10-1	methyl isobutyl ketone	100.16	ND		190	13
108-88-3	Toluene	92.14	ND		74	41
10061-02-6	<i>trans</i> -1,3-Dichloropropene	110.97	ND		74	14
79-00-5	1,1,2-Trichloroethane	133.41	ND		74	13
127-18-4	Tetrachloroethene	165.83	ND		74	12
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		190	18
124-48-1	Dibromochloromethane	208.29	ND		74	13
106-93-4	1,2-Dibromoethane	187.87	ND		74	18
108-90-7	Chlorobenzene	112.56	ND		74	21
100-41-4	Ethylbenzene	106.17	ND		74	23
179601-23-1	<i>m,p</i> -Xylene	106.17	ND		190	37
95-47-6	Xylene, <i>o</i> -	106.17	ND		74	18
1330-20-7	Xylene (total)	106.17	ND		260	18
100-42-5	Styrene	104.15	ND		74	15
75-25-2	Bromoform	252.75	ND		74	18
98-82-8	Cumene	120.19	ND		74	13
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		74	16
103-65-1	<i>n</i> -Propylbenzene	120.19	ND		74	14
622-96-8	4-Ethyltoluene	120.20	ND		74	15
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		74	14
95-49-8	2-Chlorotoluene	126.59	ND		74	16
98-06-6	<i>tert</i> -Butylbenzene	134.22	ND		74	13
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		74	16
135-98-8	<i>sec</i> -Butylbenzene	134.22	ND		74	13
99-87-6	4-Isopropyltoluene	134.22	ND		74	14
541-73-1	1,3-Dichlorobenzene	147.00	ND		74	41
106-46-7	1,4-Dichlorobenzene	147.00	ND		74	45

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: IA-05-021420 DL Lab Sample ID: 200-52685-6 DL
 Matrix: Air Lab File ID: 40114-12.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:10
 Sample wt/vol: 31 (mL) Date Analyzed: 02/21/2020 16:29
 Soil Aliquot Vol: _____ Dilution Factor: 371
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		74	32
104-51-8	n-Butylbenzene	134.22	ND		74	14
95-50-1	1,2-Dichlorobenzene	147.00	ND		74	36
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		190	82
87-68-3	Hexachlorobutadiene	260.76	ND		74	28
91-20-3	Naphthalene	128.17	ND		190	63

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: IA-05-021420 DL Lab Sample ID: 200-52685-6 DL

Matrix: Air Lab File ID: 40114-12.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:10

Sample wt/vol: 31 (mL) Date Analyzed: 02/21/2020 16:29

Soil Aliquot Vol: _____ Dilution Factor: 371

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

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	ND		920	200
75-45-6	Freon 22	86.47	ND		660	160
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		520	91
74-87-3	Chloromethane	50.49	ND		380	84
106-97-8	n-Butane	58.12	110	J	440	97
75-01-4	Vinyl chloride	62.50	ND		57	42
106-99-0	1,3-Butadiene	54.09	ND		160	47
74-83-9	Bromomethane	94.94	ND		290	73
75-00-3	Chloroethane	64.52	ND		490	53
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		320	84
75-69-4	Trichlorofluoromethane	137.37	ND		420	130
76-13-1	Freon TF	187.38	ND		570	110
75-35-4	1,1-Dichloroethene	96.94	ND		290	57
67-64-1	Acetone	58.08	ND		4400	1100
67-63-0	Isopropyl alcohol	60.10	5300		4600	440
75-15-0	Carbon disulfide	76.14	ND		580	85
107-05-1	3-Chloropropene	76.53	ND		580	74
75-09-2	Methylene Chloride	84.93	ND		640	350
75-65-0	tert-Butyl alcohol	74.12	ND		5600	43
1634-04-4	Methyl tert-butyl ether	88.15	ND		270	44
156-60-5	trans-1,2-Dichloroethene	96.94	ND		290	62
110-54-3	n-Hexane	86.17	ND		260	260
75-34-3	1,1-Dichloroethane	98.96	ND		300	62
78-93-3	Methyl Ethyl Ketone	72.11	ND		550	79
156-59-2	cis-1,2-Dichloroethene	96.94	ND		290	66
540-59-0	1,2-Dichloroethene, Total	96.94	ND		590	62
67-66-3	Chloroform	119.38	ND		360	58
109-99-9	Tetrahydrofuran	72.11	ND		5500	72
71-55-6	1,1,1-Trichloroethane	133.41	ND		400	73
110-82-7	Cyclohexane	84.16	ND		260	59
56-23-5	Carbon tetrachloride	153.81	ND		140	56
540-84-1	2,2,4-Trimethylpentane	114.23	ND		350	71
71-43-2	Benzene	78.11	ND		240	79
107-06-2	1,2-Dichloroethane	98.96	ND		300	48

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: IA-05-021420 DL Lab Sample ID: 200-52685-6 DL

Matrix: Air Lab File ID: 40114-12.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:10

Sample wt/vol: 31 (mL) Date Analyzed: 02/21/2020 16:29

Soil Aliquot Vol: _____ Dilution Factor: 371

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

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	<i>n</i> -Heptane	100.21	ND		300	85
79-01-6	Trichloroethene	131.39	ND		120	70
80-62-6	Methyl methacrylate	100.12	ND		760	50
78-87-5	1,2-Dichloropropane	112.99	ND		340	57
123-91-1	1,4-Dioxane	88.11	ND		6700	110
75-27-4	Bromodichloromethane	163.83	ND		500	87
10061-01-5	<i>cis</i> -1,3-Dichloropropene	110.97	ND		340	54
108-10-1	methyl isobutyl ketone	100.16	ND		760	55
108-88-3	Toluene	92.14	ND		280	150
10061-02-6	<i>trans</i> -1,3-Dichloropropene	110.97	ND		340	66
79-00-5	1,1,2-Trichloroethane	133.41	ND		400	73
127-18-4	Tetrachloroethene	165.83	ND		500	83
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		760	73
124-48-1	Dibromochloromethane	208.29	ND		630	110
106-93-4	1,2-Dibromoethane	187.87	ND		570	140
108-90-7	Chlorobenzene	112.56	ND		340	96
100-41-4	Ethylbenzene	106.17	ND		320	100
179601-23-1	<i>m,p</i> -Xylene	106.17	ND		810	160
95-47-6	Xylene, <i>o</i> -	106.17	ND		320	77
1330-20-7	Xylene (total)	106.17	ND		1100	77
100-42-5	Styrene	104.15	ND		320	63
75-25-2	Bromoform	252.75	ND		770	180
98-82-8	Cumene	120.19	ND		360	64
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		510	110
103-65-1	<i>n</i> -Propylbenzene	120.19	ND		360	71
622-96-8	4-Ethyltoluene	120.20	ND		360	75
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		360	71
95-49-8	2-Chlorotoluene	126.59	ND		380	81
98-06-6	<i>tert</i> -Butylbenzene	134.22	ND		410	71
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		360	80
135-98-8	<i>sec</i> -Butylbenzene	134.22	ND		410	71
99-87-6	4-Isopropyltoluene	134.22	ND		410	79
541-73-1	1,3-Dichlorobenzene	147.00	ND		450	250
106-46-7	1,4-Dichlorobenzene	147.00	ND		450	270

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: IA-05-021420 DL Lab Sample ID: 200-52685-6 DL
 Matrix: Air Lab File ID: 40114-12.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:10
 Sample wt/vol: 31 (mL) Date Analyzed: 02/21/2020 16:29
 Soil Aliquot Vol: _____ Dilution Factor: 371
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		380	160
104-51-8	n-Butylbenzene	134.22	ND		410	79
95-50-1	1,2-Dichlorobenzene	147.00	ND		450	220
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		1400	610
87-68-3	Hexachlorobutadiene	260.76	ND		790	300
91-20-3	Naphthalene	128.17	ND		970	330

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-12.D
 Lims ID: 200-52685-A-6
 Client ID: IA-05-021420
 Sample Type: Client
 Inject. Date: 21-Feb-2020 16:29:30 ALS Bottle#: 12 Worklist Smp#: 12
 Purge Vol: 200.000 mL Dil. Factor: 371.0000
 Sample Info: 200-0040114-012
 Operator ID: ggg Instrument ID: CHX.i
 Method: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 24-Feb-2020 10:49:01 Calib Date: 22-Jan-2020 04:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-16.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0337

First Level Reviewer: puangmaleek

Date: 24-Feb-2020 10:49:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85		4.185				ND	
3 Chlorodifluoromethane	51		4.249				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		4.516				ND	
5 Chloromethane	50		4.704				ND	
6 Butane	43	4.950	4.934	0.016	96	3797	0.1225	
7 Vinyl chloride	62		4.993				ND	
8 Butadiene	54		5.083				ND	
10 Bromomethane	94		5.870				ND	
11 Chloroethane	64		6.121				ND	
13 Vinyl bromide	106		6.539				ND	
14 Trichlorofluoromethane	101		6.630				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		7.689				ND	
21 1,1-Dichloroethene	96		7.753				ND	
22 Acetone	43		7.967				ND	
23 Carbon disulfide	76		8.149				ND	
24 Isopropyl alcohol	45	8.234	8.218	0.016	97	147471	5.86	
25 3-Chloro-1-propene	41		8.491				ND	
27 Methylene Chloride	49		8.775				ND	
28 2-Methyl-2-propanol	59		8.941				ND	
29 Methyl tert-butyl ether	73		9.128				ND	
31 trans-1,2-Dichloroethene	61		9.181				ND	
33 Hexane	57		9.518				ND	
S 30 1,2-Dichloroethene, Total	61		9.665				ND	
34 1,1-Dichloroethane	63		10.000				ND	
37 cis-1,2-Dichloroethene	96		11.032				ND	
38 2-Butanone (MEK)	72		11.064				ND	
* 40 Chlorobromomethane	128	11.466	11.466	0.000	75	198287	10.0	
41 Tetrahydrofuran	42		11.471				ND	
42 Chloroform	83		11.578				ND	
43 Cyclohexane	84		11.808				ND	
44 1,1,1-Trichloroethane	97		11.835				ND	
45 Carbon tetrachloride	117		12.059				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
46 Isooctane	57		12.423				ND	
47 Benzene	78		12.482				ND	
48 1,2-Dichloroethane	62		12.648				ND	
49 n-Heptane	43		12.766				ND	
* 50 1,4-Difluorobenzene	114	13.215	13.220	-0.005	93	905915	10.0	
53 Trichloroethene	95		13.638				ND	
54 1,2-Dichloropropane	63		14.130				ND	
55 Methyl methacrylate	69		14.248				ND	
56 1,4-Dioxane	88		14.317				ND	
58 Dichlorobromomethane	83		14.617				ND	
60 cis-1,3-Dichloropropene	75		15.446				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.692				ND	
65 Toluene	92		15.975				ND	
66 trans-1,3-Dichloropropene	75		16.532				ND	
67 1,1,2-Trichloroethane	83		16.901				ND	
68 Tetrachloroethene	166		16.997				ND	
69 2-Hexanone	43		17.324				ND	
71 Chlorodibromomethane	129		17.650				ND	
72 Ethylene Dibromide	107		17.917				ND	
* 74 Chlorobenzene-d5	117	18.800	18.800	0.000	85	799445	10.0	
75 Chlorobenzene	112		18.859				ND	
76 Ethylbenzene	91		18.998				ND	U
78 m-Xylene & p-Xylene	106		19.244				ND	
S 73 Xylenes, Total	106		19.600				ND	
79 o-Xylene	106		20.084				ND	
80 Styrene	104		20.138				ND	
81 Bromoform	173		20.576				ND	
82 Isopropylbenzene	105		20.769				ND	
84 1,1,2,2-Tetrachloroethane	83		21.438				ND	
85 N-Propylbenzene	91		21.496				ND	
88 4-Ethyltoluene	105		21.684				ND	
89 2-Chlorotoluene	91		21.700				ND	
90 1,3,5-Trimethylbenzene	105		21.791				ND	
92 tert-Butylbenzene	119		22.283				ND	
93 1,2,4-Trimethylbenzene	105		22.379				ND	
94 sec-Butylbenzene	105		22.609				ND	
95 4-Isopropyltoluene	119		22.812				ND	
96 1,3-Dichlorobenzene	146		22.850				ND	
97 1,4-Dichlorobenzene	146		22.984				ND	
98 Benzyl chloride	91		23.182				ND	
100 n-Butylbenzene	91		23.385				ND	
101 1,2-Dichlorobenzene	146		23.513				ND	
103 1,2,4-Trichlorobenzene	180		25.995				ND	
104 Hexachlorobutadiene	225		26.172				ND	
105 Naphthalene	128		26.472				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 24-Feb-2020 10:49:02

Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-12.D

Injection Date: 21-Feb-2020 16:29:30

Instrument ID: CHX.i

Operator ID: ggg

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Worklist Smp#: 12

Client ID: IA-05-021420

Purge Vol: 200.000 mL

Dil. Factor: 371.0000

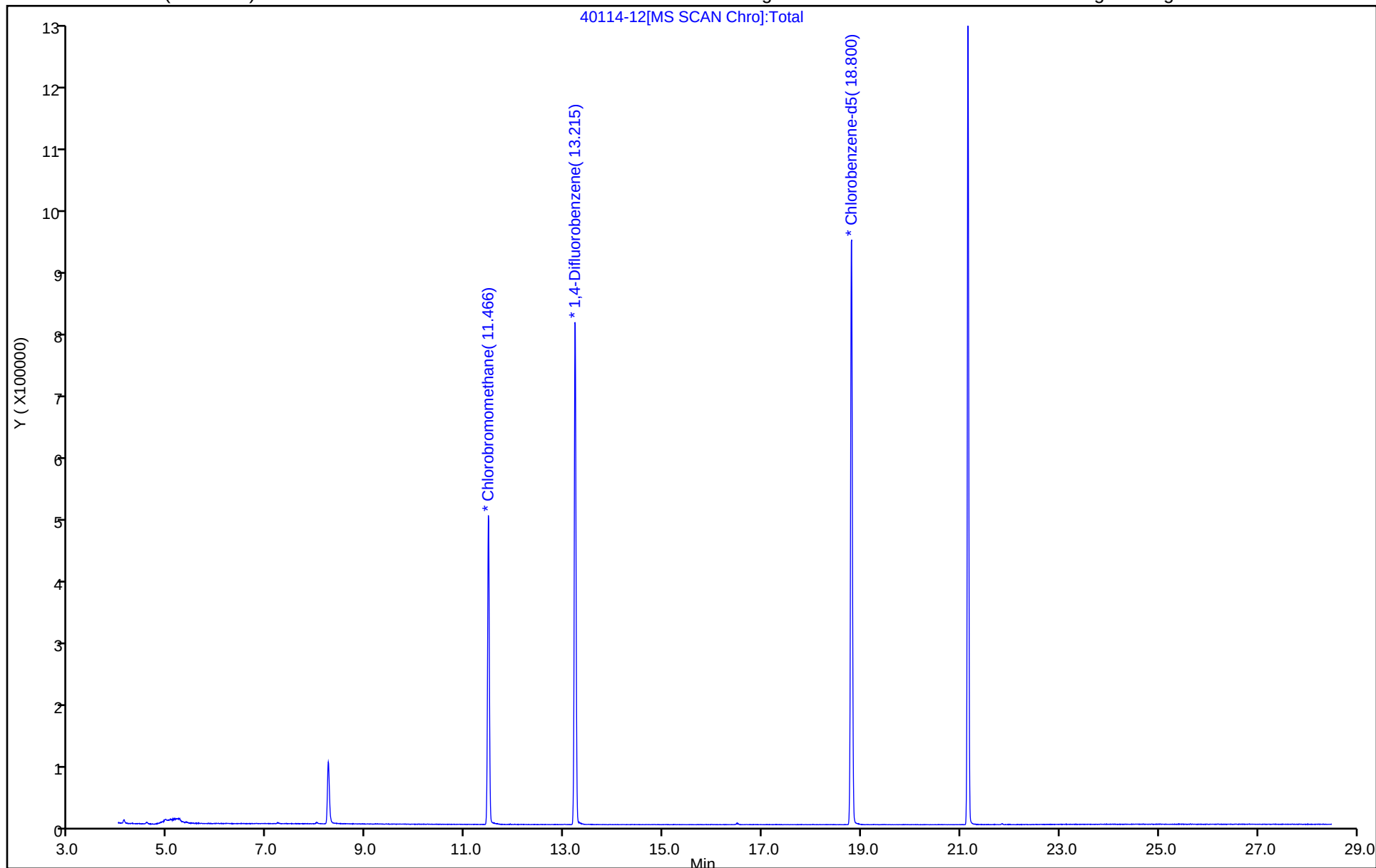
ALS Bottle#: 12

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-12.D

Injection Date: 21-Feb-2020 16:29:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 12

Worklist Smp#: 12

Purge Vol: 200.000 mL

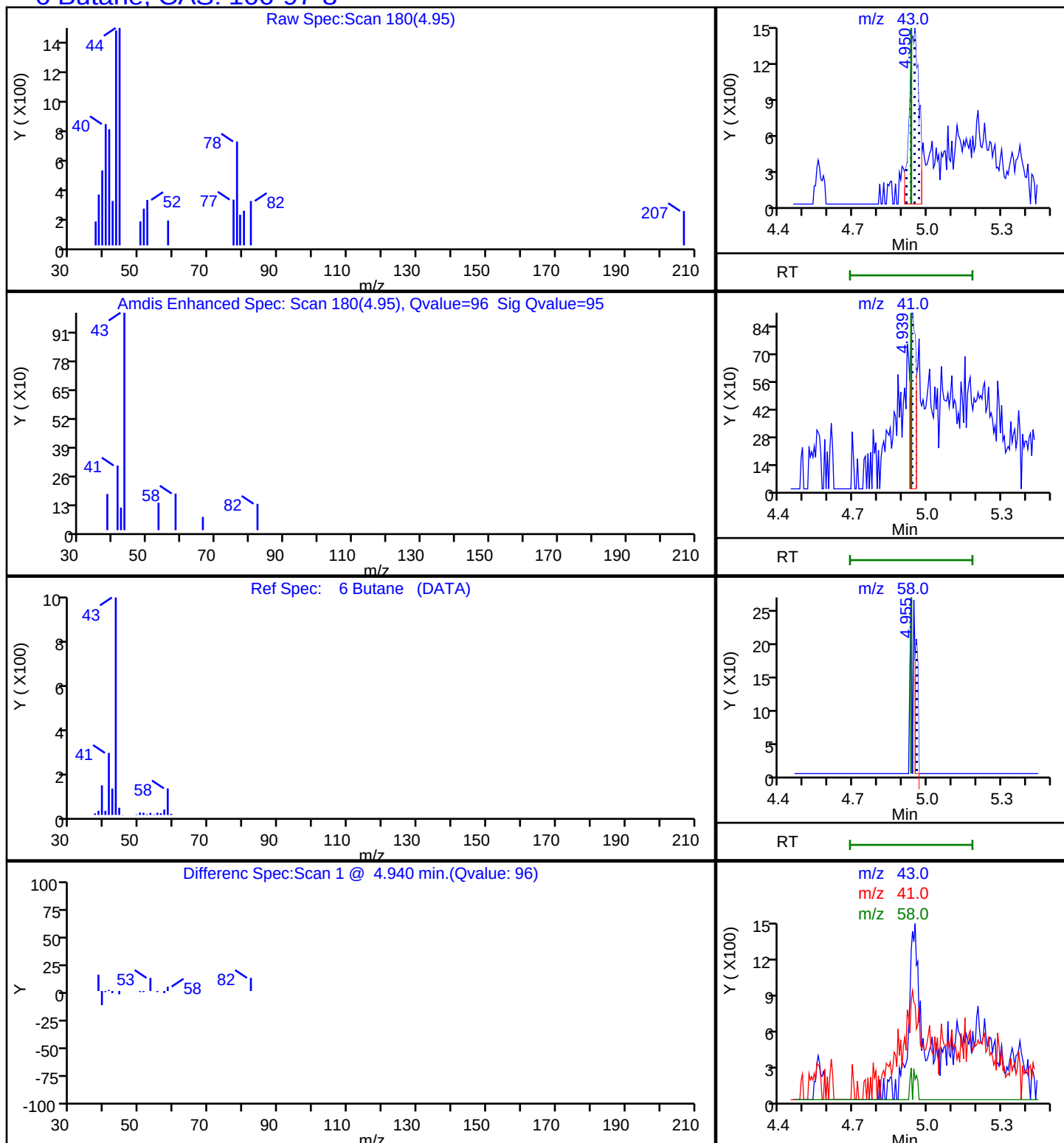
Dil. Factor: 371.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

6 Butane, CAS: 106-97-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-12.D

Injection Date: 21-Feb-2020 16:29:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 12

Worklist Smp#: 12

Purge Vol: 200.000 mL

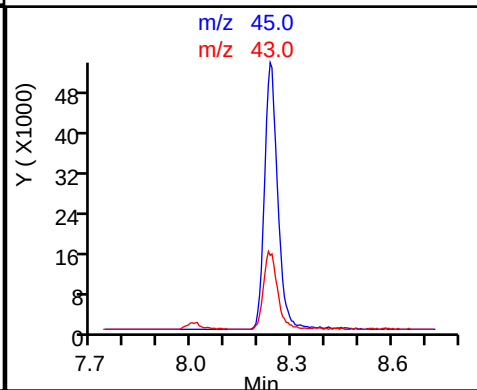
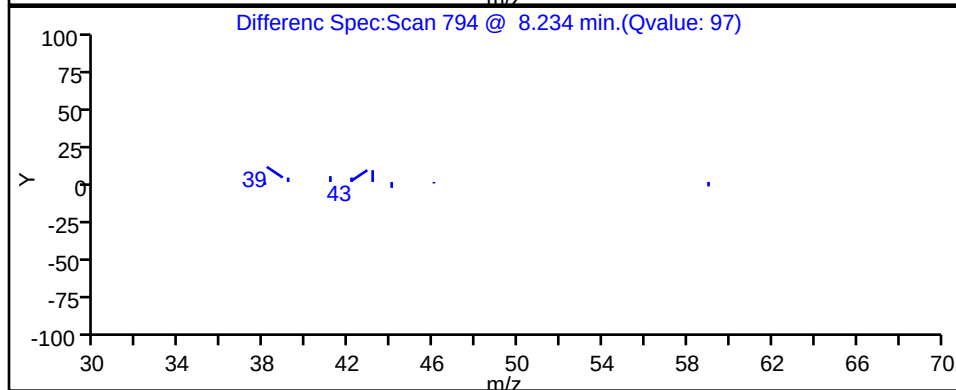
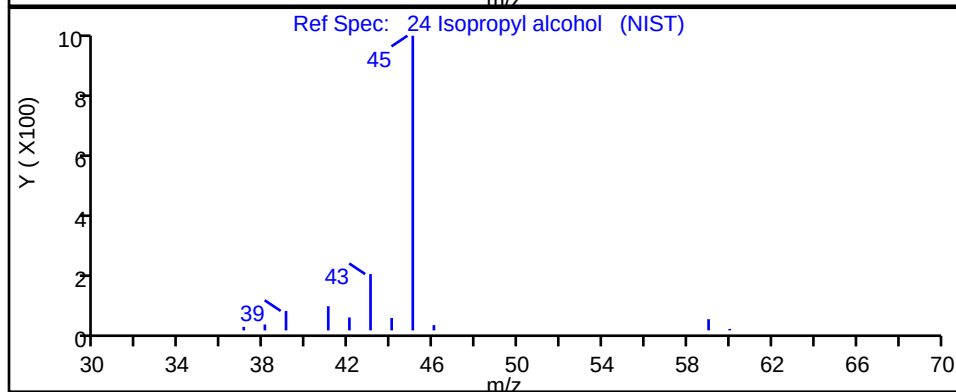
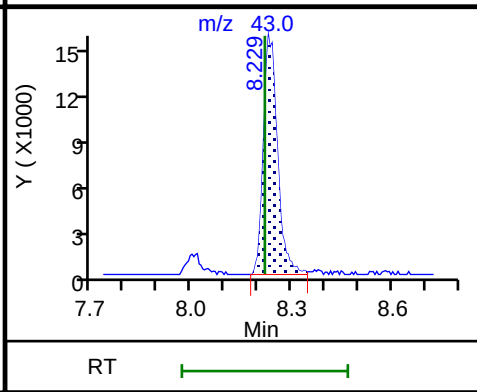
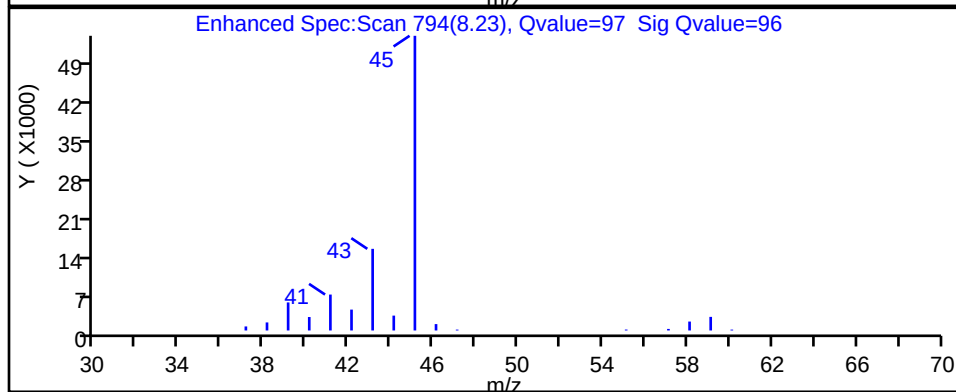
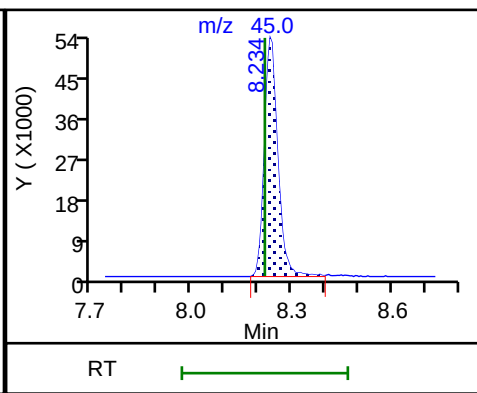
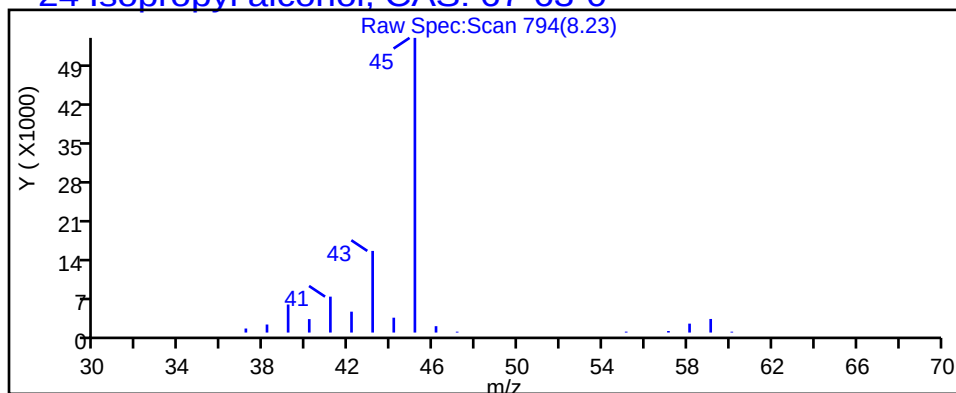
Dil. Factor: 371.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-12.D

Injection Date: 21-Feb-2020 16:29:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-6

Lab Sample ID: 200-52685-6

Client ID: IA-05-021420

Operator ID: ggg

ALS Bottle#: 12 Worklist Smp#: 12

Purge Vol: 200.000 mL

Dil. Factor: 371.0000

Method: TO15_MasterMethod_X.m

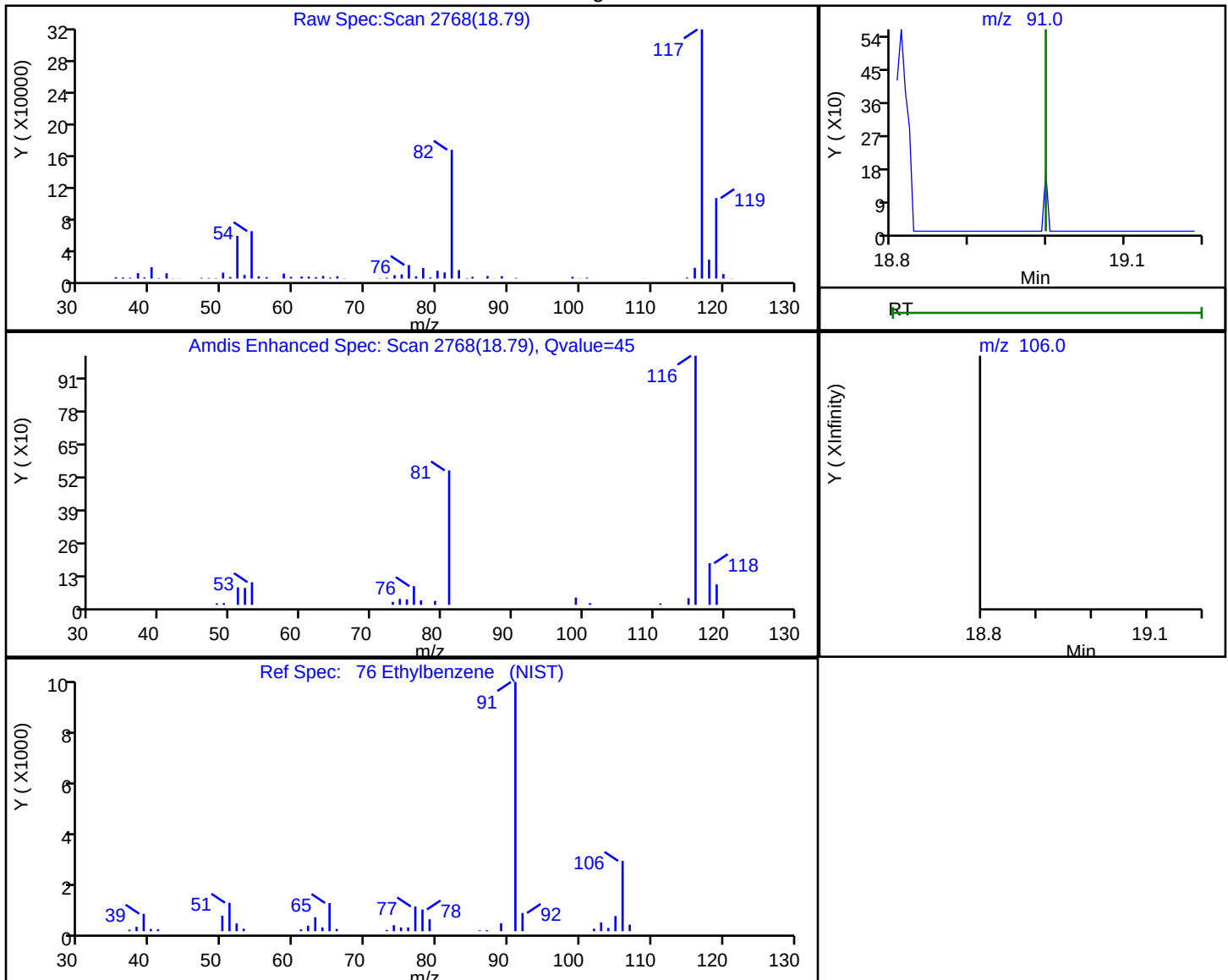
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 Ethylbenzene, CAS: 100-41-4

Processing Results



RT	Mass	Response	Amount
18.79	91.00	1566	0.012685
19.00	106.00	0	

Reviewer: puangmaleek, 24-Feb-2020 10:48:50

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: SV-DUP-021420 Lab Sample ID: 200-52685-7

Matrix: Air Lab File ID: 40114-10.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:05

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 14:49

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.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.49	J	0.50	0.11
75-45-6	Freon 22	86.47	0.37	J	0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.20	0.035
74-87-3	Chloromethane	50.49	1.8		0.50	0.11
106-97-8	n-Butane	58.12	16		0.50	0.11
75-01-4	Vinyl chloride	62.50	ND		0.060	0.044
106-99-0	1,3-Butadiene	54.09	0.51		0.20	0.057
74-83-9	Bromomethane	94.94	ND		0.20	0.051
75-00-3	Chloroethane	64.52	ND		0.50	0.054
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.20	0.052
75-69-4	Trichlorofluoromethane	137.37	0.22		0.20	0.060
76-13-1	Freon TF	187.38	0.057	J	0.20	0.038
75-35-4	1,1-Dichloroethene	96.94	ND		0.20	0.039
67-64-1	Acetone	58.08	59	E	5.0	1.2
67-63-0	Isopropyl alcohol	60.10	530	E	5.0	0.48
75-15-0	Carbon disulfide	76.14	0.077	J	0.50	0.074
107-05-1	3-Chloropropene	76.53	ND		0.50	0.064
75-09-2	Methylene Chloride	84.93	ND		0.50	0.27
75-65-0	tert-Butyl alcohol	74.12	1.1	J	5.0	0.038
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.20	0.033
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.20	0.042
110-54-3	n-Hexane	86.17	ND		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	ND		0.20	0.041
78-93-3	Methyl Ethyl Ketone	72.11	0.36	J	0.50	0.072
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.20	0.045
540-59-0	1,2-Dichloroethene, Total	96.94	ND		0.40	0.042
67-66-3	Chloroform	119.38	0.095	J	0.20	0.032
109-99-9	Tetrahydrofuran	72.11	ND		5.0	0.066
71-55-6	1,1,1-Trichloroethane	133.41	0.17	J	0.20	0.036
110-82-7	Cyclohexane	84.16	0.39		0.20	0.046
56-23-5	Carbon tetrachloride	153.81	0.071		0.060	0.024
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.20	0.041
71-43-2	Benzene	78.11	0.21		0.20	0.067
107-06-2	1,2-Dichloroethane	98.96	ND		0.20	0.032

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: SV-DUP-021420 Lab Sample ID: 200-52685-7

Matrix: Air Lab File ID: 40114-10.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:05

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 14:49

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.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.074	J	0.20	0.056
79-01-6	Trichloroethene	131.39	ND		0.060	0.035
80-62-6	Methyl methacrylate	100.12	ND		0.50	0.033
78-87-5	1,2-Dichloropropane	112.99	ND		0.20	0.033
123-91-1	1,4-Dioxane	88.11	ND		5.0	0.084
75-27-4	Bromodichloromethane	163.83	ND		0.20	0.035
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.20	0.032
108-10-1	methyl isobutyl ketone	100.16	ND		0.50	0.036
108-88-3	Toluene	92.14	1.1		0.20	0.11
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.20	0.039
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.20	0.036
127-18-4	Tetrachloroethene	165.83	1.1		0.20	0.033
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		0.50	0.048
124-48-1	Dibromochloromethane	208.29	ND		0.20	0.036
106-93-4	1,2-Dibromoethane	187.87	ND		0.20	0.049
108-90-7	Chlorobenzene	112.56	ND		0.20	0.056
100-41-4	Ethylbenzene	106.17	0.23		0.20	0.063
179601-23-1	m,p-Xylene	106.17	1.0		0.50	0.10
95-47-6	Xylene, o-	106.17	0.22		0.20	0.048
1330-20-7	Xylene (total)	106.17	1.2		0.70	0.048
100-42-5	Styrene	104.15	ND		0.20	0.040
75-25-2	Bromoform	252.75	ND		0.20	0.048
98-82-8	Cumene	120.19	ND		0.20	0.035
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.20	0.042
103-65-1	n-Propylbenzene	120.19	ND		0.20	0.039
622-96-8	4-Ethyltoluene	120.20	ND		0.20	0.041
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.20	0.039
95-49-8	2-Chlorotoluene	126.59	ND		0.20	0.042
98-06-6	tert-Butylbenzene	134.22	ND		0.20	0.035
95-63-6	1,2,4-Trimethylbenzene	120.20	0.044	J	0.20	0.044
135-98-8	sec-Butylbenzene	134.22	ND		0.20	0.035
99-87-6	4-Isopropyltoluene	134.22	ND		0.20	0.039
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.20	0.11
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.20	0.12

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.: _____
Client Sample ID: SV-DUP-021420 Lab Sample ID: 200-52685-7
Matrix: Air Lab File ID: 40114-10.D
Analysis Method: TO-15 Date Collected: 02/14/2020 11:05
Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 14:49
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.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		0.20	0.085
104-51-8	n-Butylbenzene	134.22	ND		0.20	0.039
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.20	0.097
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.50	0.22
87-68-3	Hexachlorobutadiene	260.76	ND		0.20	0.076
91-20-3	Naphthalene	128.17	ND		0.50	0.17

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: SV-DUP-021420 Lab Sample ID: 200-52685-7

Matrix: Air Lab File ID: 40114-10.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:05

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 14:49

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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.4	J	2.5	0.54
75-45-6	Freon 22	86.47	1.3	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	0.24
74-87-3	Chloromethane	50.49	3.7		1.0	0.23
106-97-8	n-Butane	58.12	37		1.2	0.26
75-01-4	Vinyl chloride	62.50	ND		0.15	0.11
106-99-0	1,3-Butadiene	54.09	1.1		0.44	0.13
74-83-9	Bromomethane	94.94	ND		0.78	0.20
75-00-3	Chloroethane	64.52	ND		1.3	0.14
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.87	0.23
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1	0.34
76-13-1	Freon TF	187.38	0.44	J	1.5	0.29
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	0.15
67-64-1	Acetone	58.08	140	E	12	2.9
67-63-0	Isopropyl alcohol	60.10	1300	E	12	1.2
75-15-0	Carbon disulfide	76.14	0.24	J	1.6	0.23
107-05-1	3-Chloropropene	76.53	ND		1.6	0.20
75-09-2	Methylene Chloride	84.93	ND		1.7	0.94
75-65-0	tert-Butyl alcohol	74.12	3.3	J	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.72	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.79	0.17
110-54-3	n-Hexane	86.17	ND		0.70	0.70
75-34-3	1,1-Dichloroethane	98.96	ND		0.81	0.17
78-93-3	Methyl Ethyl Ketone	72.11	1.1	J	1.5	0.21
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.79	0.18
540-59-0	1,2-Dichloroethene, Total	96.94	ND		1.6	0.17
67-66-3	Chloroform	119.38	0.46	J	0.98	0.16
109-99-9	Tetrahydrofuran	72.11	ND		15	0.19
71-55-6	1,1,1-Trichloroethane	133.41	0.93	J	1.1	0.20
110-82-7	Cyclohexane	84.16	1.3		0.69	0.16
56-23-5	Carbon tetrachloride	153.81	0.45		0.38	0.15
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	0.19
71-43-2	Benzene	78.11	0.67		0.64	0.21
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	0.13

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: SV-DUP-021420 Lab Sample ID: 200-52685-7

Matrix: Air Lab File ID: 40114-10.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:05

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 14:49

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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.30	J	0.82	0.23
79-01-6	Trichloroethene	131.39	ND		0.32	0.19
80-62-6	Methyl methacrylate	100.12	ND		2.0	0.14
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.15
123-91-1	1,4-Dioxane	88.11	ND		18	0.30
75-27-4	Bromodichloromethane	163.83	ND		1.3	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	0.15
108-10-1	methyl isobutyl ketone	100.16	ND		2.0	0.15
108-88-3	Toluene	92.14	4.1		0.75	0.41
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	0.18
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	0.20
127-18-4	Tetrachloroethene	165.83	7.3		1.4	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		2.0	0.20
124-48-1	Dibromochloromethane	208.29	ND		1.7	0.31
106-93-4	1,2-Dibromoethane	187.87	ND		1.5	0.38
108-90-7	Chlorobenzene	112.56	ND		0.92	0.26
100-41-4	Ethylbenzene	106.17	0.99		0.87	0.27
179601-23-1	m,p-Xylene	106.17	4.4		2.2	0.43
95-47-6	Xylene, o-	106.17	0.95		0.87	0.21
1330-20-7	Xylene (total)	106.17	5.3		3.0	0.21
100-42-5	Styrene	104.15	ND		0.85	0.17
75-25-2	Bromoform	252.75	ND		2.1	0.50
98-82-8	Cumene	120.19	ND		0.98	0.17
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	0.29
103-65-1	n-Propylbenzene	120.19	ND		0.98	0.19
622-96-8	4-Ethyltoluene	120.20	ND		0.98	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.98	0.19
95-49-8	2-Chlorotoluene	126.59	ND		1.0	0.22
98-06-6	tert-Butylbenzene	134.22	ND		1.1	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	0.21	J	0.98	0.22
135-98-8	sec-Butylbenzene	134.22	ND		1.1	0.19
99-87-6	4-Isopropyltoluene	134.22	ND		1.1	0.21
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.2	0.66
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.2	0.72

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SV-DUP-021420 Lab Sample ID: 200-52685-7
 Matrix: Air Lab File ID: 40114-10.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:05
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 14:49
 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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		1.0	0.44
104-51-8	n-Butylbenzene	134.22	ND		1.1	0.21
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	0.58
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3.7	1.6
87-68-3	Hexachlorobutadiene	260.76	ND		2.1	0.81
91-20-3	Naphthalene	128.17	ND		2.6	0.89

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D
 Lims ID: 200-52685-A-7
 Client ID: SV-DUP-021420
 Sample Type: Client
 Inject. Date: 21-Feb-2020 14:49:30 ALS Bottle#: 10 Worklist Smp#: 10
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0040114-010
 Operator ID: ggg Instrument ID: CHX.i
 Method: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 24-Feb-2020 10:46:16 Calib Date: 22-Jan-2020 04:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-16.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0337

First Level Reviewer: puangmaleek

Date: 24-Feb-2020 10:46:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.179	4.185	-0.006	99	41029	0.4900	
3 Chlorodifluoromethane	51	4.244	4.249	-0.005	97	17348	0.3692	
4 1,2-Dichloro-1,1,2,2-tetra	85		4.516				ND	
5 Chloromethane	50	4.693	4.704	-0.011	100	54777	1.81	
6 Butane	43	4.934	4.934	0.000	96	588651	15.7	
7 Vinyl chloride	62		4.993				ND	
8 Butadiene	54	5.073	5.083	-0.010	94	8289	0.5099	
10 Bromomethane	94		5.870				ND	
11 Chloroethane	64		6.121				ND	
13 Vinyl bromide	106		6.539				ND	
14 Trichlorofluoromethane	101	6.640	6.630	0.010	98	21109	0.2232	
20 1,1,2-Trichloro-1,2,2-trif	101	7.694	7.692	0.005	90	3936	0.0572	
21 1,1-Dichloroethene	96		7.753				ND	
22 Acetone	43	7.962	7.967	-0.005	97	2125452	59.4	E
23 Carbon disulfide	76	8.154	8.160	0.005	95	6021	0.0773	
24 Isopropyl alcohol	45	8.240	8.218	0.022	99	16100075	527.9	E
25 3-Chloro-1-propene	41		8.491				ND	
27 Methylene Chloride	49	8.775	8.786	0.000	78	1852	0.0811	
28 2-Methyl-2-propanol	59	8.951	8.945	0.010	95	49732	1.10	
29 Methyl tert-butyl ether	73		9.128				ND	
31 trans-1,2-Dichloroethene	61		9.181				ND	
33 Hexane	57	9.524	9.523	0.006	87	4460	0.1256	
S 30 1,2-Dichloroethene, Total	61		9.665				ND	
34 1,1-Dichloroethane	63		10.000				ND	
37 cis-1,2-Dichloroethene	96		11.032				ND	
38 2-Butanone (MEK)	72	11.075	11.070	0.011	99	4875	0.3595	
* 40 Chlorobromomethane	128	11.471	11.466	0.005	68	240497	10.0	
41 Tetrahydrofuran	42		11.471				ND	U
42 Chloroform	83	11.578	11.578	0.000	96	5997	0.0946	
43 Cyclohexane	84	11.813	11.803	0.005	90	14056	0.3856	
44 1,1,1-Trichloroethane	97	11.835	11.835	0.000	93	11491	0.1709	
45 Carbon tetrachloride	117	12.070	12.060	0.011	95	5199	0.0711	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
46 Isooctane	57	12.429	12.418	0.006	40	3270	0.0318	
47 Benzene	78	12.482	12.482	0.000	93	17331	0.2101	
48 1,2-Dichloroethane	62		12.648				ND	
49 n-Heptane	43	12.771	12.761	0.005	65	2398	0.0737	
* 50 1,4-Difluorobenzene	114	13.220	13.220	0.000	91	1053284	10.0	
53 Trichloroethene	95		13.638				ND	
54 1,2-Dichloropropane	63		14.130				ND	
55 Methyl methacrylate	69		14.248				ND	
56 1,4-Dioxane	88		14.317				ND	
58 Dichlorobromomethane	83		14.617				ND	
60 cis-1,3-Dichloropropene	75		15.446				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.692				ND	
65 Toluene	92	15.986	15.975	0.011	93	69521	1.09	
66 trans-1,3-Dichloropropene	75		16.532				ND	U
67 1,1,2-Trichloroethane	83		16.901				ND	
68 Tetrachloroethene	166	17.008	16.992	0.011	93	85866	1.08	
69 2-Hexanone	43		17.324				ND	U
71 Chlorodibromomethane	129		17.650				ND	
72 Ethylene Dibromide	107		17.917				ND	
* 74 Chlorobenzene-d5	117	18.806	18.800	0.006	81	1000715	10.0	
75 Chlorobenzene	112		18.859				ND	
76 Ethylbenzene	91	19.009	18.998	0.011	97	35214	0.2279	
78 m-Xylene & p-Xylene	106	19.255	19.244	0.011	0	65948	1.01	
S 73 Xylenes, Total	106				0		1.23	
79 o-Xylene	106	20.089	20.078	0.005	99	13639	0.2177	
80 Styrene	104	20.148	20.132	0.010	25	2677	0.0296	
81 Bromoform	173		20.576				ND	
82 Isopropylbenzene	105		20.769				ND	
84 1,1,2,2-Tetrachloroethane	83		21.438				ND	
85 N-Propylbenzene	91	21.507	21.490	0.011	97	3076	0.0151	
88 4-Ethyltoluene	105	21.684	21.678	0.000	96	3726	0.0212	
89 2-Chlorotoluene	91		21.700				ND	
90 1,3,5-Trimethylbenzene	105	21.801	21.784	0.010	90	2610	0.0165	
92 tert-Butylbenzene	119		22.283				ND	
93 1,2,4-Trimethylbenzene	105	22.390	22.373	0.011	96	6710	0.0436	
94 sec-Butylbenzene	105		22.609				ND	
95 4-Isopropyltoluene	119	22.812	22.812	0.000	96	2038	0.0106	Ma
96 1,3-Dichlorobenzene	146		22.850				ND	
97 1,4-Dichlorobenzene	146		22.984				ND	
98 Benzyl chloride	91		23.182				ND	
100 n-Butylbenzene	91		23.385				ND	
101 1,2-Dichlorobenzene	146		23.513				ND	
103 1,2,4-Trichlorobenzene	180		25.995				ND	
104 Hexachlorobutadiene	225		26.172				ND	
105 Naphthalene	128	26.482	26.482	0.010	93	3282	0.0245	M

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 24-Feb-2020 10:46:17

Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D

Injection Date: 21-Feb-2020 14:49:30

Instrument ID: CHX.i

Operator ID: ggg

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Worklist Smp#: 10

Client ID: SV-DUP-021420

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

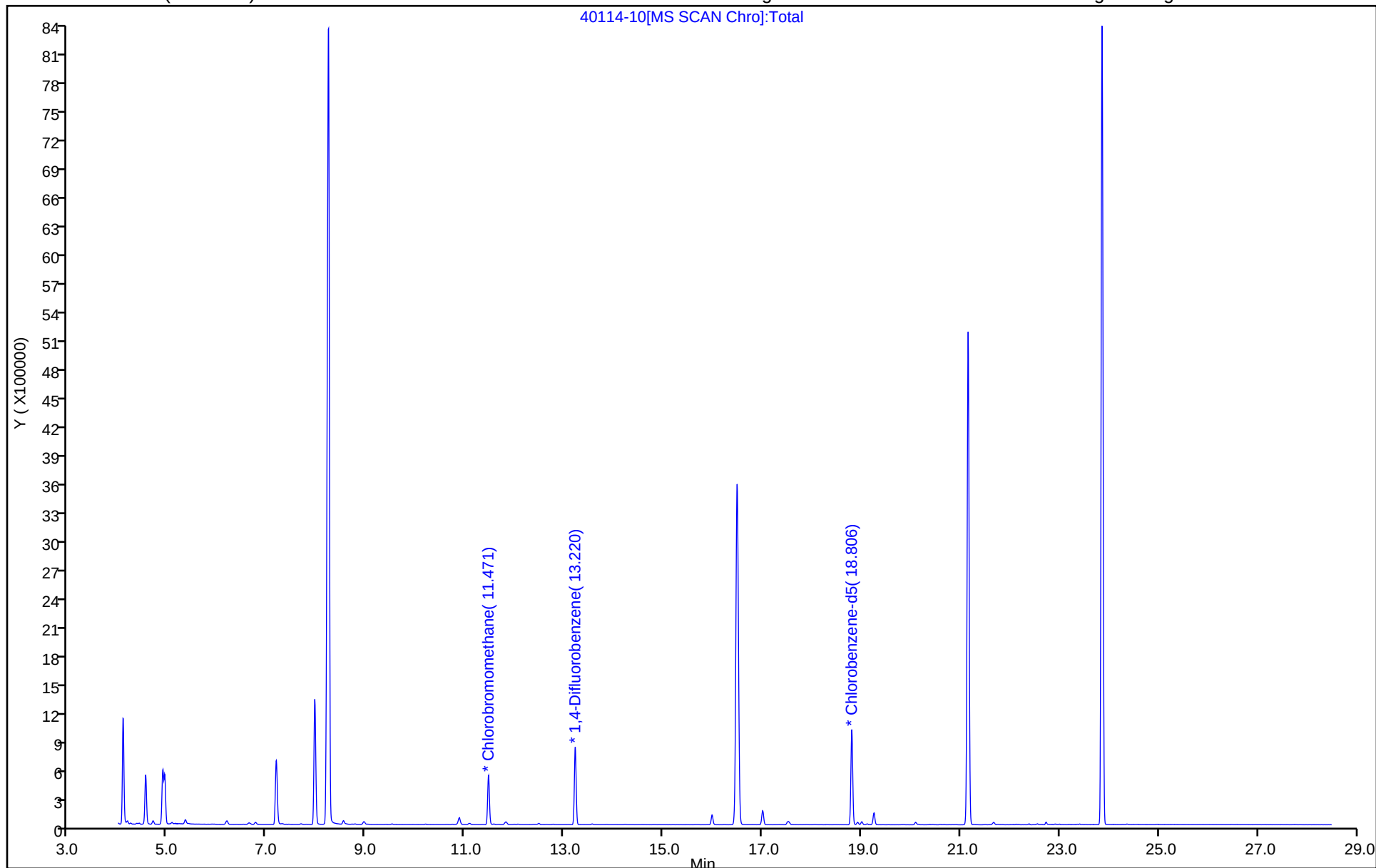
ALS Bottle#: 10

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D

Injection Date: 21-Feb-2020 14:49:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 200.000 mL

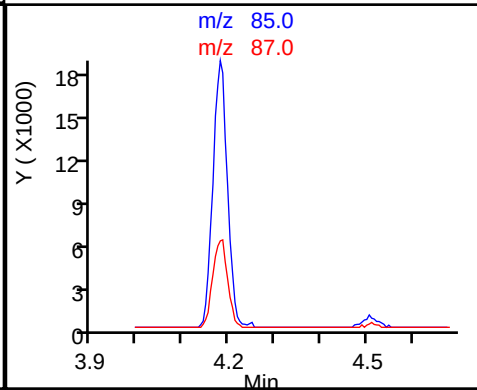
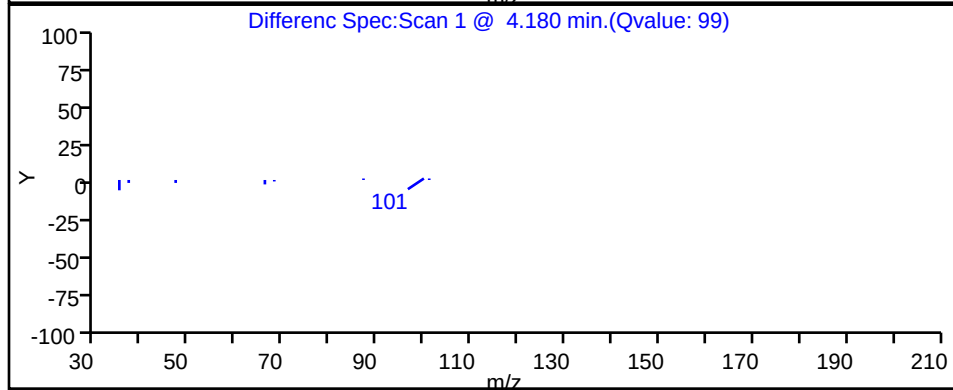
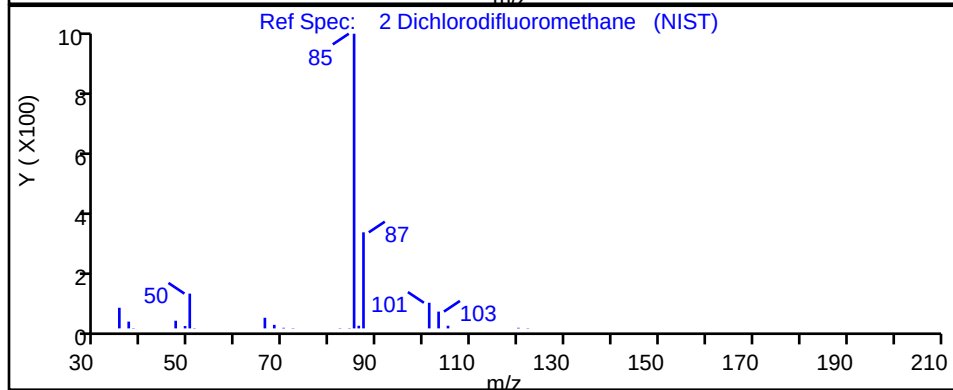
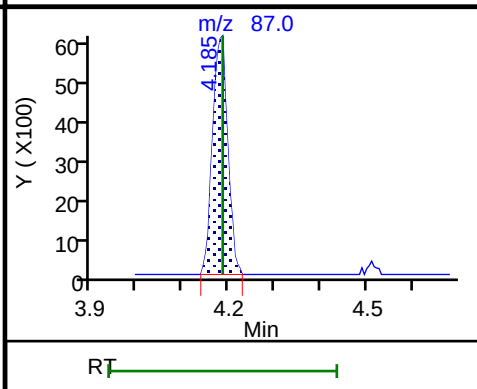
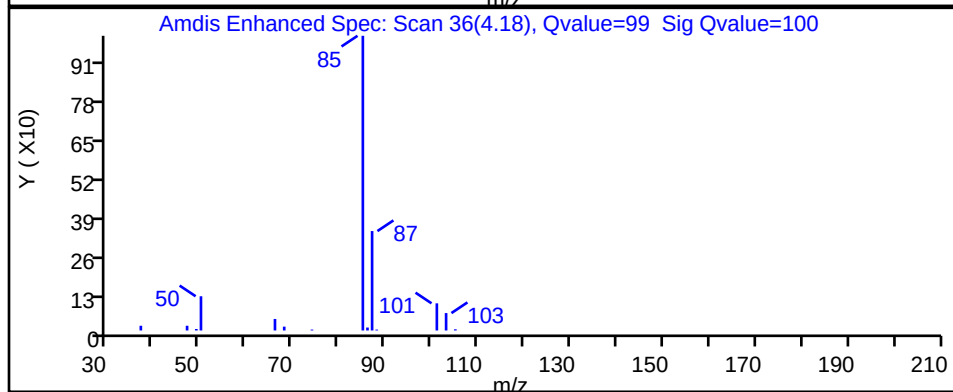
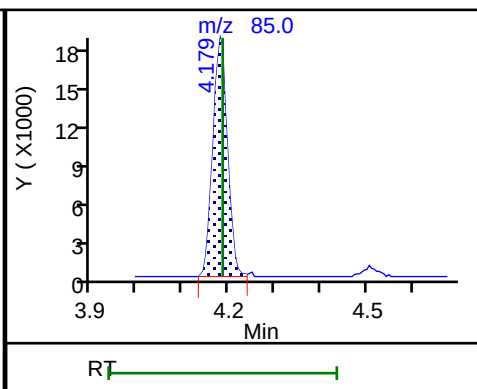
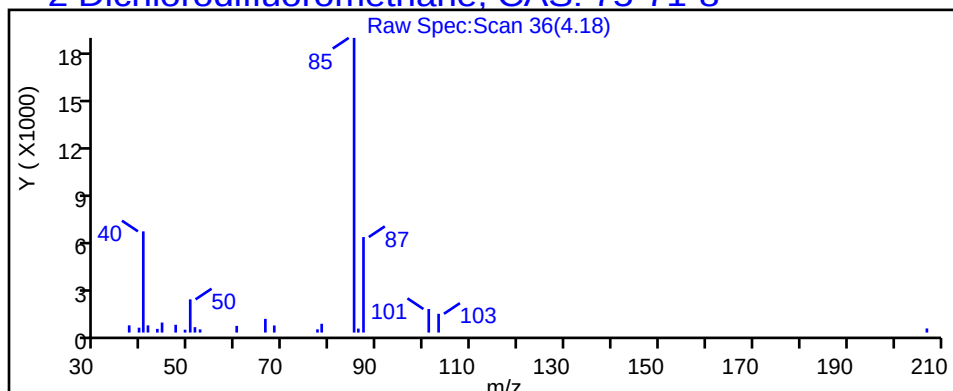
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D

Injection Date: 21-Feb-2020 14:49:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 200.000 mL

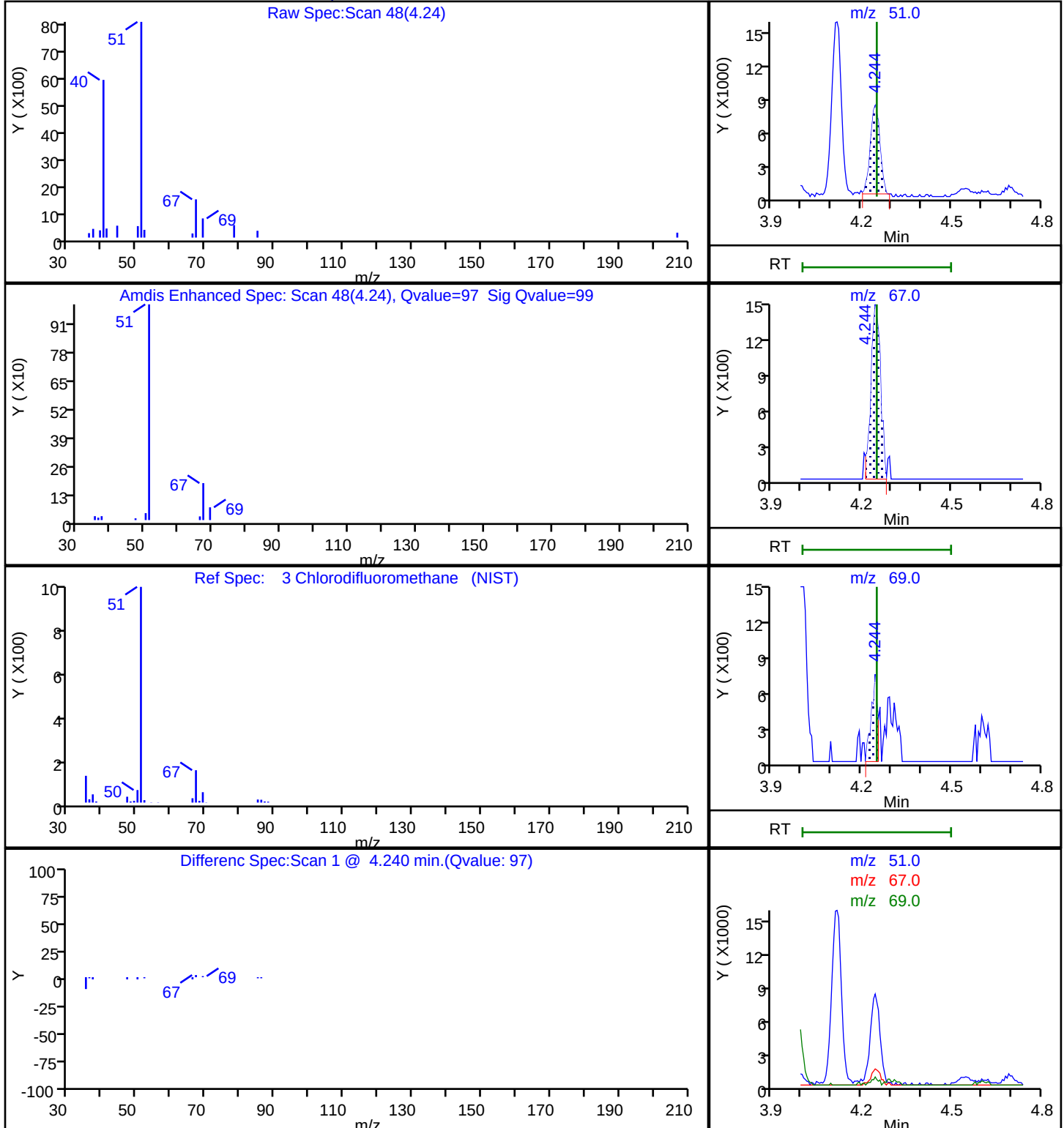
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

3 Chlorodifluoromethane, CAS: 75-45-6

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D

Injection Date: 21-Feb-2020 14:49:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 200.000 mL

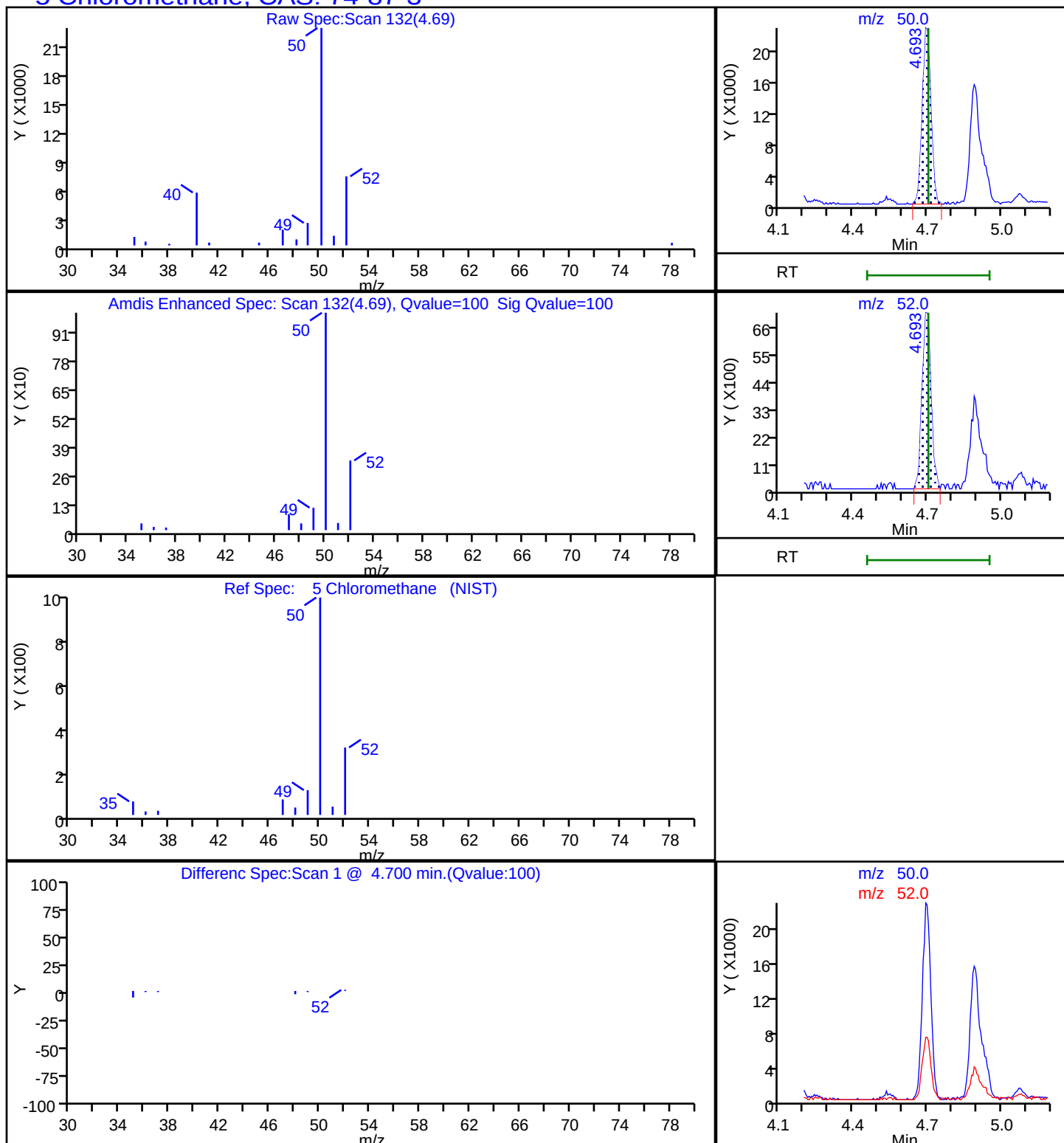
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

5 Chloromethane, CAS: 74-87-3

Detector MS SCAN

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D

Injection Date: 21-Feb-2020 14:49:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 200.000 mL

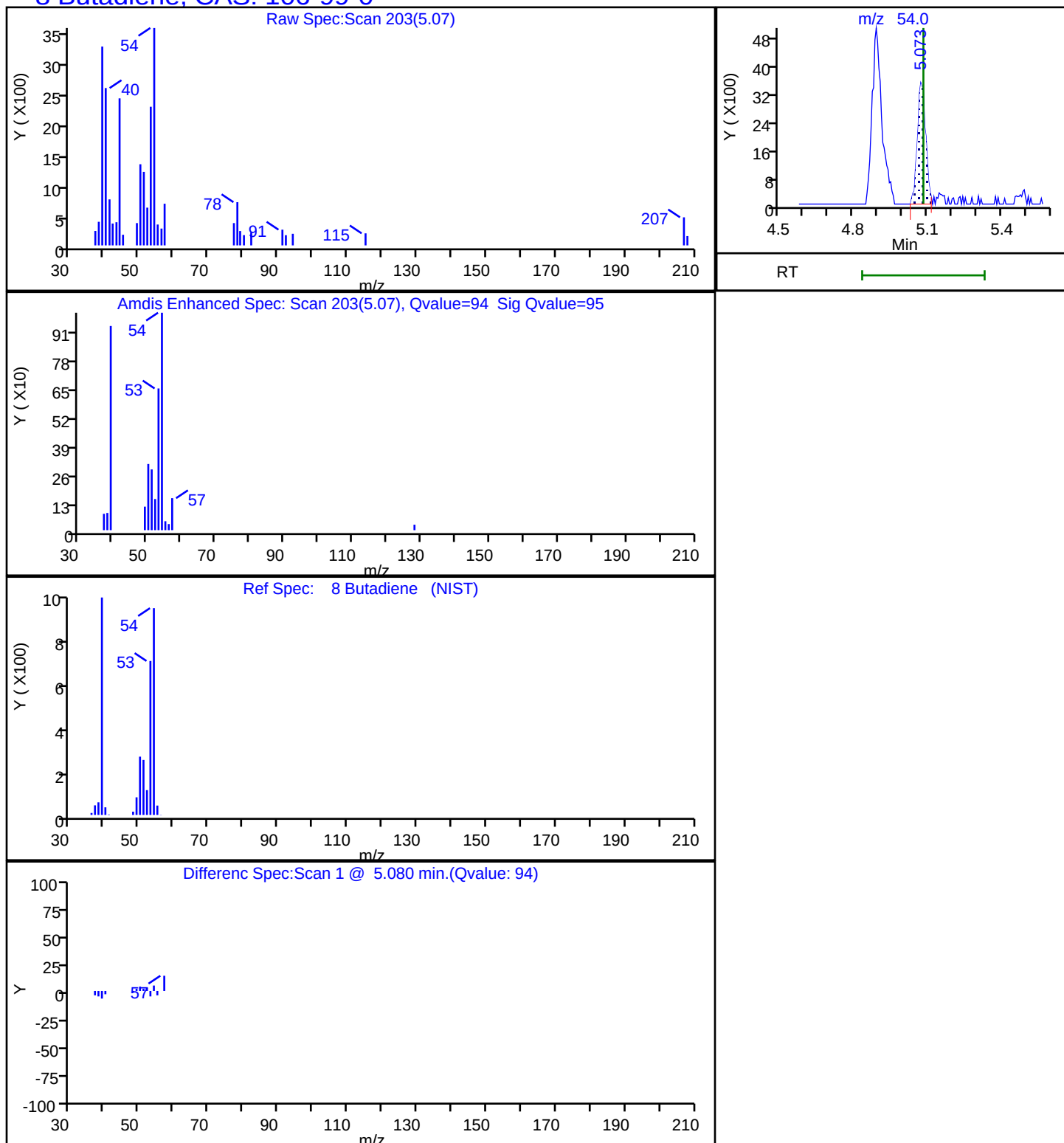
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

8 Butadiene, CAS: 106-99-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D

Injection Date: 21-Feb-2020 14:49:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 200.000 mL

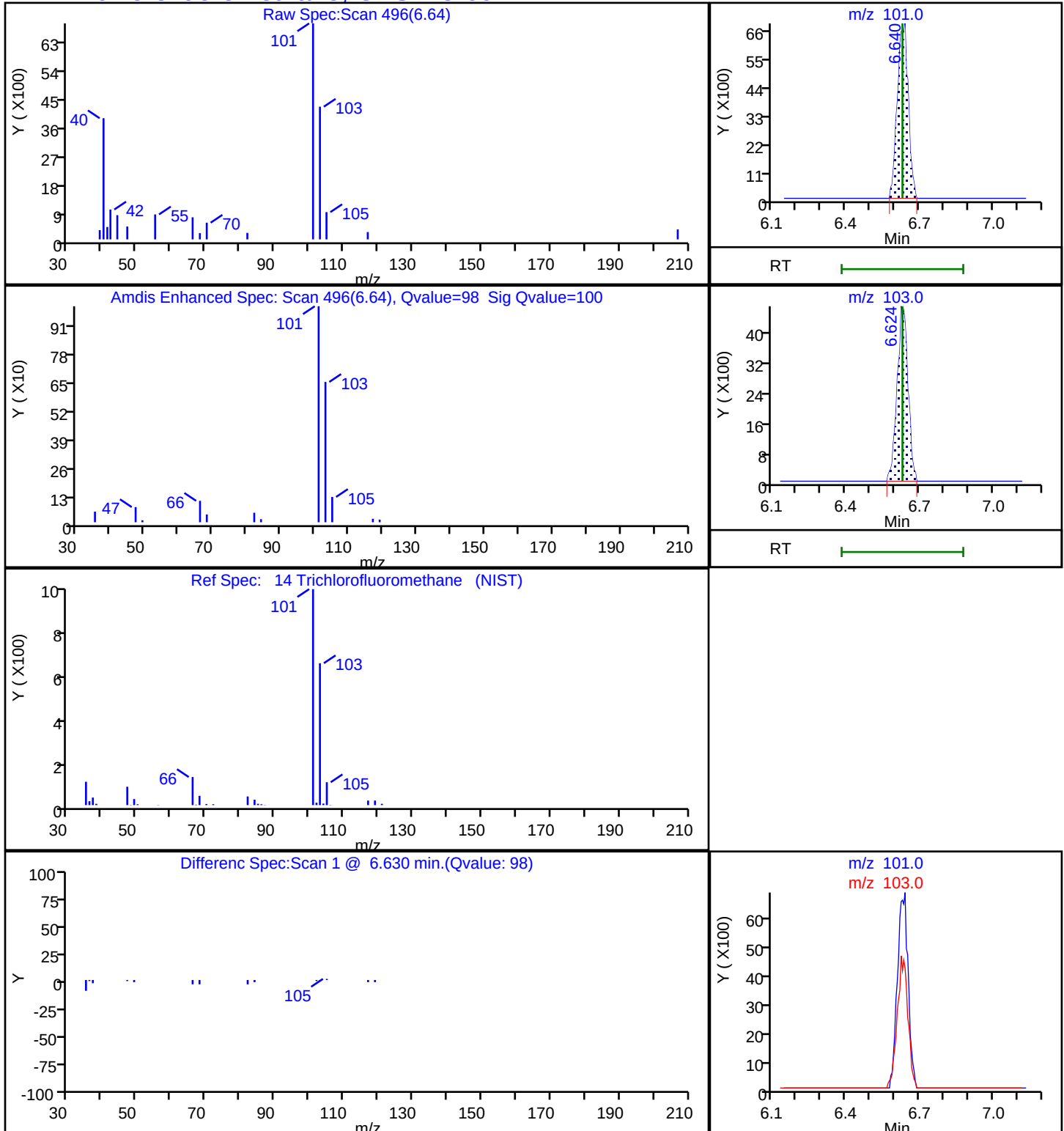
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

14 Trichlorofluoromethane, CAS: 75-69-4

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D

Injection Date: 21-Feb-2020 14:49:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 200.000 mL

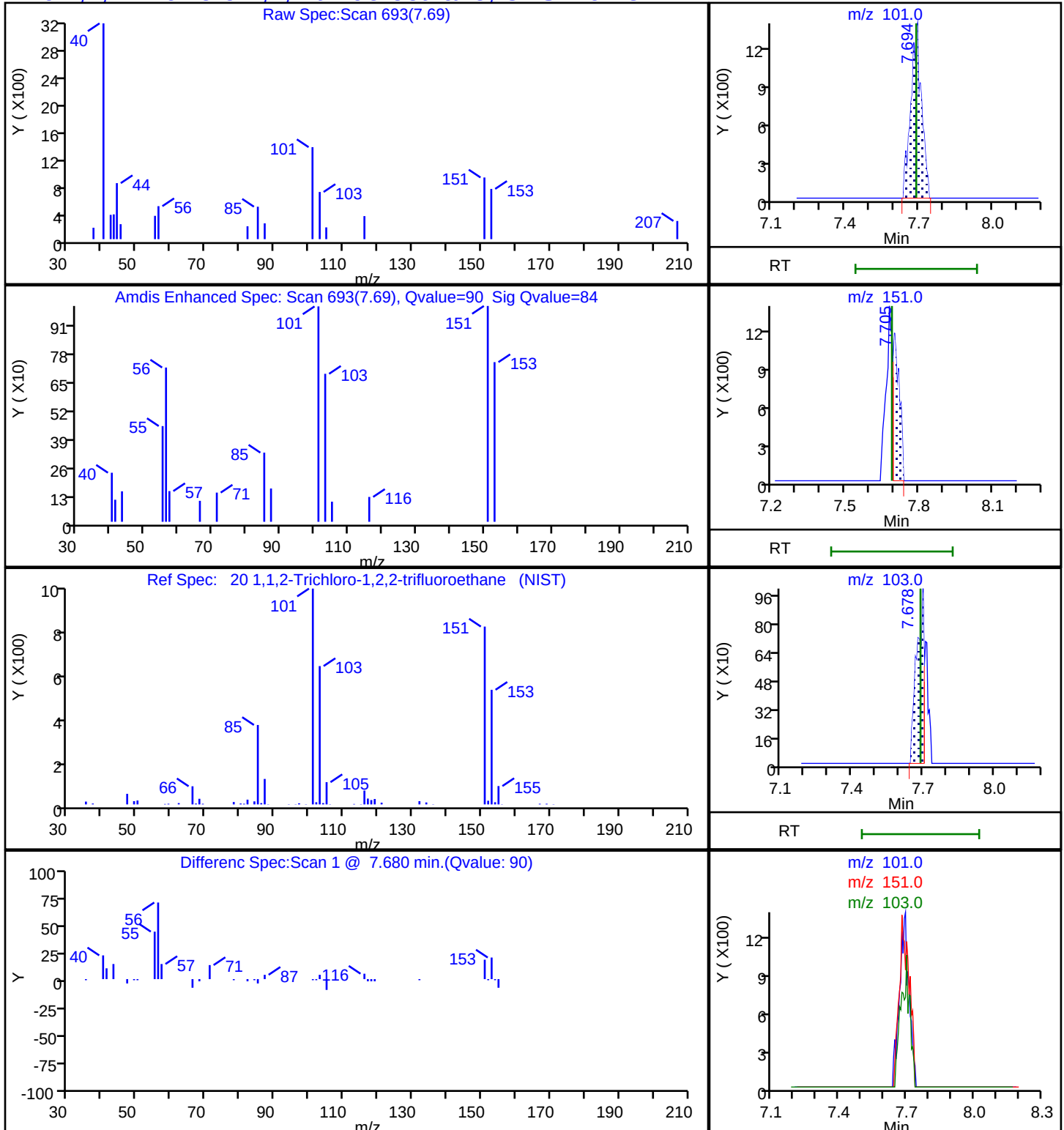
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D

Injection Date: 21-Feb-2020 14:49:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 200.000 mL

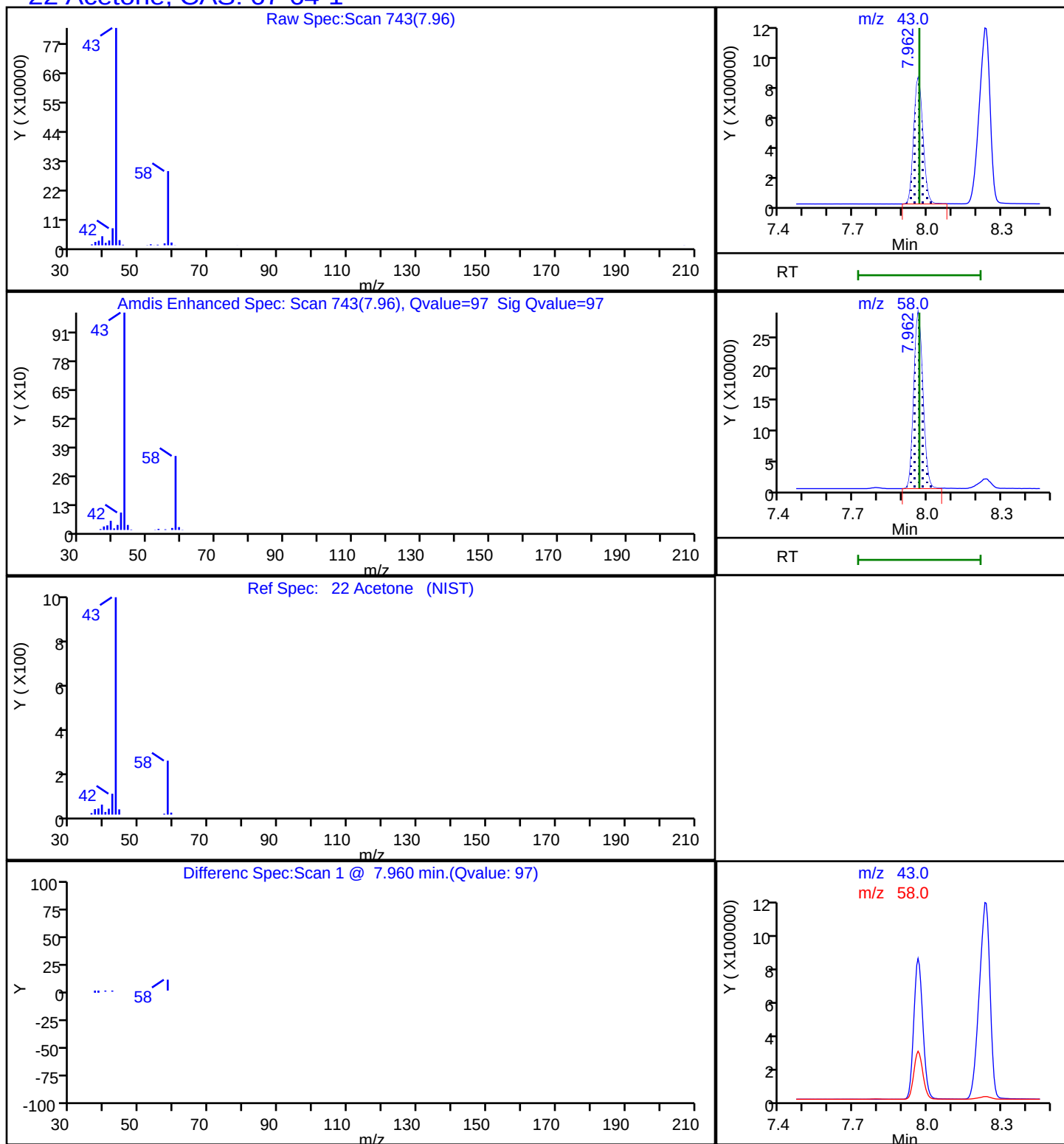
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

22 Acetone, CAS: 67-64-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D

Injection Date: 21-Feb-2020 14:49:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 200.000 mL

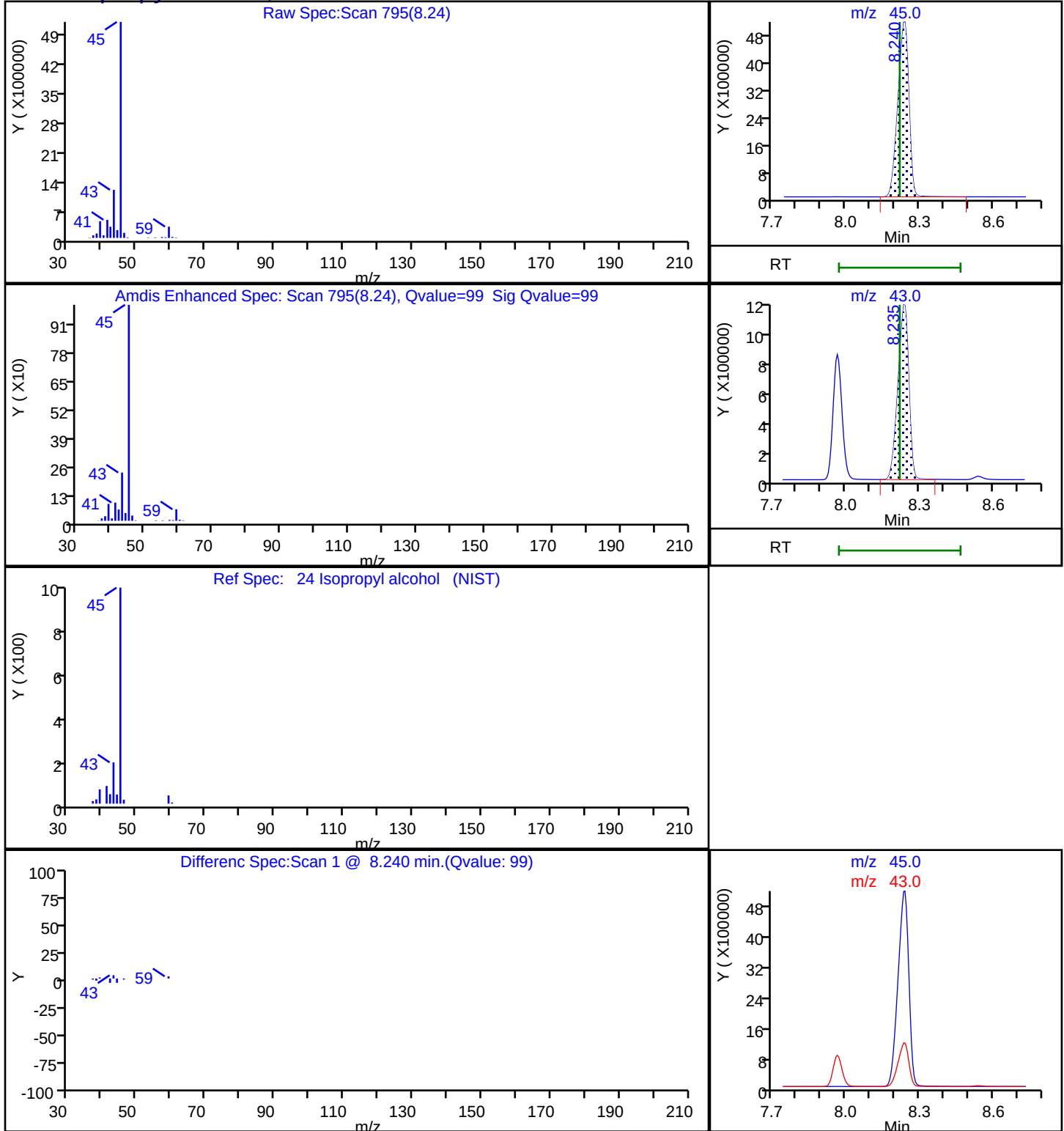
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D

Injection Date: 21-Feb-2020 14:49:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 200.000 mL

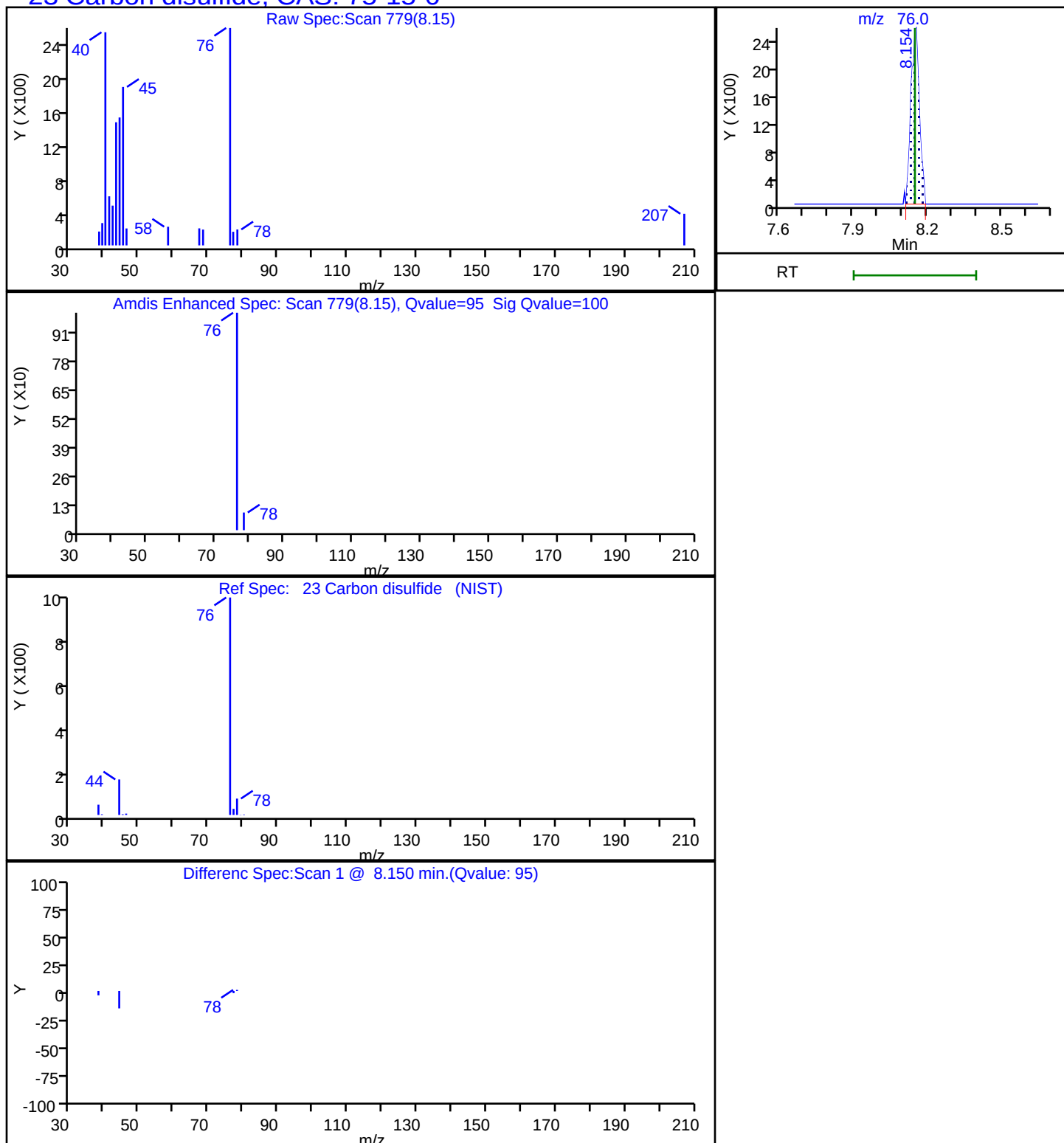
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

23 Carbon disulfide, CAS: 75-15-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D

Injection Date: 21-Feb-2020 14:49:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 200.000 mL

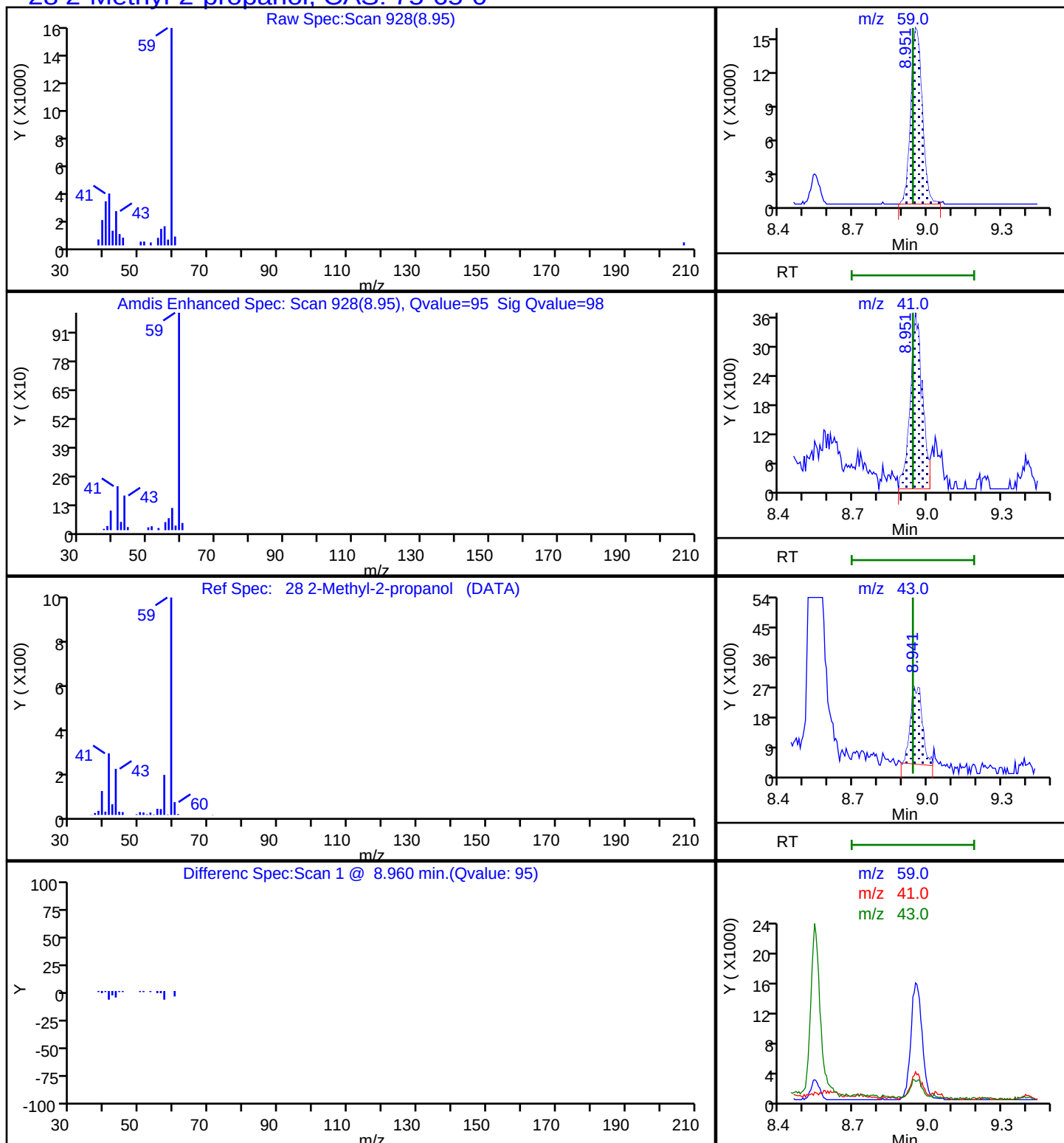
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D

Injection Date: 21-Feb-2020 14:49:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 200.000 mL

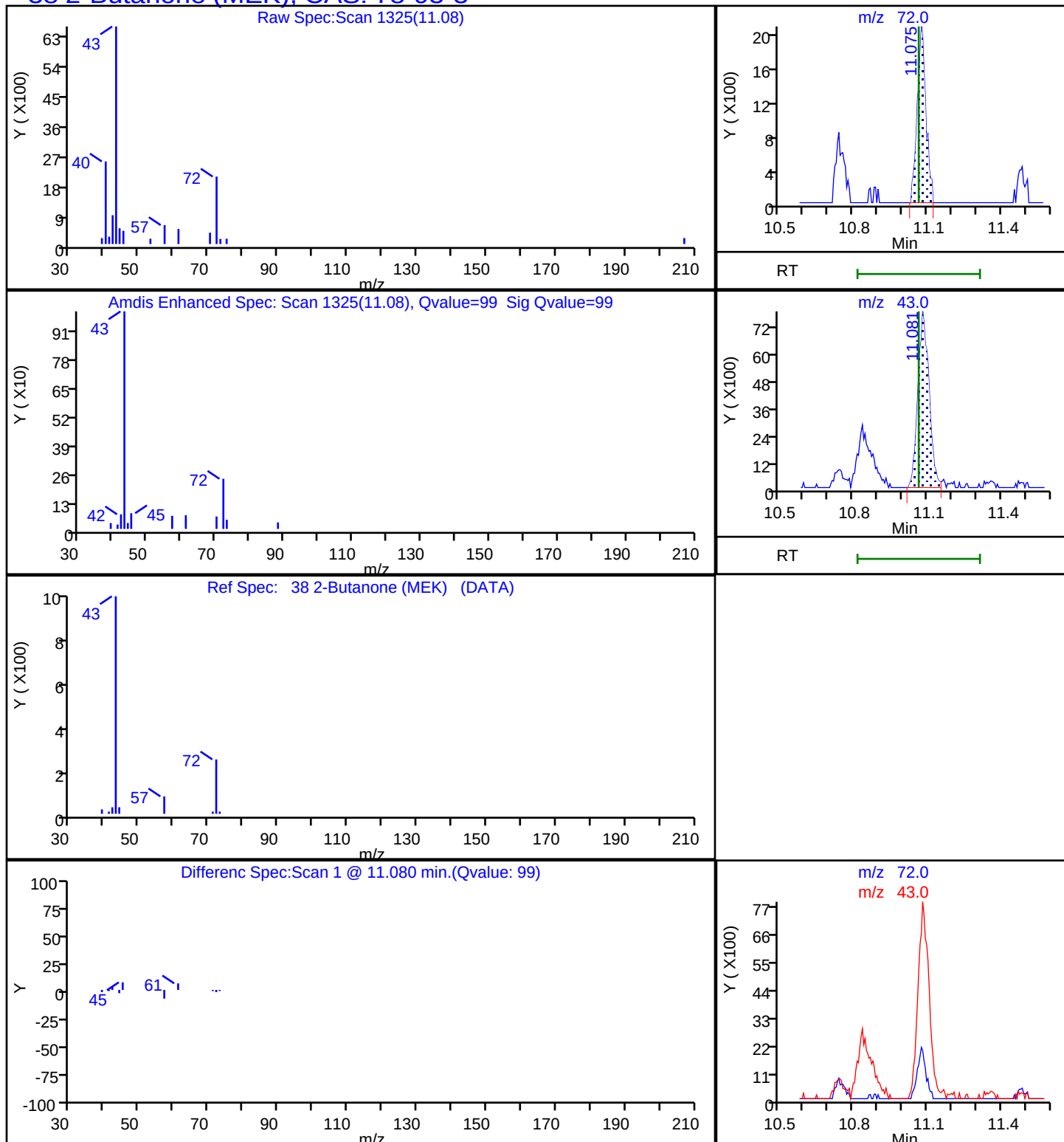
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

38 2-Butanone (MEK), CAS: 78-93-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D

Injection Date: 21-Feb-2020 14:49:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 200.000 mL

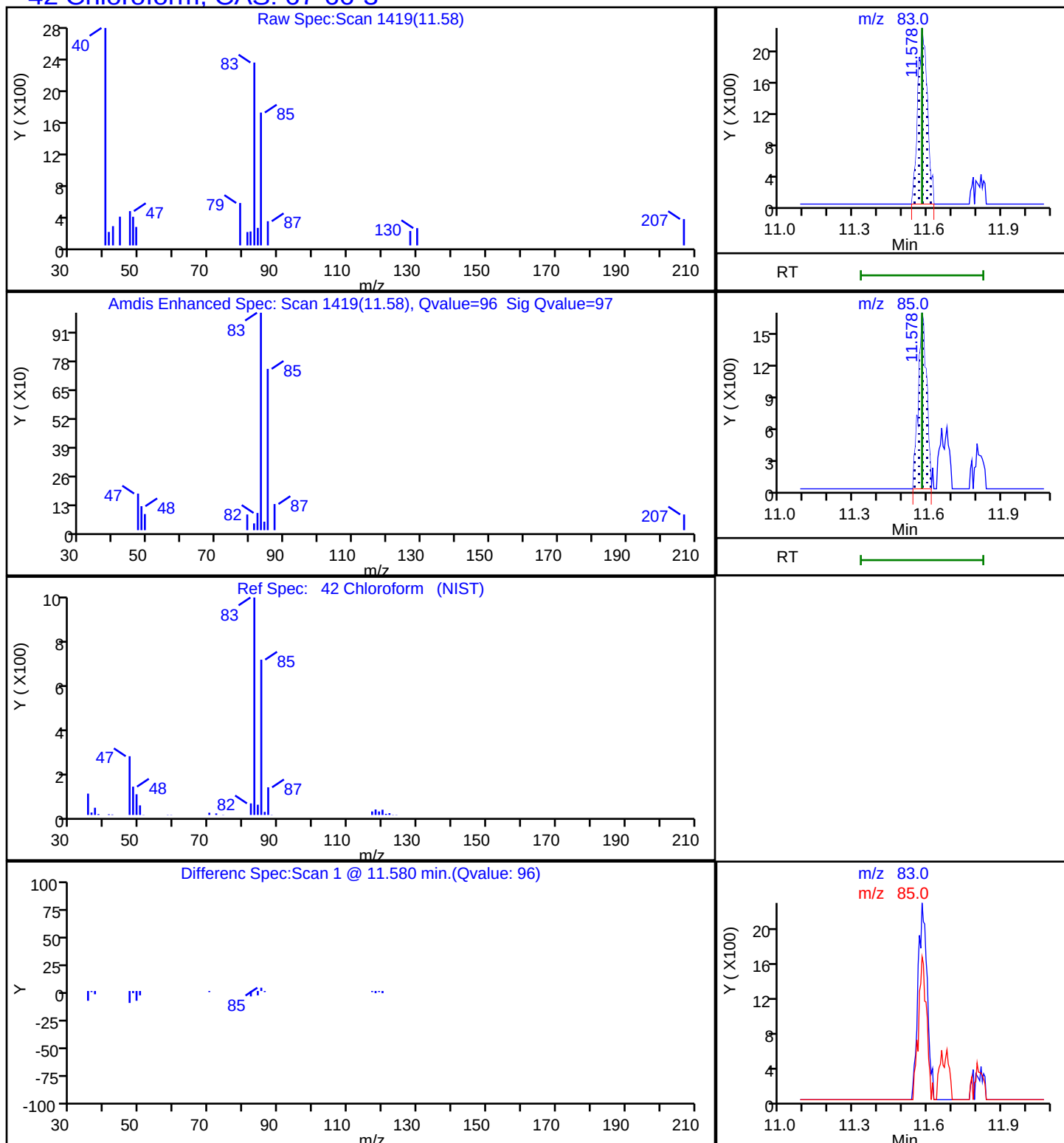
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

42 Chloroform, CAS: 67-66-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D

Injection Date: 21-Feb-2020 14:49:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 200.000 mL

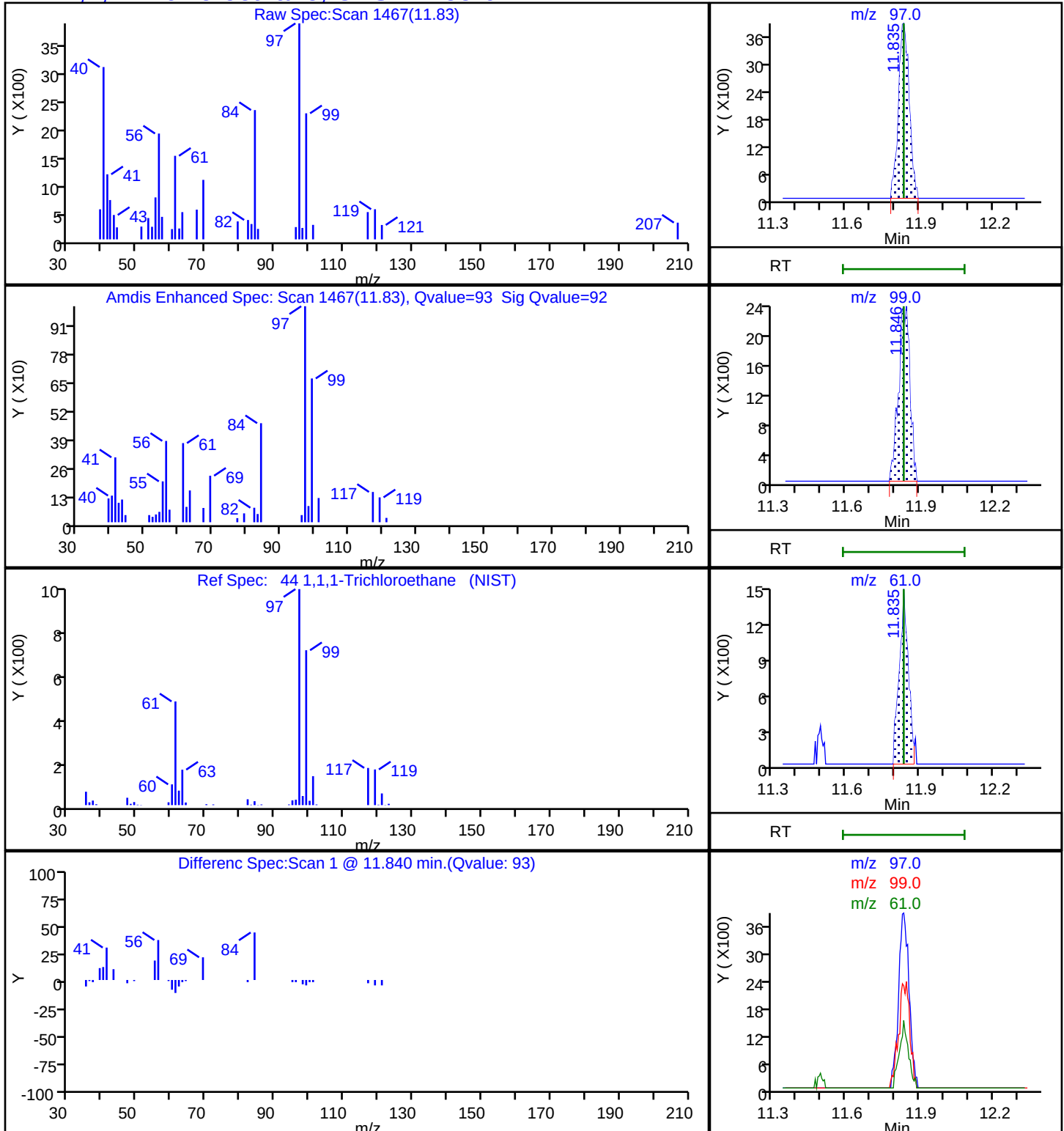
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

44 1,1,1-Trichloroethane, CAS: 71-55-6

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D

Injection Date: 21-Feb-2020 14:49:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 200.000 mL

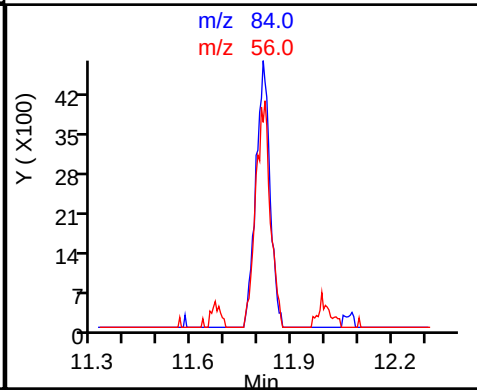
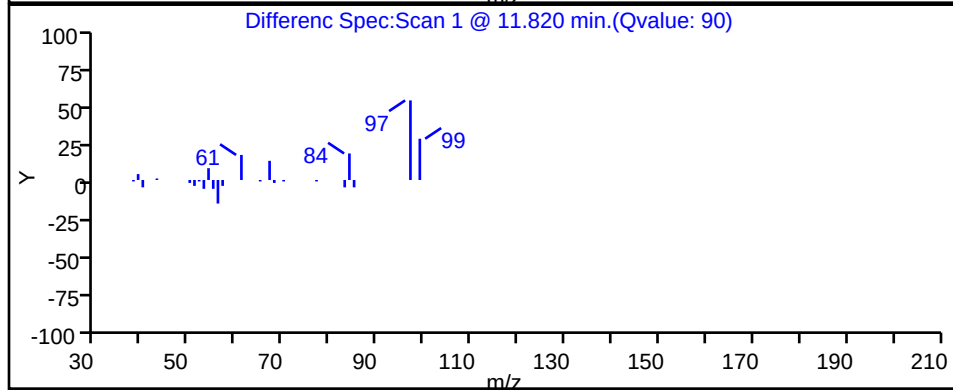
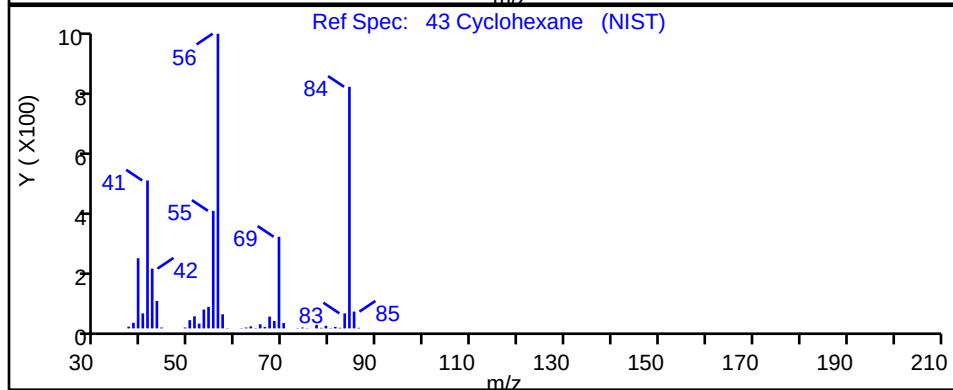
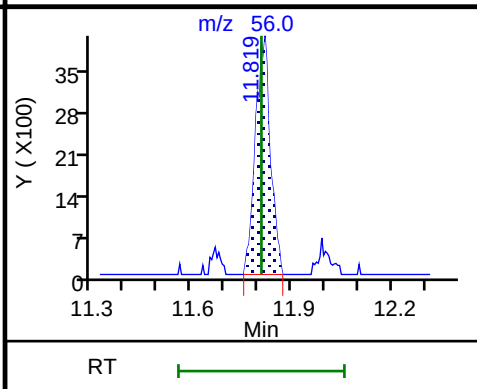
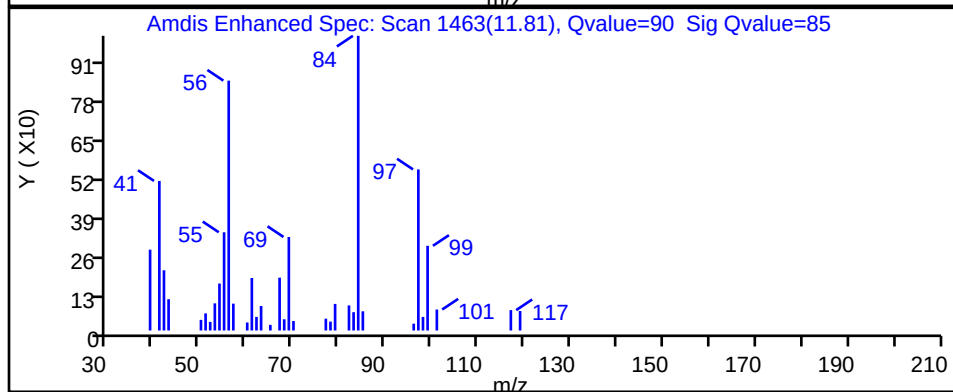
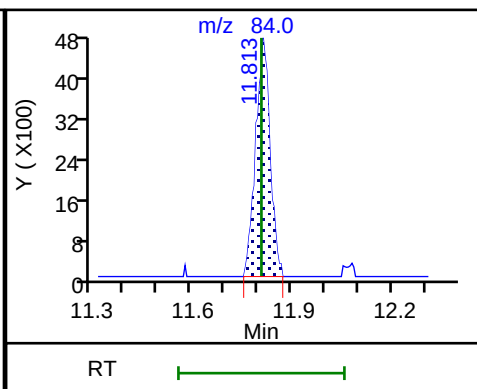
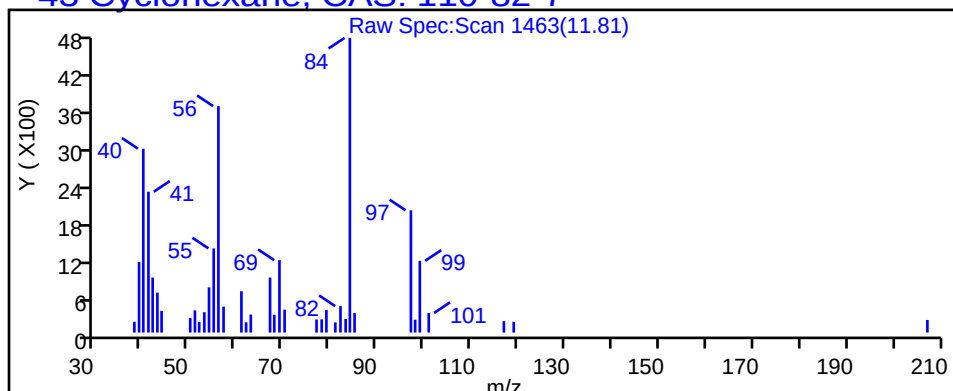
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D

Injection Date: 21-Feb-2020 14:49:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 200.000 mL

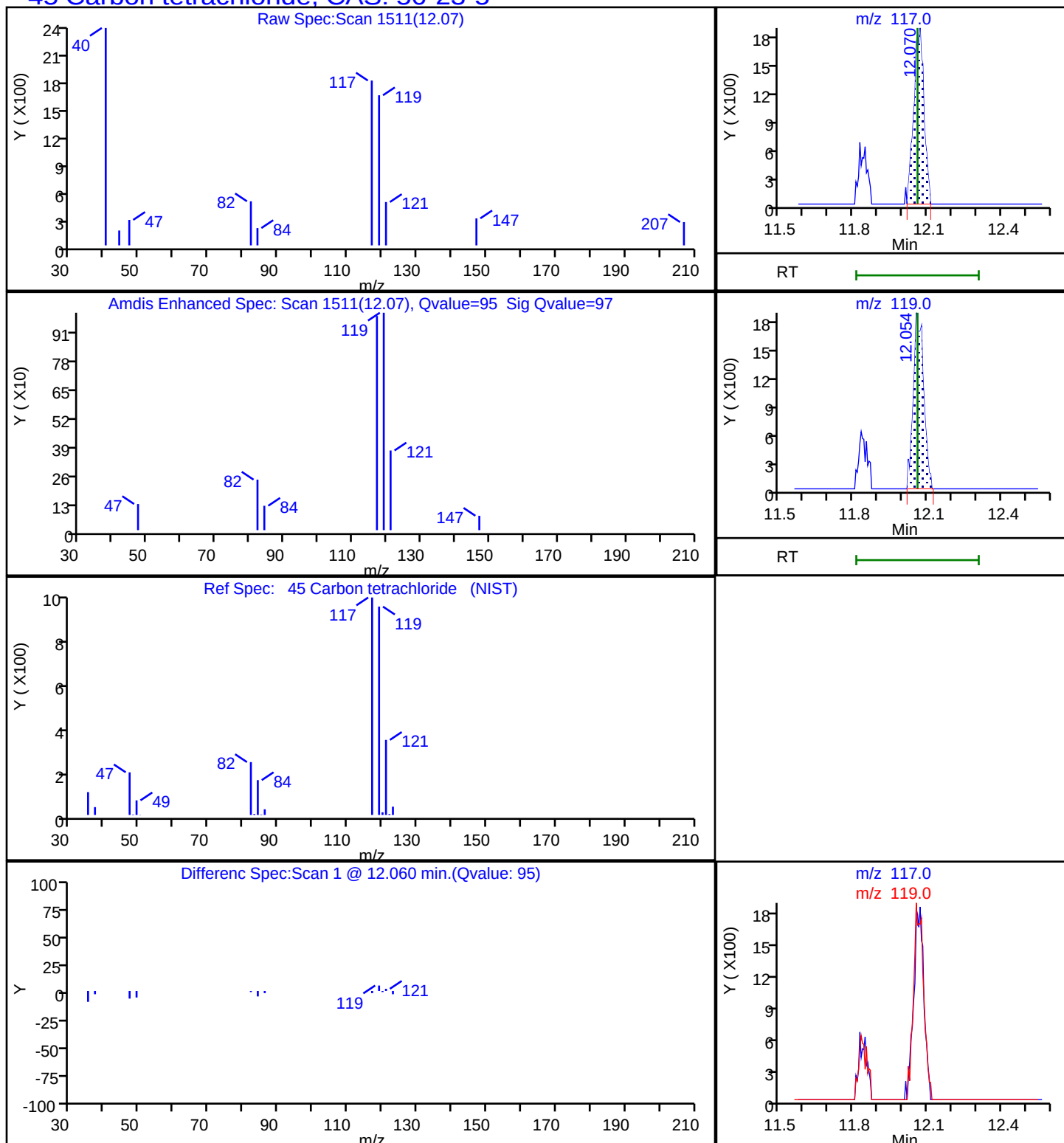
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Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

45 Carbon tetrachloride, CAS: 56-23-5

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D

Injection Date: 21-Feb-2020 14:49:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 200.000 mL

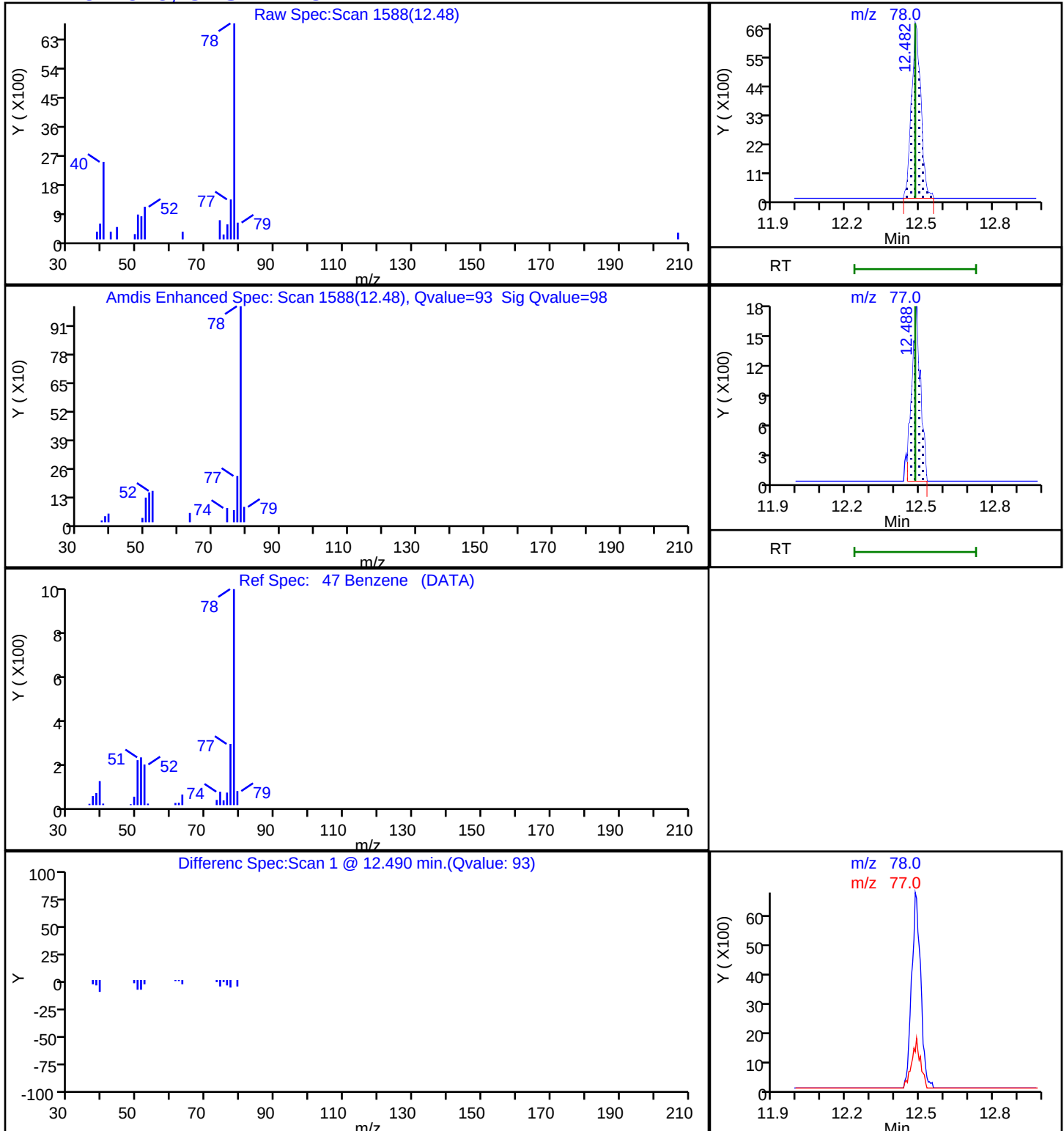
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

47 Benzene, CAS: 71-43-2

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D

Injection Date: 21-Feb-2020 14:49:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 200.000 mL

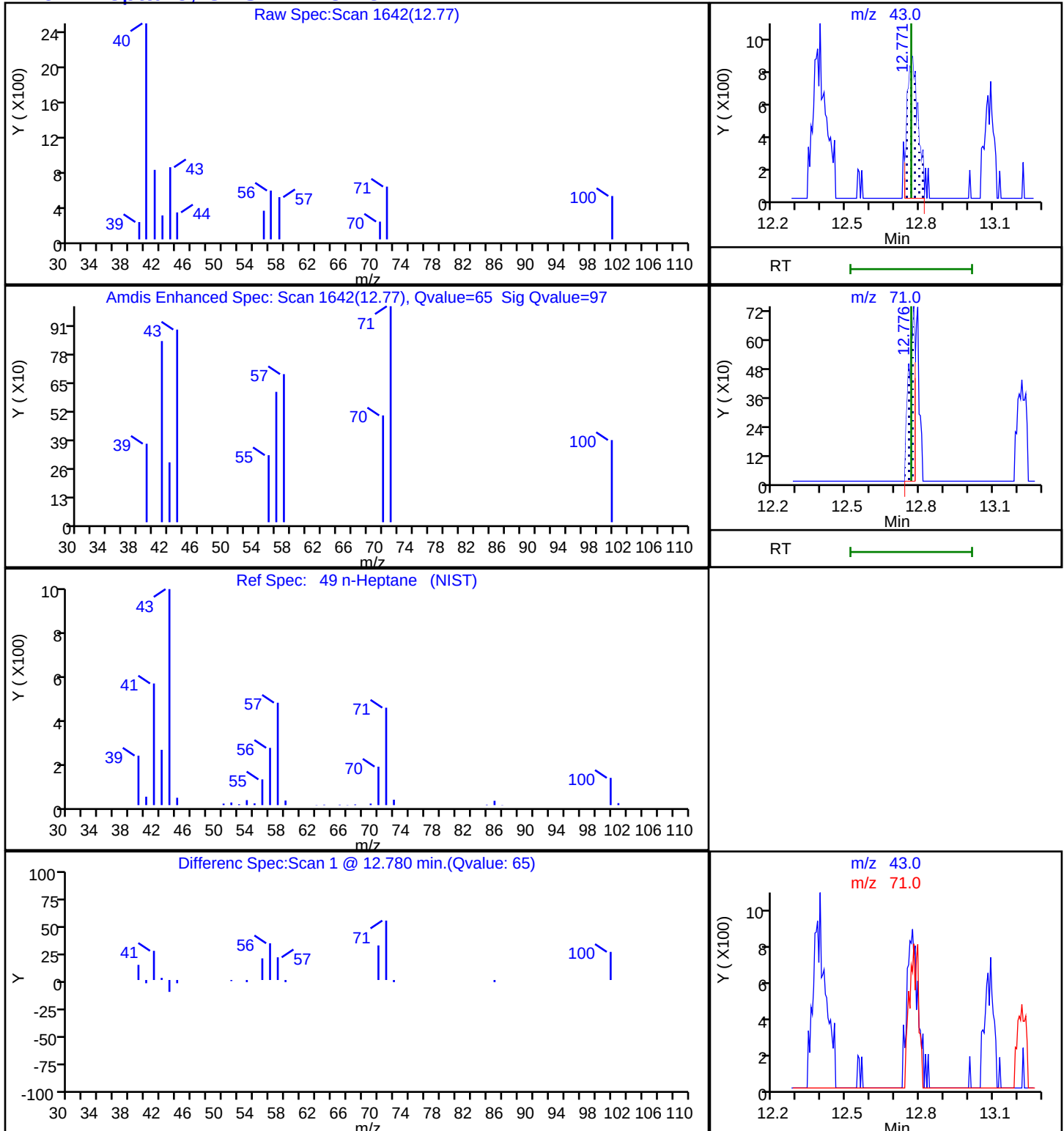
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

49 n-Heptane, CAS: 142-82-5

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D

Injection Date: 21-Feb-2020 14:49:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 200.000 mL

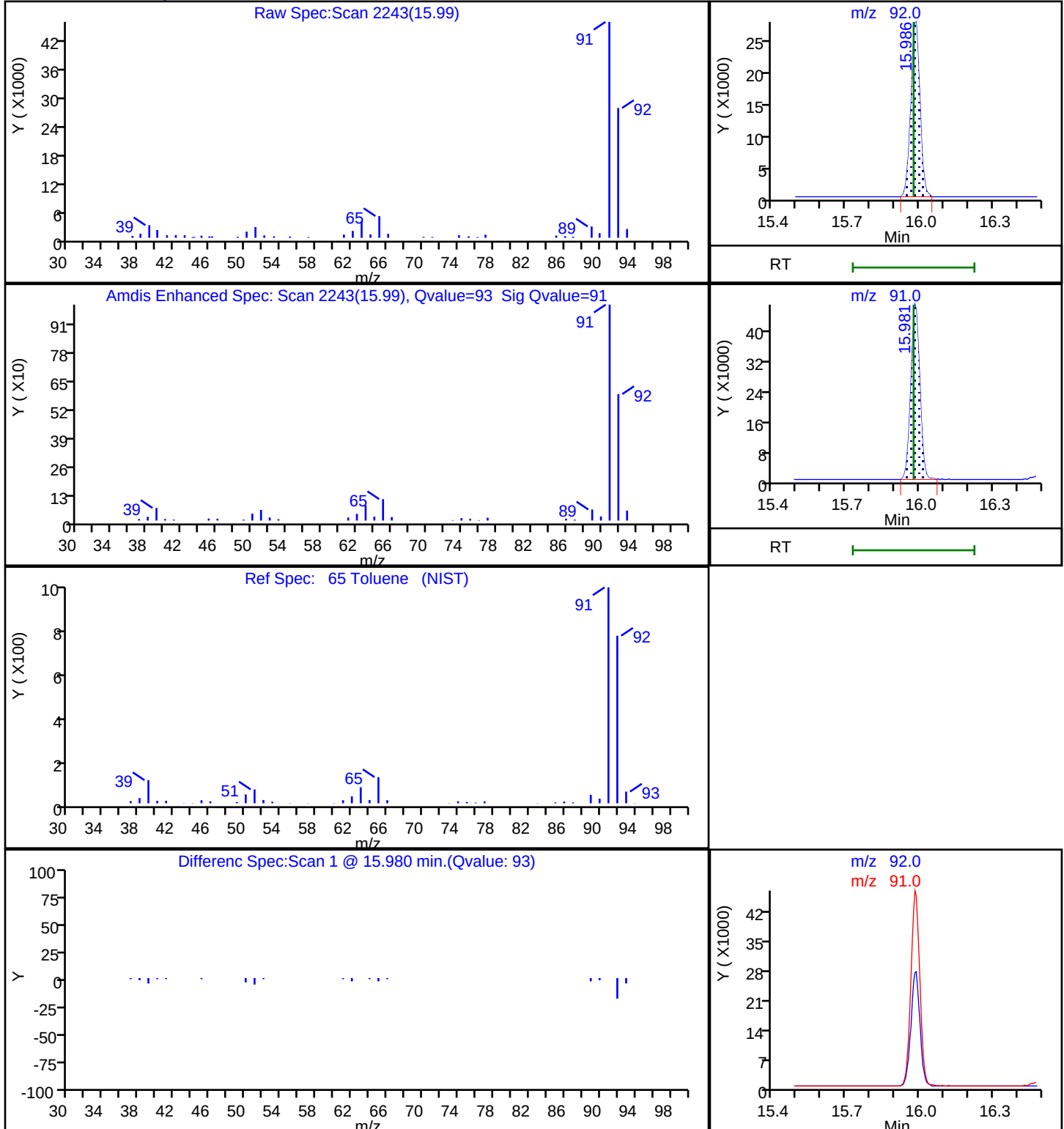
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

65 Toluene, CAS: 108-88-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D

Injection Date: 21-Feb-2020 14:49:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 200.000 mL

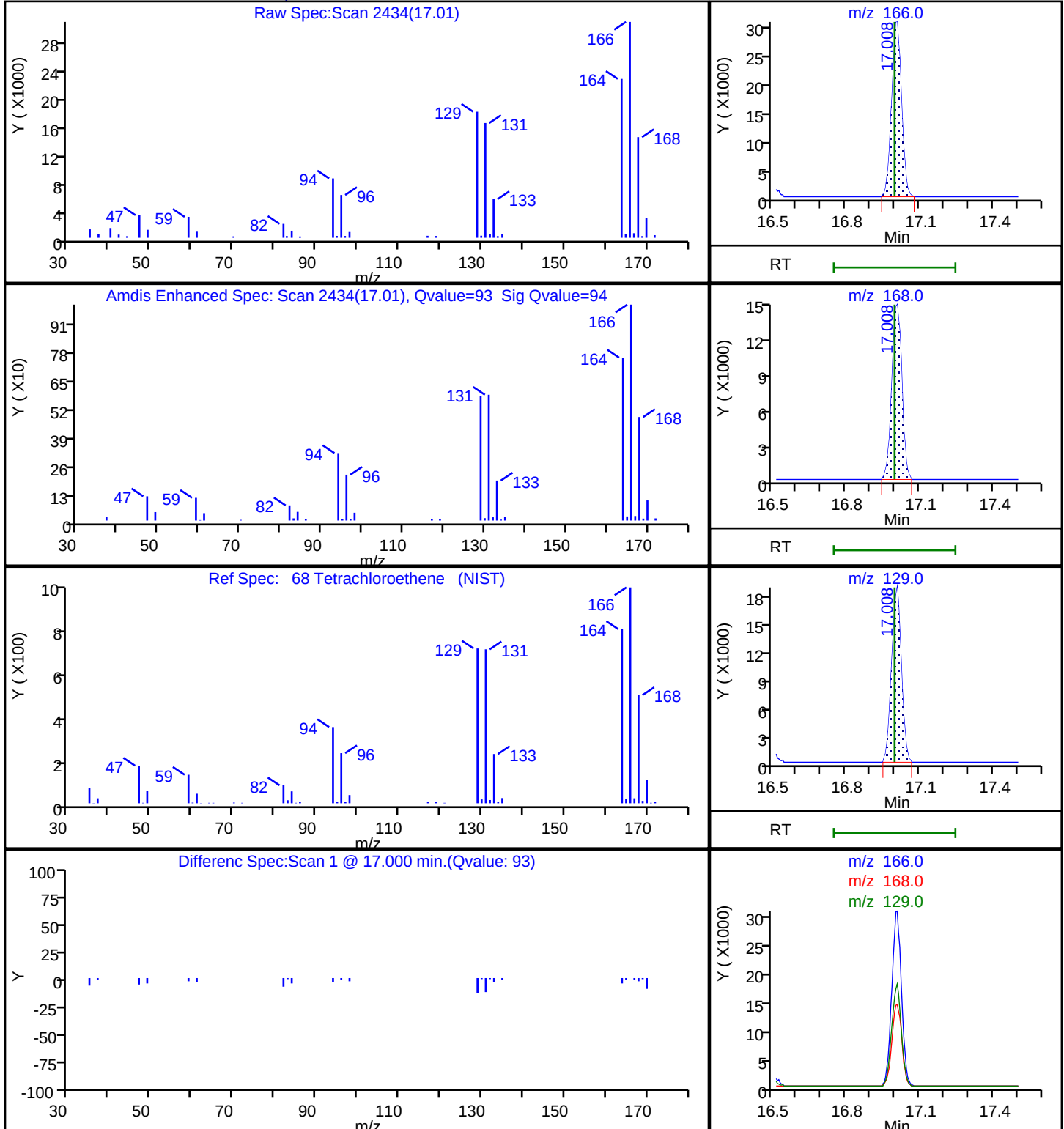
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

68 Tetrachloroethene, CAS: 127-18-4

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D

Injection Date: 21-Feb-2020 14:49:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 200.000 mL

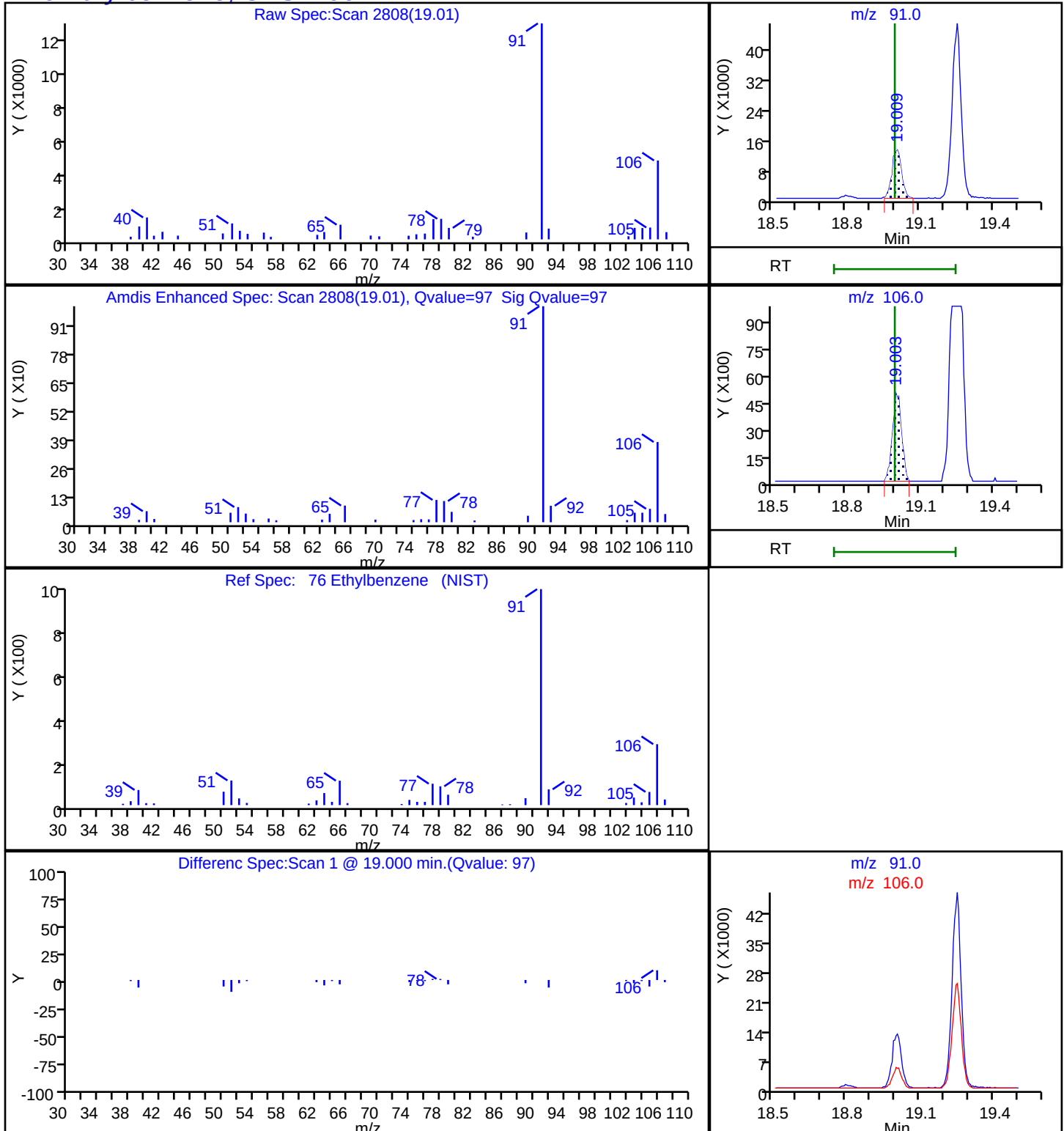
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 Ethylbenzene, CAS: 100-41-4

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D

Injection Date: 21-Feb-2020 14:49:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 200.000 mL

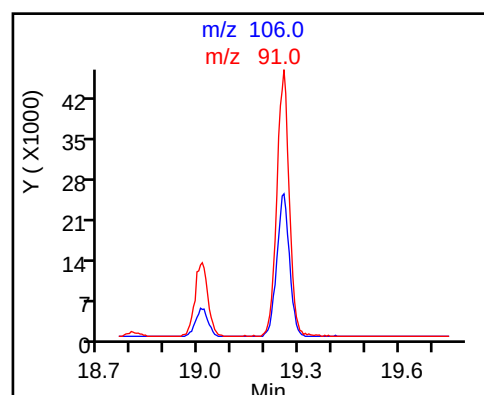
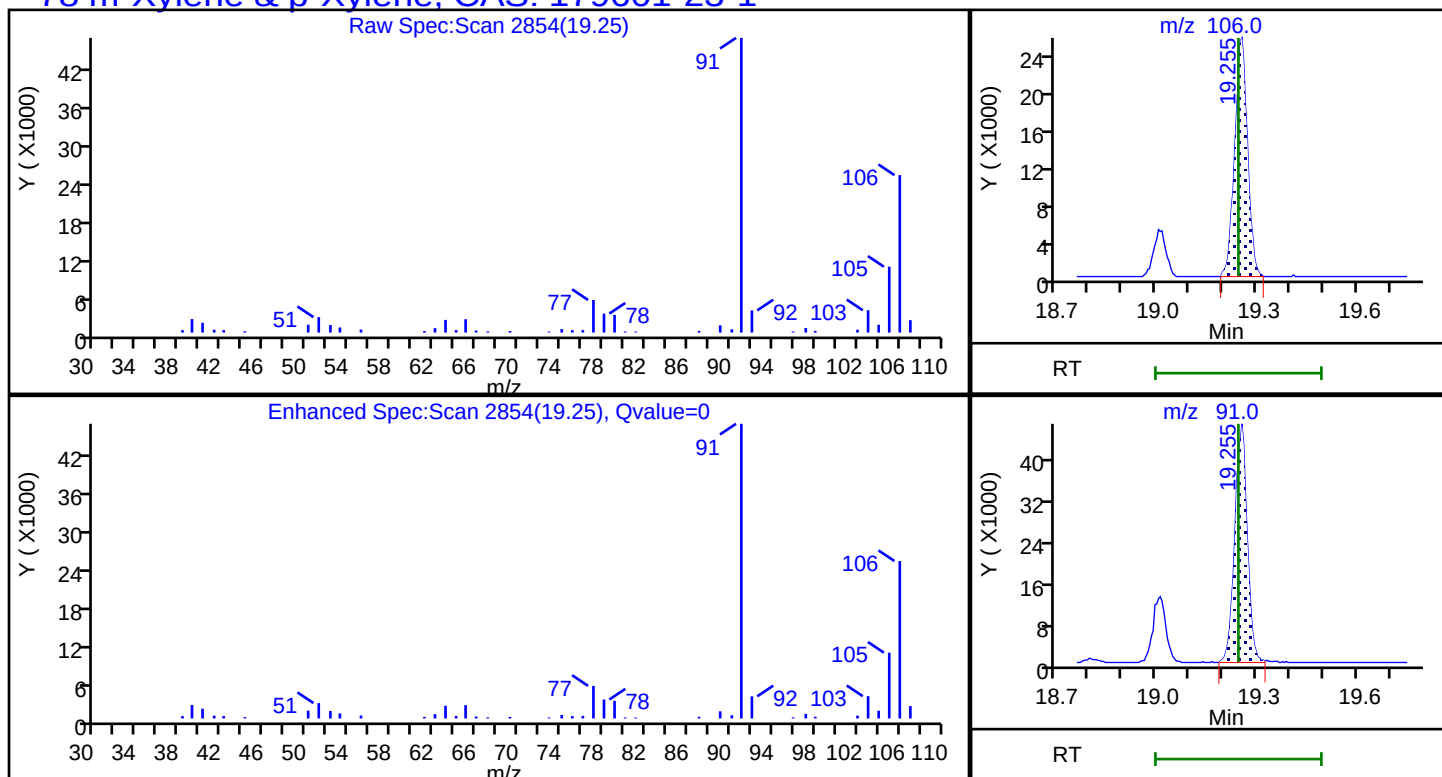
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

78 m-Xylene & p-Xylene, CAS: 179601-23-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D

Injection Date: 21-Feb-2020 14:49:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

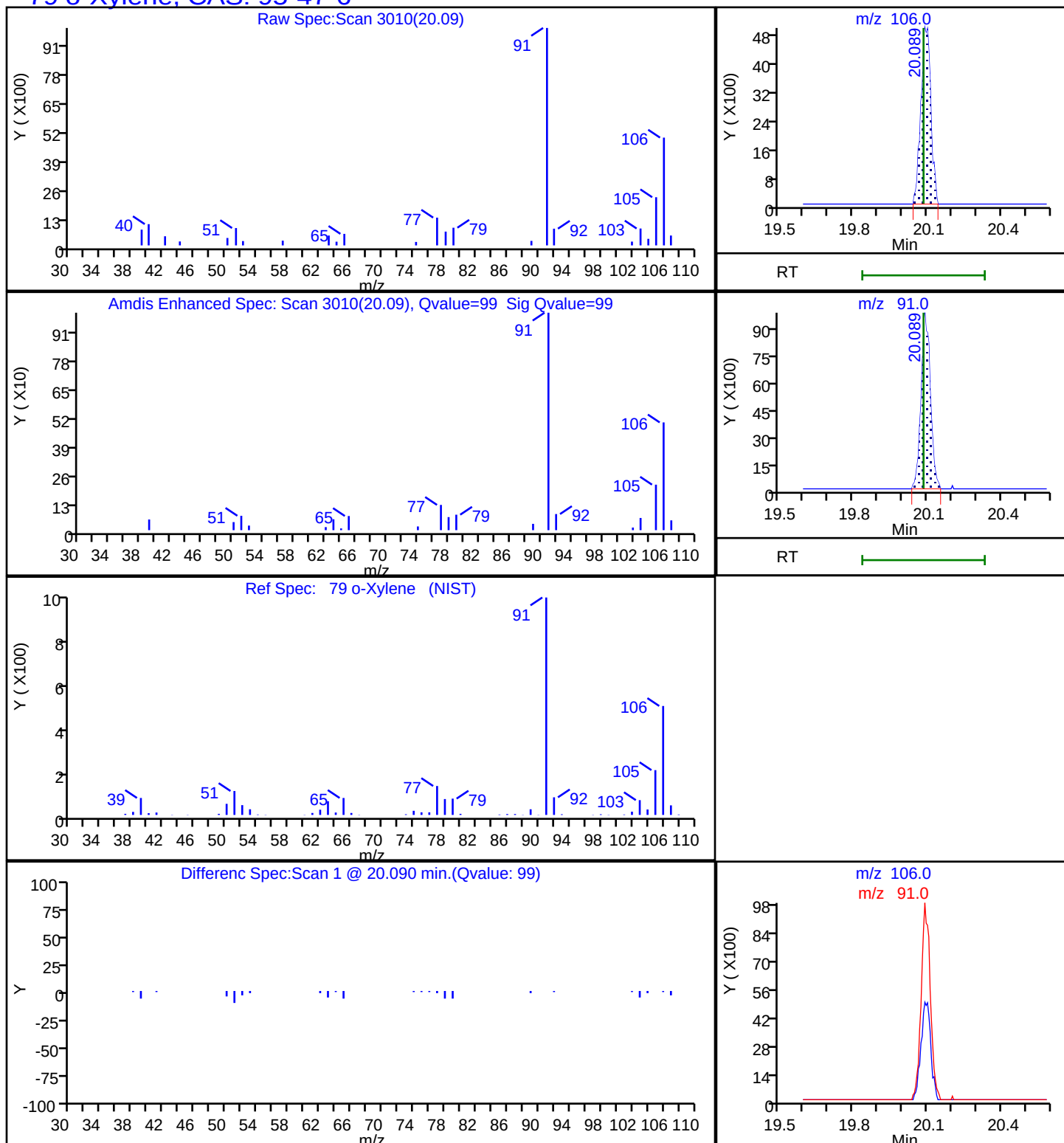
Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

79 o-Xylene, CAS: 95-47-6



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D

Injection Date: 21-Feb-2020 14:49:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 200.000 mL

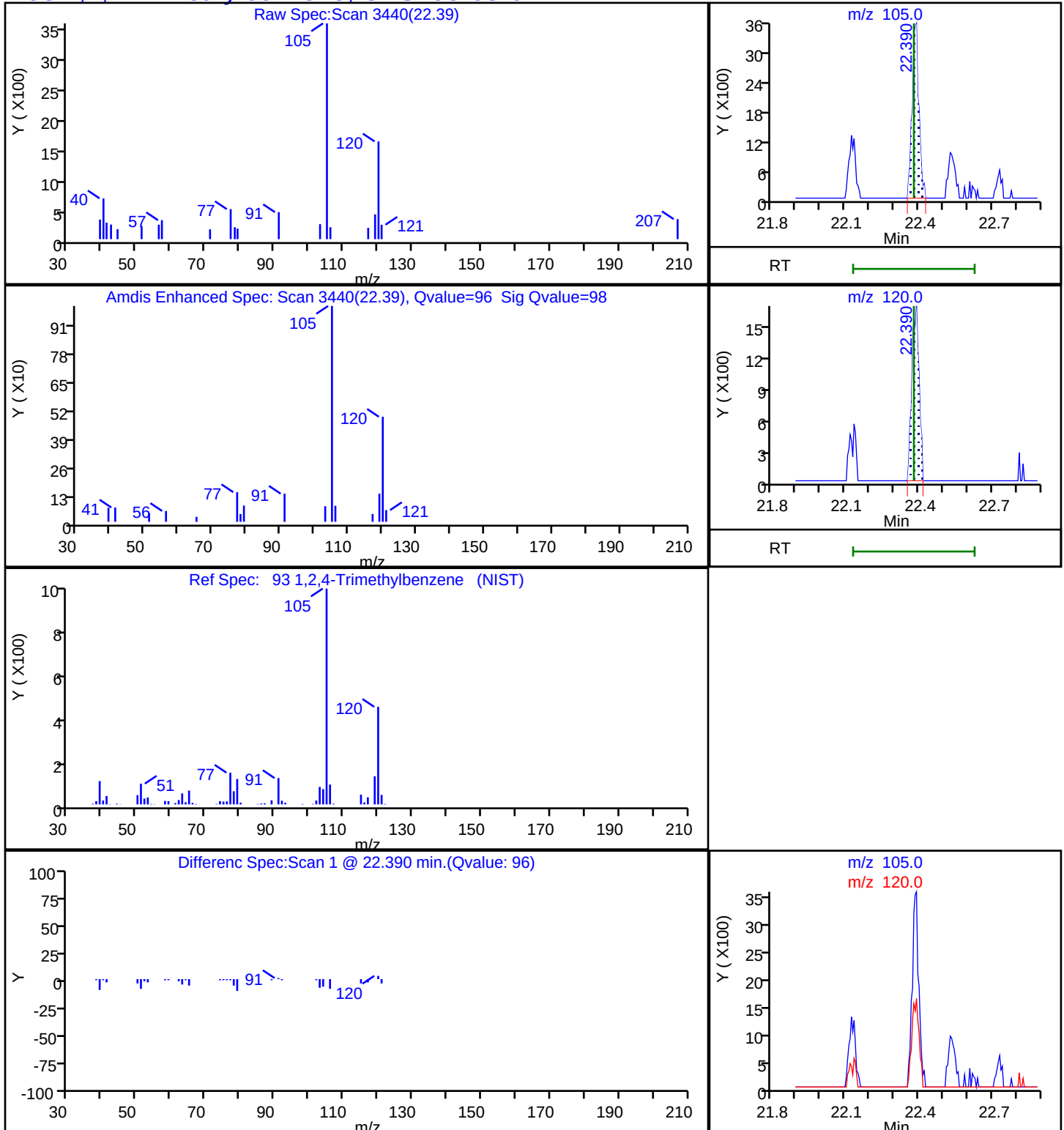
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

93 1,2,4-Trimethylbenzene, CAS: 95-63-6

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D

Injection Date: 21-Feb-2020 14:49:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 10 Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

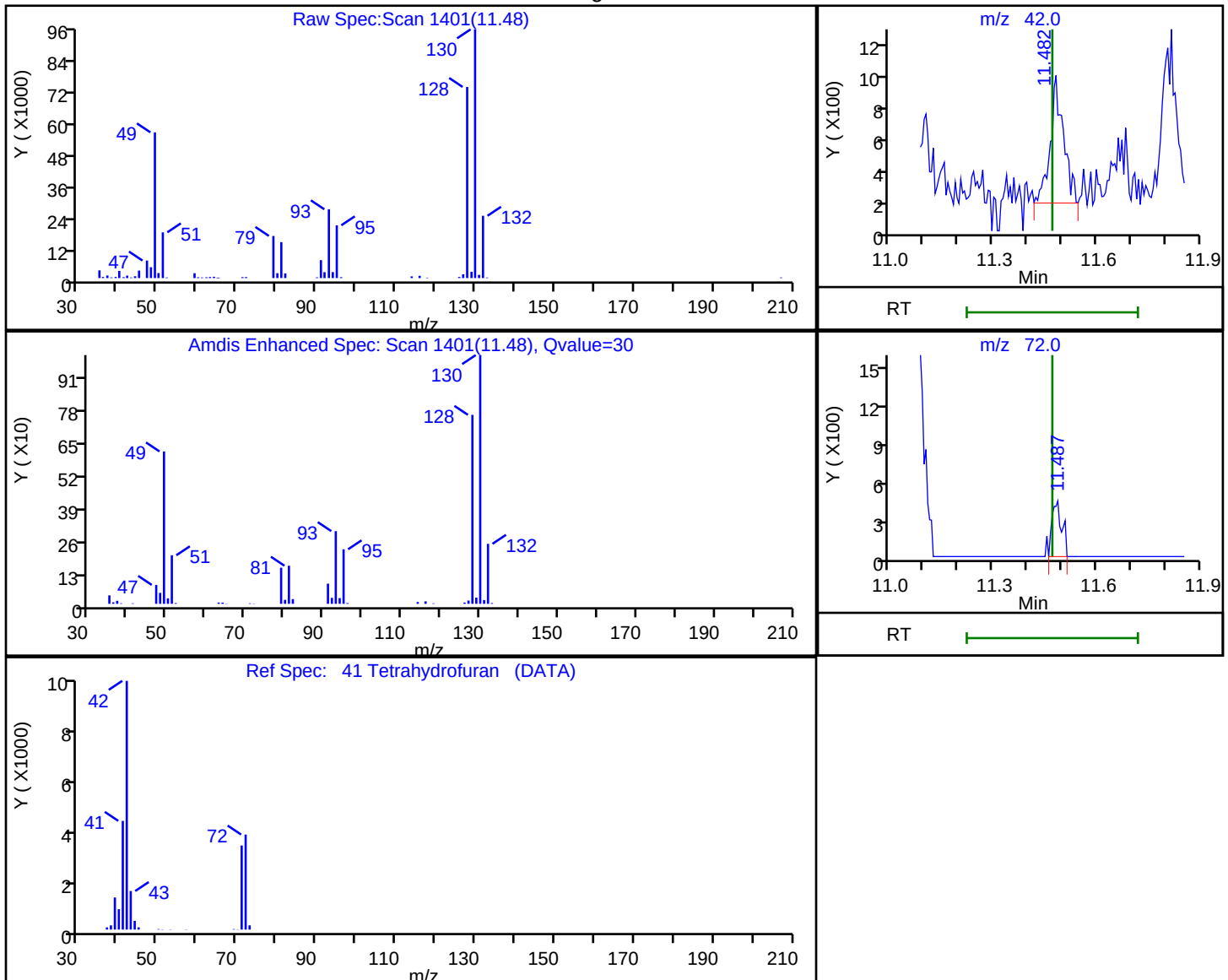
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

41 Tetrahydrofuran, CAS: 109-99-9

Processing Results



RT	Mass	Response	Amount
11.48	42.00	2082	0.111261
11.49	72.00	823	

Reviewer: puangmaleek, 24-Feb-2020 10:45:06

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D

Injection Date: 21-Feb-2020 14:49:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

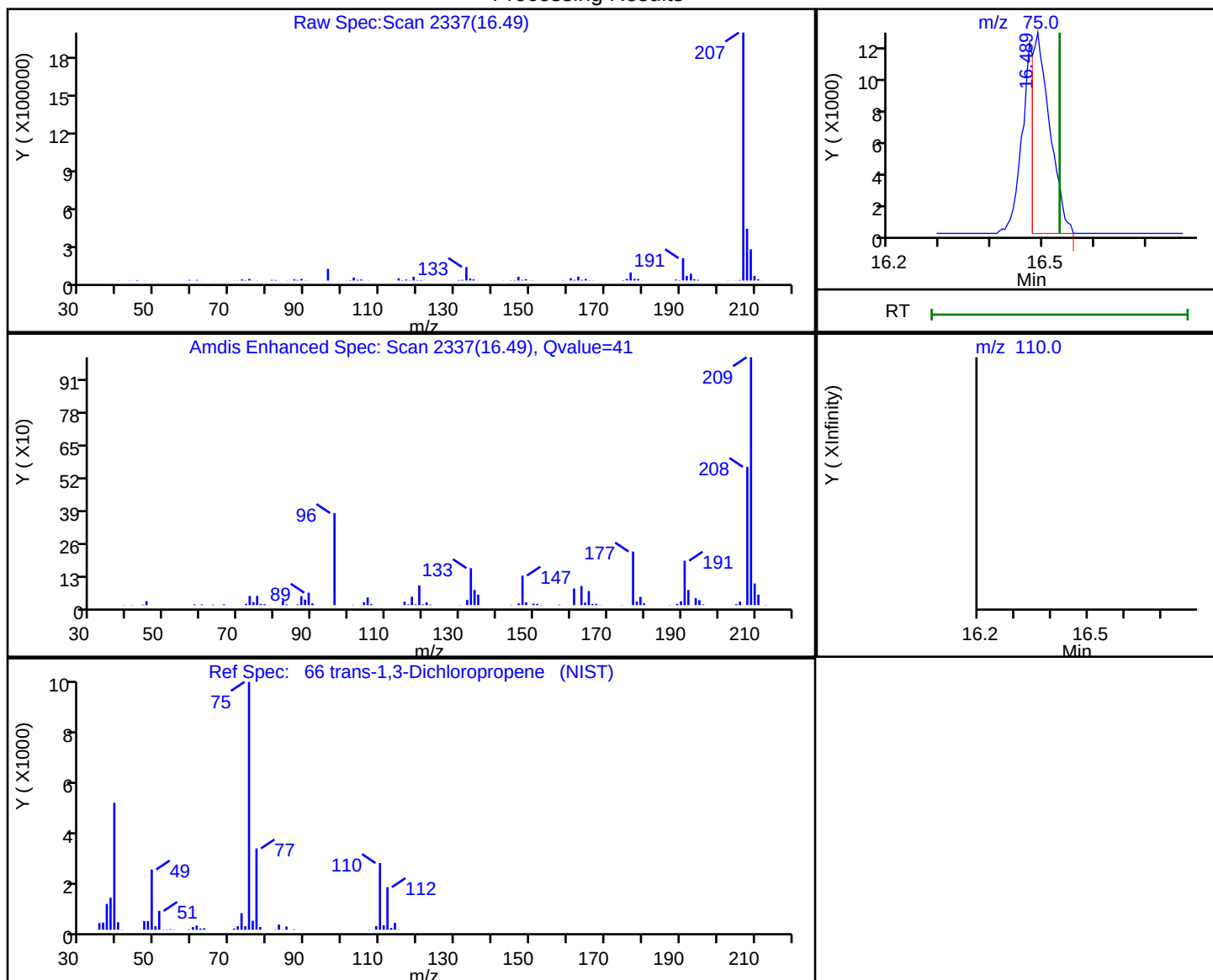
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

66 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
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16.53	110.00	0	

Reviewer: puangmaleek, 24-Feb-2020 10:45:26

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D

Injection Date: 21-Feb-2020 14:49:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 10 Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

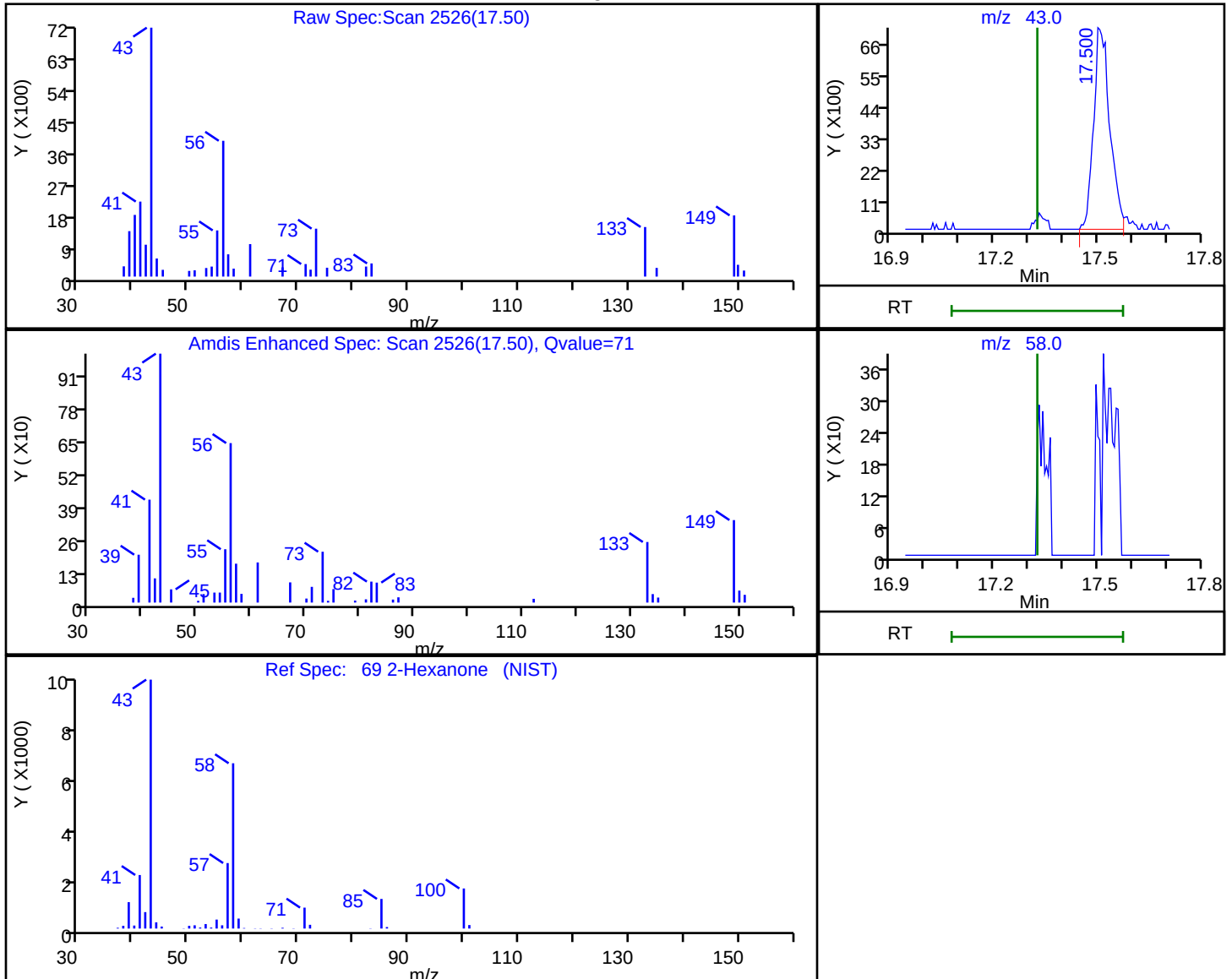
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

69 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
17.50	43.00	23418	0.497382
17.32	58.00	0	

Reviewer: puangmaleek, 24-Feb-2020 10:45:29

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

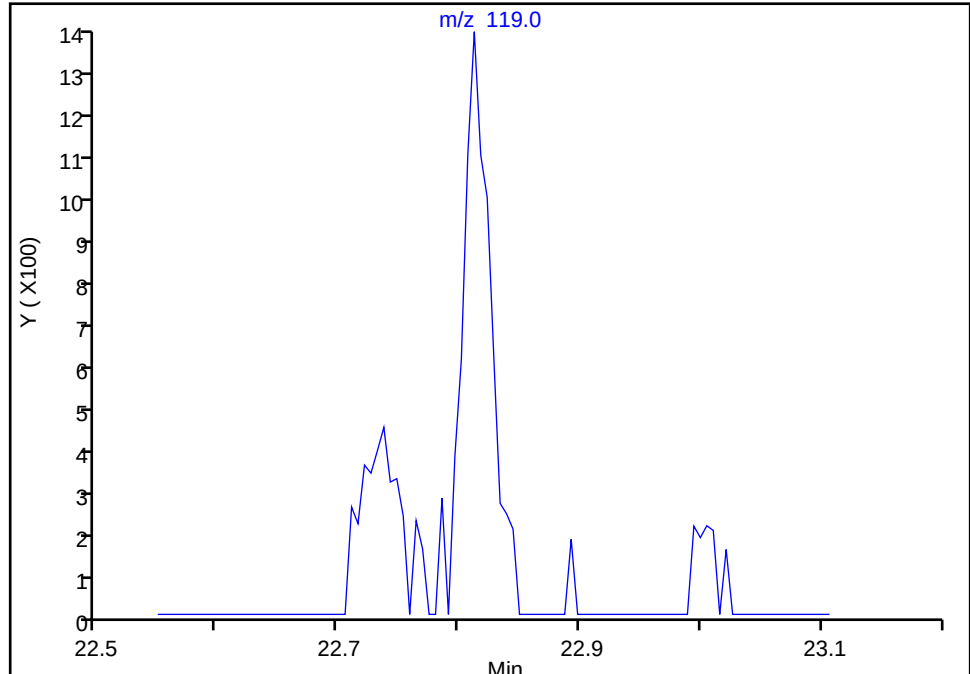
Data File:	\\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D		
Injection Date:	21-Feb-2020 14:49:30	Instrument ID:	CHX.i
Lims ID:	200-52685-A-7	Lab Sample ID:	200-52685-7
Client ID:	SV-DUP-021420		
Operator ID:	ggg	ALS Bottle#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	10

95 4-Isopropyltoluene, CAS: 99-87-6

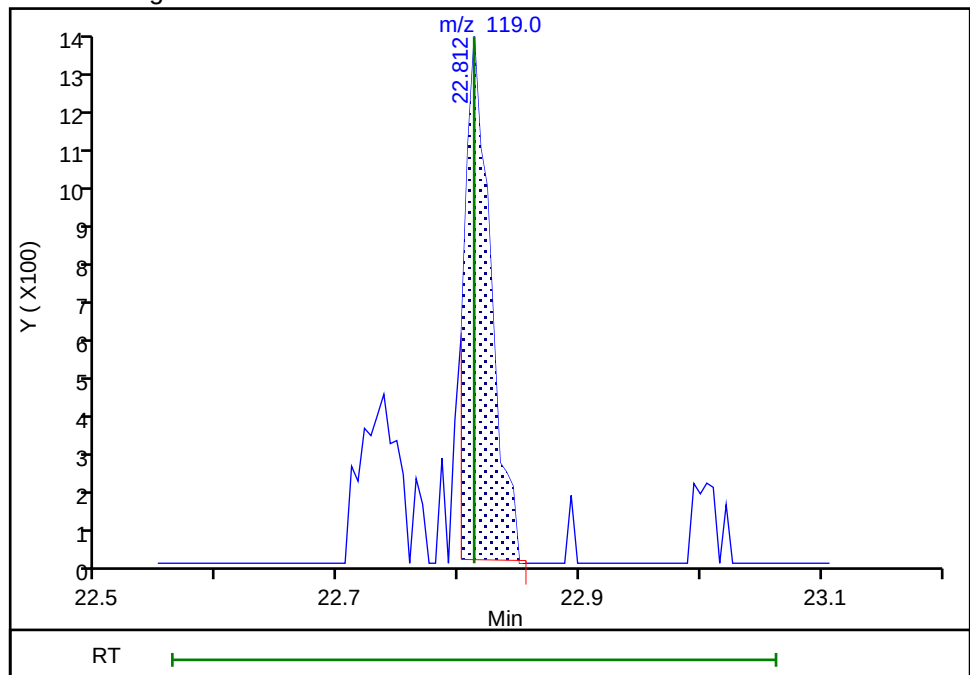
Signal: 1

Not Detected
Expected RT: 22.81

Processing Integration Results



Manual Integration Results



Reviewer: puangmaleek, 24-Feb-2020 10:46:02

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-10.D

Injection Date: 21-Feb-2020 14:49:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

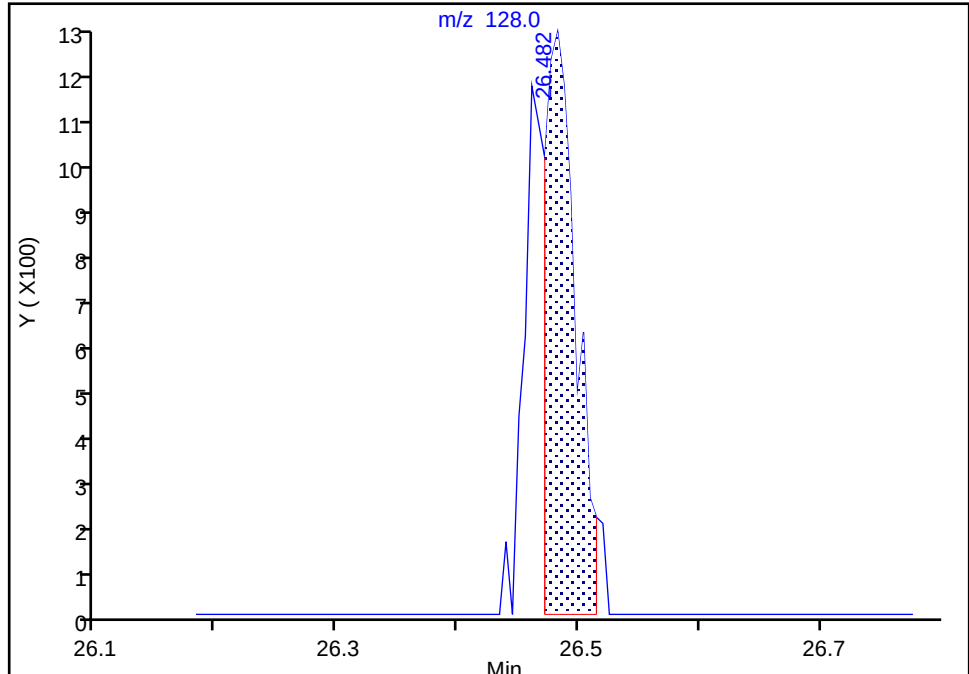
Detector: MS SCAN

105 Naphthalene, CAS: 91-20-3

Signal: 1

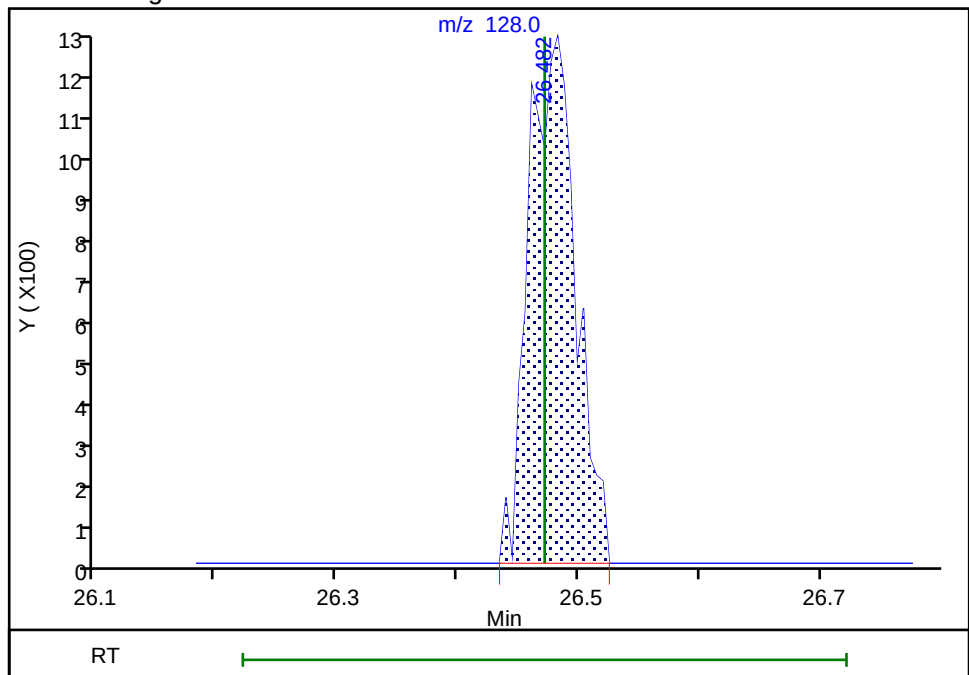
RT: 26.48
Area: 2173
Amount: 0.016189
Amount Units: ppb v/v

Processing Integration Results



RT: 26.48
Area: 3282
Amount: 0.024452
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 24-Feb-2020 10:38:00

Audit Action: Manually Integrated

Audit Reason: Assign Peak

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: SV-DUP-021420 DL Lab Sample ID: 200-52685-7 DL

Matrix: Air Lab File ID: 40114-11.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:05

Sample wt/vol: 10 (mL) Date Analyzed: 02/21/2020 15:39

Soil Aliquot Vol: _____ Dilution Factor: 20

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

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	ND		10	2.2
75-45-6	Freon 22	86.47	ND		10	2.4
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		4.0	0.70
74-87-3	Chloromethane	50.49	ND		10	2.2
106-97-8	n-Butane	58.12	15		10	2.2
75-01-4	Vinyl chloride	62.50	ND		1.2	0.88
106-99-0	1,3-Butadiene	54.09	ND		4.0	1.1
74-83-9	Bromomethane	94.94	ND		4.0	1.0
75-00-3	Chloroethane	64.52	ND		10	1.1
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		4.0	1.0
75-69-4	Trichlorofluoromethane	137.37	ND		4.0	1.2
76-13-1	Freon TF	187.38	ND		4.0	0.76
75-35-4	1,1-Dichloroethene	96.94	ND		4.0	0.78
67-64-1	Acetone	58.08	65	J	100	24
67-63-0	Isopropyl alcohol	60.10	620		100	9.6
75-15-0	Carbon disulfide	76.14	ND		10	1.5
107-05-1	3-Chloropropene	76.53	ND		10	1.3
75-09-2	Methylene Chloride	84.93	ND		10	5.4
75-65-0	tert-Butyl alcohol	74.12	ND		100	0.76
1634-04-4	Methyl tert-butyl ether	88.15	ND		4.0	0.66
156-60-5	trans-1,2-Dichloroethene	96.94	ND		4.0	0.84
110-54-3	n-Hexane	86.17	ND		4.0	4.0
75-34-3	1,1-Dichloroethane	98.96	ND		4.0	0.82
78-93-3	Methyl Ethyl Ketone	72.11	ND		10	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	ND		4.0	0.90
540-59-0	1,2-Dichloroethene, Total	96.94	ND		8.0	0.84
67-66-3	Chloroform	119.38	ND		4.0	0.64
109-99-9	Tetrahydrofuran	72.11	ND		100	1.3
71-55-6	1,1,1-Trichloroethane	133.41	ND		4.0	0.72
110-82-7	Cyclohexane	84.16	ND		4.0	0.92
56-23-5	Carbon tetrachloride	153.81	ND		1.2	0.48
540-84-1	2,2,4-Trimethylpentane	114.23	ND		4.0	0.82
71-43-2	Benzene	78.11	ND		4.0	1.3
107-06-2	1,2-Dichloroethane	98.96	ND		4.0	0.64

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: SV-DUP-021420 DL Lab Sample ID: 200-52685-7 DL

Matrix: Air Lab File ID: 40114-11.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:05

Sample wt/vol: 10 (mL) Date Analyzed: 02/21/2020 15:39

Soil Aliquot Vol: _____ Dilution Factor: 20

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

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	ND		4.0	1.1
79-01-6	Trichloroethene	131.39	ND		1.2	0.70
80-62-6	Methyl methacrylate	100.12	ND		10	0.66
78-87-5	1,2-Dichloropropane	112.99	ND		4.0	0.66
123-91-1	1,4-Dioxane	88.11	ND		100	1.7
75-27-4	Bromodichloromethane	163.83	ND		4.0	0.70
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		4.0	0.64
108-10-1	methyl isobutyl ketone	100.16	ND		10	0.72
108-88-3	Toluene	92.14	ND		4.0	2.2
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		4.0	0.78
79-00-5	1,1,2-Trichloroethane	133.41	ND		4.0	0.72
127-18-4	Tetrachloroethene	165.83	ND		4.0	0.66
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		10	0.96
124-48-1	Dibromochloromethane	208.29	ND		4.0	0.72
106-93-4	1,2-Dibromoethane	187.87	ND		4.0	0.98
108-90-7	Chlorobenzene	112.56	ND		4.0	1.1
100-41-4	Ethylbenzene	106.17	ND		4.0	1.3
179601-23-1	m,p-Xylene	106.17	ND		10	2.0
95-47-6	Xylene, o-	106.17	ND		4.0	0.96
1330-20-7	Xylene (total)	106.17	ND		14	0.96
100-42-5	Styrene	104.15	ND		4.0	0.80
75-25-2	Bromoform	252.75	ND		4.0	0.96
98-82-8	Cumene	120.19	ND		4.0	0.70
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		4.0	0.84
103-65-1	n-Propylbenzene	120.19	ND		4.0	0.78
622-96-8	4-Ethyltoluene	120.20	ND		4.0	0.82
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		4.0	0.78
95-49-8	2-Chlorotoluene	126.59	ND		4.0	0.84
98-06-6	tert-Butylbenzene	134.22	ND		4.0	0.70
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		4.0	0.88
135-98-8	sec-Butylbenzene	134.22	ND		4.0	0.70
99-87-6	4-Isopropyltoluene	134.22	ND		4.0	0.78
541-73-1	1,3-Dichlorobenzene	147.00	ND		4.0	2.2
106-46-7	1,4-Dichlorobenzene	147.00	ND		4.0	2.4

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SV-DUP-021420 DL Lab Sample ID: 200-52685-7 DL
 Matrix: Air Lab File ID: 40114-11.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:05
 Sample wt/vol: 10 (mL) Date Analyzed: 02/21/2020 15:39
 Soil Aliquot Vol: _____ Dilution Factor: 20
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		4.0	1.7
104-51-8	n-Butylbenzene	134.22	ND		4.0	0.78
95-50-1	1,2-Dichlorobenzene	147.00	ND		4.0	1.9
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		10	4.4
87-68-3	Hexachlorobutadiene	260.76	ND		4.0	1.5
91-20-3	Naphthalene	128.17	ND		10	3.4

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: SV-DUP-021420 DL Lab Sample ID: 200-52685-7 DL

Matrix: Air Lab File ID: 40114-11.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:05

Sample wt/vol: 10 (mL) Date Analyzed: 02/21/2020 15:39

Soil Aliquot Vol: _____ Dilution Factor: 20

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

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	ND		49	11
75-45-6	Freon 22	86.47	ND		35	8.5
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		28	4.9
74-87-3	Chloromethane	50.49	ND		21	4.5
106-97-8	n-Butane	58.12	37		24	5.2
75-01-4	Vinyl chloride	62.50	ND		3.1	2.2
106-99-0	1,3-Butadiene	54.09	ND		8.8	2.5
74-83-9	Bromomethane	94.94	ND		16	4.0
75-00-3	Chloroethane	64.52	ND		26	2.8
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		17	4.5
75-69-4	Trichlorofluoromethane	137.37	ND		22	6.7
76-13-1	Freon TF	187.38	ND		31	5.8
75-35-4	1,1-Dichloroethene	96.94	ND		16	3.1
67-64-1	Acetone	58.08	150	J	240	57
67-63-0	Isopropyl alcohol	60.10	1500		250	24
75-15-0	Carbon disulfide	76.14	ND		31	4.6
107-05-1	3-Chloropropene	76.53	ND		31	4.0
75-09-2	Methylene Chloride	84.93	ND		35	19
75-65-0	tert-Butyl alcohol	74.12	ND		300	2.3
1634-04-4	Methyl tert-butyl ether	88.15	ND		14	2.4
156-60-5	trans-1,2-Dichloroethene	96.94	ND		16	3.3
110-54-3	n-Hexane	86.17	ND		14	14
75-34-3	1,1-Dichloroethane	98.96	ND		16	3.3
78-93-3	Methyl Ethyl Ketone	72.11	ND		29	4.2
156-59-2	cis-1,2-Dichloroethene	96.94	ND		16	3.6
540-59-0	1,2-Dichloroethene, Total	96.94	ND		32	3.3
67-66-3	Chloroform	119.38	ND		20	3.1
109-99-9	Tetrahydrofuran	72.11	ND		290	3.9
71-55-6	1,1,1-Trichloroethane	133.41	ND		22	3.9
110-82-7	Cyclohexane	84.16	ND		14	3.2
56-23-5	Carbon tetrachloride	153.81	ND		7.5	3.0
540-84-1	2,2,4-Trimethylpentane	114.23	ND		19	3.8
71-43-2	Benzene	78.11	ND		13	4.3
107-06-2	1,2-Dichloroethane	98.96	ND		16	2.6

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: SV-DUP-021420 DL Lab Sample ID: 200-52685-7 DL

Matrix: Air Lab File ID: 40114-11.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:05

Sample wt/vol: 10 (mL) Date Analyzed: 02/21/2020 15:39

Soil Aliquot Vol: _____ Dilution Factor: 20

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

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	ND		16	4.6
79-01-6	Trichloroethene	131.39	ND		6.4	3.8
80-62-6	Methyl methacrylate	100.12	ND		41	2.7
78-87-5	1,2-Dichloropropane	112.99	ND		18	3.1
123-91-1	1,4-Dioxane	88.11	ND		360	6.1
75-27-4	Bromodichloromethane	163.83	ND		27	4.7
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		18	2.9
108-10-1	methyl isobutyl ketone	100.16	ND		41	2.9
108-88-3	Toluene	92.14	ND		15	8.3
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		18	3.5
79-00-5	1,1,2-Trichloroethane	133.41	ND		22	3.9
127-18-4	Tetrachloroethene	165.83	ND		27	4.5
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		41	3.9
124-48-1	Dibromochloromethane	208.29	ND		34	6.1
106-93-4	1,2-Dibromoethane	187.87	ND		31	7.5
108-90-7	Chlorobenzene	112.56	ND		18	5.2
100-41-4	Ethylbenzene	106.17	ND		17	5.5
179601-23-1	m,p-Xylene	106.17	ND		43	8.7
95-47-6	Xylene, o-	106.17	ND		17	4.2
1330-20-7	Xylene (total)	106.17	ND		61	4.2
100-42-5	Styrene	104.15	ND		17	3.4
75-25-2	Bromoform	252.75	ND		41	9.9
98-82-8	Cumene	120.19	ND		20	3.4
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		27	5.8
103-65-1	n-Propylbenzene	120.19	ND		20	3.8
622-96-8	4-Ethyltoluene	120.20	ND		20	4.0
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		20	3.8
95-49-8	2-Chlorotoluene	126.59	ND		21	4.3
98-06-6	tert-Butylbenzene	134.22	ND		22	3.8
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		20	4.3
135-98-8	sec-Butylbenzene	134.22	ND		22	3.8
99-87-6	4-Isopropyltoluene	134.22	ND		22	4.3
541-73-1	1,3-Dichlorobenzene	147.00	ND		24	13
106-46-7	1,4-Dichlorobenzene	147.00	ND		24	14

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SV-DUP-021420 DL Lab Sample ID: 200-52685-7 DL
 Matrix: Air Lab File ID: 40114-11.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:05
 Sample wt/vol: 10 (mL) Date Analyzed: 02/21/2020 15:39
 Soil Aliquot Vol: _____ Dilution Factor: 20
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		21	8.8
104-51-8	n-Butylbenzene	134.22	ND		22	4.3
95-50-1	1,2-Dichlorobenzene	147.00	ND		24	12
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		74	33
87-68-3	Hexachlorobutadiene	260.76	ND		43	16
91-20-3	Naphthalene	128.17	ND		52	18

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-11.D
 Lims ID: 200-52685-A-7
 Client ID: SV-DUP-021420
 Sample Type: Client
 Inject. Date: 21-Feb-2020 15:39:30 ALS Bottle#: 11 Worklist Smp#: 11
 Purge Vol: 200.000 mL Dil. Factor: 20.0000
 Sample Info: 200-0040114-011
 Operator ID: ggg Instrument ID: CHX.i
 Method: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 24-Feb-2020 10:47:39 Calib Date: 22-Jan-2020 04:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-16.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0337

First Level Reviewer: puangmaleek

Date: 24-Feb-2020 10:47:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85		4.185				ND	
3 Chlorodifluoromethane	51		4.249				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		4.516				ND	
5 Chloromethane	50	4.725	4.725	0.021	96	2434	0.0894	M
6 Butane	43	4.950	4.934	0.016	94	26145	0.7722	
7 Vinyl chloride	62		4.993				ND	
8 Butadiene	54		5.083				ND	U
10 Bromomethane	94		5.870				ND	
11 Chloroethane	64		6.121				ND	
13 Vinyl bromide	106		6.539				ND	
14 Trichlorofluoromethane	101		6.630				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		7.689				ND	
21 1,1-Dichloroethene	96		7.753				ND	
22 Acetone	43	7.983	7.967	0.016	98	104680	3.25	
23 Carbon disulfide	76		8.149				ND	
24 Isopropyl alcohol	45	8.224	8.218	0.006	100	852454	31.0	
25 3-Chloro-1-propene	41		8.491				ND	
27 Methylene Chloride	49		8.775				ND	
28 2-Methyl-2-propanol	59		8.941				ND	
29 Methyl tert-butyl ether	73		9.128				ND	
31 trans-1,2-Dichloroethene	61		9.181				ND	
33 Hexane	57		9.518				ND	
S 30 1,2-Dichloroethene, Total	61		9.665				ND	
34 1,1-Dichloroethane	63		10.000				ND	
37 cis-1,2-Dichloroethene	96		11.032				ND	
38 2-Butanone (MEK)	72		11.064				ND	
* 40 Chlorobromomethane	128	11.471	11.466	0.005	75	216617	10.0	
41 Tetrahydrofuran	42		11.471				ND	
42 Chloroform	83		11.578				ND	
43 Cyclohexane	84		11.808				ND	
44 1,1,1-Trichloroethane	97		11.835				ND	
45 Carbon tetrachloride	117		12.059				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
46 Isooctane	57		12.423				ND	
47 Benzene	78		12.482				ND	
48 1,2-Dichloroethane	62		12.648				ND	
49 n-Heptane	43		12.766				ND	
* 50 1,4-Difluorobenzene	114	13.220	13.220	0.000	93	967973	10.0	
53 Trichloroethene	95		13.638				ND	
54 1,2-Dichloropropane	63		14.130				ND	
55 Methyl methacrylate	69		14.248				ND	
56 1,4-Dioxane	88		14.317				ND	
58 Dichlorobromomethane	83		14.617				ND	
60 cis-1,3-Dichloropropene	75		15.446				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.692				ND	
65 Toluene	92	15.975	15.975	0.000	89	1395	0.0260	
66 trans-1,3-Dichloropropene	75		16.532				ND	
67 1,1,2-Trichloroethane	83		16.901				ND	
68 Tetrachloroethene	166	16.997	16.997	0.000	91	2086	0.0312	M
69 2-Hexanone	43		17.324				ND	
71 Chlorodibromomethane	129		17.650				ND	
72 Ethylene Dibromide	107		17.917				ND	
* 74 Chlorobenzene-d5	117	18.795	18.800	-0.005	85	841972	10.0	
75 Chlorobenzene	112		18.859				ND	
76 Ethylbenzene	91		18.998				ND	
78 m-Xylene & p-Xylene	106	19.233	19.244	-0.011	0	702	0.0128	
S 73 Xylenes, Total	106				0		0.0128	7
79 o-Xylene	106		20.084				ND	
80 Styrene	104		20.138				ND	
81 Bromoform	173		20.576				ND	
82 Isopropylbenzene	105		20.769				ND	
84 1,1,2,2-Tetrachloroethane	83		21.438				ND	
85 N-Propylbenzene	91		21.496				ND	
88 4-Ethyltoluene	105		21.684				ND	
89 2-Chlorotoluene	91		21.700				ND	
90 1,3,5-Trimethylbenzene	105		21.791				ND	
92 tert-Butylbenzene	119		22.283				ND	
93 1,2,4-Trimethylbenzene	105		22.379				ND	
94 sec-Butylbenzene	105		22.609				ND	
95 4-Isopropyltoluene	119		22.812				ND	
96 1,3-Dichlorobenzene	146		22.850				ND	
97 1,4-Dichlorobenzene	146		22.984				ND	
98 Benzyl chloride	91		23.182				ND	
100 n-Butylbenzene	91		23.385				ND	
101 1,2-Dichlorobenzene	146		23.513				ND	
103 1,2,4-Trichlorobenzene	180		25.995				ND	
104 Hexachlorobutadiene	225		26.172				ND	
105 Naphthalene	128		26.472				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-11.D

Injection Date: 21-Feb-2020 15:39:30

Instrument ID: CHX.i

Operator ID: ggg

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Worklist Smp#: 11

Client ID: SV-DUP-021420

Purge Vol: 200.000 mL

Dil. Factor: 20.0000

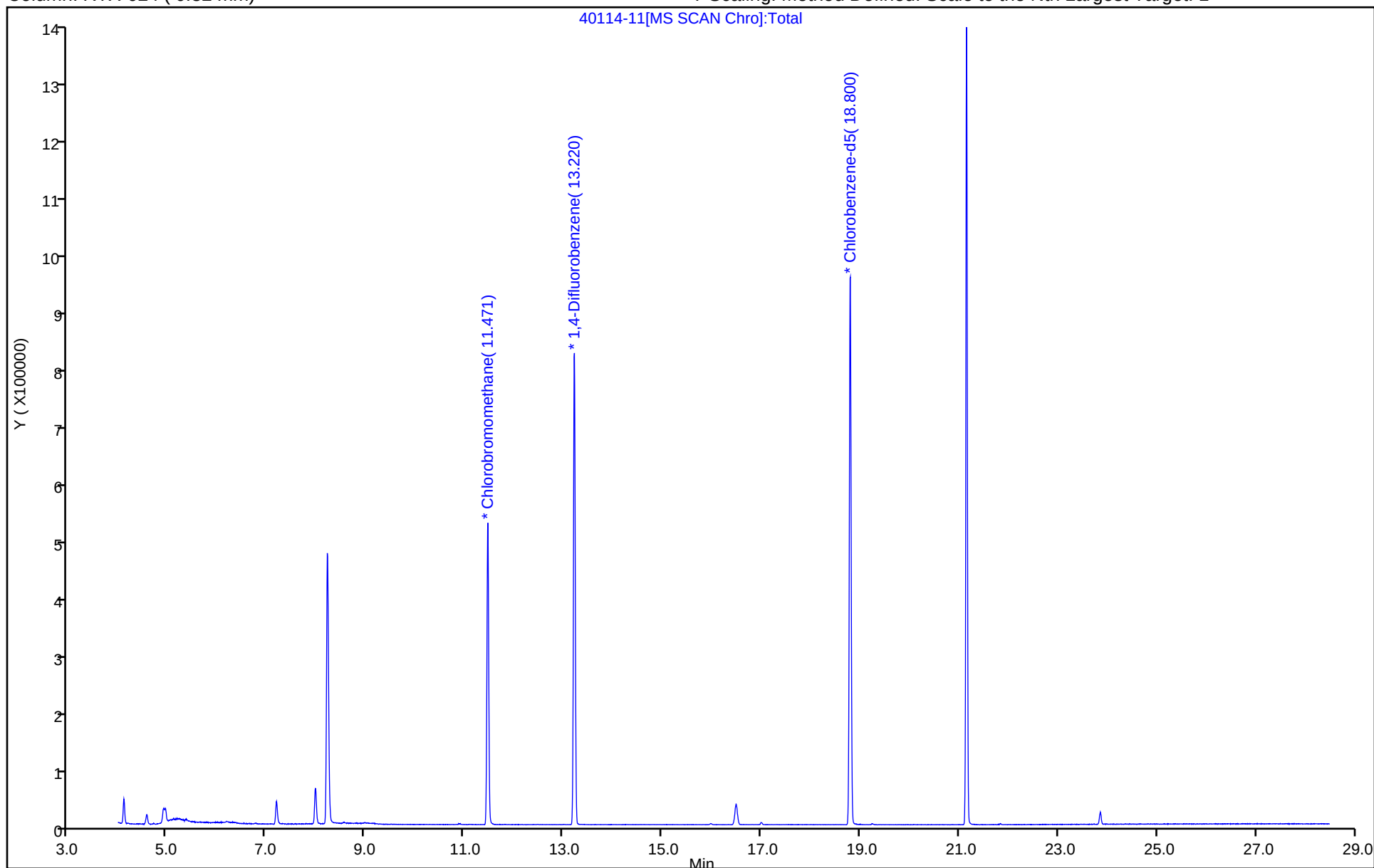
ALS Bottle#: 11

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-11.D

Injection Date: 21-Feb-2020 15:39:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 11

Worklist Smp#: 11

Purge Vol: 200.000 mL

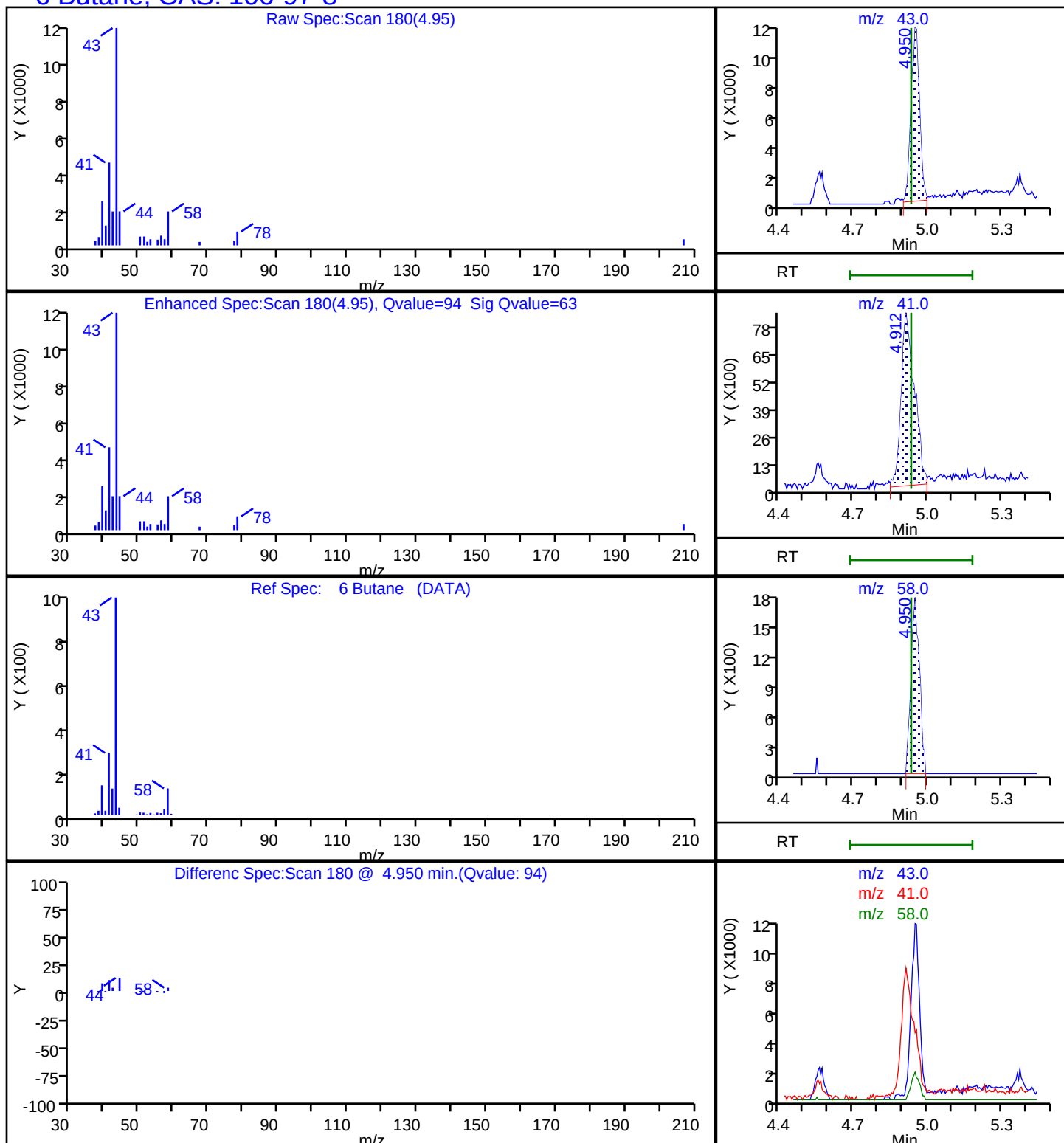
Dil. Factor: 20.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

6 Butane, CAS: 106-97-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-11.D

Injection Date: 21-Feb-2020 15:39:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 11

Worklist Smp#: 11

Purge Vol: 200.000 mL

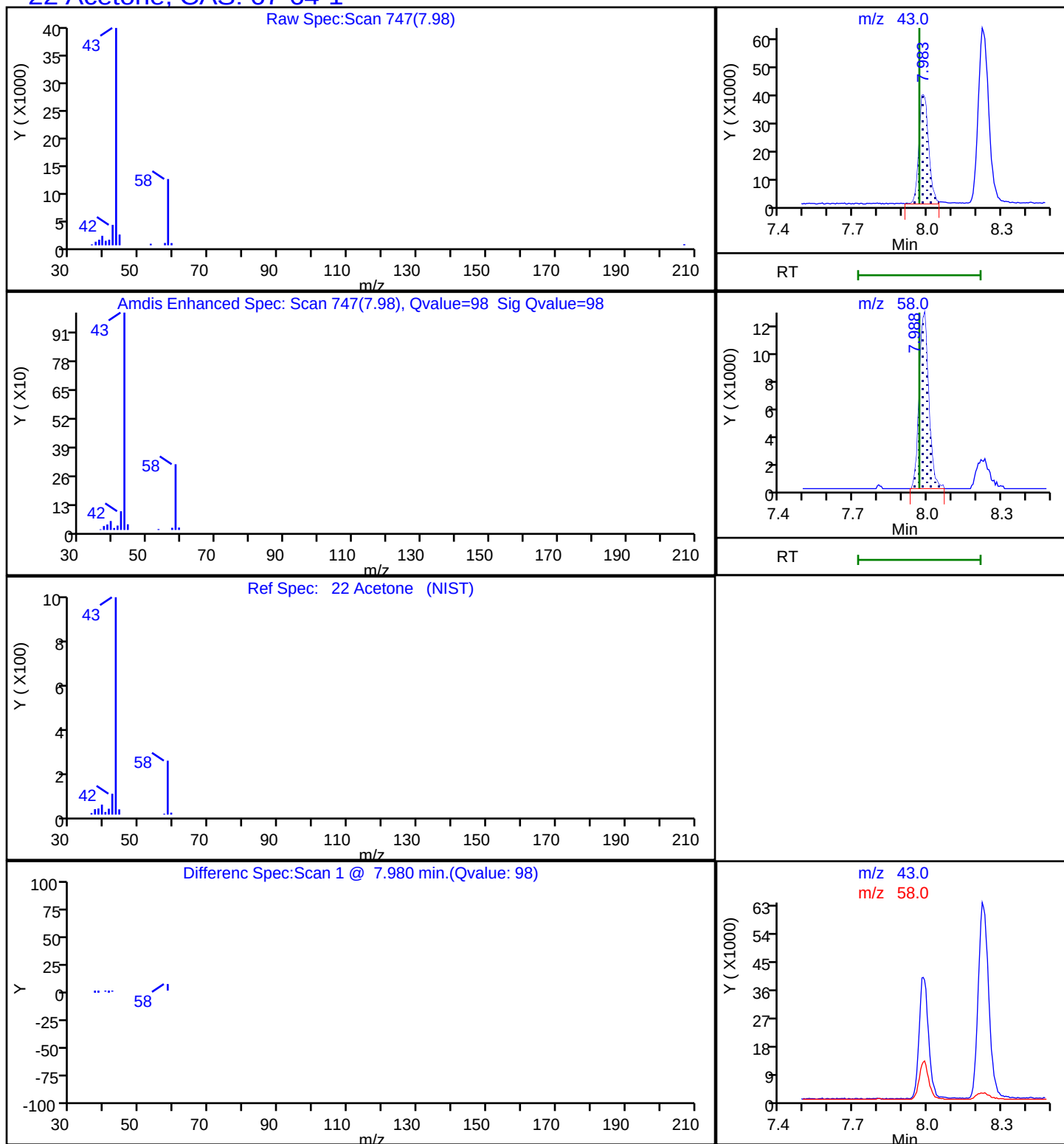
Dil. Factor: 20.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

22 Acetone, CAS: 67-64-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-11.D

Injection Date: 21-Feb-2020 15:39:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 11

Worklist Smp#: 11

Purge Vol: 200.000 mL

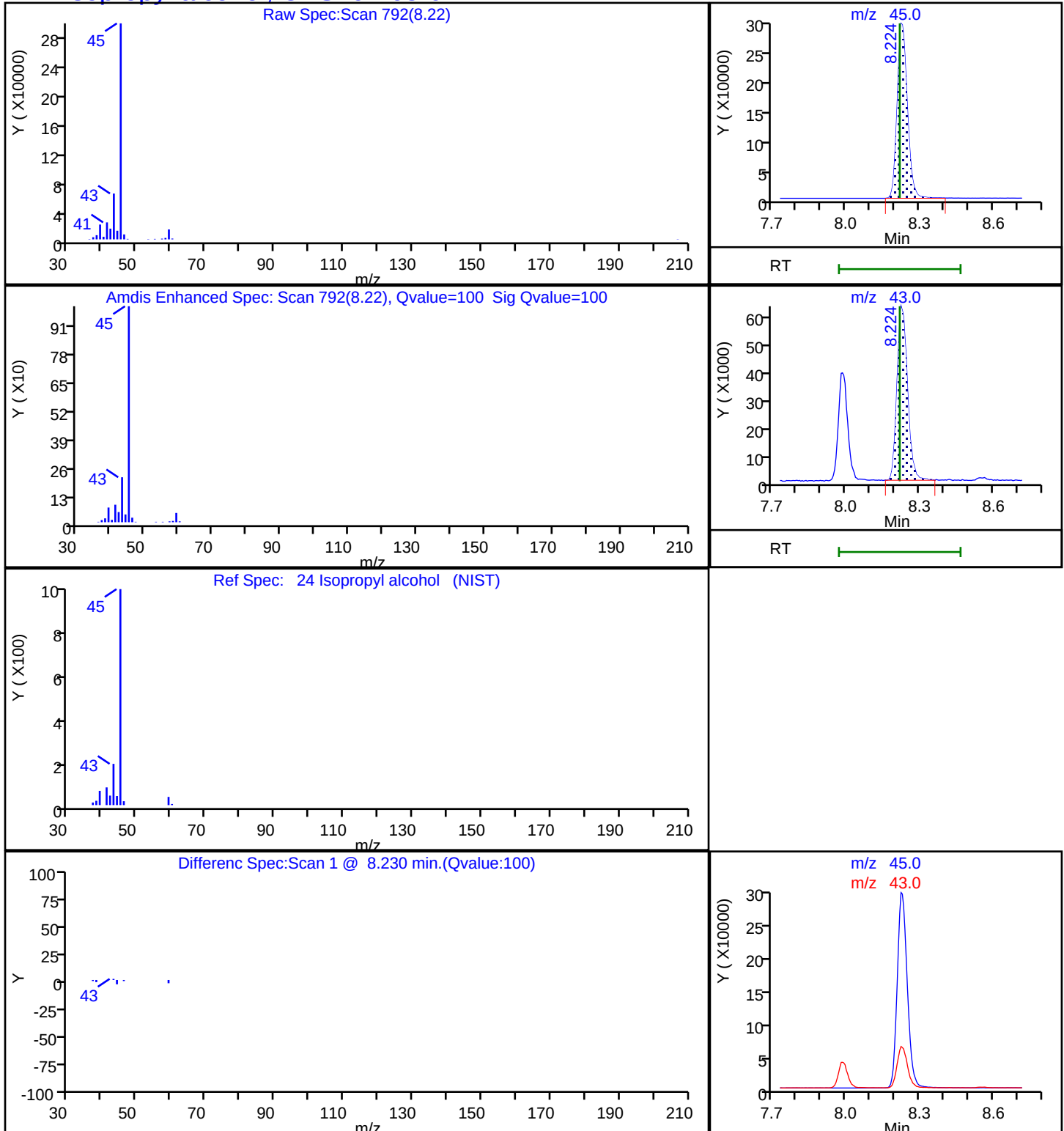
Dil. Factor: 20.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

Eurofins TestAmerica, Burlington

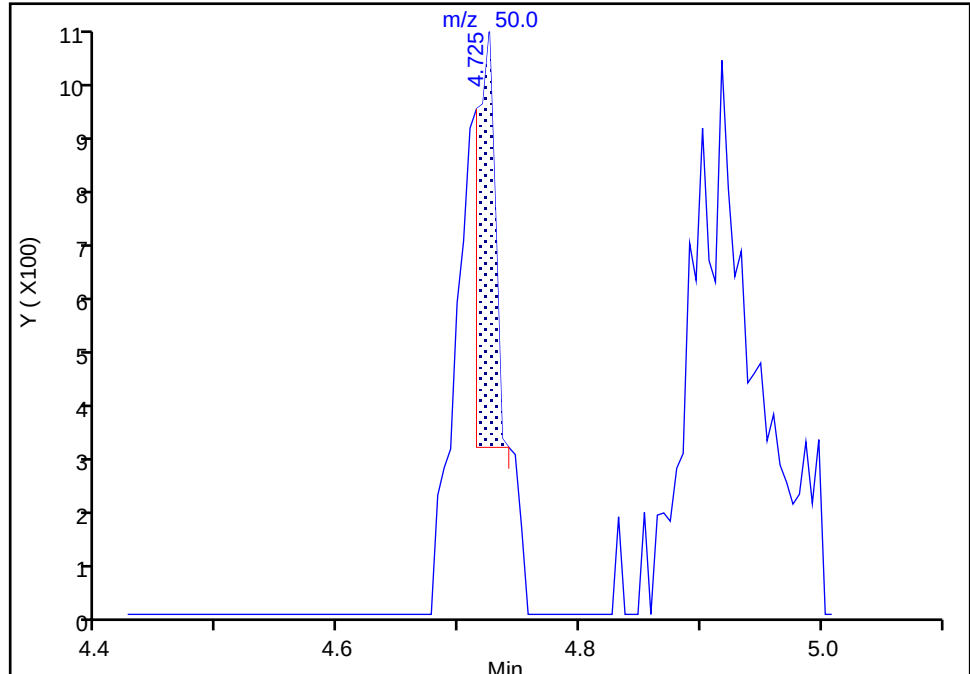
Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-11.D
Injection Date: 21-Feb-2020 15:39:30 Instrument ID: CHX.i
Lims ID: 200-52685-A-7 Lab Sample ID: 200-52685-7
Client ID: SV-DUP-021420
Operator ID: ggg ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 20.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

5 Chloromethane, CAS: 74-87-3

Signal: 1

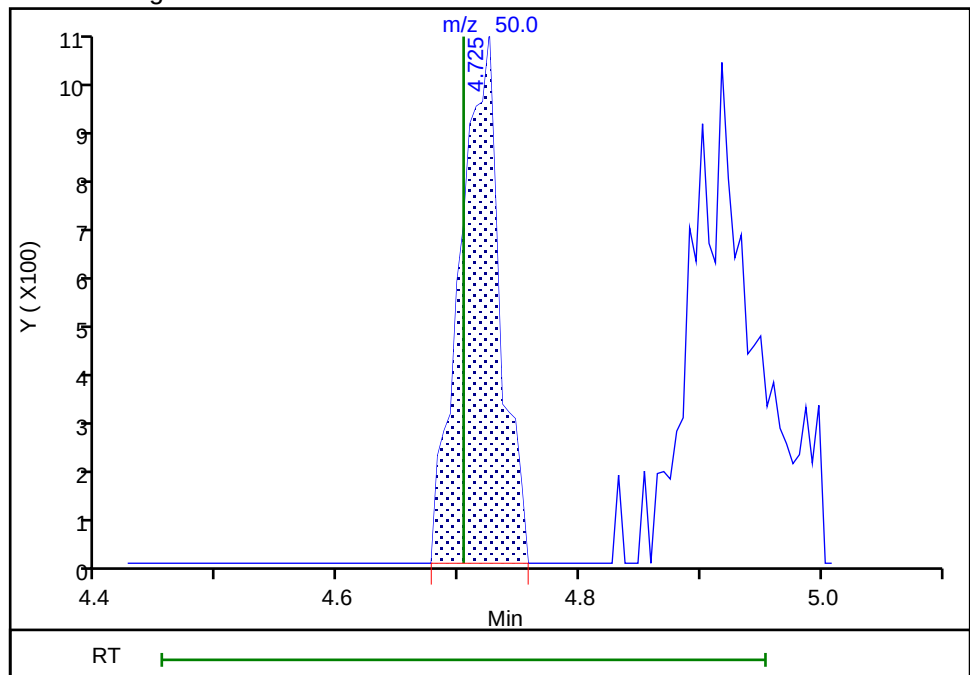
RT: 4.72
Area: 775
Amount: 0.028472
Amount Units: ppb v/v

Processing Integration Results



RT: 4.72
Area: 2434
Amount: 0.089421
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 24-Feb-2020 10:46:46

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-11.D

Injection Date: 21-Feb-2020 15:39:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#:

11

Worklist Smp#: 11

Purge Vol: 200.000 mL

Dil. Factor: 20.0000

Method: TO15_MasterMethod_X.m

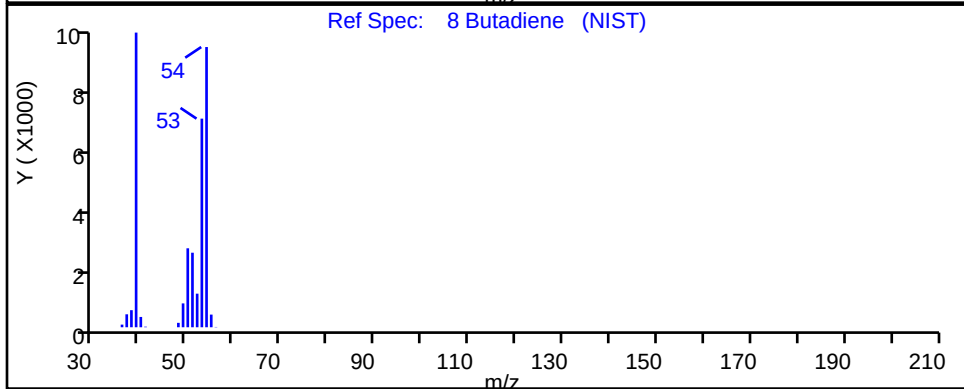
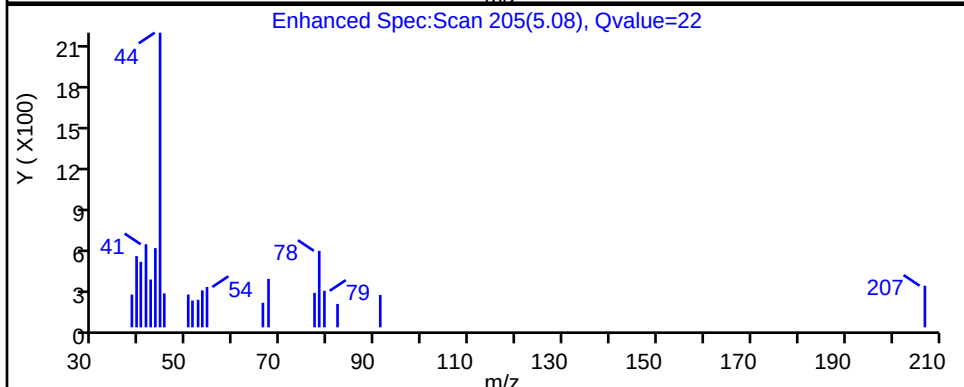
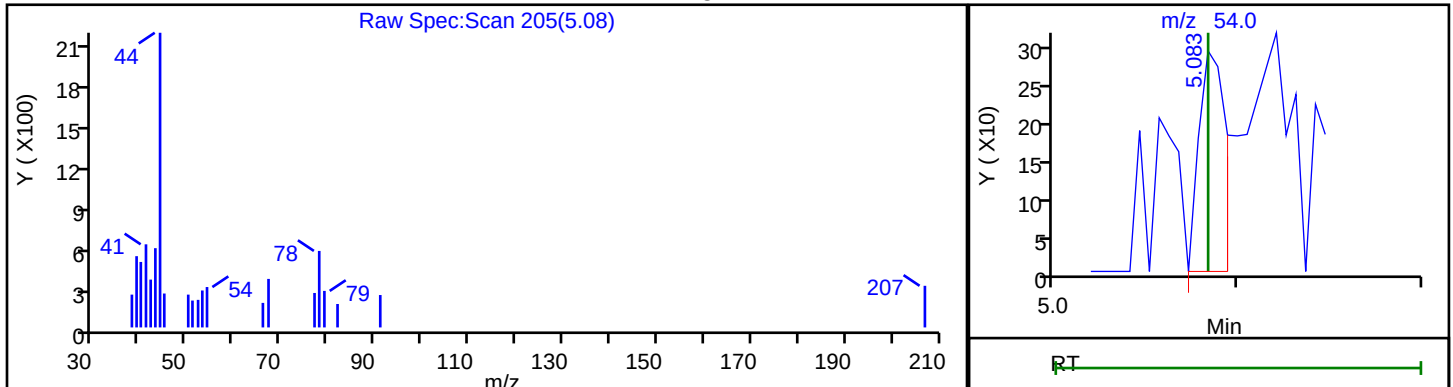
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

8 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
5.08	54.00	296	0.020214

Reviewer: puangmaleek, 24-Feb-2020 10:46:53

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-11.D

Injection Date: 21-Feb-2020 15:39:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-7

Lab Sample ID: 200-52685-7

Client ID: SV-DUP-021420

Operator ID: ggg

ALS Bottle#: 11

Worklist Smp#: 11

Purge Vol: 200.000 mL

Dil. Factor: 20.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

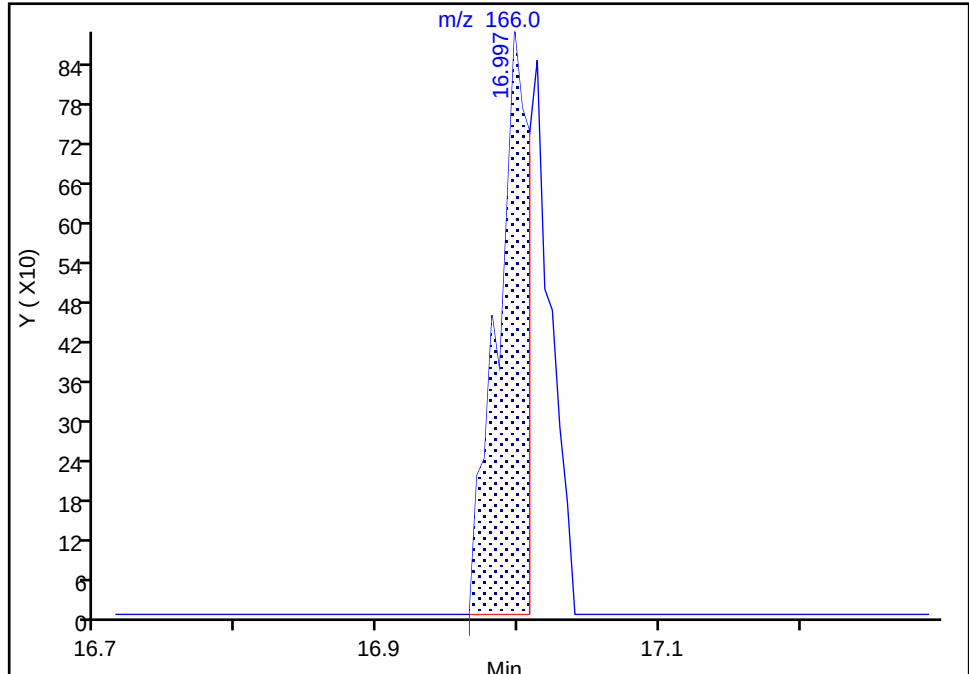
Detector: MS SCAN

68 Tetrachloroethene, CAS: 127-18-4

Signal: 1

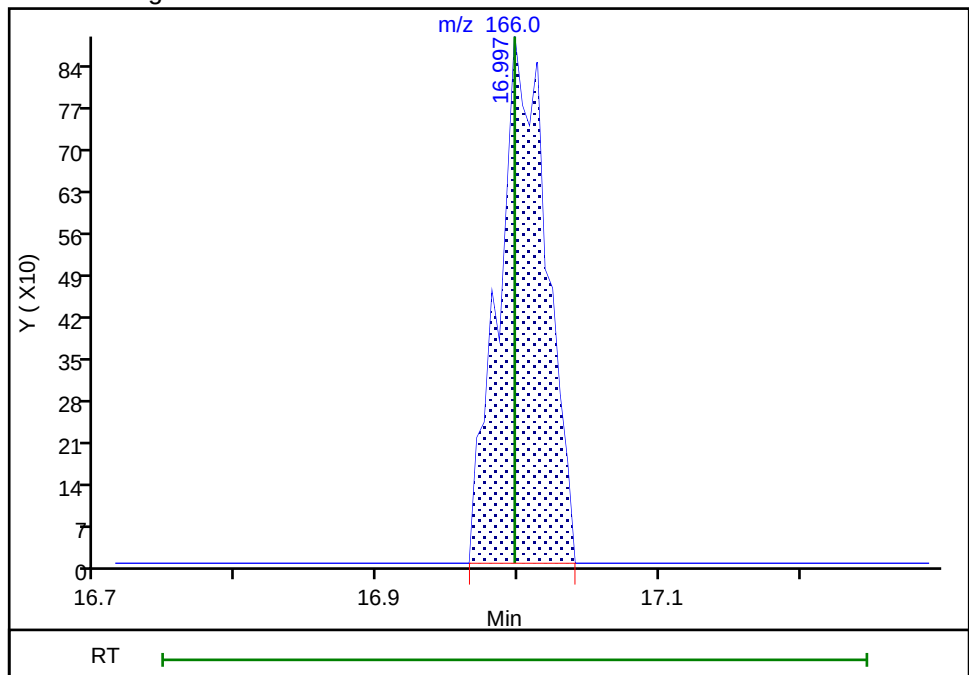
RT: 17.00
Area: 1366
Amount: 0.020444
Amount Units: ppb v/v

Processing Integration Results



RT: 17.00
Area: 2086
Amount: 0.031220
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 24-Feb-2020 10:47:23

Audit Action: Manually Integrated

Audit Reason: Assign Peak

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: SS-SV-07-021420 Lab Sample ID: 200-52685-8

Matrix: Air Lab File ID: 40114-09.D

Analysis Method: TO-15 Date Collected: 02/14/2020 10:10

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 13:59

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.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.50		0.50	0.11
75-45-6	Freon 22	86.47	0.55		0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.20	0.035
74-87-3	Chloromethane	50.49	0.60		0.50	0.11
106-97-8	n-Butane	58.12	6.9		0.50	0.11
75-01-4	Vinyl chloride	62.50	ND		0.060	0.044
106-99-0	1,3-Butadiene	54.09	ND		0.20	0.057
74-83-9	Bromomethane	94.94	ND		0.20	0.051
75-00-3	Chloroethane	64.52	ND		0.50	0.054
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.20	0.052
75-69-4	Trichlorofluoromethane	137.37	0.23		0.20	0.060
76-13-1	Freon TF	187.38	0.065	J	0.20	0.038
75-35-4	1,1-Dichloroethene	96.94	ND		0.20	0.039
67-64-1	Acetone	58.08	5.3		5.0	1.2
67-63-0	Isopropyl alcohol	60.10	5.9		5.0	0.48
75-15-0	Carbon disulfide	76.14	ND		0.50	0.074
107-05-1	3-Chloropropene	76.53	ND		0.50	0.064
75-09-2	Methylene Chloride	84.93	ND		0.50	0.27
75-65-0	tert-Butyl alcohol	74.12	0.19	J	5.0	0.038
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.20	0.033
156-60-5	trans-1,2-Dichloroethene	96.94	0.45		0.20	0.042
110-54-3	n-Hexane	86.17	ND		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	ND		0.20	0.041
78-93-3	Methyl Ethyl Ketone	72.11	0.78		0.50	0.072
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.20	0.045
540-59-0	1,2-Dichloroethene, Total	96.94	0.45		0.40	0.042
67-66-3	Chloroform	119.38	0.036	J	0.20	0.032
109-99-9	Tetrahydrofuran	72.11	ND		5.0	0.066
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.20	0.036
110-82-7	Cyclohexane	84.16	0.046	J	0.20	0.046
56-23-5	Carbon tetrachloride	153.81	0.068		0.060	0.024
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.20	0.041
71-43-2	Benzene	78.11	0.14	J	0.20	0.067
107-06-2	1,2-Dichloroethane	98.96	ND		0.20	0.032

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: SS-SV-07-021420 Lab Sample ID: 200-52685-8

Matrix: Air Lab File ID: 40114-09.D

Analysis Method: TO-15 Date Collected: 02/14/2020 10:10

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 13:59

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.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	ND		0.20	0.056
79-01-6	Trichloroethene	131.39	ND		0.060	0.035
80-62-6	Methyl methacrylate	100.12	ND		0.50	0.033
78-87-5	1,2-Dichloropropane	112.99	ND		0.20	0.033
123-91-1	1,4-Dioxane	88.11	ND		5.0	0.084
75-27-4	Bromodichloromethane	163.83	ND		0.20	0.035
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.20	0.032
108-10-1	methyl isobutyl ketone	100.16	ND		0.50	0.036
108-88-3	Toluene	92.14	0.36		0.20	0.11
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.20	0.039
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.20	0.036
127-18-4	Tetrachloroethene	165.83	ND		0.20	0.033
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		0.50	0.048
124-48-1	Dibromochloromethane	208.29	ND		0.20	0.036
106-93-4	1,2-Dibromoethane	187.87	ND		0.20	0.049
108-90-7	Chlorobenzene	112.56	ND		0.20	0.056
100-41-4	Ethylbenzene	106.17	0.083	J	0.20	0.063
179601-23-1	m,p-Xylene	106.17	0.23	J	0.50	0.10
95-47-6	Xylene, o-	106.17	0.061	J	0.20	0.048
1330-20-7	Xylene (total)	106.17	0.29	J	0.70	0.048
100-42-5	Styrene	104.15	ND		0.20	0.040
75-25-2	Bromoform	252.75	ND		0.20	0.048
98-82-8	Cumene	120.19	ND		0.20	0.035
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.20	0.042
103-65-1	n-Propylbenzene	120.19	ND		0.20	0.039
622-96-8	4-Ethyltoluene	120.20	ND		0.20	0.041
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.20	0.039
95-49-8	2-Chlorotoluene	126.59	ND		0.20	0.042
98-06-6	tert-Butylbenzene	134.22	ND		0.20	0.035
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.20	0.044
135-98-8	sec-Butylbenzene	134.22	ND		0.20	0.035
99-87-6	4-Isopropyltoluene	134.22	ND		0.20	0.039
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.20	0.11
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.20	0.12

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SS-SV-07-021420 Lab Sample ID: 200-52685-8
 Matrix: Air Lab File ID: 40114-09.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 10:10
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 13:59
 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.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		0.20	0.085
104-51-8	n-Butylbenzene	134.22	ND		0.20	0.039
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.20	0.097
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.50	0.22
87-68-3	Hexachlorobutadiene	260.76	ND		0.20	0.076
91-20-3	Naphthalene	128.17	ND		0.50	0.17

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: SS-SV-07-021420 Lab Sample ID: 200-52685-8

Matrix: Air Lab File ID: 40114-09.D

Analysis Method: TO-15 Date Collected: 02/14/2020 10:10

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 13:59

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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.4		2.5	0.54
75-45-6	Freon 22	86.47	1.9		1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	0.24
74-87-3	Chloromethane	50.49	1.2		1.0	0.23
106-97-8	n-Butane	58.12	16		1.2	0.26
75-01-4	Vinyl chloride	62.50	ND		0.15	0.11
106-99-0	1,3-Butadiene	54.09	ND		0.44	0.13
74-83-9	Bromomethane	94.94	ND		0.78	0.20
75-00-3	Chloroethane	64.52	ND		1.3	0.14
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.87	0.23
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1	0.34
76-13-1	Freon TF	187.38	0.49	J	1.5	0.29
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	0.15
67-64-1	Acetone	58.08	13		12	2.9
67-63-0	Isopropyl alcohol	60.10	15		12	1.2
75-15-0	Carbon disulfide	76.14	ND		1.6	0.23
107-05-1	3-Chloropropene	76.53	ND		1.6	0.20
75-09-2	Methylene Chloride	84.93	ND		1.7	0.94
75-65-0	tert-Butyl alcohol	74.12	0.57	J	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.72	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	1.8		0.79	0.17
110-54-3	n-Hexane	86.17	ND		0.70	0.70
75-34-3	1,1-Dichloroethane	98.96	ND		0.81	0.17
78-93-3	Methyl Ethyl Ketone	72.11	2.3		1.5	0.21
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.79	0.18
540-59-0	1,2-Dichloroethene, Total	96.94	1.8		1.6	0.17
67-66-3	Chloroform	119.38	0.17	J	0.98	0.16
109-99-9	Tetrahydrofuran	72.11	ND		15	0.19
71-55-6	1,1,1-Trichloroethane	133.41	ND		1.1	0.20
110-82-7	Cyclohexane	84.16	0.16	J	0.69	0.16
56-23-5	Carbon tetrachloride	153.81	0.43		0.38	0.15
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	0.19
71-43-2	Benzene	78.11	0.46	J	0.64	0.21
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	0.13

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: SS-SV-07-021420 Lab Sample ID: 200-52685-8

Matrix: Air Lab File ID: 40114-09.D

Analysis Method: TO-15 Date Collected: 02/14/2020 10:10

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 13:59

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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	ND		0.82	0.23
79-01-6	Trichloroethene	131.39	ND		0.32	0.19
80-62-6	Methyl methacrylate	100.12	ND		2.0	0.14
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.15
123-91-1	1,4-Dioxane	88.11	ND		18	0.30
75-27-4	Bromodichloromethane	163.83	ND		1.3	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	0.15
108-10-1	methyl isobutyl ketone	100.16	ND		2.0	0.15
108-88-3	Toluene	92.14	1.3		0.75	0.41
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	0.18
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	0.20
127-18-4	Tetrachloroethene	165.83	ND		1.4	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		2.0	0.20
124-48-1	Dibromochloromethane	208.29	ND		1.7	0.31
106-93-4	1,2-Dibromoethane	187.87	ND		1.5	0.38
108-90-7	Chlorobenzene	112.56	ND		0.92	0.26
100-41-4	Ethylbenzene	106.17	0.36	J	0.87	0.27
179601-23-1	m,p-Xylene	106.17	0.99	J	2.2	0.43
95-47-6	Xylene, o-	106.17	0.26	J	0.87	0.21
1330-20-7	Xylene (total)	106.17	1.3	J	3.0	0.21
100-42-5	Styrene	104.15	ND		0.85	0.17
75-25-2	Bromoform	252.75	ND		2.1	0.50
98-82-8	Cumene	120.19	ND		0.98	0.17
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	0.29
103-65-1	n-Propylbenzene	120.19	ND		0.98	0.19
622-96-8	4-Ethyltoluene	120.20	ND		0.98	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.98	0.19
95-49-8	2-Chlorotoluene	126.59	ND		1.0	0.22
98-06-6	tert-Butylbenzene	134.22	ND		1.1	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.98	0.22
135-98-8	sec-Butylbenzene	134.22	ND		1.1	0.19
99-87-6	4-Isopropyltoluene	134.22	ND		1.1	0.21
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.2	0.66
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.2	0.72

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SS-SV-07-021420 Lab Sample ID: 200-52685-8
 Matrix: Air Lab File ID: 40114-09.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 10:10
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 13:59
 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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		1.0	0.44
104-51-8	n-Butylbenzene	134.22	ND		1.1	0.21
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	0.58
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3.7	1.6
87-68-3	Hexachlorobutadiene	260.76	ND		2.1	0.81
91-20-3	Naphthalene	128.17	ND		2.6	0.89

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D
 Lims ID: 200-52685-A-8
 Client ID: SS-SV-07-021420
 Sample Type: Client
 Inject. Date: 21-Feb-2020 13:59:30 ALS Bottle#: 9 Worklist Smp#: 9
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0040114-009
 Operator ID: ggg Instrument ID: CHX.i
 Method: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 24-Feb-2020 10:37:27 Calib Date: 22-Jan-2020 04:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-16.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0337

First Level Reviewer: puangmaleek

Date: 24-Feb-2020 10:37:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.179	4.185	-0.006	100	39703	0.4952	
3 Chlorodifluoromethane	51	4.244	4.249	-0.005	98	24593	0.5466	
4 1,2-Dichloro-1,1,2,2-tetra	85	4.511	4.511	-0.005	1	1513	0.0166	7M
5 Chloromethane	50	4.698	4.704	-0.006	99	17295	0.5977	
6 Butane	43	4.934	4.934	0.000	99	248548	6.91	
7 Vinyl chloride	62		4.993				ND	
8 Butadiene	54		5.083				ND	U
10 Bromomethane	94		5.870				ND	
11 Chloroethane	64		6.121				ND	
13 Vinyl bromide	106		6.539				ND	
14 Trichlorofluoromethane	101	6.630	6.630	0.000	98	21241	0.2346	
20 1,1,2-Trichloro-1,2,2-trif	101	7.694	7.692	0.005	92	4249	0.0645	
21 1,1-Dichloroethene	96		7.753				ND	
22 Acetone	43	7.962	7.967	-0.005	98	183002	5.34	
23 Carbon disulfide	76	8.149	8.160	0.000	41	2415	0.0324	
24 Isopropyl alcohol	45	8.218	8.218	0.000	99	173360	5.94	
25 3-Chloro-1-propene	41		8.491				ND	
27 Methylene Chloride	49	8.775	8.786	0.000	90	3193	0.1461	
28 2-Methyl-2-propanol	59	8.951	8.945	0.010	94	8162	0.1892	
29 Methyl tert-butyl ether	73		9.128				ND	
31 trans-1,2-Dichloroethene	61	9.181	9.186	0.000	93	15377	0.4495	
33 Hexane	57	9.513	9.523	-0.005	88	2354	0.0692	
S 30 1,2-Dichloroethene, Total	61				0		0.4495	
34 1,1-Dichloroethane	63		10.000				ND	
37 cis-1,2-Dichloroethene	96		11.032				ND	
38 2-Butanone (MEK)	72	11.070	11.070	0.006	99	10100	0.7778	
* 40 Chlorobromomethane	128	11.460	11.466	-0.006	74	230285	10.0	
41 Tetrahydrofuran	42		11.471				ND	
42 Chloroform	83	11.578	11.578	0.000	78	2173	0.0358	M
43 Cyclohexane	84	11.803	11.803	-0.005	83	1652	0.0460	M
44 1,1,1-Trichloroethane	97	11.835	11.835	0.000	83	1693	0.0255	M
45 Carbon tetrachloride	117	12.054	12.060	-0.005	97	4920	0.0682	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
46 Isooctane	57	12.418	12.418	-0.005	44	3033	0.0299	M
47 Benzene	78	12.477	12.482	-0.005	97	11779	0.1448	
48 1,2-Dichloroethane	62		12.648				ND	
49 n-Heptane	43		12.766				ND	
* 50 1,4-Difluorobenzene	114	13.215	13.220	-0.005	93	1038601	10.0	
53 Trichloroethene	95		13.638				ND	
54 1,2-Dichloropropane	63		14.130				ND	
55 Methyl methacrylate	69		14.248				ND	
56 1,4-Dioxane	88		14.317				ND	
58 Dichlorobromomethane	83		14.617				ND	
60 cis-1,3-Dichloropropene	75		15.446				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.692				ND	
65 Toluene	92	15.976	15.975	0.001	93	22421	0.3562	
66 trans-1,3-Dichloropropene	75		16.532				ND	U
67 1,1,2-Trichloroethane	83		16.901				ND	
68 Tetrachloroethene	166	16.992	16.992	-0.005	88	2498	0.0318	
69 2-Hexanone	43	17.334	17.334	0.010	3	1765	0.0379	7M
71 Chlorodibromomethane	129		17.650				ND	
72 Ethylene Dibromide	107		17.917				ND	
* 74 Chlorobenzene-d5	117	18.795	18.800	-0.005	84	989398	10.0	
75 Chlorobenzene	112		18.859				ND	
76 Ethylbenzene	91	18.998	18.998	0.000	98	12730	0.0833	
78 m-Xylene & p-Xylene	106	19.239	19.244	-0.005	0	14684	0.2280	
S 73 Xylenes, Total	106				0		0.2889	
79 o-Xylene	106	20.084	20.078	0.000	97	3767	0.0608	
80 Styrene	104		20.138				ND	
81 Bromoform	173		20.576				ND	
82 Isopropylbenzene	105		20.769				ND	
84 1,1,2,2-Tetrachloroethane	83		21.438				ND	
85 N-Propylbenzene	91		21.496				ND	
88 4-Ethyltoluene	105		21.684				ND	
89 2-Chlorotoluene	91		21.700				ND	
90 1,3,5-Trimethylbenzene	105		21.791				ND	U
92 tert-Butylbenzene	119		22.283				ND	
93 1,2,4-Trimethylbenzene	105	22.379	22.373	0.000	89	2786	0.0183	
94 sec-Butylbenzene	105		22.609				ND	
95 4-Isopropyltoluene	119		22.812				ND	
96 1,3-Dichlorobenzene	146		22.850				ND	
97 1,4-Dichlorobenzene	146		22.984				ND	
98 Benzyl chloride	91		23.182				ND	
100 n-Butylbenzene	91		23.385				ND	
101 1,2-Dichlorobenzene	146		23.513				ND	
103 1,2,4-Trichlorobenzene	180		25.995				ND	
104 Hexachlorobutadiene	225		26.172				ND	
105 Naphthalene	128	26.466	26.464	-0.006	96	2839	0.0214	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 24-Feb-2020 10:37:28

Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D

Injection Date: 21-Feb-2020 13:59:30

Instrument ID: CHX.i

Operator ID: ggg

Lims ID: 200-52685-A-8

Lab Sample ID: 200-52685-8

Worklist Smp#: 9

Client ID: SS-SV-07-021420

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

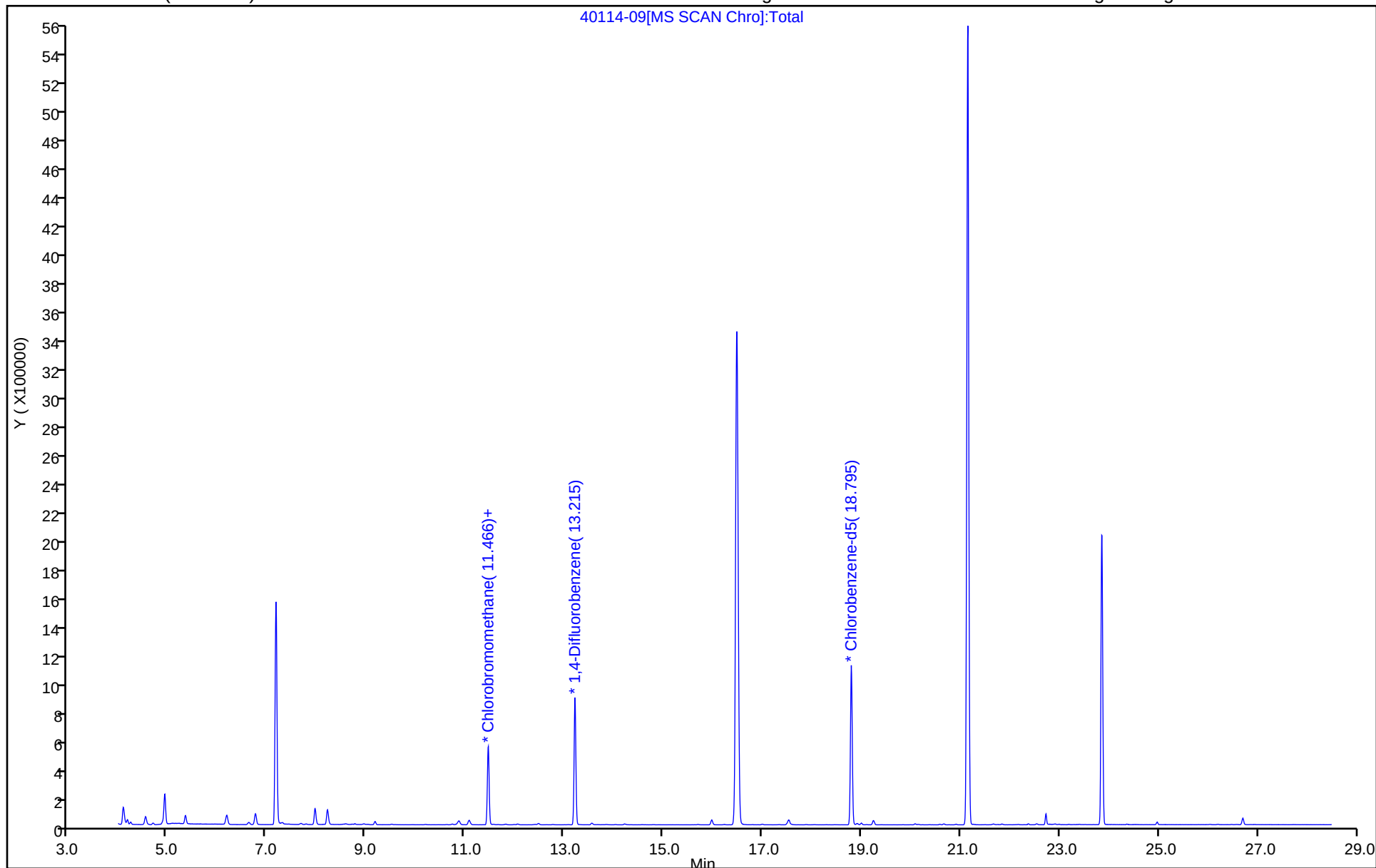
ALS Bottle#: 9

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D

Injection Date: 21-Feb-2020 13:59:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-8

Lab Sample ID: 200-52685-8

Client ID: SS-SV-07-021420

Operator ID: ggg

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 200.000 mL

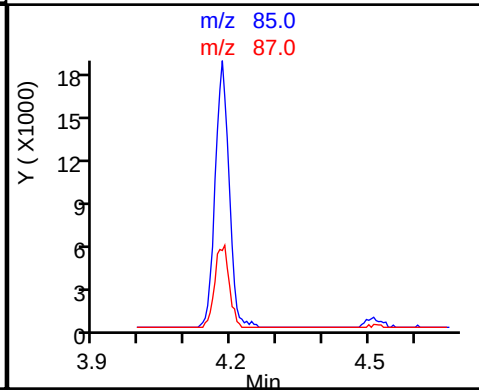
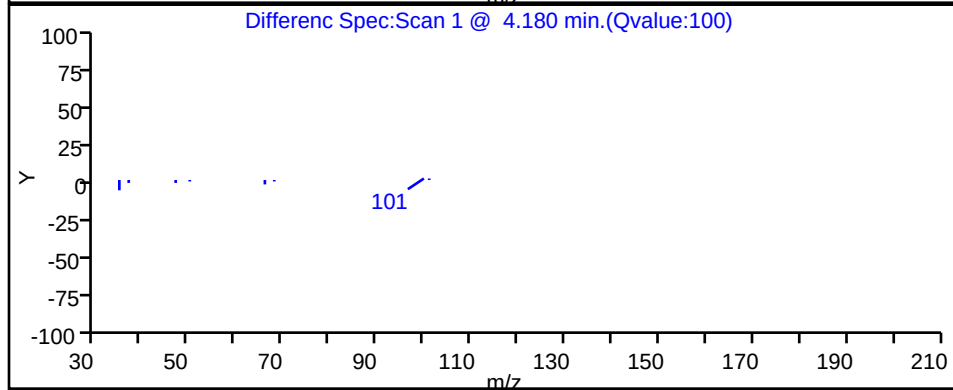
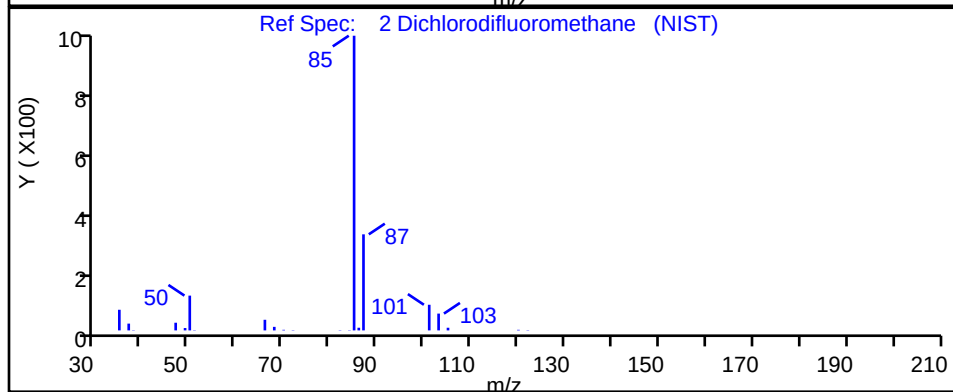
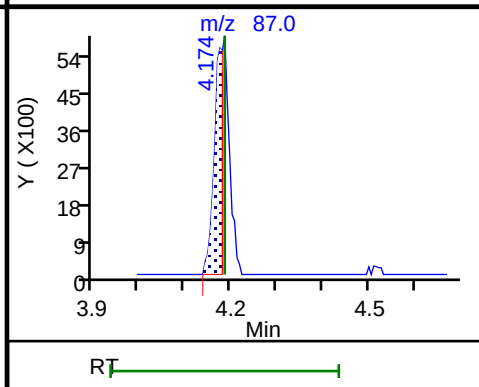
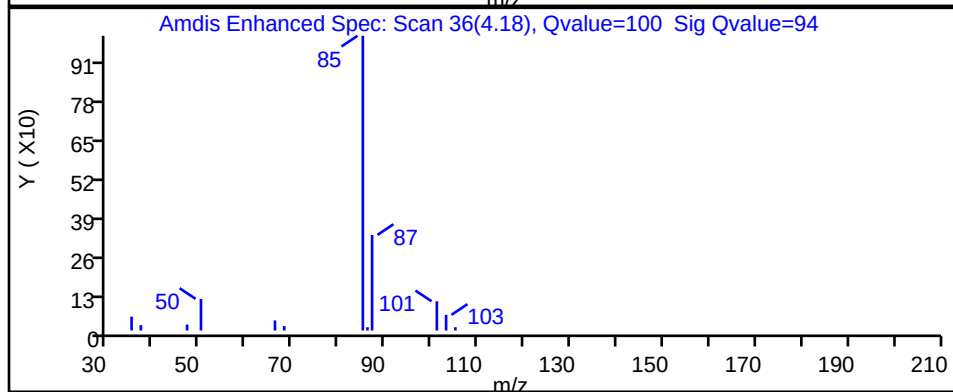
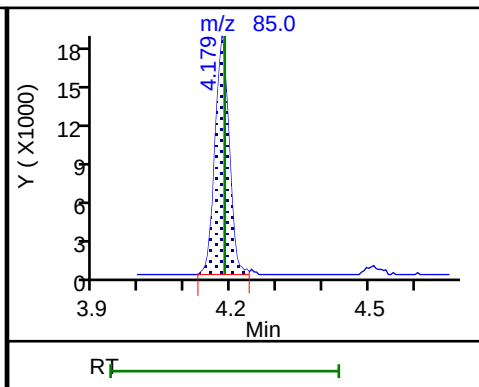
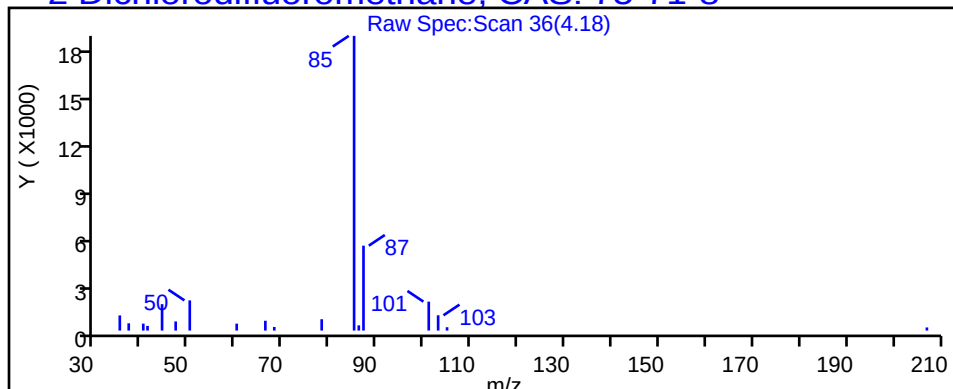
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D

Injection Date: 21-Feb-2020 13:59:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-8

Lab Sample ID: 200-52685-8

Client ID: SS-SV-07-021420

Operator ID: ggg

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 200.000 mL

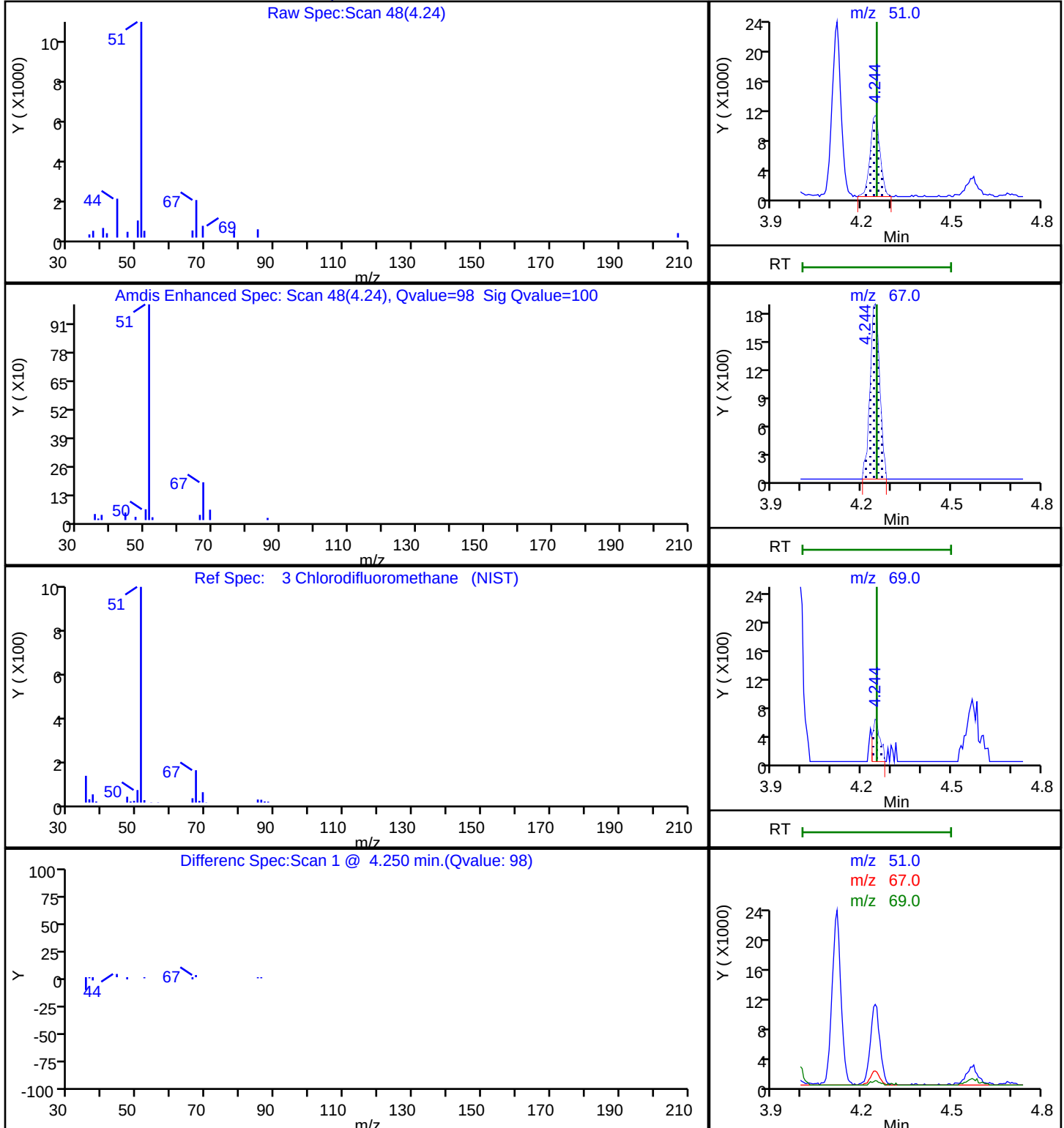
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

3 Chlorodifluoromethane, CAS: 75-45-6

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D

Injection Date: 21-Feb-2020 13:59:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-8

Lab Sample ID: 200-52685-8

Client ID: SS-SV-07-021420

Operator ID: ggg

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 200.000 mL

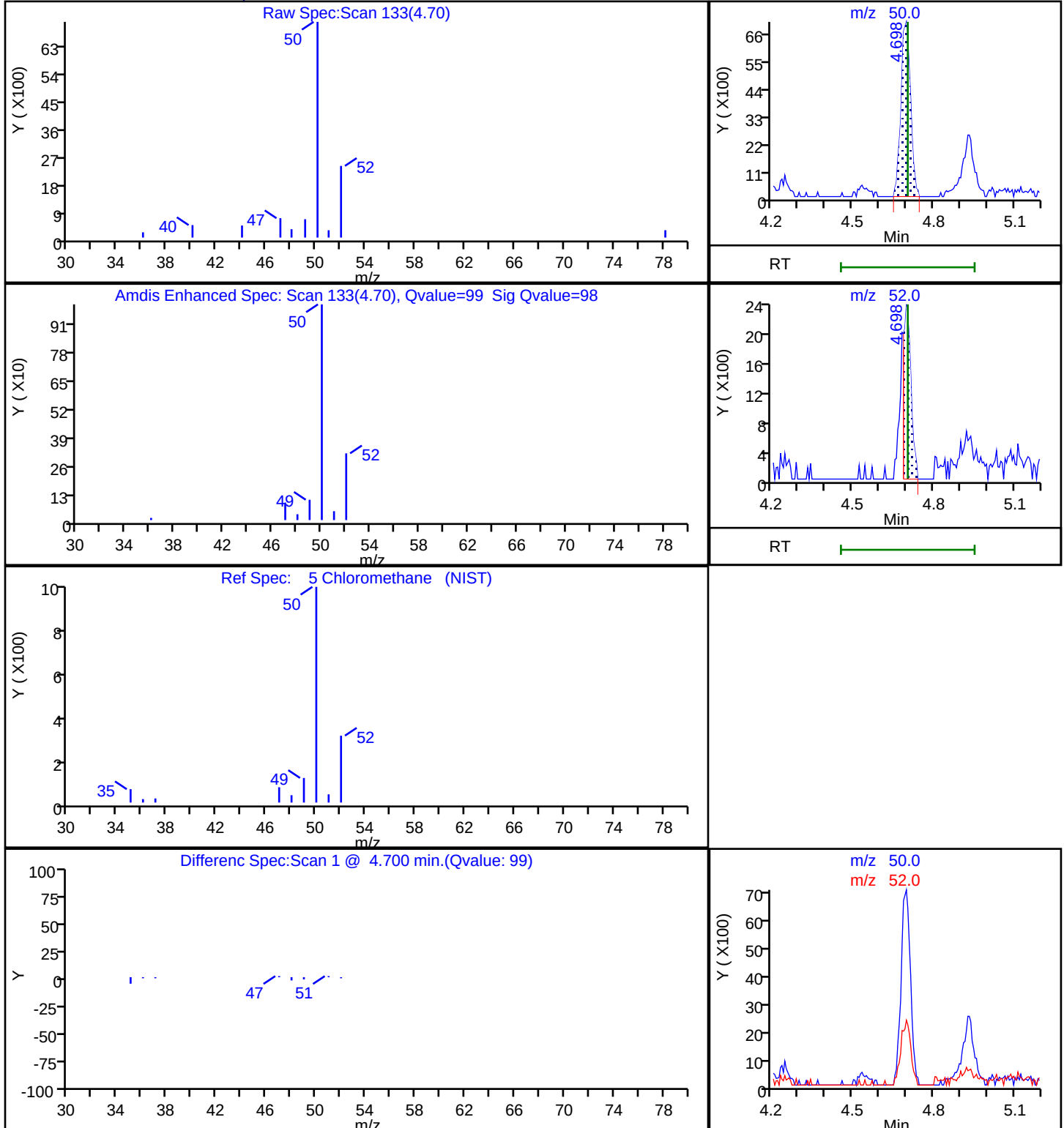
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

5 Chloromethane, CAS: 74-87-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D

Injection Date: 21-Feb-2020 13:59:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-8

Lab Sample ID: 200-52685-8

Client ID: SS-SV-07-021420

Operator ID: ggg

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 200.000 mL

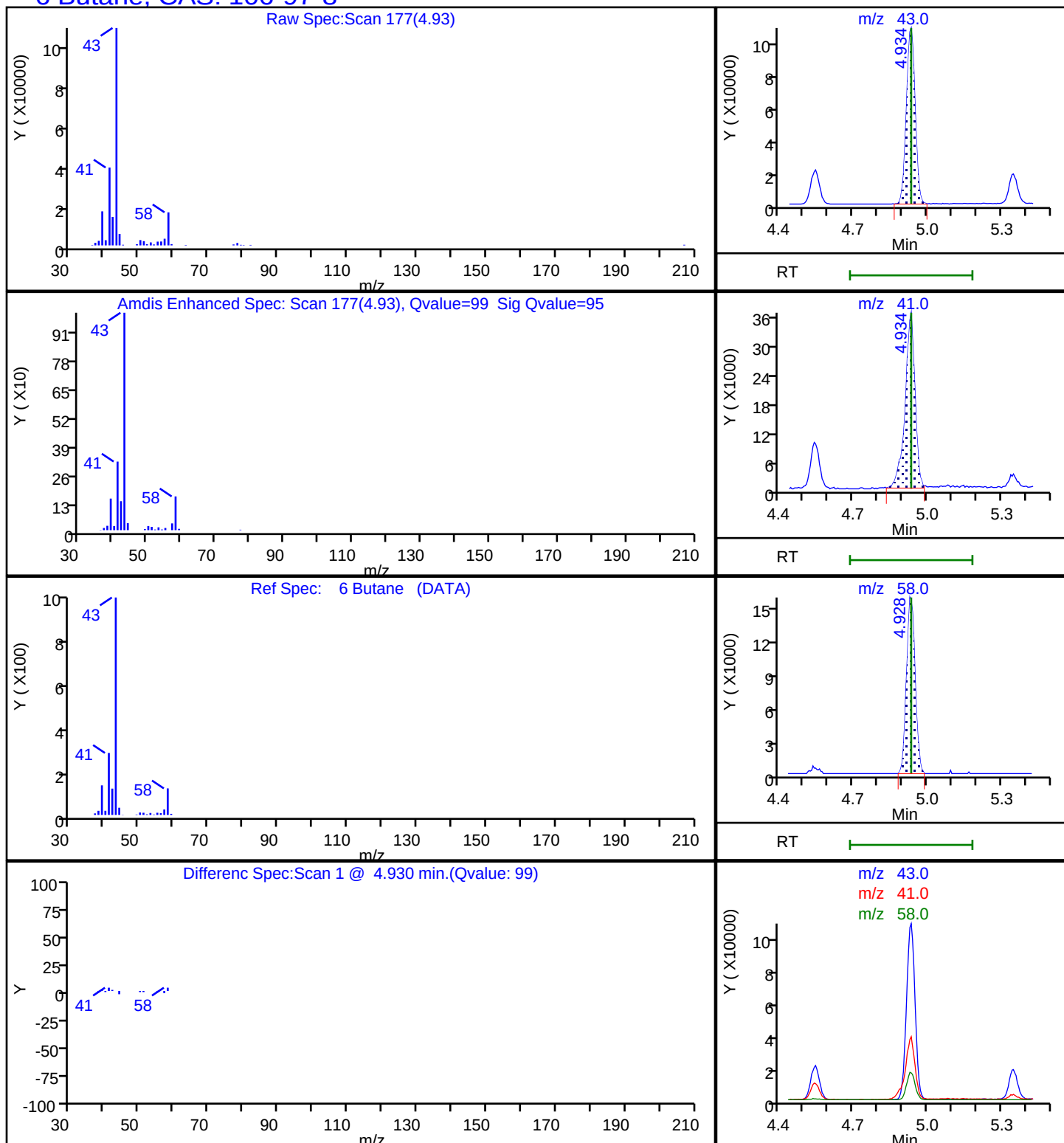
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

6 Butane, CAS: 106-97-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D

Injection Date: 21-Feb-2020 13:59:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-8

Lab Sample ID: 200-52685-8

Client ID: SS-SV-07-021420

Operator ID: ggg

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 200.000 mL

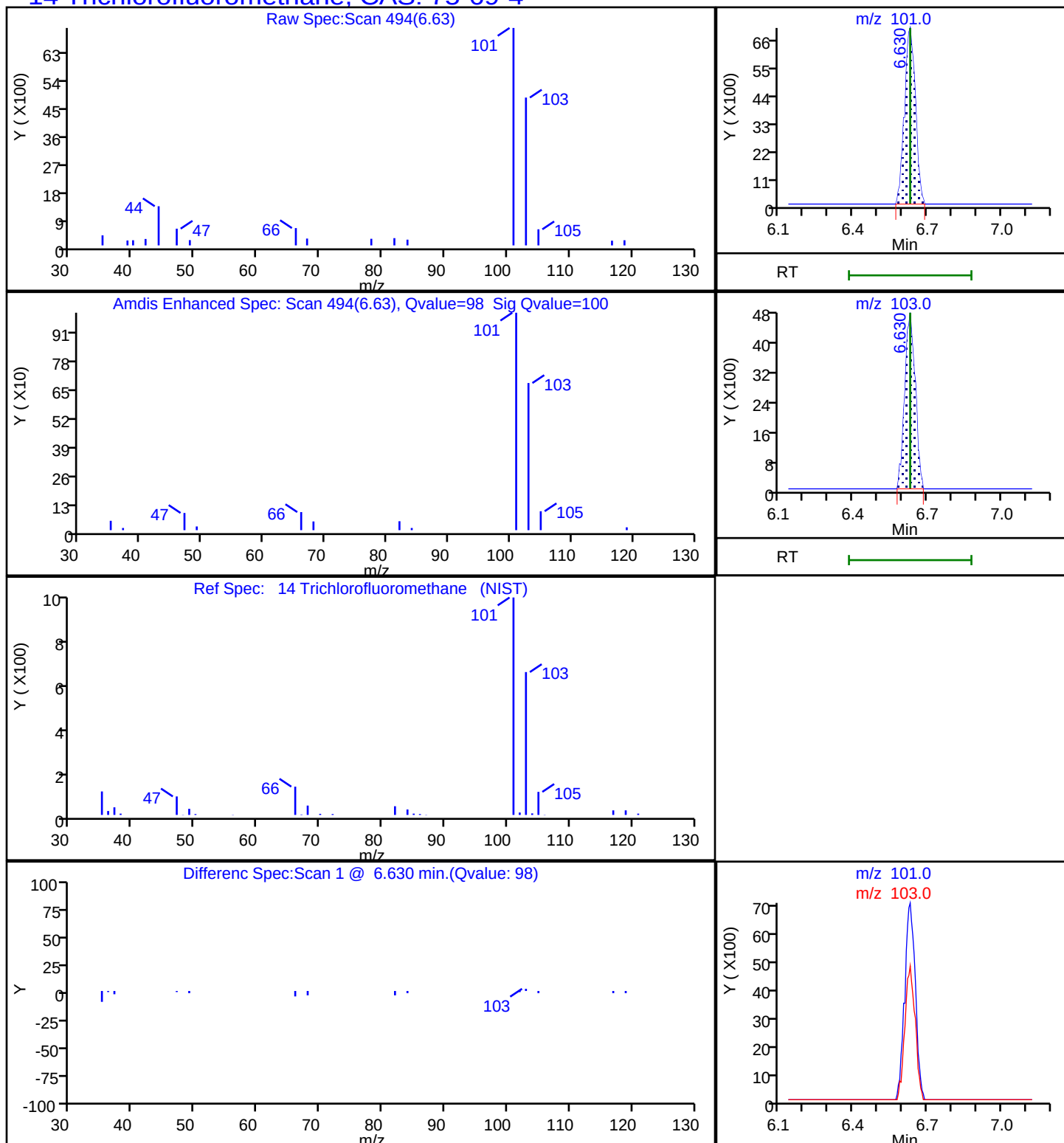
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

14 Trichlorofluoromethane, CAS: 75-69-4

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D

Injection Date: 21-Feb-2020 13:59:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-8

Lab Sample ID: 200-52685-8

Client ID: SS-SV-07-021420

Operator ID: ggg

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 200.000 mL

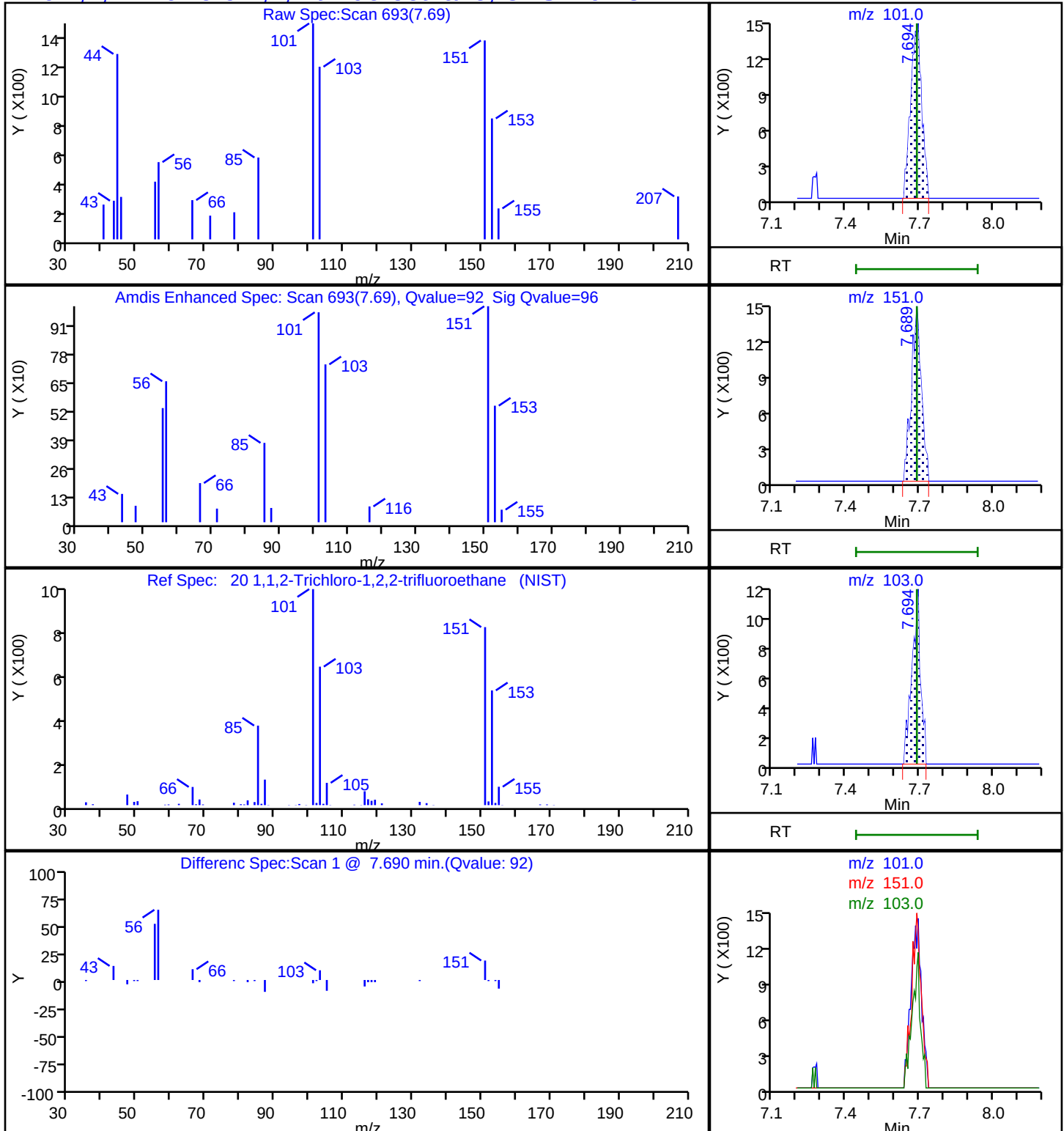
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D

Injection Date: 21-Feb-2020 13:59:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-8

Lab Sample ID: 200-52685-8

Client ID: SS-SV-07-021420

Operator ID: ggg

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 200.000 mL

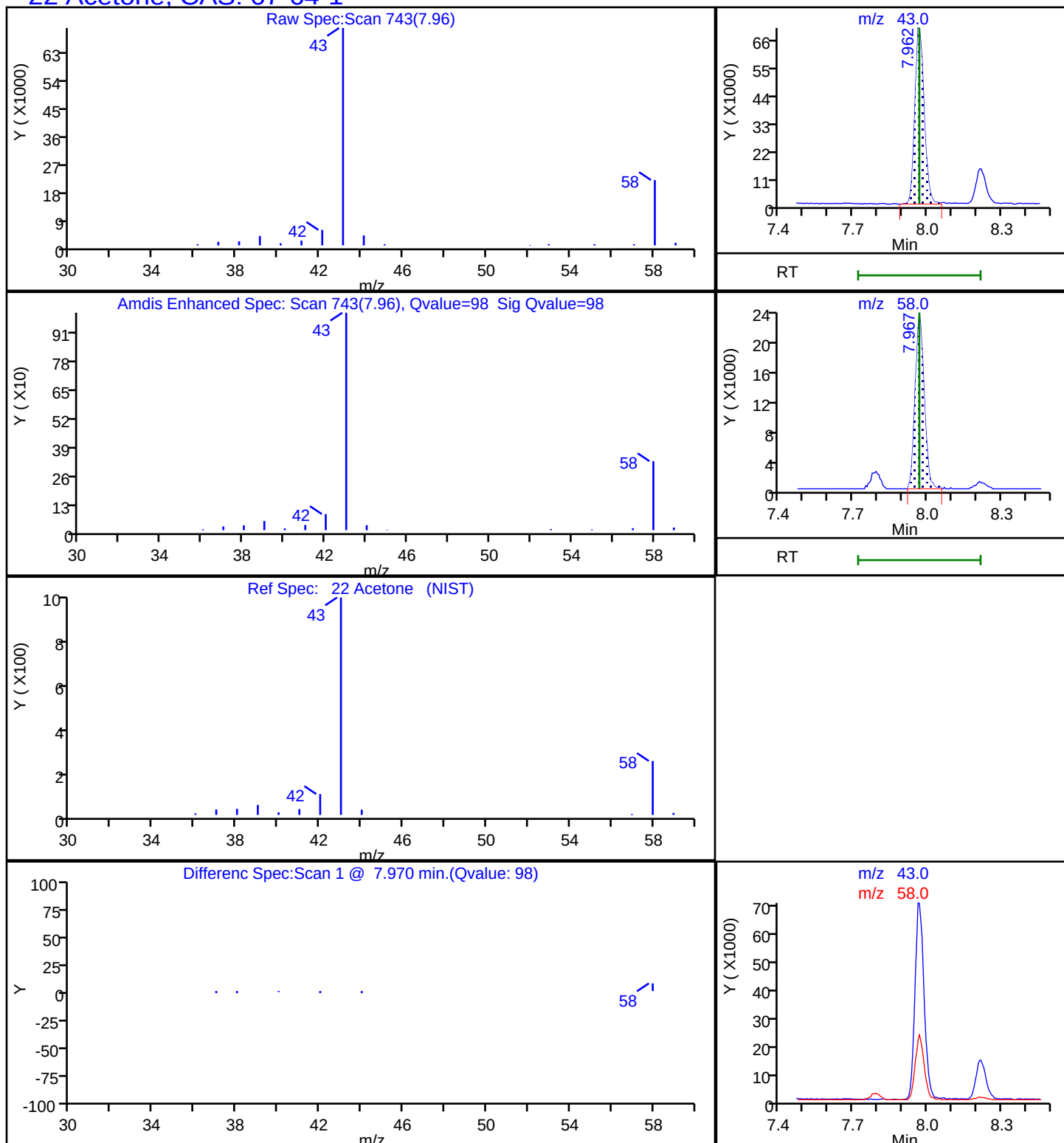
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

22 Acetone, CAS: 67-64-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D

Injection Date: 21-Feb-2020 13:59:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-8

Lab Sample ID: 200-52685-8

Client ID: SS-SV-07-021420

Operator ID: ggg

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 200.000 mL

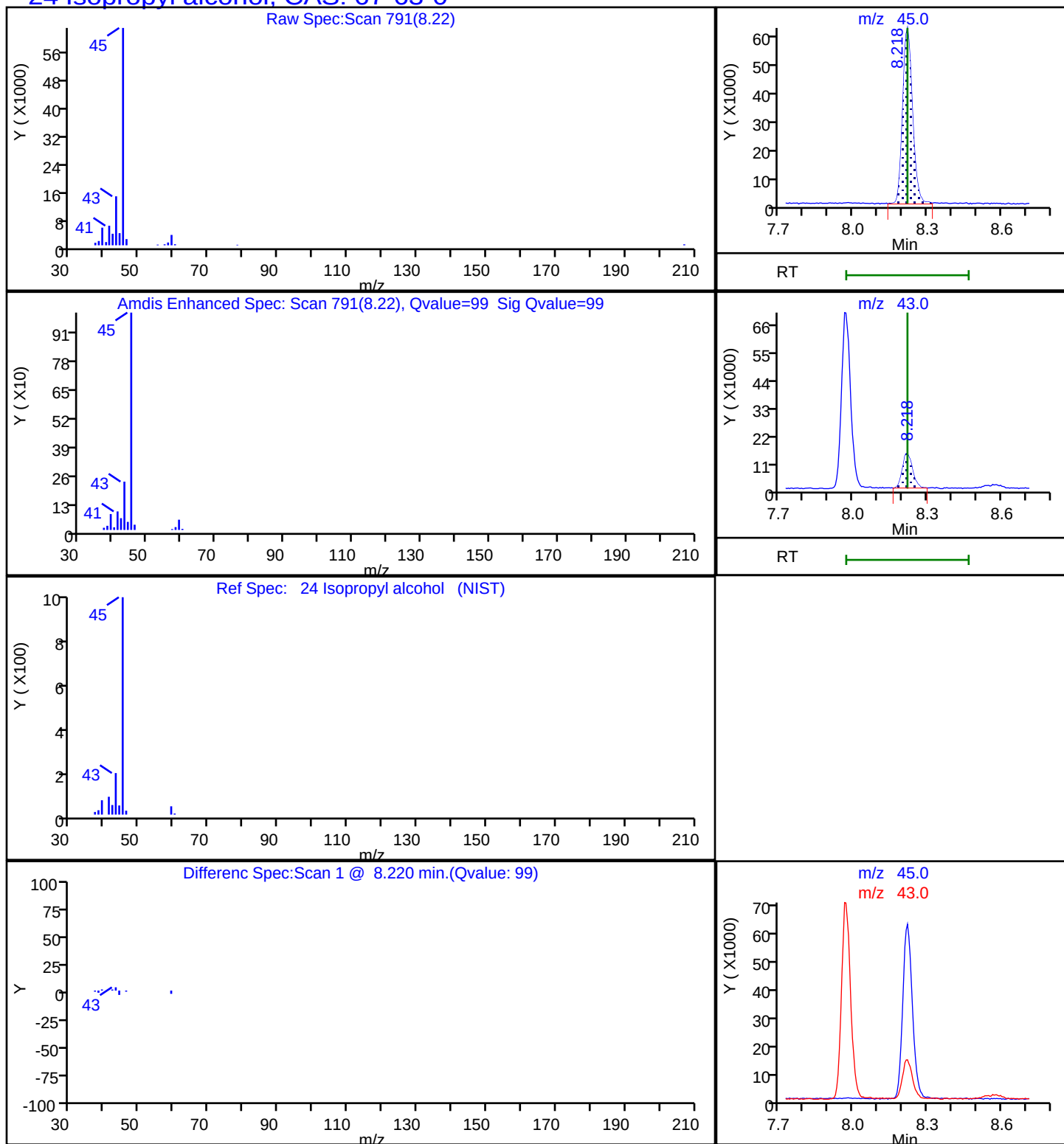
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D

Injection Date: 21-Feb-2020 13:59:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-8

Lab Sample ID: 200-52685-8

Client ID: SS-SV-07-021420

Operator ID: ggg

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 200.000 mL

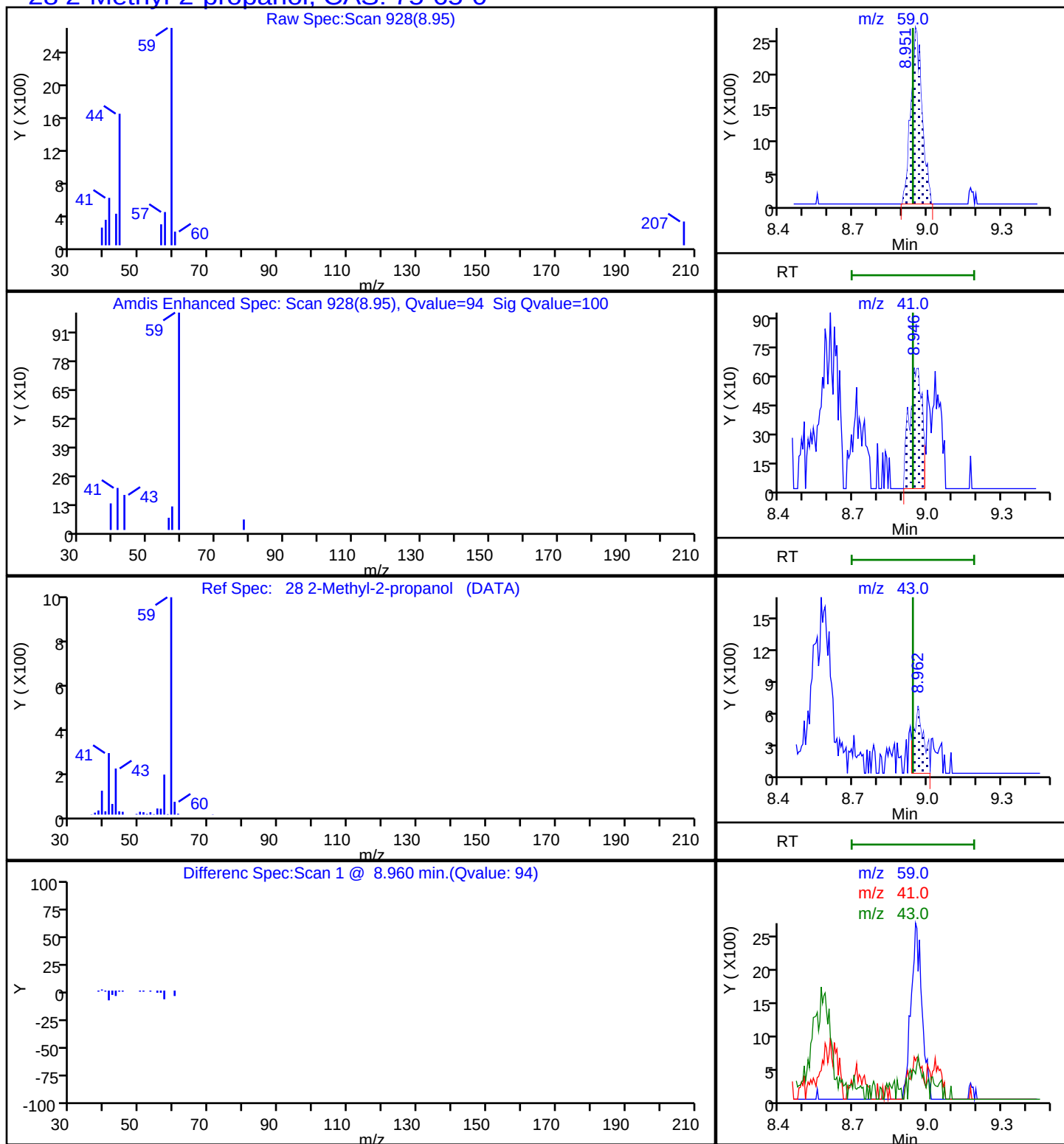
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D

Injection Date: 21-Feb-2020 13:59:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-8

Lab Sample ID: 200-52685-8

Client ID: SS-SV-07-021420

Operator ID: ggg

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 200.000 mL

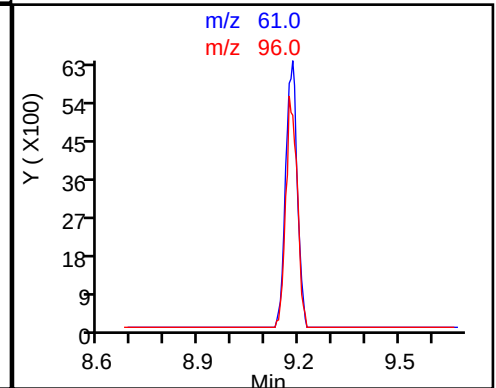
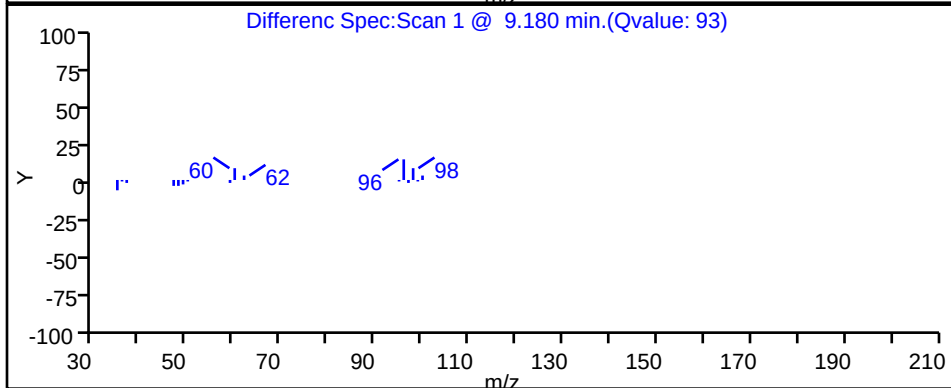
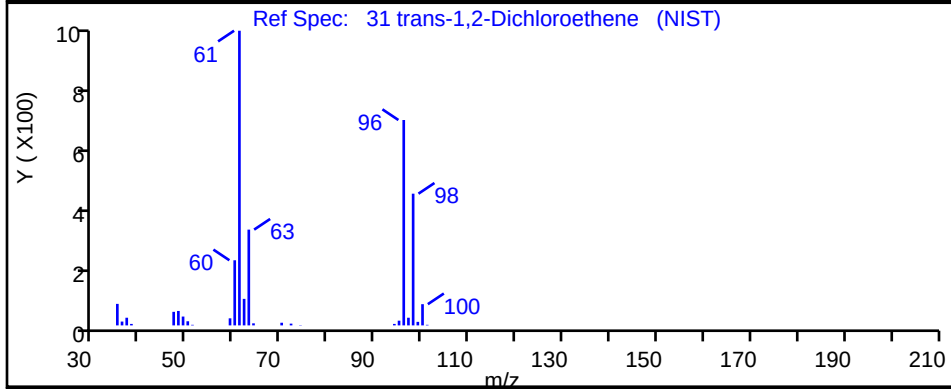
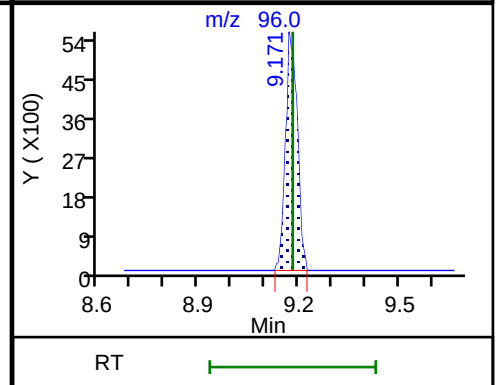
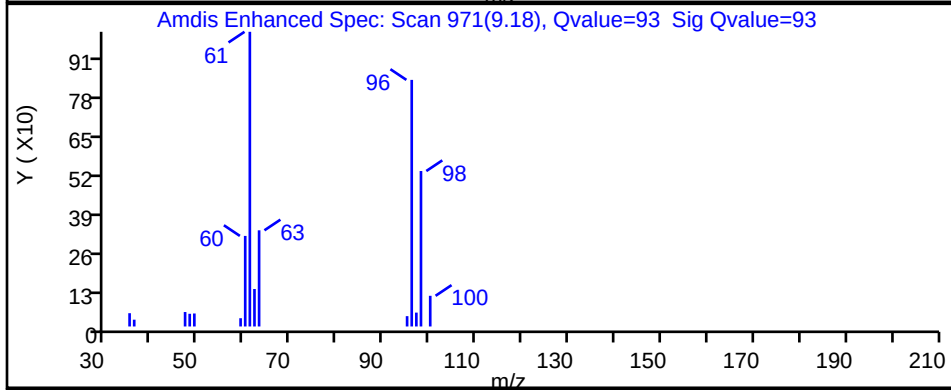
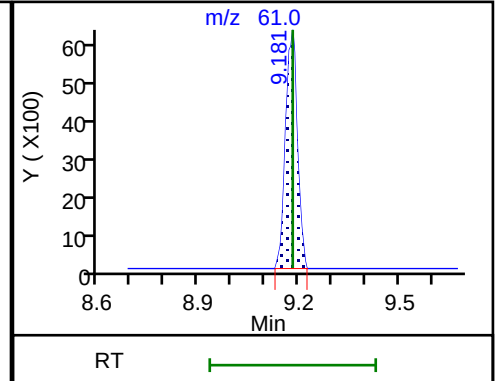
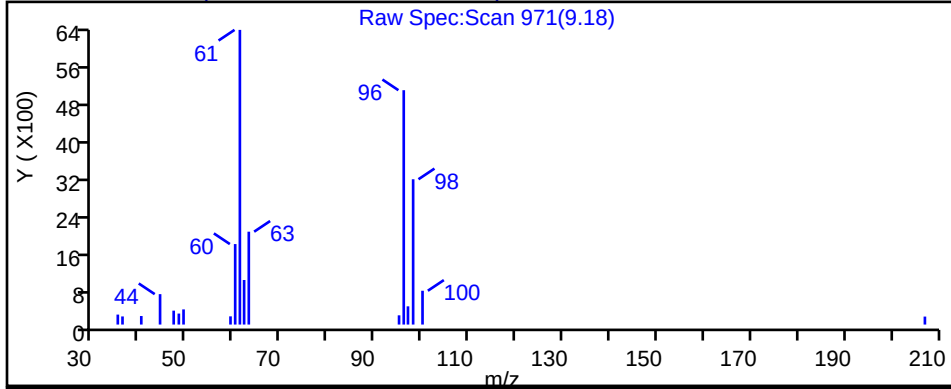
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

31 trans-1,2-Dichloroethene, CAS: 156-60-5

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D

Injection Date: 21-Feb-2020 13:59:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-8

Lab Sample ID: 200-52685-8

Client ID: SS-SV-07-021420

Operator ID: ggg

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 200.000 mL

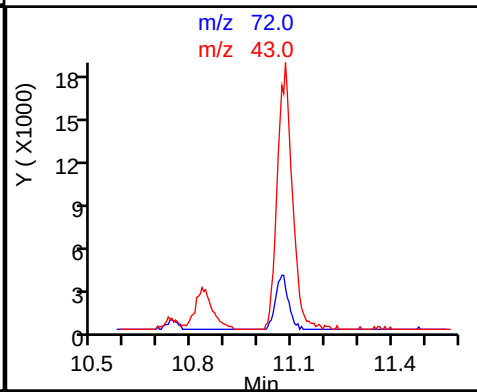
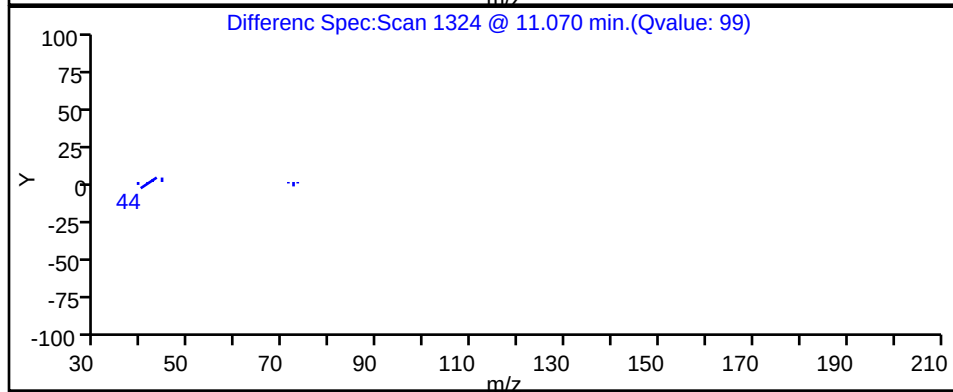
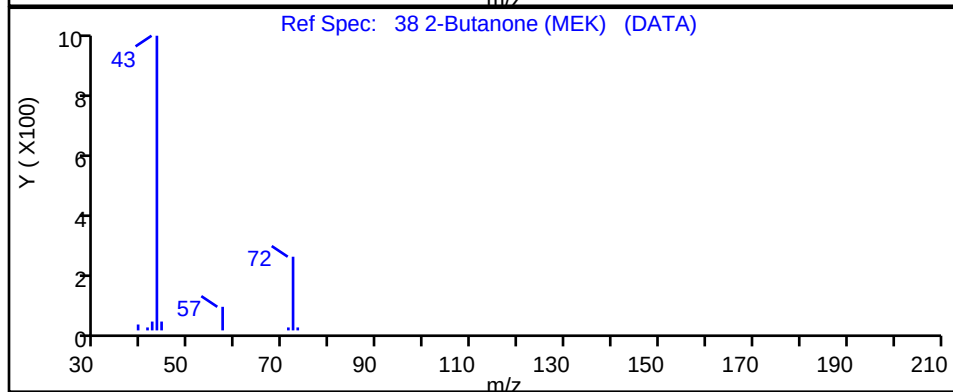
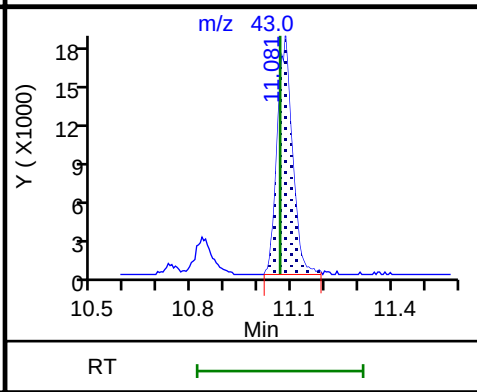
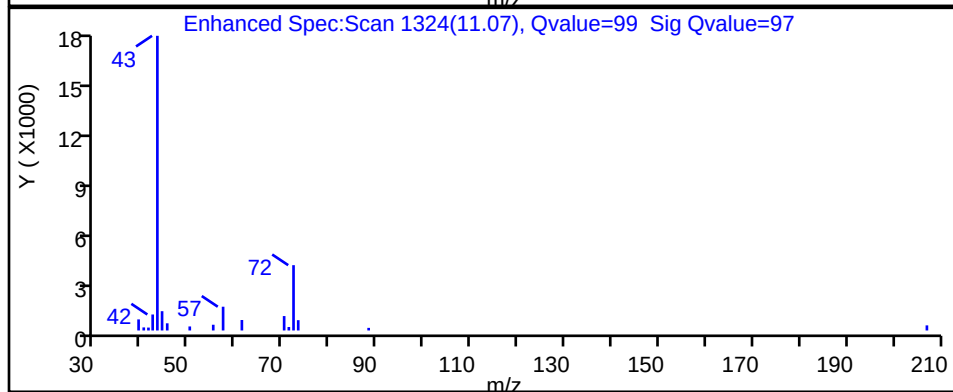
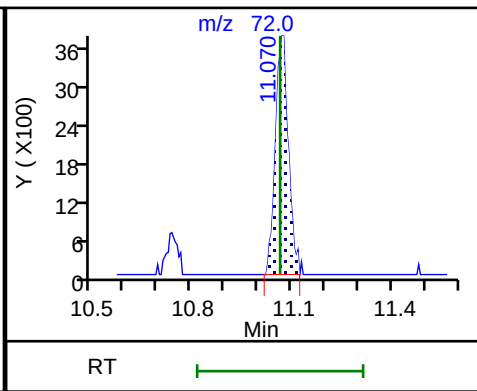
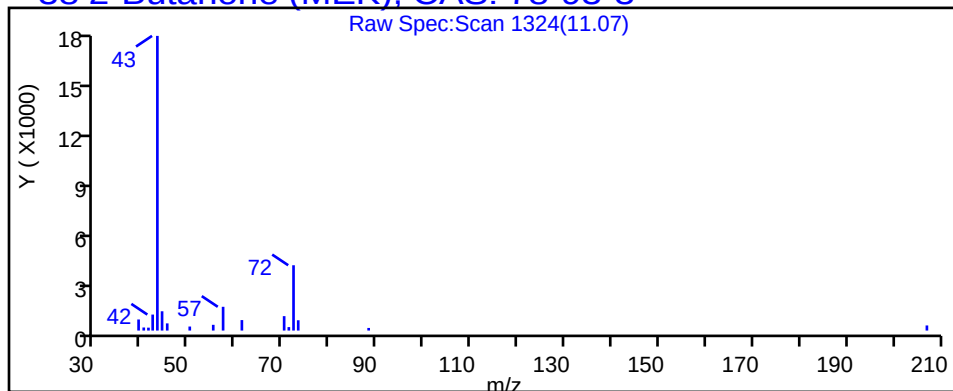
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

38 2-Butanone (MEK), CAS: 78-93-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D

Injection Date: 21-Feb-2020 13:59:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-8

Lab Sample ID: 200-52685-8

Client ID: SS-SV-07-021420

Operator ID: ggg

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 200.000 mL

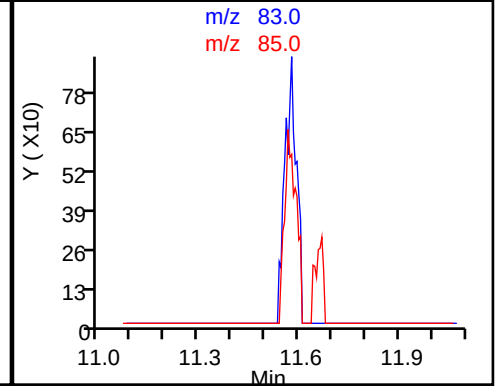
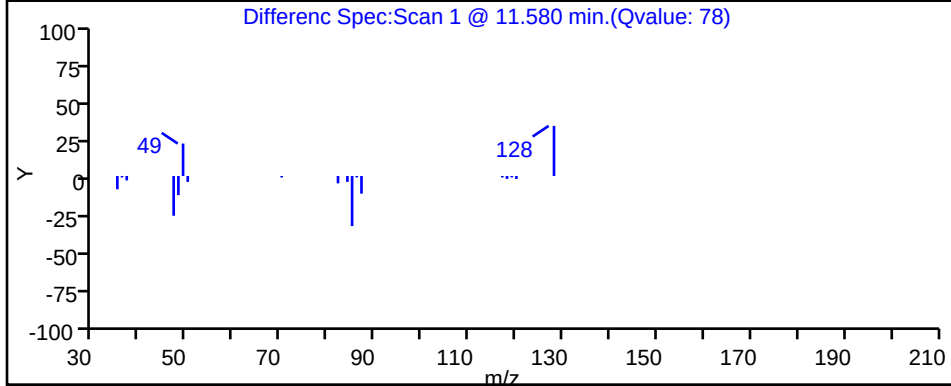
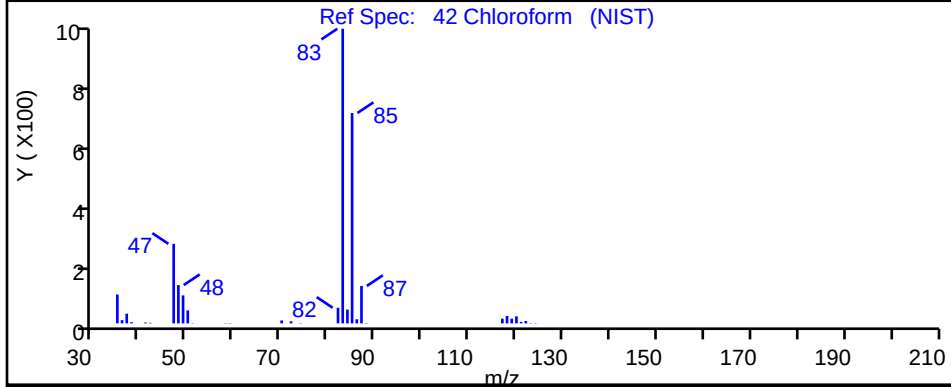
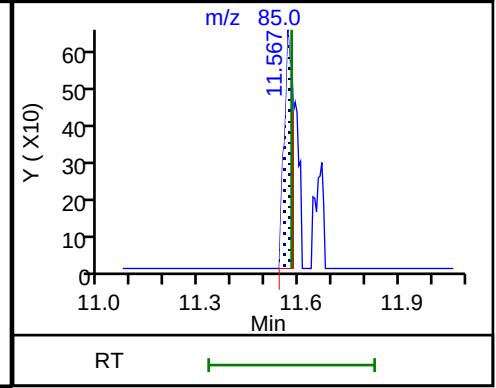
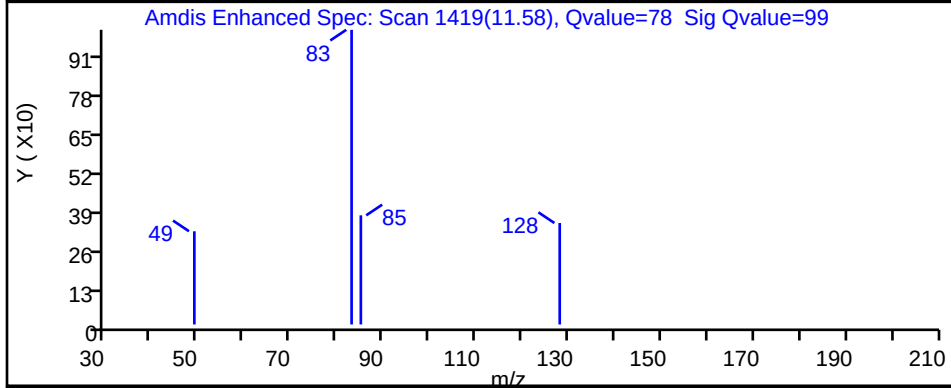
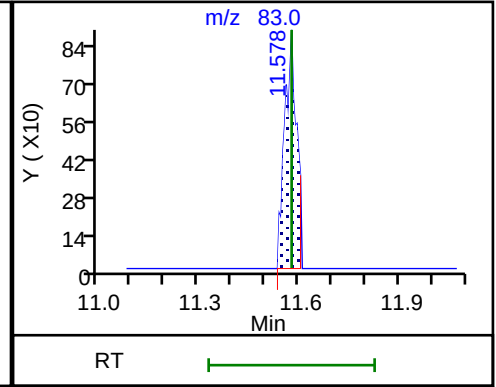
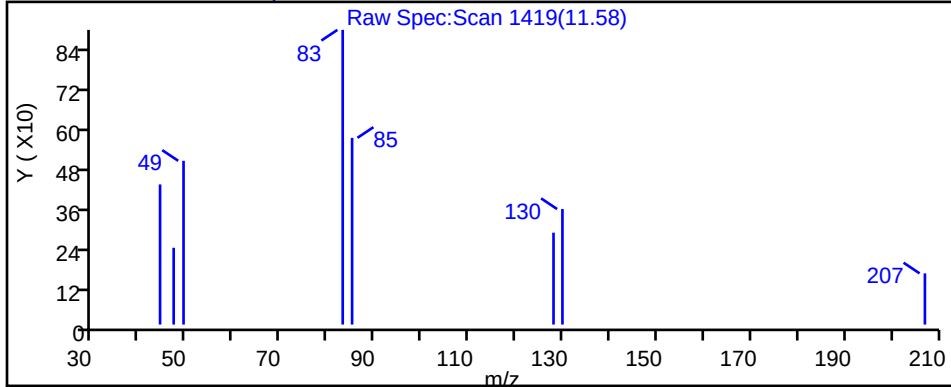
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

42 Chloroform, CAS: 67-66-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D

Injection Date: 21-Feb-2020 13:59:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-8

Lab Sample ID: 200-52685-8

Client ID: SS-SV-07-021420

Operator ID: ggg

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 200.000 mL

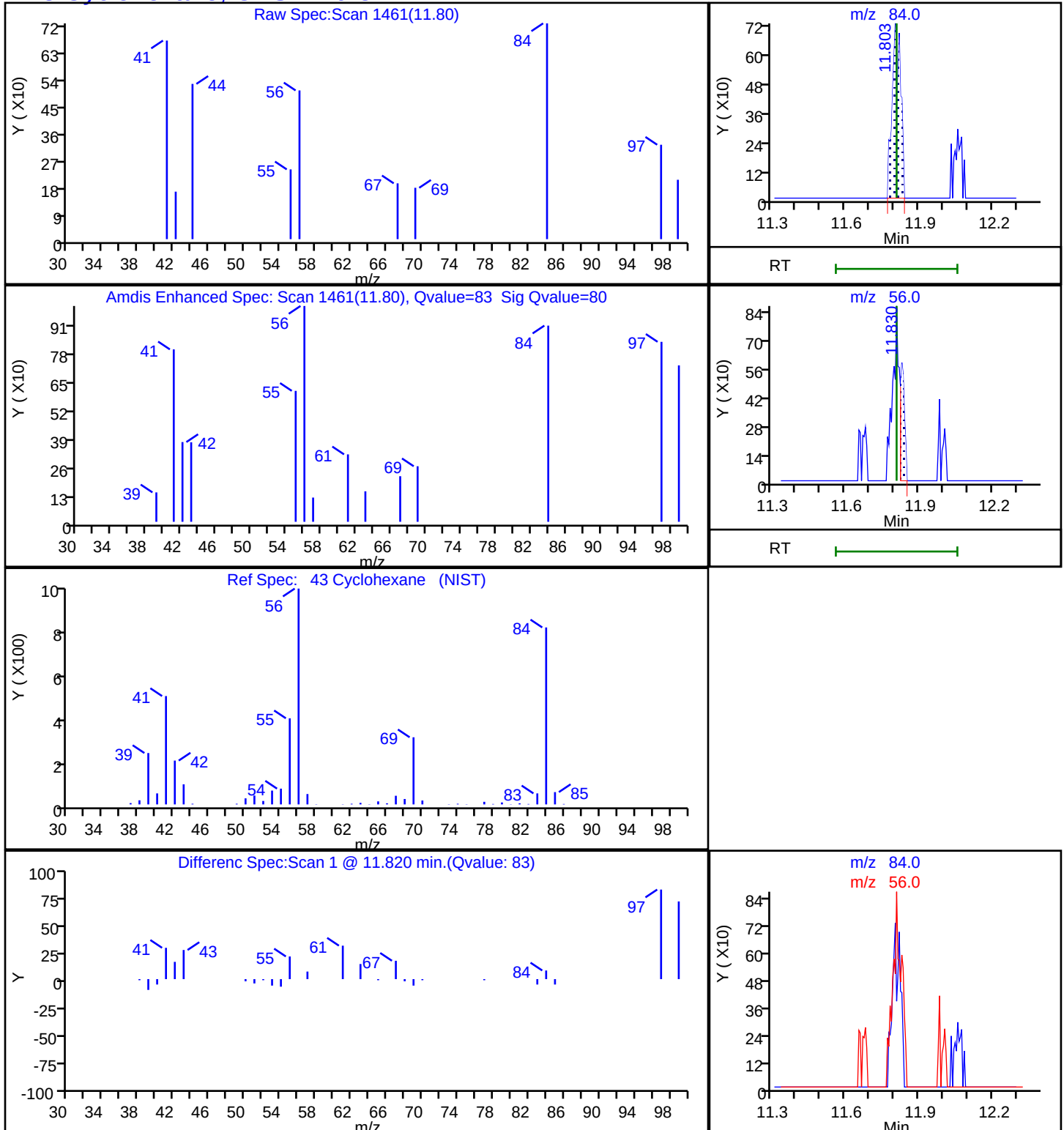
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D

Injection Date: 21-Feb-2020 13:59:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-8

Lab Sample ID: 200-52685-8

Client ID: SS-SV-07-021420

Operator ID: ggg

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

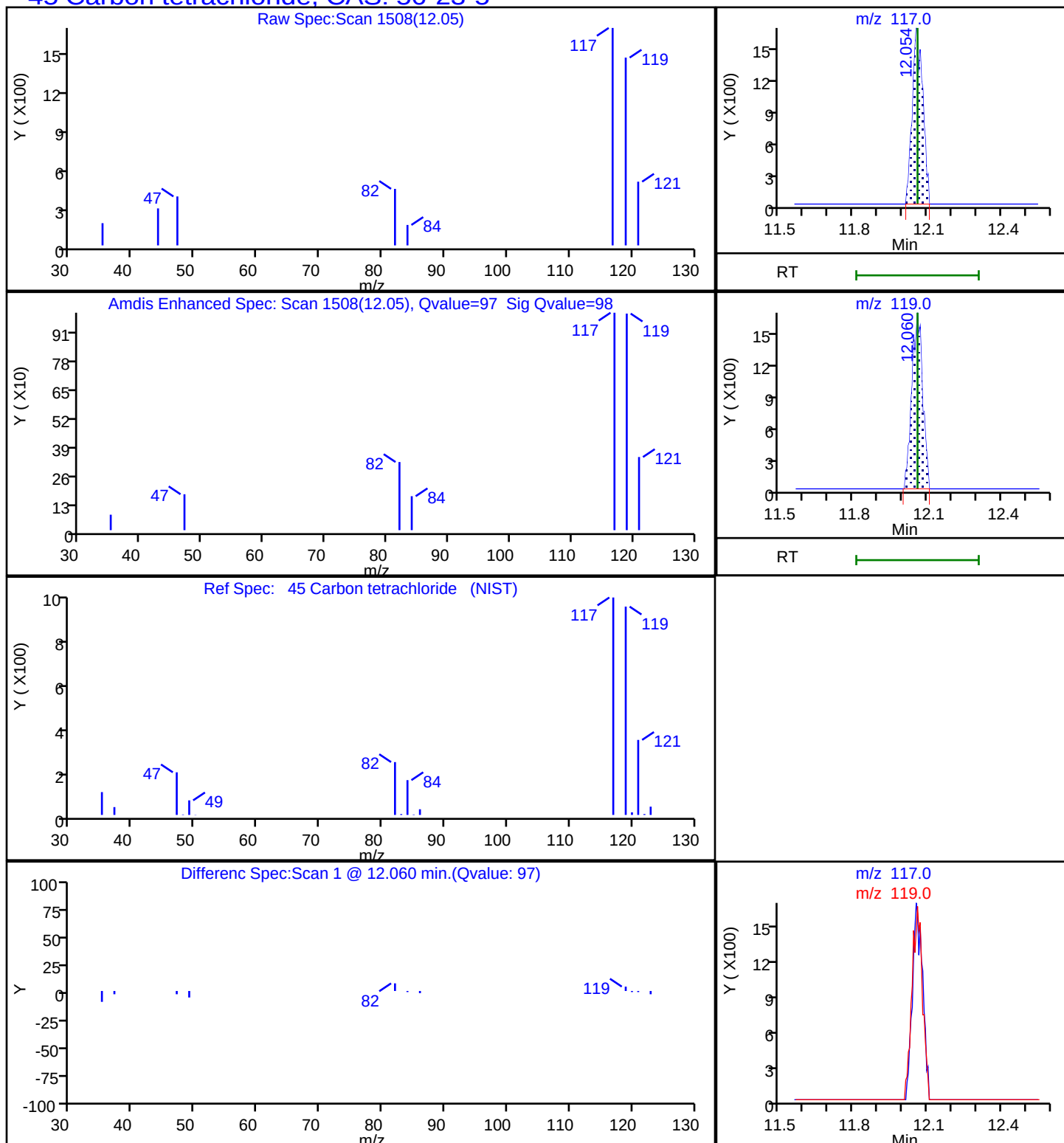
Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

45 Carbon tetrachloride, CAS: 56-23-5



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D

Injection Date: 21-Feb-2020 13:59:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-8

Lab Sample ID: 200-52685-8

Client ID: SS-SV-07-021420

Operator ID: ggg

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 200.000 mL

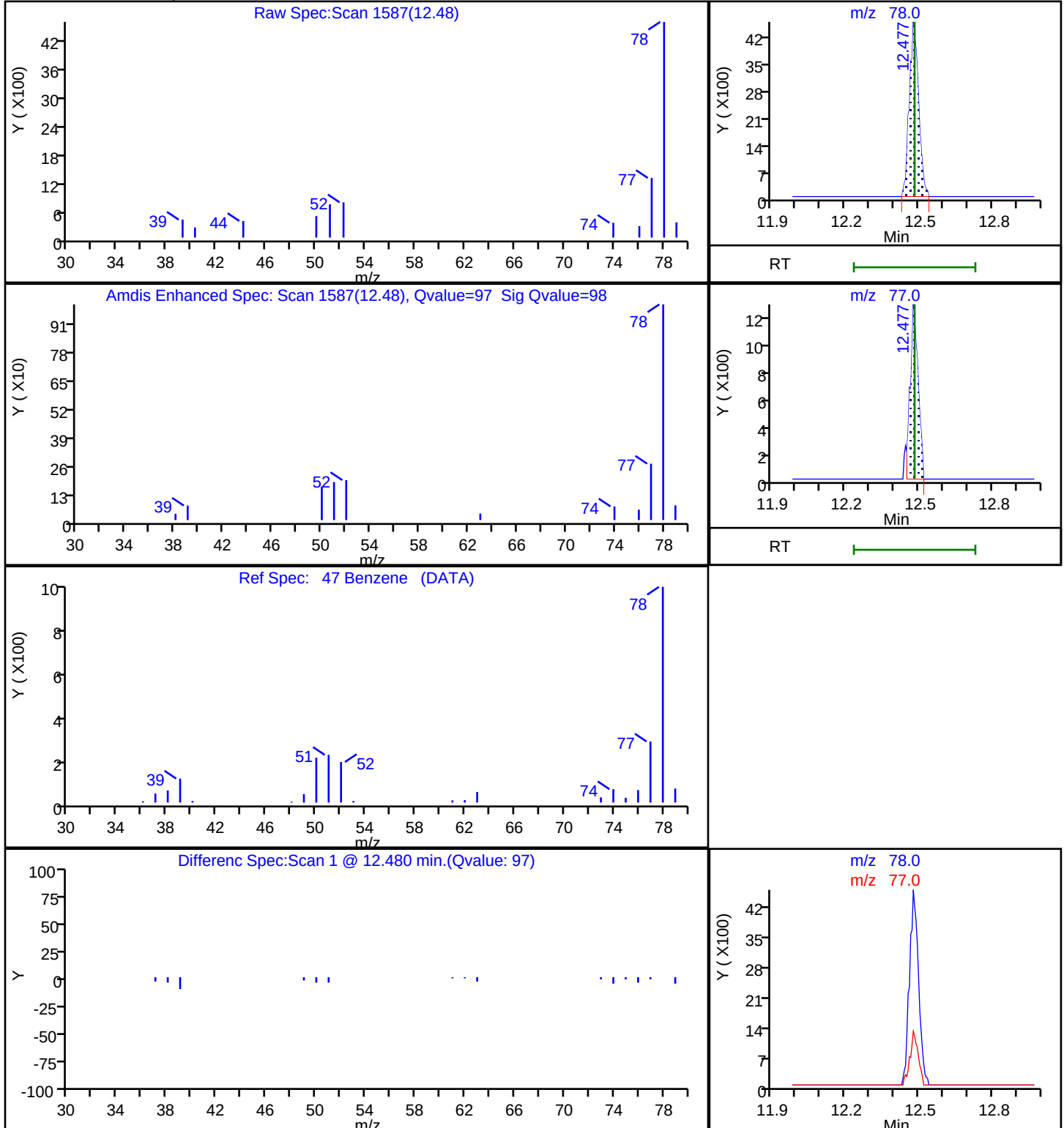
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

47 Benzene, CAS: 71-43-2

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D

Injection Date: 21-Feb-2020 13:59:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-8

Lab Sample ID: 200-52685-8

Client ID: SS-SV-07-021420

Operator ID: ggg

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 200.000 mL

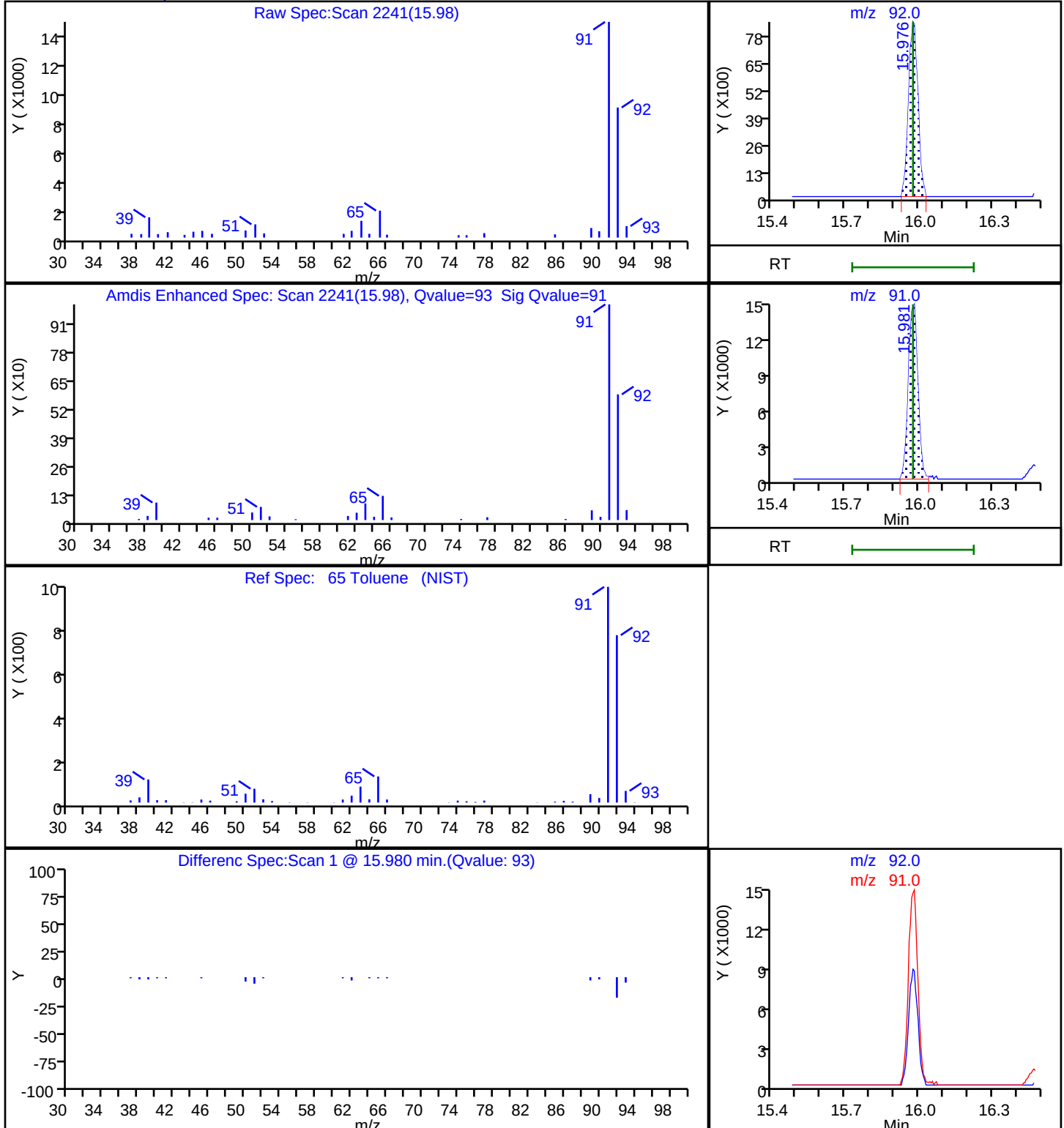
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

65 Toluene, CAS: 108-88-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D

Injection Date: 21-Feb-2020 13:59:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-8

Lab Sample ID: 200-52685-8

Client ID: SS-SV-07-021420

Operator ID: ggg

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 200.000 mL

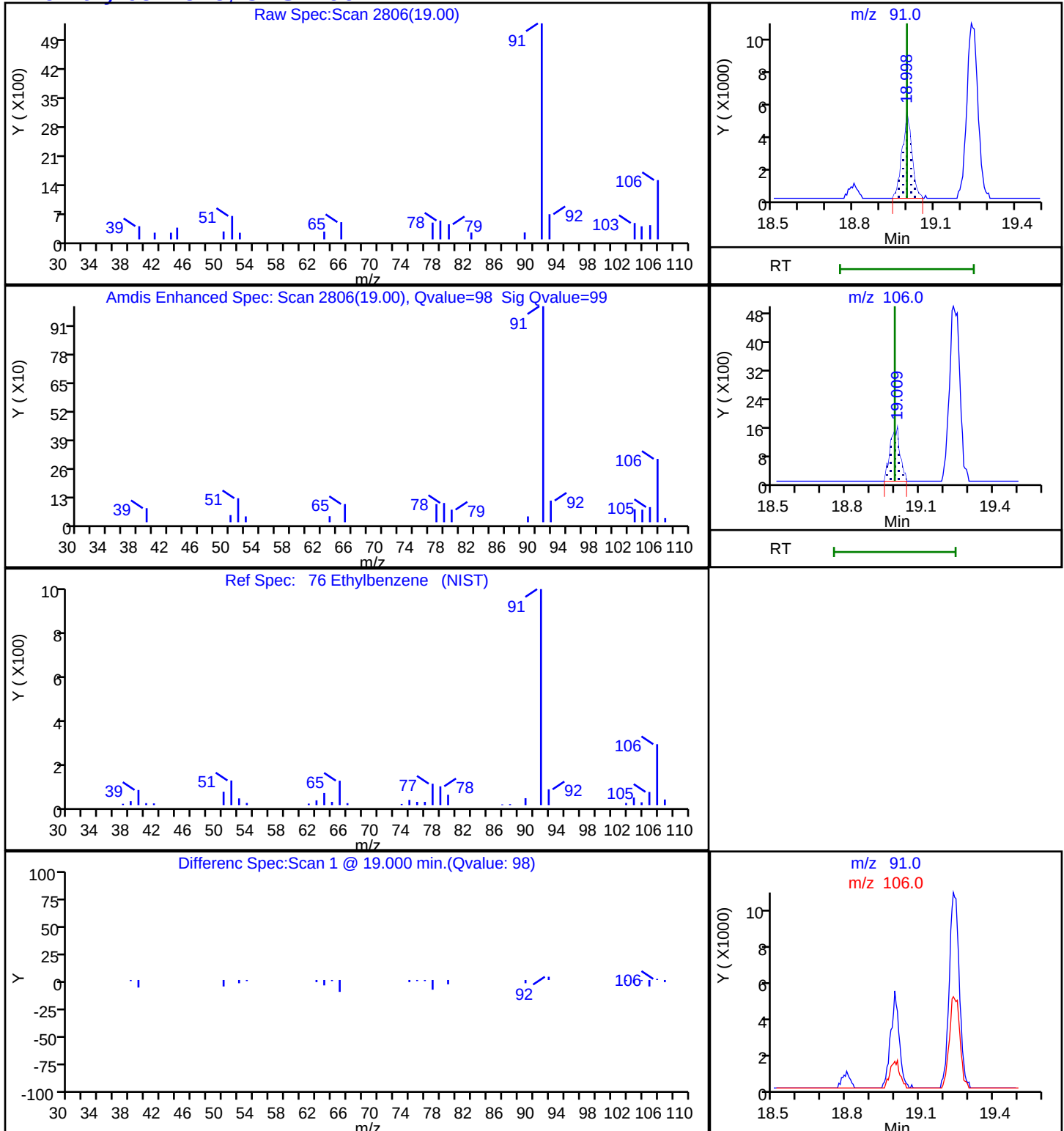
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 Ethylbenzene, CAS: 100-41-4

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D

Injection Date: 21-Feb-2020 13:59:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-8

Lab Sample ID: 200-52685-8

Client ID: SS-SV-07-021420

Operator ID: ggg

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 200.000 mL

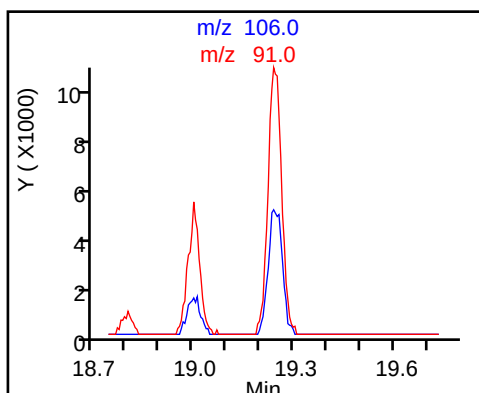
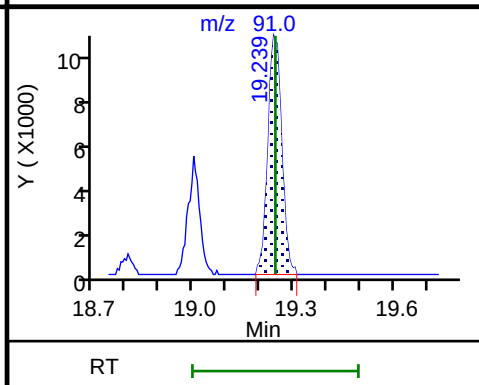
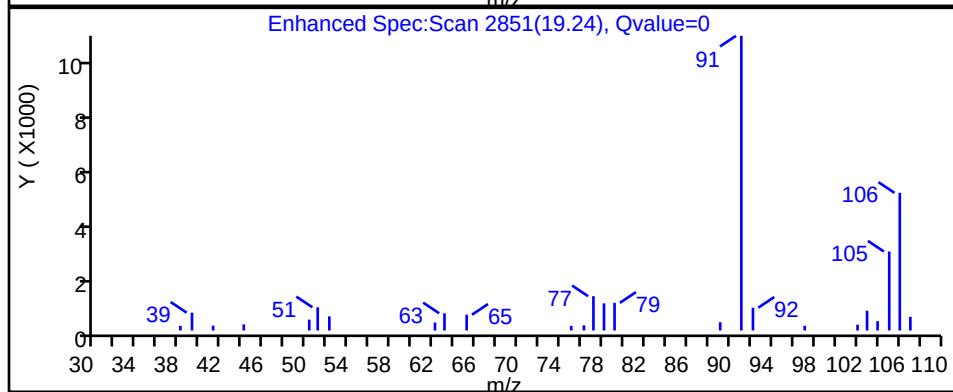
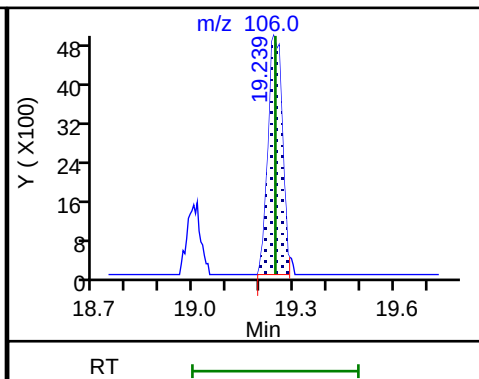
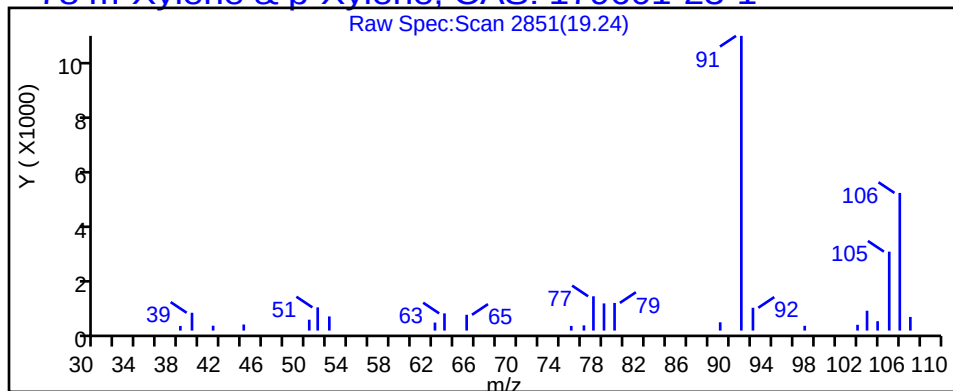
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

78 m-Xylene & p-Xylene, CAS: 179601-23-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D

Injection Date: 21-Feb-2020 13:59:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-8

Lab Sample ID: 200-52685-8

Client ID: SS-SV-07-021420

Operator ID: ggg

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

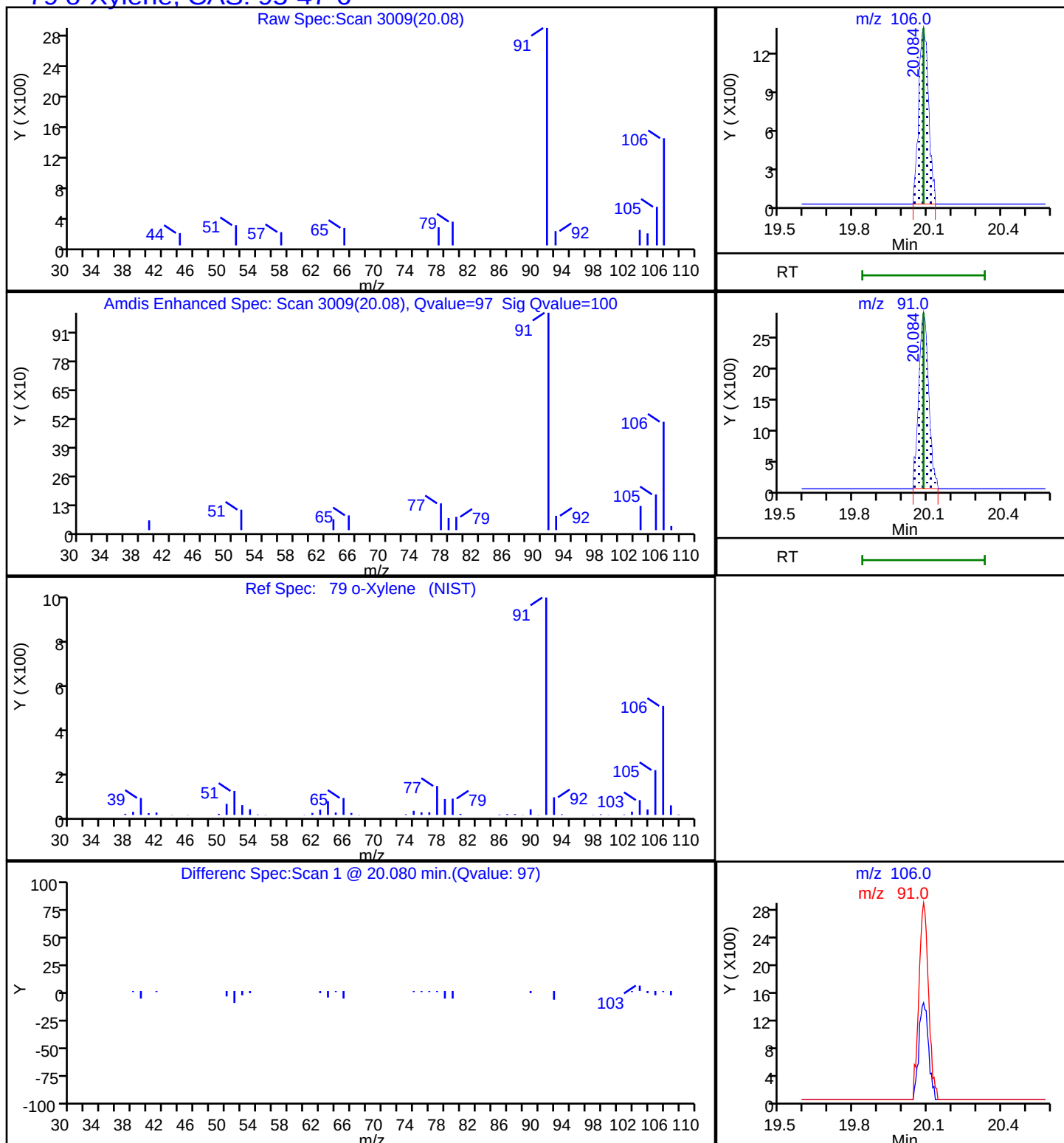
Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

79 o-Xylene, CAS: 95-47-6



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D

Injection Date: 21-Feb-2020 13:59:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-8

Lab Sample ID: 200-52685-8

Client ID: SS-SV-07-021420

Operator ID: ggg

ALS Bottle#: 9 Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

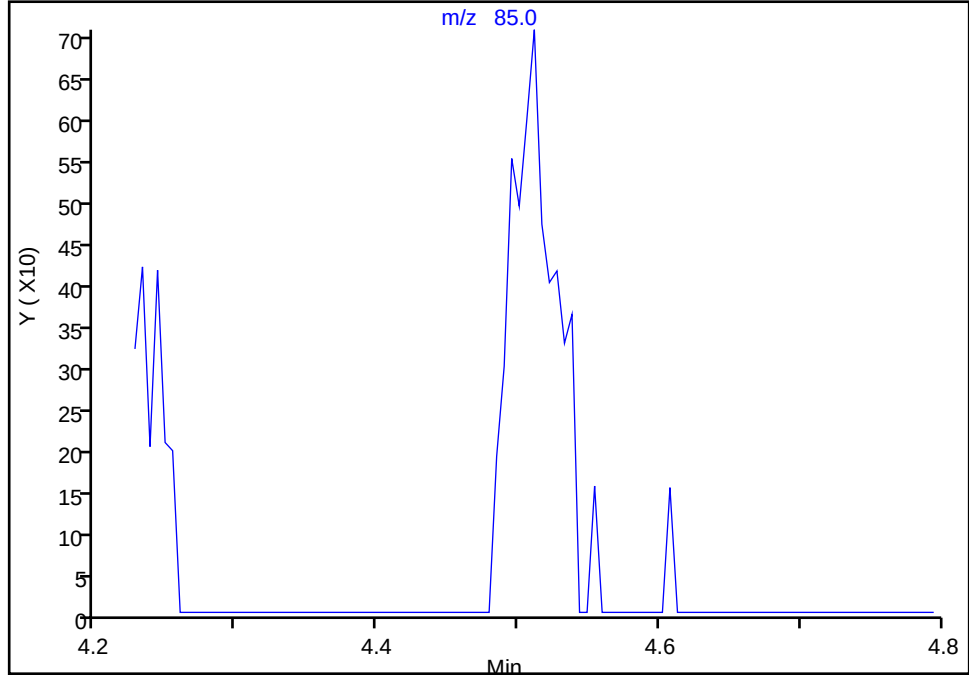
4 1,2-Dichloro-1,1,2,2-tetrafluoroethane, CAS: 76-14-2

Signal: 1

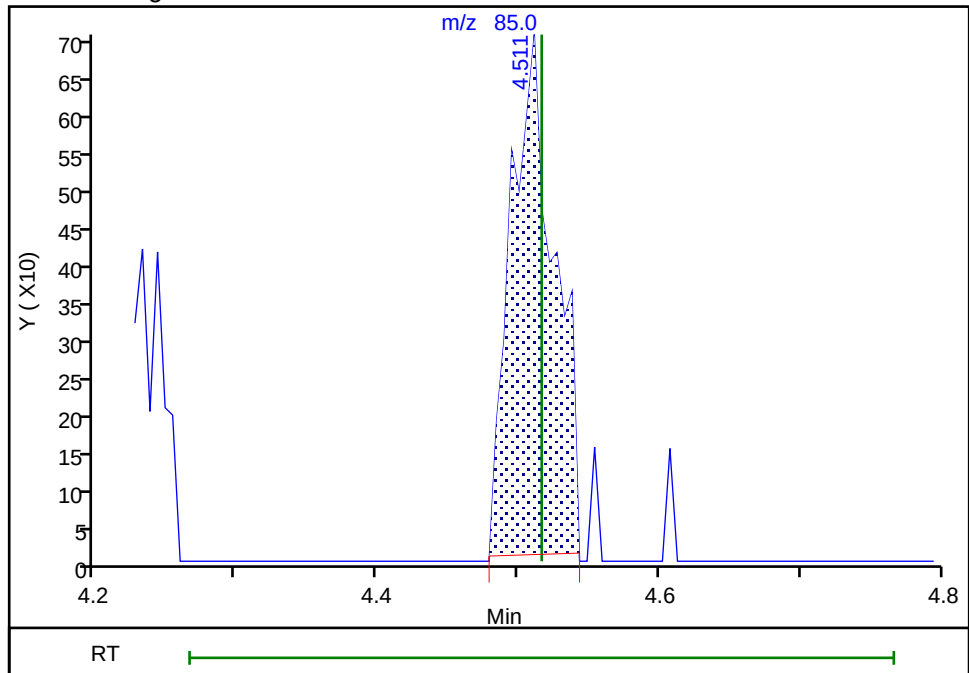
Not Detected

Expected RT: 4.52

Processing Integration Results



Manual Integration Results



Reviewer: puangmaleek, 24-Feb-2020 10:35:17

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D

Injection Date: 21-Feb-2020 13:59:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-8

Lab Sample ID: 200-52685-8

Client ID: SS-SV-07-021420

Operator ID: ggg

ALS Bottle#: 9 Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

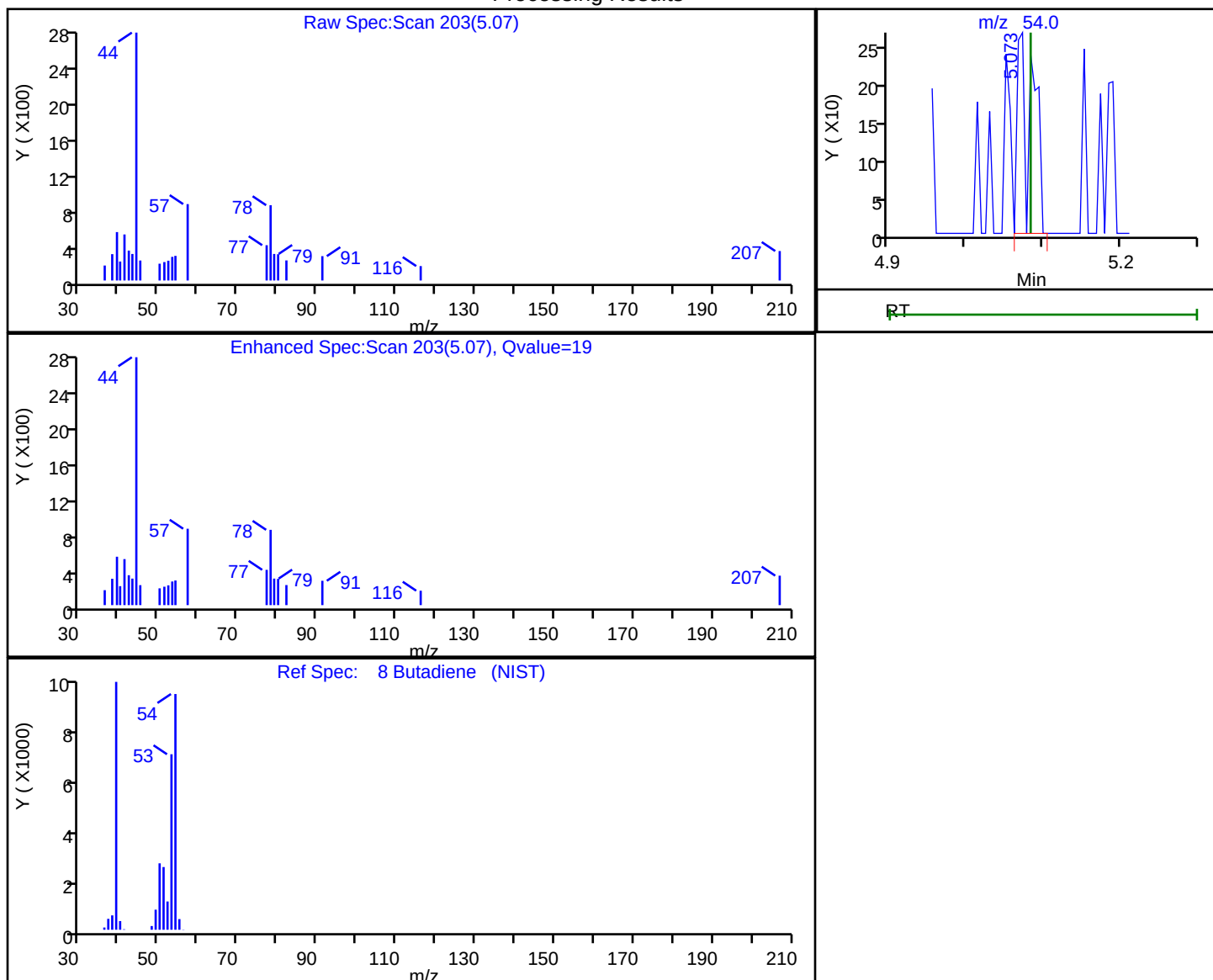
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

8 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
5.07	54.00	372	0.023897

Reviewer: puangmaleek, 24-Feb-2020 10:35:27

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D

Injection Date: 21-Feb-2020 13:59:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-8

Lab Sample ID: 200-52685-8

Client ID: SS-SV-07-021420

Operator ID: ggg

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

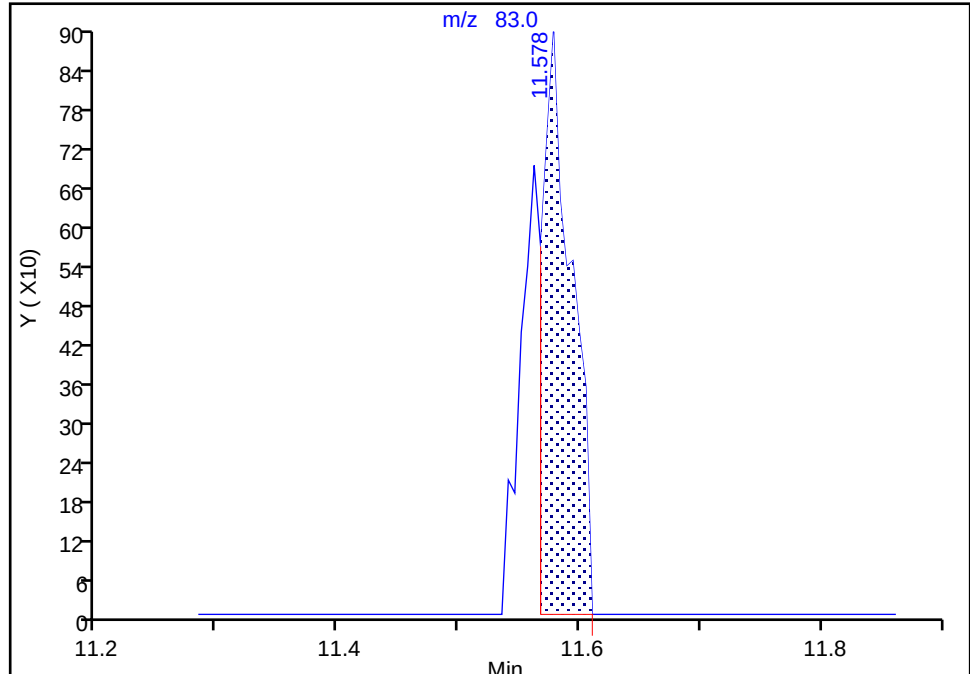
Detector: MS SCAN

42 Chloroform, CAS: 67-66-3

Signal: 1

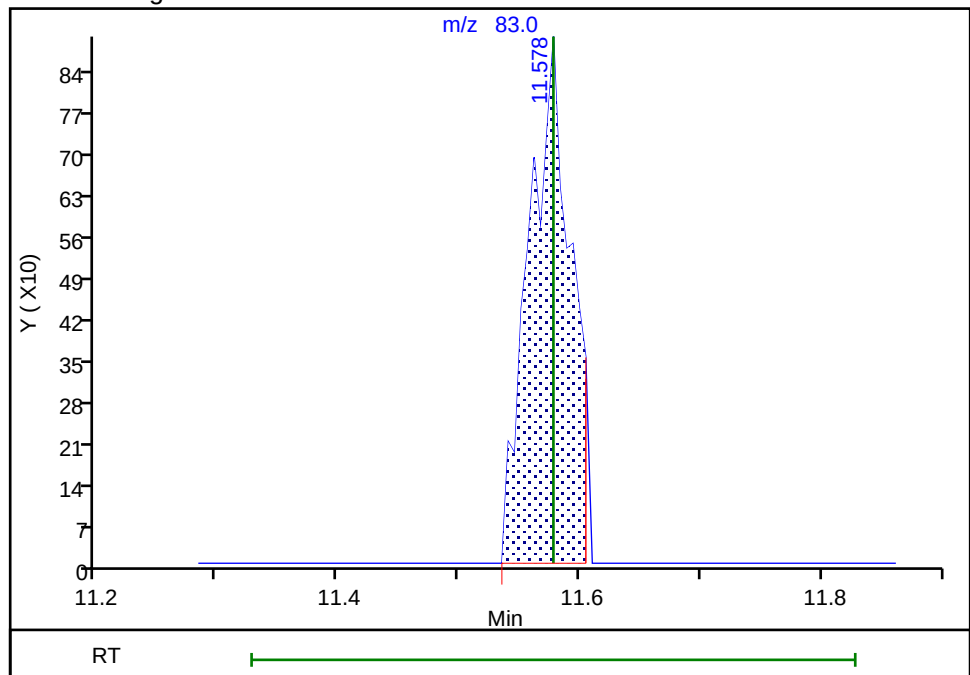
RT: 11.58
Area: 1513
Amount: 0.024924
Amount Units: ppb v/v

Processing Integration Results



RT: 11.58
Area: 2173
Amount: 0.035796
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 24-Feb-2020 10:36:00

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D

Injection Date: 21-Feb-2020 13:59:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-8

Lab Sample ID: 200-52685-8

Client ID: SS-SV-07-021420

Operator ID: ggg

ALS Bottle#: 9 Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

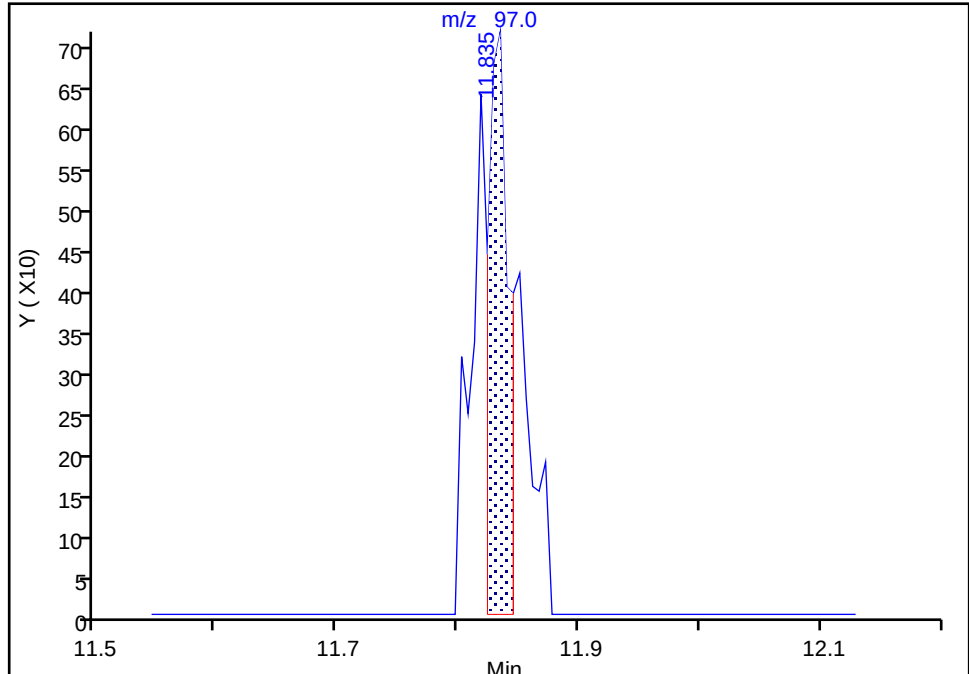
Detector: MS SCAN

44 1,1,1-Trichloroethane, CAS: 71-55-6

Signal: 1

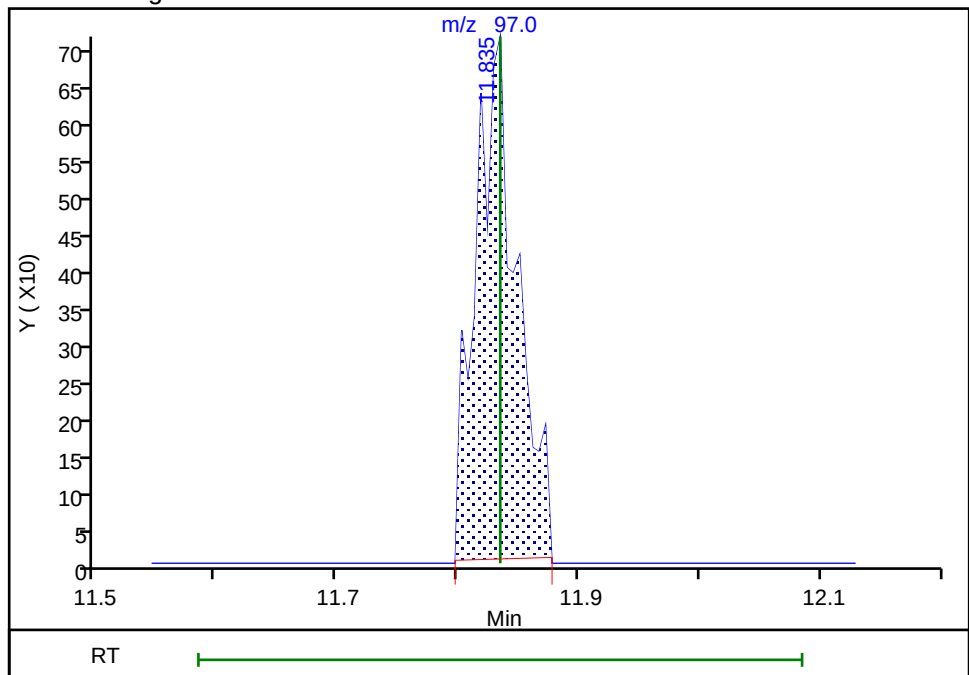
RT: 11.83
Area: 847
Amount: 0.012774
Amount Units: ppb v/v

Processing Integration Results



RT: 11.83
Area: 1693
Amount: 0.025533
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 24-Feb-2020 10:36:15

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D

Injection Date: 21-Feb-2020 13:59:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-8

Lab Sample ID: 200-52685-8

Client ID: SS-SV-07-021420

Operator ID: ggg

ALS Bottle#: 9 Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

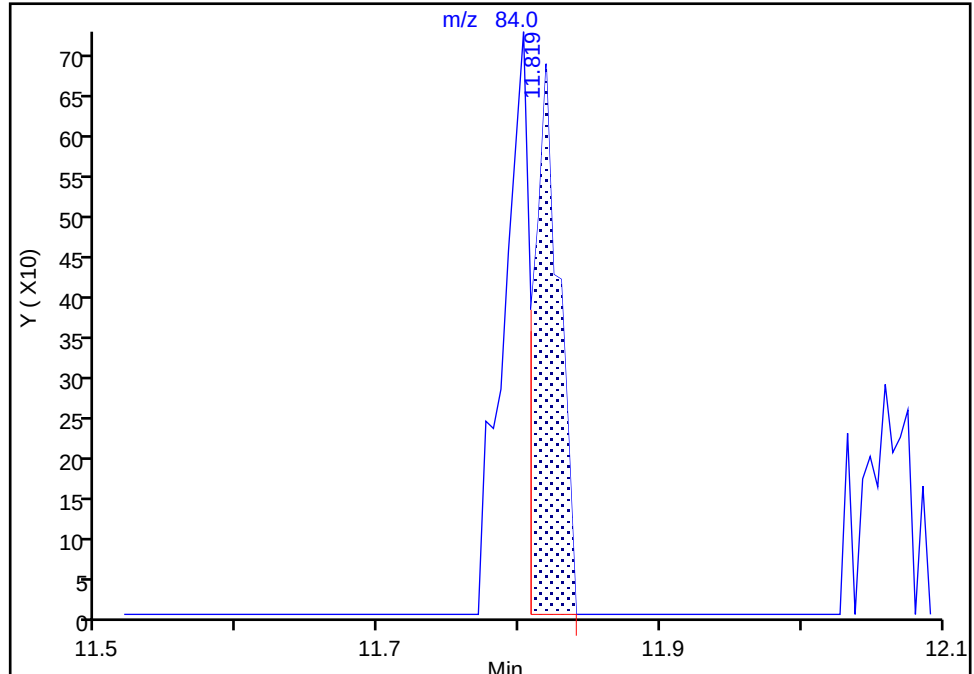
Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7

Signal: 1

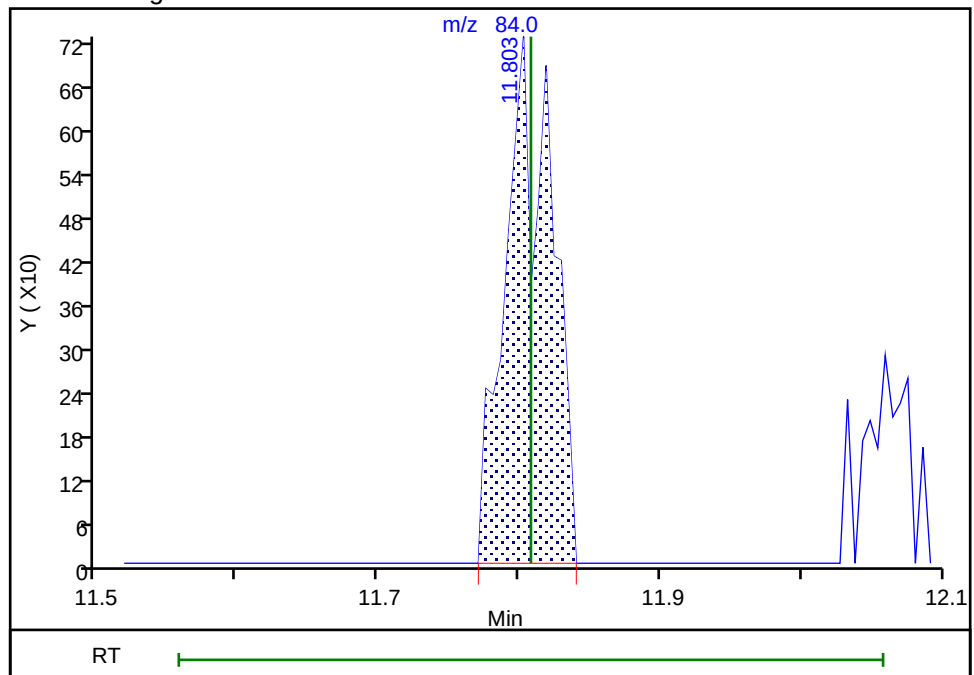
RT: 11.82
Area: 842
Amount: 0.023427
Amount Units: ppb v/v

Processing Integration Results



RT: 11.80
Area: 1652
Amount: 0.045964
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 24-Feb-2020 10:36:06

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

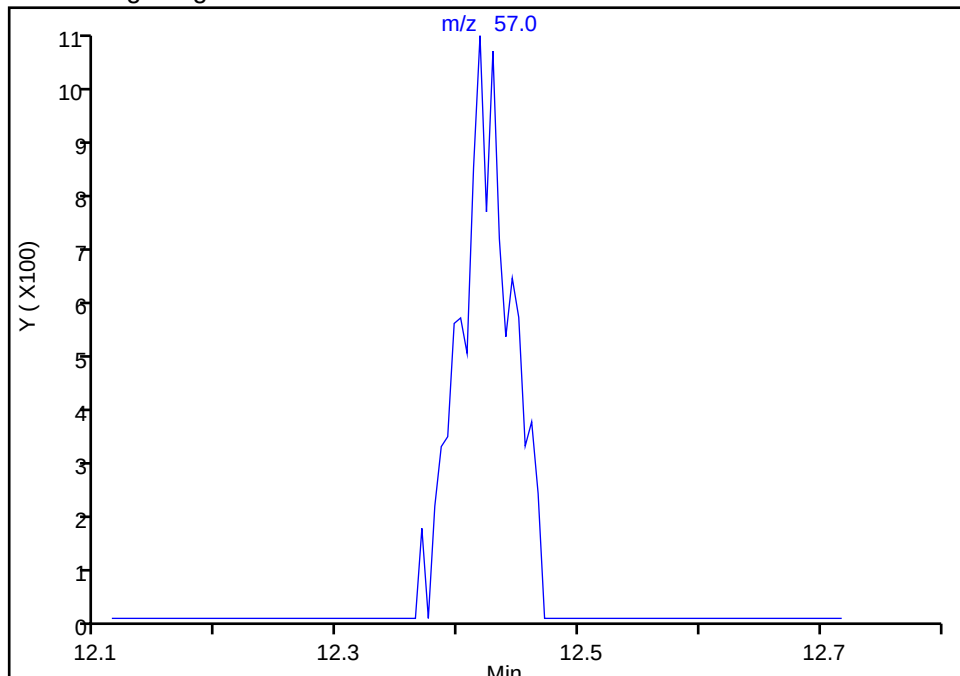
Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D
Injection Date: 21-Feb-2020 13:59:30 Instrument ID: CHX.i
Lims ID: 200-52685-A-8 Lab Sample ID: 200-52685-8
Client ID: SS-SV-07-021420
Operator ID: ggg ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

46 Isooctane, CAS: 540-84-1

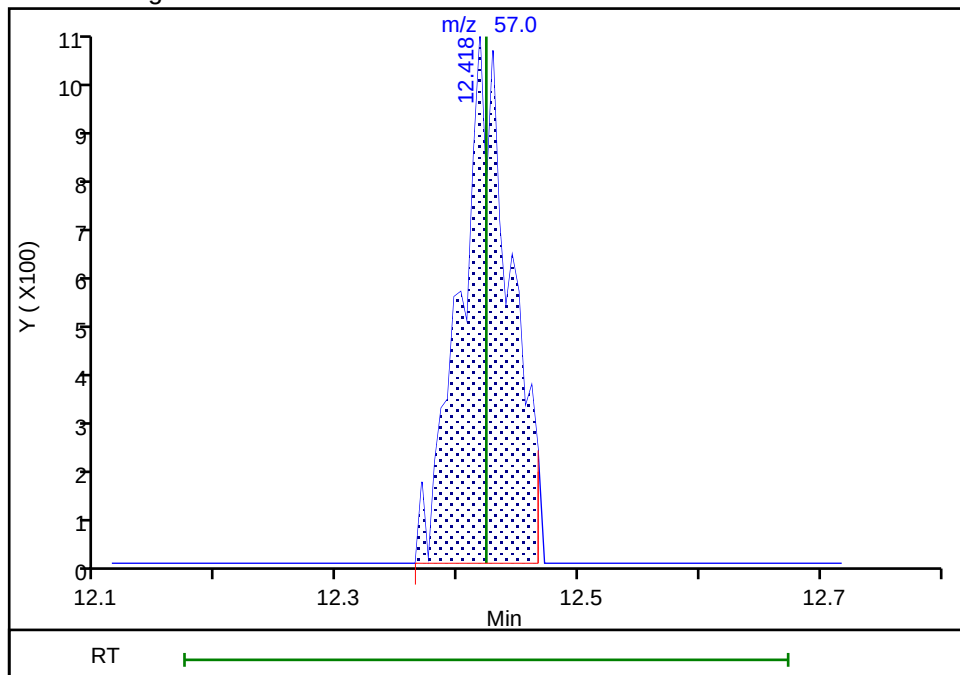
Signal: 1

Not Detected
Expected RT: 12.42

Processing Integration Results



Manual Integration Results



Reviewer: puangmaleek, 24-Feb-2020 10:36:23

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D

Injection Date: 21-Feb-2020 13:59:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-8

Lab Sample ID: 200-52685-8

Client ID: SS-SV-07-021420

Operator ID: ggg

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

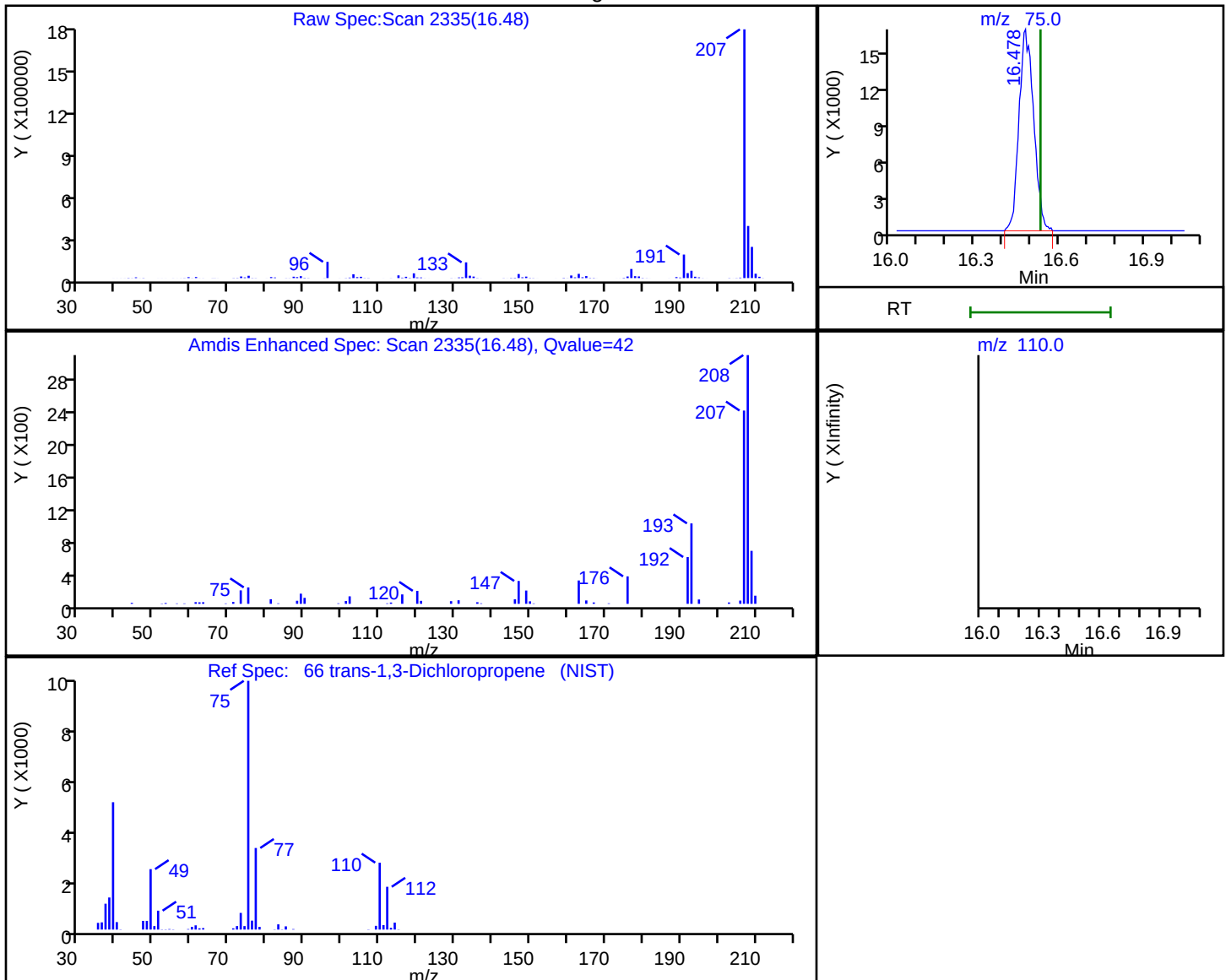
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

66 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
16.48	75.00	58322	1.314145
16.53	110.00	0	

Reviewer: puangmaleek, 24-Feb-2020 10:36:46

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D

Injection Date: 21-Feb-2020 13:59:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-8

Lab Sample ID: 200-52685-8

Client ID: SS-SV-07-021420

Operator ID: ggg

ALS Bottle#: 9 Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

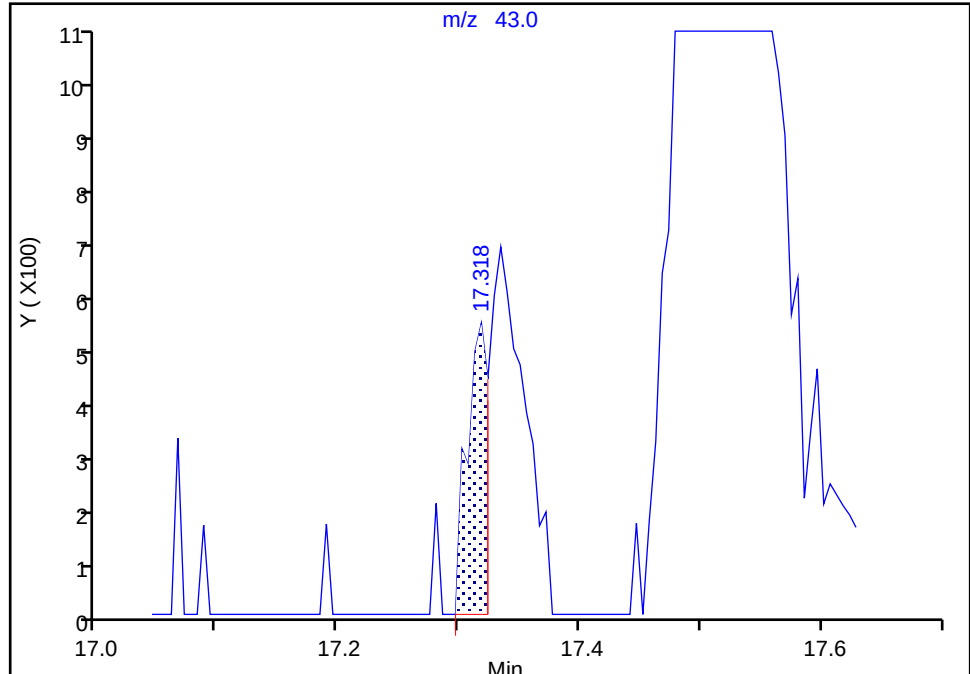
Detector: MS SCAN

69 2-Hexanone, CAS: 591-78-6

Signal: 1

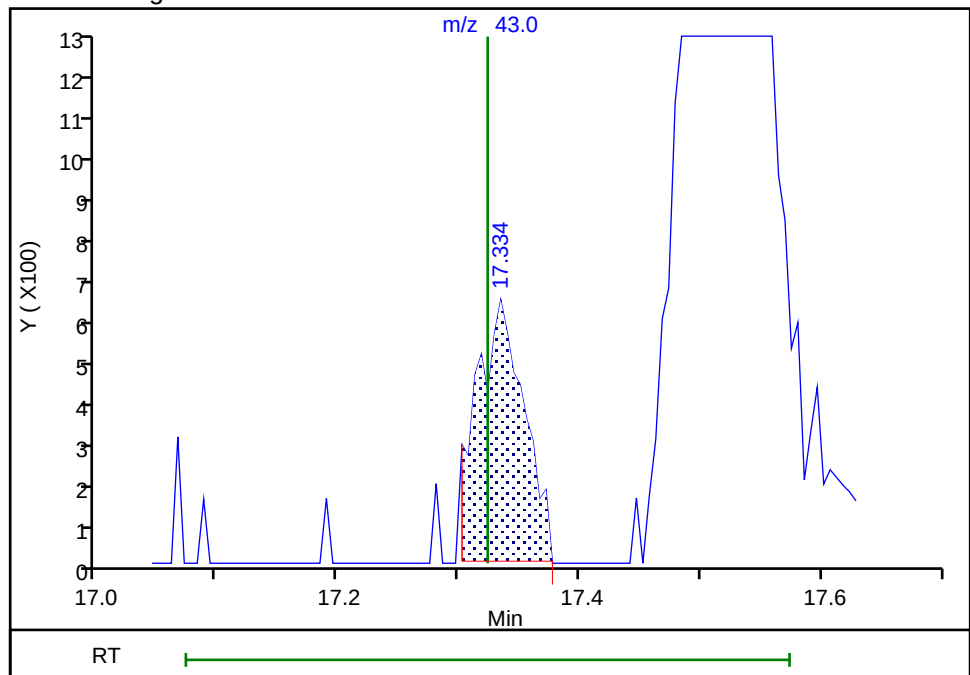
RT: 17.32
Area: 619
Amount: 0.013298
Amount Units: ppb v/v

Processing Integration Results



RT: 17.33
Area: 1765
Amount: 0.037916
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 24-Feb-2020 10:36:58

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-09.D

Injection Date: 21-Feb-2020 13:59:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-8

Lab Sample ID: 200-52685-8

Client ID: SS-SV-07-021420

Operator ID: ggg

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

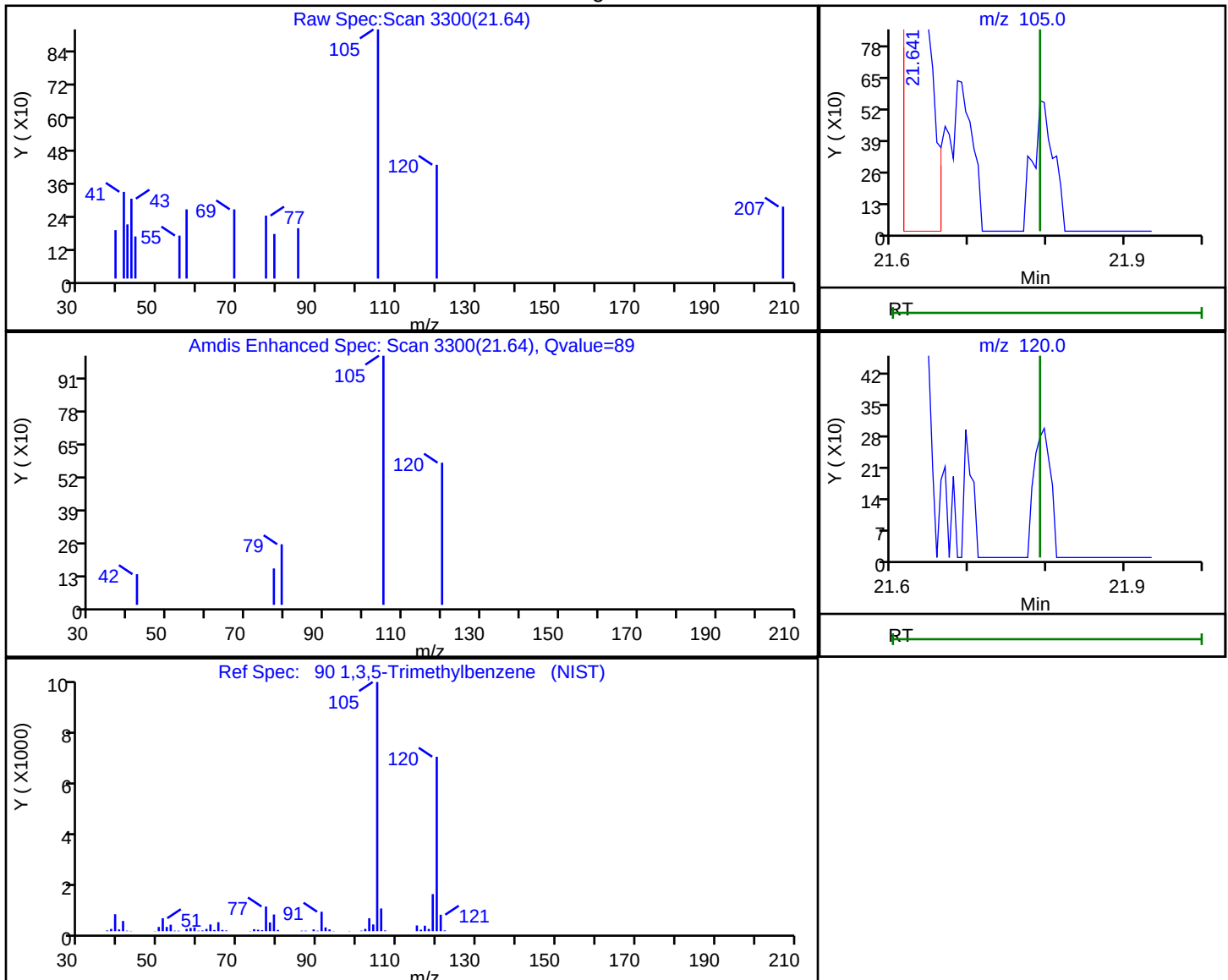
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

90 1,3,5-Trimethylbenzene, CAS: 108-67-8

Processing Results



RT	Mass	Response	Amount
21.64	105.00	1584	0.010158
21.79	120.00	0	

Reviewer: puangmaleek, 24-Feb-2020 10:37:17

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: IA-07-021420 Lab Sample ID: 200-52685-9

Matrix: Air Lab File ID: 40114-05.D

Analysis Method: TO-15 Date Collected: 02/14/2020 10:35

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 10:40

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.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.47	J	0.50	0.11
75-45-6	Freon 22	86.47	0.36	J	0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.20	0.035
74-87-3	Chloromethane	50.49	0.63		0.50	0.11
106-97-8	n-Butane	58.12	6.6		0.50	0.11
75-01-4	Vinyl chloride	62.50	ND		0.060	0.044
106-99-0	1,3-Butadiene	54.09	ND		0.20	0.057
74-83-9	Bromomethane	94.94	ND		0.20	0.051
75-00-3	Chloroethane	64.52	ND		0.50	0.054
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.20	0.052
75-69-4	Trichlorofluoromethane	137.37	0.22		0.20	0.060
76-13-1	Freon TF	187.38	0.064	J	0.20	0.038
75-35-4	1,1-Dichloroethene	96.94	ND		0.20	0.039
67-64-1	Acetone	58.08	3.3	J	5.0	1.2
67-63-0	Isopropyl alcohol	60.10	5.4		5.0	0.48
75-15-0	Carbon disulfide	76.14	0.085	J	0.50	0.074
107-05-1	3-Chloropropene	76.53	ND		0.50	0.064
75-09-2	Methylene Chloride	84.93	ND		0.50	0.27
75-65-0	tert-Butyl alcohol	74.12	0.083	J	5.0	0.038
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.20	0.033
156-60-5	trans-1,2-Dichloroethene	96.94	0.42		0.20	0.042
110-54-3	n-Hexane	86.17	ND		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	ND		0.20	0.041
78-93-3	Methyl Ethyl Ketone	72.11	0.88		0.50	0.072
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.20	0.045
540-59-0	1,2-Dichloroethene, Total	96.94	0.42		0.40	0.042
67-66-3	Chloroform	119.38	0.038	J	0.20	0.032
109-99-9	Tetrahydrofuran	72.11	ND		5.0	0.066
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.20	0.036
110-82-7	Cyclohexane	84.16	ND		0.20	0.046
56-23-5	Carbon tetrachloride	153.81	0.054	J	0.060	0.024
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.20	0.041
71-43-2	Benzene	78.11	0.14	J	0.20	0.067
107-06-2	1,2-Dichloroethane	98.96	ND		0.20	0.032

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: IA-07-021420 Lab Sample ID: 200-52685-9

Matrix: Air Lab File ID: 40114-05.D

Analysis Method: TO-15 Date Collected: 02/14/2020 10:35

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 10:40

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.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	ND		0.20	0.056
79-01-6	Trichloroethene	131.39	ND		0.060	0.035
80-62-6	Methyl methacrylate	100.12	ND		0.50	0.033
78-87-5	1,2-Dichloropropane	112.99	ND		0.20	0.033
123-91-1	1,4-Dioxane	88.11	ND		5.0	0.084
75-27-4	Bromodichloromethane	163.83	ND		0.20	0.035
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.20	0.032
108-10-1	methyl isobutyl ketone	100.16	ND		0.50	0.036
108-88-3	Toluene	92.14	0.32		0.20	0.11
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.20	0.039
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.20	0.036
127-18-4	Tetrachloroethene	165.83	ND		0.20	0.033
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		0.50	0.048
124-48-1	Dibromochloromethane	208.29	ND		0.20	0.036
106-93-4	1,2-Dibromoethane	187.87	ND		0.20	0.049
108-90-7	Chlorobenzene	112.56	ND		0.20	0.056
100-41-4	Ethylbenzene	106.17	ND		0.20	0.063
179601-23-1	m,p-Xylene	106.17	0.14	J	0.50	0.10
95-47-6	Xylene, o-	106.17	ND		0.20	0.048
1330-20-7	Xylene (total)	106.17	0.14	J	0.70	0.048
100-42-5	Styrene	104.15	ND		0.20	0.040
75-25-2	Bromoform	252.75	ND		0.20	0.048
98-82-8	Cumene	120.19	ND		0.20	0.035
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.20	0.042
103-65-1	n-Propylbenzene	120.19	ND		0.20	0.039
622-96-8	4-Ethyltoluene	120.20	ND		0.20	0.041
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.20	0.039
95-49-8	2-Chlorotoluene	126.59	ND		0.20	0.042
98-06-6	tert-Butylbenzene	134.22	ND		0.20	0.035
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.20	0.044
135-98-8	sec-Butylbenzene	134.22	ND		0.20	0.035
99-87-6	4-Isopropyltoluene	134.22	ND		0.20	0.039
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.20	0.11
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.20	0.12

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.: _____
Client Sample ID: IA-07-021420 Lab Sample ID: 200-52685-9
Matrix: Air Lab File ID: 40114-05.D
Analysis Method: TO-15 Date Collected: 02/14/2020 10:35
Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 10:40
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.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		0.20	0.085
104-51-8	n-Butylbenzene	134.22	ND		0.20	0.039
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.20	0.097
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.50	0.22
87-68-3	Hexachlorobutadiene	260.76	ND		0.20	0.076
91-20-3	Naphthalene	128.17	ND		0.50	0.17

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: IA-07-021420 Lab Sample ID: 200-52685-9

Matrix: Air Lab File ID: 40114-05.D

Analysis Method: TO-15 Date Collected: 02/14/2020 10:35

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 10:40

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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.3	J	2.5	0.54
75-45-6	Freon 22	86.47	1.3	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	0.24
74-87-3	Chloromethane	50.49	1.3		1.0	0.23
106-97-8	n-Butane	58.12	16		1.2	0.26
75-01-4	Vinyl chloride	62.50	ND		0.15	0.11
106-99-0	1,3-Butadiene	54.09	ND		0.44	0.13
74-83-9	Bromomethane	94.94	ND		0.78	0.20
75-00-3	Chloroethane	64.52	ND		1.3	0.14
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.87	0.23
75-69-4	Trichlorofluoromethane	137.37	1.2		1.1	0.34
76-13-1	Freon TF	187.38	0.49	J	1.5	0.29
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	0.15
67-64-1	Acetone	58.08	7.8	J	12	2.9
67-63-0	Isopropyl alcohol	60.10	13		12	1.2
75-15-0	Carbon disulfide	76.14	0.27	J	1.6	0.23
107-05-1	3-Chloropropene	76.53	ND		1.6	0.20
75-09-2	Methylene Chloride	84.93	ND		1.7	0.94
75-65-0	tert-Butyl alcohol	74.12	0.25	J	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.72	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	1.7		0.79	0.17
110-54-3	n-Hexane	86.17	ND		0.70	0.70
75-34-3	1,1-Dichloroethane	98.96	ND		0.81	0.17
78-93-3	Methyl Ethyl Ketone	72.11	2.6		1.5	0.21
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.79	0.18
540-59-0	1,2-Dichloroethene, Total	96.94	1.7		1.6	0.17
67-66-3	Chloroform	119.38	0.18	J	0.98	0.16
109-99-9	Tetrahydrofuran	72.11	ND		15	0.19
71-55-6	1,1,1-Trichloroethane	133.41	ND		1.1	0.20
110-82-7	Cyclohexane	84.16	ND		0.69	0.16
56-23-5	Carbon tetrachloride	153.81	0.34	J	0.38	0.15
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	0.19
71-43-2	Benzene	78.11	0.44	J	0.64	0.21
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	0.13

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: IA-07-021420 Lab Sample ID: 200-52685-9

Matrix: Air Lab File ID: 40114-05.D

Analysis Method: TO-15 Date Collected: 02/14/2020 10:35

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 10:40

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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	ND		0.82	0.23
79-01-6	Trichloroethene	131.39	ND		0.32	0.19
80-62-6	Methyl methacrylate	100.12	ND		2.0	0.14
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.15
123-91-1	1,4-Dioxane	88.11	ND		18	0.30
75-27-4	Bromodichloromethane	163.83	ND		1.3	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	0.15
108-10-1	methyl isobutyl ketone	100.16	ND		2.0	0.15
108-88-3	Toluene	92.14	1.2		0.75	0.41
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	0.18
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	0.20
127-18-4	Tetrachloroethene	165.83	ND		1.4	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		2.0	0.20
124-48-1	Dibromochloromethane	208.29	ND		1.7	0.31
106-93-4	1,2-Dibromoethane	187.87	ND		1.5	0.38
108-90-7	Chlorobenzene	112.56	ND		0.92	0.26
100-41-4	Ethylbenzene	106.17	ND		0.87	0.27
179601-23-1	m,p-Xylene	106.17	0.61	J	2.2	0.43
95-47-6	Xylene, o-	106.17	ND		0.87	0.21
1330-20-7	Xylene (total)	106.17	0.61	J	3.0	0.21
100-42-5	Styrene	104.15	ND		0.85	0.17
75-25-2	Bromoform	252.75	ND		2.1	0.50
98-82-8	Cumene	120.19	ND		0.98	0.17
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	0.29
103-65-1	n-Propylbenzene	120.19	ND		0.98	0.19
622-96-8	4-Ethyltoluene	120.20	ND		0.98	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.98	0.19
95-49-8	2-Chlorotoluene	126.59	ND		1.0	0.22
98-06-6	tert-Butylbenzene	134.22	ND		1.1	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.98	0.22
135-98-8	sec-Butylbenzene	134.22	ND		1.1	0.19
99-87-6	4-Isopropyltoluene	134.22	ND		1.1	0.21
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.2	0.66
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.2	0.72

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: IA-07-021420 Lab Sample ID: 200-52685-9
 Matrix: Air Lab File ID: 40114-05.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 10:35
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 10:40
 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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		1.0	0.44
104-51-8	n-Butylbenzene	134.22	ND		1.1	0.21
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	0.58
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3.7	1.6
87-68-3	Hexachlorobutadiene	260.76	ND		2.1	0.81
91-20-3	Naphthalene	128.17	ND		2.6	0.89

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-05.D
 Lims ID: 200-52685-A-9
 Client ID: IA-07-021420
 Sample Type: Client
 Inject. Date: 21-Feb-2020 10:40:30 ALS Bottle#: 5 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0040114-005
 Operator ID: ggg Instrument ID: CHX.i
 Method: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 24-Feb-2020 10:24:33 Calib Date: 22-Jan-2020 04:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-16.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0337

First Level Reviewer: puangmaleek

Date: 24-Feb-2020 10:24:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.185	4.185	0.000	99	45499	0.4733	
3 Chlorodifluoromethane	51	4.244	4.249	-0.005	97	19530	0.3621	
4 1,2-Dichloro-1,1,2,2-tetra	85	4.511	4.511	-0.005	8	1726	0.0158	7M
5 Chloromethane	50	4.693	4.704	-0.011	99	21739	0.6266	
6 Butane	43	4.939	4.934	0.005	98	286123	6.63	
7 Vinyl chloride	62		4.993				ND	
8 Butadiene	54		5.083				ND	
10 Bromomethane	94		5.870				ND	
11 Chloroethane	64		6.121				ND	
13 Vinyl bromide	106		6.539				ND	
14 Trichlorofluoromethane	101	6.630	6.630	0.000	99	23564	0.2170	
20 1,1,2-Trichloro-1,2,2-trif	101	7.694	7.689	0.005	91	5023	0.0636	
21 1,1-Dichloroethene	96		7.753				ND	
22 Acetone	43	7.967	7.967	0.000	98	134137	3.27	
23 Carbon disulfide	76	8.149	8.160	0.000	95	7636	0.0854	
24 Isopropyl alcohol	45	8.224	8.218	0.006	100	189080	5.40	
25 3-Chloro-1-propene	41		8.491				ND	U
27 Methylene Chloride	49	8.769	8.786	-0.006	80	2435	0.0929	
28 2-Methyl-2-propanol	59	8.973	8.945	0.032	87	4272	0.0826	
29 Methyl tert-butyl ether	73		9.128				ND	
31 trans-1,2-Dichloroethene	61	9.176	9.181	-0.005	89	17326	0.4224	
33 Hexane	57	9.529	9.523	0.011	89	2645	0.0649	
S 30 1,2-Dichloroethene, Total	61				0		0.4224	
34 1,1-Dichloroethane	63		10.000				ND	
37 cis-1,2-Dichloroethene	96		11.032				ND	
38 2-Butanone (MEK)	72	11.075	11.070	0.011	99	13777	0.8849	
* 40 Chlorobromomethane	128	11.466	11.466	0.000	73	276107	10.0	
41 Tetrahydrofuran	42		11.471				ND	
42 Chloroform	83	11.583	11.584	0.005	89	2751	0.0378	
43 Cyclohexane	84	11.803	11.808	-0.005	94	1702	0.0383	
44 1,1,1-Trichloroethane	97	11.830	11.835	-0.005	75	1389	0.0170	
45 Carbon tetrachloride	117	12.065	12.059	0.006	96	4820	0.0541	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
46 Isooctane	57	12.429	12.429	0.006	69	3709	0.0296	Ma
47 Benzene	78	12.488	12.482	0.006	94	13866	0.1380	
48 1,2-Dichloroethane	62		12.648				ND	
49 n-Heptane	43		12.766				ND	
* 50 1,4-Difluorobenzene	114	13.215	13.220	-0.005	92	1283248	10.0	
53 Trichloroethene	95		13.638				ND	
54 1,2-Dichloropropane	63		14.130				ND	
55 Methyl methacrylate	69		14.248				ND	
56 1,4-Dioxane	88		14.317				ND	
58 Dichlorobromomethane	83		14.617				ND	
60 cis-1,3-Dichloropropene	75		15.446				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.692				ND	
65 Toluene	92	15.981	15.975	0.006	93	24171	0.3204	
66 trans-1,3-Dichloropropene	75		16.532				ND	
67 1,1,2-Trichloroethane	83		16.901				ND	
68 Tetrachloroethene	166	16.997	16.997	0.000	89	2101	0.0223	
69 2-Hexanone	43		17.324				ND	
71 Chlorodibromomethane	129		17.650				ND	
72 Ethylene Dibromide	107		17.917				ND	
* 74 Chlorobenzene-d5	117	18.795	18.800	-0.005	84	1185871	10.0	
75 Chlorobenzene	112		18.859				ND	
76 Ethylbenzene	91	18.998	18.998	0.000	95	8728	0.0477	
78 m-Xylene & p-Xylene	106	19.250	19.244	0.006	0	10868	0.1408	
S 73 Xylenes, Total	106				0		0.1802	
79 o-Xylene	106	20.084	20.084	0.000	97	2926	0.0394	M
80 Styrene	104		20.138				ND	
81 Bromoform	173		20.576				ND	
82 Isopropylbenzene	105		20.769				ND	
84 1,1,2,2-Tetrachloroethane	83		21.438				ND	
85 N-Propylbenzene	91		21.496				ND	
88 4-Ethyltoluene	105		21.684				ND	
89 2-Chlorotoluene	91		21.700				ND	
90 1,3,5-Trimethylbenzene	105		21.791				ND	
92 tert-Butylbenzene	119		22.283				ND	
93 1,2,4-Trimethylbenzene	105	22.390	22.379	0.011	71	1796	0.009847	
94 sec-Butylbenzene	105		22.609				ND	
95 4-Isopropyltoluene	119		22.812				ND	
96 1,3-Dichlorobenzene	146	22.850	22.850	0.000	91	1965	0.0147	
97 1,4-Dichlorobenzene	146	22.984	22.984	0.000	91	1960	0.0156	
98 Benzyl chloride	91	23.182	23.182	0.000	1	1705	0.0144	
100 n-Butylbenzene	91		23.385				ND	
101 1,2-Dichlorobenzene	146	23.513	23.513	0.000	87	1841	0.0146	
103 1,2,4-Trichlorobenzene	180	25.996	25.995	0.001	91	2853	0.0355	
104 Hexachlorobutadiene	225		26.172				ND	
105 Naphthalene	128	26.477	26.472	0.005	96	3901	0.0245	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 24-Feb-2020 10:24:35

Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-05.D

Injection Date: 21-Feb-2020 10:40:30

Instrument ID: CHX.i

Operator ID: ggg

Lims ID: 200-52685-A-9

Lab Sample ID: 200-52685-9

Worklist Smp#: 5

Client ID: IA-07-021420

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

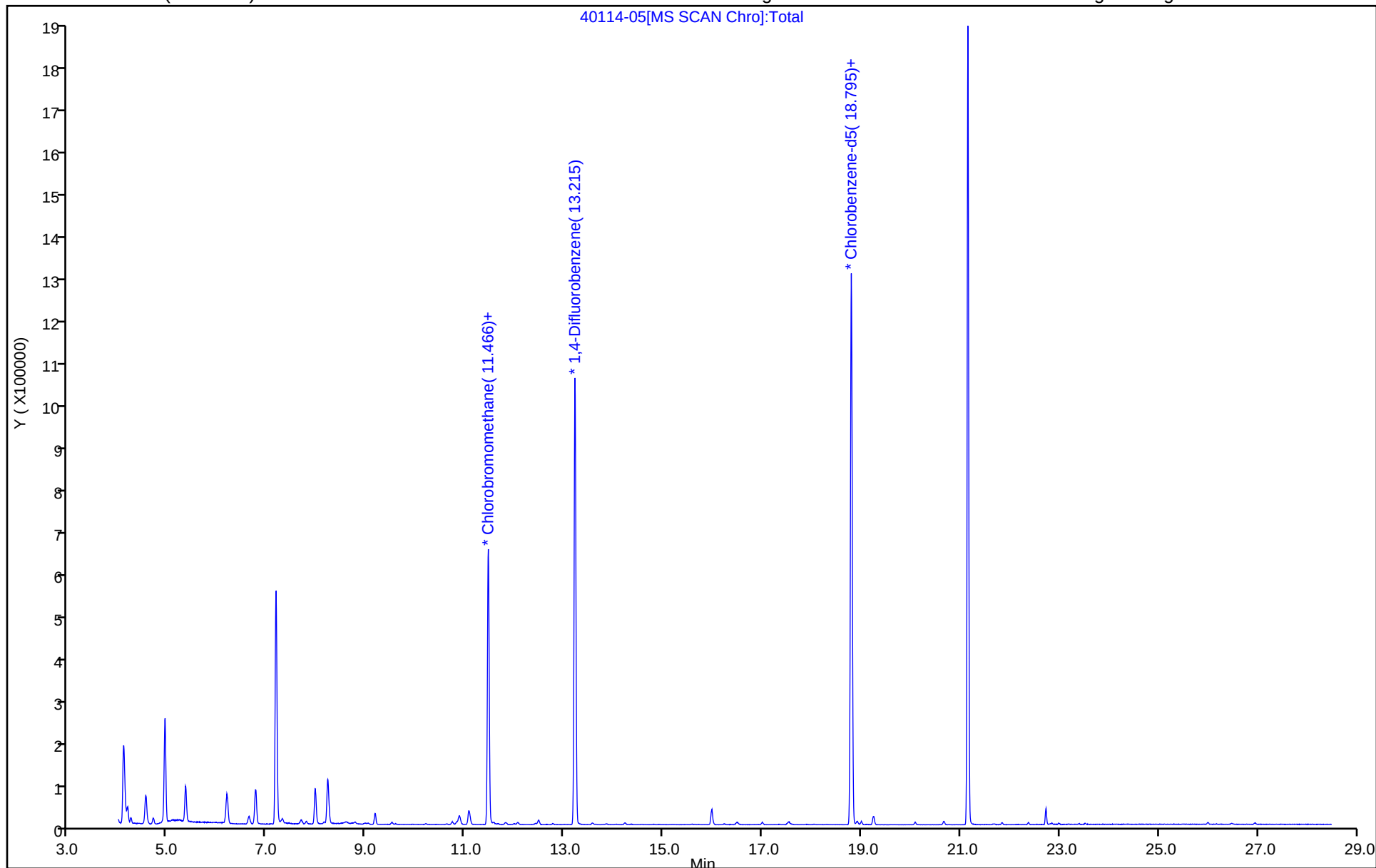
ALS Bottle#: 5

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-05.D

Injection Date: 21-Feb-2020 10:40:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-9

Lab Sample ID: 200-52685-9

Client ID: IA-07-021420

Operator ID: ggg

ALS Bottle#: 5

Worklist Smp#: 5

Purge Vol: 200.000 mL

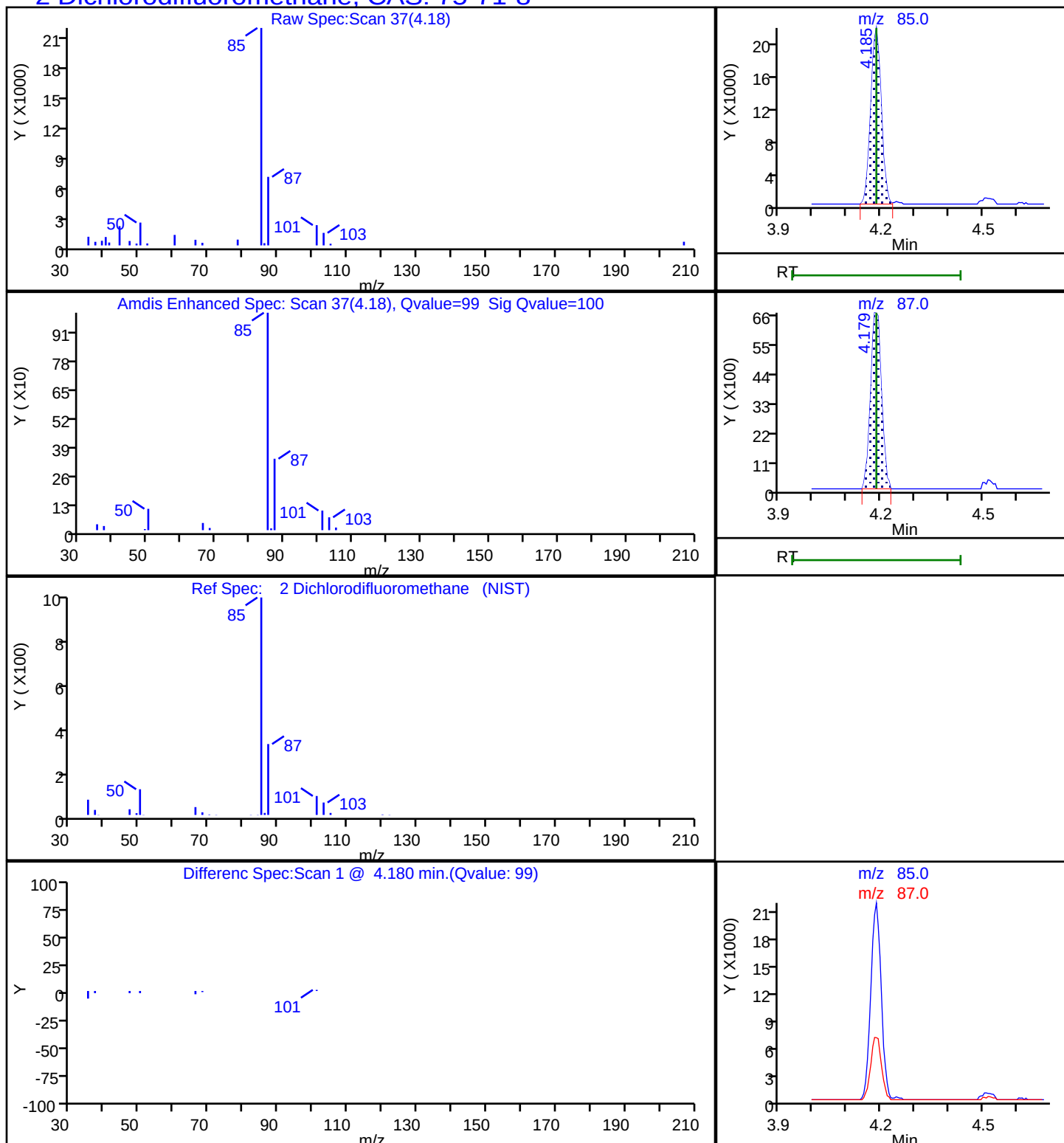
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-05.D

Injection Date: 21-Feb-2020 10:40:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-9

Lab Sample ID: 200-52685-9

Client ID: IA-07-021420

Operator ID: ggg

ALS Bottle#: 5

Worklist Smp#: 5

Purge Vol: 200.000 mL

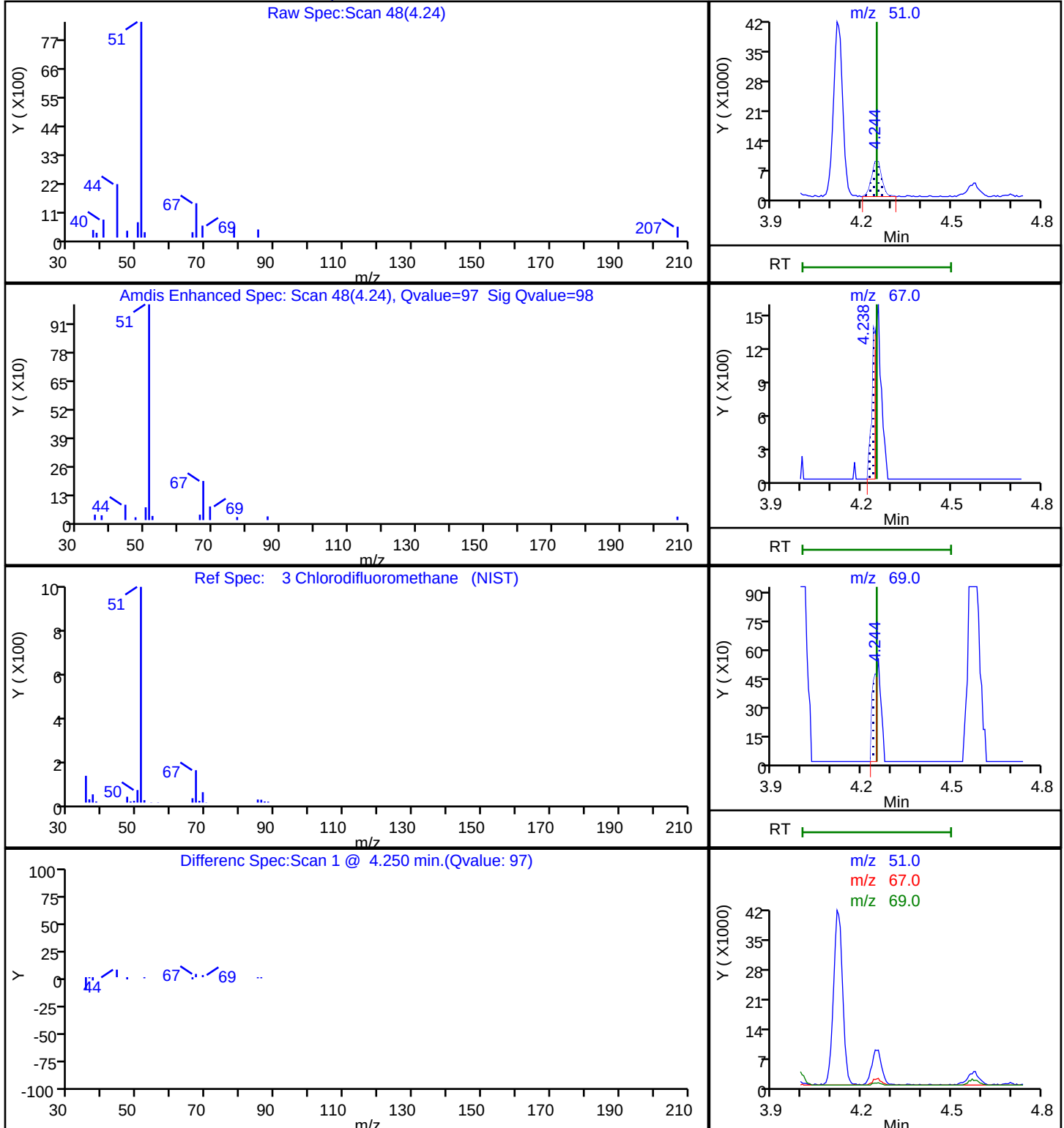
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

3 Chlorodifluoromethane, CAS: 75-45-6

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-05.D

Injection Date: 21-Feb-2020 10:40:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-9

Lab Sample ID: 200-52685-9

Client ID: IA-07-021420

Operator ID: ggg

ALS Bottle#: 5

Worklist Smp#: 5

Purge Vol: 200.000 mL

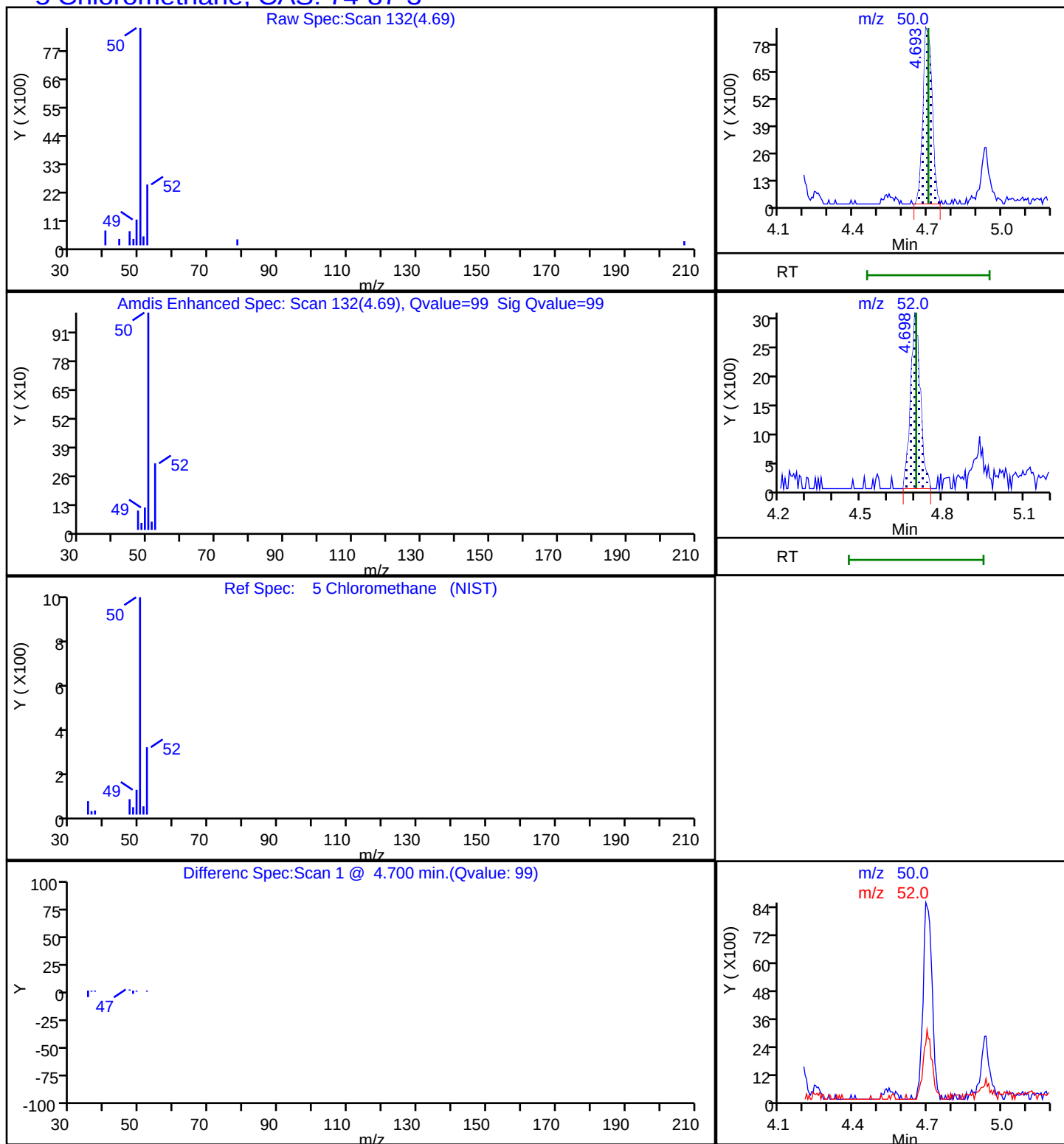
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

5 Chloromethane, CAS: 74-87-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-05.D

Injection Date: 21-Feb-2020 10:40:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-9

Lab Sample ID: 200-52685-9

Client ID: IA-07-021420

Operator ID: ggg

ALS Bottle#: 5

Worklist Smp#: 5

Purge Vol: 200.000 mL

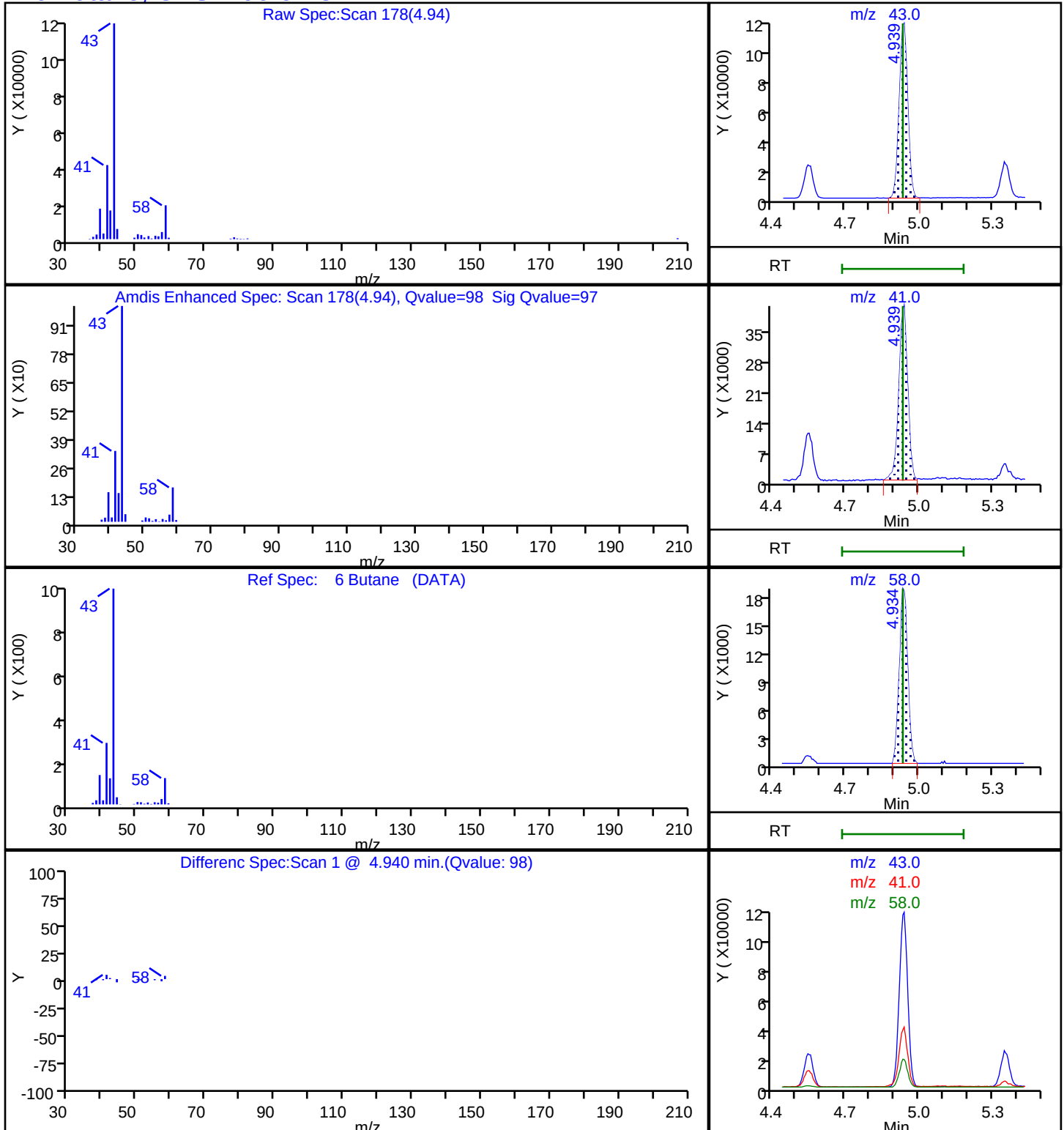
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

6 Butane, CAS: 106-97-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-05.D

Injection Date: 21-Feb-2020 10:40:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-9

Lab Sample ID: 200-52685-9

Client ID: IA-07-021420

Operator ID: ggg

ALS Bottle#: 5

Worklist Smp#: 5

Purge Vol: 200.000 mL

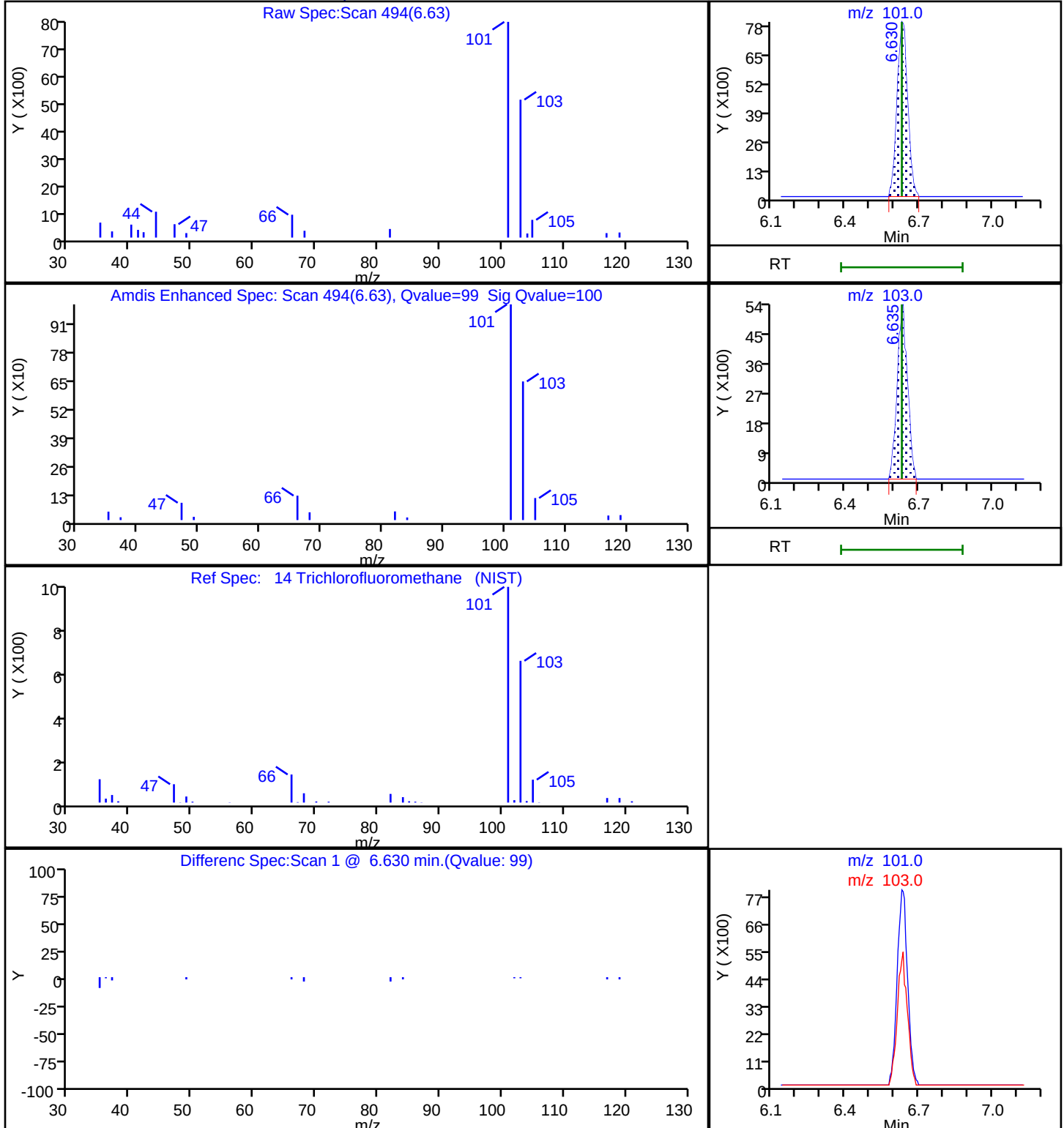
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

14 Trichlorofluoromethane, CAS: 75-69-4

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-05.D

Injection Date: 21-Feb-2020 10:40:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-9

Lab Sample ID: 200-52685-9

Client ID: IA-07-021420

Operator ID: ggg

ALS Bottle#: 5

Worklist Smp#: 5

Purge Vol: 200.000 mL

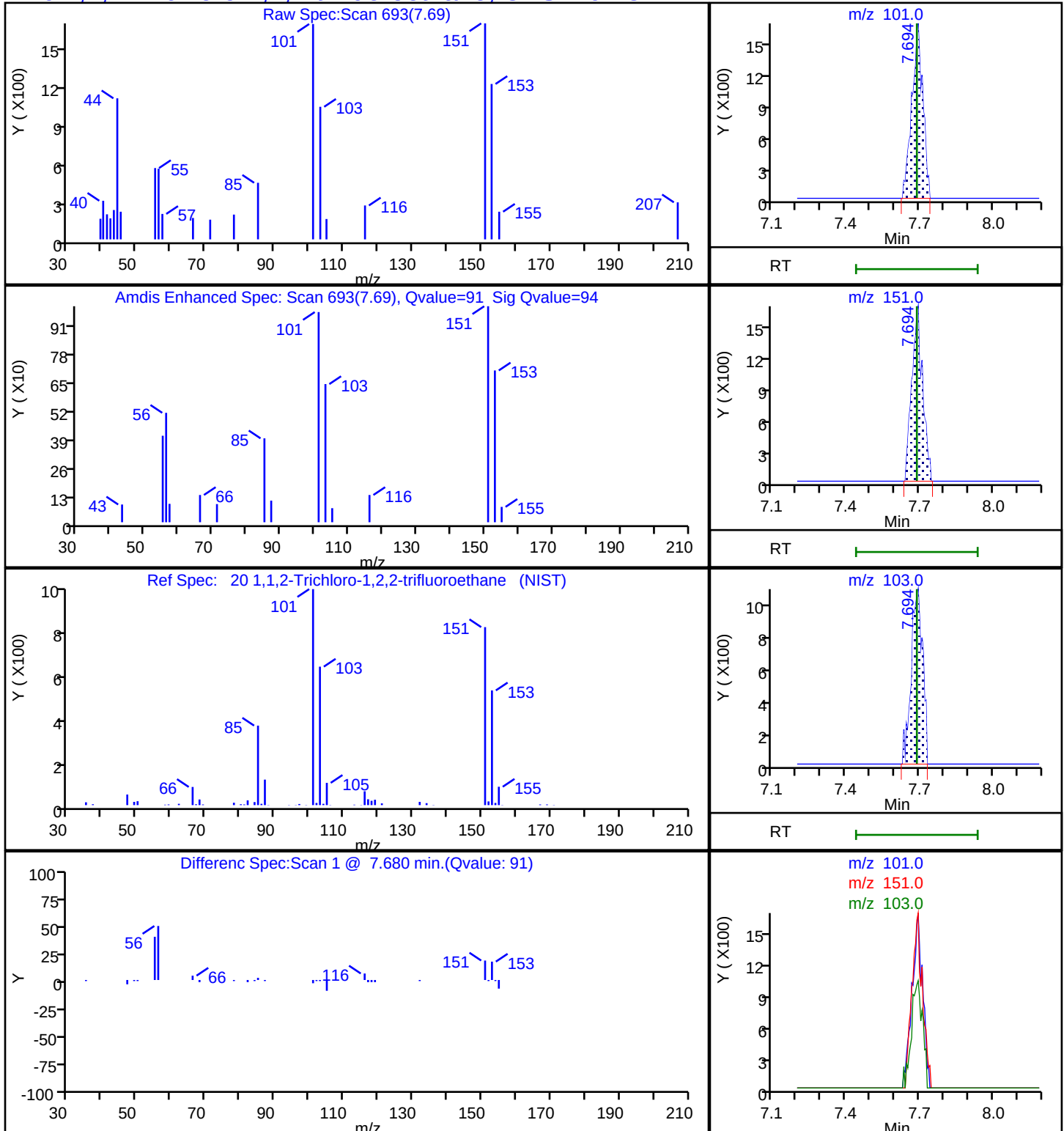
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-05.D

Injection Date: 21-Feb-2020 10:40:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-9

Lab Sample ID: 200-52685-9

Client ID: IA-07-021420

Operator ID: ggg

ALS Bottle#: 5

Worklist Smp#: 5

Purge Vol: 200.000 mL

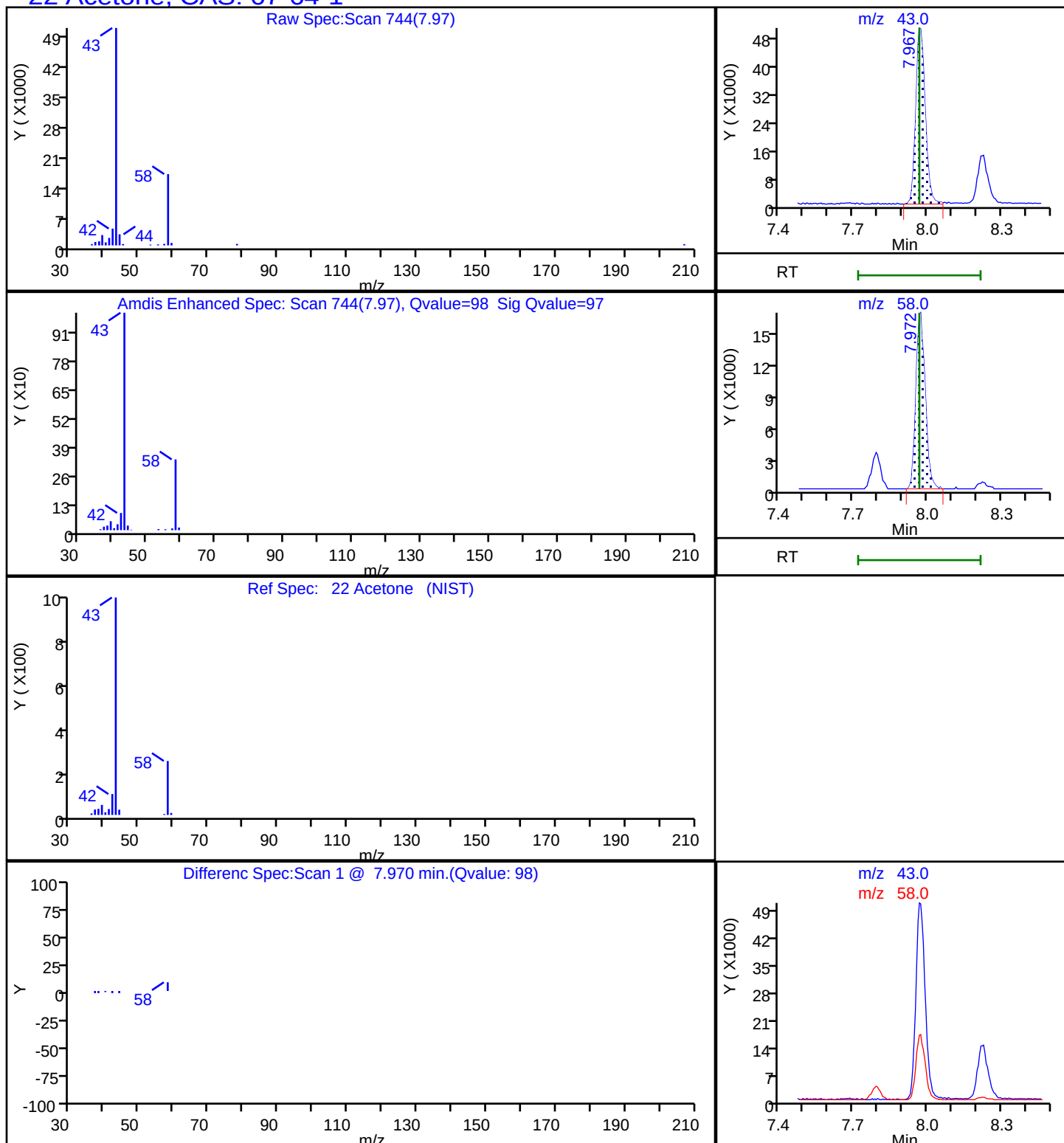
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

22 Acetone, CAS: 67-64-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-05.D

Injection Date: 21-Feb-2020 10:40:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-9

Lab Sample ID: 200-52685-9

Client ID: IA-07-021420

Operator ID: ggg

ALS Bottle#: 5

Worklist Smp#: 5

Purge Vol: 200.000 mL

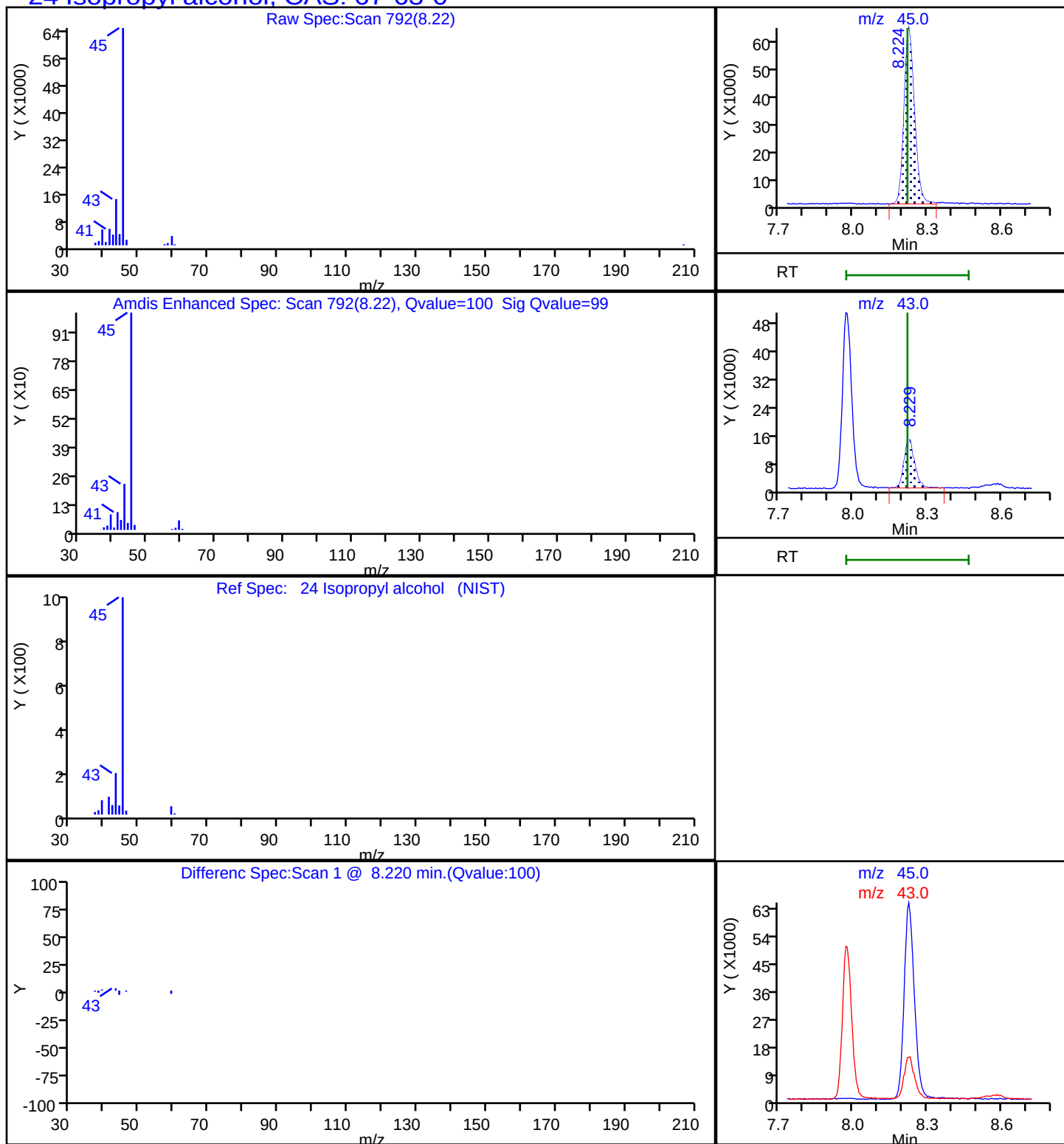
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-05.D

Injection Date: 21-Feb-2020 10:40:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-9

Lab Sample ID: 200-52685-9

Client ID: IA-07-021420

Operator ID: ggg

ALS Bottle#: 5

Worklist Smp#: 5

Purge Vol: 200.000 mL

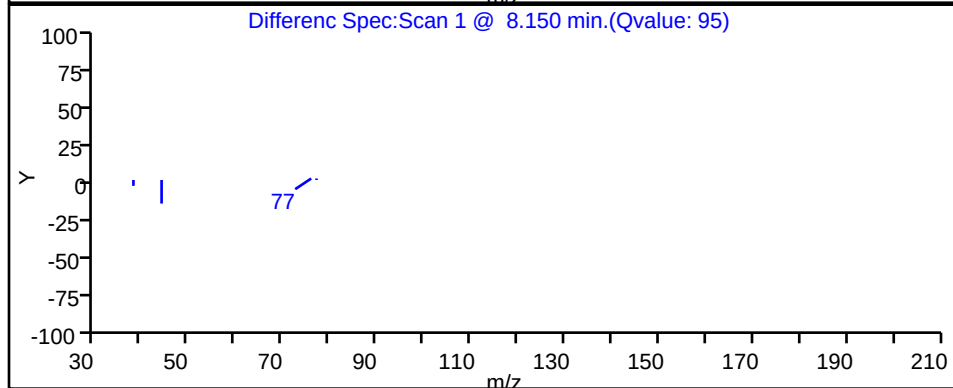
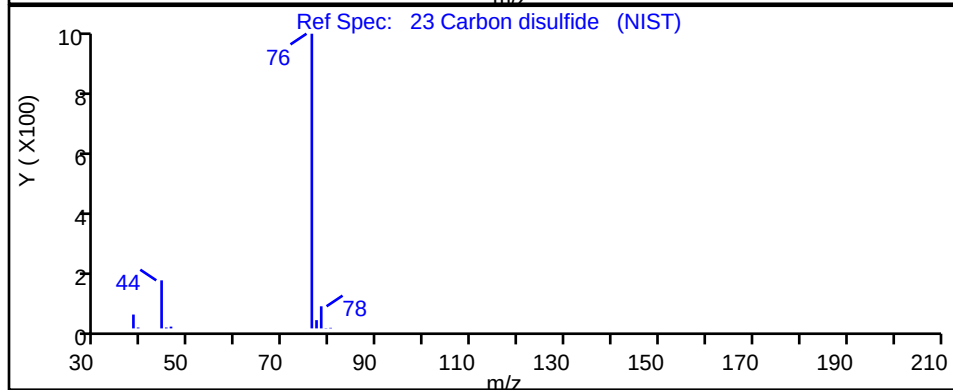
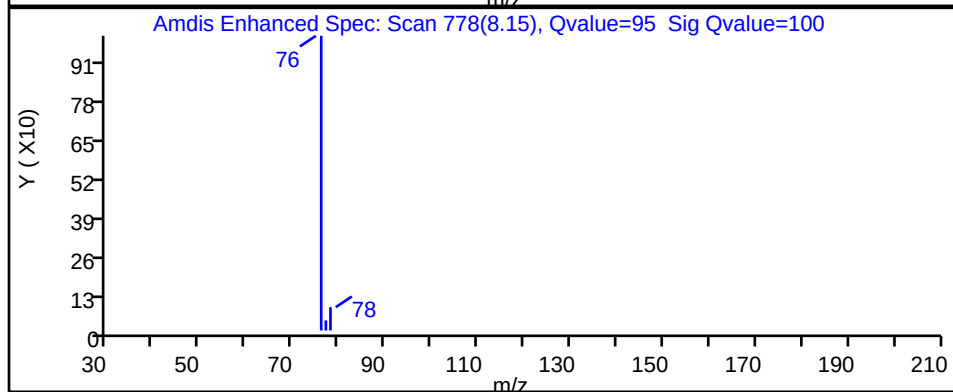
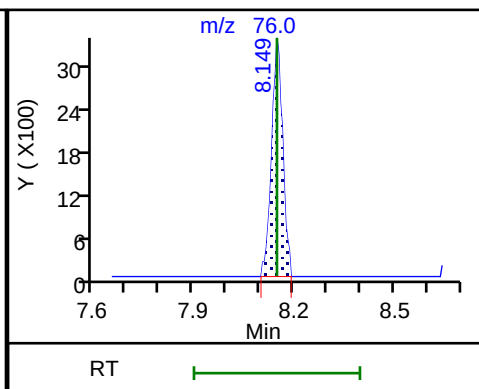
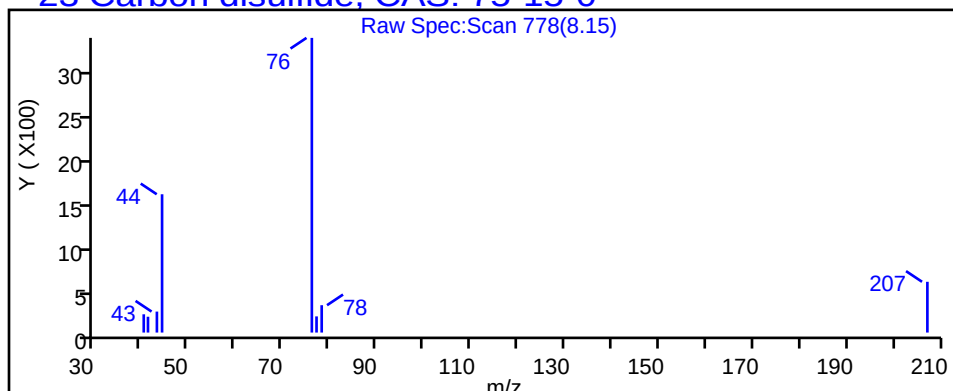
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

23 Carbon disulfide, CAS: 75-15-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-05.D

Injection Date: 21-Feb-2020 10:40:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-9

Lab Sample ID: 200-52685-9

Client ID: IA-07-021420

Operator ID: ggg

ALS Bottle#: 5

Worklist Smp#: 5

Purge Vol: 200.000 mL

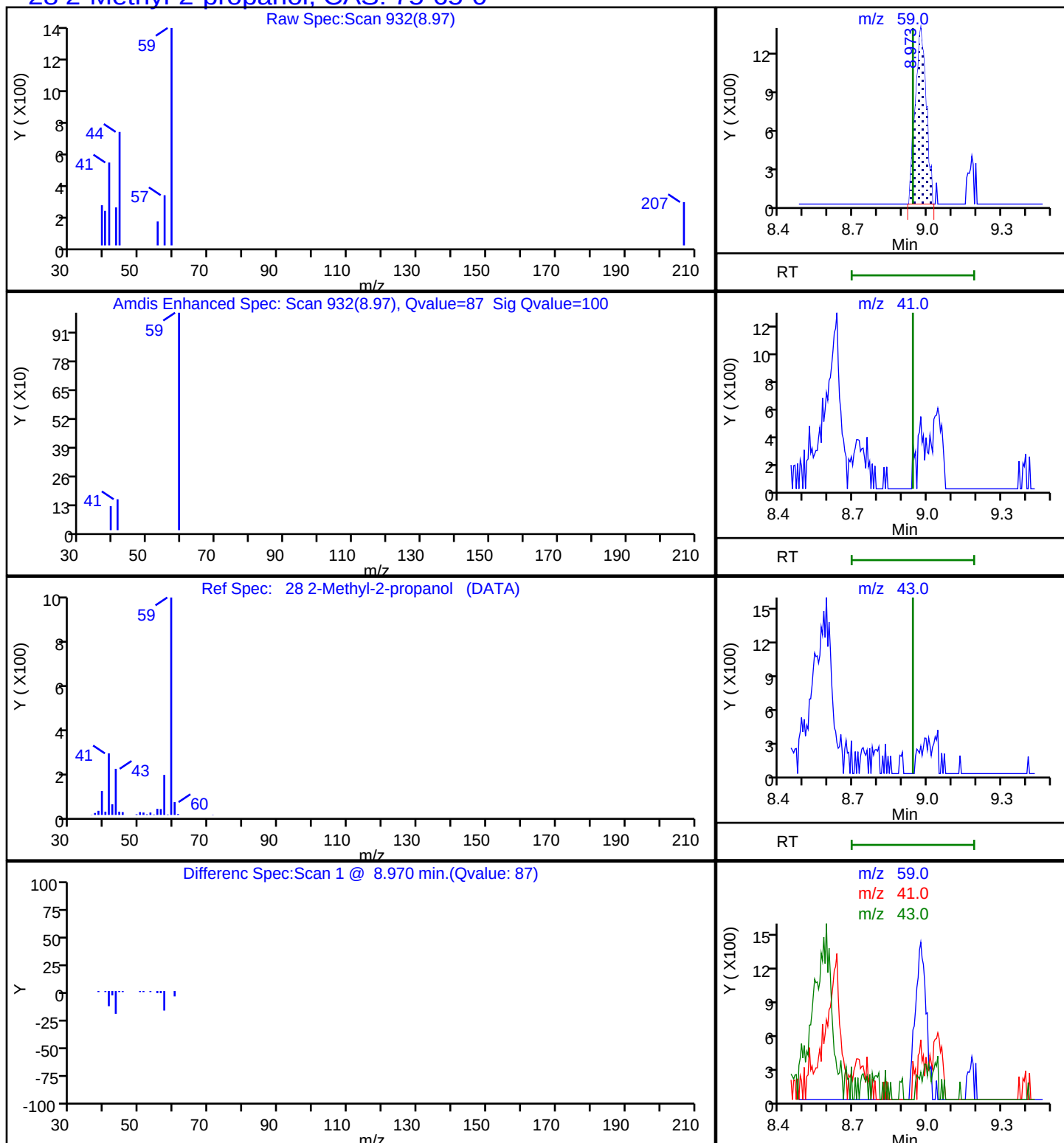
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-05.D

Injection Date: 21-Feb-2020 10:40:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-9

Lab Sample ID: 200-52685-9

Client ID: IA-07-021420

Operator ID: ggg

ALS Bottle#: 5

Worklist Smp#: 5

Purge Vol: 200.000 mL

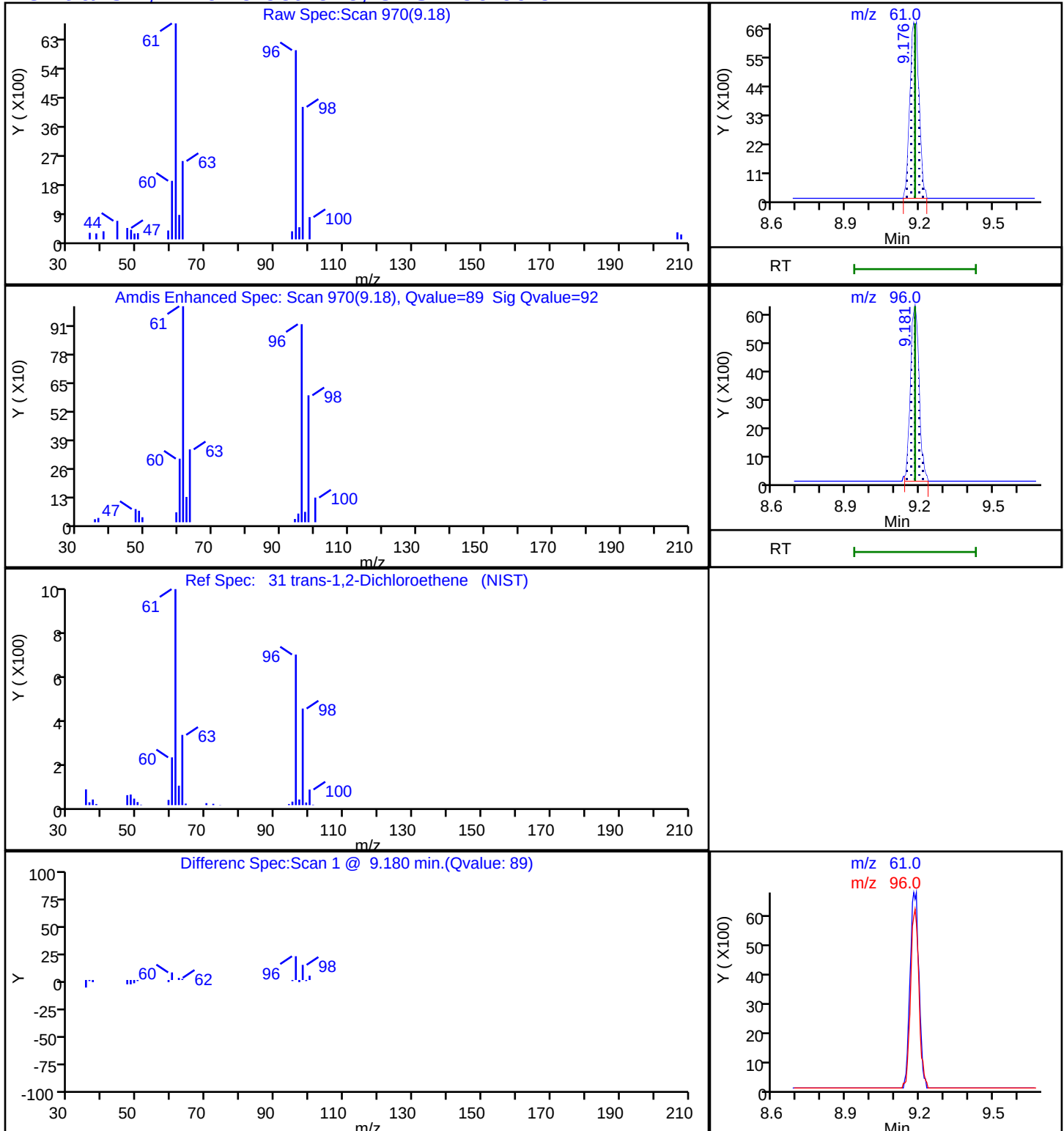
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

31 trans-1,2-Dichloroethene, CAS: 156-60-5

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-05.D

Injection Date: 21-Feb-2020 10:40:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-9

Lab Sample ID: 200-52685-9

Client ID: IA-07-021420

Operator ID: ggg

ALS Bottle#: 5

Worklist Smp#: 5

Purge Vol: 200.000 mL

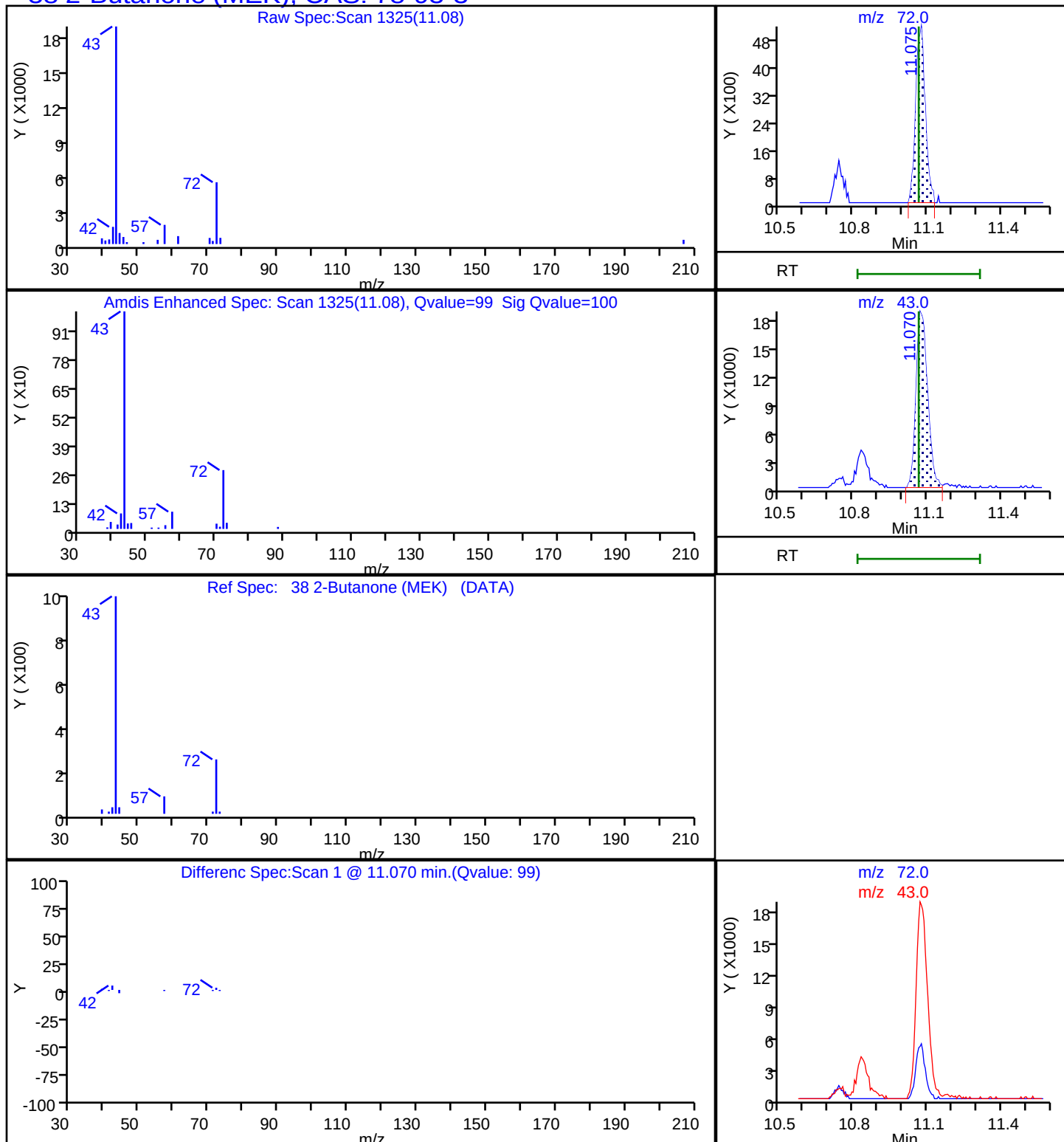
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

38 2-Butanone (MEK), CAS: 78-93-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-05.D

Injection Date: 21-Feb-2020 10:40:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-9

Lab Sample ID: 200-52685-9

Client ID: IA-07-021420

Operator ID: ggg

ALS Bottle#: 5

Worklist Smp#: 5

Purge Vol: 200.000 mL

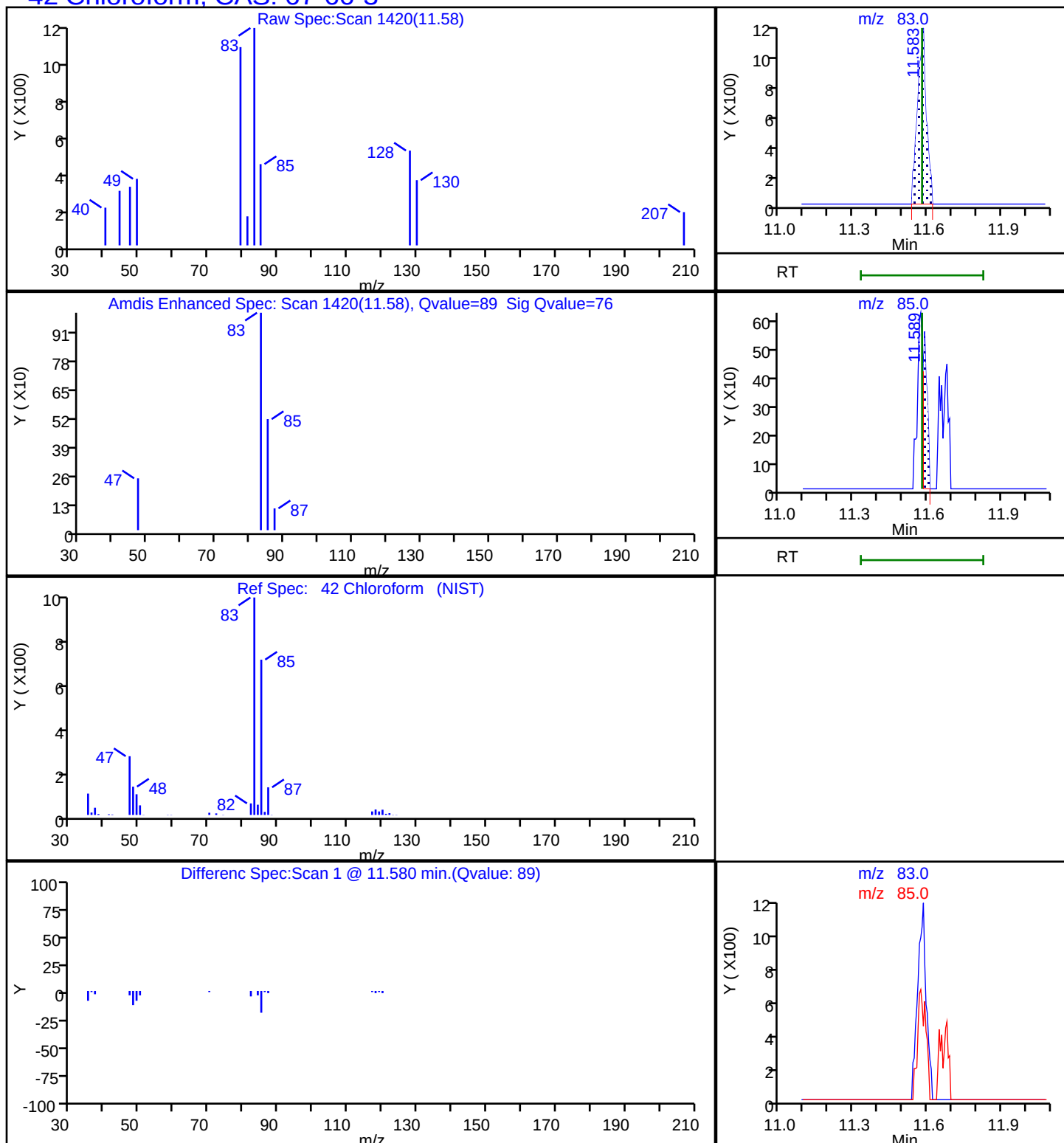
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

42 Chloroform, CAS: 67-66-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-05.D

Injection Date: 21-Feb-2020 10:40:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-9

Lab Sample ID: 200-52685-9

Client ID: IA-07-021420

Operator ID: ggg

ALS Bottle#: 5

Worklist Smp#: 5

Purge Vol: 200.000 mL

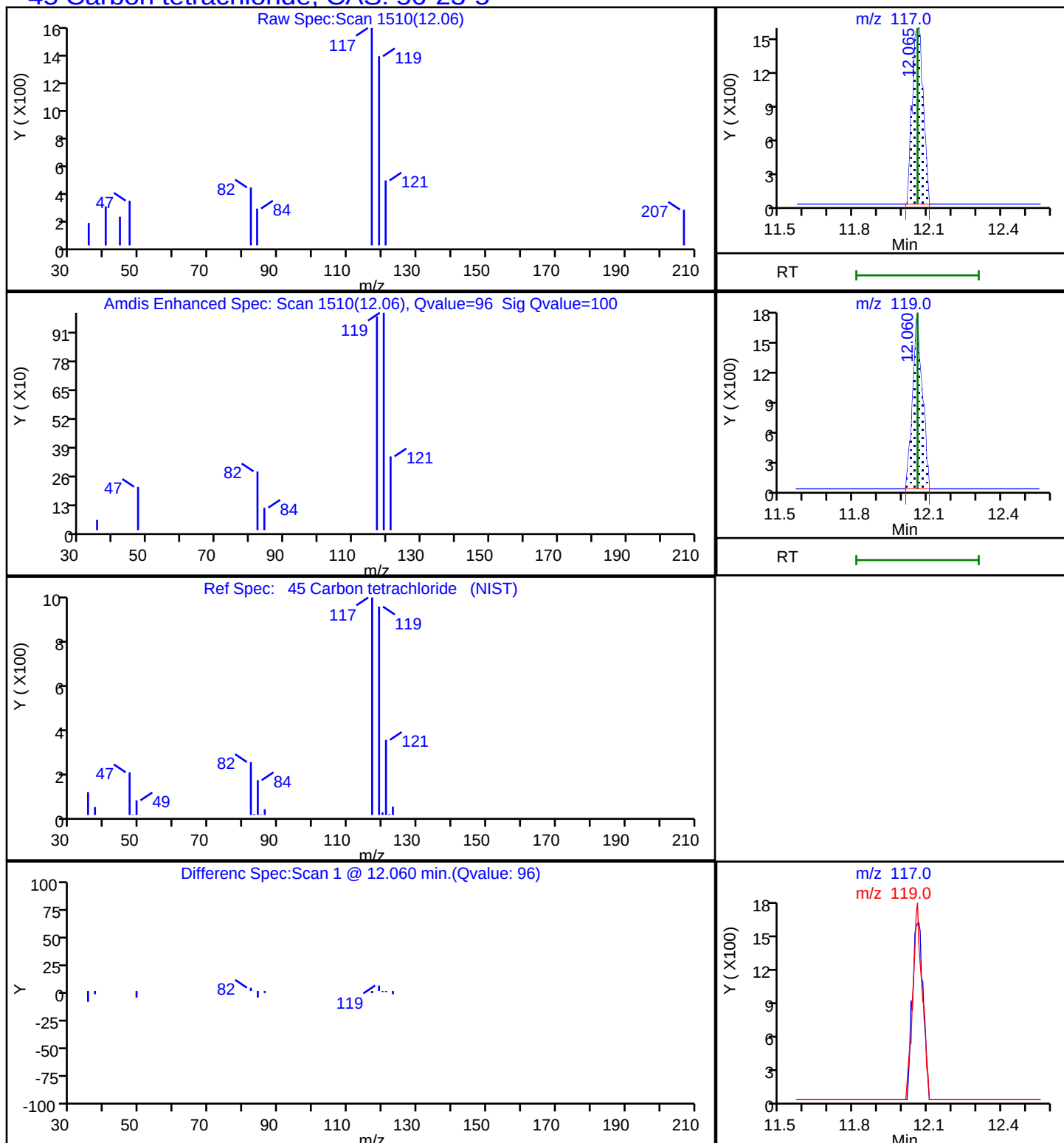
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

45 Carbon tetrachloride, CAS: 56-23-5

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-05.D

Injection Date: 21-Feb-2020 10:40:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-9

Lab Sample ID: 200-52685-9

Client ID: IA-07-021420

Operator ID: ggg

ALS Bottle#: 5

Worklist Smp#: 5

Purge Vol: 200.000 mL

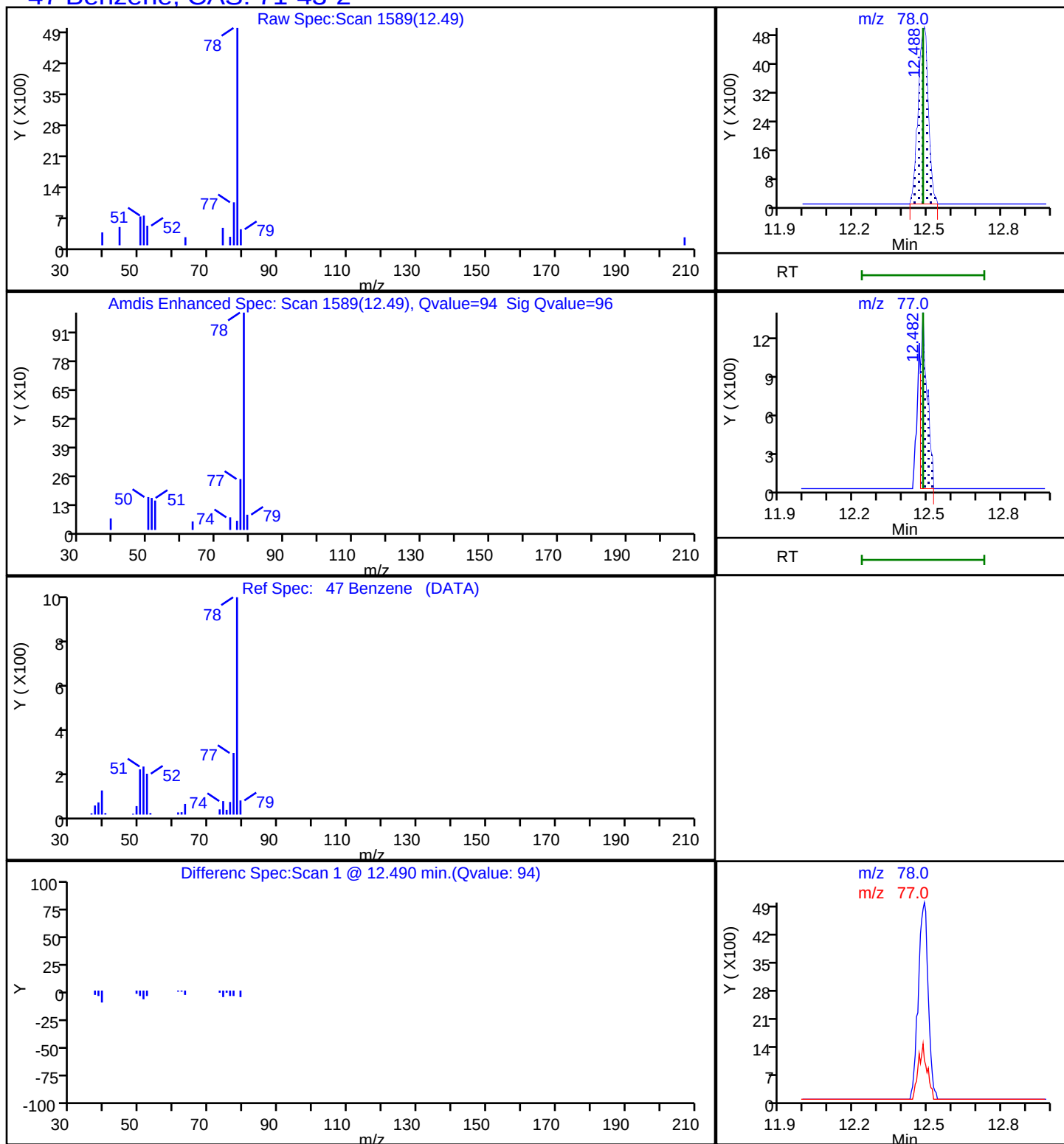
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

47 Benzene, CAS: 71-43-2

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-05.D

Injection Date: 21-Feb-2020 10:40:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-9

Lab Sample ID: 200-52685-9

Client ID: IA-07-021420

Operator ID: ggg

ALS Bottle#: 5

Worklist Smp#: 5

Purge Vol: 200.000 mL

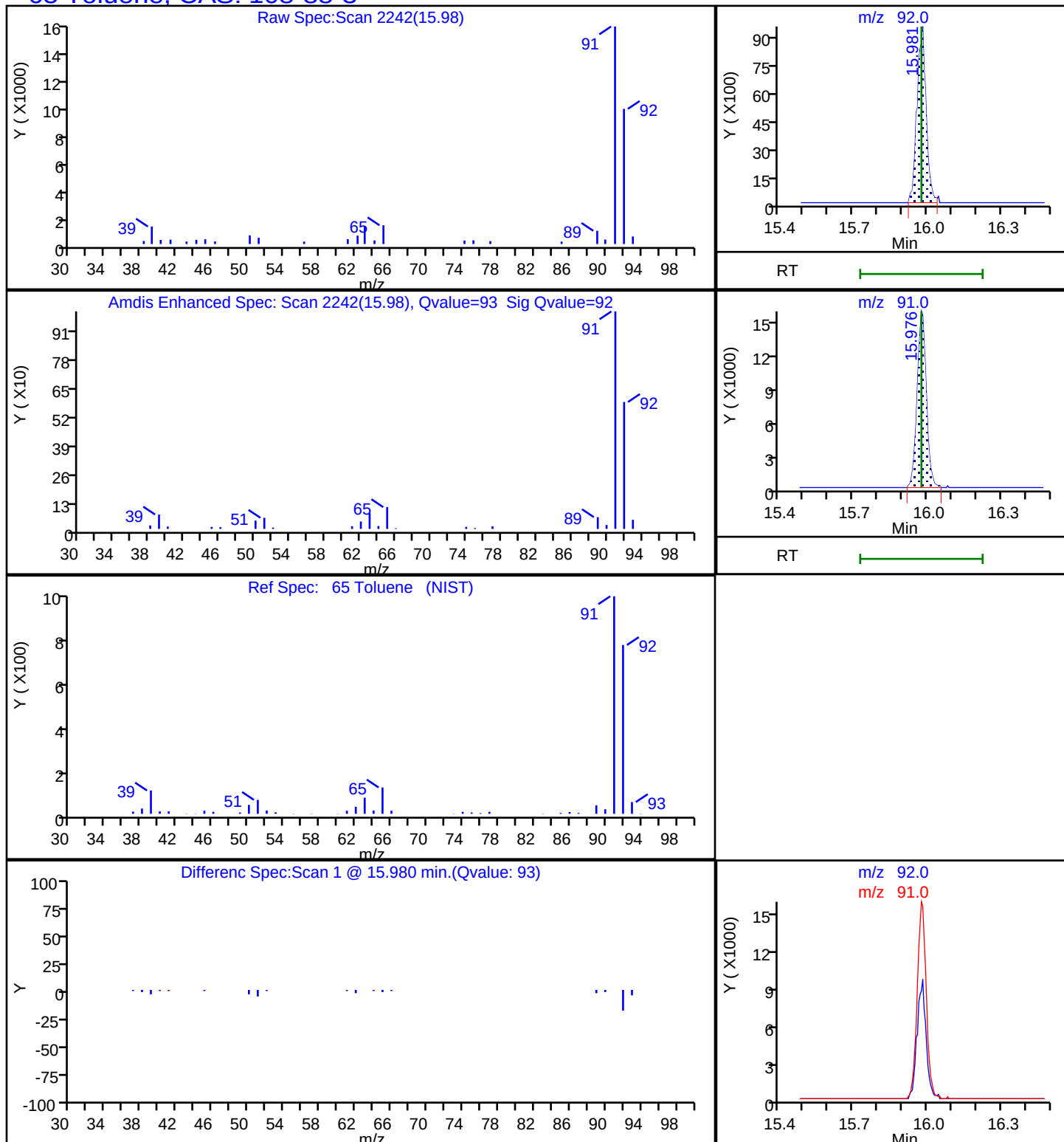
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

65 Toluene, CAS: 108-88-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-05.D

Injection Date: 21-Feb-2020 10:40:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-9

Lab Sample ID: 200-52685-9

Client ID: IA-07-021420

Operator ID: ggg

ALS Bottle#: 5

Worklist Smp#: 5

Purge Vol: 200.000 mL

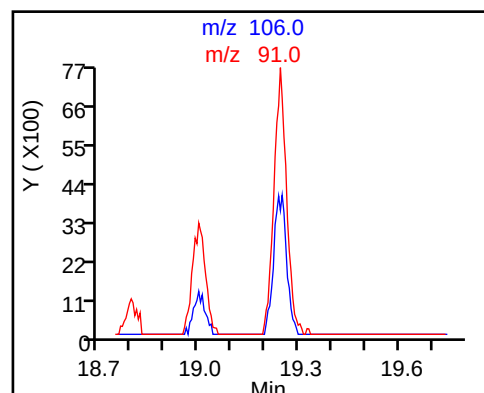
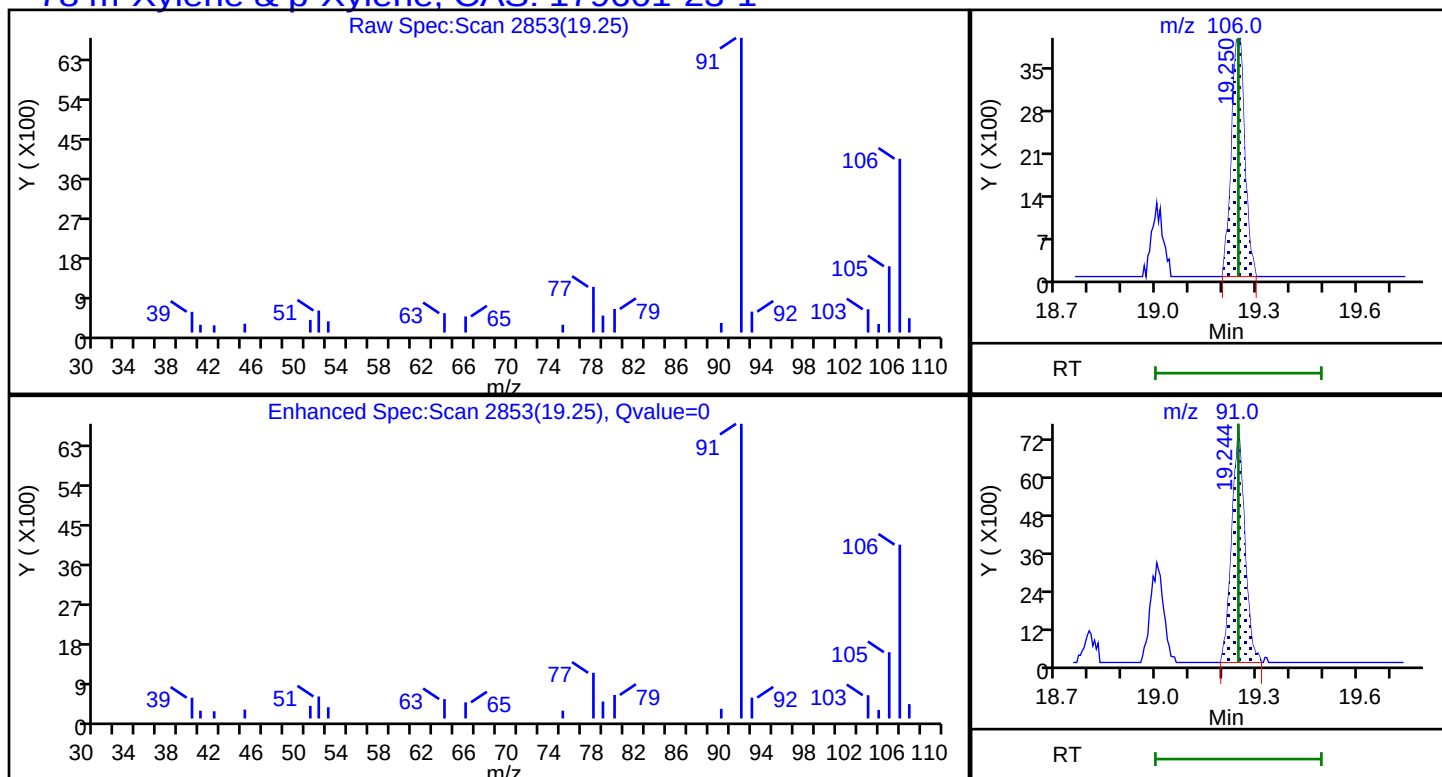
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

78 m-Xylene & p-Xylene, CAS: 179601-23-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-05.D

Injection Date: 21-Feb-2020 10:40:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-9

Lab Sample ID: 200-52685-9

Client ID: IA-07-021420

Operator ID: ggg

ALS Bottle#:

5

Worklist Smp#: 5

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

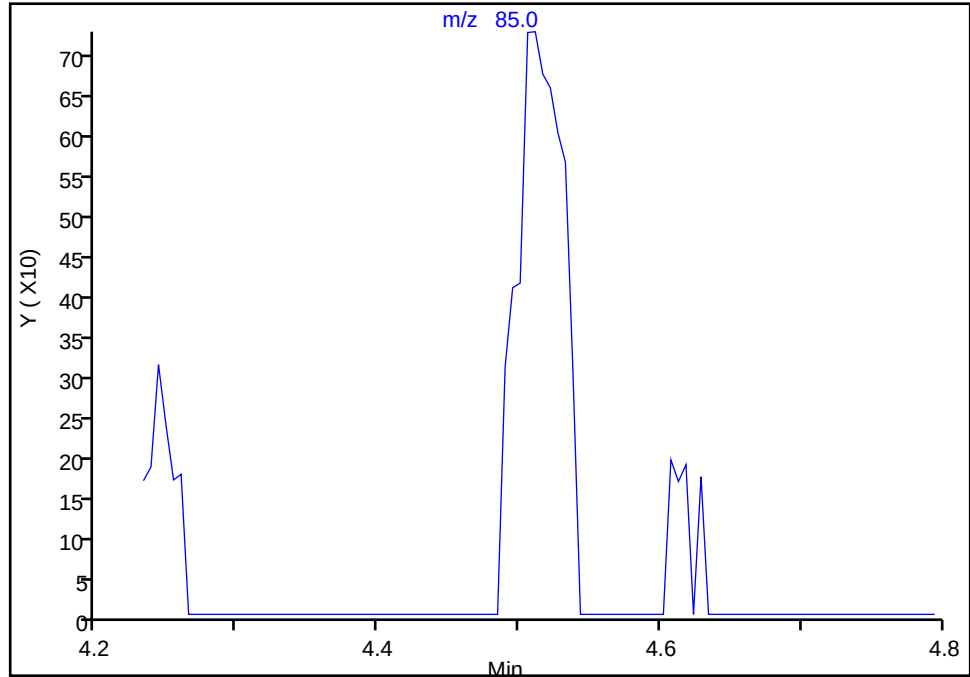
4 1,2-Dichloro-1,1,2,2-tetrafluoroethane, CAS: 76-14-2

Signal: 1

Not Detected

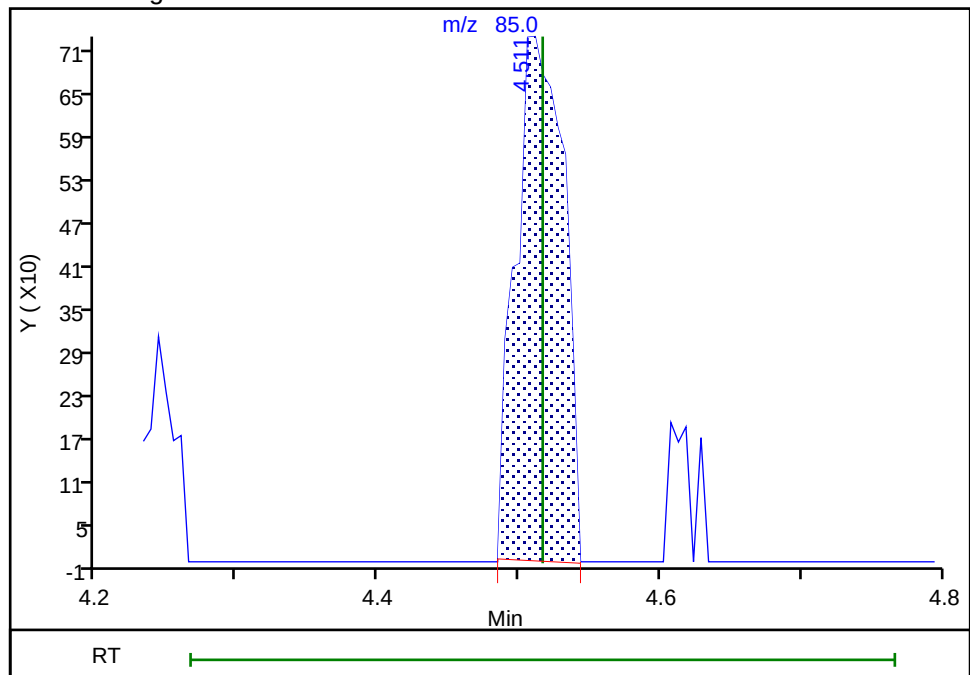
Expected RT: 4.52

Processing Integration Results



Manual Integration Results

RT: 4.51
Area: 1726
Amount: 0.015793
Amount Units: ppb v/v



Reviewer: puangmaleek, 24-Feb-2020 10:21:12

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-05.D

Injection Date: 21-Feb-2020 10:40:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-9

Lab Sample ID: 200-52685-9

Client ID: IA-07-021420

Operator ID: ggg

ALS Bottle#: 5 Worklist Smp#: 5

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

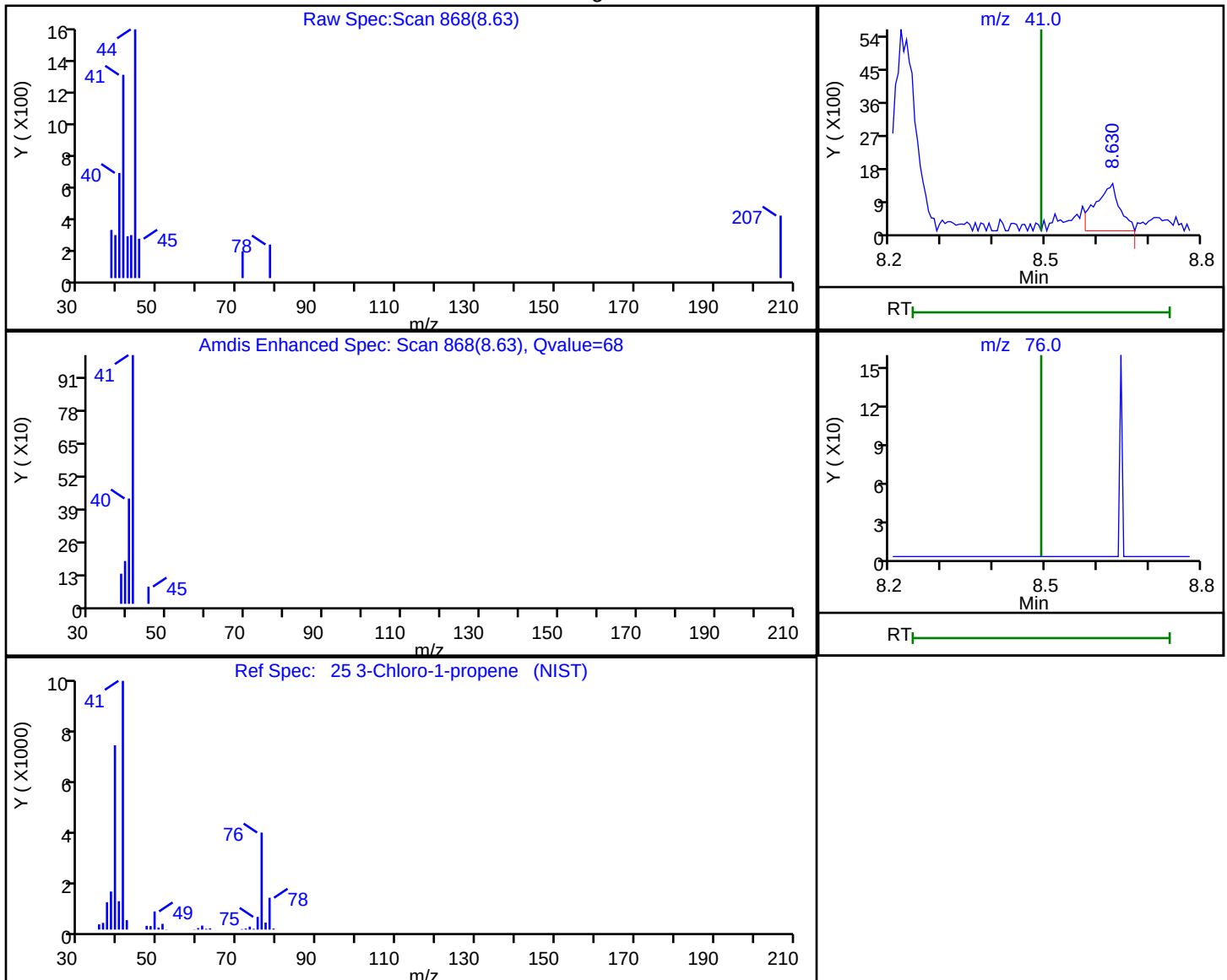
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

25 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
8.63	41.00	4176	0.167565
8.49	76.00	0	

Reviewer: puangmaleek, 24-Feb-2020 10:21:51

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-05.D

Injection Date: 21-Feb-2020 10:40:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-9

Lab Sample ID: 200-52685-9

Client ID: IA-07-021420

Operator ID: ggg

ALS Bottle#: 5 Worklist Smp#: 5

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

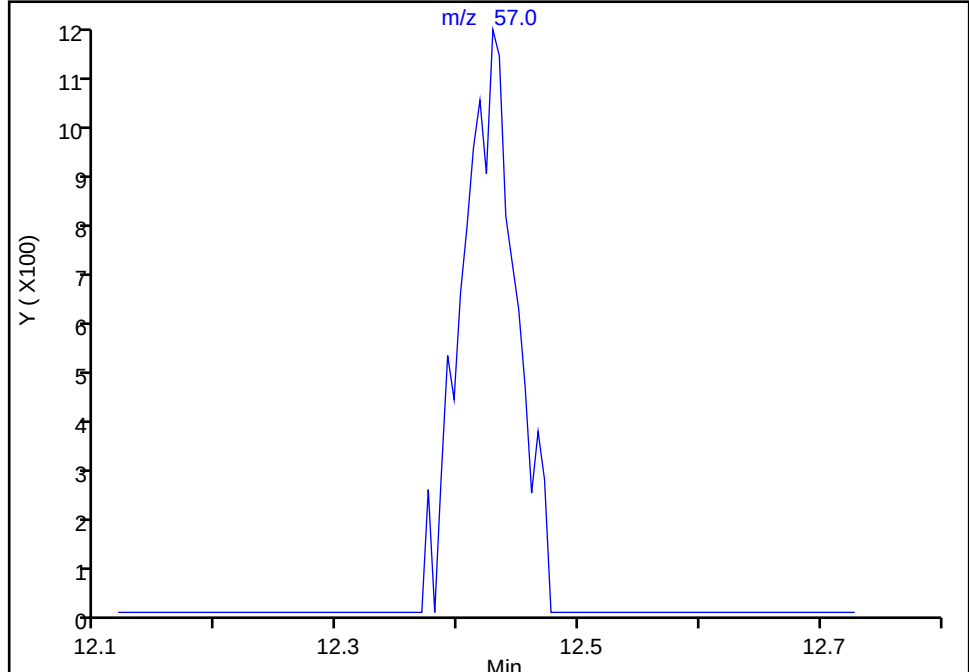
46 Isooctane, CAS: 540-84-1

Signal: 1

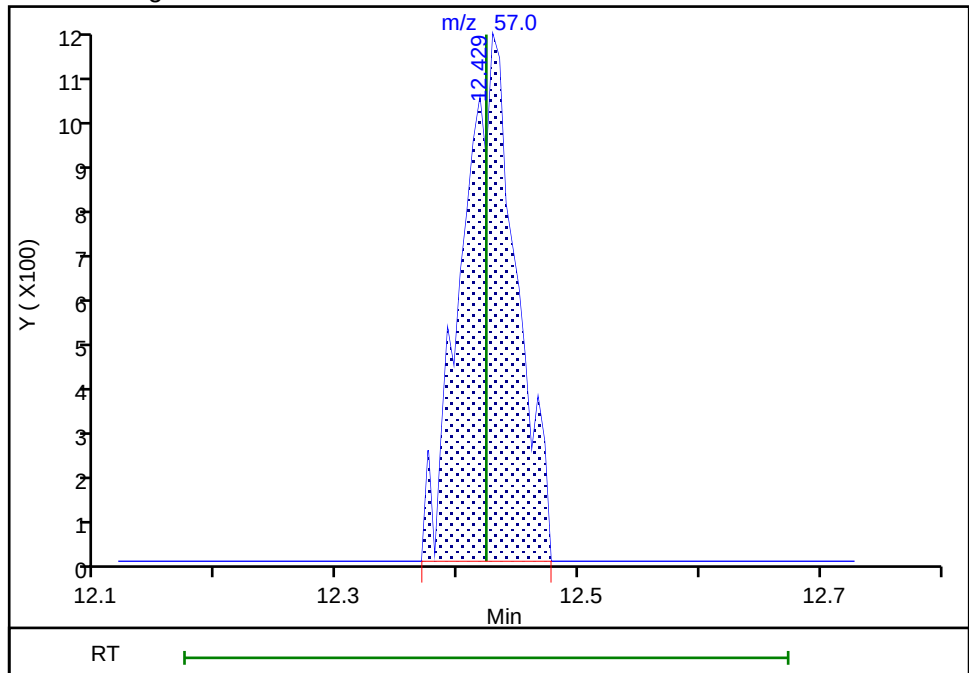
Not Detected

Expected RT: 12.42

Processing Integration Results



Manual Integration Results



Reviewer: puangmaleek, 24-Feb-2020 10:22:44

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-05.D

Injection Date: 21-Feb-2020 10:40:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-9

Lab Sample ID: 200-52685-9

Client ID: IA-07-021420

Operator ID: ggg

ALS Bottle#:

5

Worklist Smp#: 5

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

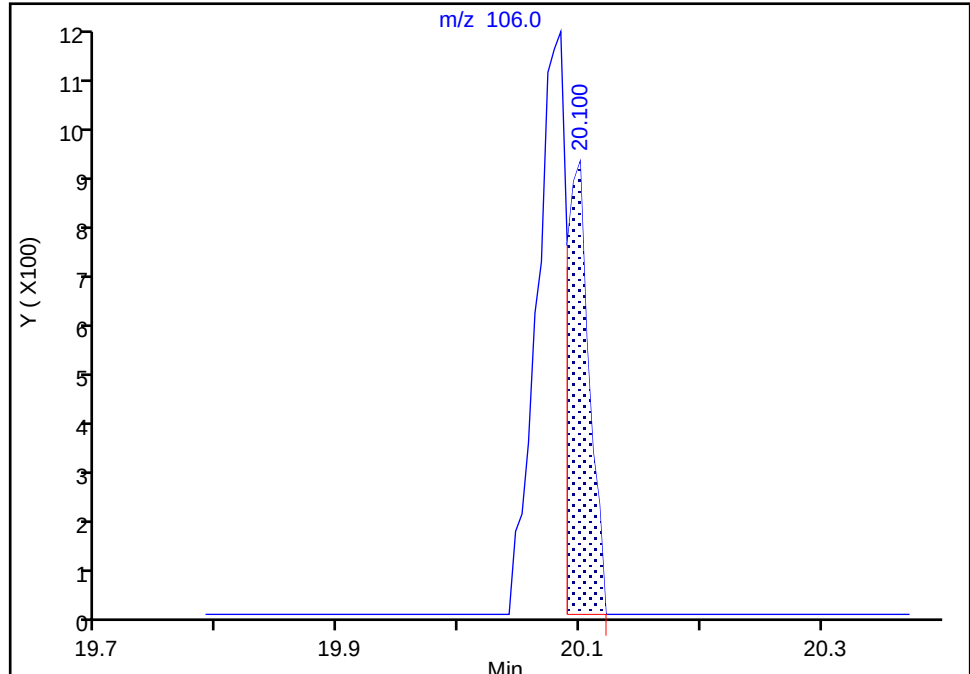
Detector: MS SCAN

79 o-Xylene, CAS: 95-47-6

Signal: 1

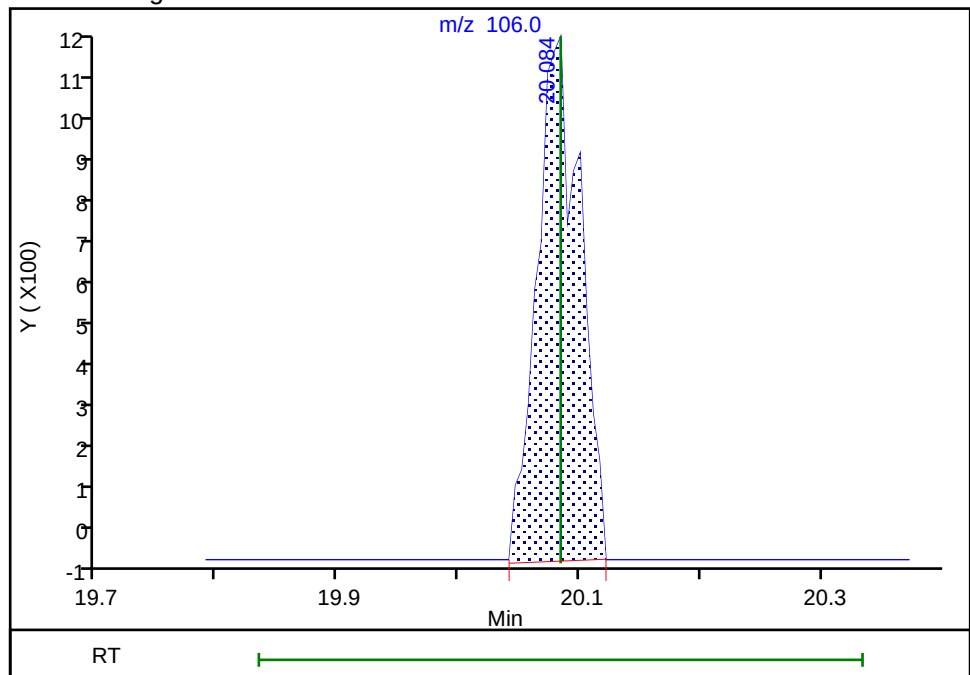
RT: 20.10
Area: 1165
Amount: 0.015693
Amount Units: ppb v/v

Processing Integration Results



RT: 20.08
Area: 2926
Amount: 0.039415
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 24-Feb-2020 10:23:50

Audit Action: Manually Integrated

Audit Reason: Assign Peak

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: AA-03-021420 Lab Sample ID: 200-52685-10

Matrix: Air Lab File ID: 40114-06.D

Analysis Method: TO-15 Date Collected: 02/14/2020 09:50

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 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.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.55		0.50	0.11
75-45-6	Freon 22	86.47	0.42	J	0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.20	0.035
74-87-3	Chloromethane	50.49	0.65		0.50	0.11
106-97-8	n-Butane	58.12	1.4		0.50	0.11
75-01-4	Vinyl chloride	62.50	ND		0.060	0.044
106-99-0	1,3-Butadiene	54.09	0.066	J	0.20	0.057
74-83-9	Bromomethane	94.94	ND		0.20	0.051
75-00-3	Chloroethane	64.52	ND		0.50	0.054
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.20	0.052
75-69-4	Trichlorofluoromethane	137.37	0.23		0.20	0.060
76-13-1	Freon TF	187.38	0.065	J	0.20	0.038
75-35-4	1,1-Dichloroethene	96.94	ND		0.20	0.039
67-64-1	Acetone	58.08	2.3	J	5.0	1.2
67-63-0	Isopropyl alcohol	60.10	ND		5.0	0.48
75-15-0	Carbon disulfide	76.14	ND		0.50	0.074
107-05-1	3-Chloropropene	76.53	ND		0.50	0.064
75-09-2	Methylene Chloride	84.93	ND		0.50	0.27
75-65-0	tert-Butyl alcohol	74.12	0.067	J	5.0	0.038
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.20	0.033
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.20	0.042
110-54-3	n-Hexane	86.17	ND		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	ND		0.20	0.041
78-93-3	Methyl Ethyl Ketone	72.11	0.30	J	0.50	0.072
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.20	0.045
540-59-0	1,2-Dichloroethene, Total	96.94	ND		0.40	0.042
67-66-3	Chloroform	119.38	ND		0.20	0.032
109-99-9	Tetrahydrofuran	72.11	ND		5.0	0.066
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.20	0.036
110-82-7	Cyclohexane	84.16	ND		0.20	0.046
56-23-5	Carbon tetrachloride	153.81	0.060		0.060	0.024
540-84-1	2,2,4-Trimethylpentane	114.23	0.054	J	0.20	0.041
71-43-2	Benzene	78.11	0.24		0.20	0.067
107-06-2	1,2-Dichloroethane	98.96	ND		0.20	0.032

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: AA-03-021420 Lab Sample ID: 200-52685-10

Matrix: Air Lab File ID: 40114-06.D

Analysis Method: TO-15 Date Collected: 02/14/2020 09:50

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 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.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	ND		0.20	0.056
79-01-6	Trichloroethene	131.39	ND		0.060	0.035
80-62-6	Methyl methacrylate	100.12	ND		0.50	0.033
78-87-5	1,2-Dichloropropane	112.99	ND		0.20	0.033
123-91-1	1,4-Dioxane	88.11	ND		5.0	0.084
75-27-4	Bromodichloromethane	163.83	ND		0.20	0.035
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.20	0.032
108-10-1	methyl isobutyl ketone	100.16	ND		0.50	0.036
108-88-3	Toluene	92.14	0.31		0.20	0.11
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.20	0.039
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.20	0.036
127-18-4	Tetrachloroethene	165.83	ND		0.20	0.033
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		0.50	0.048
124-48-1	Dibromochloromethane	208.29	ND		0.20	0.036
106-93-4	1,2-Dibromoethane	187.87	ND		0.20	0.049
108-90-7	Chlorobenzene	112.56	ND		0.20	0.056
100-41-4	Ethylbenzene	106.17	ND		0.20	0.063
179601-23-1	m,p-Xylene	106.17	0.17	J	0.50	0.10
95-47-6	Xylene, o-	106.17	ND		0.20	0.048
1330-20-7	Xylene (total)	106.17	0.17	J	0.70	0.048
100-42-5	Styrene	104.15	ND		0.20	0.040
75-25-2	Bromoform	252.75	ND		0.20	0.048
98-82-8	Cumene	120.19	ND		0.20	0.035
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.20	0.042
103-65-1	n-Propylbenzene	120.19	ND		0.20	0.039
622-96-8	4-Ethyltoluene	120.20	ND		0.20	0.041
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.20	0.039
95-49-8	2-Chlorotoluene	126.59	ND		0.20	0.042
98-06-6	tert-Butylbenzene	134.22	ND		0.20	0.035
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.20	0.044
135-98-8	sec-Butylbenzene	134.22	ND		0.20	0.035
99-87-6	4-Isopropyltoluene	134.22	ND		0.20	0.039
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.20	0.11
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.20	0.12

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: AA-03-021420 Lab Sample ID: 200-52685-10
 Matrix: Air Lab File ID: 40114-06.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 09:50
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 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.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		0.20	0.085
104-51-8	n-Butylbenzene	134.22	ND		0.20	0.039
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.20	0.097
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.50	0.22
87-68-3	Hexachlorobutadiene	260.76	ND		0.20	0.076
91-20-3	Naphthalene	128.17	ND		0.50	0.17

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: AA-03-021420 Lab Sample ID: 200-52685-10

Matrix: Air Lab File ID: 40114-06.D

Analysis Method: TO-15 Date Collected: 02/14/2020 09:50

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.7		2.5	0.54
75-45-6	Freon 22	86.47	1.5	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	0.24
74-87-3	Chloromethane	50.49	1.4		1.0	0.23
106-97-8	n-Butane	58.12	3.3		1.2	0.26
75-01-4	Vinyl chloride	62.50	ND		0.15	0.11
106-99-0	1,3-Butadiene	54.09	0.15	J	0.44	0.13
74-83-9	Bromomethane	94.94	ND		0.78	0.20
75-00-3	Chloroethane	64.52	ND		1.3	0.14
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.87	0.23
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1	0.34
76-13-1	Freon TF	187.38	0.50	J	1.5	0.29
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	0.15
67-64-1	Acetone	58.08	5.5	J	12	2.9
67-63-0	Isopropyl alcohol	60.10	ND		12	1.2
75-15-0	Carbon disulfide	76.14	ND		1.6	0.23
107-05-1	3-Chloropropene	76.53	ND		1.6	0.20
75-09-2	Methylene Chloride	84.93	ND		1.7	0.94
75-65-0	tert-Butyl alcohol	74.12	0.20	J	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.72	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.79	0.17
110-54-3	n-Hexane	86.17	ND		0.70	0.70
75-34-3	1,1-Dichloroethane	98.96	ND		0.81	0.17
78-93-3	Methyl Ethyl Ketone	72.11	0.87	J	1.5	0.21
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.79	0.18
540-59-0	1,2-Dichloroethene, Total	96.94	ND		1.6	0.17
67-66-3	Chloroform	119.38	ND		0.98	0.16
109-99-9	Tetrahydrofuran	72.11	ND		15	0.19
71-55-6	1,1,1-Trichloroethane	133.41	ND		1.1	0.20
110-82-7	Cyclohexane	84.16	ND		0.69	0.16
56-23-5	Carbon tetrachloride	153.81	0.38		0.38	0.15
540-84-1	2,2,4-Trimethylpentane	114.23	0.25	J	0.93	0.19
71-43-2	Benzene	78.11	0.78		0.64	0.21
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	0.13

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: AA-03-021420 Lab Sample ID: 200-52685-10

Matrix: Air Lab File ID: 40114-06.D

Analysis Method: TO-15 Date Collected: 02/14/2020 09:50

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	ND		0.82	0.23
79-01-6	Trichloroethene	131.39	ND		0.32	0.19
80-62-6	Methyl methacrylate	100.12	ND		2.0	0.14
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.15
123-91-1	1,4-Dioxane	88.11	ND		18	0.30
75-27-4	Bromodichloromethane	163.83	ND		1.3	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	0.15
108-10-1	methyl isobutyl ketone	100.16	ND		2.0	0.15
108-88-3	Toluene	92.14	1.2		0.75	0.41
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	0.18
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	0.20
127-18-4	Tetrachloroethene	165.83	ND		1.4	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		2.0	0.20
124-48-1	Dibromochloromethane	208.29	ND		1.7	0.31
106-93-4	1,2-Dibromoethane	187.87	ND		1.5	0.38
108-90-7	Chlorobenzene	112.56	ND		0.92	0.26
100-41-4	Ethylbenzene	106.17	ND		0.87	0.27
179601-23-1	m,p-Xylene	106.17	0.76	J	2.2	0.43
95-47-6	Xylene, o-	106.17	ND		0.87	0.21
1330-20-7	Xylene (total)	106.17	0.74	J	3.0	0.21
100-42-5	Styrene	104.15	ND		0.85	0.17
75-25-2	Bromoform	252.75	ND		2.1	0.50
98-82-8	Cumene	120.19	ND		0.98	0.17
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	0.29
103-65-1	n-Propylbenzene	120.19	ND		0.98	0.19
622-96-8	4-Ethyltoluene	120.20	ND		0.98	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.98	0.19
95-49-8	2-Chlorotoluene	126.59	ND		1.0	0.22
98-06-6	tert-Butylbenzene	134.22	ND		1.1	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.98	0.22
135-98-8	sec-Butylbenzene	134.22	ND		1.1	0.19
99-87-6	4-Isopropyltoluene	134.22	ND		1.1	0.21
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.2	0.66
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.2	0.72

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.: _____
Client Sample ID: AA-03-021420 Lab Sample ID: 200-52685-10
Matrix: Air Lab File ID: 40114-06.D
Analysis Method: TO-15 Date Collected: 02/14/2020 09:50
Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		1.0	0.44
104-51-8	n-Butylbenzene	134.22	ND		1.1	0.21
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	0.58
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3.7	1.6
87-68-3	Hexachlorobutadiene	260.76	ND		2.1	0.81
91-20-3	Naphthalene	128.17	ND		2.6	0.89

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-06.D
 Lims ID: 200-52685-A-10
 Client ID: AA-03-021420
 Sample Type: Client
 Inject. Date: 21-Feb-2020 11:29:30 ALS Bottle#: 6 Worklist Smp#: 6
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0040114-006
 Operator ID: ggg Instrument ID: CHX.i
 Method: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 24-Feb-2020 10:28:30 Calib Date: 22-Jan-2020 04:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-16.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0337

First Level Reviewer: puangmaleek

Date: 24-Feb-2020 10:28:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.190	4.185	0.005	100	51068	0.5507	
3 Chlorodifluoromethane	51	4.254	4.249	0.005	98	22051	0.4237	
4 1,2-Dichloro-1,1,2,2-tetra	85	4.517	4.517	0.001	30	2007	0.0190	7M
5 Chloromethane	50	4.709	4.704	0.005	99	21887	0.6539	
6 Butane	43	4.944	4.934	0.010	99	58634	1.41	
7 Vinyl chloride	62		4.993				ND	
8 Butadiene	54	5.094	5.083	0.011	55	1186	0.0659	
10 Bromomethane	94		5.870				ND	
11 Chloroethane	64		6.121				ND	
13 Vinyl bromide	106		6.539				ND	
14 Trichlorofluoromethane	101	6.635	6.630	0.005	98	23636	0.2256	
20 1,1,2-Trichloro-1,2,2-trif	101	7.694	7.689	0.005	94	4925	0.0646	
21 1,1-Dichloroethene	96		7.753				ND	
22 Acetone	43	7.983	7.967	0.016	97	91343	2.31	
23 Carbon disulfide	76		8.149				ND	
24 Isopropyl alcohol	45	8.261	8.218	0.043	97	10568	0.3128	
25 3-Chloro-1-propene	41		8.491				ND	U
27 Methylene Chloride	49	8.780	8.786	0.005	83	2549	0.1008	
28 2-Methyl-2-propanol	59	9.000	8.945	0.059	89	3332	0.0668	
29 Methyl tert-butyl ether	73		9.128				ND	
31 trans-1,2-Dichloroethene	61		9.181				ND	
33 Hexane	57	9.524	9.523	0.006	80	4085	0.1039	
S 30 1,2-Dichloroethene, Total	61		9.665				ND	
34 1,1-Dichloroethane	63		10.000				ND	
37 cis-1,2-Dichloroethene	96		11.032				ND	
38 2-Butanone (MEK)	72	11.086	11.070	0.022	98	4438	0.2955	
* 40 Chlorobromomethane	128	11.466	11.466	0.000	74	266367	10.0	
41 Tetrahydrofuran	42		11.471				ND	
42 Chloroform	83		11.578				ND	
43 Cyclohexane	84	11.803	11.803	-0.005	88	1141	0.0262	M
44 1,1,1-Trichloroethane	97		11.835				ND	
45 Carbon tetrachloride	117	12.054	12.059	-0.005	93	5251	0.0600	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
46 Isooctane	57	12.429	12.429	0.006	94	6683	0.0543	
47 Benzene	78	12.482	12.482	0.000	95	23975	0.2431	
48 1,2-Dichloroethane	62		12.648				ND	
49 n-Heptane	43	12.776	12.761	0.010	75	1662	0.0427	
* 50 1,4-Difluorobenzene	114	13.215	13.220	-0.005	92	1259508	10.0	
53 Trichloroethene	95		13.638				ND	
54 1,2-Dichloropropane	63		14.130				ND	
55 Methyl methacrylate	69		14.248				ND	
56 1,4-Dioxane	88		14.317				ND	
58 Dichlorobromomethane	83		14.617				ND	
60 cis-1,3-Dichloropropene	75		15.446				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.692				ND	
65 Toluene	92	15.976	15.975	0.001	93	22316	0.3111	
66 trans-1,3-Dichloropropene	75		16.532				ND	
67 1,1,2-Trichloroethane	83		16.901				ND	
68 Tetrachloroethene	166	17.003	16.997	0.006	91	1415	0.0158	
69 2-Hexanone	43		17.324				ND	
71 Chlorodibromomethane	129		17.650				ND	
72 Ethylene Dibromide	107		17.917				ND	
* 74 Chlorobenzene-d5	117	18.795	18.800	-0.005	84	1127486	10.0	
75 Chlorobenzene	112		18.859				ND	
76 Ethylbenzene	91	19.009	18.998	0.011	97	10798	0.0620	
78 m-Xylene & p-Xylene	106	19.250	19.244	0.006	0	12825	0.1748	
S 73 Xylenes, Total	106				0		0.2212	
79 o-Xylene	106	20.090	20.084	0.006	97	3274	0.0464	
80 Styrene	104		20.138				ND	
81 Bromoform	173		20.576				ND	
82 Isopropylbenzene	105		20.769				ND	
84 1,1,2,2-Tetrachloroethane	83		21.438				ND	
85 N-Propylbenzene	91		21.496				ND	
88 4-Ethyltoluene	105		21.684				ND	
89 2-Chlorotoluene	91		21.700				ND	
90 1,3,5-Trimethylbenzene	105	21.791	21.791	0.000	1	1125	0.006331	7a
92 tert-Butylbenzene	119		22.283				ND	
93 1,2,4-Trimethylbenzene	105	22.385	22.379	0.006	91	3559	0.0205	
94 sec-Butylbenzene	105		22.609				ND	
95 4-Isopropyltoluene	119		22.812				ND	
96 1,3-Dichlorobenzene	146		22.850				ND	
97 1,4-Dichlorobenzene	146		22.984				ND	
98 Benzyl chloride	91		23.182				ND	
100 n-Butylbenzene	91		23.385				ND	
101 1,2-Dichlorobenzene	146		23.513				ND	
103 1,2,4-Trichlorobenzene	180	26.001	25.995	0.006	78	1410	0.0184	
104 Hexachlorobutadiene	225		26.172				ND	
105 Naphthalene	128	26.472	26.472	0.000	1	1901	0.0126	7M

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 24-Feb-2020 10:28:32

Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-06.D

Injection Date: 21-Feb-2020 11:29:30

Instrument ID: CHX.i

Operator ID: ggg

Lims ID: 200-52685-A-10

Lab Sample ID: 200-52685-10

Worklist Smp#: 6

Client ID: AA-03-021420

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

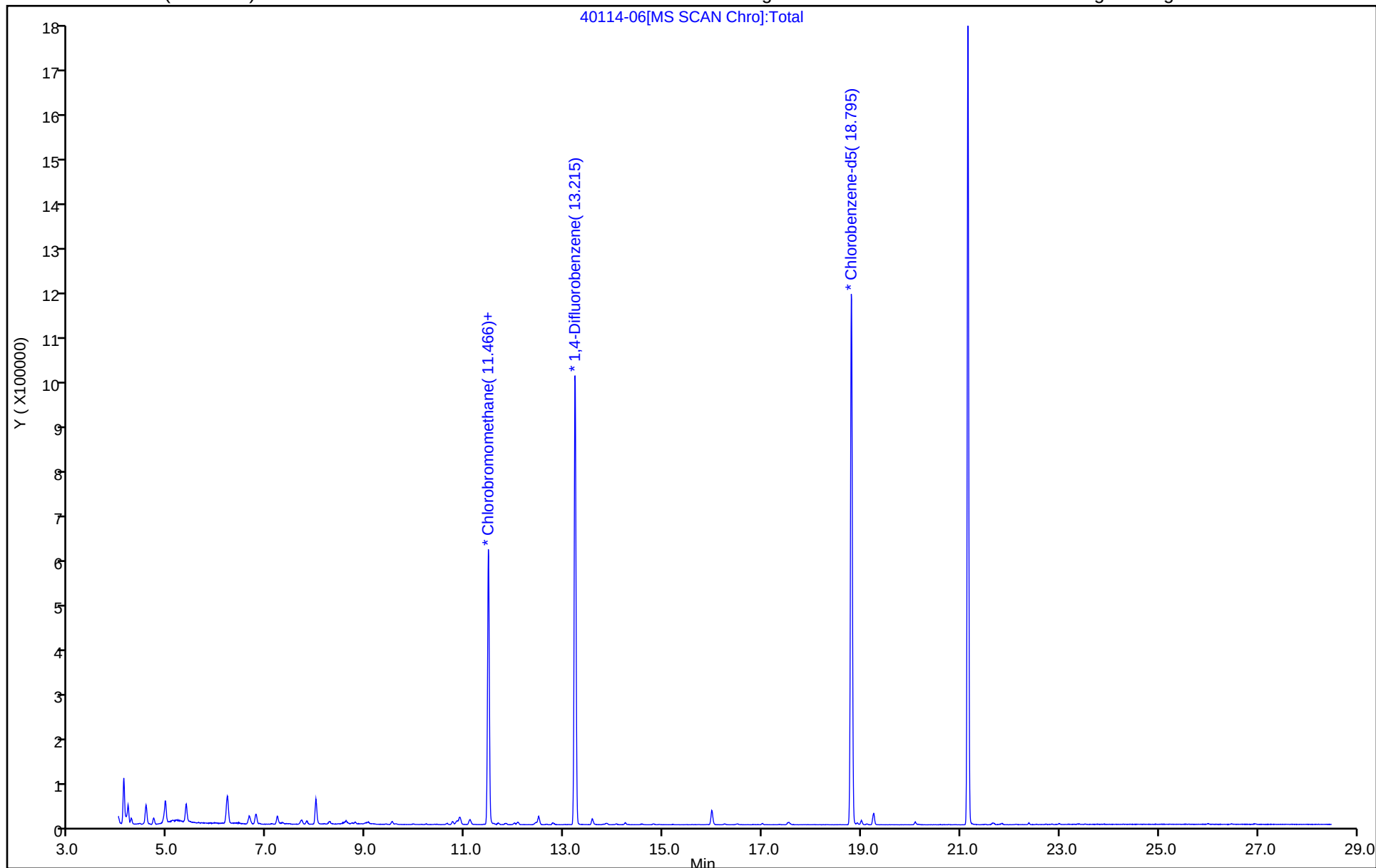
ALS Bottle#: 6

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

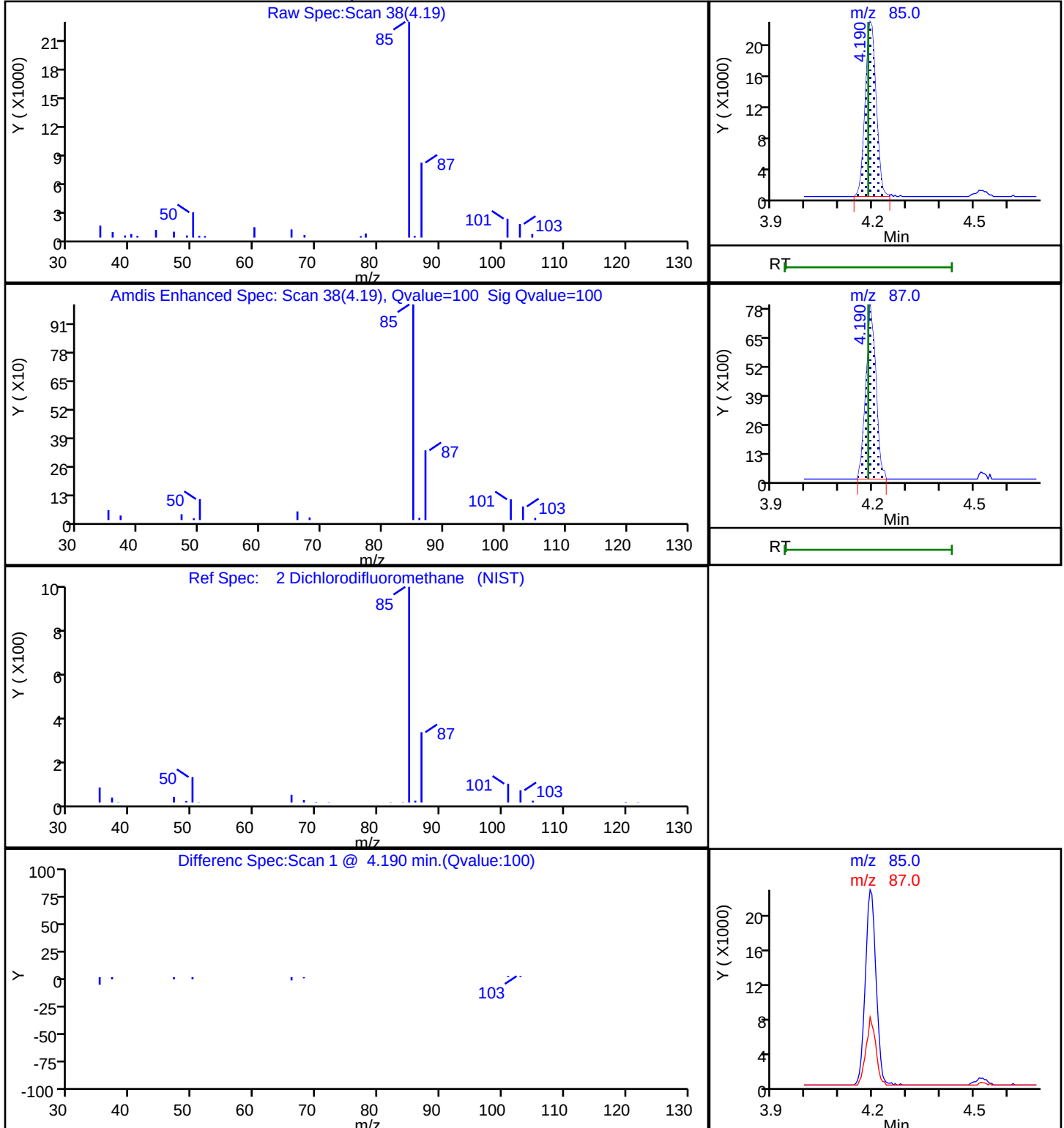
Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-06.D
Injection Date: 21-Feb-2020 11:29:30 Instrument ID: CHX.i
Lims ID: 200-52685-A-10 Lab Sample ID: 200-52685-10
Client ID: AA-03-021420
Operator ID: ggg ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-06.D

Injection Date: 21-Feb-2020 11:29:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-10

Lab Sample ID: 200-52685-10

Client ID: AA-03-021420

Operator ID: ggg

ALS Bottle#: 6

Worklist Smp#: 6

Purge Vol: 200.000 mL

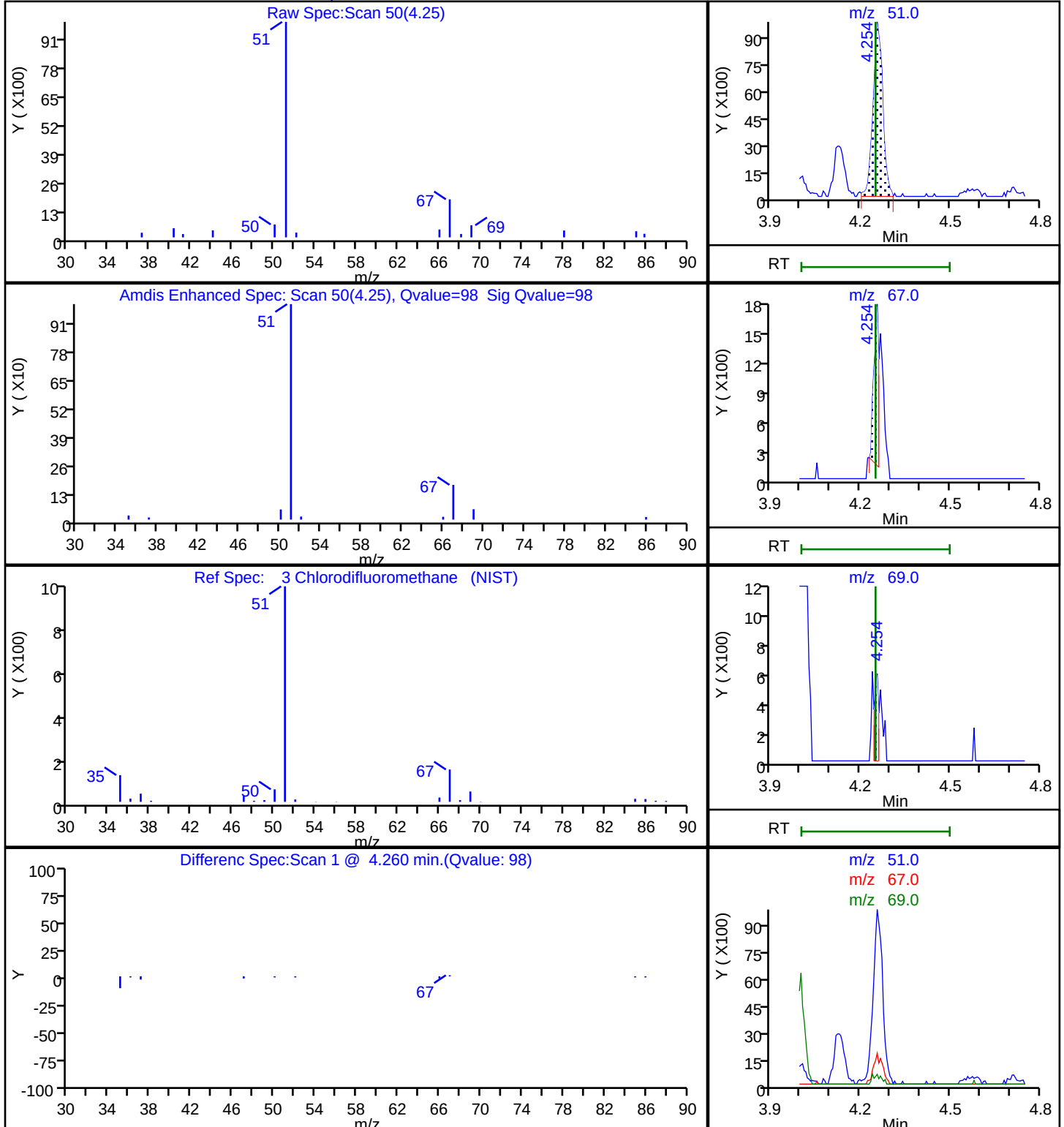
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

3 Chlorodifluoromethane, CAS: 75-45-6

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-06.D

Injection Date: 21-Feb-2020 11:29:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-10

Lab Sample ID: 200-52685-10

Client ID: AA-03-021420

Operator ID: ggg

ALS Bottle#: 6

Worklist Smp#: 6

Purge Vol: 200.000 mL

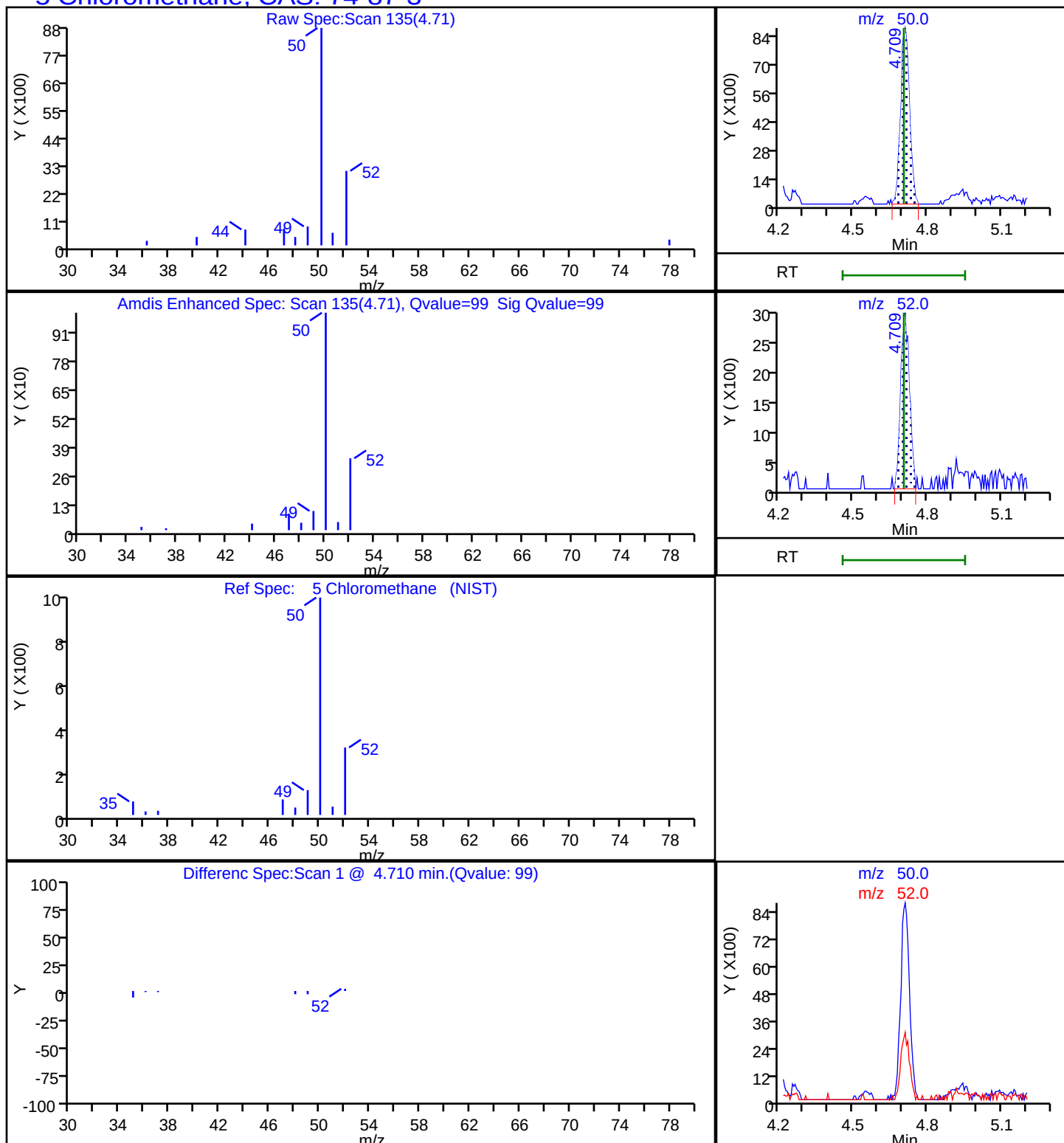
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

5 Chloromethane, CAS: 74-87-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-06.D

Injection Date: 21-Feb-2020 11:29:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-10

Lab Sample ID: 200-52685-10

Client ID: AA-03-021420

Operator ID: ggg

ALS Bottle#: 6

Worklist Smp#: 6

Purge Vol: 200.000 mL

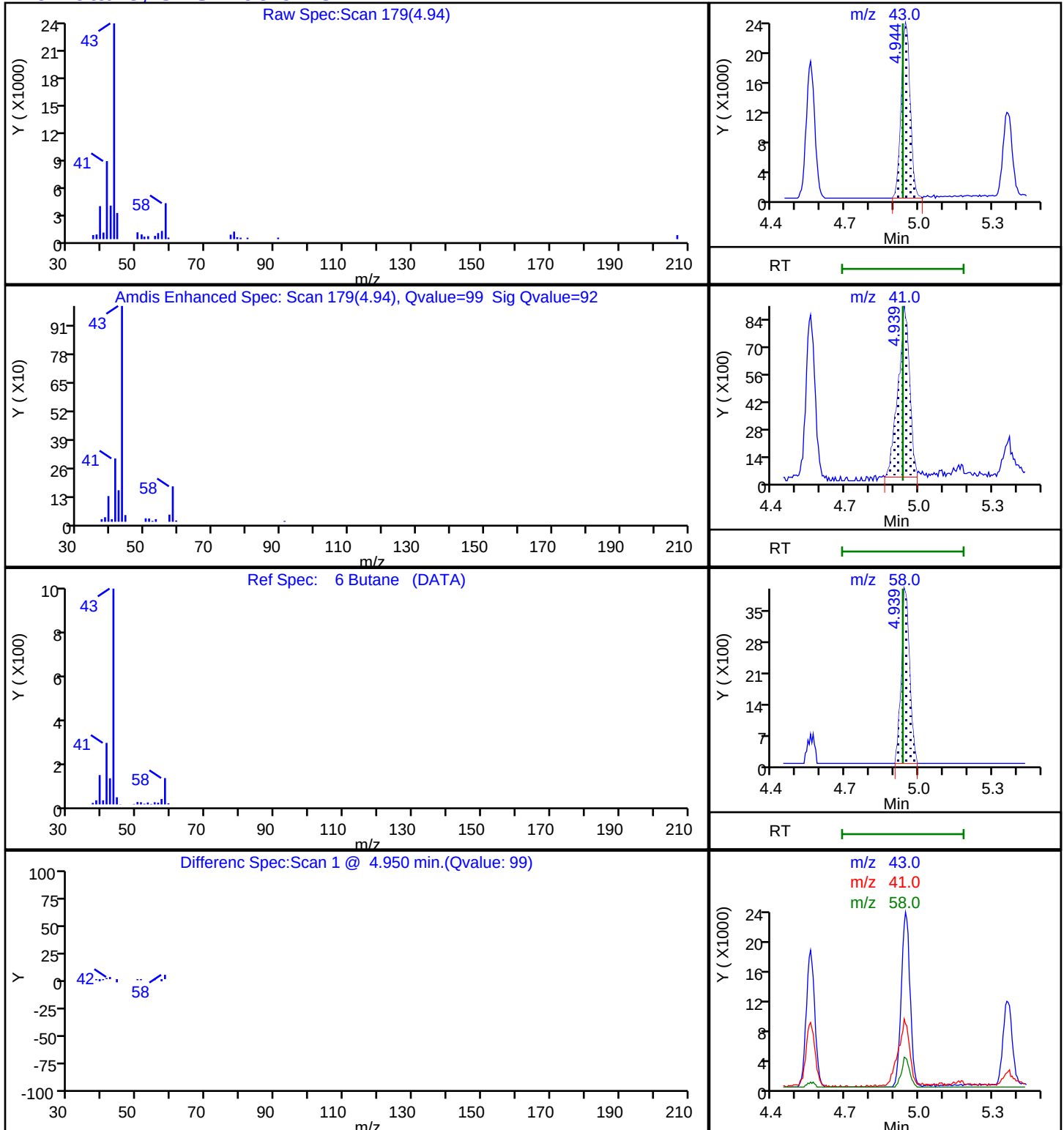
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

6 Butane, CAS: 106-97-8

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-06.D

Injection Date: 21-Feb-2020 11:29:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-10

Lab Sample ID: 200-52685-10

Client ID: AA-03-021420

Operator ID: ggg

ALS Bottle#: 6

Worklist Smp#: 6

Purge Vol: 200.000 mL

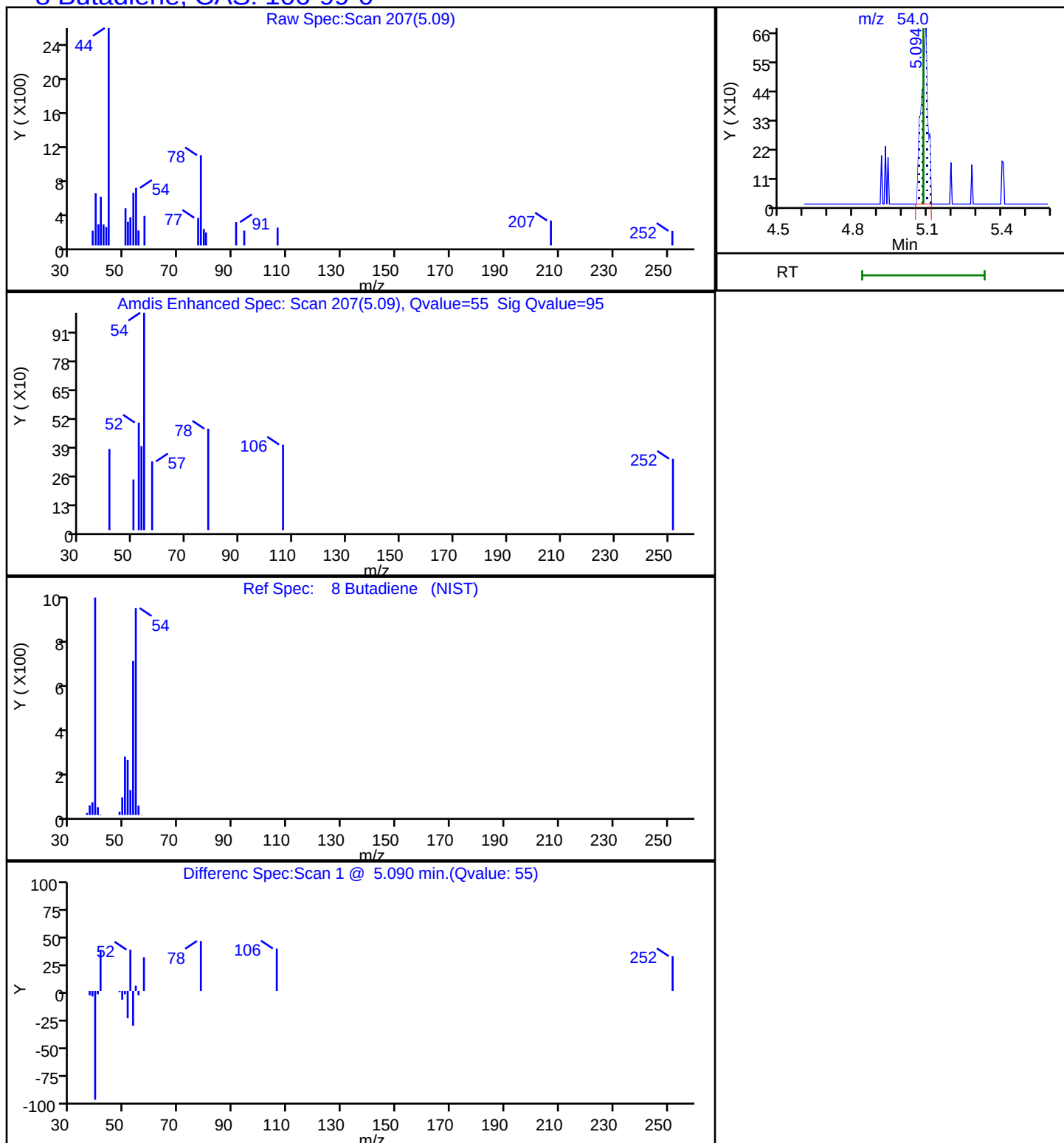
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

8 Butadiene, CAS: 106-99-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-06.D

Injection Date: 21-Feb-2020 11:29:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-10

Lab Sample ID: 200-52685-10

Client ID: AA-03-021420

Operator ID: ggg

ALS Bottle#: 6

Worklist Smp#: 6

Purge Vol: 200.000 mL

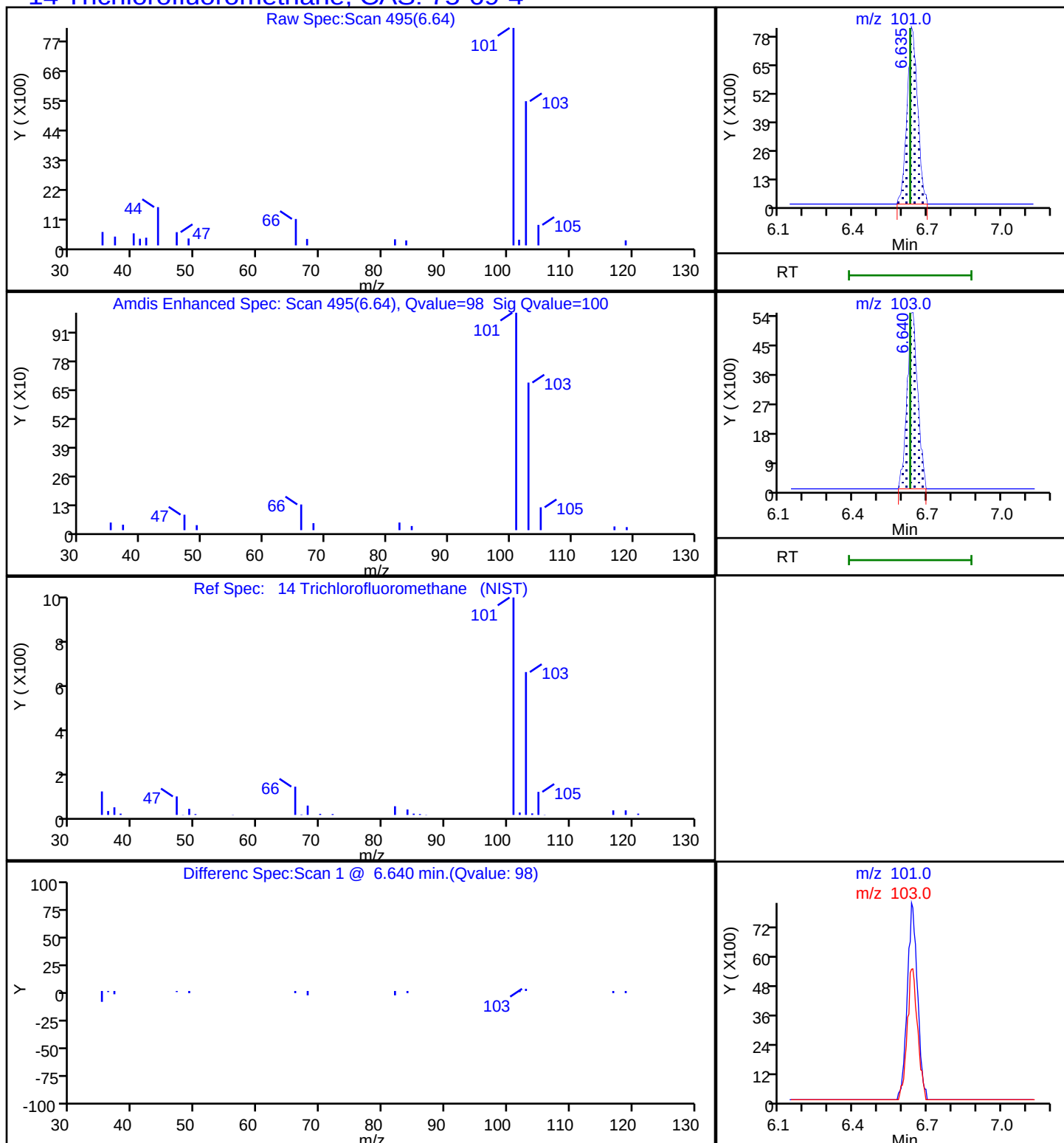
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

14 Trichlorofluoromethane, CAS: 75-69-4

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-06.D

Injection Date: 21-Feb-2020 11:29:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-10

Lab Sample ID: 200-52685-10

Client ID: AA-03-021420

Operator ID: ggg

ALS Bottle#: 6

Worklist Smp#: 6

Purge Vol: 200.000 mL

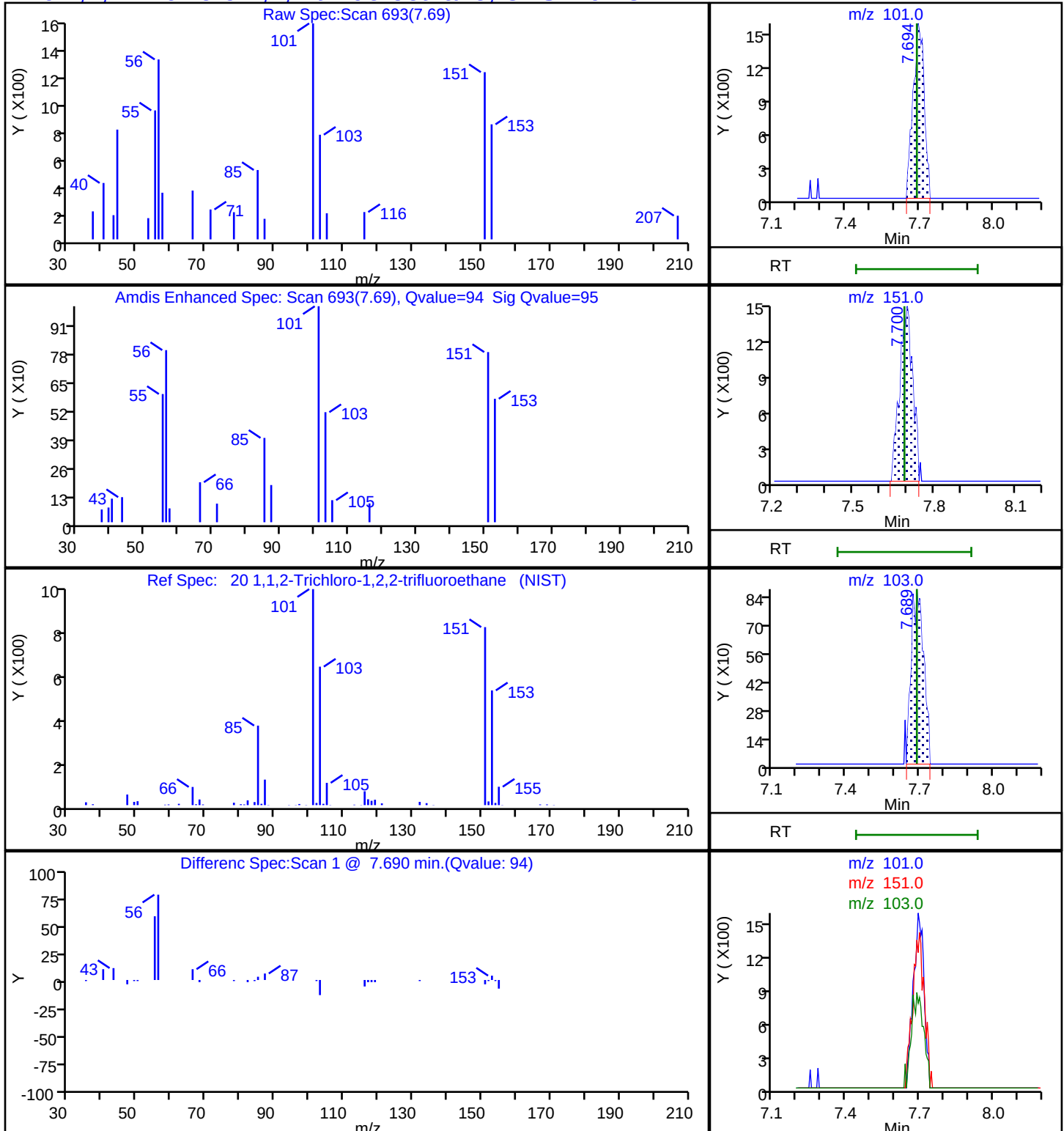
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-06.D

Injection Date: 21-Feb-2020 11:29:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-10

Lab Sample ID: 200-52685-10

Client ID: AA-03-021420

Operator ID: ggg

ALS Bottle#: 6

Worklist Smp#: 6

Purge Vol: 200.000 mL

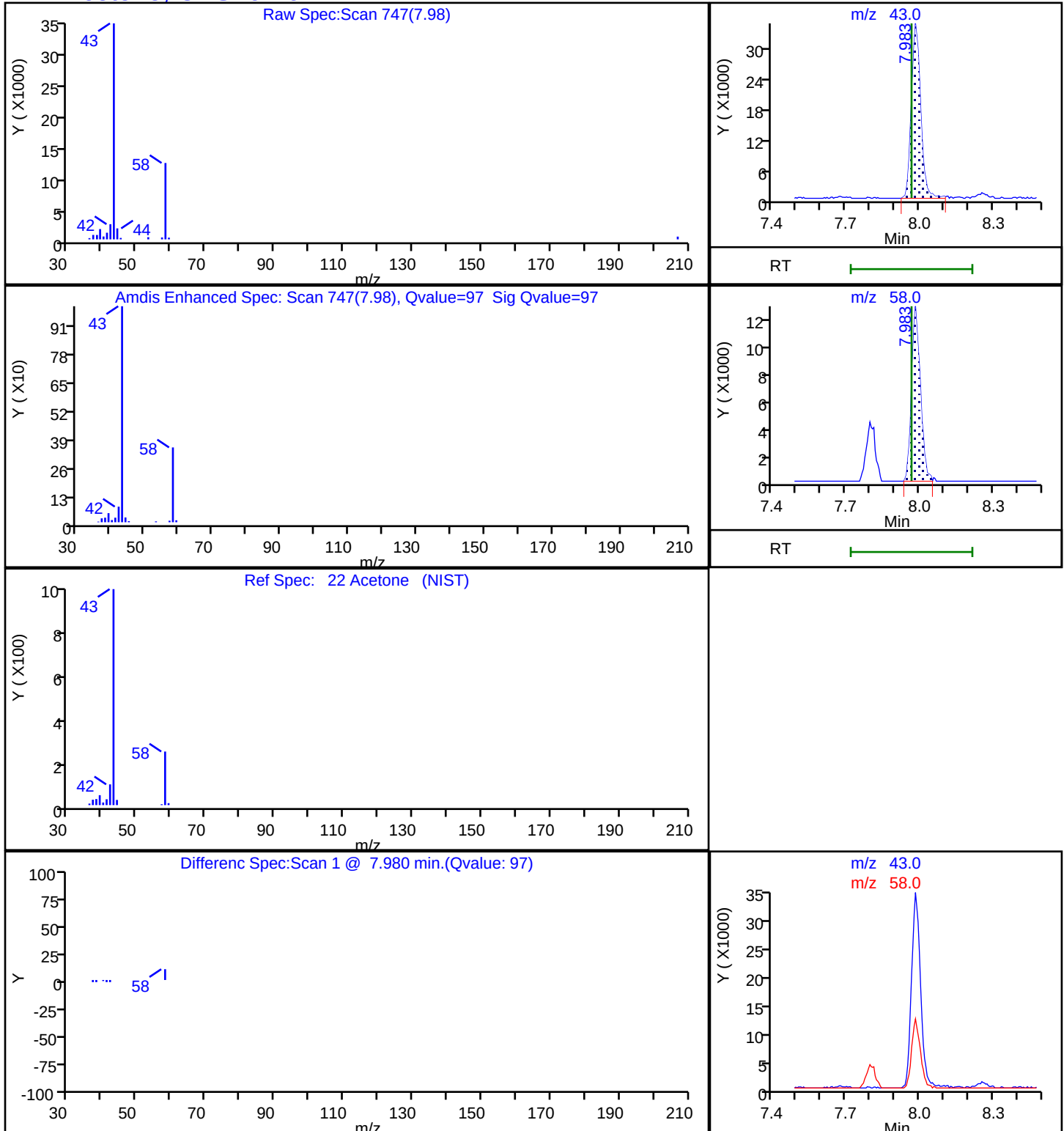
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

22 Acetone, CAS: 67-64-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-06.D

Injection Date: 21-Feb-2020 11:29:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-10

Lab Sample ID: 200-52685-10

Client ID: AA-03-021420

Operator ID: ggg

ALS Bottle#: 6

Worklist Smp#: 6

Purge Vol: 200.000 mL

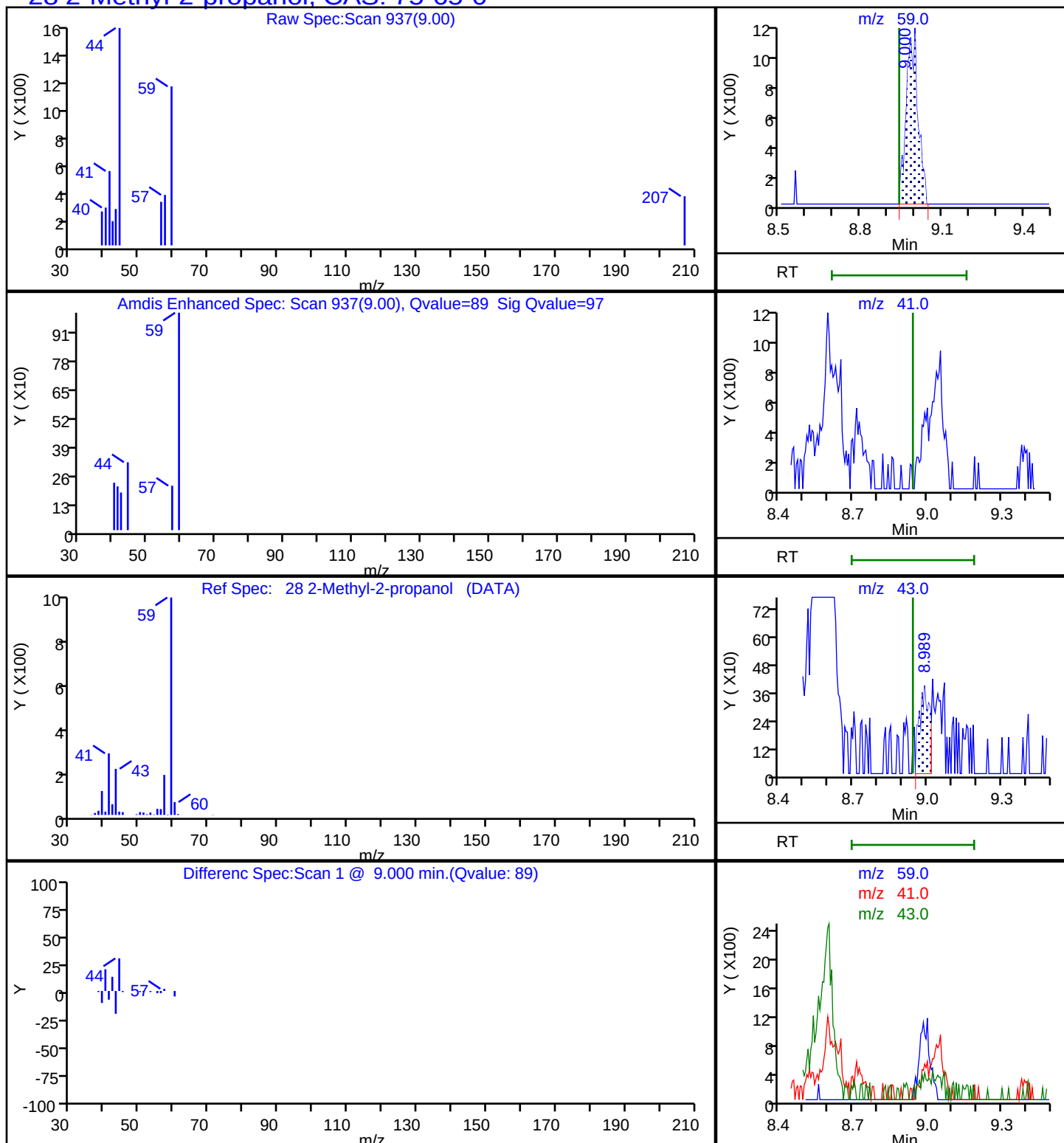
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-06.D

Injection Date: 21-Feb-2020 11:29:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-10

Lab Sample ID: 200-52685-10

Client ID: AA-03-021420

Operator ID: ggg

ALS Bottle#: 6

Worklist Smp#: 6

Purge Vol: 200.000 mL

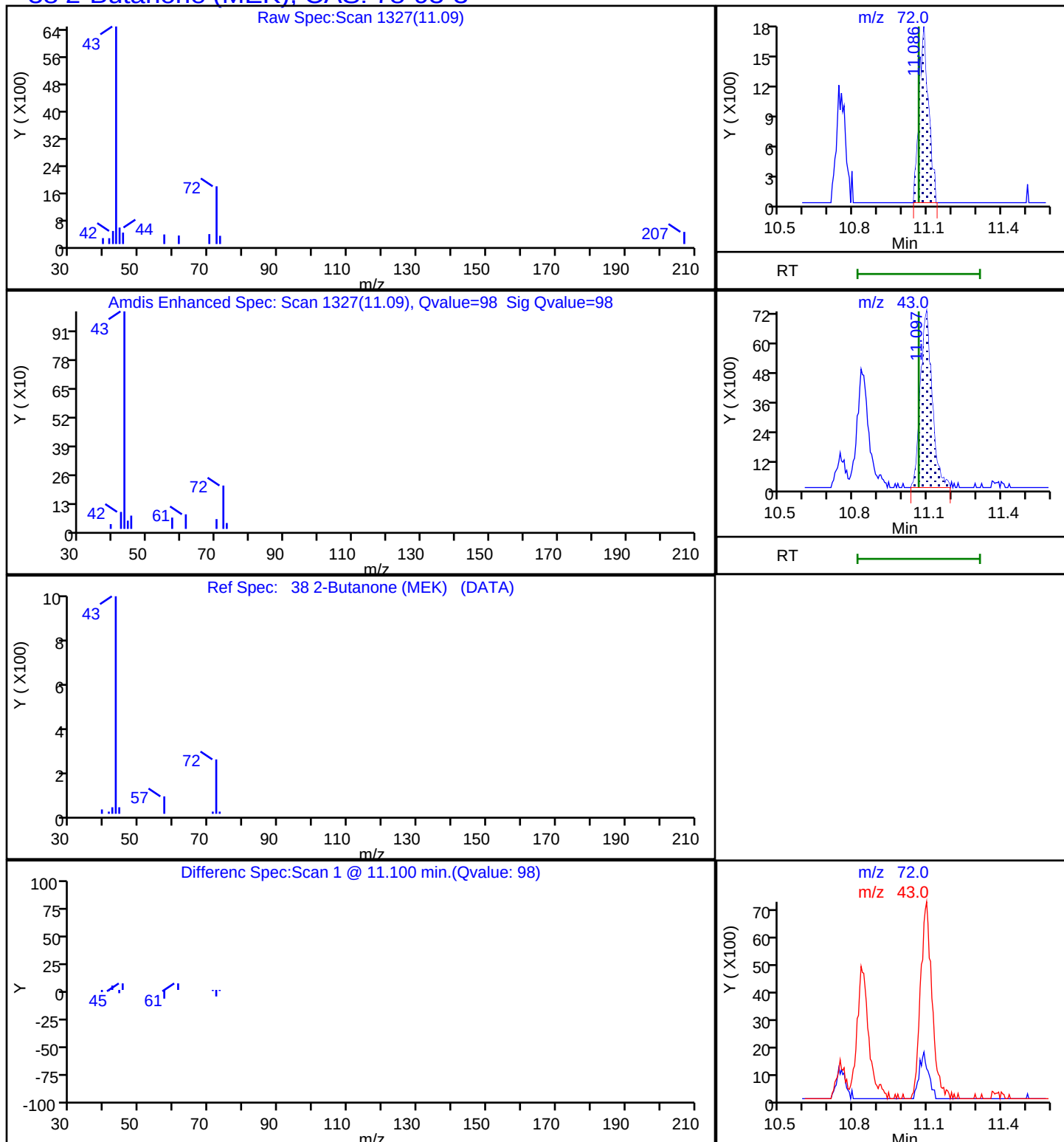
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

38 2-Butanone (MEK), CAS: 78-93-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-06.D

Injection Date: 21-Feb-2020 11:29:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-10

Lab Sample ID: 200-52685-10

Client ID: AA-03-021420

Operator ID: ggg

ALS Bottle#: 6

Worklist Smp#: 6

Purge Vol: 200.000 mL

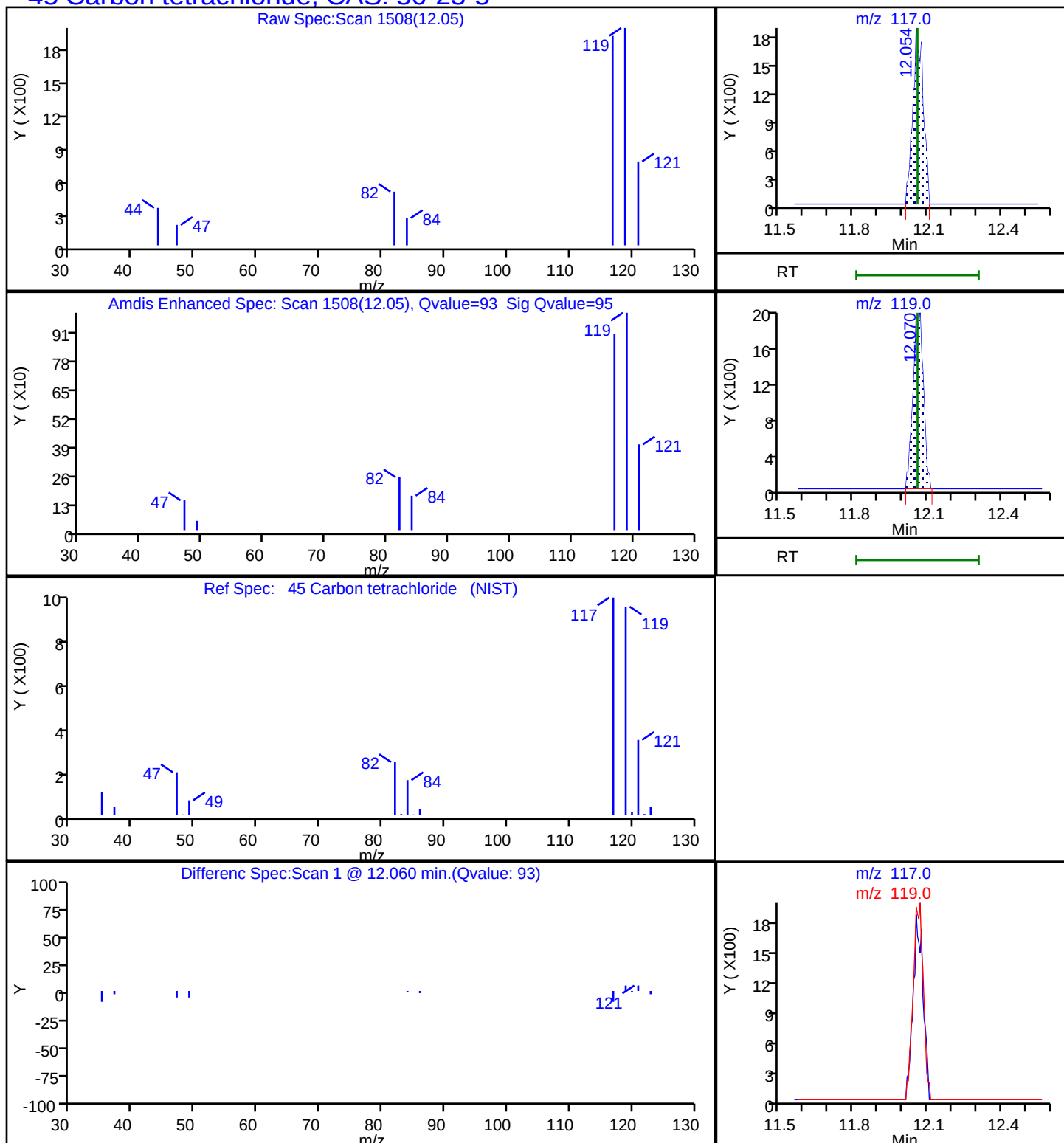
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

45 Carbon tetrachloride, CAS: 56-23-5

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-06.D

Injection Date: 21-Feb-2020 11:29:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-10

Lab Sample ID: 200-52685-10

Client ID: AA-03-021420

Operator ID: ggg

ALS Bottle#: 6

Worklist Smp#: 6

Purge Vol: 200.000 mL

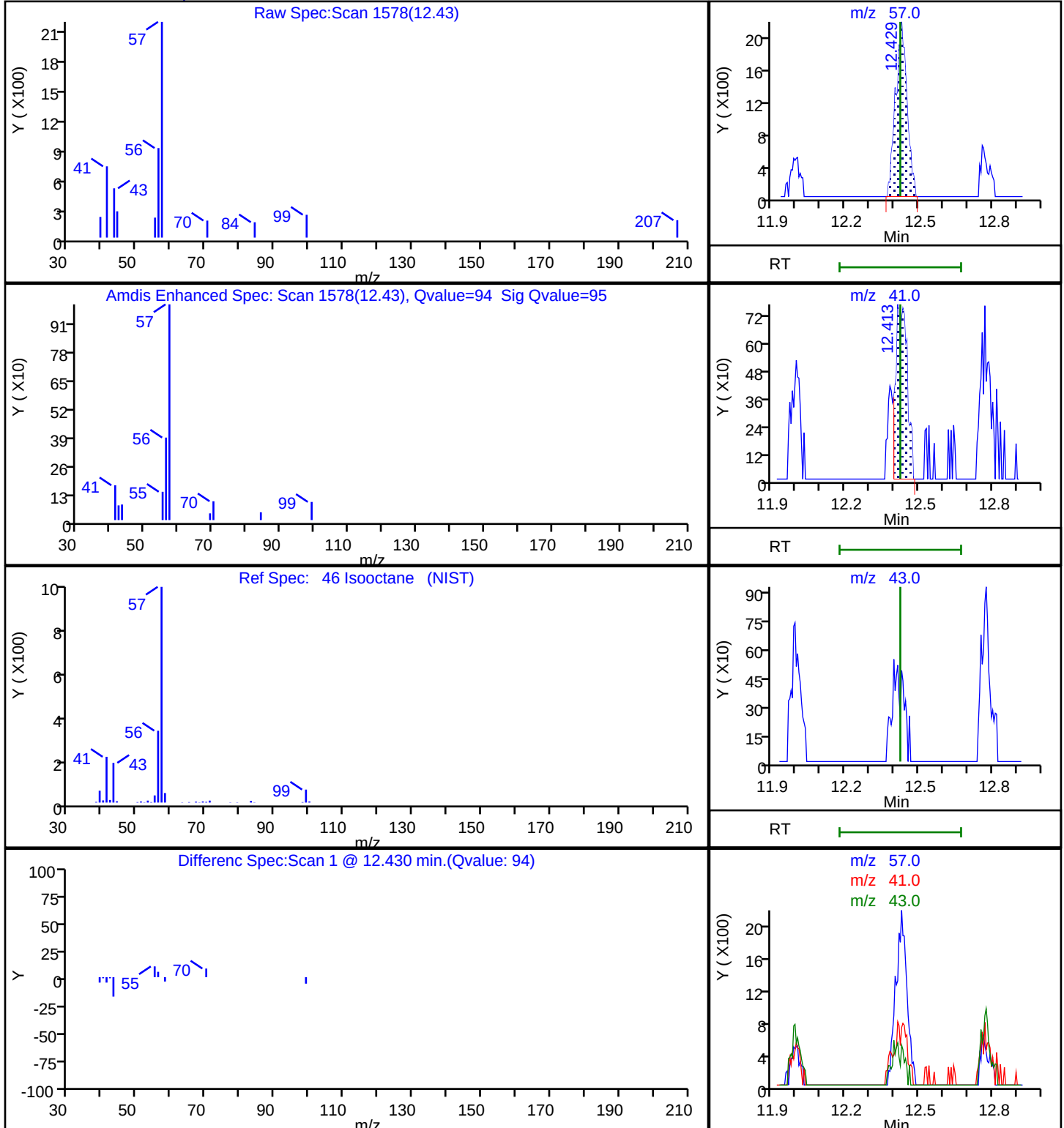
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

46 Isooctane, CAS: 540-84-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-06.D

Injection Date: 21-Feb-2020 11:29:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-10

Lab Sample ID: 200-52685-10

Client ID: AA-03-021420

Operator ID: ggg

ALS Bottle#: 6

Worklist Smp#: 6

Purge Vol: 200.000 mL

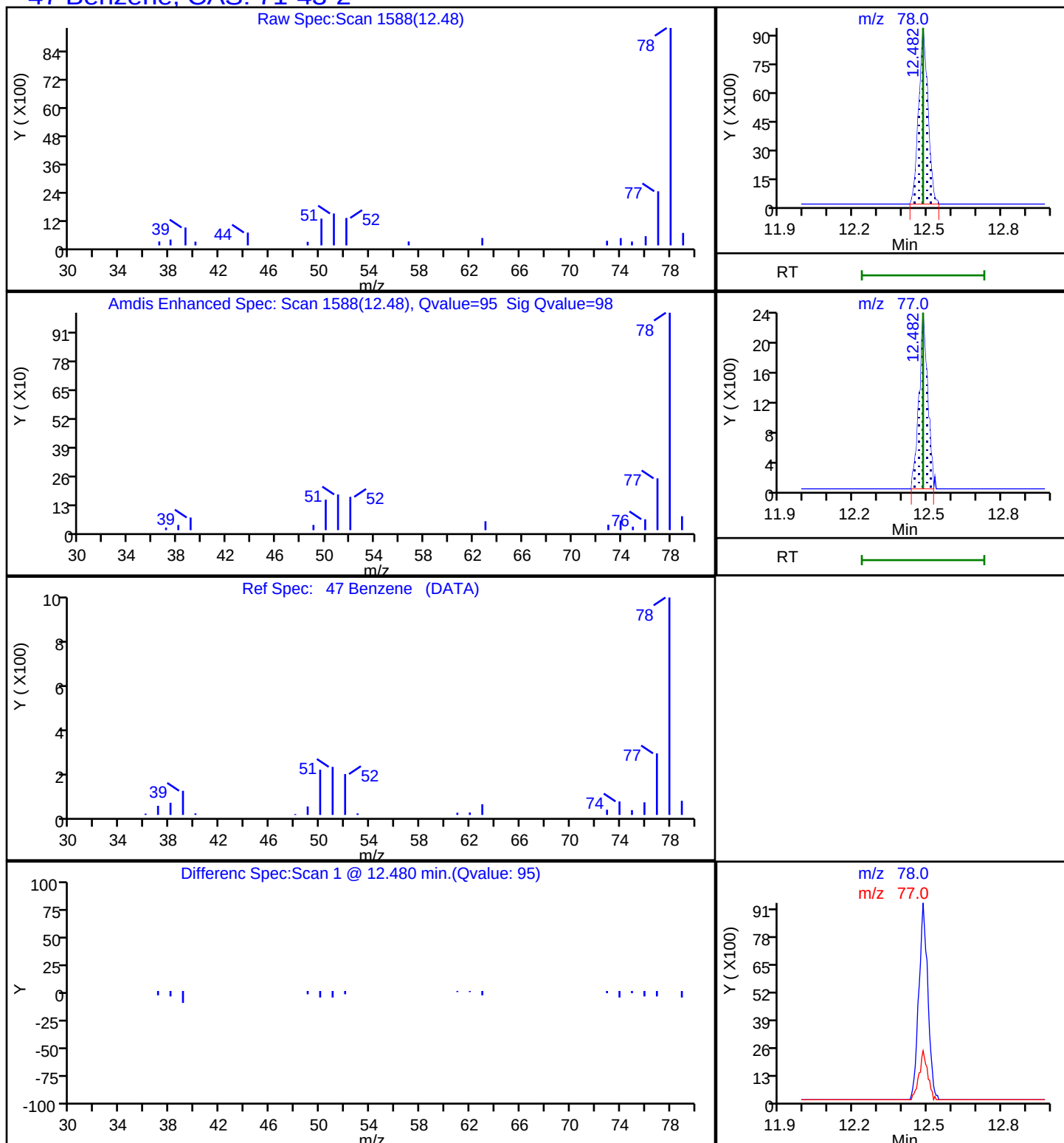
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

47 Benzene, CAS: 71-43-2

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-06.D

Injection Date: 21-Feb-2020 11:29:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-10

Lab Sample ID: 200-52685-10

Client ID: AA-03-021420

Operator ID: ggg

ALS Bottle#: 6

Worklist Smp#: 6

Purge Vol: 200.000 mL

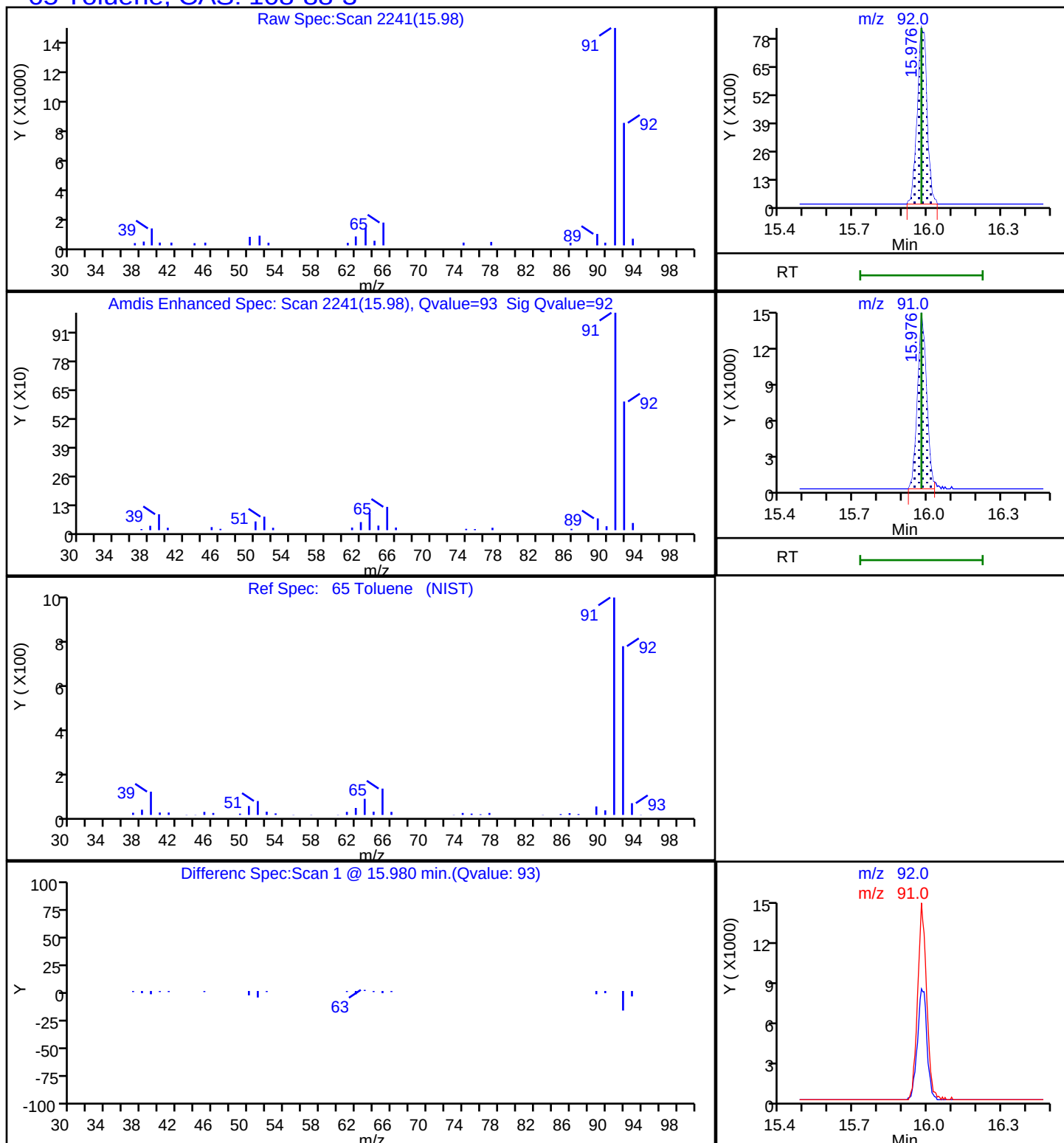
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

65 Toluene, CAS: 108-88-3

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-06.D

Injection Date: 21-Feb-2020 11:29:30

Instrument ID: CHX.i

Lims ID: 200-52685-A-10

Lab Sample ID: 200-52685-10

Client ID: AA-03-021420

Operator ID: ggg

ALS Bottle#: 6

Worklist Smp#: 6

Purge Vol: 200.000 mL

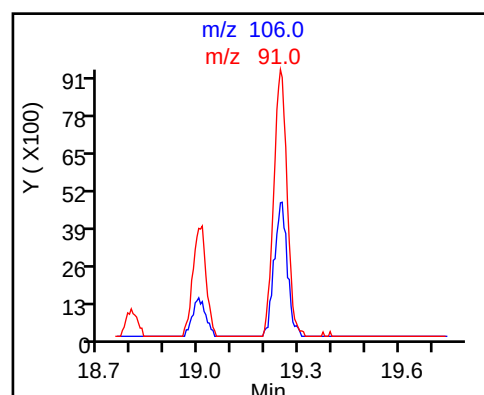
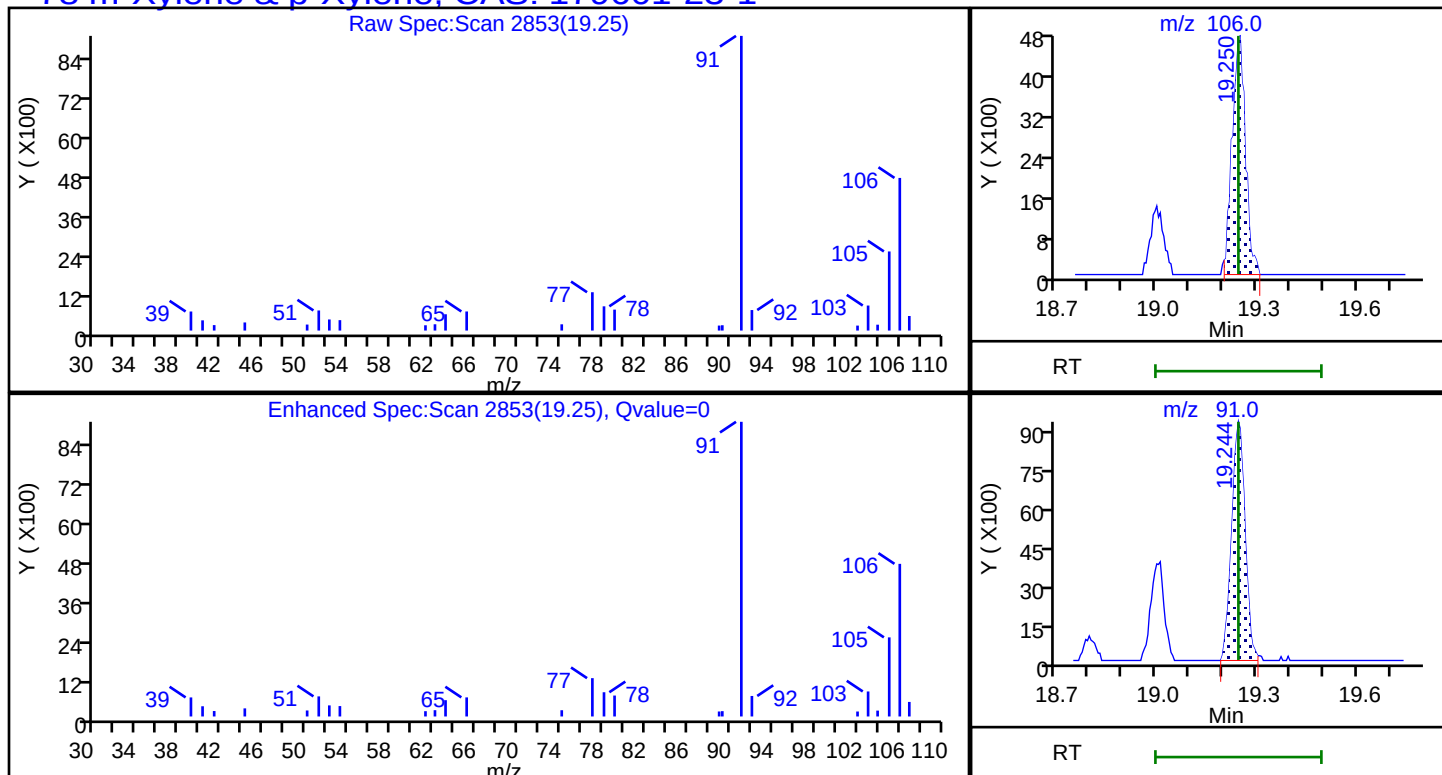
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

78 m-Xylene & p-Xylene, CAS: 179601-23-1

Eurofins TestAmerica, Burlington

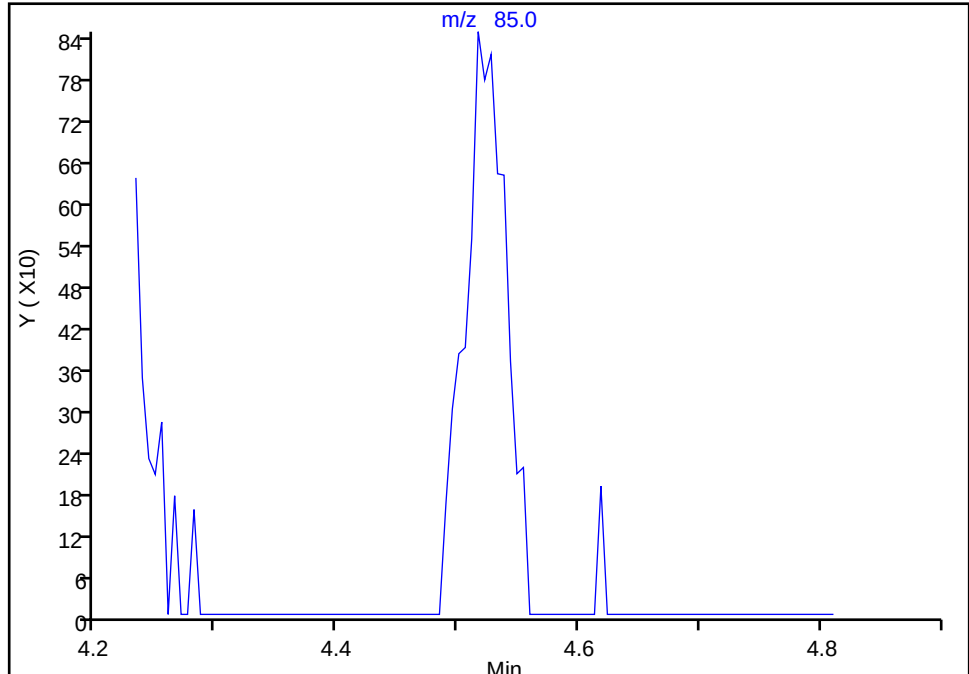
Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-06.D
Injection Date: 21-Feb-2020 11:29:30 Instrument ID: CHX.i
Lims ID: 200-52685-A-10 Lab Sample ID: 200-52685-10
Client ID: AA-03-021420
Operator ID: ggg ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

4 1,2-Dichloro-1,1,2,2-tetrafluoroethane, CAS: 76-14-2

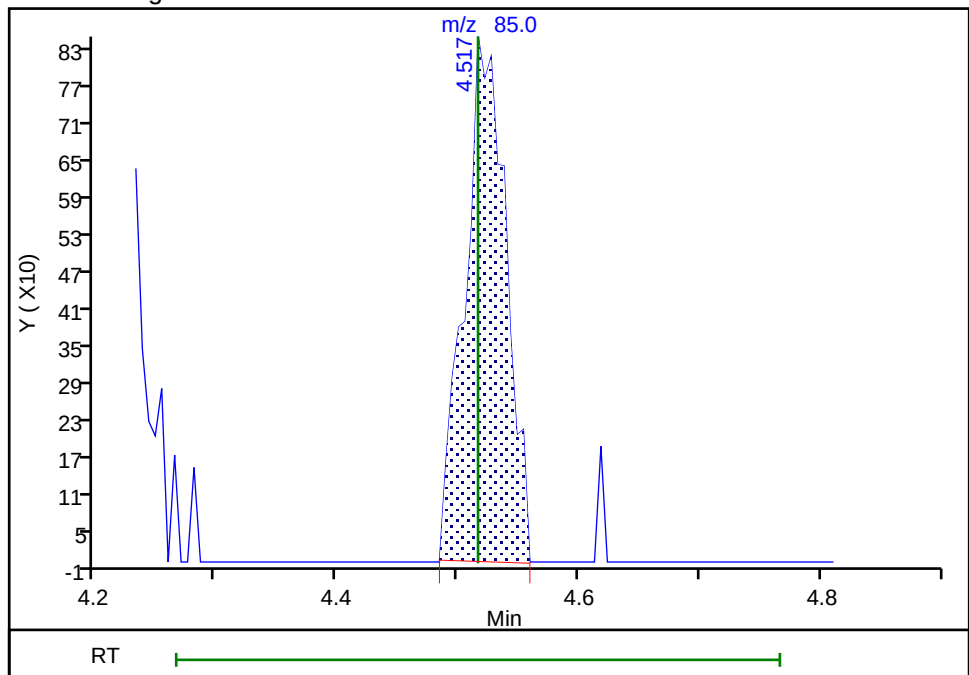
Signal: 1

Not Detected
Expected RT: 4.52

Processing Integration Results



Manual Integration Results



Reviewer: puangmaleek, 24-Feb-2020 10:25:27

Audit Action: Manually Integrated

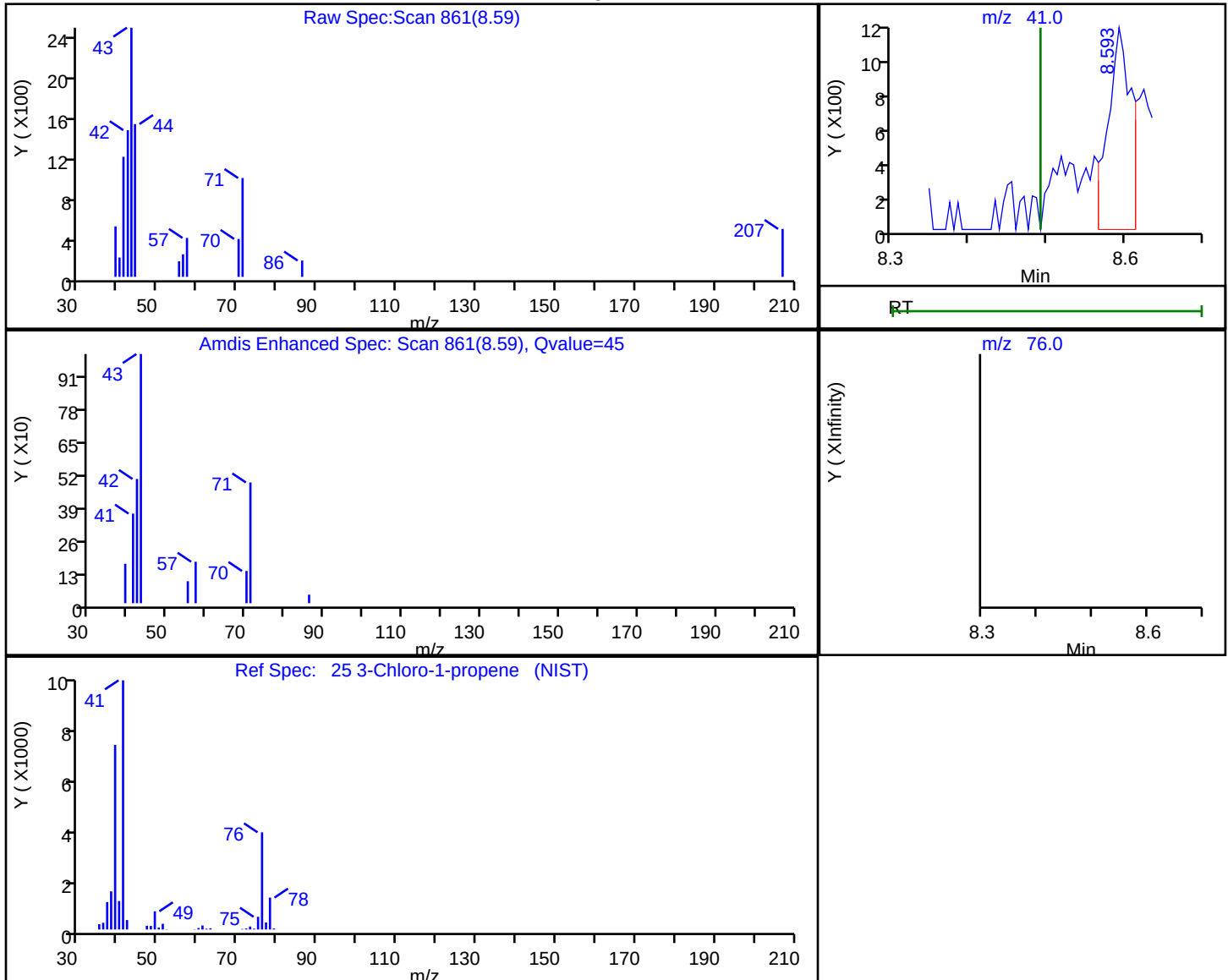
Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-06.D
Injection Date: 21-Feb-2020 11:29:30 Instrument ID: CHX.i
Lims ID: 200-52685-A-10 Lab Sample ID: 200-52685-10
Client ID: AA-03-021420
Operator ID: ggg ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

25 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
8.59	41.00	2442	0.101570
8.49	76.00	0	

Reviewer: puangmaleek, 24-Feb-2020 10:26:12

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

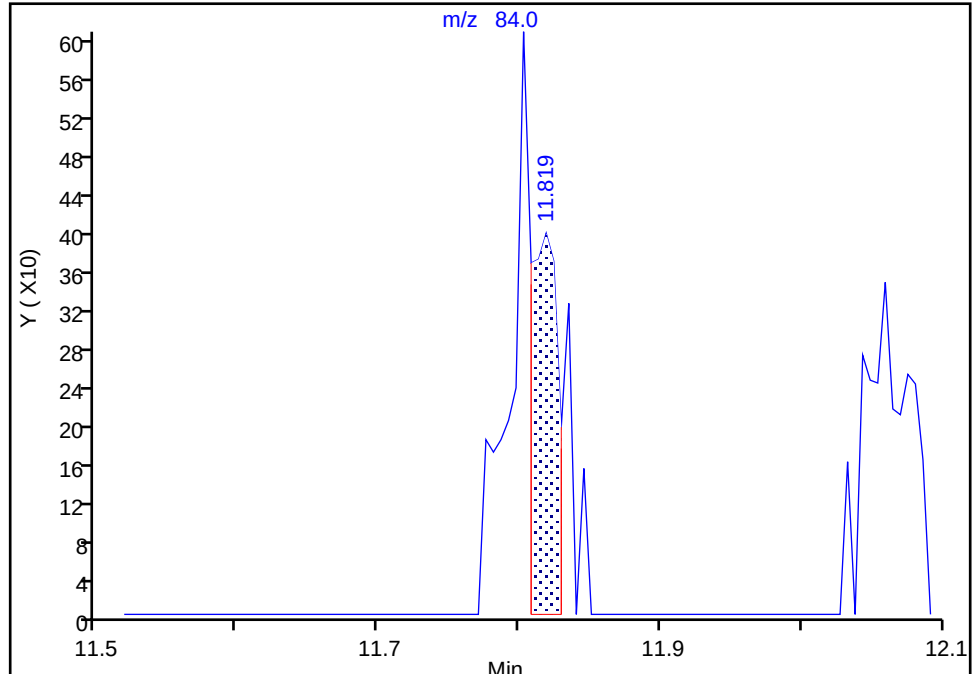
Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-06.D
Injection Date: 21-Feb-2020 11:29:30 Instrument ID: CHX.i
Lims ID: 200-52685-A-10 Lab Sample ID: 200-52685-10
Client ID: AA-03-021420
Operator ID: ggg ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7

Signal: 1

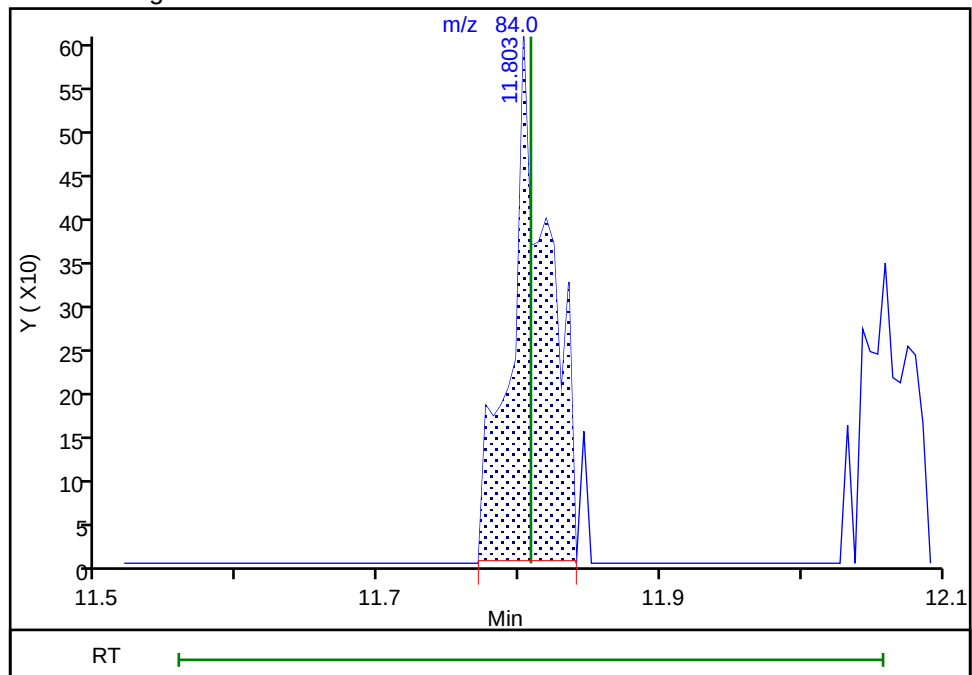
RT: 11.82
Area: 544
Amount: 0.012481
Amount Units: ppb v/v

Processing Integration Results



RT: 11.80
Area: 1141
Amount: 0.026178
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 24-Feb-2020 10:26:53

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

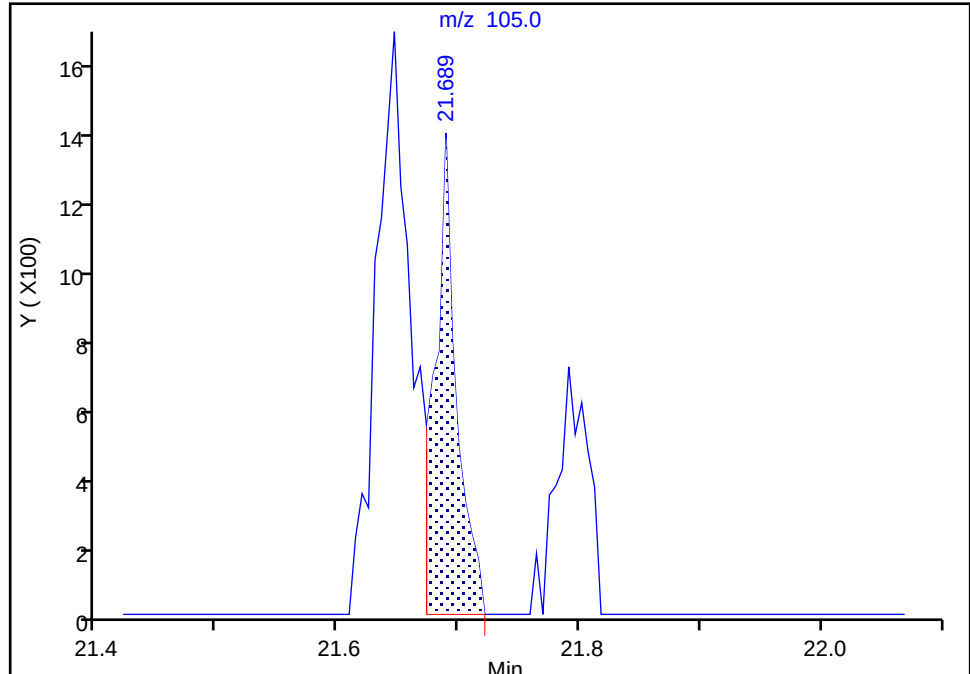
Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-06.D
Injection Date: 21-Feb-2020 11:29:30 Instrument ID: CHX.i
Lims ID: 200-52685-A-10 Lab Sample ID: 200-52685-10
Client ID: AA-03-021420
Operator ID: ggg ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

90 1,3,5-Trimethylbenzene, CAS: 108-67-8

Signal: 1

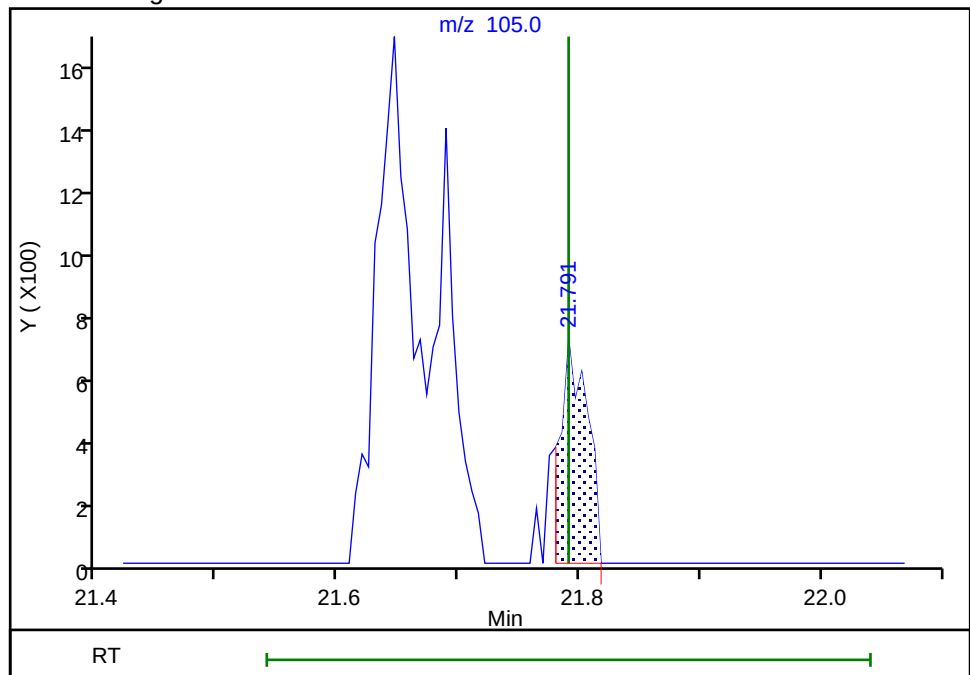
RT: 21.69
Area: 1741
Amount: 0.009798
Amount Units: ppb v/v

Processing Integration Results



RT: 21.79
Area: 1125
Amount: 0.006331
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 24-Feb-2020 10:28:12

Audit Action: Assigned Compound ID

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

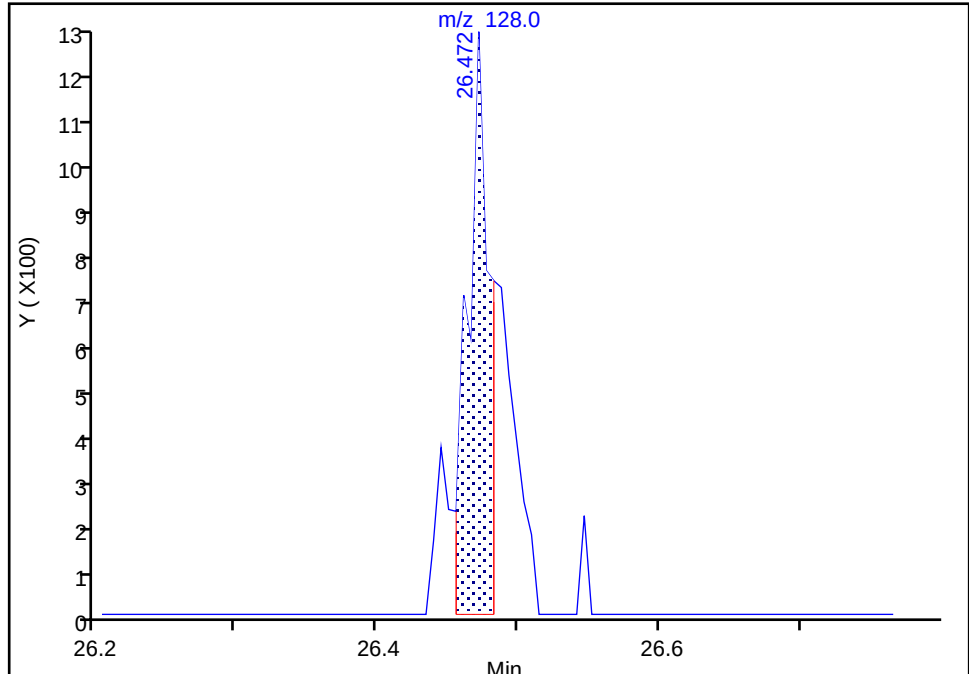
Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-06.D
Injection Date: 21-Feb-2020 11:29:30 Instrument ID: CHX.i
Lims ID: 200-52685-A-10 Lab Sample ID: 200-52685-10
Client ID: AA-03-021420
Operator ID: ggg ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

105 Naphthalene, CAS: 91-20-3

Signal: 1

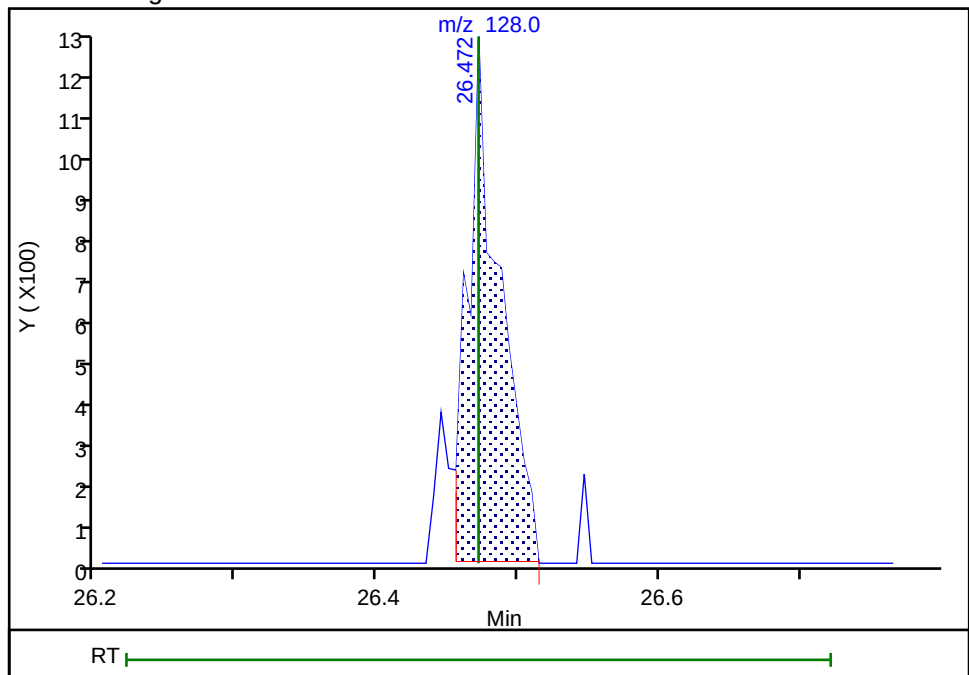
RT: 26.47
Area: 1296
Amount: 0.008570
Amount Units: ppb v/v

Processing Integration Results



RT: 26.47
Area: 1901
Amount: 0.012570
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 24-Feb-2020 10:25:01

Audit Action: Manually Integrated

Audit Reason: Assign Peak

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1 Analy Batch No.: 152505

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2020 18:21 Calibration End Date: 02/19/2020 02:47 Calibration ID: 43158

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-152505/4	40074-04.D
Level 2	IC 200-152505/5	40074-05.D
Level 3	IC 200-152505/6	40074-06.D
Level 4	IC 200-152505/7	40074-07.D
Level 5	ICIS 200-152505/8	40074-08.D
Level 6	IC 200-152505/9	40074-09.D
Level 7	IC 200-152505/12	40074-12.D
Level 8	IC 200-152505/13	40074-13.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	++++ 1.4645	++++ 1.4082	++++ 1.4302	1.5349	1.4683	Ave		1.4612				3.3		30.0			
Dichlorodifluoromethane	++++ 3.5571	++++ 3.5355	++++ 3.7159 3.5264	3.4274	3.4943	Ave		3.5428				2.7		30.0			
Freon 22	++++ 2.6028	++++ 2.5371	++++ 2.9484 2.5770	2.6347	2.6126	Ave		2.6521				5.6		30.0			
1,2-Dichlorotetrafluoroethane	++++ 3.5324	3.9773 3.5169	3.7773 3.5160	3.5232	3.5394	Ave		3.6261				5.0		30.0			
Chloromethane	++++ 1.3625	++++ 1.3273	1.6035 1.3480	1.3832	1.3708	Ave		1.3992				7.3		30.0			
n-Butane	++++ 2.4963	++++ 2.4111	3.0876 2.4246	2.6296	2.5629	Ave		2.6020				9.7		30.0			
Vinyl chloride	1.6299 1.4369	1.6466 1.4140	1.6104 1.4133	1.4681	1.4498	Ave		1.5086				6.7		30.0			
1,3-Butadiene	1.3306 1.1695	1.1466 1.1599	1.3195 1.1568	1.2225	1.2087	Ave		1.2143				6.0		30.0			
Bromomethane	++++ 1.1818	1.2976 1.1685	1.3015 1.1814	1.1539	1.1854	Ave		1.2100				5.1		30.0			
Chloroethane	++++ 0.6777	++++ 0.6589	0.7185 0.6694	0.6860	0.6833	Ave		0.6823				3.0		30.0			
Isopentane	++++ 1.7042	2.1207 1.6183	2.2512 1.6779	1.8671	1.7911	Ave		1.8615				12.8		30.0			
Bromoethene (Vinyl Bromide)	++++ 1.1157	1.2019 1.1041	1.1530 1.1294	1.0631	1.1009	Ave		1.1240				3.9		30.0			
Trichlorofluoromethane	++++ 3.1756	3.5902 3.1310	3.3063 3.2017	3.0855	3.1278	Ave		3.2311				5.4		30.0			
n-Pentane	++++ 2.9015	++++ 2.8279	3.4203 2.8496	3.0220	2.9577	Ave		2.9965				7.3		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1 Analy Batch No.: 152505

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2020 18:21 Calibration End Date: 02/19/2020 02:47 Calibration ID: 43158

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	++++ 0.8939	++++ 0.7932	1.0794 0.7457	1.0357	0.9338	Ave		0.9136				14.3		30.0			
Ethyl ether	++++ 1.0102	0.9918 0.9851	1.0735 1.0006	0.9984	1.0001	Ave		1.0085				2.9		30.0			
Acrolein	++++ 0.6504	1.1457 0.6139	0.7500 0.6587	0.6242	0.6689	Ave		0.7303				25.8		30.0			
Freon TF	++++ 2.5201	2.7483 2.4966	2.6251 2.5352	2.4359	2.5025	Ave		2.5519				4.1		30.0			
1,1-Dichloroethene	1.2774 1.1955	1.3340 1.1729	1.2704 1.1980	1.1669	1.1827	Ave		1.2247				5.0		30.0			
Acetone	++++ 2.6847	++++ 2.6093	++++ 2.6810	2.8580	2.7080	Ave		2.7082				3.4		30.0			
Carbon disulfide	++++ 3.7829	++++ 3.7703	3.9117 3.8549	3.6874	3.7315	Ave		3.7898				2.2		30.0			
Isopropyl alcohol	++++ 3.1042	++++ 2.9526	++++ 2.9423	3.1698	3.1270	Ave		3.0592				3.4		30.0			
3-Chloropropene	++++ 2.3276	3.0000 2.2781	2.7801 2.2689	2.3995	2.3946	Ave		2.4927				11.4		30.0			
Acetonitrile	++++ 1.3534	++++ 1.3294	++++ 1.3282	1.3771	1.3768	Ave		1.3530				1.8		30.0			
Methylene Chloride	++++ 1.9253	++++ 1.8843	2.1682 1.9044	1.9694	1.9419	Ave		1.9656				5.3		30.0			
tert-Butyl alcohol	++++ 3.1348	++++ 3.0462	++++ 3.0405	3.1026	3.1461	Ave		3.0940				1.6		30.0			
Methyl tert-butyl ether	++++ 3.9955	4.4466 3.9457	4.3303 3.9769	3.9992	4.0172	Ave		4.1016				4.9		30.0			
trans-1,2-Dichloroethene	++++ 2.2926	2.4303 2.2413	2.4925 2.2334	2.2972	2.3067	Ave		2.3277				4.2		30.0			
Acrylonitrile	++++ 1.1405	++++ 1.1253	1.1137 1.1550	1.1300	1.1478	Ave		1.1354				1.3		30.0			
n-Hexane	++++ 2.2976	2.8361 2.2501	2.5930 2.2537	2.3341	2.3250	Ave		2.4128				9.1		30.0			
1,1-Dichloroethane	3.1634 2.8085	3.1660 2.7724	3.0013 2.8310	2.8300	2.8083	Ave		2.9226				5.6		30.0			
Vinyl acetate	++++ 5.2426	++++ 5.1471	++++ 5.2421	5.3816	5.2868	Ave		5.2600				1.6		30.0			
cis-1,2-Dichloroethene	1.2620 1.4187	1.5681 1.4182	1.4528 1.4509	1.3906	1.4272	Ave		1.4236				5.9		30.0			
Methyl Ethyl Ketone	++++ 0.7494	++++ 0.7423	0.8343 0.7675	0.7330	0.7515	Ave		0.7630				4.8		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1 Analy Batch No.: 152505

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2020 18:21 Calibration End Date: 02/19/2020 02:47 Calibration ID: 43158

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	++++ 0.1224	++++ 0.1211	++++ 0.1244	0.1178	0.1178	Ave		0.1207				2.4		30.0			
Tetrahydrofuran	++++ 0.4878	++++ 0.4807	++++ 0.4846	0.5070	0.4946	Ave		0.4910				2.1		30.0			
Chloroform	++++ 3.2672	3.5333 3.2567	3.3906 3.3345	3.2063	3.2513	Ave		3.3200				3.4		30.0			
1,1,1-Trichloroethane	++++ 0.6424	0.6877 0.6349	0.6509 0.6509	0.6230	0.6368	Ave		0.6467				3.2		30.0			
Cyclohexane	++++ 0.3799	0.4023 0.3773	0.4032 0.3873	0.3689	0.3798	Ave		0.3855				3.4		30.0			
Carbon tetrachloride	0.5514 0.6396	0.6587 0.6356	0.6205 0.6524	0.6056	0.6372	Ave		0.6251				5.5		30.0			
Benzene	++++ 0.9297	1.0648 0.9195	1.0137 0.9476	0.9090	0.9162	Ave		0.9572				6.2		30.0			
2,2,4-Trimethylpentane	++++ 1.7631	1.9578 1.7460	1.8874 1.7714	1.7451	1.7617	Ave		1.8046				4.6		30.0			
1,2-Dichloroethane	0.4712 0.5098	0.5430 0.5009	0.5255 0.5134	0.4981	0.5053	Ave		0.5084				4.1		30.0			
n-Heptane	++++ 0.8404	1.0565 0.8248	0.9704 0.8426	0.8526	0.8467	Ave		0.8906				9.9		30.0			
n-Butanol	++++ 0.3051	++++ 0.2960	++++ 0.3099	0.2826	0.2914	Ave		0.2970				3.7		30.0			
Trichloroethene	0.3893 0.3966	0.4466 0.3917	0.4001 0.4078	0.3897	0.3910	Ave		0.4016				4.8		30.0			
1,2-Dichloropropane	++++ 0.4121	0.4360 0.4061	0.4320 0.4243	0.3973	0.4032	Ave		0.4158				3.6		30.0			
Methyl methacrylate	++++ 0.3925	++++ 0.3947	++++ 0.4179	0.3654	0.3855	Ave		0.3905				4.3		30.0			
Dibromomethane	++++ 0.3414	0.3581 0.3392	0.3529 0.3510	0.3344	0.3411	Ave		0.3455				2.5		30.0			
1,4-Dioxane	++++ 0.1926	++++ 0.1835	++++ 0.1835	0.1929	0.1895	Ave		0.1884				2.5		30.0			
Bromodichloromethane	++++ 0.7362	0.7485 0.7362	0.7227 0.7824	0.6868	0.7218	Ave		0.7335				4.0		30.0			
cis-1,3-Dichloropropene	++++ 0.6683	0.6439 0.6647	0.6528 0.7019	0.6328	0.6544	Ave		0.6598				3.4		30.0			
methyl isobutyl ketone	++++ 1.2241	++++ 1.2199	1.2735 1.2910	1.1876	1.2124	Ave		1.2348				3.2		30.0			
Toluene	++++ 0.6981	0.7284 0.6958	0.7454 0.7127	0.6646	0.6897	Ave		0.7049				3.8		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1 Analy Batch No.: 152505

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2020 18:21 Calibration End Date: 02/19/2020 02:47 Calibration ID: 43158

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	++++ 1.2725	1.4607 1.2569	1.3883 1.3006	1.2552	1.2704	Ave		1.3149				6.0		30.0			
trans-1,3-Dichloropropene	++++ 0.6398	0.5756 0.6392	0.6302 0.6763	0.6002	0.6346	Ave		0.6280				5.1		30.0			
1,1,2-Trichloroethane	++++ 0.3562	0.3630 0.3572	0.3736 0.3698	0.3413	0.3512	Ave		0.3589				3.1		30.0			
Tetrachloroethene	0.4937 0.5100	0.5292 0.5087	0.5101 0.5212	0.4928	0.4990	Ave		0.5081				2.5		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 1.2440	++++ 1.2595	1.5701 1.3248	1.1816	1.2311	Ave		1.3018				10.7		30.0			
Dibromochloromethane	++++ 0.6970	0.6989 0.7282	0.6362 0.7607	0.6358	0.6960	Ave		0.6961				6.0		30.0			
1,2-Dibromoethane	++++ 0.5925	0.5711 0.5898	0.5727 0.6153	0.5532	0.5778	Ave		0.5818				3.4		30.0			
Chlorobenzene	++++ 0.8536	0.9108 0.8510	0.8765 0.8747	0.8210	0.8427	Ave		0.8615				3.3		30.0			
Ethylbenzene	++++ 1.6149	1.6703 1.6133	1.6608 1.6789	1.5264	1.5867	Ave		1.6216				3.3		30.0			
n-Nonane	++++ 0.9853	0.9929 0.9864	1.0146 1.0215	0.9321	0.9697	Ave		0.9861				3.0		30.0			
m,p-Xylene	++++ 0.5730	0.5769 0.5747	0.5854 0.6051	0.5447	0.5625	Ave		0.5746				3.3		30.0			
Xylene, o-	++++ 0.5525	0.5466 0.5507	0.5602 0.5759	0.5226	0.5405	Ave		0.5499				3.0		30.0			
Styrene	++++ 0.9190	0.7011 0.9296	0.8806 0.9941	0.8535	0.9060	Ave		0.8834				10.4		30.0			
Bromoform	++++ 0.5575	0.5589 0.6777	0.5232 0.7289	0.4957	0.6008	Ave		0.5918				14.2		30.0			
Cumene	++++ 1.6864	1.7210 1.6805	1.7215 1.7733	1.5870	1.6536	Ave		1.6891				3.5		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.9596	0.8790 0.9567	0.9815 1.0234	0.8720	0.9141	Ave		0.9409				5.9		30.0			
1,2,3-Trichloropropane	++++ 0.8130	++++ 0.8142	0.8474 0.8782	0.7580	0.7828	Ave		0.8156				5.3		30.0			
n-Propylbenzene	++++ 2.2072	2.2807 2.2053	2.2228 2.3522	2.0523	2.1296	Ave		2.2071				4.4		30.0			
2-Chlorotoluene	++++ 1.5560	1.6151 1.5714	1.5660 1.6968	1.4521	1.5070	Ave		1.5663				5.0		30.0			
4-Ethyltoluene	++++ 1.7597	1.6365 1.7784	1.7633 1.9138	1.6455	1.6986	Ave		1.7423				5.4		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1 Analy Batch No.: 152505

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2020 18:21 Calibration End Date: 02/19/2020 02:47 Calibration ID: 43158

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-Decane	++++ 1.3149	++++ 1.3127	1.2605 1.4193	1.2343	1.2822	Ave		1.3040				4.9		30.0			
1,3,5-Trimethylbenzene	++++ 1.4389	1.2705 1.4530	1.4263 1.5949	1.3444	1.3936	Ave		1.4174				7.1		30.0			
Alpha Methyl Styrene	++++ 0.7187	0.4999 0.7359	0.6881 0.8041	0.6664	0.7038	Ave		0.6881				13.6		30.0			
tert-Butylbenzene	++++ 1.3162	1.3851 1.3192	1.3141 1.4363	1.2425	1.2911	Ave		1.3292				4.8		30.0			
1,2,4-Trimethylbenzene	++++ 1.4513	1.3122 1.4565	1.4331 1.6146	1.3560	1.4201	Ave		1.4348				6.6		30.0			
sec-Butylbenzene	++++ 2.1098	2.1021 2.1071	2.0661 2.3022	1.9710	2.0529	Ave		2.1016				4.8		30.0			
4-Isopropyltoluene	++++ 1.7486	1.7492 1.7626	1.6909 1.9341	1.6169	1.7002	Ave		1.7432				5.6		30.0			
1,3-Dichlorobenzene	++++ 0.9015	0.8555 0.9152	0.9743 1.0158	0.8389	0.8887	Ave		0.9128				6.9		30.0			
1,4-Dichlorobenzene	++++ 0.8986	0.8136 0.9167	1.0072 1.0108	0.8543	0.8910	Ave		0.9131				8.1		30.0			
Benzyl chloride	++++ 1.5180	1.2145 1.5433	1.3615 1.7519	1.2969	1.4999	Ave		1.4551				12.3		30.0			
n-Butylbenzene	++++ 1.8434	1.7652 1.8596	1.9760 2.0448	1.7180	1.8107	Ave		1.8597				6.2		30.0			
n-Undecane	++++ 1.4782	++++ 1.4759	++++ 1.5403	1.3788	1.4565	Ave		1.4659				4.0		30.0			
1,2-Dichlorobenzene	++++ 0.8546	0.8437 0.8599	0.9392 0.9641	0.8136	0.8460	Ave		0.8744				6.3		30.0			
n-Dodecane	++++ 1.6026	++++ 1.5406	++++ 0.9837	1.5425	1.6341	Ave		1.4607				18.5		30.0			
1,2,4-Trichlorobenzene	++++ 0.7424	++++ 0.7533	0.9573 0.6564	0.6858	0.7589	Ave		0.7590				13.9		30.0			
Hexachlorobutadiene	++++ 0.7309	0.8068 0.7160	0.7335 0.5911	0.7102	0.7382	Ave		0.7181				9.0		30.0			
Naphthalene	++++ 1.6325	++++ 1.7042	2.6565 1.4800	1.5103	1.7213	Ave		1.7841				24.6		30.0			
1,2,3-Trichlorobenzene	++++ 0.7280	++++ 0.7202	0.9353 0.5384	0.6804	0.7451	Ave		0.7246				17.6		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1 Analy Batch No.: 152505

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2020 18:21 Calibration End Date: 02/19/2020 02:47 Calibration ID: 43158

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-152505/4	40074-04.D
Level 2	IC 200-152505/5	40074-05.D
Level 3	IC 200-152505/6	40074-06.D
Level 4	IC 200-152505/7	40074-07.D
Level 5	ICIS 200-152505/8	40074-08.D
Level 6	IC 200-152505/9	40074-09.D
Level 7	IC 200-152505/12	40074-12.D
Level 8	IC 200-152505/13	40074-13.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	++++ 258767	++++ 338029	++++ 700654	75183	166294	++++ 15.5	++++ 20.6	++++ 41.3	4.64	10.3
Dichlorodifluoromethane	BCM	Ave	++++ 635803	++++ 858518	18599 1747617	169839	400354	++++ 15.7	++++ 20.9	0.470 41.8	4.69	10.4
Freon 22	BCM	Ave	++++ 467015	++++ 618434	14814 1282032	131056	300480	++++ 15.7	++++ 21.0	0.472 41.9	4.71	10.5
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 629569	8146 851556	18852 1737469	174083	404361	++++ 15.6	0.188 20.8	0.469 41.6	4.68	10.4
Chloromethane	BCM	Ave	++++ 254736	++++ 337126	8395 698749	71691	164282	++++ 16.4	++++ 21.8	0.492 43.7	4.91	10.9
n-Butane	BCM	Ave	++++ 442775	++++ 580997	15336 1192387	129305	291397	++++ 15.5	++++ 20.7	0.467 41.4	4.66	10.4
Vinyl chloride	BCM	Ave	659 255609	3366 341706	8022 697048	72401	165317	0.0364 15.6	0.187 20.8	0.468 41.6	4.67	10.4
1,3-Butadiene	BCM	Ave	524 202633	2283 273014	6402 555733	58721	134243	0.0355 15.2	0.183 20.2	0.456 40.5	4.55	10.1
Bromomethane	BCM	Ave	++++ 208610	2632 280199	6433 578172	56469	134127	++++ 15.5	0.186 20.6	0.464 41.2	4.63	10.3
Chloroethane	BCM	Ave	++++ 120555	++++ 159226	3579 330133	33829	77913	++++ 15.6	++++ 20.8	0.468 41.6	4.67	10.4
Isopentane	BCM	Ave	++++ 304615	4356 392956	11268 831537	92520	205214	++++ 15.7	0.188 20.9	0.470 41.8	4.69	10.4
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 199038	2464 267603	5760 558648	52577	125896	++++ 15.6	0.188 20.8	0.469 41.7	4.68	10.4
Trichlorofluoromethane	BCM	Ave	++++ 574131	7459 769019	16739 1604969	154655	362489	++++ 15.8	0.190 21.1	0.476 42.2	4.74	10.6
n-Pentane	BCM	Ave	++++ 503224	++++ 666303	16611 1370292	145302	328815	++++ 15.2	++++ 20.3	0.456 40.5	4.55	10.1
Ethanol	BCM	Ave	++++ 204506	++++ 369032	51815 884941	98386	153783	++++ 20.0	++++ 40.0	4.51 100.0	8.99	15.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1 Analy Batch No.: 152505

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2020 18:21 Calibration End Date: 02/19/2020 02:47 Calibration ID: 43158

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	++++ 174333	1967 230955	5188 478761	47769	110635	++++ 15.1	0.182 20.2	0.454 40.3	4.53	10.1
Acrolein	BCM	Ave	++++ 108243	2191 138799	3495 303924	28800	71349	++++ 14.6	0.175 19.4	0.438 38.9	4.37	9.72
Freon TF	BCM	Ave	++++ 452606	5672 609136	13202 1262447	121285	288097	++++ 15.7	0.189 21.0	0.472 42.0	4.71	10.5
1,1-Dichloroethene	BCM	Ave	511 210409	2698 280450	6261 584631	56936	133431	0.0361 15.4	0.185 20.6	0.463 41.1	4.62	10.3
Acetone	BCM	Ave	++++ 470669	++++ 621473	++++ 1303192	138911	304326	++++ 15.4	++++ 20.5	++++ 41.0	4.60	10.2
Carbon disulfide	BCM	Ave	++++ 658038	++++ 890982	19054 1859185	177822	416072	++++ 15.2	++++ 20.3	0.458 40.6	4.57	10.2
Isopropyl alcohol	BCM	Ave	++++ 543155	++++ 701870	++++ 1427450	153766	350721	++++ 15.3	++++ 20.4	++++ 40.9	4.59	10.2
3-Chloropropene	BCM	Ave	++++ 424410	6286 564312	14195 1147067	121293	279877	++++ 16.0	0.192 21.3	0.480 42.6	4.79	10.6
Acetonitrile	BCM	Ave	++++ 229395	++++ 306108	++++ 624208	64708	149584	++++ 14.9	++++ 19.8	++++ 39.6	4.45	9.90
Methylene Chloride	BCM	Ave	++++ 338860	++++ 450552	10686 929330	96095	219084	++++ 15.4	++++ 20.6	0.463 41.1	4.62	10.3
tert-Butyl alcohol	BCM	Ave	++++ 578579	++++ 763792	++++ 1555881	158753	372200	++++ 16.2	++++ 21.6	++++ 43.1	4.84	10.8
Methyl tert-butyl ether	BCM	Ave	++++ 714852	9142 959046	21695 1972795	198364	460702	++++ 15.7	0.189 20.9	0.471 41.8	4.70	10.4
trans-1,2-Dichloroethene	BCM	Ave	++++ 400370	4877 531726	12189 1081396	111218	258217	++++ 15.3	0.184 20.4	0.459 40.8	4.58	10.2
Acrylonitrile	BCM	Ave	++++ 197418	++++ 264607	5398 554321	54224	127355	++++ 15.2	++++ 20.2	0.455 40.4	4.54	10.1
n-Hexane	BCM	Ave	++++ 416585	5909 554246	13165 1132946	117322	270210	++++ 15.9	0.191 21.2	0.477 42.4	4.76	10.6
1,1-Dichloroethane	BCM	Ave	1231 480847	6229 644835	14389 1343863	134325	308201	0.0351 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Vinyl acetate	BCM	Ave	++++ 932580	++++ 1243873	++++ 2585477	265397	602825	++++ 15.6	++++ 20.8	++++ 41.6	4.67	10.4
cis-1,2-Dichloroethene	BCM	Ave	496 245324	3116 333155	7035 695631	66663	158195	0.0354 15.2	0.182 20.2	0.455 40.4	4.54	10.1
Methyl Ethyl Ketone	BCM	Ave	++++ 132660	++++ 178535	4136 376740	35974	85277	++++ 15.5	++++ 20.7	0.466 41.4	4.65	10.3
Ethyl acetate	BCM	Ave	++++ 21234	++++ 28536	++++ 59828	5666	13091	++++ 15.2	++++ 20.3	++++ 40.5	4.55	10.1
Tetrahydrofuran	DFBZ	Ave	++++ 433707	++++ 580712	++++ 1200466	124497	282155	++++ 15.0	++++ 20.0	++++ 40.0	4.49	9.99

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1 Analy Batch No.: 152505

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2020 18:21 Calibration End Date: 02/19/2020 02:47 Calibration ID: 43158

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	++++ 564965	7021 765059	16418 1598712	153709	360381	++++ 15.2	0.182 20.2	0.455 40.4	4.54	10.1
1,1,1-Trichloroethane	DFBZ	Ave	++++ 582620	7185 782314	16675 1644717	156027	370554	++++ 15.3	0.184 20.4	0.459 40.8	4.58	10.2
Cyclohexane	DFBZ	Ave	++++ 343185	4186 463127	10290 974752	92039	220102	++++ 15.2	0.183 20.3	0.457 40.6	4.56	10.1
Carbon tetrachloride	DFBZ	Ave	1152 578338	6861 780926	15851 1643551	151228	369659	0.0356 15.2	0.183 20.3	0.458 40.6	4.57	10.2
Benzene	DFBZ	Ave	++++ 854734	11277 1148543	26328 2427255	230786	540433	++++ 15.5	0.186 20.7	0.465 41.3	4.64	10.3
2,2,4-Trimethylpentane	DFBZ	Ave	++++ 1642856	21015 2210510	49684 4599019	449071	1053228	++++ 15.7	0.189 20.9	0.472 41.9	4.70	10.5
1,2-Dichloroethane	DFBZ	Ave	1004 470066	5767 627545	13687 1318899	126822	298930	0.0363 15.5	0.187 20.7	0.467 41.4	4.66	10.4
n-Heptane	DFBZ	Ave	++++ 786094	11384 1048220	25643 2195932	220228	508122	++++ 15.8	0.190 21.0	0.473 42.0	4.72	10.5
n-Butanol	DFBZ	Ave	++++ 259324	++++ 341811	++++ 733775	66336	158885	++++ 14.3	++++ 19.1	++++ 38.2	4.29	9.55
Trichloroethene	DFBZ	Ave	843 371687	4821 498688	10593 1064717	100846	235118	0.0369 15.8	0.190 21.1	0.474 42.1	4.73	10.5
1,2-Dichloropropane	DFBZ	Ave	++++ 378135	4609 506247	11197 1084724	100677	237353	++++ 15.5	0.186 20.6	0.464 41.2	4.63	10.3
Methyl methacrylate	DFBZ	Ave	++++ 354895	++++ 484875	9884 1052777	91244	223629	++++ 15.2	++++ 20.3	0.458 40.6	4.57	10.2
Dibromomethane	DFBZ	Ave	++++ 312967	3781 422444	9140 896570	84656	200640	++++ 15.5	0.186 20.6	0.464 41.2	4.63	10.3
1,4-Dioxane	DFBZ	Ave	++++ 181341	++++ 234762	++++ 481482	50156	114507	++++ 15.9	++++ 21.2	++++ 42.3	4.75	10.6
Bromodichloromethane	DFBZ	Ave	++++ 692502	8111 941008	19207 2050762	178425	435680	++++ 15.9	0.191 21.1	0.476 42.3	4.75	10.6
cis-1,3-Dichloropropene	DFBZ	Ave	++++ 617937	6859 835054	17054 1808475	161588	388227	++++ 15.6	0.187 20.8	0.468 41.6	4.67	10.4
methyl isobutyl ketone	DFBZ	Ave	++++ 1115585	++++ 1510545	32786 3278053	298900	708934	++++ 15.4	++++ 20.5	0.461 41.0	4.60	10.2
Toluene	CBNZ d5	Ave	++++ 618002	7481 833060	18613 1783249	164710	391894	++++ 15.2	0.183 20.3	0.458 40.6	4.57	10.2
n-Octane	DFBZ	Ave	++++ 1169846	15470 1570031	36057 3331543	318677	749358	++++ 15.5	0.186 20.7	0.465 41.3	4.64	10.3
trans-1,3-Dichloropropene	DFBZ	Ave	++++ 562578	5830 763652	15654 1656949	145744	358005	++++ 14.8	0.178 19.8	0.445 39.5	4.44	9.88
1,1,2-Trichloroethane	CBNZ d5	Ave	++++ 325300	3846 441187	9622 954396	87259	205848	++++ 15.7	0.189 21.0	0.472 41.9	4.71	10.5

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1 Analy Batch No.: 152505

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2020 18:21 Calibration End Date: 02/19/2020 02:47 Calibration ID: 43158

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	CBNZ d5	Ave	1046 466665	5617 629492	13164 1347798	126218	293029	0.0368 15.8	0.189 21.0	0.473 42.0	4.72	10.5
Methyl Butyl Ketone (2-Hexanone)	CBNZ d5	Ave	++++ 1082899	++++ 1482854	38551 3259343	287953	687754	++++ 15.0	++++ 20.0	0.450 40.0	4.49	9.99
Dibromochloromethane	CBNZ d5	Ave	++++ 587914	6839 830687	15613 1813490	150131	376759	++++ 14.5	0.175 19.4	0.436 38.7	4.35	9.68
1,2-Dibromoethane	CBNZ d5	Ave	++++ 547764	6125 737493	14934 1607725	143189	342832	++++ 15.9	0.191 21.2	0.478 42.4	4.77	10.6
Chlorobenzene	CBNZ d5	Ave	++++ 780279	9658 1052024	22598 2259677	210092	494381	++++ 15.7	0.189 21.0	0.472 42.0	4.71	10.5
Ethylbenzene	CBNZ d5	Ave	++++ 1438182	17257 1943096	41718 4225637	380547	906850	++++ 15.3	0.184 20.4	0.460 40.9	4.59	10.2
n-Nonane	CBNZ d5	Ave	++++ 899806	10519 1218273	26133 2636427	238300	568319	++++ 15.7	0.189 21.0	0.472 41.9	4.71	10.5
m,p-Xylene	CBNZ d5	Ave	++++ 1026565	11991 1392467	29583 3063760	273181	646804	++++ 30.8	0.371 41.1	0.926 82.2	9.24	20.6
Xylene, o-	CBNZ d5	Ave	++++ 498787	5725 672305	14264 1469343	132066	313150	++++ 15.5	0.187 20.7	0.467 41.4	4.66	10.4
Styrene	CBNZ d5	Ave	++++ 826410	7314 1130528	22336 2526362	214862	522895	++++ 15.5	0.186 20.6	0.465 41.3	4.64	10.3
Bromoform	CBNZ d5	Ave	++++ 499874	5814 821829	13232 1847099	124436	345707	++++ 15.4	0.186 20.6	0.463 41.2	4.62	10.3
Cumene	CBNZ d5	Ave	++++ 1532693	18146 2065669	44130 4554921	403782	964514	++++ 15.6	0.188 20.9	0.470 41.7	4.69	10.4
1,1,2,2-Tetrachloroethane	CBNZ d5	Ave	++++ 864561	9188 1165852	24944 2605972	219945	528577	++++ 15.5	0.187 20.7	0.466 41.4	4.65	10.3
1,2,3-Trichloropropane	CBNZ d5	Ave	++++ 750194	++++ 1016122	22057 2290246	195819	463608	++++ 15.9	++++ 21.2	0.477 42.4	4.76	10.6
n-Propylbenzene	CBNZ d5	Ave	++++ 2000220	23978 2702870	56817 6024419	520672	1238548	++++ 15.6	0.188 20.8	0.468 41.6	4.67	10.4
2-Chlorotoluene	CBNZ d5	Ave	++++ 1415539	17046 1933382	40182 4362624	369809	879836	++++ 15.7	0.188 20.9	0.470 41.8	4.69	10.4
4-Ethyltoluene	CBNZ d5	Ave	++++ 1583990	17089 2164977	44770 4868614	414663	981273	++++ 15.5	0.186 20.7	0.465 41.3	4.64	10.3
n-Decane	CBNZ d5	Ave	++++ 1193886	++++ 1611971	32283 3642098	313751	747170	++++ 15.6	++++ 20.8	0.469 41.7	4.68	10.4
1,3,5-Trimethylbenzene	CBNZ d5	Ave	++++ 1302746	13344 1779180	36424 4080892	340744	809735	++++ 15.6	0.187 20.8	0.468 41.6	4.67	10.4
Alpha Methyl Styrene	CBNZ d5	Ave	++++ 638759	5155 884566	17251 2019894	165808	401442	++++ 15.3	0.184 20.4	0.459 40.8	4.58	10.2
tert-Butylbenzene	CBNZ d5	Ave	++++ 1188213	14506 1610603	33461 3664410	314015	748005	++++ 15.5	0.187 20.7	0.467 41.4	4.66	10.4

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1 Analy Batch No.: 152505

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2020 18:21 Calibration End Date: 02/19/2020 02:47 Calibration ID: 43158

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	CBNZ d5	Ave	++++ 1315184	13796 1785154	36631 4135209	344007	825948	++++ 15.6	0.188 20.8	0.468 41.6	4.67	10.4
sec-Butylbenzene	CBNZ d5	Ave	++++ 1922983	22228 2597477	53116 5930230	502926	1200829	++++ 15.7	0.189 20.9	0.471 41.8	4.70	10.5
4-Isopropyltoluene	CBNZ d5	Ave	++++ 1570936	18231 2141554	42848 4910616	406648	980289	++++ 15.5	0.186 20.6	0.464 41.2	4.63	10.3
1,3-Dichlorobenzene	CBNZ d5	Ave	++++ 831107	9150 1141130	25335 2646673	216518	525796	++++ 15.9	0.191 21.2	0.477 42.3	4.75	10.6
1,4-Dichlorobenzene	CBNZ d5	Ave	++++ 819799	8611 1131060	25918 2606187	218192	521672	++++ 15.7	0.189 20.9	0.472 41.9	4.70	10.5
Benzyl chloride	CBNZ d5	Ave	++++ 1399475	12990 1924233	35404 4564509	334715	887446	++++ 15.9	0.191 21.2	0.477 42.3	4.75	10.6
n-Butylbenzene	CBNZ d5	Ave	++++ 1668913	18540 2276943	50461 5232071	435427	1052099	++++ 15.6	0.187 20.8	0.468 41.6	4.67	10.4
n-Undecane	CBNZ d5	Ave	++++ 1347331	++++ 1819300	++++ 3967642	351811	851981	++++ 15.7	++++ 20.9	++++ 41.8	4.70	10.5
1,2-Dichlorobenzene	CBNZ d5	Ave	++++ 777445	8904 1057989	24100 2478643	207212	493929	++++ 15.7	0.188 20.9	0.470 41.8	4.69	10.4
n-Dodecane	CBNZ d5	Ave	++++ 1307132	++++ 1699418	++++ 2267399	352189	855330	++++ 14.0	++++ 18.7	++++ 37.4	4.21	9.36
1,2,4-Trichlorobenzene	CBNZ d5	Ave	++++ 702563	++++ 964097	25551 1755598	181684	460876	++++ 16.3	++++ 21.7	0.489 43.4	4.88	10.9
Hexachlorobutadiene	CBNZ d5	Ave	++++ 653469	8368 865742	18498 1493491	177757	423566	++++ 15.4	0.185 20.5	0.462 41.0	4.61	10.3
Naphthalene	CBNZ d5	Ave	++++ 1382650	++++ 1952138	63463 3542609	358122	935675	++++ 14.6	++++ 19.4	0.438 38.9	4.37	9.72
1,2,3-Trichlorobenzene	CBNZ d5	Ave	++++ 578559	++++ 774065	20966 1209320	151383	380003	++++ 13.7	++++ 18.2	0.411 36.5	4.10	9.12

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-04.D

Lims ID: ic

Client ID:

Sample Type: IC

Calib Level: 1

Inject. Date: 18-Feb-2020 18:21:30

ALS Bottle#: 4

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Sample Info: 200-0040074-004

Misc. Info.: ic-01

Operator ID: ggg

Instrument ID: CHC.i

Sublist: chrom-TO15_MasterMethod_(v1)_CHC.i*sub10

Method: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\TO15_MasterMethod_(v1)_CHC.i.m

Limit Group: AI_TO15_ICAL

Last Update: 19-Feb-2020 09:37:52

Calib Date: 19-Feb-2020 02:47:30

Integrator: RTE

ID Type: Deconvolution ID

Quant Method: Internal Standard

Quant By: Initial Calibration

Last ICal File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-13.D

Column 1 : RTX-624 (0.32 mm)

Det: MS SCAN

Process Host: CTX0313

First Level Reviewer: bourdeaut

Date: 19-Feb-2020 08:37:06

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	2.946	2.930	0.016	79	2206	0.0362	0.1361	
2 Dichlorodifluoromethane	85	3.005	2.994	0.011	95	1802	0.0366	0.0458	
3 Chlorodifluoromethane	51	3.053	3.042	0.011	95	1586	0.0368	0.0539	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.250	3.240	0.010	98	1559	0.0365	0.0388	
5 Chloromethane	50	3.373	3.362	0.011	92	939	0.0383	0.0605	
6 Butane	43	3.565	3.554	0.011	90	1754	0.0363	0.0608	
7 Vinyl chloride	62	3.597	3.586	0.011	95	659	0.0364	0.0394	
8 Butadiene	54	3.672	3.661	0.011	87	524	0.0355	0.0389	
10 Bromomethane	94	4.307	4.291	0.016	95	484	0.0362	0.0361	
11 Chloroethane	64	4.531	4.520	0.011	1	183	0.0364	0.0242	
12 2-Methylbutane	43	4.617	4.617	0.001	89	1500	0.0366	0.0726	
13 Vinyl bromide	106	4.910	4.899	0.011	15	349	0.0366	0.0280	
14 Trichlorofluoromethane	101	5.022	5.011	0.011	95	1290	0.0370	0.0360	
16 Pentane	43	5.161	5.161	0.000	91	1888	0.0355	0.0568	
17 Ethanol	45	5.636	5.582	0.054	90	1188	0.0702	0.1172	
18 Ethyl ether	59		5.668				ND	ND	
19 Acrolein	56	6.036	5.993	0.043	27	790	0.0341	0.0975	
20 1,1,2-Trichloro-1,2,2-trif	101	6.079	6.073	0.006	81	977	0.0368	0.0345	
21 1,1-Dichloroethene	96	6.095	6.095	0.000	86	511	0.0361	0.0376	
22 Acetone	43	6.346	6.308	0.038	98	6266	0.0359	0.2086	
23 Carbon disulfide	76	6.468	6.463	0.005	94	1745	0.0356	0.0415	
24 Isopropyl alcohol	45	6.719	6.650	0.069	57	705	0.0358	0.0208	
25 3-Chloro-1-propene	41	6.762	6.858	-0.096	30	262	0.0374	0.009474	
26 Acetonitrile	41	6.863	6.938	-0.075	62	972	0.0347	0.0648	
27 Methylene Chloride	49	7.152	7.146	0.006	90	980	0.0361	0.0449	
28 2-Methyl-2-propanol	59	7.509	7.418	0.091	23	1233	0.0378	0.0359	
29 Methyl tert-butyl ether	73	7.632	7.589	0.043	59	1150	0.0367	0.0253	
31 trans-1,2-Dichloroethene	61	7.611	7.600	0.011	87	978	0.0358	0.0379	
32 Acrylonitrile	53	7.739	7.701	0.038	79	97	0.0355	0.007701	
33 Hexane	57	8.037	8.021	0.016	84	1287	0.0371	0.0481	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.454	8.448	0.006	93	1231	0.0351	0.0380	
35 Vinyl acetate	43	8.566	8.544	0.022	98	2278	0.0364	0.0390	
37 cis-1,2-Dichloroethene	96	9.553	9.548	0.005	61	496	0.0354	0.0314	M
38 2-Butanone (MEK)	72		9.596				ND	ND	
39 Ethyl acetate	88		9.676				ND	ND	
* 40 Chlorobromomethane	128	9.996	9.996	0.000	94	221878	20.0	20.0	
41 Tetrahydrofuran	42	10.119	10.039	0.080	24	1239	0.0350	0.0430	
42 Chloroform	83	10.146	10.146	0.000	87	879	0.0354	0.0239	
S 30 1,2-Dichloroethene, Total	61				0		0.0712	0.0693	
43 Cyclohexane	84	10.412	10.412	0.000	71	551	0.0356	0.0244	
44 1,1,1-Trichloroethane	97	10.423	10.418	0.005	87	1361	0.0357	0.0359	
45 Carbon tetrachloride	117	10.690	10.679	0.011	85	1152	0.0356	0.0314	
47 Benzene	78	11.122	11.117	0.005	95	2919	0.0362	0.0520	
46 Isooctane	57		11.149				ND	ND	
48 1,2-Dichloroethane	62	11.282	11.282	0.000	0	1004	0.0363	0.0337	M
49 n-Heptane	43	11.549	11.554	-0.005	60	1784	0.0369	0.0342	
* 50 1,4-Difluorobenzene	114	11.971	11.971	0.000	98	1172563	20.0	20.0	
52 n-Butanol	56	12.515	12.424	0.091	55	956	0.0335	0.0549	
53 Trichloroethene	95	12.440	12.440	0.000	87	843	0.0369	0.0358	M
54 1,2-Dichloropropane	63		12.963				ND	ND	
55 Methyl methacrylate	69		13.182				ND	ND	
57 Dibromomethane	174	13.225	13.220	0.005	93	819	0.0361	0.0404	
56 1,4-Dioxane	88	13.305	13.225	0.080	1	464	0.0371	0.0420	
58 Dichlorobromomethane	83	13.551	13.540	0.010	89	864	0.0371	0.0201	
60 cis-1,3-Dichloropropene	75	14.495	14.495	0.000	82	981	0.0364	0.0254	
61 4-Methyl-2-pentanone (MIBK)	43	14.837	14.799	0.038	91	3130	0.0359	0.0432	
65 Toluene	92	15.109	15.098	0.011	91	1694	0.0356	0.0418	
64 n-Octane	43	15.248	15.237	0.011	95	3546	0.0362	0.0460	
66 trans-1,3-Dichloropropene	75	15.707	15.701	0.006	84	1221	0.0347	0.0332	
67 1,1,2-Trichloroethane	83		16.064				ND	ND	
68 Tetrachloroethene	166	16.214	16.214	0.000	93	1046	0.0368	0.0358	M
69 2-Hexanone	43	16.577	16.539	0.038	88	2671	0.0350	0.0357	
71 Chlorodibromomethane	129	16.838	16.833	0.005	88	1345	0.0340	0.0336	
72 Ethylene Dibromide	107	17.084	17.089	-0.005	86	1204	0.0372	0.0360	
* 74 Chlorobenzene-d5	117	18.007	18.007	0.000	94	1150572	20.0	20.0	
75 Chlorobenzene	112	18.071	18.071	0.000	83	1927	0.0368	0.0389	
76 Ethylbenzene	91	18.242	18.236	0.006	95	3936	0.0358	0.0422	
77 n-Nonane	57	18.439	18.428	0.011	82	2407	0.0368	0.0424	
78 m-Xylene & p-Xylene	106	18.492	18.492	0.000	0	2516	0.0721	0.0761	
79 o-Xylene	106	19.320	19.325	-0.005	92	1112	0.0363	0.0352	
80 Styrene	104	19.378	19.373	0.005	85	1337	0.0362	0.0263	
81 Bromoform	173	19.811	19.800	0.011	79	453	0.0361	0.0133	
82 Isopropylbenzene	105	20.067	20.062	0.005	96	3915	0.0366	0.0403	
S 73 Xylenes, Total	106				0		0.1085	0.1113	
84 1,1,2,2-Tetrachloroethane	83	20.739	20.739	0.000	89	1808	0.0363	0.0334	
85 N-Propylbenzene	91	20.830	20.830	0.000	94	5648	0.0365	0.0445	
86 1,2,3-Trichloropropane	75	20.825	20.830	-0.005	69	1805	0.0371	0.0385	
89 2-Chlorotoluene	91	21.028	21.027	0.001	91	3948	0.0366	0.0438	
88 4-Ethyltoluene	105	21.033	21.033	0.000	83	3790	0.0362	0.0378	
87 n-Decane	57	21.070	21.070	0.000	81	3101	0.0366	0.0413	
90 1,3,5-Trimethylbenzene	105	21.150	21.150	0.000	86	2903	0.0364	0.0356	
91 Alpha Methyl Styrene	118	21.529	21.529	0.000	79	1151	0.0358	0.0291	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
92 tert-Butylbenzene	119	21.657	21.657	0.000	89	3445	0.0363	0.0451	
93 1,2,4-Trimethylbenzene	105	21.753	21.753	0.000	95	3202	0.0365	0.0388	
94 sec-Butylbenzene	105	21.993	21.993	0.000	96	4998	0.0367	0.0413	
95 4-Isopropyltoluene	119	22.207	22.207	0.000	95	4387	0.0362	0.0437	
96 1,3-Dichlorobenzene	146	22.228	22.223	0.005	88	1823	0.0371	0.0347	
97 1,4-Dichlorobenzene	146	22.367	22.362	0.005	81	1886	0.0367	0.0359	
98 Benzyl chloride	91	22.554	22.554	0.000	95	2745	0.0371	0.0328	
100 n-Butylbenzene	91	22.783	22.783	0.000	97	4307	0.0364	0.0403	
99 Undecane	57	22.847	22.842	0.005	90	3405	0.0367	0.0404	
101 1,2-Dichlorobenzene	146	22.885	22.885	0.000	92	1988	0.0366	0.0395	
102 Dodecane	57	24.363	24.363	0.000	89	3985	0.0328	0.0474	
103 1,2,4-Trichlorobenzene	180	25.260	25.260	0.000	91	1900	0.0381	0.0435	
104 Hexachlorobutadiene	225	25.452	25.457	-0.005	90	2028	0.0360	0.0491	
105 Naphthalene	128	25.697	25.687	0.010	96	3271	0.0341	0.0319	
106 1,2,3-Trichlorobenzene	180	26.140	26.135	0.005	89	1794	0.0320	0.0430	
123 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00215

Amount Added: 35.00

Units: mL

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 19-Feb-2020 09:37:53

Chrom Revision: 2.3 13-Feb-2020 09:36:32

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-04.D

Injection Date: 18-Feb-2020 18:21:30

Instrument ID: CHC.i

Operator ID: ggg

Lims ID: ic

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

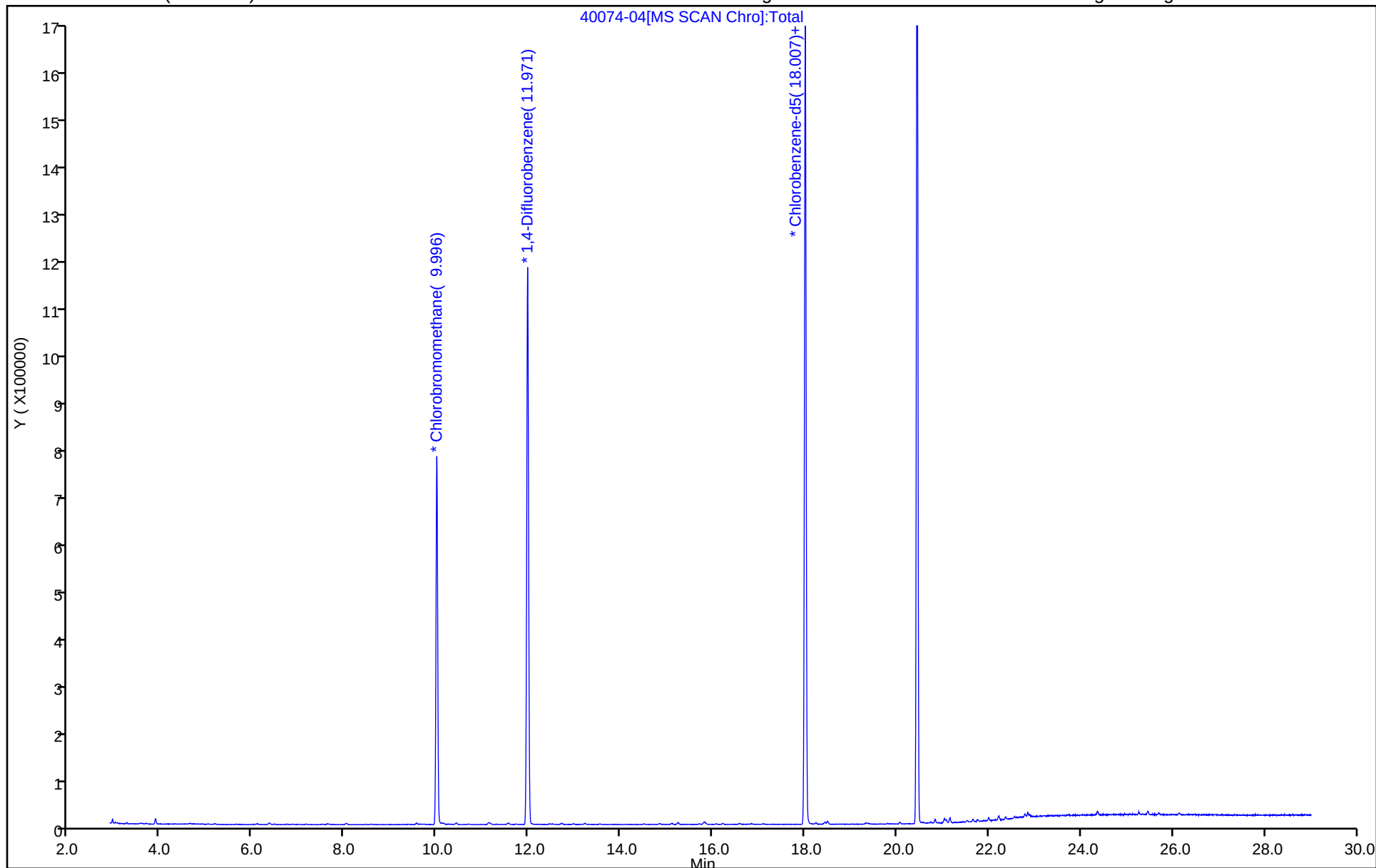
ALS Bottle#: 4

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-04.D

Injection Date: 18-Feb-2020 18:21:30

Instrument ID: CHC.i

Lims ID: ic

Client ID:

Operator ID: ggg

ALS Bottle#:

4

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

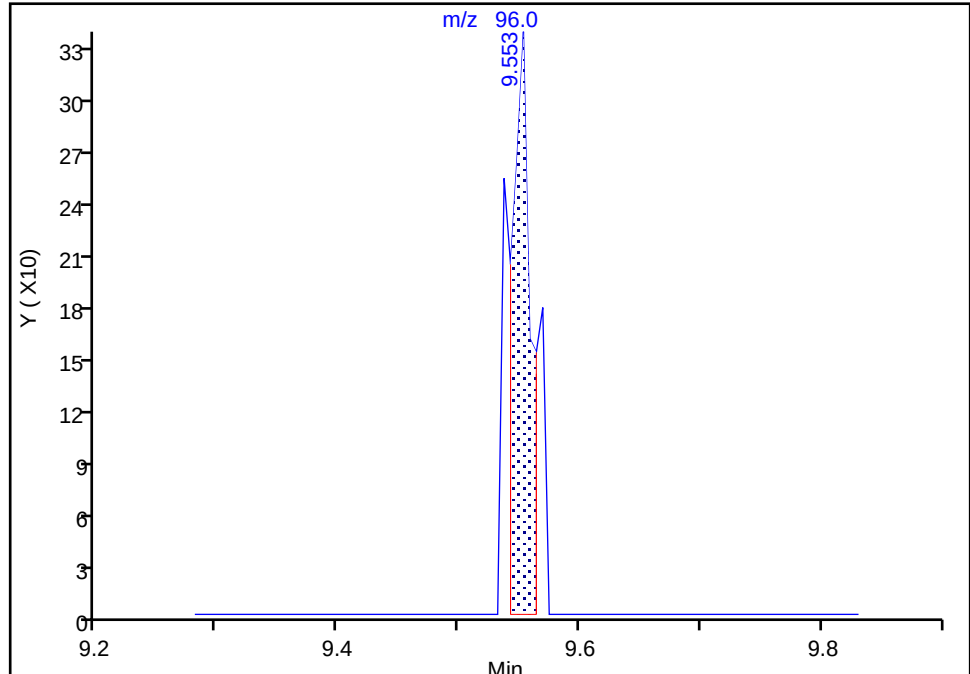
Detector: MS SCAN

37 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

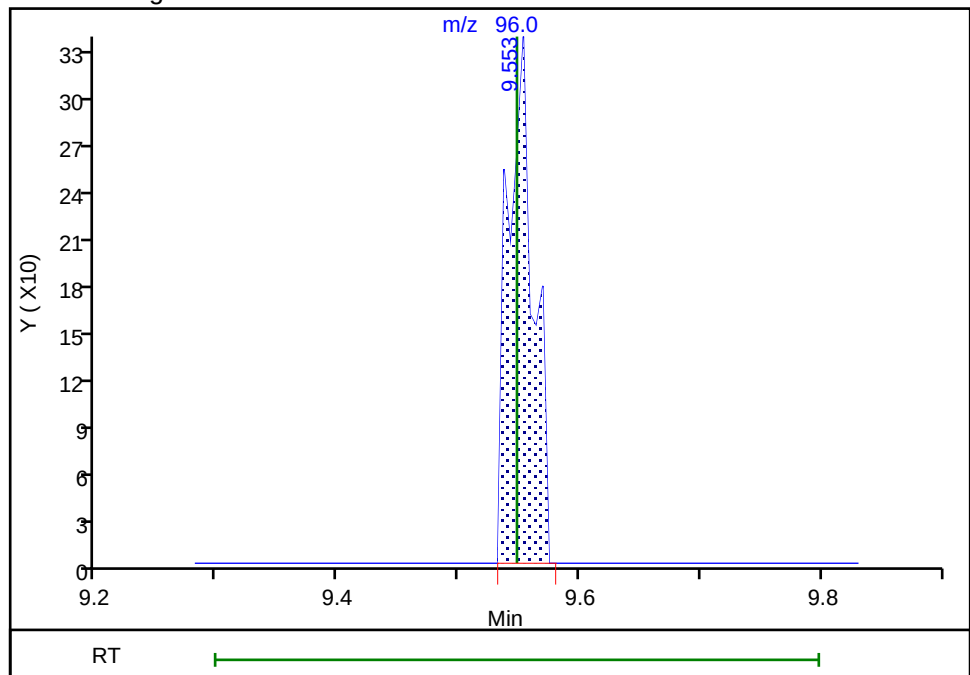
RT: 9.55
Area: 358
Amount: 0.023390
Amount Units: ppb v/v

Processing Integration Results



RT: 9.55
Area: 496
Amount: 0.031407
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bourdeaut, 19-Feb-2020 08:35:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-04.D

Injection Date: 18-Feb-2020 18:21:30

Instrument ID: CHC.i

Lims ID: ic

Client ID:

Operator ID: ggg

ALS Bottle#:

4

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

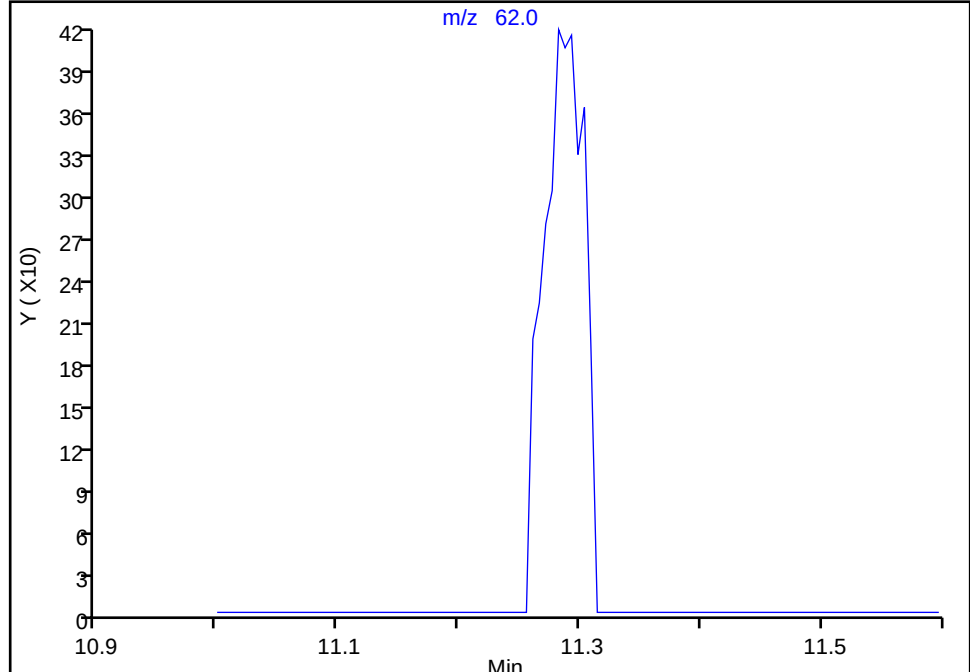
48 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

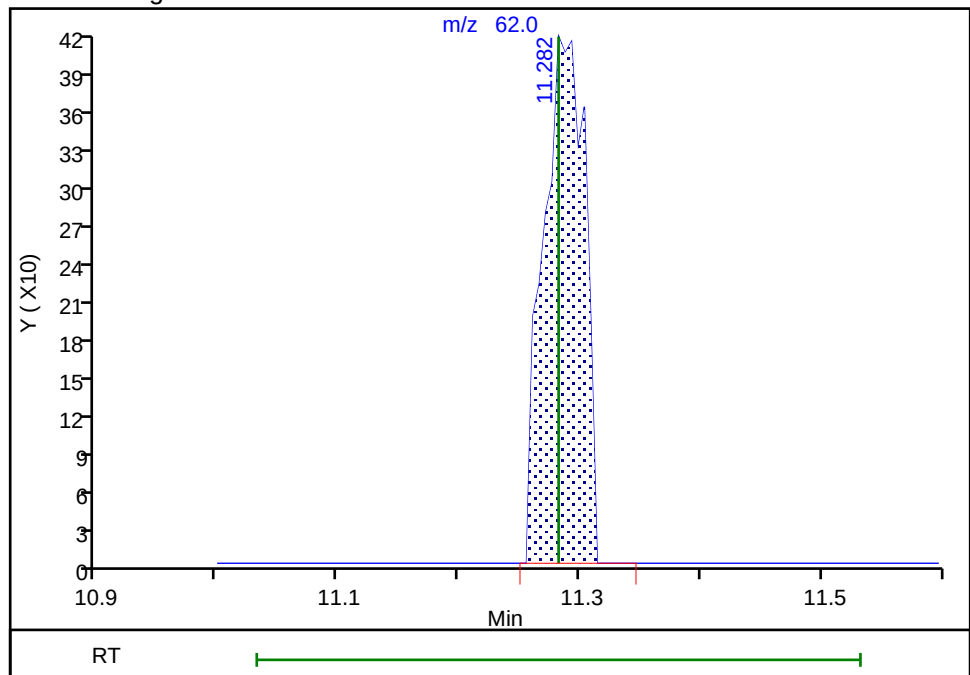
Not Detected

Expected RT: 11.28

Processing Integration Results



Manual Integration Results



RT: 11.28

Area: 1004

Amount: 0.033684

Amount Units: ppb v/v

Reviewer: phamvu, 19-Feb-2020 09:27:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

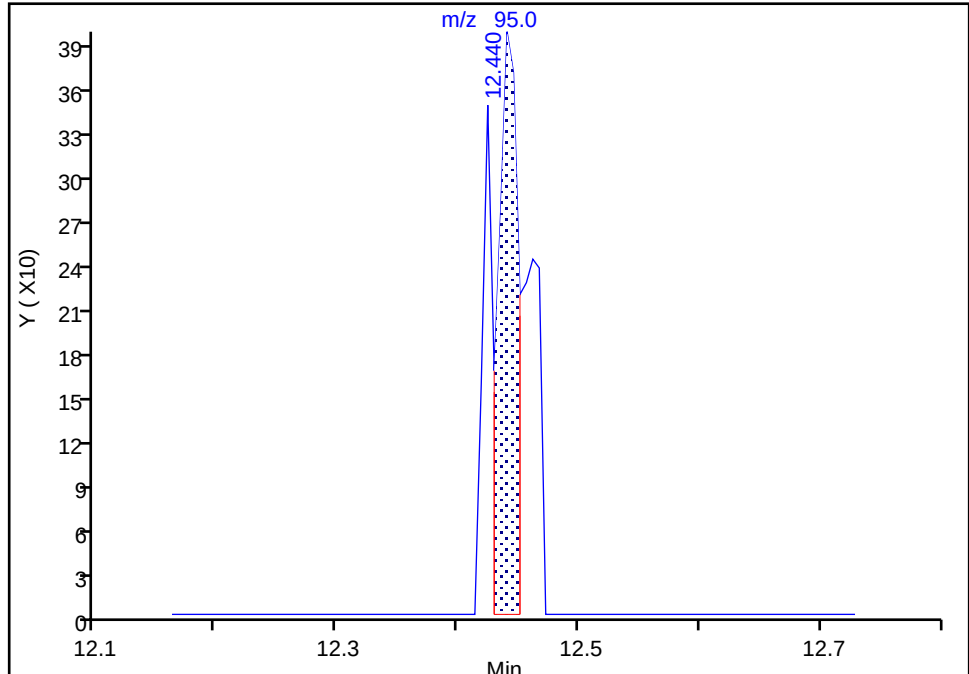
Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-04.D
Injection Date: 18-Feb-2020 18:21:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: ggg ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

53 Trichloroethene, CAS: 79-01-6

Signal: 1

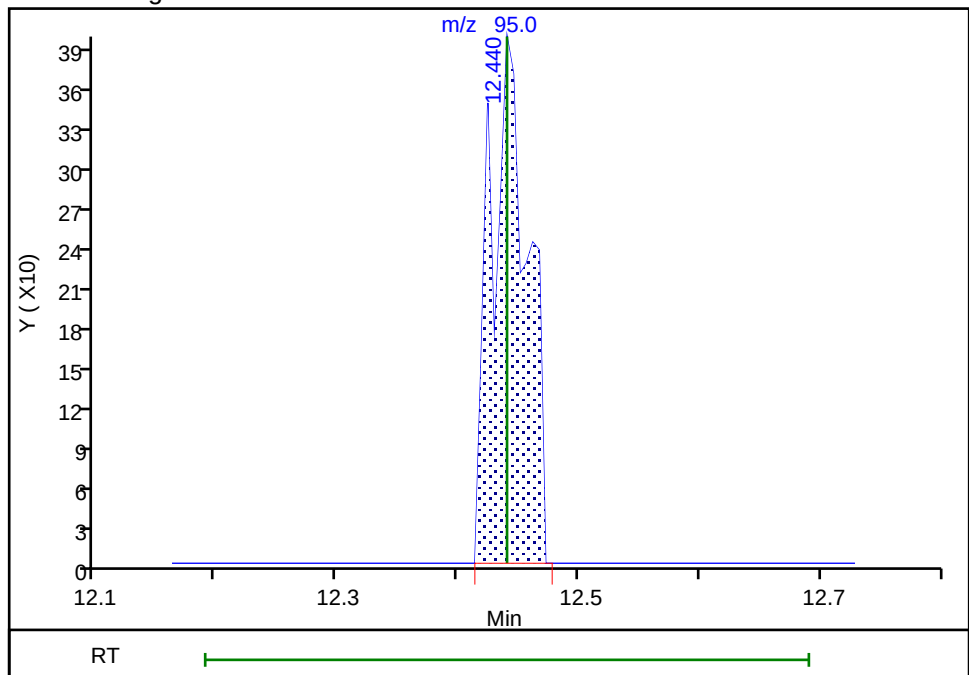
RT: 12.44
Area: 456
Amount: 0.020509
Amount Units: ppb v/v

Processing Integration Results



RT: 12.44
Area: 843
Amount: 0.035805
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bourdeaut, 19-Feb-2020 08:36:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-04.D

Injection Date: 18-Feb-2020 18:21:30

Instrument ID: CHC.i

Lims ID: ic

Client ID:

Operator ID: ggg

ALS Bottle#:

4

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

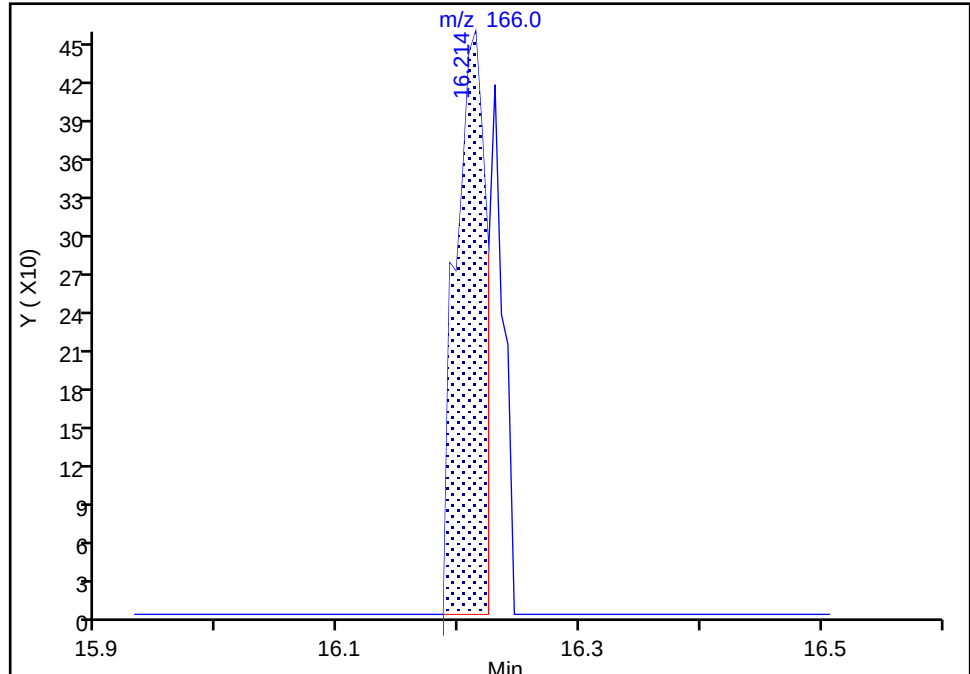
Detector: MS SCAN

68 Tetrachloroethene, CAS: 127-18-4

Signal: 1

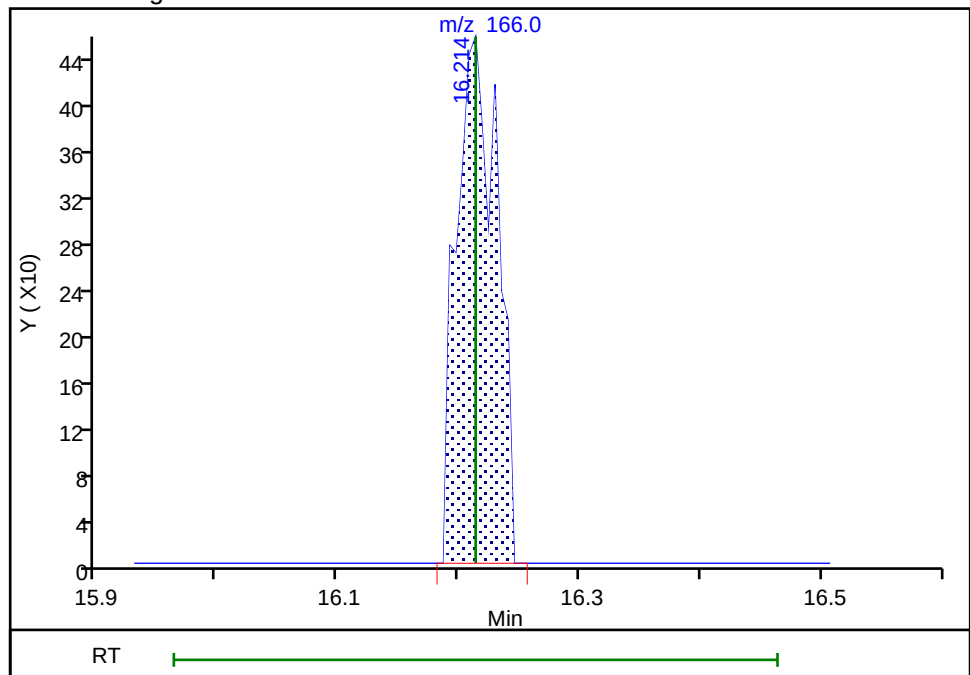
RT: 16.21
Area: 774
Amount: 0.027343
Amount Units: ppb v/v

Processing Integration Results



RT: 16.21
Area: 1046
Amount: 0.035785
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bourdeaut, 19-Feb-2020 08:36:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-05.D

Lims ID: ic

Client ID:

Sample Type: IC

Calib Level: 2

Inject. Date: 18-Feb-2020 19:18:30

ALS Bottle#: 5 Worklist Smp#: 5

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Sample Info: 200-0040074-005

Misc. Info.: ic-02

Operator ID: ggg

Instrument ID: CHC.i

Sublist: chrom-TO15_MasterMethod_(v1)_CHC.i*sub10

Method: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\TO15_MasterMethod_(v1)_CHC.i.m

Limit Group: AI_TO15_ICAL

Last Update: 19-Feb-2020 09:38:03

Calib Date: 19-Feb-2020 02:47:30

Integrator: RTE

ID Type: Deconvolution ID

Quant Method: Internal Standard

Quant By: Initial Calibration

Last ICal File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-13.D

Column 1 : RTX-624 (0.32 mm)

Det: MS SCAN

Process Host: CTX0313

First Level Reviewer: bourdeaut

Date: 19-Feb-2020 08:38:02

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	2.930	2.930	0.000	90	4716	0.1862	0.2959	
2 Dichlorodifluoromethane	85	2.994	2.994	0.000	99	7757	0.1883	0.2008	
3 Chlorodifluoromethane	51	3.037	3.042	-0.005	97	6261	0.1891	0.2165	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.240	3.240	0.000	95	8146	0.1878	0.2060	
5 Chloromethane	50	3.362	3.362	0.000	99	3648	0.1970	0.2391	
6 Butane	43	3.554	3.554	0.000	97	6826	0.1869	0.2405	
7 Vinyl chloride	62	3.586	3.586	0.000	97	3366	0.1874	0.2046	
8 Butadiene	54	3.661	3.661	0.000	90	2283	0.1826	0.1724	
10 Bromomethane	94	4.291	4.291	0.000	94	2632	0.1860	0.1994	
11 Chloroethane	64	4.526	4.520	0.006	94	1528	0.1874	0.2053	
12 2-Methylbutane	43	4.622	4.617	0.006	96	4356	0.1883	0.2146	
13 Vinyl bromide	106	4.899	4.899	0.000	96	2464	0.1880	0.2010	
14 Trichlorofluoromethane	101	5.017	5.011	0.006	97	7459	0.1905	0.2117	
16 Pentane	43	5.161	5.161	0.000	97	7934	0.1827	0.2428	
17 Ethanol	45	5.609	5.582	0.027	98	4681	0.3608	0.4698	
18 Ethyl ether	59	5.689	5.668	0.021	85	1967	0.1818	0.1788	
19 Acrolein	56	6.009	5.993	0.016	46	2191	0.1753	0.2751	
20 1,1,2-Trichloro-1,2,2-trif	101	6.079	6.073	0.006	79	5672	0.1892	0.2038	
21 1,1-Dichloroethene	96	6.090	6.095	-0.005	91	2698	0.1854	0.2020	
22 Acetone	43	6.340	6.308	0.032	99	15360	0.1847	0.5200	
23 Carbon disulfide	76	6.468	6.463	0.005	99	8123	0.1833	0.1965	
24 Isopropyl alcohol	45	6.693	6.650	0.043	99	6872	0.1844	0.2060	
25 3-Chloro-1-propene	41	6.858	6.858	0.000	95	6286	0.1921	0.2312	
26 Acetonitrile	41	6.959	6.938	0.021	98	2813	0.1786	0.1906	
27 Methylene Chloride	49	7.146	7.146	0.000	94	4825	0.1854	0.2251	
28 2-Methyl-2-propanol	59	7.461	7.418	0.043	94	6845	0.1945	0.2028	
29 Methyl tert-butyl ether	73	7.621	7.589	0.032	95	9142	0.1885	0.2044	
31 trans-1,2-Dichloroethene	61	7.600	7.600	0.000	92	4877	0.1840	0.1921	
32 Acrylonitrile	53	7.707	7.701	0.006	88	2185	0.1824	0.1765	
33 Hexane	57	8.021	8.021	0.000	91	5909	0.1910	0.2246	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.448	8.448	0.000	98	6229	0.1804	0.1954	
35 Vinyl acetate	43	8.555	8.544	0.011	100	11162	0.1874	0.1946	
37 cis-1,2-Dichloroethene	96	9.548	9.548	0.000	95	3116	0.1822	0.2007	
38 2-Butanone (MEK)	72	9.617	9.596	0.021	98	1890	0.1865	0.2271	
39 Ethyl acetate	88		9.676				ND	ND	
* 40 Chlorobromomethane	128	9.996	9.996	0.000	94	218125	20.0	20.0	
41 Tetrahydrofuran	42	10.071	10.039	0.032	92	5823	0.1802	0.2087	
42 Chloroform	83	10.151	10.146	0.005	94	7021	0.1822	0.1939	
S 30 1,2-Dichloroethene, Total	61				0		0.3662	0.3928	
43 Cyclohexane	84	10.418	10.412	0.006	88	4186	0.1831	0.1910	M
44 1,1,1-Trichloroethane	97	10.407	10.418	-0.011	94	7185	0.1838	0.1955	M
45 Carbon tetrachloride	117	10.679	10.679	0.000	95	6861	0.1833	0.1931	
47 Benzene	78	11.122	11.117	0.005	96	11277	0.1863	0.2073	
46 Isooctane	57	11.144	11.149	-0.005	95	21015	0.1889	0.2049	
48 1,2-Dichloroethane	62	11.282	11.282	0.000	96	5767	0.1869	0.1996	
49 n-Heptane	43	11.554	11.554	0.000	97	11384	0.1896	0.2249	
* 50 1,4-Difluorobenzene	114	11.971	11.971	0.000	98	1136655	20.0	20.0	
52 n-Butanol	56	12.472	12.424	0.048	95	3222	0.1723	0.1909	
53 Trichloroethene	95	12.440	12.440	0.000	93	4821	0.1900	0.2112	
54 1,2-Dichloropropane	63	12.963	12.963	0.000	83	4609	0.1860	0.1950	
55 Methyl methacrylate	69	13.198	13.182	0.016	85	3575	0.1833	0.1611	
57 Dibromomethane	174	13.220	13.220	0.000	92	3781	0.1858	0.1926	
56 1,4-Dioxane	88	13.257	13.225	0.032	80	2037	0.1909	0.1902	
58 Dichlorobromomethane	83	13.540	13.540	0.000	95	8111	0.1907	0.1946	
60 cis-1,3-Dichloropropene	75	14.500	14.495	0.005	92	6859	0.1874	0.1829	
61 4-Methyl-2-pentanone (MIBK)	43	14.815	14.799	0.016	98	12912	0.1847	0.1840	
65 Toluene	92	15.098	15.098	0.000	89	7481	0.1833	0.1894	
64 n-Octane	43	15.237	15.237	0.000	99	15470	0.1863	0.2070	
66 trans-1,3-Dichloropropene	75	15.701	15.701	0.000	90	5830	0.1782	0.1634	
67 1,1,2-Trichloroethane	83	16.070	16.064	0.006	95	3846	0.1891	0.1912	
68 Tetrachloroethene	166	16.208	16.214	-0.006	92	5617	0.1894	0.1973	
69 2-Hexanone	43	16.561	16.539	0.021	89	12852	0.1802	0.1762	
71 Chlorodibromomethane	129	16.833	16.833	0.000	94	6839	0.1746	0.1753	
72 Ethylene Dibromide	107	17.084	17.089	-0.005	98	6125	0.1914	0.1879	
* 74 Chlorobenzene-d5	117	18.007	18.007	0.000	94	1120765	20.0	20.0	
75 Chlorobenzene	112	18.071	18.071	0.000	92	9658	0.1892	0.2001	
76 Ethylbenzene	91	18.236	18.236	0.000	98	17257	0.1844	0.1899	
77 n-Nonane	57	18.434	18.428	0.006	94	10519	0.1891	0.1904	
78 m-Xylene & p-Xylene	106	18.492	18.492	0.000	0	11991	0.3709	0.3724	
79 o-Xylene	106	19.325	19.325	0.000	96	5725	0.1869	0.1858	
80 Styrene	104	19.373	19.373	0.000	97	7314	0.1862	0.1477	
81 Bromoform	173	19.800	19.800	0.000	92	5814	0.1856	0.1753	
82 Isopropylbenzene	105	20.062	20.062	0.000	98	18146	0.1882	0.1917	
S 73 Xylenes, Total	106				0		0.5578	0.5582	
84 1,1,2,2-Tetrachloroethane	83	20.745	20.739	0.006	97	9188	0.1865	0.1743	
85 N-Propylbenzene	91	20.830	20.830	0.000	96	23978	0.1876	0.1939	
86 1,2,3-Trichloropropane	75	20.830	20.830	0.000	69	9849	0.1910	0.2155	
89 2-Chlorotoluene	91	21.028	21.027	0.001	91	17046	0.1883	0.1942	
88 4-Ethyltoluene	105	21.033	21.033	0.000	87	17089	0.1863	0.1750	
87 n-Decane	57	21.070	21.070	0.000	85	13985	0.1880	0.1914	
90 1,3,5-Trimethylbenzene	105	21.145	21.150	-0.005	91	13344	0.1874	0.1680	
91 Alpha Methyl Styrene	118	21.529	21.529	0.000	80	5155	0.1840	0.1337	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
92 tert-Butylbenzene	119	21.652	21.657	-0.005	90	14506	0.1869	0.1947	
93 1,2,4-Trimethylbenzene	105	21.753	21.753	0.000	98	13796	0.1876	0.1716	
94 sec-Butylbenzene	105	21.999	21.993	0.006	98	22228	0.1887	0.1887	
95 4-Isopropyltoluene	119	22.207	22.207	0.000	96	18231	0.1860	0.1866	
96 1,3-Dichlorobenzene	146	22.223	22.223	0.000	96	9150	0.1909	0.1789	
97 1,4-Dichlorobenzene	146	22.362	22.362	0.000	89	8611	0.1889	0.1683	
98 Benzyl chloride	91	22.554	22.554	0.000	96	12990	0.1909	0.1593	
100 n-Butylbenzene	91	22.789	22.783	0.006	97	18540	0.1874	0.1779	
99 Undecane	57	22.847	22.842	0.005	91	15709	0.1887	0.1912	
101 1,2-Dichlorobenzene	146	22.885	22.885	0.000	91	8904	0.1883	0.1817	
102 Dodecane	57	24.363	24.363	0.000	90	16188	0.1689	0.1978	
103 1,2,4-Trichlorobenzene	180	25.260	25.260	0.000	93	7289	0.1959	0.1714	
104 Hexachlorobutadiene	225	25.457	25.457	0.000	95	8368	0.1851	0.2079	
105 Naphthalene	128	25.692	25.687	0.005	97	12607	0.1753	0.1261	
106 1,2,3-Trichlorobenzene	180	26.135	26.135	0.000	93	7086	0.1645	0.1745	
123 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00215

Amount Added: 180.00

Units: mL

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 19-Feb-2020 09:38:05

Chrom Revision: 2.3 13-Feb-2020 09:36:32

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-05.D

Injection Date: 18-Feb-2020 19:18:30

Instrument ID: CHC.i

Operator ID: ggg

Lims ID: ic

Worklist Smp#: 5

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

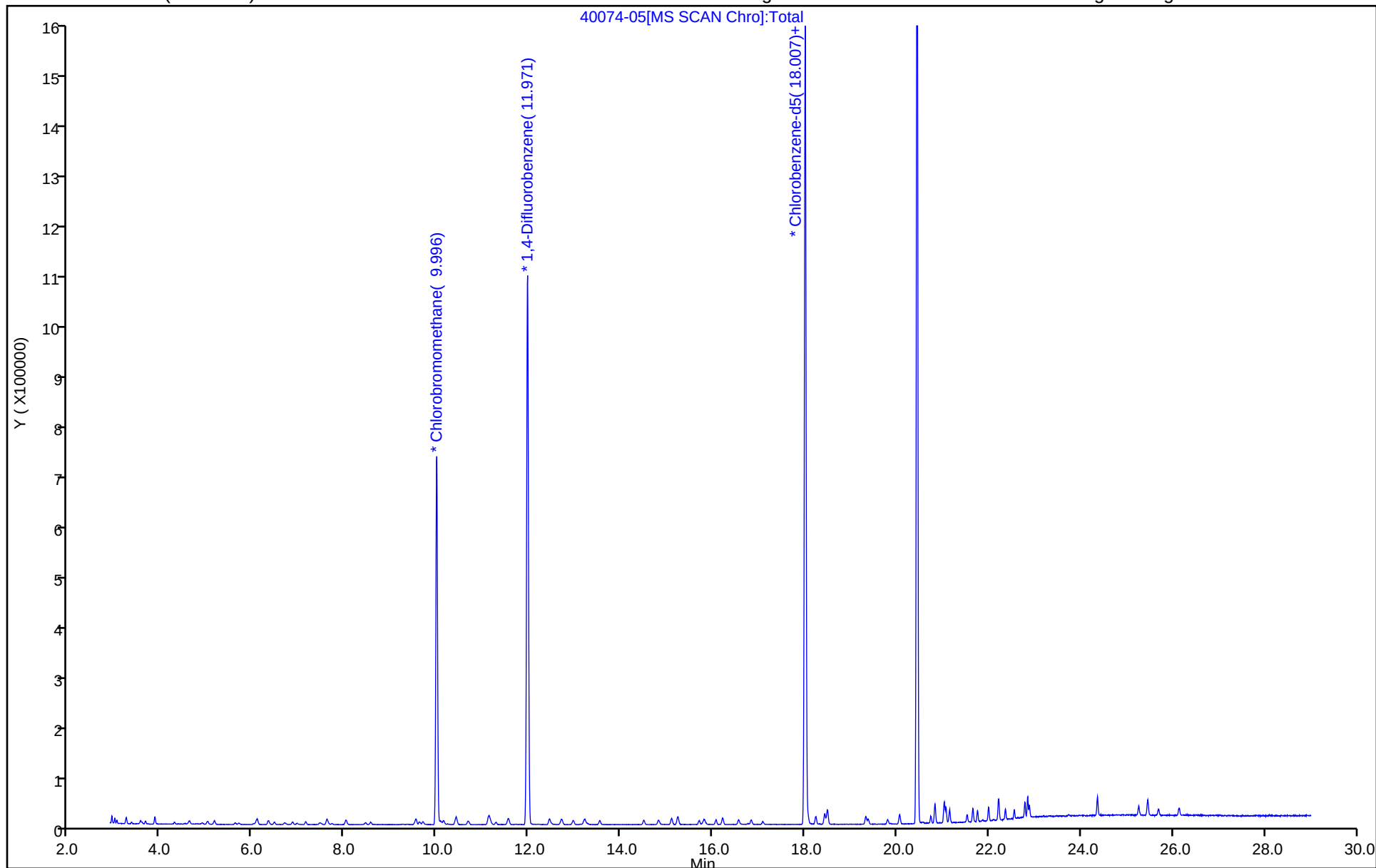
ALS Bottle#: 5

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-05.D

Injection Date: 18-Feb-2020 19:18:30

Instrument ID: CHC.i

Lims ID: ic

Client ID:

Operator ID: ggg

ALS Bottle#:

5

Worklist Smp#: 5

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

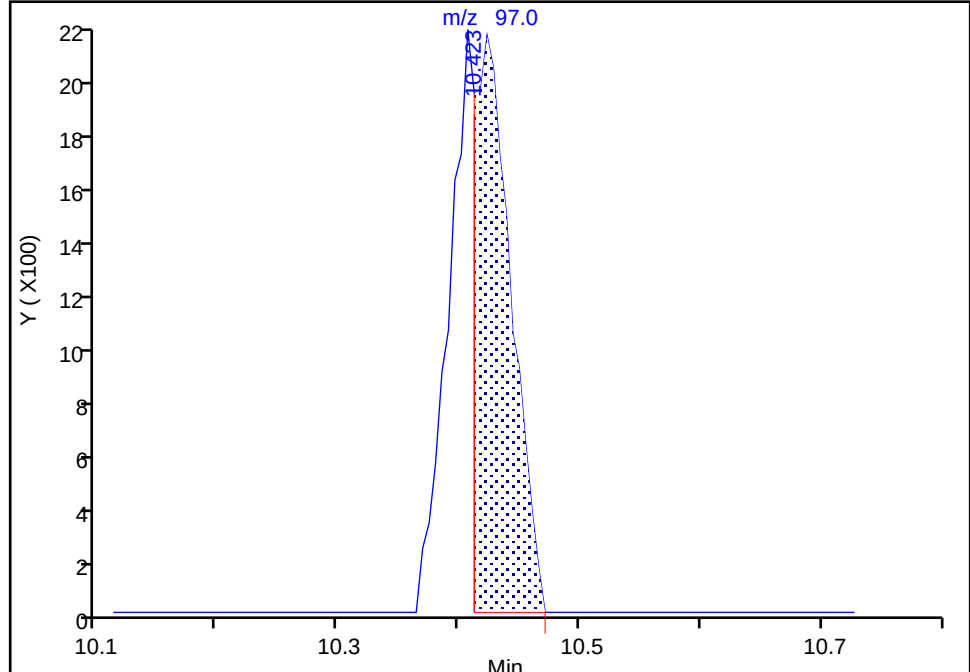
Detector: MS SCAN

44 1,1,1-Trichloroethane, CAS: 71-55-6

Signal: 1

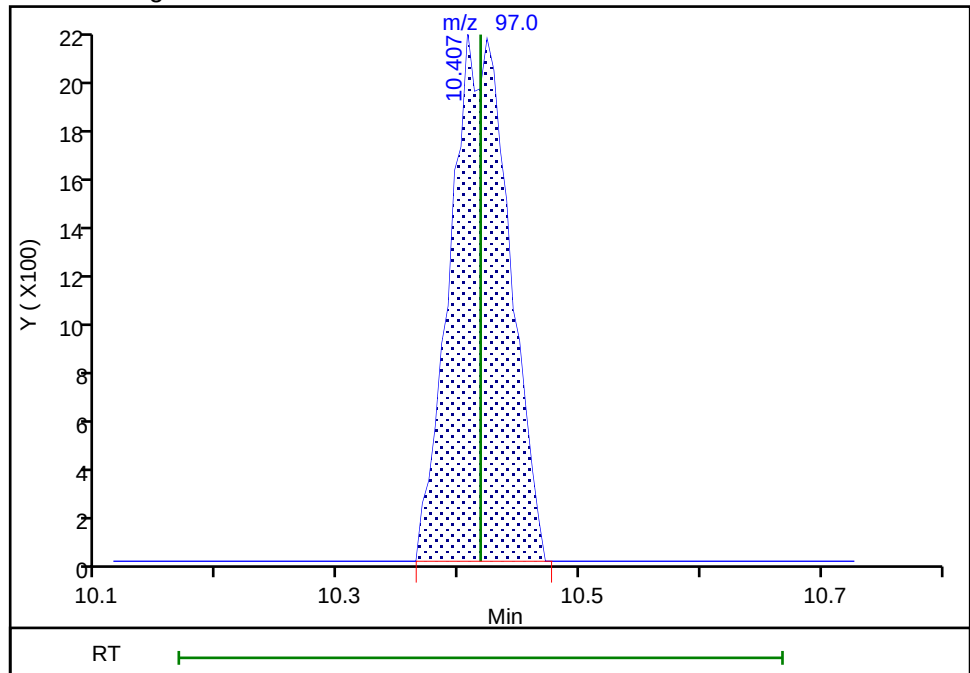
RT: 10.42
Area: 4500
Amount: 0.128770
Amount Units: ppb v/v

Processing Integration Results



RT: 10.41
Area: 7185
Amount: 0.195500
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bourdeaut, 19-Feb-2020 08:37:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-05.D

Injection Date: 18-Feb-2020 19:18:30

Instrument ID: CHC.i

Lims ID: ic

Client ID:

Operator ID: ggg

ALS Bottle#:

5

Worklist Smp#: 5

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

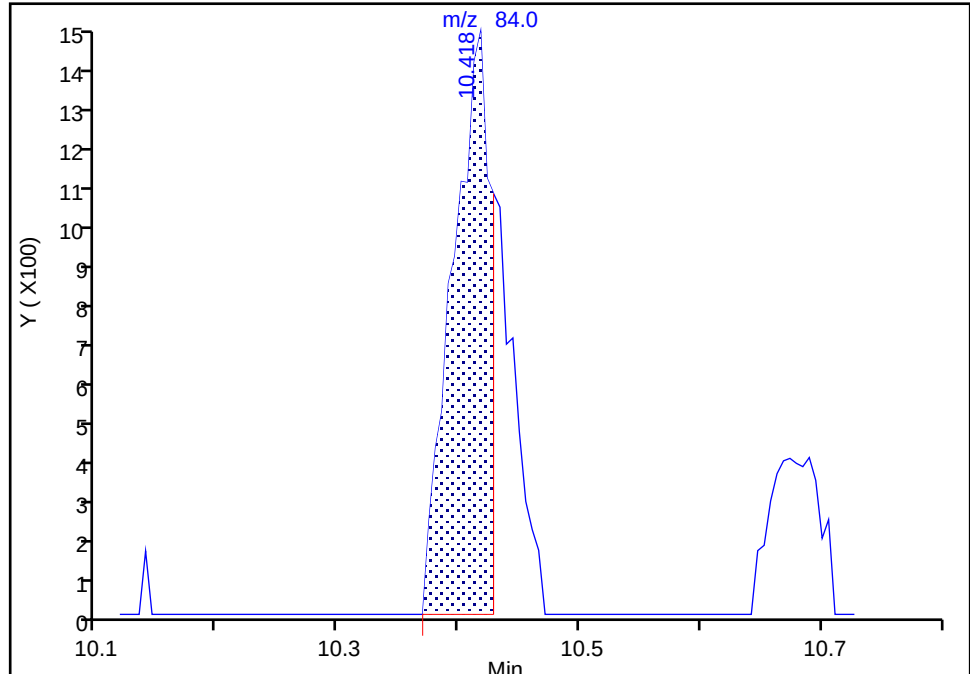
Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7

Signal: 1

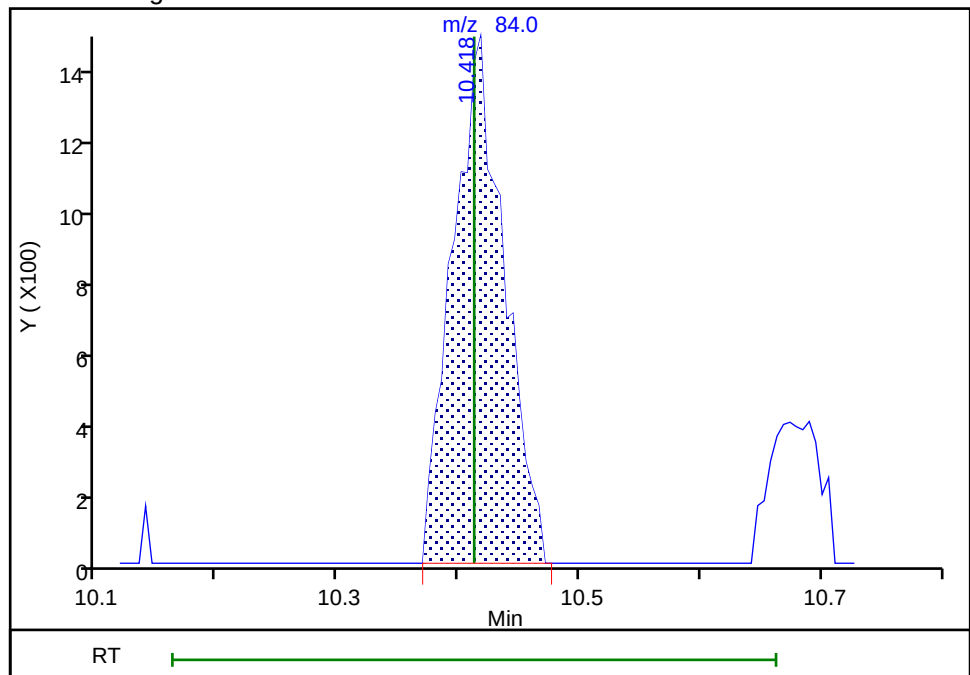
RT: 10.42
Area: 3103
Amount: 0.152797
Amount Units: ppb v/v

Processing Integration Results



RT: 10.42
Area: 4186
Amount: 0.191047
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bourdeaut, 19-Feb-2020 08:37:34

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-06.D

Lims ID: ic

Client ID:

Sample Type: IC

Calib Level: 3

Inject. Date: 18-Feb-2020 20:12:30

ALS Bottle#: 6

Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Sample Info: 200-0040074-006

Misc. Info.: ic-03

Operator ID: ggg

Instrument ID: CHC.i

Sublist: chrom-TO15_MasterMethod_(v1)_CHC.i*sub10

Method: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\TO15_MasterMethod_(v1)_CHC.i.m

Limit Group: AI_TO15_ICAL

Last Update: 19-Feb-2020 09:38:13

Calib Date: 19-Feb-2020 02:47:30

Integrator: RTE

ID Type: Deconvolution ID

Quant Method: Internal Standard

Quant By: Initial Calibration

Last ICal File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-13.D

Column 1 : RTX-624 (0.32 mm)

Det: MS SCAN

Process Host: CTX0313

First Level Reviewer: bourdeaut

Date: 19-Feb-2020 08:38:56

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	2.925	2.930	-0.005	95	9293	0.4648	0.5975	M
2 Dichlorodifluoromethane	85	2.989	2.994	-0.005	99	18599	0.4702	0.4932	
3 Chlorodifluoromethane	51	3.037	3.042	-0.005	98	14814	0.4720	0.5248	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.234	3.240	-0.006	94	18852	0.4689	0.4884	
5 Chloromethane	50	3.357	3.362	-0.005	98	8395	0.4918	0.5637	
6 Butane	43	3.555	3.554	0.000	97	15336	0.4666	0.5537	
7 Vinyl chloride	62	3.587	3.586	0.001	98	8022	0.4680	0.4995	
8 Butadiene	54	3.661	3.661	0.000	95	6402	0.4558	0.4953	
10 Bromomethane	94	4.291	4.291	0.000	96	6433	0.4644	0.4995	
11 Chloroethane	64	4.520	4.520	0.000	94	3579	0.4680	0.4928	
12 2-Methylbutane	43	4.611	4.617	-0.005	93	11268	0.4702	0.5687	
13 Vinyl bromide	106	4.894	4.899	-0.005	96	5760	0.4693	0.4814	
14 Trichlorofluoromethane	101	5.006	5.011	-0.005	98	16739	0.4756	0.4867	
16 Pentane	43	5.161	5.161	0.000	97	16611	0.4563	0.5208	
17 Ethanol	45	5.583	5.582	0.001	98	51815	4.51	5.33	
18 Ethyl ether	59	5.679	5.668	0.011	94	5188	0.4540	0.4833	
19 Acrolein	56	6.004	5.993	0.011	89	3495	0.4378	0.4496	
20 1,1,2-Trichloro-1,2,2-trif	101	6.074	6.073	0.001	87	13202	0.4725	0.4860	
21 1,1-Dichloroethene	96	6.090	6.095	-0.005	92	6261	0.4630	0.4803	
22 Acetone	43	6.319	6.308	0.011	100	27821	0.4612	0.9651	
23 Carbon disulfide	76	6.463	6.463	0.000	100	19054	0.4576	0.4723	
24 Isopropyl alcohol	45	6.671	6.650	0.021	100	19086	0.4603	0.5861	
25 3-Chloro-1-propene	41	6.858	6.858	0.000	95	14195	0.4797	0.5350	
26 Acetonitrile	41	6.954	6.938	0.016	96	7951	0.4459	0.5521	
27 Methylene Chloride	49	7.146	7.146	0.000	95	10686	0.4630	0.5107	
28 2-Methyl-2-propanol	59	7.440	7.418	0.022	97	16389	0.4855	0.4976	
29 Methyl tert-butyl ether	73	7.605	7.589	0.016	95	21695	0.4707	0.4969	
31 trans-1,2-Dichloroethene	61	7.600	7.600	0.000	92	12189	0.4594	0.4919	
32 Acrylonitrile	53	7.707	7.701	0.006	91	5398	0.4554	0.4467	
33 Hexane	57	8.027	8.021	0.006	92	13165	0.4770	0.5126	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.448	8.448	0.000	99	14389	0.4504	0.4625	
35 Vinyl acetate	43	8.550	8.544	0.006	100	27393	0.4680	0.4892	
37 cis-1,2-Dichloroethene	96	9.543	9.548	-0.006	96	7035	0.4549	0.4643	
38 2-Butanone (MEK)	72	9.612	9.596	0.016	97	4136	0.4657	0.5092	
39 Ethyl acetate	88	9.676	9.676	0.000	98	488	0.4563	0.3798	M
* 40 Chlorobromomethane	128	9.996	9.996	0.000	94	212888	20.0	20.0	
41 Tetrahydrofuran	42	10.071	10.039	0.032	92	14294	0.4500	0.5216	
42 Chloroform	83	10.146	10.146	0.000	95	16418	0.4549	0.4646	
S 30 1,2-Dichloroethene, Total	61				0		0.9143	0.9562	
43 Cyclohexane	84	10.412	10.412	0.000	86	10290	0.4572	0.4781	
44 1,1,1-Trichloroethane	97	10.412	10.418	-0.006	95	16675	0.4590	0.4619	
45 Carbon tetrachloride	117	10.674	10.679	-0.005	95	15851	0.4576	0.4542	
47 Benzene	78	11.117	11.117	0.000	98	26328	0.4653	0.4927	
46 Isooctane	57	11.149	11.149	0.000	96	49684	0.4716	0.4932	
48 1,2-Dichloroethane	62	11.288	11.282	0.006	96	13687	0.4666	0.4823	
49 n-Heptane	43	11.549	11.554	-0.005	95	25643	0.4734	0.5158	
* 50 1,4-Difluorobenzene	114	11.971	11.971	0.000	98	1116427	20.0	20.0	
52 n-Butanol	56	12.446	12.424	0.022	87	9297	0.4301	0.5608	
53 Trichloroethene	95	12.440	12.440	0.000	92	10593	0.4743	0.4725	
54 1,2-Dichloropropane	63	12.963	12.963	0.000	83	11197	0.4644	0.4824	
55 Methyl methacrylate	69	13.182	13.182	0.000	86	9884	0.4576	0.4535	
57 Dibromomethane	174	13.225	13.220	0.005	95	9140	0.4639	0.4740	
56 1,4-Dioxane	88	13.246	13.225	0.021	91	6399	0.4765	0.6084	
58 Dichlorobromomethane	83	13.540	13.540	0.000	96	19207	0.4761	0.4691	
60 cis-1,3-Dichloropropene	75	14.495	14.495	0.000	94	17054	0.4680	0.4630	
61 4-Methyl-2-pentanone (MIBK)	43	14.810	14.799	0.011	98	32786	0.4612	0.4757	
65 Toluene	92	15.098	15.098	0.000	92	18613	0.4576	0.4839	
64 n-Octane	43	15.237	15.237	0.000	99	36057	0.4653	0.4912	
66 trans-1,3-Dichloropropene	75	15.696	15.701	-0.005	92	15654	0.4450	0.4466	
67 1,1,2-Trichloroethane	83	16.070	16.064	0.006	94	9622	0.4720	0.4913	
68 Tetrachloroethene	166	16.208	16.214	-0.006	93	13164	0.4729	0.4748	
69 2-Hexanone	43	16.550	16.539	0.011	89	38551	0.4500	0.5427	
71 Chlorodibromomethane	129	16.833	16.833	0.000	95	15613	0.4360	0.4110	
72 Ethylene Dibromide	107	17.089	17.089	0.000	98	14934	0.4779	0.4704	
* 74 Chlorobenzene-d5	117	18.007	18.007	0.000	94	1091382	20.0	20.0	
75 Chlorobenzene	112	18.066	18.071	-0.005	90	22598	0.4725	0.4807	
76 Ethylbenzene	91	18.236	18.236	0.000	99	41718	0.4603	0.4714	
77 n-Nonane	57	18.428	18.428	0.000	95	26133	0.4720	0.4857	
78 m-Xylene & p-Xylene	106	18.487	18.492	-0.005	0	29583	0.9260	0.9434	
79 o-Xylene	106	19.320	19.325	-0.005	96	14264	0.4666	0.4754	
80 Styrene	104	19.373	19.373	0.000	97	22336	0.4648	0.4633	
81 Bromoform	173	19.800	19.800	0.000	94	13232	0.4635	0.4097	
82 Isopropylbenzene	105	20.062	20.062	0.000	98	44130	0.4698	0.4788	
S 73 Xylenes, Total	106				0		1.39	1.42	
84 1,1,2,2-Tetrachloroethane	83	20.739	20.739	0.000	98	24944	0.4657	0.4858	
85 N-Propylbenzene	91	20.830	20.830	0.000	97	56817	0.4684	0.4717	
86 1,2,3-Trichloropropane	75	20.825	20.830	-0.005	92	22057	0.4770	0.4956	
89 2-Chlorotoluene	91	21.028	21.027	0.001	95	40182	0.4702	0.4701	
88 4-Ethyltoluene	105	21.033	21.033	0.000	97	44770	0.4653	0.4709	
87 n-Decane	57	21.065	21.070	-0.005	84	32283	0.4693	0.4537	
90 1,3,5-Trimethylbenzene	105	21.145	21.150	-0.005	90	36424	0.4680	0.4709	
91 Alpha Methyl Styrene	118	21.529	21.529	0.000	83	17251	0.4594	0.4594	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
92 tert-Butylbenzene	119	21.657	21.657	0.000	89	33461	0.4666	0.4613	
93 1,2,4-Trimethylbenzene	105	21.753	21.753	0.000	99	36631	0.4684	0.4678	
94 sec-Butylbenzene	105	21.994	21.993	0.001	97	53116	0.4711	0.4632	
95 4-Isopropyltoluene	119	22.207	22.207	0.000	96	42848	0.4644	0.4504	
96 1,3-Dichlorobenzene	146	22.223	22.223	0.000	96	25335	0.4765	0.5086	
97 1,4-Dichlorobenzene	146	22.362	22.362	0.000	90	25918	0.4716	0.5201	
98 Benzyl chloride	91	22.554	22.554	0.000	96	35404	0.4765	0.4459	
100 n-Butylbenzene	91	22.783	22.783	0.000	97	50461	0.4680	0.4973	
99 Undecane	57	22.842	22.842	0.000	89	37289	0.4711	0.4661	
101 1,2-Dichlorobenzene	146	22.885	22.885	0.000	92	24100	0.4702	0.5051	
102 Dodecane	57	24.363	24.363	0.000	89	39715	0.4216	0.4983	
103 1,2,4-Trichlorobenzene	180	25.260	25.260	0.000	93	25551	0.4891	0.6169	
104 Hexachlorobutadiene	225	25.457	25.457	0.000	96	18498	0.4621	0.4720	
105 Naphthalene	128	25.692	25.687	0.005	98	63463	0.4378	0.6519	
106 1,2,3-Trichlorobenzene	180	26.135	26.135	0.000	93	20966	0.4108	0.5302	
123 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL2w_00289

Amount Added: 180.00

Units: mL

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 19-Feb-2020 09:38:15

Chrom Revision: 2.3 13-Feb-2020 09:36:32

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-06.D

Injection Date: 18-Feb-2020 20:12:30

Instrument ID: CHC.i

Operator ID: ggg

Lims ID: ic

Worklist Smp#: 6

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

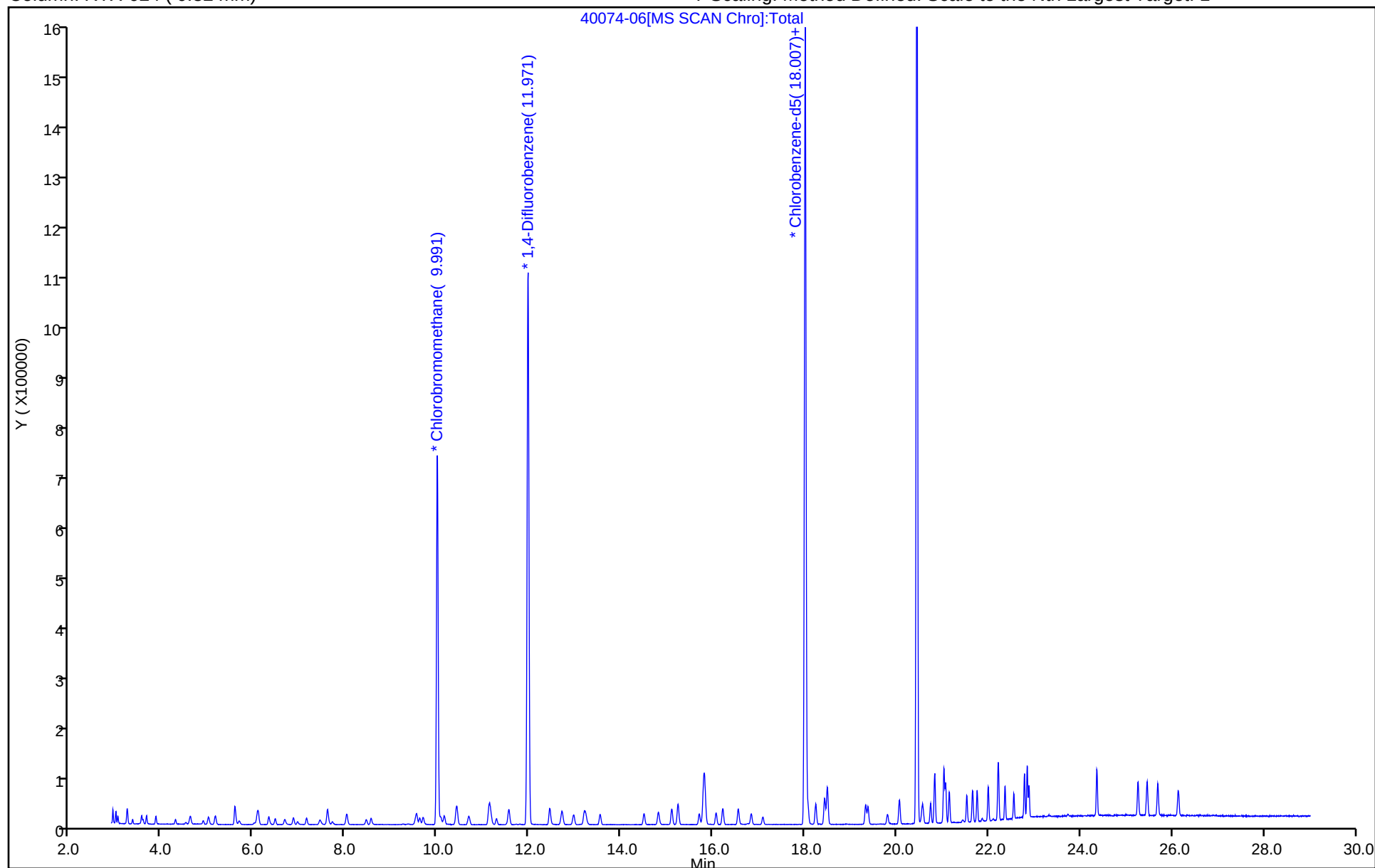
ALS Bottle#: 6

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-06.D

Injection Date: 18-Feb-2020 20:12:30

Instrument ID: CHC.i

Lims ID: ic

Client ID:

Operator ID: ggg

ALS Bottle#:

6

Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

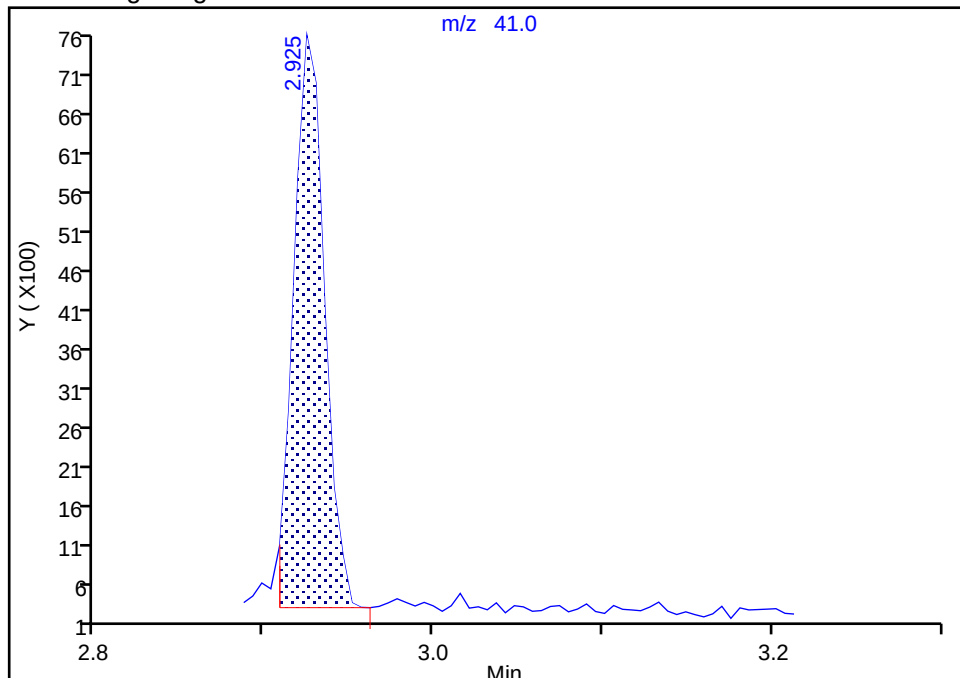
Detector: MS SCAN

1 Propene, CAS: 115-07-1

Signal: 1

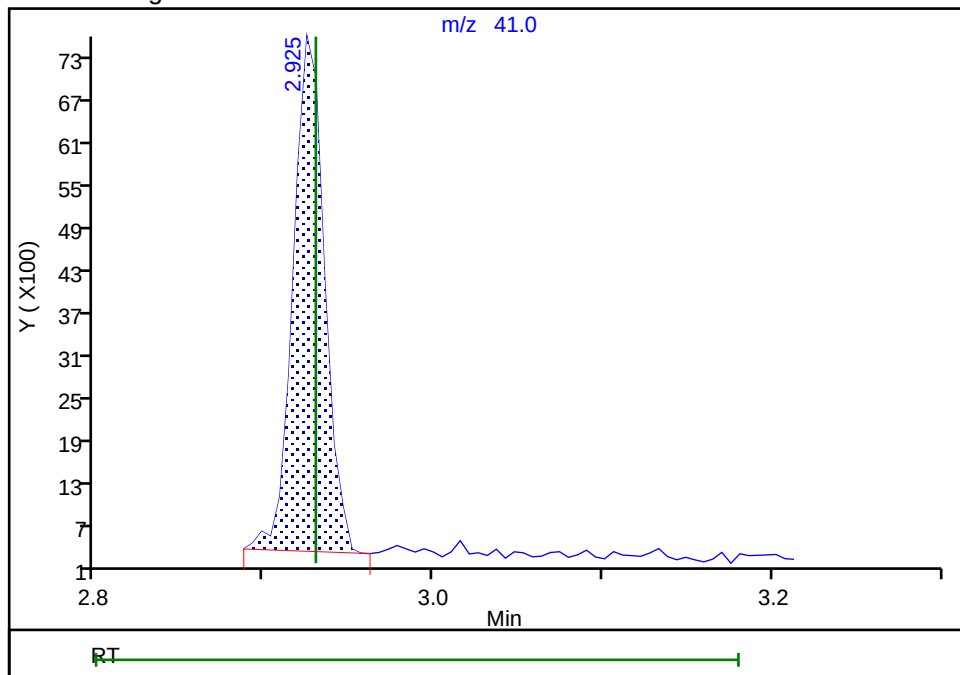
RT: 2.92
Area: 9202
Amount: 0.407677
Amount Units: ppb v/v

Processing Integration Results



RT: 2.92
Area: 9293
Amount: 0.597469
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bourdeaut, 19-Feb-2020 08:38:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-06.D

Injection Date: 18-Feb-2020 20:12:30

Instrument ID: CHC.i

Lims ID: ic

Client ID:

Operator ID: ggg

ALS Bottle#:

6

Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

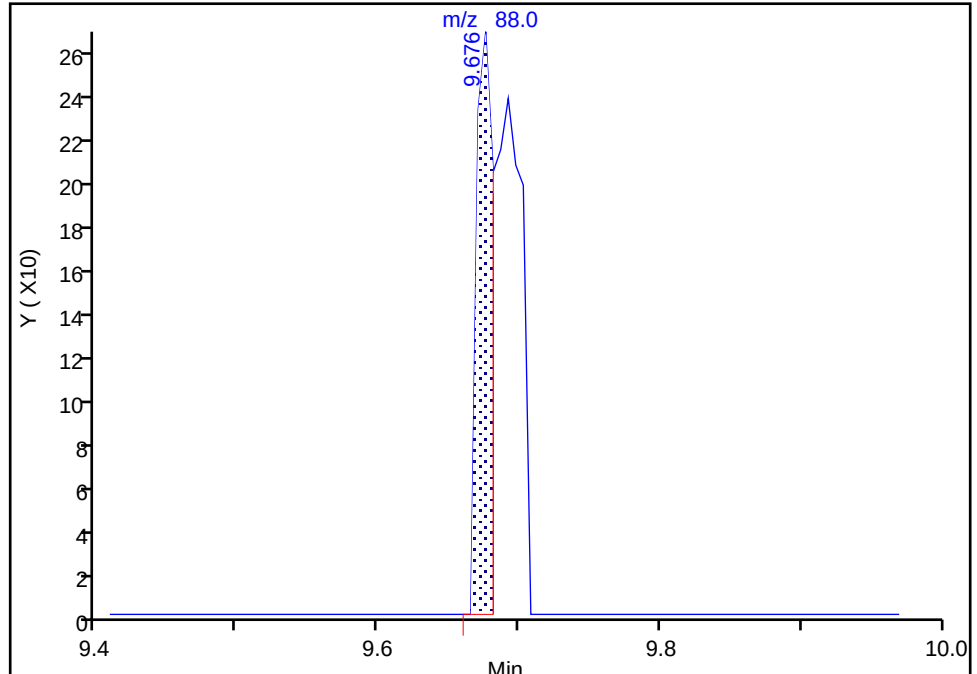
Detector: MS SCAN

39 Ethyl acetate, CAS: 141-78-6

Signal: 1

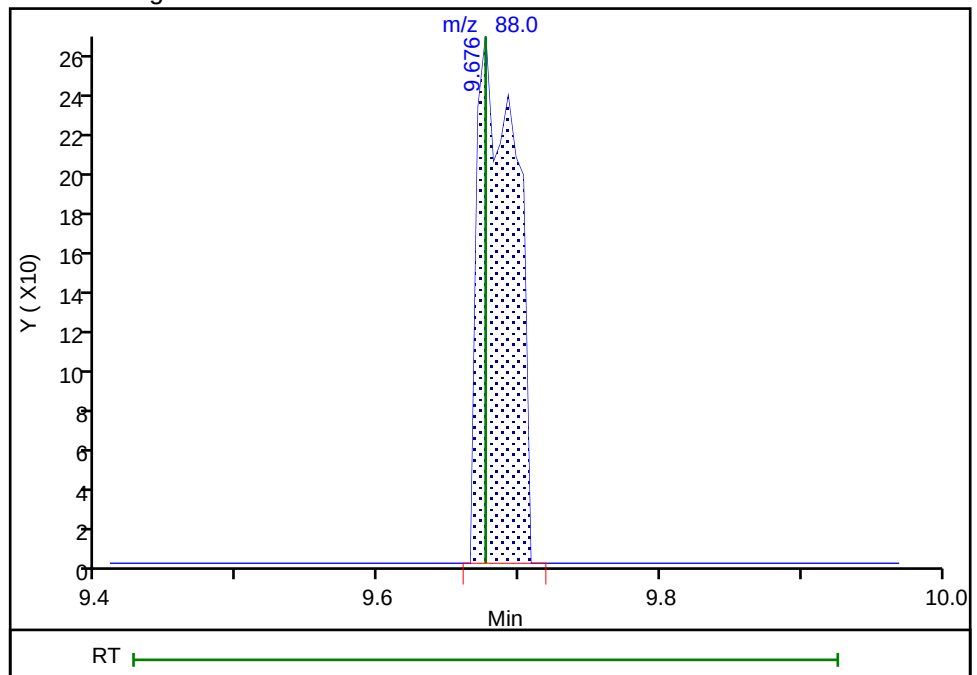
RT: 9.68
Area: 220
Amount: 0.171220
Amount Units: ppb v/v

Processing Integration Results



RT: 9.68
Area: 488
Amount: 0.379797
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bourdeaut, 19-Feb-2020 08:38:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-07.D

Lims ID: ic

Client ID:

Sample Type: IC

Calib Level: 4

Inject. Date: 18-Feb-2020 21:11:30

ALS Bottle#: 7

Worklist Smp#: 7

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Sample Info: 200-0040074-007

Misc. Info.: ic-04

Operator ID: ggg

Instrument ID: CHC.i

Sublist: chrom-TO15_MasterMethod_(v1)_CHC.i*sub10

Method: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\TO15_MasterMethod_(v1)_CHC.i.m

Limit Group: AI_TO15_ICAL

Last Update: 19-Feb-2020 09:38:22

Calib Date: 19-Feb-2020 02:47:30

Integrator: RTE

ID Type: Deconvolution ID

Quant Method: Internal Standard

Quant By: Initial Calibration

Last ICal File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-13.D

Column 1 : RTX-624 (0.32 mm)

Det: MS SCAN

Process Host: CTX0313

First Level Reviewer: phamvu

Date: 19-Feb-2020 09:27:00

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	2.935	2.930	0.005	97	75183	4.64	4.87	
2 Dichlorodifluoromethane	85	3.005	2.994	0.011	99	169839	4.69	4.54	
3 Chlorodifluoromethane	51	3.047	3.042	0.005	98	131056	4.71	4.68	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.250	3.240	0.010	96	174083	4.68	4.54	
5 Chloromethane	50	3.368	3.362	0.006	99	71691	4.91	4.85	
6 Butane	43	3.565	3.554	0.011	97	129305	4.66	4.70	
7 Vinyl chloride	62	3.597	3.586	0.011	98	72401	4.67	4.54	
8 Butadiene	54	3.672	3.661	0.011	93	58721	4.55	4.58	
10 Bromomethane	94	4.301	4.291	0.010	98	56469	4.63	4.42	
11 Chloroethane	64	4.526	4.520	0.006	99	33829	4.67	4.69	
12 2-Methylbutane	43	4.622	4.617	0.006	94	92520	4.69	4.71	
13 Vinyl bromide	106	4.905	4.899	0.006	98	52577	4.68	4.43	
14 Trichlorofluoromethane	101	5.017	5.011	0.006	98	154655	4.74	4.53	
16 Pentane	43	5.166	5.161	0.005	98	145302	4.55	4.59	
17 Ethanol	45	5.593	5.582	0.011	98	98386	8.99	10.2	
18 Ethyl ether	59	5.678	5.668	0.010	89	47769	4.53	4.48	
19 Acrolein	56	6.009	5.993	0.016	98	28800	4.37	3.73	
20 1,1,2-Trichloro-1,2,2-trif	101	6.084	6.073	0.011	95	121285	4.71	4.50	
21 1,1-Dichloroethene	96	6.100	6.095	0.005	92	56936	4.62	4.40	
22 Acetone	43	6.319	6.308	0.011	100	138911	4.60	4.86	
23 Carbon disulfide	76	6.468	6.463	0.005	99	177822	4.57	4.44	
24 Isopropyl alcohol	45	6.660	6.650	0.010	100	153766	4.59	4.76	
25 3-Chloro-1-propene	41	6.863	6.858	0.005	94	121293	4.79	4.61	
26 Acetonitrile	41	6.943	6.938	0.005	99	64708	4.45	4.53	
27 Methylene Chloride	49	7.151	7.146	0.005	95	96095	4.62	4.63	
28 2-Methyl-2-propanol	59	7.429	7.418	0.011	96	158753	4.84	4.86	
29 Methyl tert-butyl ether	73	7.600	7.589	0.011	96	198364	4.70	4.58	
31 trans-1,2-Dichloroethene	61	7.605	7.600	0.005	93	111218	4.58	4.52	
32 Acrylonitrile	53	7.706	7.701	0.005	93	54224	4.54	4.52	
33 Hexane	57	8.027	8.021	0.006	92	117322	4.76	4.60	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.454	8.448	0.006	99	134325	4.49	4.35	
35 Vinyl acetate	43	8.550	8.544	0.006	100	265397	4.67	4.78	
37 cis-1,2-Dichloroethene	96	9.548	9.548	0.000	97	66663	4.54	4.43	
38 2-Butanone (MEK)	72	9.601	9.596	0.005	97	35974	4.65	4.46	
39 Ethyl acetate	88	9.681	9.676	0.005	98	5666	4.55	4.44	
* 40 Chlorobromomethane	128	9.996	9.996	0.000	94	211269	20.0	20.0	
41 Tetrahydrofuran	42	10.049	10.039	0.010	91	124497	4.49	4.64	
42 Chloroform	83	10.151	10.146	0.005	95	153709	4.54	4.38	
S 30 1,2-Dichloroethene, Total	61				0		9.12	8.96	
43 Cyclohexane	84	10.418	10.412	0.006	86	92039	4.56	4.36	
44 1,1,1-Trichloroethane	97	10.418	10.418	0.000	94	156027	4.58	4.41	
45 Carbon tetrachloride	117	10.684	10.679	0.005	96	151228	4.57	4.42	
47 Benzene	78	11.117	11.117	0.000	98	230786	4.64	4.41	
46 Isooctane	57	11.149	11.149	0.000	96	449071	4.70	4.55	
48 1,2-Dichloroethane	62	11.282	11.282	0.000	96	126822	4.66	4.56	
49 n-Heptane	43	11.554	11.554	0.000	96	220228	4.72	4.52	
* 50 1,4-Difluorobenzene	114	11.971	11.971	0.000	98	1093976	20.0	20.0	
52 n-Butanol	56	12.440	12.424	0.016	97	66336	4.29	4.08	
53 Trichloroethene	95	12.446	12.440	0.006	92	100846	4.73	4.59	
54 1,2-Dichloropropane	63	12.969	12.963	0.006	83	100677	4.63	4.43	
55 Methyl methacrylate	69	13.187	13.182	0.005	86	91244	4.57	4.27	
57 Dibromomethane	174	13.219	13.220	-0.001	95	84656	4.63	4.48	
56 1,4-Dioxane	88	13.235	13.225	0.010	96	50156	4.75	4.87	
58 Dichlorobromomethane	83	13.540	13.540	0.000	97	178425	4.75	4.45	
60 cis-1,3-Dichloropropene	75	14.500	14.495	0.005	96	161588	4.67	4.48	
61 4-Methyl-2-pentanone (MIBK)	43	14.805	14.799	0.005	98	298900	4.60	4.43	
65 Toluene	92	15.098	15.098	0.000	92	164710	4.57	4.30	
64 n-Octane	43	15.237	15.237	0.000	99	318677	4.64	4.43	
66 trans-1,3-Dichloropropene	75	15.701	15.701	0.000	93	145744	4.44	4.24	
67 1,1,2-Trichloroethane	83	16.064	16.064	0.000	95	87259	4.71	4.48	
68 Tetrachloroethene	166	16.213	16.214	-0.001	94	126218	4.72	4.58	
69 2-Hexanone	43	16.544	16.539	0.005	89	287953	4.49	4.07	
71 Chlorodibromomethane	129	16.833	16.833	0.000	96	150131	4.35	3.97	
72 Ethylene Dibromide	107	17.089	17.089	0.000	98	143189	4.77	4.53	
* 74 Chlorobenzene-d5	117	18.012	18.007	0.005	94	1085806	20.0	20.0	
75 Chlorobenzene	112	18.071	18.071	0.000	89	210092	4.71	4.49	
76 Ethylbenzene	91	18.236	18.236	0.000	99	380547	4.59	4.32	
77 n-Nonane	57	18.434	18.428	0.006	94	238300	4.71	4.45	
78 m-Xylene & p-Xylene	106	18.487	18.492	-0.005	0	273181	9.24	8.76	
79 o-Xylene	106	19.325	19.325	0.000	97	132066	4.66	4.42	
80 Styrene	104	19.378	19.373	0.005	97	214862	4.64	4.48	
81 Bromoform	173	19.800	19.800	0.000	95	124436	4.62	3.87	
82 Isopropylbenzene	105	20.061	20.062	-0.001	98	403782	4.69	4.40	
S 73 Xylenes, Total	106				0		13.9	13.2	
84 1,1,2,2-Tetrachloroethane	83	20.739	20.739	0.000	98	219945	4.65	4.31	
85 N-Propylbenzene	91	20.830	20.830	0.000	98	520672	4.67	4.35	
86 1,2,3-Trichloropropane	75	20.825	20.830	-0.005	92	195819	4.76	4.42	
89 2-Chlorotoluene	91	21.027	21.027	0.000	96	369809	4.69	4.35	
88 4-Ethyltoluene	105	21.033	21.033	0.000	98	414663	4.64	4.38	
87 n-Decane	57	21.070	21.070	0.000	84	313751	4.68	4.43	
90 1,3,5-Trimethylbenzene	105	21.145	21.150	-0.005	91	340744	4.67	4.43	
91 Alpha Methyl Styrene	118	21.529	21.529	0.000	84	165808	4.58	4.44	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
92 tert-Butylbenzene	119	21.657	21.657	0.000	89	314015	4.66	4.35	
93 1,2,4-Trimethylbenzene	105	21.753	21.753	0.000	99	344007	4.67	4.42	
94 sec-Butylbenzene	105	21.993	21.993	0.000	98	502926	4.70	4.41	
95 4-Isopropyltoluene	119	22.207	22.207	0.000	96	406648	4.63	4.30	
96 1,3-Dichlorobenzene	146	22.223	22.223	0.000	95	216518	4.75	4.37	
97 1,4-Dichlorobenzene	146	22.362	22.362	0.000	91	218192	4.70	4.40	
98 Benzyl chloride	91	22.554	22.554	0.000	96	334715	4.75	4.24	
100 n-Butylbenzene	91	22.783	22.783	0.000	97	435427	4.67	4.31	
99 Undecane	57	22.842	22.842	0.000	90	351811	4.70	4.42	
101 1,2-Dichlorobenzene	146	22.885	22.885	0.000	92	207212	4.69	4.36	
102 Dodecane	57	24.363	24.363	0.000	89	352189	4.21	4.44	
103 1,2,4-Trichlorobenzene	180	25.259	25.260	-0.001	93	181684	4.88	4.41	
104 Hexachlorobutadiene	225	25.457	25.457	0.000	97	177757	4.61	4.56	
105 Naphthalene	128	25.686	25.687	-0.001	98	358122	4.37	3.70	
106 1,2,3-Trichlorobenzene	180	26.135	26.135	0.000	94	151383	4.10	3.85	
123 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL3w_00221

Amount Added: 180.00

Units: mL

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 19-Feb-2020 09:38:23

Chrom Revision: 2.3 13-Feb-2020 09:36:32

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-07.D

Injection Date: 18-Feb-2020 21:11:30

Instrument ID: CHC.i

Operator ID: ggg

Lims ID: ic

Worklist Smp#: 7

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

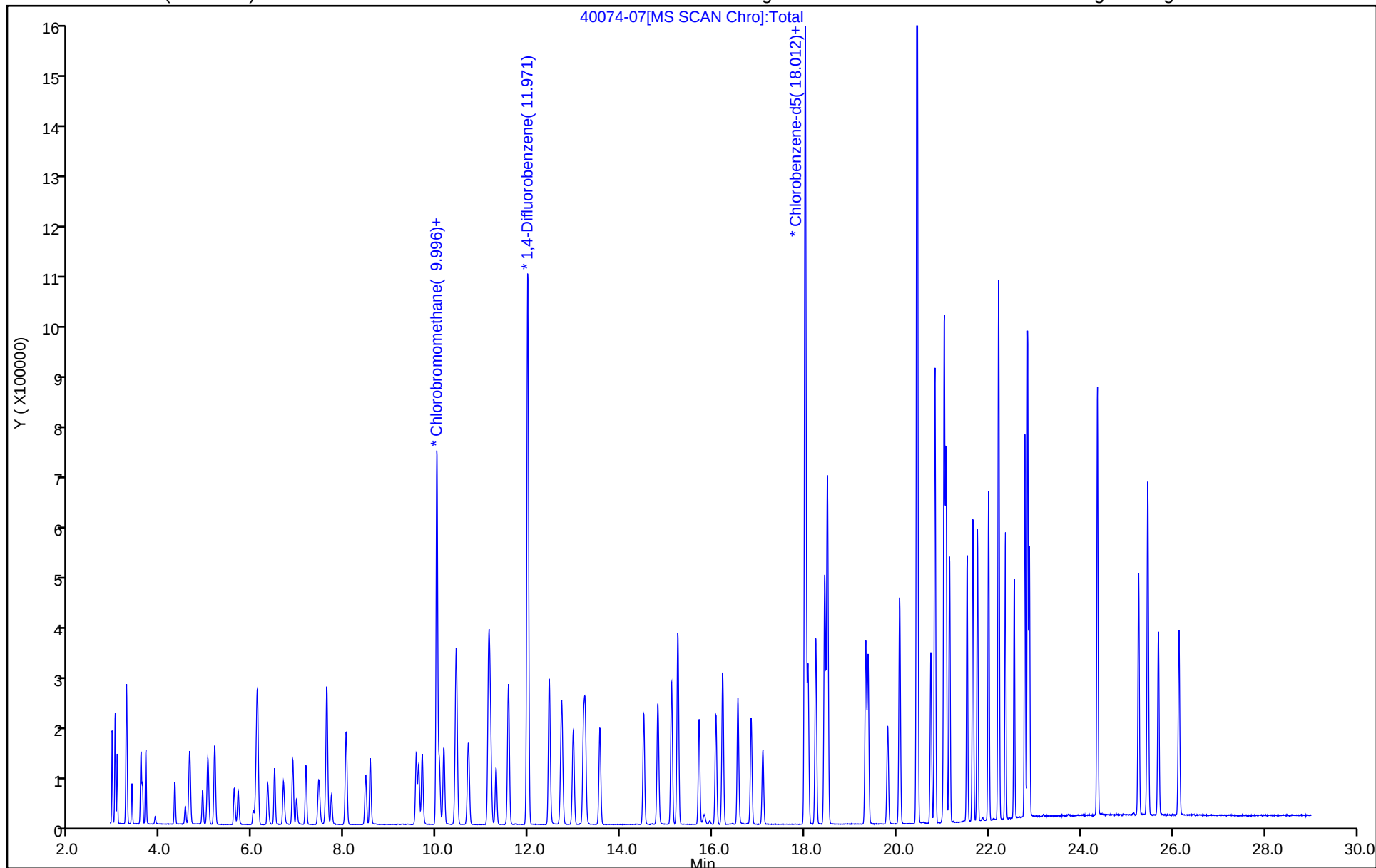
ALS Bottle#: 7

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-08.D

Lims ID: icis

Client ID:

Sample Type: ICIS

Calib Level: 5

Inject. Date: 18-Feb-2020 22:08:30

ALS Bottle#: 8

Worklist Smp#: 8

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Sample Info: 200-0040074-008

Misc. Info.: icis

Operator ID: ggg

Instrument ID: CHC.i

Sublist: chrom-TO15_MasterMethod_(v1)_CHC.i*sub10

Method: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\TO15_MasterMethod_(v1)_CHC.i.m

Limit Group: AI_TO15_ICAL

Last Update: 19-Feb-2020 09:38:28

Calib Date: 19-Feb-2020 02:47:30

Integrator: RTE

ID Type: RT Order ID

Quant Method: Internal Standard

Quant By: Initial Calibration

Last ICal File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-13.D

Column 1 : RTX-624 (0.32 mm)

Det: MS SCAN

Process Host: CTX0313

First Level Reviewer: bourdeaut

Date: 19-Feb-2020 08:34:27

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	2.930	2.930	0.000	97	166294	10.3	10.4	
2 Dichlorodifluoromethane	85	2.994	2.994	0.000	99	400354	10.4	10.3	
3 Chlorodifluoromethane	51	3.042	3.042	0.000	98	300480	10.5	10.3	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.239	3.239	0.000	96	404361	10.4	10.2	
5 Chloromethane	50	3.362	3.362	0.000	99	164282	10.9	10.7	
6 Butane	43	3.554	3.554	0.000	97	291397	10.4	10.2	
7 Vinyl chloride	62	3.586	3.586	0.000	98	165317	10.4	9.98	
8 Butadiene	54	3.661	3.661	0.000	93	134243	10.1	10.1	
10 Bromomethane	94	4.291	4.291	0.000	98	134127	10.3	10.1	
11 Chloroethane	64	4.520	4.520	0.000	98	77913	10.4	10.4	
12 2-Methylbutane	43	4.616	4.616	0.000	93	205214	10.4	10.0	
13 Vinyl bromide	106	4.899	4.899	0.000	98	125896	10.4	10.2	
14 Trichlorofluoromethane	101	5.011	5.011	0.000	98	362489	10.6	10.2	
16 Pentane	43	5.161	5.161	0.000	98	328815	10.1	10.0	
17 Ethanol	45	5.582	5.582	0.000	98	153783	15.0	15.3	
18 Ethyl ether	59	5.668	5.668	0.000	90	110635	10.1	10.0	
19 Acrolein	56	5.993	5.993	0.000	98	71349	9.72	8.90	
20 1,1,2-Trichloro-1,2,2-trif	101	6.079	6.079	0.000	95	288097	10.5	10.3	
21 1,1-Dichloroethene	96	6.095	6.095	0.000	92	133431	10.3	9.93	
22 Acetone	43	6.308	6.308	0.000	100	304326	10.2	10.2	
23 Carbon disulfide	76	6.463	6.463	0.000	100	416072	10.2	10.0	
24 Isopropyl alcohol	45	6.650	6.650	0.000	100	350721	10.2	10.4	
25 3-Chloro-1-propene	41	6.858	6.858	0.000	94	279877	10.6	10.2	
26 Acetonitrile	41	6.938	6.938	0.000	99	149584	9.90	10.1	
27 Methylene Chloride	49	7.146	7.146	0.000	96	219084	10.3	10.2	
28 2-Methyl-2-propanol	59	7.418	7.418	0.000	96	372200	10.8	11.0	
29 Methyl tert-butyl ether	73	7.589	7.589	0.000	96	460702	10.4	10.2	
31 trans-1,2-Dichloroethene	61	7.600	7.600	0.000	93	258217	10.2	10.1	
32 Acrylonitrile	53	7.701	7.701	0.000	93	127355	10.1	10.2	
33 Hexane	57	8.021	8.021	0.000	92	270210	10.6	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.448	8.448	0.000	99	308201	10.0	9.61	
35 Vinyl acetate	43	8.544	8.544	0.000	100	602825	10.4	10.4	
37 cis-1,2-Dichloroethene	96	9.548	9.548	0.000	97	158195	10.1	10.1	
38 2-Butanone (MEK)	72	9.596	9.596	0.000	97	85277	10.3	10.2	
39 Ethyl acetate	88	9.676	9.676	0.000	98	13091	10.1	9.88	
* 40 Chlorobromomethane	128	9.996	9.996	0.000	95	219533	20.0	20.0	
41 Tetrahydrofuran	42	10.039	10.039	0.000	92	282155	9.99	10.1	
42 Chloroform	83	10.151	10.151	0.000	95	360381	10.1	9.89	
S 30 1,2-Dichloroethene, Total	61				0		20.3	20.2	
43 Cyclohexane	84	10.412	10.412	0.000	87	220102	10.1	10.0	
44 1,1,1-Trichloroethane	97	10.418	10.418	0.000	94	370554	10.2	10.0	
45 Carbon tetrachloride	117	10.684	10.684	0.000	96	369659	10.2	10.4	
47 Benzene	78	11.122	11.122	0.000	98	540433	10.3	9.89	
46 Isooctane	57	11.149	11.149	0.000	96	1053228	10.5	10.2	
48 1,2-Dichloroethane	62	11.282	11.282	0.000	97	298930	10.4	10.3	
49 n-Heptane	43	11.554	11.554	0.000	96	508122	10.5	10.0	
* 50 1,4-Difluorobenzene	114	11.971	11.971	0.000	98	1142261	20.0	20.0	
52 n-Butanol	56	12.424	12.424	0.000	97	158885	9.55	9.37	
53 Trichloroethene	95	12.440	12.440	0.000	91	235118	10.5	10.3	
54 1,2-Dichloropropane	63	12.963	12.963	0.000	82	237353	10.3	10.0	
55 Methyl methacrylate	69	13.187	13.187	0.000	86	223629	10.2	10.0	
57 Dibromomethane	174	13.225	13.225	0.000	96	200640	10.3	10.2	
56 1,4-Dioxane	88	13.225	13.225	0.000	96	114507	10.6	10.6	
58 Dichlorobromomethane	83	13.545	13.545	0.000	97	435680	10.6	10.4	
60 cis-1,3-Dichloropropene	75	14.495	14.495	0.000	95	388227	10.4	10.3	
61 4-Methyl-2-pentanone (MIBK)	43	14.799	14.799	0.000	98	708934	10.2	10.1	
65 Toluene	92	15.103	15.103	0.000	92	391894	10.2	9.94	
64 n-Octane	43	15.237	15.237	0.000	99	749358	10.3	9.98	
66 trans-1,3-Dichloropropene	75	15.701	15.701	0.000	93	358005	9.88	9.98	
67 1,1,2-Trichloroethane	83	16.064	16.064	0.000	95	205848	10.5	10.3	
68 Tetrachloroethene	166	16.214	16.214	0.000	93	293029	10.5	10.3	
69 2-Hexanone	43	16.539	16.539	0.000	89	687754	9.99	9.44	
71 Chlorodibromomethane	129	16.833	16.833	0.000	96	376759	9.68	9.68	
72 Ethylene Dibromide	107	17.083	17.083	0.000	98	342832	10.6	10.5	
* 74 Chlorobenzene-d5	117	18.007	18.007	0.000	94	1118676	20.0	20.0	
75 Chlorobenzene	112	18.071	18.071	0.000	88	494381	10.5	10.3	
76 Ethylbenzene	91	18.236	18.236	0.000	99	906850	10.2	10.0	
77 n-Nonane	57	18.434	18.434	0.000	94	568319	10.5	10.3	
78 m-Xylene & p-Xylene	106	18.492	18.492	0.000	0	646804	20.6	20.1	
79 o-Xylene	106	19.325	19.325	0.000	97	313150	10.4	10.2	
80 Styrene	104	19.373	19.373	0.000	97	522895	10.3	10.6	
81 Bromoform	173	19.800	19.800	0.000	94	345707	10.3	10.4	
82 Isopropylbenzene	105	20.061	20.061	0.000	98	964514	10.4	10.2	
S 73 Xylenes, Total	106				0		30.9	30.3	
84 1,1,2,2-Tetrachloroethane	83	20.739	20.739	0.000	98	528577	10.3	10.0	
85 N-Propylbenzene	91	20.830	20.830	0.000	98	1238548	10.4	10.0	
86 1,2,3-Trichloropropane	75	20.830	20.830	0.000	93	463608	10.6	10.2	
89 2-Chlorotoluene	91	21.027	21.027	0.000	95	879836	10.4	10.0	
88 4-Ethyltoluene	105	21.033	21.033	0.000	97	981273	10.3	10.1	
87 n-Decane	57	21.070	21.070	0.000	85	747170	10.4	10.2	
90 1,3,5-Trimethylbenzene	105	21.145	21.145	0.000	90	809735	10.4	10.2	
91 Alpha Methyl Styrene	118	21.529	21.529	0.000	83	401442	10.2	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
92 tert-Butylbenzene	119	21.657	21.657	0.000	90	748005	10.4	10.1	
93 1,2,4-Trimethylbenzene	105	21.753	21.753	0.000	99	825948	10.4	10.3	
94 sec-Butylbenzene	105	21.999	21.999	0.000	98	1200829	10.5	10.2	a
95 4-Isopropyltoluene	119	22.207	22.207	0.000	96	980289	10.3	10.1	
96 1,3-Dichlorobenzene	146	22.223	22.223	0.000	98	525796	10.6	10.3	
97 1,4-Dichlorobenzene	146	22.362	22.362	0.000	92	521672	10.5	10.2	
98 Benzyl chloride	91	22.554	22.554	0.000	96	887446	10.6	10.9	
100 n-Butylbenzene	91	22.783	22.783	0.000	97	1052099	10.4	10.1	
99 Undecane	57	22.847	22.847	0.000	91	851981	10.5	10.4	
101 1,2-Dichlorobenzene	146	22.885	22.885	0.000	93	493929	10.4	10.1	
102 Dodecane	57	24.363	24.363	0.000	89	855330	9.36	10.5	
103 1,2,4-Trichlorobenzene	180	25.260	25.260	0.000	93	460876	10.9	10.9	
104 Hexachlorobutadiene	225	25.457	25.457	0.000	97	423566	10.3	10.5	
105 Naphthalene	128	25.687	25.687	0.000	98	935675	9.72	9.38	
106 1,2,3-Trichlorobenzene	180	26.135	26.135	0.000	95	380003	9.12	9.38	
123 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

a - User Assigned ID

Reagents:

ATTO15CAL4w_00739

Amount Added: 200.00

Units: mL

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 19-Feb-2020 09:38:32

Chrom Revision: 2.3 13-Feb-2020 09:36:32

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-08.D

Injection Date: 18-Feb-2020 22:08:30

Instrument ID: CHC.i

Operator ID: ggg

Lims ID: icis

Worklist Smp#: 8

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

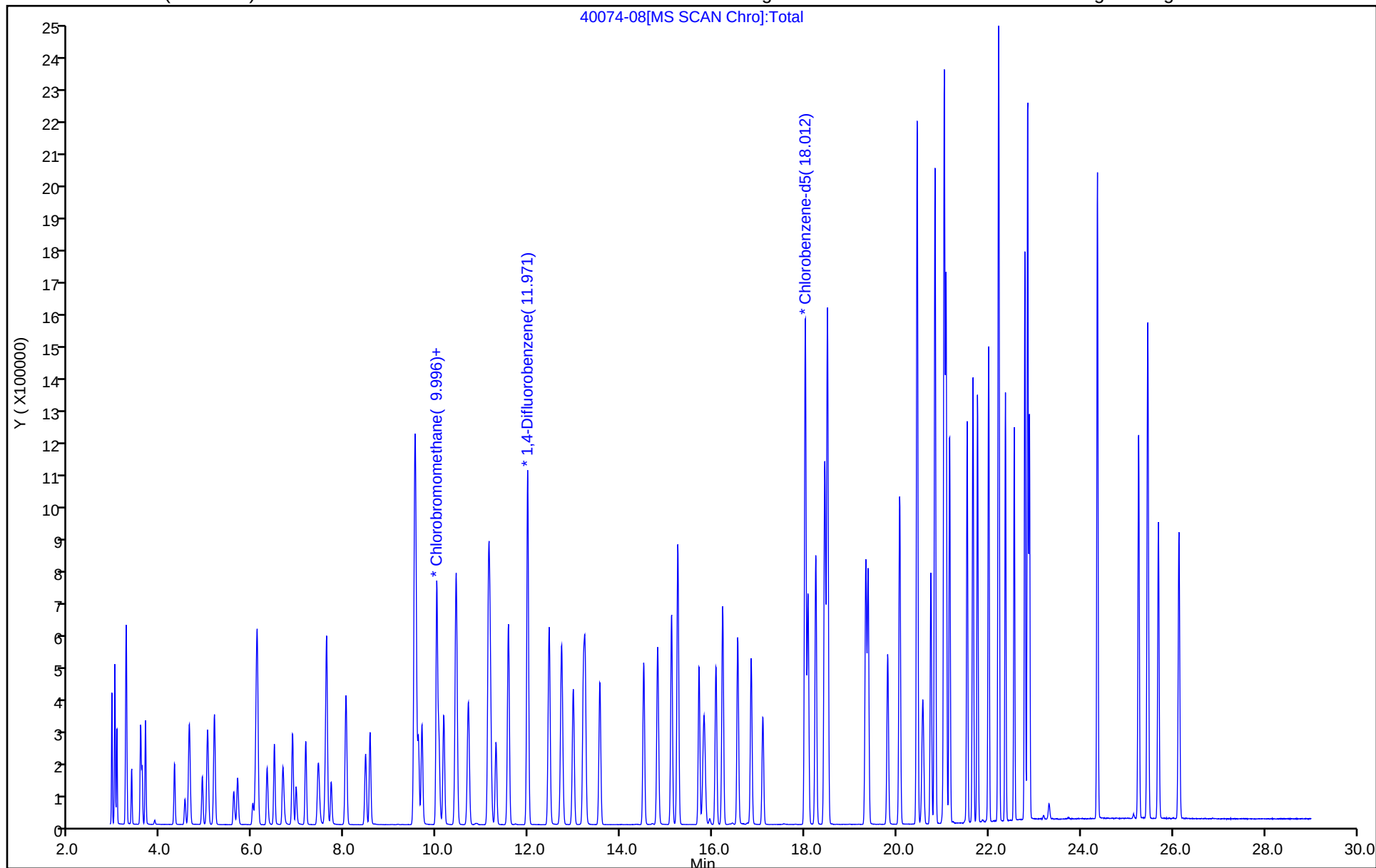
ALS Bottle#: 8

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-08.D

Injection Date: 18-Feb-2020 22:08:30

Instrument ID: CHC.i

Lims ID: icis

Client ID:

Operator ID: ggg

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

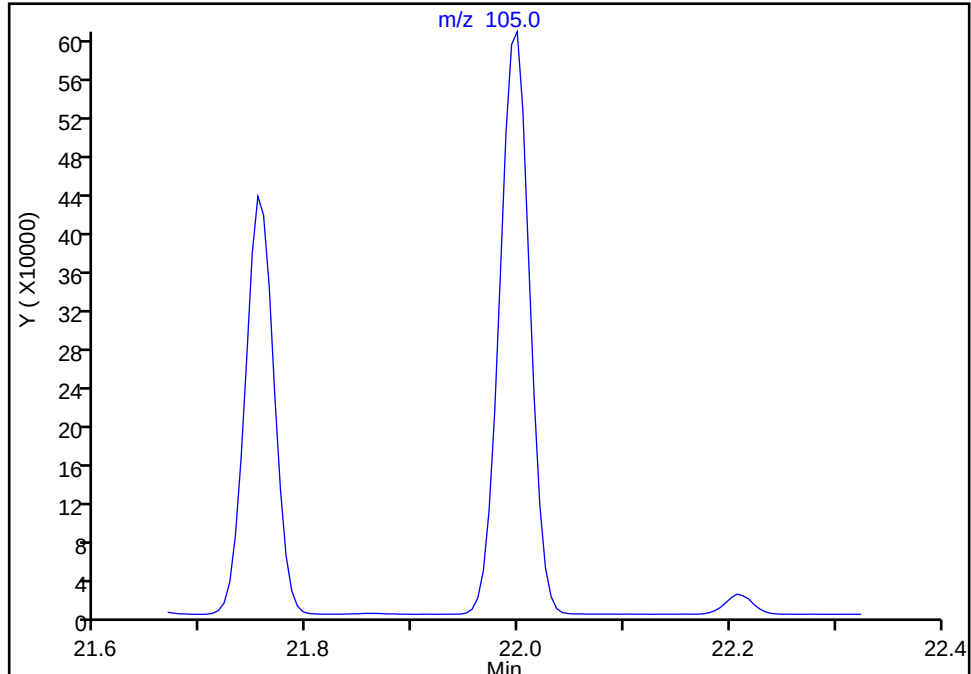
94 sec-Butylbenzene, CAS: 135-98-8

Signal: 1

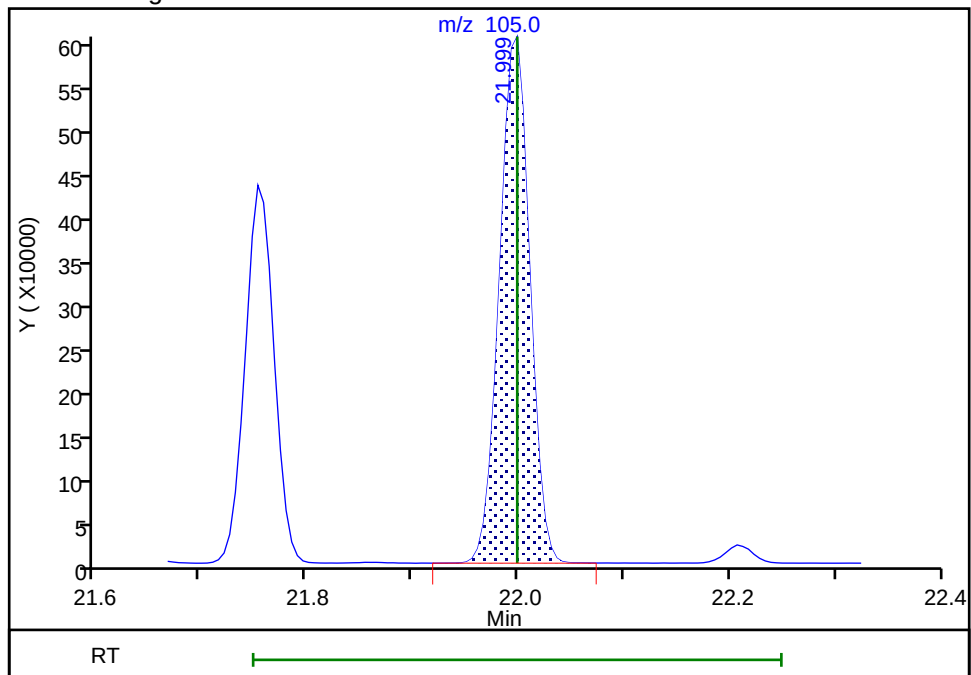
Not Detected

Expected RT: 22.00

Processing Integration Results



Manual Integration Results



RT: 22.00

Area: 1200829

Amount: 10.215508

Amount Units: ppb v/v

Reviewer: bourdeaut, 19-Feb-2020 08:34:07

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-09.D

Lims ID: ic

Client ID:

Sample Type: IC

Calib Level: 6

Inject. Date: 18-Feb-2020 23:03:30

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Sample Info: 200-0040074-009

Misc. Info.: ic-06

Operator ID: ggg

Instrument ID: CHC.i

Sublist: chrom-TO15_MasterMethod_(v1)_CHC.i*sub10

Method: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\TO15_MasterMethod_(v1)_CHC.i.m

Limit Group: AI_TO15_ICAL

Last Update: 19-Feb-2020 09:38:39

Calib Date: 19-Feb-2020 02:47:30

Integrator: RTE

ID Type: Deconvolution ID

Quant Method: Internal Standard

Quant By: Initial Calibration

Last ICal File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-13.D

Column 1 : RTX-624 (0.32 mm)

Det: MS SCAN

Process Host: CTX0313

First Level Reviewer: bourdeaut

Date: 19-Feb-2020 08:40:11

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	2.925	2.930	-0.005	97	258767	15.5	15.5	M
2 Dichlorodifluoromethane	85	2.994	2.994	0.000	99	635803	15.7	15.7	
3 Chlorodifluoromethane	51	3.037	3.042	-0.005	98	467015	15.7	15.4	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.240	3.239	0.001	95	629569	15.6	15.2	
5 Chloromethane	50	3.357	3.362	-0.005	99	254736	16.4	16.0	
6 Butane	43	3.554	3.554	0.000	97	442775	15.5	14.9	
7 Vinyl chloride	62	3.586	3.586	0.000	98	255609	15.6	14.8	
8 Butadiene	54	3.661	3.661	0.000	93	202633	15.2	14.6	
10 Bromomethane	94	4.291	4.291	0.000	99	208610	15.5	15.1	
11 Chloroethane	64	4.515	4.520	-0.005	99	120555	15.6	15.5	
12 2-Methylbutane	43	4.611	4.616	-0.005	92	304615	15.7	14.3	
13 Vinyl bromide	106	4.894	4.899	-0.005	98	199038	15.6	15.5	
14 Trichlorofluoromethane	101	5.006	5.011	-0.005	98	574131	15.8	15.6	
16 Pentane	43	5.156	5.161	-0.005	98	503224	15.2	14.7	
17 Ethanol	45	5.577	5.582	-0.005	98	204506	20.0	19.6	
18 Ethyl ether	59	5.663	5.668	-0.005	91	174333	15.1	15.1	
19 Acrolein	56	5.993	5.993	0.000	97	108243	14.6	13.0	
20 1,1,2-Trichloro-1,2,2-trif	101	6.073	6.079	-0.006	95	452606	15.7	15.5	
21 1,1-Dichloroethene	96	6.095	6.095	0.000	95	210409	15.4	15.1	
22 Acetone	43	6.303	6.308	-0.005	100	470669	15.4	15.2	
23 Carbon disulfide	76	6.463	6.463	0.000	100	658038	15.2	15.2	
24 Isopropyl alcohol	45	6.650	6.650	0.000	100	543155	15.3	15.6	
25 3-Chloro-1-propene	41	6.858	6.858	0.000	95	424410	16.0	14.9	
26 Acetonitrile	41	6.938	6.938	0.000	98	229395	14.9	14.9	
27 Methylene Chloride	49	7.146	7.146	0.000	96	338860	15.4	15.1	
28 2-Methyl-2-propanol	59	7.418	7.418	0.000	96	578579	16.2	16.4	
29 Methyl tert-butyl ether	73	7.589	7.589	0.000	96	714852	15.7	15.3	
31 trans-1,2-Dichloroethene	61	7.600	7.600	0.000	94	400370	15.3	15.1	
32 Acrylonitrile	53	7.696	7.701	-0.005	93	197418	15.2	15.2	
33 Hexane	57	8.021	8.021	0.000	93	416585	15.9	15.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.448	8.448	0.000	99	480847	15.0	14.4	
35 Vinyl acetate	43	8.544	8.544	0.000	100	932580	15.6	15.5	
37 cis-1,2-Dichloroethene	96	9.548	9.548	0.000	97	245324	15.2	15.1	
38 2-Butanone (MEK)	72	9.596	9.596	0.000	97	132660	15.5	15.2	
39 Ethyl acetate	88	9.671	9.676	-0.005	98	21234	15.2	15.4	
* 40 Chlorobromomethane	128	9.996	9.996	0.000	95	228225	20.0	20.0	
41 Tetrahydrofuran	42	10.033	10.039	-0.006	92	433707	15.0	14.9	
42 Chloroform	83	10.146	10.151	-0.005	95	564965	15.2	14.9	
S 30 1,2-Dichloroethene, Total	61				0		30.5	30.2	
43 Cyclohexane	84	10.418	10.412	0.006	90	343185	15.2	15.0	
44 1,1,1-Trichloroethane	97	10.418	10.418	0.000	95	582620	15.3	15.2	
45 Carbon tetrachloride	117	10.679	10.684	-0.005	96	578338	15.2	15.6	
47 Benzene	78	11.117	11.122	-0.005	98	854734	15.5	15.1	
46 Isooctane	57	11.149	11.149	0.000	96	1642856	15.7	15.3	
48 1,2-Dichloroethane	62	11.282	11.282	0.000	97	470066	15.5	15.6	
49 n-Heptane	43	11.554	11.554	0.000	96	786094	15.8	14.9	
* 50 1,4-Difluorobenzene	114	11.971	11.971	0.000	98	1186339	20.0	20.0	
52 n-Butanol	56	12.419	12.424	-0.005	97	259324	14.3	14.7	
53 Trichloroethene	95	12.440	12.440	0.000	91	371687	15.8	15.6	
54 1,2-Dichloropropane	63	12.963	12.963	0.000	83	378135	15.5	15.3	
55 Methyl methacrylate	69	13.182	13.187	-0.005	86	354895	15.2	15.3	
57 Dibromomethane	174	13.225	13.225	0.000	95	312967	15.5	15.3	
56 1,4-Dioxane	88	13.225	13.225	0.000	96	181341	15.9	16.2	
58 Dichlorobromomethane	83	13.540	13.545	-0.005	97	692502	15.9	15.9	
60 cis-1,3-Dichloropropene	75	14.495	14.495	0.000	96	617937	15.6	15.8	
61 4-Methyl-2-pentanone (MIBK)	43	14.799	14.799	0.000	98	1115585	15.4	15.2	
65 Toluene	92	15.104	15.103	0.001	92	618002	15.2	15.1	
64 n-Octane	43	15.237	15.237	0.000	99	1169846	15.5	15.0	
66 trans-1,3-Dichloropropene	75	15.701	15.701	0.000	93	562578	14.8	15.1	
67 1,1,2-Trichloroethane	83	16.069	16.064	0.005	96	325300	15.7	15.6	
68 Tetrachloroethene	166	16.214	16.214	0.000	94	466665	15.8	15.8	
69 2-Hexanone	43	16.539	16.539	0.000	90	1082899	15.0	14.3	
71 Chlorodibromomethane	129	16.838	16.833	0.005	96	587914	14.5	14.5	
72 Ethylene Dibromide	107	17.089	17.083	0.006	98	547764	15.9	16.2	
* 74 Chlorobenzene-d5	117	18.012	18.007	0.005	94	1161559	20.0	20.0	
75 Chlorobenzene	112	18.071	18.071	0.000	87	780279	15.7	15.6	
76 Ethylbenzene	91	18.242	18.236	0.006	99	1438182	15.3	15.3	
77 n-Nonane	57	18.434	18.434	0.000	94	899806	15.7	15.7	
78 m-Xylene & p-Xylene	106	18.492	18.492	0.000	0	1026565	30.8	30.8	
79 o-Xylene	106	19.325	19.325	0.000	97	498787	15.5	15.6	
80 Styrene	104	19.378	19.373	0.005	97	826410	15.5	16.1	
81 Bromoform	173	19.805	19.800	0.005	95	499874	15.4	14.5	
82 Isopropylbenzene	105	20.061	20.061	0.000	98	1532693	15.6	15.6	
S 73 Xylenes, Total	106				0		46.4	46.4	
84 1,1,2,2-Tetrachloroethane	83	20.739	20.739	0.000	98	864561	15.5	15.8	
85 N-Propylbenzene	91	20.830	20.830	0.000	97	2000220	15.6	15.6	
86 1,2,3-Trichloropropane	75	20.830	20.830	0.000	93	750194	15.9	15.8	
89 2-Chlorotoluene	91	21.027	21.027	0.000	96	1415539	15.7	15.6	
88 4-Ethyltoluene	105	21.033	21.033	0.000	98	1583990	15.5	15.7	
87 n-Decane	57	21.070	21.070	0.000	85	1193886	15.6	15.8	
90 1,3,5-Trimethylbenzene	105	21.150	21.145	0.005	90	1302746	15.6	15.8	
91 Alpha Methyl Styrene	118	21.529	21.529	0.000	83	638759	15.3	16.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
92 tert-Butylbenzene	119	21.657	21.657	0.000	90	1188213	15.5	15.4	
93 1,2,4-Trimethylbenzene	105	21.753	21.753	0.000	99	1315184	15.6	15.8	
94 sec-Butylbenzene	105	21.999	21.999	0.000	98	1922983	15.7	15.8	a
95 4-Isopropyltoluene	119	22.212	22.207	0.005	96	1570936	15.5	15.5	
96 1,3-Dichlorobenzene	146	22.223	22.223	0.000	98	831107	15.9	15.7	
97 1,4-Dichlorobenzene	146	22.362	22.362	0.000	90	819799	15.7	15.5	
98 Benzyl chloride	91	22.554	22.554	0.000	96	1399475	15.9	16.6	
100 n-Butylbenzene	91	22.783	22.783	0.000	97	1668913	15.6	15.5	
99 Undecane	57	22.847	22.847	0.000	91	1347331	15.7	15.8	
101 1,2-Dichlorobenzene	146	22.885	22.885	0.000	92	777445	15.7	15.3	
102 Dodecane	57	24.363	24.363	0.000	89	1307132	14.0	15.4	
103 1,2,4-Trichlorobenzene	180	25.260	25.260	0.000	93	702563	16.3	15.9	
104 Hexachlorobutadiene	225	25.457	25.457	0.000	97	653469	15.4	15.7	
105 Naphthalene	128	25.687	25.687	0.001	98	1382650	14.6	13.3	
106 1,2,3-Trichlorobenzene	180	26.135	26.135	0.000	93	578559	13.7	13.7	
123 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ATTO15CAL5w_00092

Amount Added: 200.00

Units: mL

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 19-Feb-2020 09:38:41

Chrom Revision: 2.3 13-Feb-2020 09:36:32

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-09.D

Injection Date: 18-Feb-2020 23:03:30

Instrument ID: CHC.i

Operator ID: ggg

Lims ID: ic

Worklist Smp#: 9

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

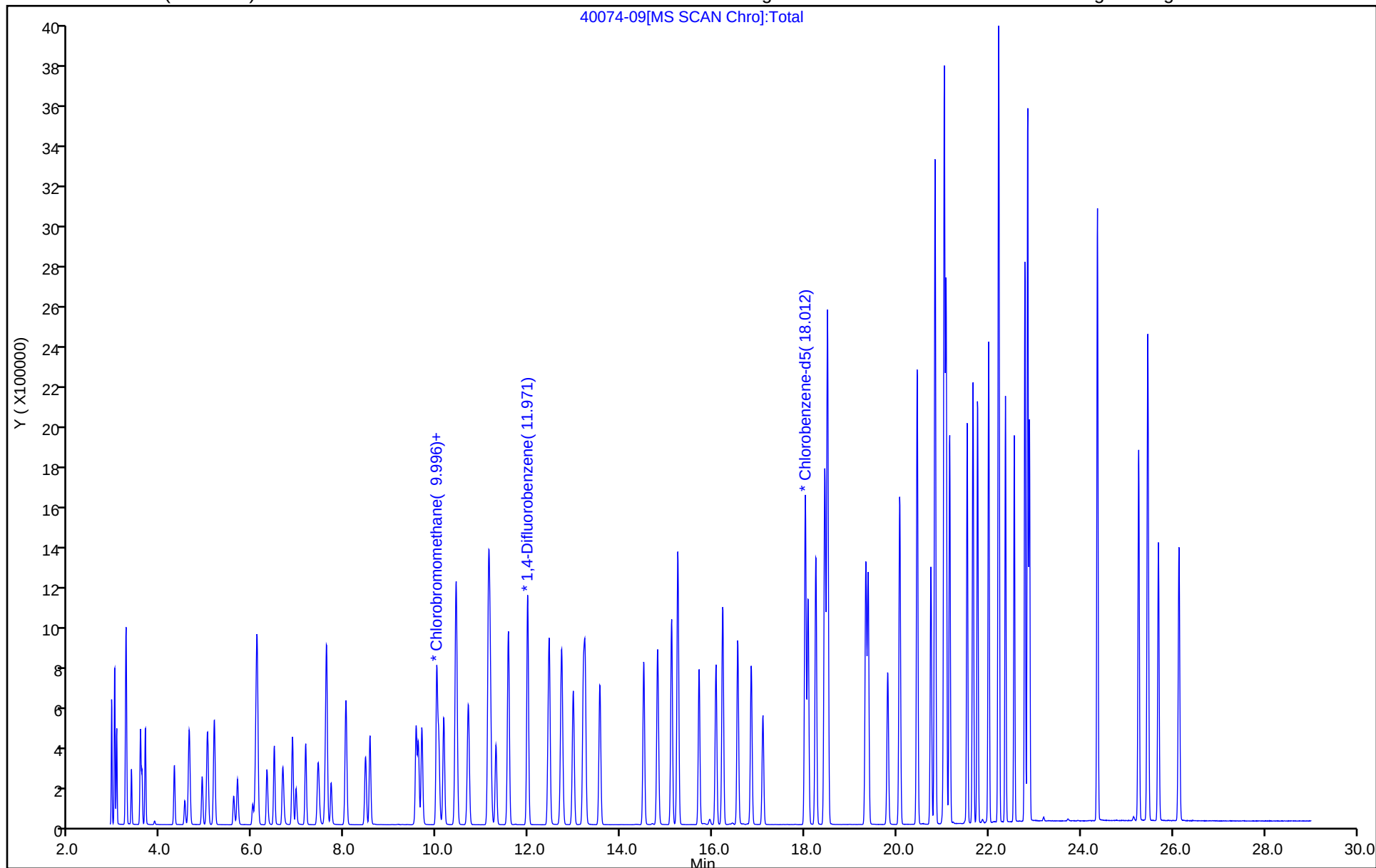
ALS Bottle#: 9

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

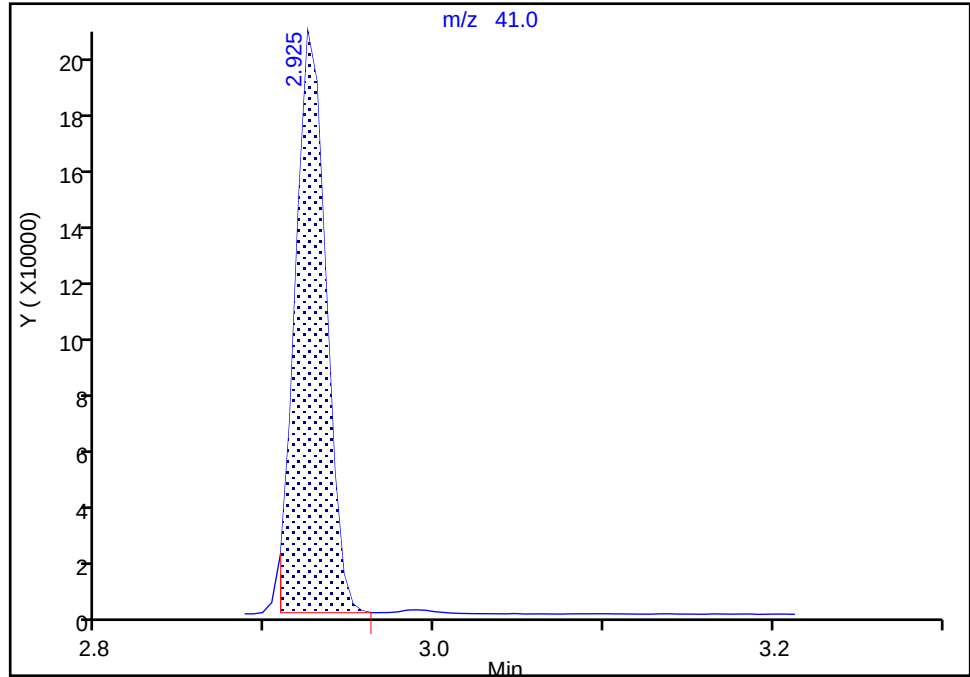
Data File:	\\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-09.D		
Injection Date:	18-Feb-2020 23:03:30	Instrument ID:	CHC.i
Lims ID:	ic		
Client ID:			
Operator ID:	ggg	ALS Bottle#:	9 Worklist Smp#: 9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN

1 Propene, CAS: 115-07-1

Signal: 1

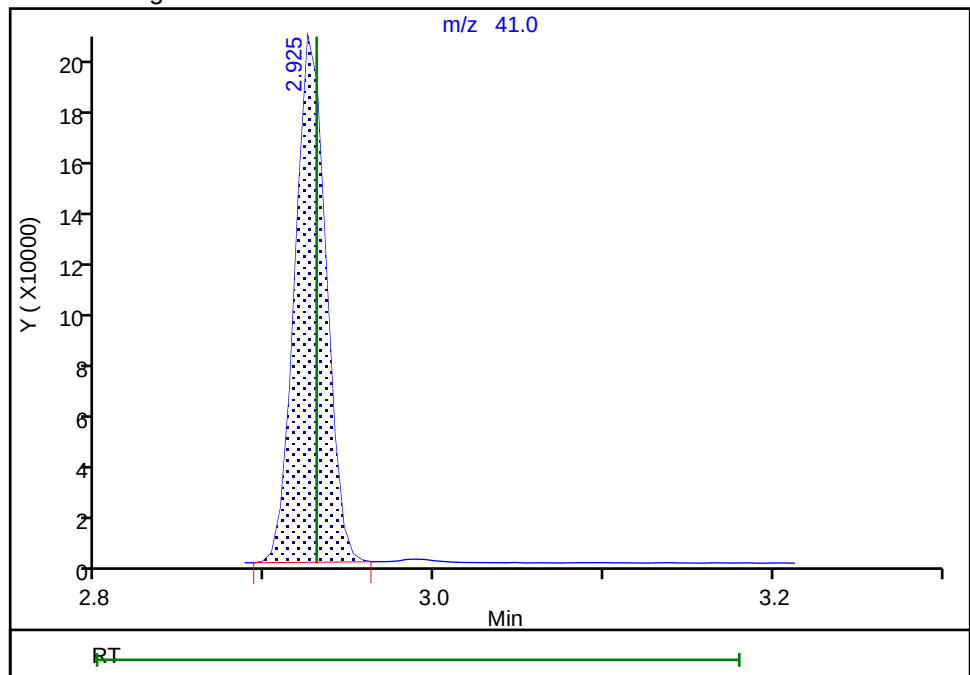
RT: 2.92
Area: 256874
Amount: 10.604047
Amount Units: ppb v/v

Processing Integration Results



RT: 2.92
Area: 258767
Amount: 15.518746
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bourdeaut, 19-Feb-2020 08:39:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-09.D

Injection Date: 18-Feb-2020 23:03:30

Instrument ID: CHC.i

Lims ID: ic

Client ID:

Operator ID: ggg

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

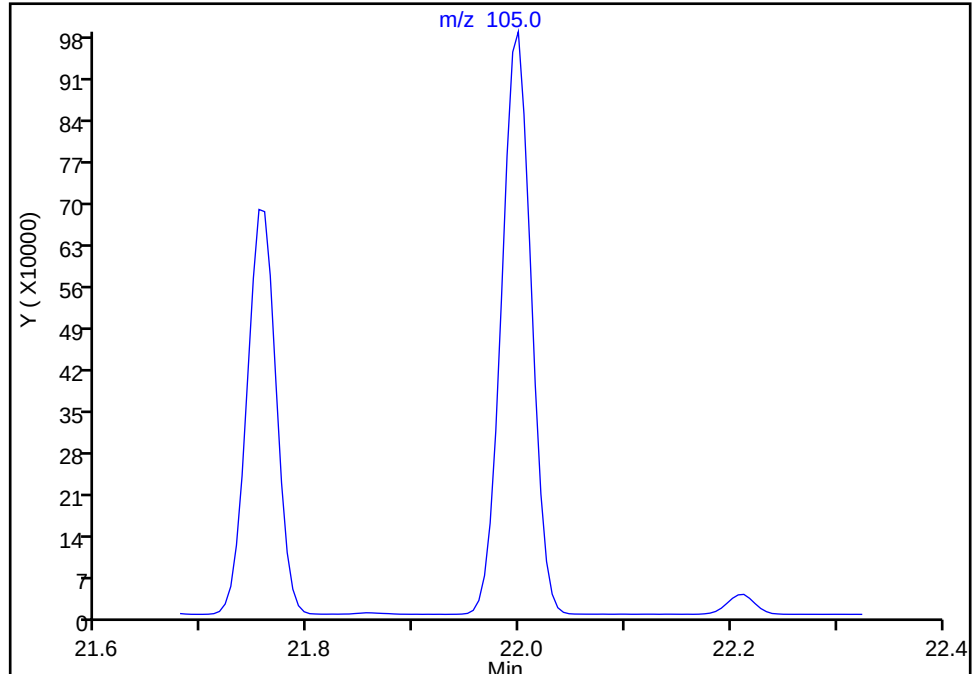
94 sec-Butylbenzene, CAS: 135-98-8

Signal: 1

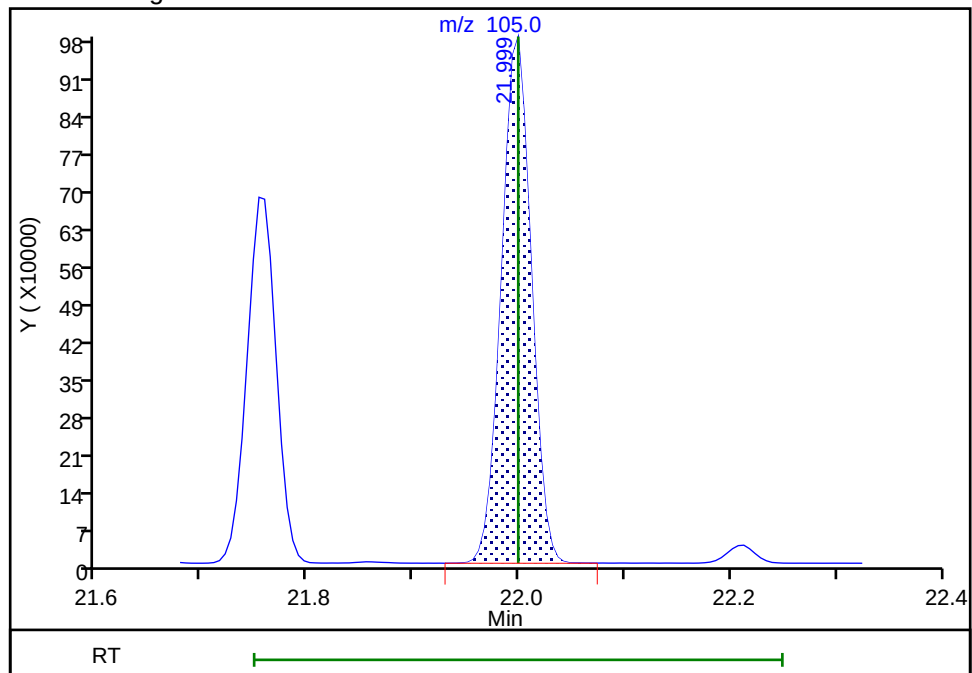
Not Detected

Expected RT: 22.00

Processing Integration Results



Manual Integration Results



RT: 22.00

Area: 1922983

Amount: 15.754960

Amount Units: ppb v/v

Reviewer: bourdeaut, 19-Feb-2020 08:40:02

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-12.D

Lims ID: ic

Client ID:

Sample Type: IC

Calib Level: 7

Inject. Date: 19-Feb-2020 01:54:30

ALS Bottle#: 12

Worklist Smp#: 12

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Sample Info: 200-0040074-012

Misc. Info.: ic-07

Operator ID: ggg

Instrument ID: CHC.i

Sublist: chrom-TO15_MasterMethod_(v1)_CHC.i*sub10

Method: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\TO15_MasterMethod_(v1)_CHC.i.m

Limit Group: AI_TO15_ICAL

Last Update: 19-Feb-2020 09:37:33

Calib Date: 19-Feb-2020 02:47:30

Integrator: RTE

ID Type: Deconvolution ID

Quant Method: Internal Standard

Quant By: Initial Calibration

Last ICal File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-13.D

Column 1 : RTX-624 (0.32 mm)

Det: MS SCAN

Process Host: CTX0313

First Level Reviewer: bourdeaut

Date: 19-Feb-2020 08:41:03

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	2.930	2.930	0.000	97	338029	20.6	19.9	M
2 Dichlorodifluoromethane	85	2.994	2.994	0.000	99	858518	20.9	20.8	
3 Chlorodifluoromethane	51	3.037	3.042	-0.005	98	618434	21.0	20.0	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.240	3.240	0.000	96	851556	20.8	20.2	
5 Chloromethane	50	3.357	3.362	-0.005	99	337126	21.8	20.7	
6 Butane	43	3.554	3.554	0.000	97	580997	20.7	19.2	
7 Vinyl chloride	62	3.586	3.586	0.000	98	341706	20.8	19.5	
8 Butadiene	54	3.661	3.661	0.000	94	273014	20.2	19.3	
10 Bromomethane	94	4.291	4.291	0.000	99	280199	20.6	19.9	
11 Chloroethane	64	4.520	4.520	0.000	99	159226	20.8	20.1	
12 2-Methylbutane	43	4.616	4.617	0.000	93	392956	20.9	18.1	
13 Vinyl bromide	106	4.899	4.899	0.000	98	267603	20.8	20.5	
14 Trichlorofluoromethane	101	5.011	5.011	0.000	98	769019	21.1	20.5	
16 Pentane	43	5.161	5.161	0.000	98	666303	20.3	19.1	
17 Ethanol	45	5.582	5.582	0.000	98	369032	40.0	34.7	
18 Ethyl ether	59	5.668	5.668	0.000	92	230955	20.2	19.7	
19 Acrolein	56	5.993	5.993	0.000	97	138799	19.4	16.3	
20 1,1,2-Trichloro-1,2,2-trif	101	6.079	6.073	0.006	96	609136	21.0	20.5	
21 1,1-Dichloroethene	96	6.095	6.095	0.000	93	280450	20.6	19.7	
22 Acetone	43	6.303	6.308	-0.005	100	621473	20.5	19.7	
23 Carbon disulfide	76	6.463	6.463	0.000	100	890982	20.3	20.2	
24 Isopropyl alcohol	45	6.650	6.650	0.000	100	701870	20.4	19.7	
25 3-Chloro-1-propene	41	6.863	6.858	0.005	95	564312	21.3	19.5	
26 Acetonitrile	41	6.938	6.938	0.000	98	306108	19.8	19.5	
27 Methylene Chloride	49	7.146	7.146	0.000	96	450552	20.6	19.7	
28 2-Methyl-2-propanol	59	7.418	7.418	0.000	96	763792	21.6	21.2	
29 Methyl tert-butyl ether	73	7.589	7.589	0.000	97	959046	20.9	20.1	
31 trans-1,2-Dichloroethene	61	7.605	7.600	0.005	94	531726	20.4	19.6	
32 Acrylonitrile	53	7.701	7.701	0.000	93	264607	20.2	20.0	
33 Hexane	57	8.021	8.021	0.000	92	554246	21.2	19.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.448	8.448	0.000	99	644835	20.0	19.0	
35 Vinyl acetate	43	8.544	8.544	0.000	100	1243873	20.8	20.3	
37 cis-1,2-Dichloroethene	96	9.548	9.548	0.000	97	333155	20.2	20.1	
38 2-Butanone (MEK)	72	9.596	9.596	0.000	98	178535	20.7	20.1	
39 Ethyl acetate	88	9.676	9.676	0.000	98	28536	20.3	20.3	
* 40 Chlorobromomethane	128	9.996	9.996	0.000	95	232638	20.0	20.0	
41 Tetrahydrofuran	42	10.033	10.039	-0.006	92	580712	20.0	19.6	
42 Chloroform	83	10.151	10.146	0.005	95	765059	20.2	19.8	
S 30 1,2-Dichloroethene, Total	61				0		40.6	39.8	
43 Cyclohexane	84	10.418	10.412	0.006	89	463127	20.3	19.9	
44 1,1,1-Trichloroethane	97	10.418	10.418	0.000	95	782314	20.4	20.0	
45 Carbon tetrachloride	117	10.685	10.679	0.006	96	780926	20.3	20.7	
47 Benzene	78	11.122	11.117	0.005	98	1148543	20.7	19.8	
46 Isooctane	57	11.149	11.149	0.000	96	2210510	20.9	20.3	
48 1,2-Dichloroethane	62	11.282	11.282	0.000	96	627545	20.7	20.4	
49 n-Heptane	43	11.554	11.554	0.000	96	1048220	21.0	19.5	
* 50 1,4-Difluorobenzene	114	11.976	11.971	0.005	98	1209446	20.0	20.0	
52 n-Butanol	56	12.419	12.424	-0.005	97	341811	19.1	19.0	
53 Trichloroethene	95	12.446	12.440	0.006	91	498688	21.1	20.5	
54 1,2-Dichloropropane	63	12.963	12.963	0.000	83	506247	20.6	20.1	
55 Methyl methacrylate	69	13.188	13.182	0.006	86	484875	20.3	20.5	
57 Dibromomethane	174	13.220	13.220	0.000	94	422444	20.6	20.2	
56 1,4-Dioxane	88	13.225	13.225	0.000	97	234762	21.2	20.6	
58 Dichlorobromomethane	83	13.540	13.540	0.000	97	941008	21.1	21.2	
60 cis-1,3-Dichloropropene	75	14.500	14.495	0.005	96	835054	20.8	20.9	
61 4-Methyl-2-pentanone (MIBK)	43	14.799	14.799	0.000	98	1510545	20.5	20.2	
65 Toluene	92	15.104	15.098	0.006	92	833060	20.3	20.1	
64 n-Octane	43	15.237	15.237	0.000	99	1570031	20.7	19.7	
66 trans-1,3-Dichloropropene	75	15.701	15.701	0.000	93	763652	19.8	20.1	
67 1,1,2-Trichloroethane	83	16.069	16.064	0.005	96	441187	21.0	20.9	
68 Tetrachloroethene	166	16.214	16.214	0.000	93	629492	21.0	21.0	
69 2-Hexanone	43	16.539	16.539	0.000	89	1482854	20.0	19.3	
71 Chlorodibromomethane	129	16.838	16.833	0.005	96	830687	19.4	20.2	
72 Ethylene Dibromide	107	17.089	17.089	0.000	98	737493	21.2	21.5	
* 74 Chlorobenzene-d5	117	18.012	18.007	0.005	93	1178726	20.0	20.0	
75 Chlorobenzene	112	18.071	18.071	0.000	87	1052024	21.0	20.7	
76 Ethylbenzene	91	18.242	18.236	0.006	99	1943096	20.4	20.3	
77 n-Nonane	57	18.434	18.428	0.006	94	1218273	21.0	21.0	
78 m-Xylene & p-Xylene	106	18.492	18.492	0.000	0	1392467	41.1	41.1	
79 o-Xylene	106	19.325	19.325	0.000	97	672305	20.7	20.7	
80 Styrene	104	19.378	19.373	0.005	96	1130528	20.6	21.7	
81 Bromoform	173	19.800	19.800	0.000	94	821829	20.6	23.6	
82 Isopropylbenzene	105	20.061	20.062	-0.001	98	2065669	20.9	20.8	
S 73 Xylenes, Total	106				0		61.8	61.9	
84 1,1,2,2-Tetrachloroethane	83	20.739	20.739	0.000	98	1165852	20.7	21.0	
85 N-Propylbenzene	91	20.835	20.830	0.005	98	2702870	20.8	20.8	
86 1,2,3-Trichloropropane	75	20.830	20.830	0.000	93	1016122	21.2	21.1	
89 2-Chlorotoluene	91	21.027	21.027	0.000	96	1933382	20.9	20.9	
88 4-Ethyltoluene	105	21.033	21.033	0.000	98	2164977	20.7	21.1	
87 n-Decane	57	21.070	21.070	0.000	85	1611971	20.8	21.0	
90 1,3,5-Trimethylbenzene	105	21.150	21.150	0.000	90	1779180	20.8	21.3	
91 Alpha Methyl Styrene	118	21.529	21.529	0.000	83	884566	20.4	21.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
92 tert-Butylbenzene	119	21.657	21.657	0.000	88	1610603	20.7	20.6	
93 1,2,4-Trimethylbenzene	105	21.759	21.753	0.006	99	1785154	20.8	21.1	
94 sec-Butylbenzene	105	21.999	21.993	0.006	98	2597477	20.9	21.0	a
95 4-Isopropyltoluene	119	22.212	22.207	0.005	96	2141554	20.6	20.8	
96 1,3-Dichlorobenzene	146	22.223	22.223	0.000	96	1141130	21.2	21.2	
97 1,4-Dichlorobenzene	146	22.362	22.362	0.000	90	1131060	20.9	21.0	
98 Benzyl chloride	91	22.554	22.554	0.000	96	1924233	21.2	22.4	
100 n-Butylbenzene	91	22.783	22.783	0.000	97	2276943	20.8	20.8	
99 Undecane	57	22.847	22.842	0.005	92	1819300	20.9	21.1	
101 1,2-Dichlorobenzene	146	22.885	22.885	0.000	92	1057989	20.9	20.5	
102 Dodecane	57	24.363	24.363	0.000	89	1699418	18.7	19.7	
103 1,2,4-Trichlorobenzene	180	25.260	25.260	0.000	93	964097	21.7	21.6	
104 Hexachlorobutadiene	225	25.457	25.457	0.000	97	865742	20.5	20.5	
105 Naphthalene	128	25.692	25.687	0.005	98	1952138	19.4	18.6	
106 1,2,3-Trichlorobenzene	180	26.135	26.135	0.000	93	774065	18.2	18.1	
123 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ATTO15CAL6w_00174

Amount Added: 200.00

Units: mL

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 19-Feb-2020 09:37:35

Chrom Revision: 2.3 13-Feb-2020 09:36:32

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-12.D

Injection Date: 19-Feb-2020 01:54:30

Instrument ID: CHC.i

Operator ID: ggg

Lims ID: ic

Worklist Smp#: 12

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

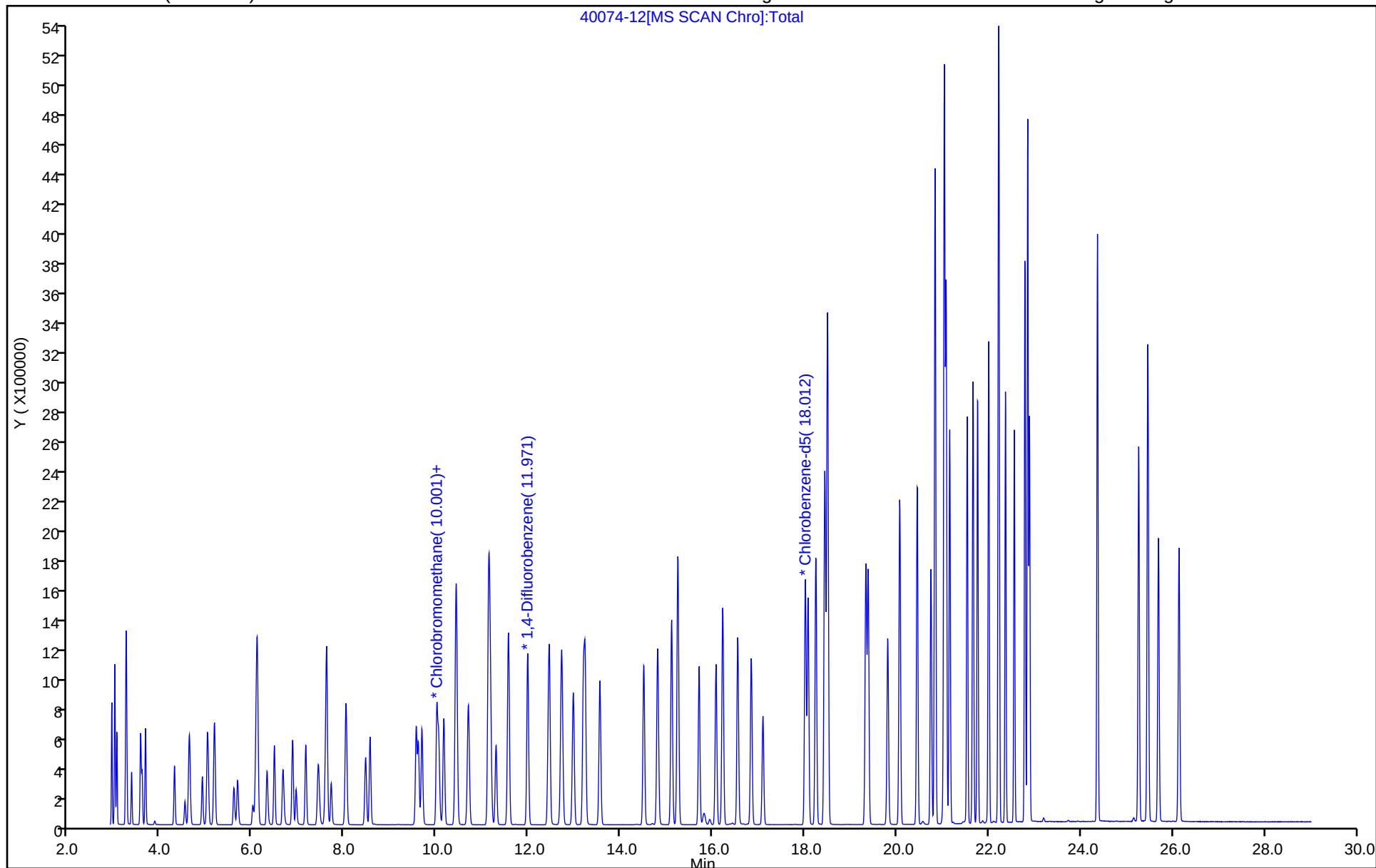
ALS Bottle#: 12

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

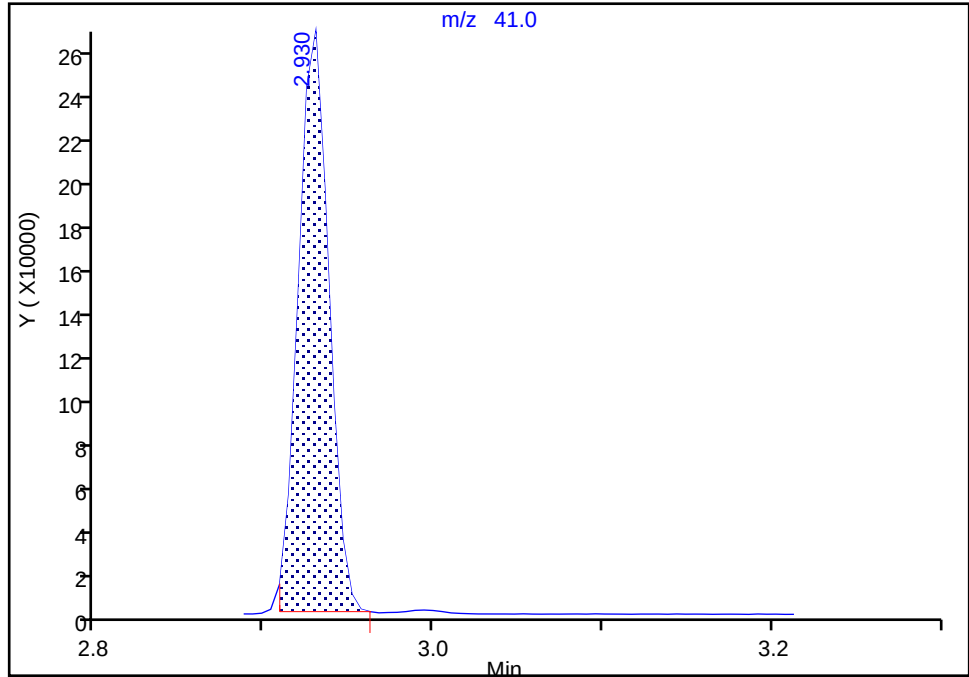
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Injection Date: 19-Feb-2020 01:54:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: ggg ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

1 Propene, CAS: 115-07-1

Signal: 1

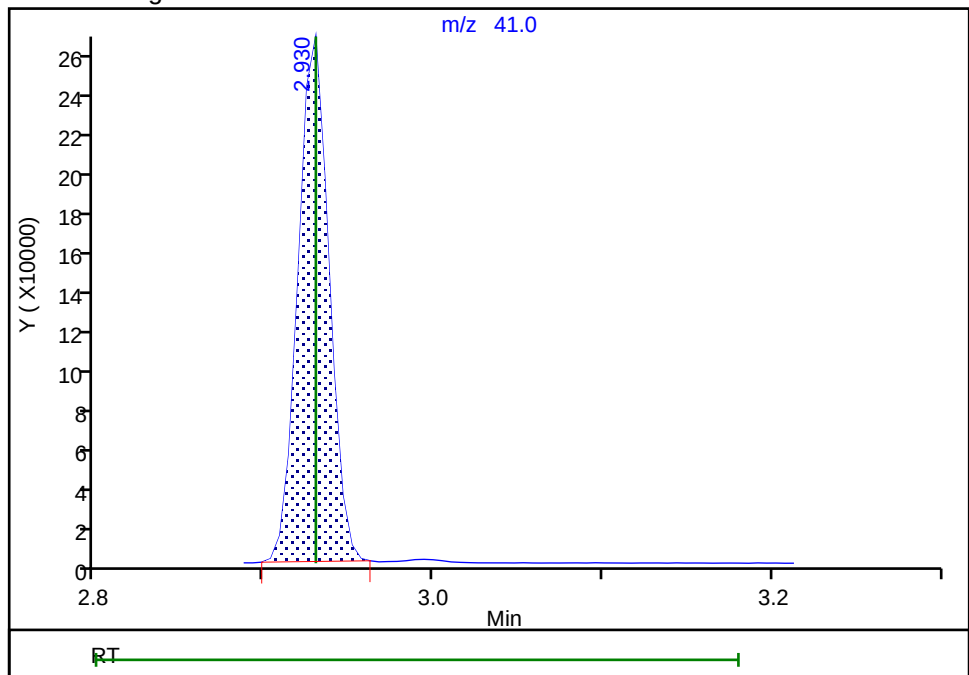
RT: 2.93
Area: 336382
Amount: 13.614225
Amount Units: ppb v/v

Processing Integration Results



RT: 2.93
Area: 338029
Amount: 19.887686
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bourdeaut, 19-Feb-2020 08:40:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

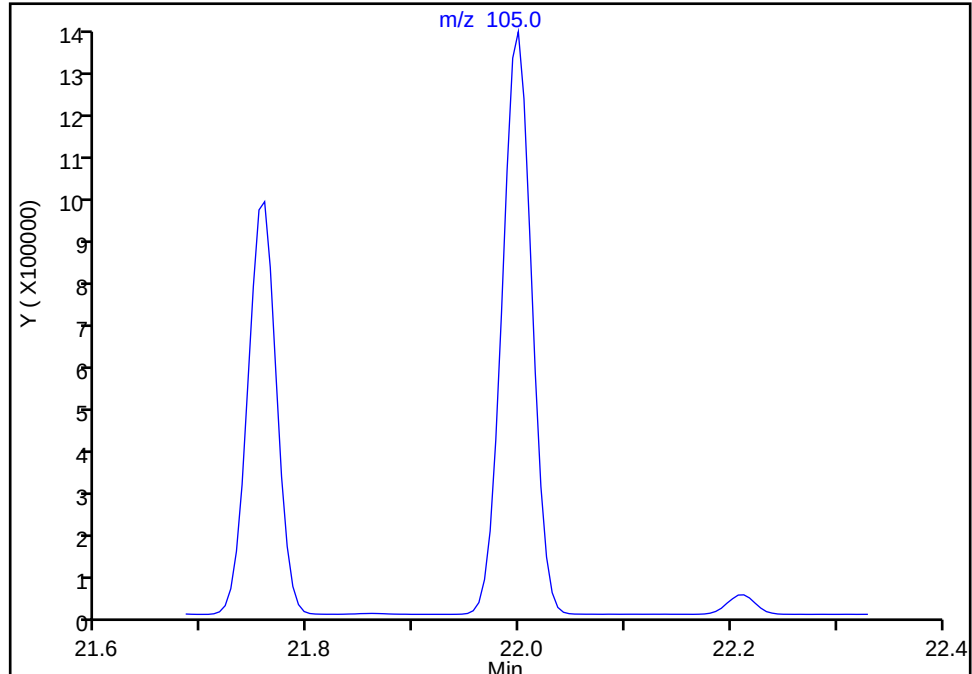
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Injection Date: 19-Feb-2020 01:54:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: ggg ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

94 sec-Butylbenzene, CAS: 135-98-8

Signal: 1

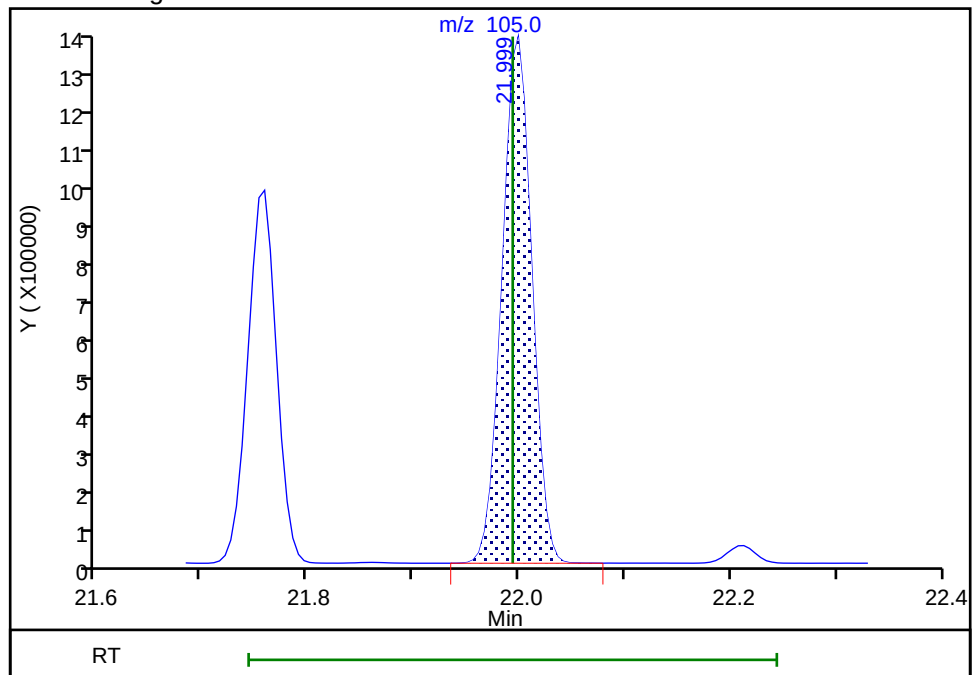
Not Detected
Expected RT: 21.99

Processing Integration Results



Manual Integration Results

RT: 22.00
Area: 2597477
Amount: 20.971137
Amount Units: ppb v/v



Reviewer: bourdeaut, 19-Feb-2020 08:40:50

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-13.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 19-Feb-2020 02:47:30 ALS Bottle#: 13 Worklist Smp#: 13
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0040074-013
 Misc. Info.: ic-08
 Operator ID: ggg Instrument ID: CHC.i
 Sublist: chrom-TO15_MasterMethod_(v1)_CHC.i*sub10
 Method: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 19-Feb-2020 09:37:44 Calib Date: 19-Feb-2020 02:47:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0313

First Level Reviewer: bourdeaut

Date: 19-Feb-2020 08:41:37

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	2.941	2.930	0.011	98	700654	41.3	40.4	
2 Dichlorodifluoromethane	85	3.005	2.994	0.011	99	1747617	41.8	41.6	
3 Chlorodifluoromethane	51	3.047	3.042	0.005	98	1282032	41.9	40.7	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.250	3.240	0.010	95	1737469	41.6	40.4	
5 Chloromethane	50	3.367	3.362	0.005	99	698749	43.7	42.1	
6 Butane	43	3.565	3.554	0.011	97	1192387	41.4	38.6	
7 Vinyl chloride	62	3.597	3.586	0.011	98	697048	41.6	38.9	
8 Butadiene	54	3.672	3.661	0.011	94	555733	40.5	38.6	
10 Bromomethane	94	4.301	4.291	0.010	98	578172	41.2	40.3	
11 Chloroethane	64	4.531	4.520	0.011	99	330133	41.6	40.8	
12 2-Methylbutane	43	4.627	4.617	0.011	93	831537	41.8	37.6	
13 Vinyl bromide	106	4.905	4.899	0.005	98	558648	41.7	41.9	
14 Trichlorofluoromethane	101	5.022	5.011	0.011	98	1604969	42.2	41.8	
16 Pentane	43	5.171	5.161	0.010	98	1370292	40.5	38.5	
17 Ethanol	45	5.598	5.582	0.016	98	884941	100.0	81.6	
18 Ethyl ether	59	5.673	5.668	0.005	94	478761	40.3	40.0	
19 Acrolein	56	6.004	5.993	0.011	97	303924	38.9	35.1	
20 1,1,2-Trichloro-1,2,2-trif	101	6.089	6.073	0.016	95	1262447	42.0	41.7	
21 1,1-Dichloroethene	96	6.105	6.095	0.010	93	584631	41.1	40.2	
22 Acetone	43	6.313	6.308	0.005	100	1303192	41.0	40.5	
23 Carbon disulfide	76	6.474	6.463	0.011	100	1859185	40.6	41.3	
24 Isopropyl alcohol	45	6.671	6.650	0.021	100	1427450	40.9	39.3	
25 3-Chloro-1-propene	41	6.868	6.858	0.010	95	1147067	42.6	38.8	
26 Acetonitrile	41	6.943	6.938	0.005	98	624208	39.6	38.9	
27 Methylene Chloride	49	7.157	7.146	0.011	97	929330	41.1	39.8	
28 2-Methyl-2-propanol	59	7.440	7.418	0.022	95	1555881	43.1	42.4	
29 Methyl tert-butyl ether	73	7.594	7.589	0.005	97	1972795	41.8	40.5	
31 trans-1,2-Dichloroethene	61	7.610	7.600	0.010	94	1081396	40.8	39.1	
32 Acrylonitrile	53	7.706	7.701	0.005	93	554321	40.4	41.1	
33 Hexane	57	8.027	8.021	0.006	92	1132946	42.4	39.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.454	8.448	0.006	99	1343863	40.0	38.7	
35 Vinyl acetate	43	8.550	8.544	0.006	100	2585477	41.6	41.4	
37 cis-1,2-Dichloroethene	96	9.553	9.548	0.005	98	695631	40.4	41.2	
38 2-Butanone (MEK)	72	9.601	9.596	0.005	98	376740	41.4	41.6	
39 Ethyl acetate	88	9.681	9.676	0.005	98	59828	40.5	41.8	
* 40 Chlorobromomethane	128	10.001	9.996	0.005	95	237396	20.0	20.0	
41 Tetrahydrofuran	42	10.039	10.039	0.000	93	1200466	40.0	39.4	
42 Chloroform	83	10.156	10.146	0.010	95	1598712	40.4	40.6	
S 30 1,2-Dichloroethene, Total	61				0		81.2	80.3	
43 Cyclohexane	84	10.423	10.412	0.011	88	974752	40.6	40.8	
44 1,1,1-Trichloroethane	97	10.423	10.418	0.005	95	1644717	40.8	41.0	
45 Carbon tetrachloride	117	10.690	10.679	0.011	96	1643551	40.6	42.4	
47 Benzene	78	11.127	11.117	0.010	98	2427255	41.3	40.9	
46 Isooctane	57	11.154	11.149	0.005	96	4599019	41.9	41.1	
48 1,2-Dichloroethane	62	11.287	11.282	0.005	97	1318899	41.4	41.8	
49 n-Heptane	43	11.560	11.554	0.006	96	2195932	42.0	39.8	
* 50 1,4-Difluorobenzene	114	11.976	11.971	0.005	98	1240089	20.0	20.0	
52 n-Butanol	56	12.430	12.424	0.006	97	733775	38.2	39.8	
53 Trichloroethene	95	12.451	12.440	0.011	91	1064717	42.1	42.8	
54 1,2-Dichloropropane	63	12.969	12.963	0.006	83	1084724	41.2	42.1	
55 Methyl methacrylate	69	13.193	13.182	0.011	86	1052777	40.6	43.5	
57 Dibromomethane	174	13.225	13.220	0.005	94	896570	41.2	41.9	
56 1,4-Dioxane	88	13.230	13.225	0.005	96	481482	42.3	41.2	
58 Dichlorobromomethane	83	13.550	13.540	0.010	97	2050762	42.3	45.1	
60 cis-1,3-Dichloropropene	75	14.500	14.495	0.005	96	1808475	41.6	44.2	
61 4-Methyl-2-pentanone (MIBK)	43	14.804	14.799	0.005	98	3278053	41.0	42.8	
65 Toluene	92	15.109	15.098	0.011	92	1783249	40.6	41.1	
64 n-Octane	43	15.242	15.237	0.005	99	3331543	41.3	40.9	
66 trans-1,3-Dichloropropene	75	15.706	15.701	0.005	93	1656949	39.5	42.6	
67 1,1,2-Trichloroethane	83	16.069	16.064	0.005	95	954396	41.9	43.2	
68 Tetrachloroethene	166	16.219	16.214	0.005	93	1347798	42.0	43.1	
69 2-Hexanone	43	16.544	16.539	0.005	89	3259343	40.0	40.7	
71 Chlorodibromomethane	129	16.838	16.833	0.005	96	1813490	38.7	42.3	
72 Ethylene Dibromide	107	17.094	17.089	0.005	98	1607725	42.4	44.9	
* 74 Chlorobenzene-d5	117	18.012	18.007	0.005	94	1231573	20.0	20.0	
75 Chlorobenzene	112	18.076	18.071	0.005	86	2259677	42.0	42.6	
76 Ethylbenzene	91	18.241	18.236	0.005	100	4225637	40.9	42.3	
77 n-Nonane	57	18.439	18.428	0.011	95	2636427	41.9	43.4	
78 m-Xylene & p-Xylene	106	18.498	18.492	0.006	0	3063760	82.2	86.6	
79 o-Xylene	106	19.330	19.325	0.005	97	1469343	41.4	43.4	
80 Styrene	104	19.384	19.373	0.011	96	2526362	41.3	46.4	
81 Bromoform	173	19.805	19.800	0.005	94	1847099	41.2	50.7	
82 Isopropylbenzene	105	20.067	20.062	0.005	98	4554921	41.7	43.8	
S 73 Xylenes, Total	106				0		123.7	130.0	
84 1,1,2,2-Tetrachloroethane	83	20.744	20.739	0.005	98	2605972	41.4	45.0	
85 N-Propylbenzene	91	20.841	20.830	0.010	98	6024419	41.6	44.3	
86 1,2,3-Trichloropropane	75	20.835	20.830	0.005	94	2290246	42.4	45.6	
89 2-Chlorotoluene	91	21.033	21.027	0.006	96	4362624	41.8	45.2	
88 4-Ethyltoluene	105	21.038	21.033	0.005	98	4868614	41.3	45.4	
87 n-Decane	57	21.075	21.070	0.005	86	3642098	41.7	45.4	
90 1,3,5-Trimethylbenzene	105	21.155	21.150	0.005	90	4080892	41.6	46.8	
91 Alpha Methyl Styrene	118	21.534	21.529	0.005	83	2019894	40.8	47.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
92 tert-Butylbenzene	119	21.662	21.657	0.005	89	3664410	41.4	44.8	
93 1,2,4-Trimethylbenzene	105	21.758	21.753	0.005	99	4135209	41.6	46.8	
94 sec-Butylbenzene	105	21.999	21.993	0.006	97	5930230	41.8	45.8	a
95 4-Isopropyltoluene	119	22.212	22.207	0.005	96	4910616	41.2	45.7	
96 1,3-Dichlorobenzene	146	22.228	22.223	0.005	98	2646673	42.3	47.1	
97 1,4-Dichlorobenzene	146	22.367	22.362	0.005	90	2606187	41.9	46.3	
98 Benzyl chloride	91	22.559	22.554	0.005	96	4564509	42.3	50.9	
100 n-Butylbenzene	91	22.788	22.783	0.005	98	5232071	41.6	45.7	
99 Undecane	57	22.847	22.842	0.005	93	3967642	41.8	44.0	
101 1,2-Dichlorobenzene	146	22.885	22.885	0.000	92	2478643	41.8	46.0	
102 Dodecane	57	24.363	24.363	0.000	90	2267399	37.4	25.2	
103 1,2,4-Trichlorobenzene	180	25.259	25.260	-0.001	93	1755598	43.4	37.6	
104 Hexachlorobutadiene	225	25.457	25.457	0.000	97	1493491	41.0	33.8	
105 Naphthalene	128	25.692	25.687	0.005	98	3542609	38.9	32.2	
106 1,2,3-Trichlorobenzene	180	26.140	26.135	0.005	93	1209320	36.5	27.1	
123 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

a - User Assigned ID

Reagents:

ATTO15CAL7w_00093

Amount Added: 200.00

Units: mL

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 19-Feb-2020 09:37:46

Chrom Revision: 2.3 13-Feb-2020 09:36:32

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-13.D

Injection Date: 19-Feb-2020 02:47:30

Instrument ID: CHC.i

Operator ID: ggg

Lims ID: ic

Worklist Smp#: 13

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

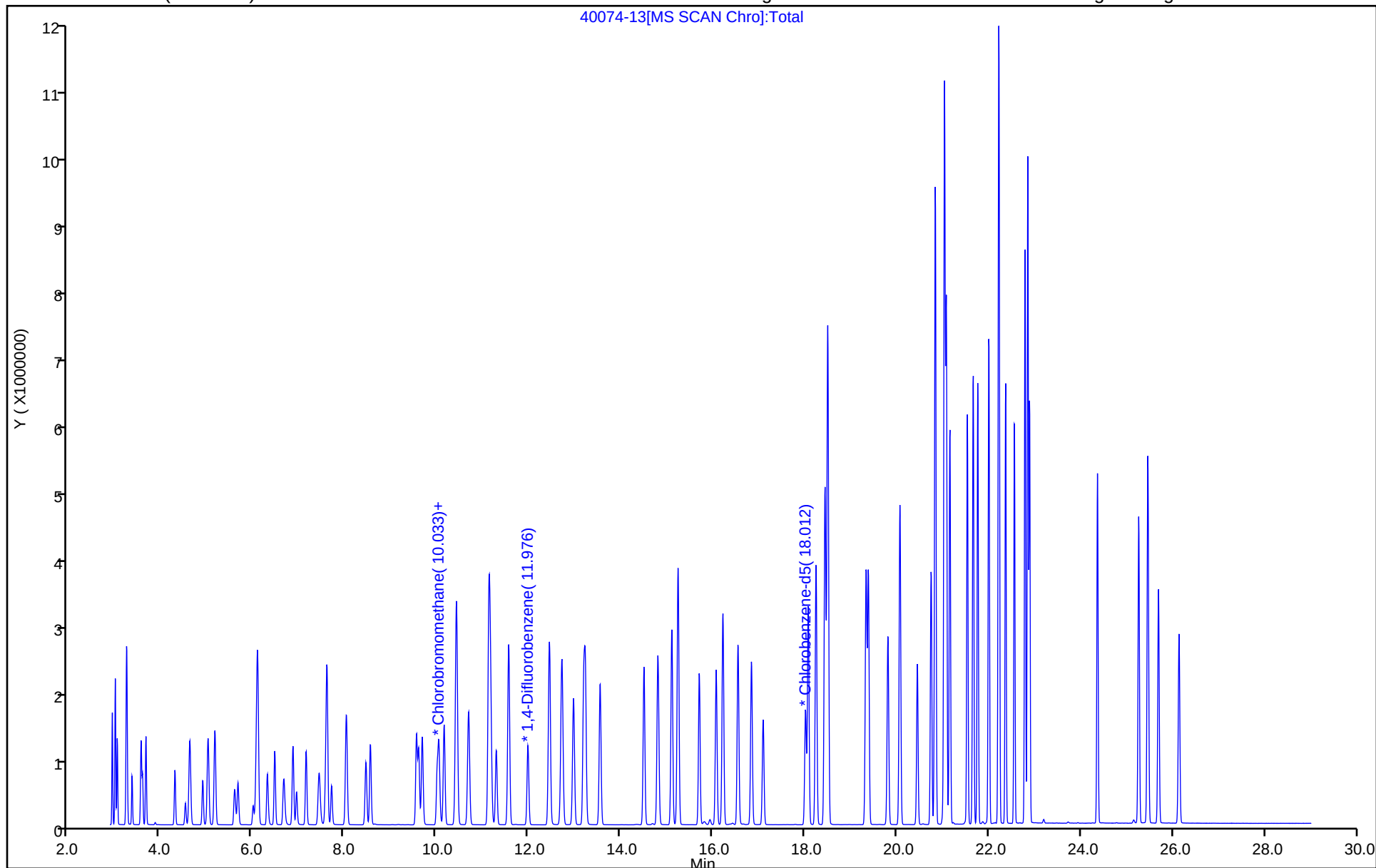
ALS Bottle#: 13

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-13.D

Injection Date: 19-Feb-2020 02:47:30

Instrument ID: CHC.i

Lims ID: ic

Client ID:

Operator ID: ggg

ALS Bottle#:

13

Worklist Smp#: 13

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

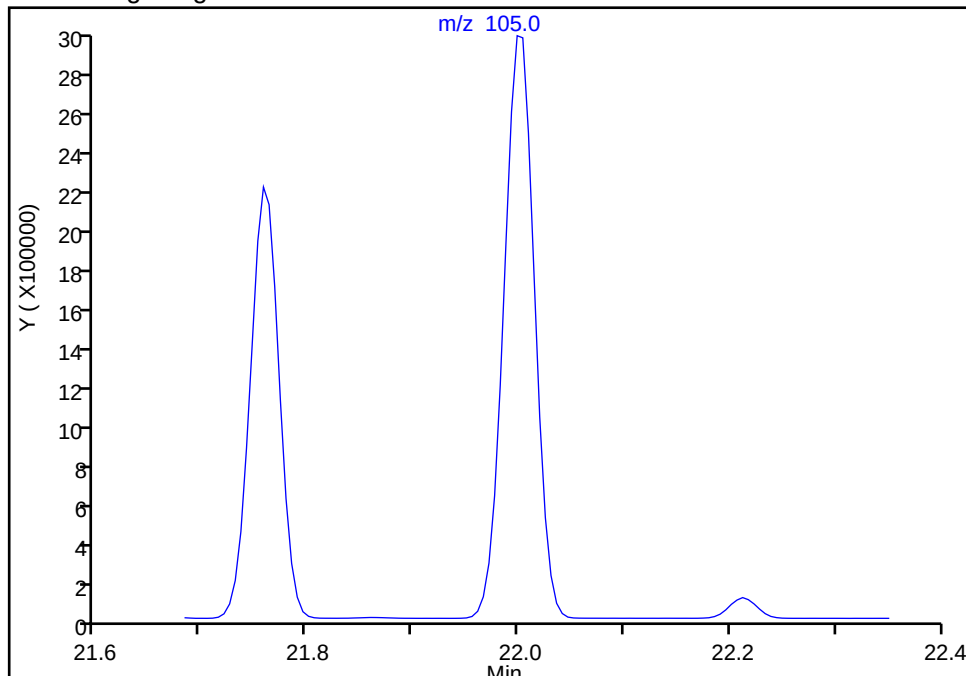
94 sec-Butylbenzene, CAS: 135-98-8

Signal: 1

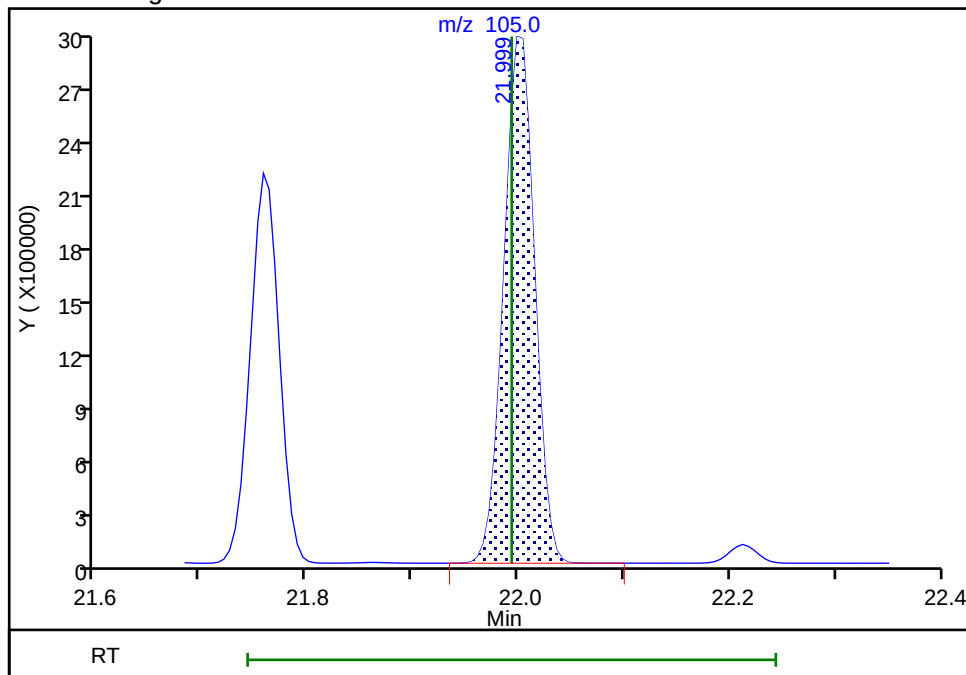
Not Detected

Expected RT: 21.99

Processing Integration Results



Manual Integration Results



RT: 22.00

Area: 5930230

Amount: 45.824160

Amount Units: ppb v/v

Reviewer: bourdeaut, 19-Feb-2020 08:41:26

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1 Analy Batch No.: 151656

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2020 18:37 Calibration End Date: 01/22/2020 04:38 Calibration ID: 42982

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-151656/4	39662-04.D
Level 2	IC 200-151656/5	39662-05.D
Level 3	IC 200-151656/6	39662-06.D
Level 4	IC 200-151656/7	39662-07.D
Level 5	ICIS 200-151656/8	39662-08.D
Level 6	IC 200-151656/9	39662-09.D
Level 7	IC 200-151656/12	39662-12.D
Level 8	IC 200-151656/16	39662-16.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	++++ 1.0749	++++ 1.0937	++++ 1.0282	1.0791	0.9318	Ave		1.0415				6.3		30.0			
Dichlorodifluoromethane	++++ 3.6973	++++ 3.0906	3.9164 3.4066	3.8293	2.9499	Ave		3.4817				11.5		30.0			
Freon 22	++++ 2.0000	++++ 2.0117	1.9977 1.9327	1.9961	1.7838	Ave		1.9536				4.5		30.0			
1,2-Dichlorotetrafluoroethane	++++ 4.0466	3.9156 3.9997	4.1230 3.9285	4.1279	3.5667	Ave		3.9583				4.9		30.0			
Chloromethane	++++ 1.2589	++++ 1.2836	1.3664 1.2426	1.2738	1.1143	Ave		1.2566				6.5		30.0			
n-Butane	++++ 1.6050	++++ 1.5056	1.7821 1.4618	1.6891	1.3342	Ave		1.5630				10.4		30.0			
Vinyl chloride	0.9968 1.1762	1.0722 1.1198	1.2597 1.0520	1.2353	0.9799	Ave		1.1115				9.4		30.0			
1,3-Butadiene	0.6461 0.7198	0.6807 0.6898	0.7023 0.6503	0.7292	0.5899	Ave		0.6760				6.8		30.0			
Bromomethane	++++ 1.5282	1.5670 1.5613	1.5817 1.4454	1.6419	1.4122	Ave		1.5340				5.2		30.0			
Chloroethane	++++ 0.7276	++++ 0.7383	0.7852 0.6961	0.7456	0.6500	Ave		0.7238				6.4		30.0			
Isopentane	++++ 1.4738	1.4041 1.5491	1.5390 1.4764	1.4959	1.3105	Ave		1.4641				5.7		30.0			
Bromoethene (Vinyl Bromide)	++++ 1.5615	1.4565 1.5287	1.6046 1.4466	1.6107	1.3806	Ave		1.5127				5.8		30.0			
Trichlorofluoromethane	++++ 3.9662	3.9602 3.9921	4.2102 3.7298	4.0926	3.5766	Ave		3.9325				5.5		30.0			
n-Pentane	++++ 2.0568	++++ 2.1626	2.1243 2.0815	2.0992	1.8075	Ave		2.0553				6.2		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1 Analy Batch No.: 151656

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2020 18:37 Calibration End Date: 01/22/2020 04:38 Calibration ID: 42982

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	++++ 0.4485	++++ 0.4295	0.5630 0.3898	0.5156	0.4313	Ave		0.4630				13.8		30.0			
Ethyl ether	++++ 0.8338	0.7979 0.8741	0.8684 0.8134	0.8455	0.7253	Ave		0.8226				6.2		30.0			
Acrolein	++++ 0.3514	++++ 0.3545	++++ 0.3243	0.2810	0.2686	Ave		0.3160				12.5		30.0			
Freon TF	++++ 2.8717	2.9249 2.9668	3.0533 2.6627	2.9918	2.5494	Ave		2.8601				6.5		30.0			
1,1-Dichloroethene	1.5645 1.4679	1.3640 1.5249	1.5117 1.3724	1.4881	1.2676	Ave		1.4451				7.0		30.0			
Acetone	++++ 1.3166	++++ 1.4010	2.2100 1.3229	1.4359	1.2388	Ave		1.4875				24.2		30.0			
Carbon disulfide	++++ 3.3310	++++ 3.4192	3.3060 3.1571	3.3865	2.8322	Ave		3.2387				6.8		30.0			
Isopropyl alcohol	++++ 1.2660	++++ 1.3045	++++ 1.2170	1.3358	1.2177	Ave		1.2682				4.1		30.0			
3-Chloropropene	++++ 0.8797	0.8643 1.1515	0.8390 0.8283	0.8661	0.8894	Ave		0.9026				12.4		30.0			
Acetonitrile	++++ 0.4803	++++ 0.6475	0.5603 0.5925	0.4870	0.5401	Ave		0.5513				11.6		30.0			
Methylene Chloride	++++ 0.8681	++++ 1.0854	0.9220 1.0461	0.8566	0.9158	Ave		0.9490				10.0		30.0			
tert-Butyl alcohol	++++ 1.8740	++++ 1.9665	++++ 1.8572	1.9771	1.6916	Ave		1.8733				6.1		30.0			
Methyl tert-butyl ether	++++ 3.1748	2.9068 3.3159	3.2521 3.1360	3.3109	2.8523	Ave		3.1355				6.0		30.0			
trans-1,2-Dichloroethene	++++ 1.4995	1.4432 1.5754	1.5226 1.4898	1.5444	1.3235	Ave		1.4855				5.6		30.0			
Acrylonitrile	++++ 0.6497	++++ 0.7032	0.6247 0.6798	0.6493	0.5711	Ave		0.6463				7.1		30.0			
n-Hexane	++++ 1.4952	1.3825 1.5712	1.5366 1.4792	1.5385	1.3310	Ave		1.4763				6.0		30.0			
1,1-Dichloroethane	1.8766 1.8573	1.7339 1.9555	1.9312 1.8600	1.9055	1.6478	Ave		1.8460				5.6		30.0			
Vinyl acetate	++++ 1.9141	++++ 2.0509	++++ 1.9841	1.8306	1.6820	Ave		1.8924				7.6		30.0			
cis-1,2-Dichloroethene	1.2431 1.3827	1.3220 1.4226	1.4248 1.3372	1.4151	1.2401	Ave		1.3484				5.6		30.0			
Methyl Ethyl Ketone	++++ 0.5492	++++ 0.5881	0.6184 0.5429	0.5761	0.5086	Ave		0.5639				6.8		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1 Analy Batch No.: 151656

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2020 18:37 Calibration End Date: 01/22/2020 04:38 Calibration ID: 42982

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	++++ 0.1055	++++ 0.1095	++++ 0.1045	0.1097	0.0956	Ave		0.1050				5.4		30.0			
Tetrahydrofuran	++++ 0.1767	++++ 0.1923	++++ 0.1830	0.1778	0.1586	Ave		0.1777				6.9		30.0			
Chloroform	++++ 2.6441	2.5713 2.7311	2.7716 2.6093	2.7465	2.3788	Ave		2.6361				5.2		30.0			
Cyclohexane	++++ 0.3533	0.3393 0.3584	0.3579 0.3361	0.3642	0.3131	Ave		0.3461				5.2		30.0			
1,1,1-Trichloroethane	++++ 0.6510	0.6199 0.6526	0.6707 0.6251	0.6754	0.5742	Ave		0.6384				5.5		30.0			
Carbon tetrachloride	0.6400 0.7331	0.6518 0.7235	0.7146 0.7061	0.7490	0.6397	Ave		0.6947				6.4		30.0			
2,2,4-Trimethylpentane	++++ 0.9972	0.9001 1.0473	0.9981 0.9695	1.0358	0.8939	Ave		0.9774				6.2		30.0			
Benzene	++++ 0.7892	0.7764 0.8118	0.8199 0.7652	0.8172	0.7018	Ave		0.7831				5.3		30.0			
1,2-Dichloroethane	++++ 0.3221	0.3226 0.3327	0.3326 0.3207	0.3328	0.2850	Ave		0.3212				5.3		30.0			
n-Heptane	++++ 0.3127	0.2836 0.3328	0.3150 0.3097	0.3260	0.2818	Ave		0.3088				6.3		30.0			
n-Butanol	++++ 0.1200	++++ 0.1200	++++ 0.1229	0.1213	0.1046	Ave		0.1177				6.3		30.0			
Trichloroethene	0.3749 0.3818	0.3836 0.3909	0.3963 0.3735	0.4046	0.3422	Ave		0.3810				5.0		30.0			
1,2-Dichloropropane	++++ 0.2416	0.2253 0.2561	0.2526 0.2439	0.2520	0.2151	Ave		0.2410				6.4		30.0			
Methyl methacrylate	++++ 0.2519	++++ 0.2686	++++ 0.2550	0.2182	0.2274	Ave		0.2460				7.8		30.0			
1,4-Dioxane	++++ 0.1616	++++ 0.1606	++++ 0.1510	0.1756	0.1479	Ave		0.1594				6.8		30.0			
Dibromomethane	++++ 0.5031	0.5004 0.4959	0.5259 0.4840	0.5512	0.4475	Ave		0.5011				6.5		30.0			
Bromodichloromethane	++++ 0.5882	0.5004 0.6115	0.5539 0.5878	0.5970	0.5261	Ave		0.5664				7.2		30.0			
cis-1,3-Dichloropropene	++++ 0.4436	0.3636 0.4624	0.3997 0.4413	0.4491	0.3970	Ave		0.4224				8.5		30.0			
methyl isobutyl ketone	++++ 0.4087	++++ 0.4412	0.3920 0.4127	0.4288	0.3669	Ave		0.4084				6.5		30.0			
Toluene	++++ 0.6521	0.6292 0.6428	0.6747 0.6000	0.6797	0.5746	Ave		0.6362				6.0		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1 Analy Batch No.: 151656

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2020 18:37 Calibration End Date: 01/22/2020 04:38 Calibration ID: 42982

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	++++ 0.4159	0.3705 0.4431	0.4270 0.3866	0.4549	0.3864	Ave		0.4121				7.7		30.0			
trans-1,3-Dichloropropene	++++ 0.4447	0.3690 0.4639	0.4186 0.4458	0.4512	0.3979	Ave		0.4273				7.9		30.0			
1,1,2-Trichloroethane	++++ 0.3281	0.3091 0.3291	0.3368 0.3151	0.3419	0.2890	Ave		0.3213				5.7		30.0			
Tetrachloroethene	0.7325 0.8226	0.8144 0.7931	0.8461 0.7699	0.8503	0.7197	Ave		0.7936				6.2		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.5048	++++ 0.4888	0.4445 0.4894	0.4816	0.4139	Ave		0.4705				7.3		30.0			
Dibromochloromethane	++++ 0.8362	0.6021 0.8197	0.6670 0.7925	0.7721	0.7205	Ave		0.7443				11.5		30.0			
1,2-Dibromoethane	++++ 0.6495	0.5382 0.6425	0.6020 0.6215	0.6585	0.5652	Ave		0.6110				7.4		30.0			
Chlorobenzene	++++ 1.0185	1.0594 0.9990	1.0802 0.9490	1.0702	0.9058	Ave		1.0117				6.5		30.0			
Ethylbenzene	++++ 1.5943	1.4539 1.5845	1.5829 1.5039	1.6714	1.4190	Ave		1.5443				5.7		30.0			
n-Nonane	++++ 0.6042	0.4820 0.6028	0.5750 0.5601	0.6290	0.5379	Ave		0.5701				8.7		30.0			
m,p-Xylene	++++ 0.6758	0.6026 0.6605	0.6794 0.6188	0.7134	0.6055	Ave		0.6508				6.5		30.0			
Xylene, o-	++++ 0.6652	0.5508 0.6407	0.6291 0.6240	0.6890	0.5833	Ave		0.6260				7.5		30.0			
Styrene	++++ 1.0369	0.5884 1.0088	0.7743 0.9998	1.0162	0.8946	Ave		0.9027				18.5		30.0			
Bromoform	++++ 0.9691	0.4791 0.9353	0.4996 0.9338	0.6929	0.7928	Ave		0.7575				27.3		30.0			
Cumene	++++ 1.9752	1.6394 1.8515	1.8549 1.8266	2.0130	1.7006	Ave		1.8373				7.3		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.8880	0.8158 0.8418	0.8397 0.8111	0.8797	0.7556	Ave		0.8331				5.4		30.0			
n-Propylbenzene	++++ 2.2249	1.7980 2.0742	2.0494 1.9956	2.2171	1.8843	Ave		2.0348				7.8		30.0			
1,2,3-Trichloropropane	++++ 0.6555	++++ 0.6202	0.6583 0.6009	0.6589	0.5557	Ave		0.6249				6.6		30.0			
n-Decane	++++ 0.7771	++++ 0.7064	0.7266 0.5735	0.8048	0.6691	Ave		0.7096				11.6		30.0			
4-Ethyltoluene	++++ 1.9272	1.6073 1.7531	1.8238 1.6021	1.9439	1.6474	Ave		1.7578				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 BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1 Analy Batch No.: 151656

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2020 18:37 Calibration End Date: 01/22/2020 04:38 Calibration ID: 42982

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	++++ 1.5339	1.4171 1.4346	1.5314 1.3182	1.5655	1.3255	Ave		1.4466				7.0		30.0			
1,3,5-Trimethylbenzene	++++ 1.7264	1.4299 1.5847	1.6198 1.5400	1.6942	1.4372	Ave		1.5761				7.3		30.0			
Alpha Methyl Styrene	++++ 0.9259	0.4356 0.8548	0.5778 0.8468	0.8613	0.7534	Ave		0.7508				23.8		30.0			
tert-Butylbenzene	++++ 1.7495	1.4763 1.5903	1.6738 1.5523	1.7429	1.4587	Ave		1.6063				7.4		30.0			
1,2,4-Trimethylbenzene	++++ 1.7189	1.3221 1.5622	1.5566 1.5183	1.6756	1.4126	Ave		1.5380				9.0		30.0			
sec-Butylbenzene	++++ 2.5264	2.0515 2.2910	2.3441 2.1913	2.4800	2.0938	Ave		2.2826				8.0		30.0			
4-Isopropyltoluene	++++ 2.1788	1.6861 1.9580	1.9264 1.8800	2.0916	1.7712	Ave		1.9274				8.9		30.0			
1,3-Dichlorobenzene	++++ 1.2749	0.9514 1.1773	1.0736 1.1908	1.1839	1.0377	Ave		1.1271				9.8		30.0			
1,4-Dichlorobenzene	++++ 1.2180	0.8533 1.1293	0.9682 1.1648	1.0991	0.9834	Ave		1.0594				12.1		30.0			
Benzyl chloride	++++ 1.3023	0.4948 1.1935	0.6716 1.2445	1.0967	0.9699	Ave		0.9962				30.7	*	30.0			
n-Butylbenzene	++++ 1.7492	1.2643 1.5832	1.5046 1.4290	1.6963	1.4316	Ave		1.5226				11.0		30.0			
n-Undecane	++++ 0.8062	++++ 0.7278	++++ 0.5548	0.8268	0.6874	Ave		0.7206				15.1		30.0			
1,2-Dichlorobenzene	++++ 1.1892	0.9883 1.0831	1.0353 1.0903	1.1142	0.9542	Ave		1.0649				7.5		30.0			
n-Dodecane	++++ 0.6502	++++ 0.6078	++++ 0.4263	0.6629	0.5393	Ave		0.5773				16.8		30.0			
1,2,4-Trichlorobenzene	++++ 0.7874	++++ 0.7714	0.5184 0.6912	0.6779	0.6211	Ave		0.6779				14.7		30.0			
Hexachlorobutadiene	++++ 1.1552	0.9978 1.0525	1.0164 1.0255	1.0499	0.9033	Ave		1.0287				7.3		30.0			
Naphthalene	++++ 1.4293	++++ 1.4922	1.2901 1.1185	1.4485	1.2690	Ave		1.3413				10.5		30.0			
1,2,3-Trichlorobenzene	++++ 0.7809	0.6406 0.7615	0.6867 0.6263	0.7155	0.6390	Ave		0.6929				9.0		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1 Analy Batch No.: 151656

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2020 18:37 Calibration End Date: 01/22/2020 04:38 Calibration ID: 42982

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-151656/4	39662-04.D
Level 2	IC 200-151656/5	39662-05.D
Level 3	IC 200-151656/6	39662-06.D
Level 4	IC 200-151656/7	39662-07.D
Level 5	ICIS 200-151656/8	39662-08.D
Level 6	IC 200-151656/9	39662-09.D
Level 7	IC 200-151656/12	39662-12.D
Level 8	IC 200-151656/16	39662-16.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	++++ 451410	++++ 604851	++++ 1183794	142489	260496	++++ 15.0	++++ 20.0	++++ 40.0	4.49	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 1642727	++++ 1808398	54431 4149701	534985	872519	++++ 15.9	++++ 21.2	0.477 42.3	4.75	10.6
Freon 22	BCM	Ave	++++ 888578	++++ 1177105	27764 2354268	278870	527610	++++ 15.9	++++ 21.2	0.477 42.3	4.75	10.6
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 1799589	20165 2342590	57356 4789973	577242	1055961	++++ 15.9	0.191 21.2	0.477 42.4	4.76	10.6
Chloromethane	BCM	Ave	++++ 528675	++++ 709876	17949 1430629	168204	311517	++++ 15.0	++++ 20.0	0.450 40.0	4.49	10.00
n-Butane	BCM	Ave	++++ 674026	++++ 832660	23410 1683067	223039	373012	++++ 15.0	++++ 20.0	0.450 40.0	4.49	10.00
Vinyl chloride	BCM	Ave	955 493916	5214 619331	16548 1211264	163114	273940	0.0351 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,3-Butadiene	BCM	Ave	619 302257	3310 381491	9225 748737	96290	164916	0.0351 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Bromomethane	BCM	Ave	++++ 641756	7620 863489	20778 1664160	216813	394803	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Chloroethane	BCM	Ave	++++ 322971	++++ 431623	10902 847142	104073	192076	++++ 15.9	++++ 21.1	0.476 42.3	4.75	10.6
Isopentane	BCM	Ave	++++ 618910	6828 856758	20217 1699822	197537	366363	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 655753	7083 845467	21078 1665577	212693	385962	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Trichlorofluoromethane	BCM	Ave	++++ 1665595	19258 2207844	55306 4294392	540426	999901	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
n-Pentane	BCM	Ave	++++ 863738	++++ 1196066	27906 2396525	277199	505313	++++ 15.0	++++ 20.0	0.450 40.0	4.49	10.00
Ethanol	BCM	Ave	++++ 251682	++++ 475105	74045 1122054	136268	180961	++++ 20.0	++++ 40.0	4.51 100.0	8.99	15.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1 Analy Batch No.: 151656

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2020 18:37 Calibration End Date: 01/22/2020 04:38 Calibration ID: 42982

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	++++ 350163	3880 483433	11408 936492	111648	202774	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Acrolein	BCM	Ave	++++ 147563	++++ 196040	++++ 373444	37111	75095	++++ 15.0	++++ 20.0	++++ 40.0	4.49	10.00
Freon TF	BCM	Ave	++++ 1287950	15191 1752397	42836 3274233	421925	761184	++++ 16.0	0.193 21.4	0.481 42.7	4.80	10.7
1,1-Dichloroethene	BCM	Ave	1499 616426	6633 843362	19858 1580152	196500	354368	0.0351 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Acetone	BCM	Ave	++++ 552913	++++ 774849	29031 1523162	189614	346324	++++ 15.0	++++ 20.0	0.450 40.0	4.49	10.00
Carbon disulfide	BCM	Ave	++++ 1398841	++++ 1891033	43429 3634935	447180	791796	++++ 15.0	++++ 20.0	0.450 40.0	4.49	10.00
Isopropyl alcohol	BCM	Ave	++++ 531639	++++ 721449	++++ 1401221	176392	340423	++++ 15.0	++++ 20.0	++++ 40.0	4.49	10.00
3-Chloropropene	BCM	Ave	++++ 396400	4510 683328	11826 1023295	122711	266785	++++ 16.1	0.194 21.5	0.483 42.9	4.82	10.7
Acetonitrile	BCM	Ave	++++ 201693	++++ 358090	7360 682230	64301	150986	++++ 15.0	++++ 20.0	0.450 40.0	4.49	10.00
Methylene Chloride	BCM	Ave	++++ 364558	++++ 600306	12112 1204475	113114	256031	++++ 15.0	++++ 20.0	0.450 40.0	4.49	10.00
tert-Butyl alcohol	BCM	Ave	++++ 849949	++++ 1174608	++++ 2309373	281964	510763	++++ 16.2	++++ 21.6	++++ 43.2	4.85	10.8
Methyl tert-butyl ether	BCM	Ave	++++ 1407906	14927 1936576	45113 3812868	461674	842074	++++ 15.8	0.190 21.1	0.476 42.2	4.74	10.6
trans-1,2-Dichloroethene	BCM	Ave	++++ 629702	7018 871283	20001 1715327	203929	370021	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Acrylonitrile	BCM	Ave	++++ 272822	++++ 388901	8206 782668	85742	159654	++++ 15.0	++++ 20.0	0.450 40.0	4.49	10.00
n-Hexane	BCM	Ave	++++ 627898	6723 868960	20185 1703046	203159	372101	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,1-Dichloroethane	BCM	Ave	1798 779958	8432 1081484	25369 2141504	251611	460675	0.0351 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Vinyl acetate	BCM	Ave	++++ 803815	++++ 1134285	++++ 2284462	241728	470230	++++ 15.0	++++ 20.0	++++ 40.0	4.49	10.00
cis-1,2-Dichloroethene	BCM	Ave	1191 580646	6429 786800	18716 1539583	186861	346690	0.0351 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Methyl Ethyl Ketone	BCM	Ave	++++ 230618	++++ 325240	8124 625039	76072	142181	++++ 15.0	++++ 20.0	0.450 40.0	4.49	10.00
Ethyl acetate	BCM	Ave	++++ 44316	++++ 60561	++++ 120355	14487	26736	++++ 15.0	++++ 20.0	++++ 40.0	4.49	10.00
Tetrahydrofuran	DFBZ	Ave	++++ 347618	++++ 506083	++++ 995660	110222	211310	++++ 15.0	++++ 20.0	++++ 40.0	4.49	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1 Analy Batch No.: 151656

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2020 18:37 Calibration End Date: 01/22/2020 04:38 Calibration ID: 42982

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	+++++ 1110366	12504 1510428	36409 3004214	362668	665027	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Cyclohexane	DFBZ	Ave	+++++ 695160	7823 943139	22167 1829119	225833	417191	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,1,1-Trichloroethane	DFBZ	Ave	+++++ 1281040	14294 1717294	41540 3401682	418745	765046	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Carbon tetrachloride	DFBZ	Ave	2888 1442426	15028 1903612	44256 3842721	464438	852390	0.0351 15.0	0.180 20.0	0.450 40.0	4.49	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	+++++ 1962105	20755 2755646	61813 5276382	642259	1191099	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Benzene	DFBZ	Ave	+++++ 1552818	17903 2136012	50781 4164228	506711	935074	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,2-Dichloroethane	DFBZ	Ave	+++++ 633847	7439 875397	20597 1745290	206332	379728	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
n-Heptane	DFBZ	Ave	+++++ 615275	6540 875627	19510 1685500	202156	375483	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
n-Butanol	DFBZ	Ave	+++++ 215063	+++++ 287573	+++++ 609348	68540	126912	+++++ 13.7	+++++ 18.2	+++++ 36.4	4.09	9.11
Trichloroethene	DFBZ	Ave	1692 751313	8846 1028504	24541 2032676	250892	455965	0.0351 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,2-Dichloropropane	DFBZ	Ave	+++++ 475480	5196 673846	15645 1327451	156229	286569	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Methyl methacrylate	DFBZ	Ave	+++++ 495692	+++++ 706880	13513 1387953	158107	302948	+++++ 15.0	+++++ 20.0	0.450 40.0	4.49	10.00
1,4-Dioxane	DFBZ	Ave	+++++ 317956	+++++ 422587	+++++ 821866	108883	197119	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.49	10.00
Dibromomethane	DFBZ	Ave	+++++ 989988	11537 1304768	32570 2633941	341780	596297	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Bromodichloromethane	DFBZ	Ave	+++++ 1157355	11537 1609108	34305 3198729	370167	700962	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	+++++ 872896	8384 1216587	24757 2401717	278444	528956	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
methyl isobutyl ketone	DFBZ	Ave	+++++ 804129	+++++ 1160845	24279 2245952	265895	488929	+++++ 15.0	+++++ 20.0	0.450 40.0	4.49	10.00
Toluene	CBNZ d5	Ave	+++++ 1181512	13465 1620157	39156 3083359	395835	731339	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
n-Octane	DFBZ	Ave	+++++ 818362	8542 1165955	26447 2103887	282071	514810	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
trans-1,3-Dichloropropene	DFBZ	Ave	+++++ 874947	8509 1220557	25925 2426258	279769	530245	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,1,2-Trichloroethane	CBNZ d5	Ave	+++++ 594442	6614 829463	19547 1619503	199088	367848	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1 Analy Batch No.: 151656

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2020 18:37 Calibration End Date: 01/22/2020 04:38 Calibration ID: 42982

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	CBNZ d5	Ave	3047 1490378	17427 1999047	49101 3956356	495166	916009	0.0351 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Methyl Butyl Ketone (2-Hexanone)	CBNZ d5	Ave	++++ 914534	++++ 1232107	25797 2514854	280440	526800	++++ 15.0	++++ 20.0	0.450 40.0	4.49	10.00
Dibromochloromethane	CBNZ d5	Ave	++++ 1606006	13657 2190063	41028 4317165	476648	972062	++++ 15.9	0.191 21.2	0.477 42.4	4.76	10.6
1,2-Dibromoethane	CBNZ d5	Ave	++++ 1254394	12276 1726408	37239 3404467	408806	766839	++++ 16.0	0.192 21.3	0.480 42.6	4.79	10.7
Chlorobenzene	CBNZ d5	Ave	++++ 1937540	23803 2643981	65822 5120639	654420	1210477	++++ 15.8	0.189 21.0	0.473 42.0	4.72	10.5
Ethylbenzene	CBNZ d5	Ave	++++ 2888680	31111 3993724	91855 7728441	973374	1806078	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
n-Nonane	CBNZ d5	Ave	++++ 1094643	10314 1519351	33366 2878561	366283	684688	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
m,p-Xylene	CBNZ d5	Ave	++++ 2448712	25789 3329789	78849 6359953	830890	1541439	++++ 30.0	0.361 40.0	0.901 80.0	8.99	20.0
Xylene, o-	CBNZ d5	Ave	++++ 1205148	11786 1614804	36506 3206894	401255	742393	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Styrene	CBNZ d5	Ave	++++ 1878690	12590 2542703	44933 5138046	591805	1138631	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Bromoform	CBNZ d5	Ave	++++ 1755922	10252 2357496	28992 4798797	403488	1009018	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Cumene	CBNZ d5	Ave	++++ 3578768	35081 4666793	107640 9386828	1172304	2164512	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,1,2,2-Tetrachloroethane	CBNZ d5	Ave	++++ 1608917	17457 2121818	48731 4168199	512313	961731	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
n-Propylbenzene	CBNZ d5	Ave	++++ 4031258	38474 5228167	118928 10255339	1291122	2398321	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,2,3-Trichloropropane	CBNZ d5	Ave	++++ 1263756	++++ 1663436	40647 3285881	408305	752515	++++ 16.0	++++ 21.3	0.479 42.6	4.78	10.6
n-Decane	CBNZ d5	Ave	++++ 1408068	++++ 1780629	42164 2947085	468685	851580	++++ 15.0	++++ 20.0	0.450 40.0	4.49	10.00
4-Ethyltoluene	CBNZ d5	Ave	++++ 3491853	34394 4418902	105836 8233043	1132027	2096833	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
2-Chlorotoluene	CBNZ d5	Ave	++++ 2779130	30325 3615906	88869 6774423	911656	1687008	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,3,5-Trimethylbenzene	CBNZ d5	Ave	++++ 3127991	30599 3994423	94000 7914077	986636	1829300	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Alpha Methyl Styrene	CBNZ d5	Ave	++++ 1677645	9321 2154469	33532 4351697	501613	958867	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
tert-Butylbenzene	CBNZ d5	Ave	++++ 3169825	31590 4008474	97130 7977529	1015013	1856610	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1 Analy Batch No.: 151656

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2020 18:37 Calibration End Date: 01/22/2020 04:38 Calibration ID: 42982

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	CBNZ d5	Ave	++++ 3114392	28291 3937654	90332 7802370	975809	1797877	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
sec-Butylbenzene	CBNZ d5	Ave	++++ 4577354	43899 5774615	136032 11261159	1444269	2664905	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
4-Isopropyltoluene	CBNZ d5	Ave	++++ 4144955	37885 5182116	117377 10144479	1278953	2367118	++++ 15.8	0.189 21.0	0.473 42.0	4.72	10.5
1,3-Dichlorobenzene	CBNZ d5	Ave	++++ 2309977	20358 2967451	62303 6119523	689475	1320720	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,4-Dichlorobenzene	CBNZ d5	Ave	++++ 2206773	18259 2846421	56187 5985938	640048	1251624	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Benzyl chloride	CBNZ d5	Ave	++++ 2359551	10588 3008334	38972 6395464	638661	1234532	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
n-Butylbenzene	CBNZ d5	Ave	++++ 3330927	28435 4194000	91766 7718291	1038219	1914978	++++ 15.8	0.190 21.0	0.473 42.0	4.72	10.5
n-Undecane	CBNZ d5	Ave	++++ 1565878	++++ 1966416	++++ 3056406	516150	937946	++++ 16.1	++++ 21.4	++++ 42.9	4.82	10.7
1,2-Dichlorobenzene	CBNZ d5	Ave	++++ 2318325	22756 2937558	64646 6028824	698170	1306820	++++ 16.1	0.194 21.5	0.485 43.0	4.83	10.8
n-Dodecane	CBNZ d5	Ave	++++ 1253424	++++ 1630060	++++ 2330811	410751	730277	++++ 16.0	++++ 21.3	++++ 42.6	4.78	10.6
1,2,4-Trichlorobenzene	CBNZ d5	Ave	++++ 1566467	++++ 2134793	33030 3900369	433465	868063	++++ 16.5	++++ 22.0	0.495 43.9	4.93	11.0
Hexachlorobutadiene	CBNZ d5	Ave	++++ 2271003	23167 2878338	63998 5717842	663373	1247401	++++ 16.3	0.196 21.7	0.489 43.4	4.88	10.8
Naphthalene	CBNZ d5	Ave	++++ 2719204	++++ 3949357	78611 6035620	885725	1695892	++++ 15.8	++++ 21.0	0.473 42.0	4.72	10.5
1,2,3-Trichlorobenzene	CBNZ d5	Ave	++++ 1536614	14887 2084360	43278 3495237	452505	883211	++++ 16.3	0.196 21.7	0.489 43.4	4.88	10.9

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-04.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 21-Jan-2020 18:37:30 ALS Bottle#: 6 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0039662-004
 Misc. Info.: ic1
 Operator ID: ggg Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub1
 Method: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 23-Jan-2020 10:26:39 Calib Date: 22-Jan-2020 04:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-16.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0319

First Level Reviewer: phamvu

Date: 22-Jan-2020 08:38:52

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	4.094	4.083	0.011	86	2362	0.0351	0.0830	
2 Dichlorodifluoromethane	85	4.179	4.174	0.005	97	3705	0.0371	0.0390	
3 Chlorodifluoromethane	51	4.244	4.233	0.011	96	1993	0.0371	0.0373	
4 1,2-Dichloro-1,1,2,2-tetra	85	4.516	4.500	0.016	87	4131	0.0371	0.0382	
5 Chloromethane	50	4.688	4.688	0.000	40	1436	0.0351	0.0418	
6 Butane	43	4.934	4.923	0.011	93	1653	0.0351	0.0387	
7 Vinyl chloride	62	4.993	4.976	0.017	1	955	0.0351	0.0315	
8 Butadiene	54	5.073	5.062	0.011	38	619	0.0351	0.0335	
10 Bromomethane	94	5.870	5.859	0.011	89	1413	0.0351	0.0337	
11 Chloroethane	64	6.100	6.111	-0.011	1	412	0.0371	0.0208	
12 2-Methylbutane	43	6.186	6.175	0.011	83	1261	0.0351	0.0315	
13 Vinyl bromide	106	6.533	6.528	0.005	90	1485	0.0351	0.0359	
14 Trichlorofluoromethane	101	6.624	6.624	0.000	95	2393	0.0351	0.0223	
16 Pentane	43	6.758	6.758	0.000	91	1895	0.0351	0.0338	
17 Ethanol	45	7.197	7.175	0.022	98	4523	0.0702	0.3577	
18 Ethyl ether	59	7.298	7.277	0.021	24	418	0.0351	0.0186	
19 Acrolein	56		7.667				ND	ND	
20 1,1,2-Trichloro-1,2,2-trif	101	7.689	7.683	0.006	90	2843	0.0375	0.0364	
21 1,1-Dichloroethene	96	7.748	7.742	0.006	88	1499	0.0351	0.0380	
22 Acetone	43	7.988	7.962	0.026	92	3345	0.0351	0.0823	
23 Carbon disulfide	76	8.149	8.144	0.006	98	2807	0.0351	0.0317	
24 Isopropyl alcohol	45	8.245	8.213	0.032	97	4617	0.0351	0.1333	
25 3-Chloro-1-propene	41	8.261	8.491	-0.230	38	351	0.0376	0.0142	
26 Acetonitrile	41	8.507	8.614	-0.107	55	1112	0.0351	0.0739	
27 Methylene Chloride	49	8.775	8.769	0.006	79	763	0.0351	0.0294	
28 2-Methyl-2-propanol	59	8.983	8.935	0.048	5	1545	0.0379	0.0302	
29 Methyl tert-butyl ether	73	9.160	9.123	0.038	90	2677	0.0370	0.0313	
31 trans-1,2-Dichloroethene	61	9.171	9.176	-0.005	93	1515	0.0351	0.0373	
32 Acrylonitrile	53	9.331	9.320	0.011	10	272	0.0351	0.0154	
33 Hexane	57	9.524	9.513	0.011	79	1188	0.0351	0.0295	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
S 30 1,2-Dichloroethene, Total	61				0		0.0702	0.0697	
34 1,1-Dichloroethane	63	9.989	9.995	-0.005	85	1798	0.0351	0.0357	
35 Vinyl acetate	43	10.053	10.043	0.010	57	1114	0.0351	0.0216	
37 cis-1,2-Dichloroethene	96	11.032	11.032	0.000	78	1191	0.0351	0.0323	M
38 2-Butanone (MEK)	72		11.064				ND	ND	
39 Ethyl acetate	88		11.086				ND	ND	
* 40 Chlorobromomethane	128	11.466	11.466	0.000	73	273144	10.0	10.0	
41 Tetrahydrofuran	42	11.508	11.466	0.042	29	756	0.0351	0.0331	
42 Chloroform	83	11.589	11.573	0.016	84	1240	0.0351	0.0172	
43 Cyclohexane	84	11.835	11.803	0.032	36	238	0.0351	0.005346	
44 1,1,1-Trichloroethane	97	11.840	11.829	0.011	88	2738	0.0351	0.0333	
45 Carbon tetrachloride	117	12.054	12.059	-0.005	93	2888	0.0351	0.0323	
46 Isooctane	57	12.423	12.423	0.000	51	3837	0.0351	0.0305	
47 Benzene	78	12.477	12.477	0.000	95	2394	0.0351	0.0238	
48 1,2-Dichloroethane	62		12.643				ND	ND	
49 n-Heptane	43	12.766	12.766	0.000	72	763	0.0351	0.0192	
* 50 1,4-Difluorobenzene	114	13.215	13.215	0.000	91	1286533	10.0	10.0	
52 n-Butanol	56		13.536				ND	ND	
53 Trichloroethene	95	13.632	13.638	-0.006	81	1692	0.0351	0.0345	M
54 1,2-Dichloropropane	63		14.130				ND	ND	
55 Methyl methacrylate	69		14.248				ND	ND	
56 1,4-Dioxane	88	14.360	14.317	0.043	41	795	0.0351	0.0388	
57 Dibromomethane	174	14.371	14.360	0.011	50	1292	0.0351	0.0200	
58 Dichlorobromomethane	83	14.611	14.611	0.000	91	1399	0.0351	0.0192	
60 cis-1,3-Dichloropropene	75	15.446	15.441	0.006	80	1071	0.0351	0.0197	
61 4-Methyl-2-pentanone (MIBK)	43	15.713	15.687	0.026	92	1530	0.0351	0.0291	
65 Toluene	92	15.986	15.975	0.011	91	1588	0.0351	0.0210	
64 n-Octane	43	16.002	16.002	0.000	54	1551	0.0351	0.0293	
66 trans-1,3-Dichloropropene	75	16.543	16.537	0.006	80	1296	0.0351	0.0236	
67 1,1,2-Trichloroethane	83		16.896				ND	ND	
68 Tetrachloroethene	166	17.008	16.997	0.011	93	3047	0.0351	0.0324	M
69 2-Hexanone	43	17.345	17.318	0.027	64	1319	0.0351	0.0236	
71 Chlorodibromomethane	129	17.650	17.650	0.000	92	1879	0.0372	0.0213	
72 Ethylene Dibromide	107	17.917	17.917	0.000	96	1815	0.0374	0.0250	
* 74 Chlorobenzene-d5	117	18.795	18.795	0.000	82	1185926	10.0	10.0	
75 Chlorobenzene	112	18.854	18.854	0.000	94	4619	0.0368	0.0385	
76 Ethylbenzene	91	18.998	18.998	0.000	93	6268	0.0351	0.0342	
77 n-Nonane	57	19.116	19.105	0.011	80	1659	0.0351	0.0245	
78 m-Xylene & p-Xylene	106	19.249	19.244	0.005	0	4499	0.0702	0.0583	
S 73 Xylenes, Total	106				0		0.1052	0.0800	
79 o-Xylene	106	20.089	20.084	0.005	92	1611	0.0351	0.0217	
80 Styrene	104	20.132	20.138	-0.006	5	790	0.0351	0.007379	
81 Bromoform	173	20.582	20.576	0.006	90	1773	0.0351	0.0197	
82 Isopropylbenzene	105	20.774	20.769	0.005	93	6451	0.0351	0.0296	
84 1,1,2,2-Tetrachloroethane	83	21.443	21.438	0.005	95	3132	0.0351	0.0317	
85 N-Propylbenzene	91	21.496	21.496	0.000	98	6940	0.0351	0.0288	
86 1,2,3-Trichloropropane	75	21.534	21.534	0.000	90	2713	0.0373	0.0366	
87 n-Decane	57	21.662	21.662	0.000	86	1780	0.0351	0.0212	
88 4-Ethyltoluene	105	21.689	21.684	0.005	91	5888	0.0351	0.0282	
89 2-Chlorotoluene	91	21.694	21.694	0.000	81	5508	0.0351	0.0321	
90 1,3,5-Trimethylbenzene	105	21.796	21.791	0.005	94	5592	0.0351	0.0299	
91 Alpha Methyl Styrene	118	22.165	22.165	0.000	90	1602	0.0351	0.0180	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
92 tert-Butylbenzene	119	22.277	22.283	-0.006	92	5519	0.0351	0.0290	
93 1,2,4-Trimethylbenzene	105	22.379	22.379	0.000	94	5195	0.0351	0.0285	
94 sec-Butylbenzene	105	22.609	22.609	0.000	97	7849	0.0351	0.0290	
95 4-Isopropyltoluene	119	22.812	22.807	0.005	96	6208	0.0368	0.0272	
96 1,3-Dichlorobenzene	146	22.850	22.844	0.006	94	4049	0.0351	0.0303	
97 1,4-Dichlorobenzene	146	22.984	22.984	0.000	94	3563	0.0351	0.0284	
98 Benzyl chloride	91	23.187	23.182	0.005	96	1744	0.0351	0.0148	
100 n-Butylbenzene	91	23.379	23.379	0.000	96	4630	0.0369	0.0256	
99 Undecane	57	23.396	23.401	-0.005	89	1373	0.0376	0.0161	
101 1,2-Dichlorobenzene	146	23.519	23.513	0.006	94	4429	0.0377	0.0351	
102 Dodecane	57		24.968				ND	ND	
103 1,2,4-Trichlorobenzene	180	25.985	25.990	-0.005	85	2046	0.0385	0.0254	
104 Hexachlorobutadiene	225	26.167	26.167	0.000	93	4705	0.0381	0.0386	
105 Naphthalene	128	26.466	26.466	0.000	95	4558	0.0368	0.0287	
106 1,2,3-Trichlorobenzene	180	26.937	26.937	0.000	91	3018	0.0381	0.0367	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00212

Amount Added: 35.00

Units: mL

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 23-Jan-2020 10:26:40

Chrom Revision: 2.3 14-Jan-2020 22:23:42

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-04.D

Injection Date: 21-Jan-2020 18:37:30

Instrument ID: CHX.i

Operator ID: ggg

Lims ID: ic

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

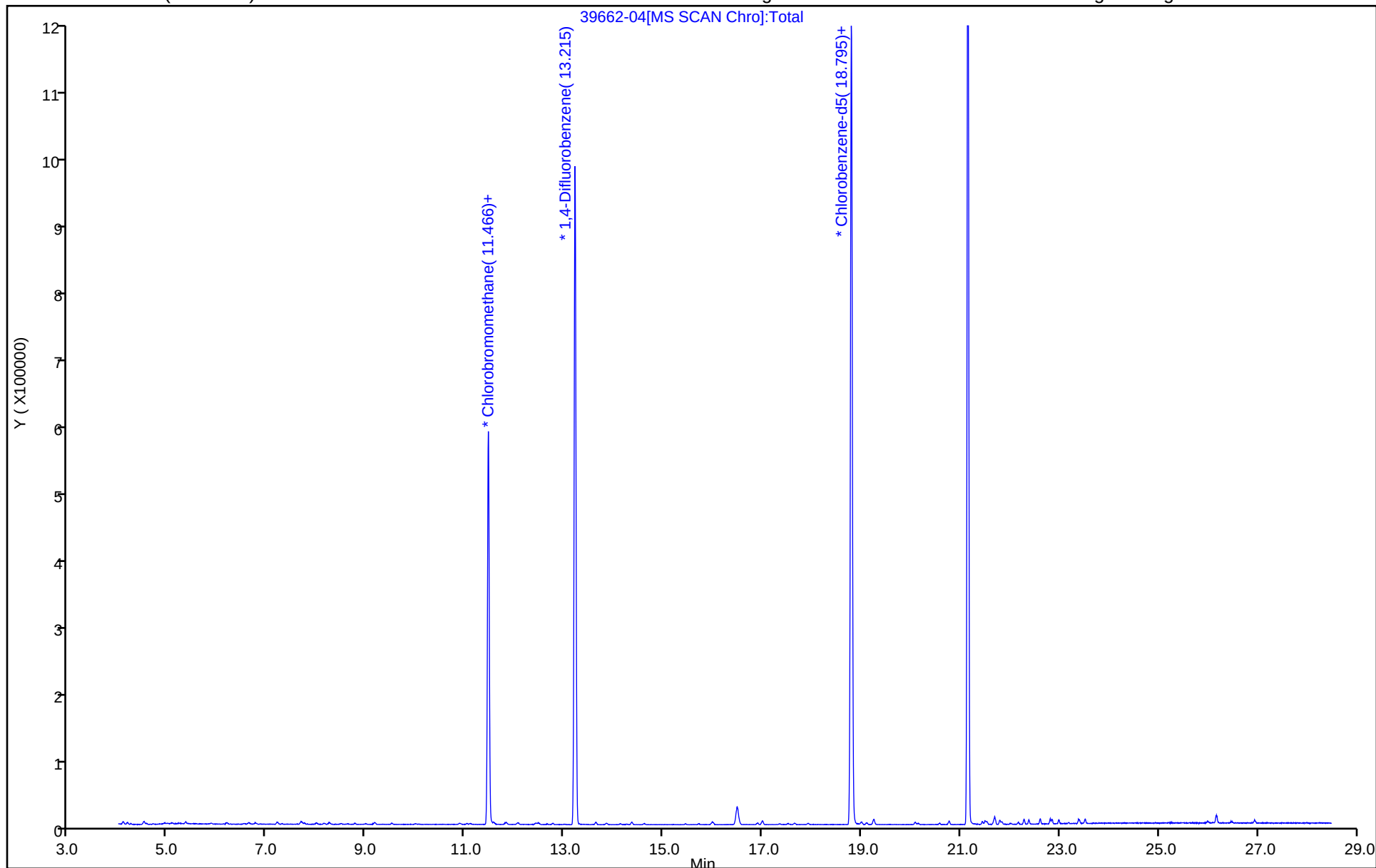
ALS Bottle#: 6

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-04.D

Injection Date: 21-Jan-2020 18:37:30

Instrument ID: CHX.i

Lims ID: ic

Client ID:

Operator ID: ggg

ALS Bottle#:

6

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_MasterMethod_X.m

Limit Group:

AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector

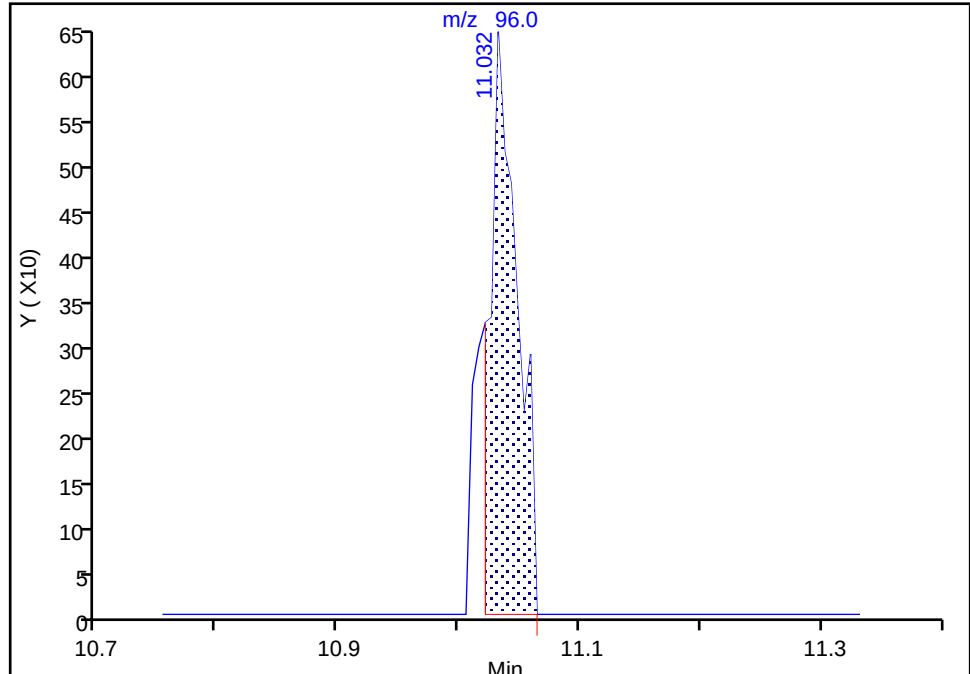
MS SCAN

37 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

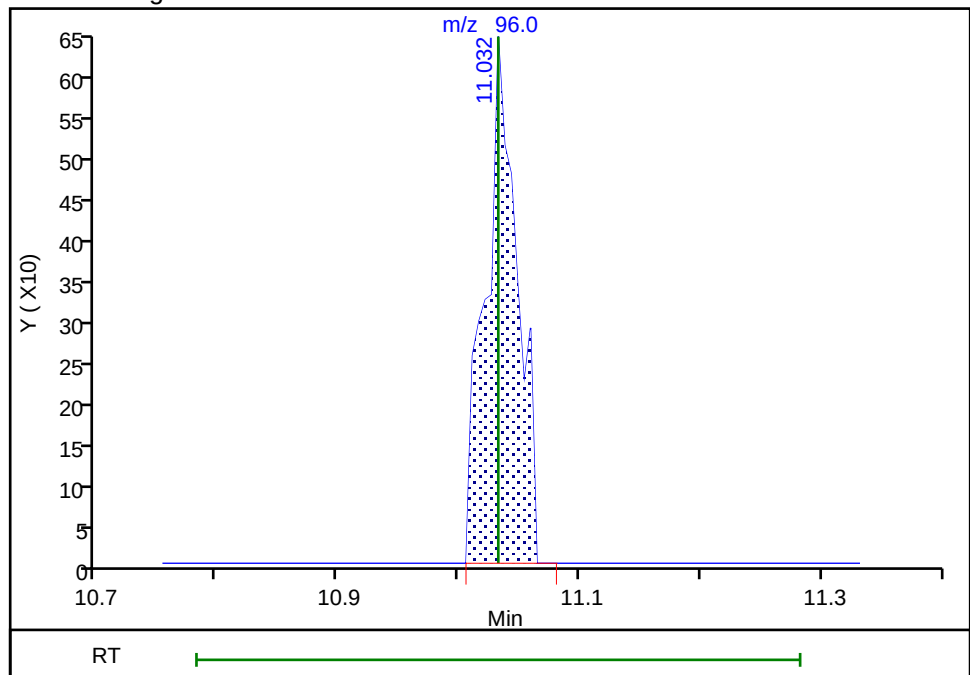
RT: 11.03
Area: 1013
Amount: 0.030869
Amount Units: ppb v/v

Processing Integration Results



RT: 11.03
Area: 1191
Amount: 0.032336
Amount Units: ppb v/v

Manual Integration Results



Reviewer: phamvu, 22-Jan-2020 08:38:21

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-04.D

Injection Date: 21-Jan-2020 18:37:30

Instrument ID: CHX.i

Lims ID: ic

Client ID:

Operator ID: ggg

ALS Bottle#:

6

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

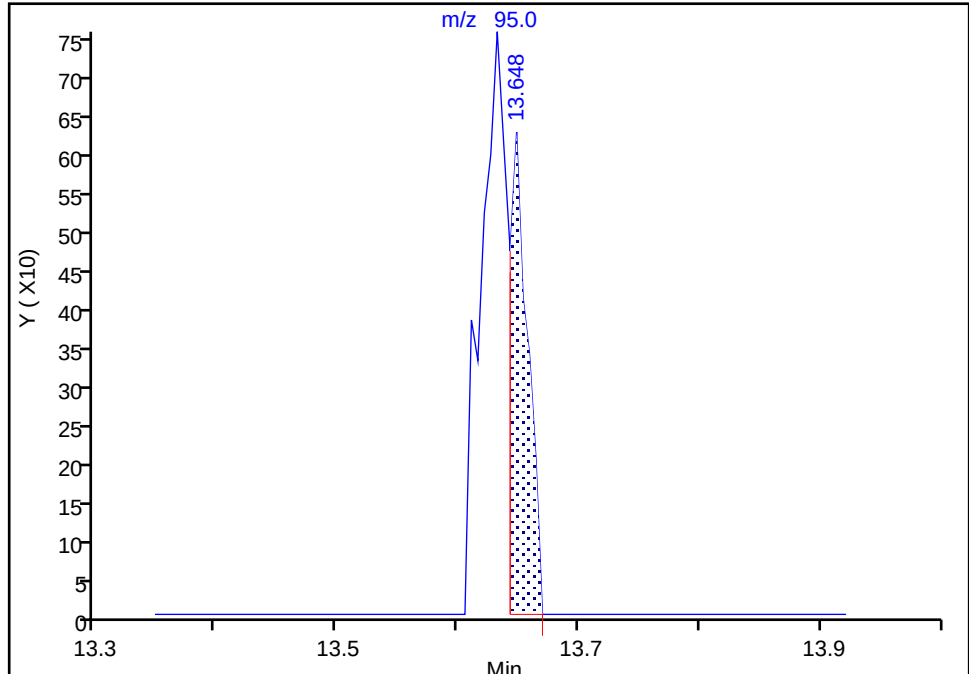
Detector: MS SCAN

53 Trichloroethene, CAS: 79-01-6

Signal: 1

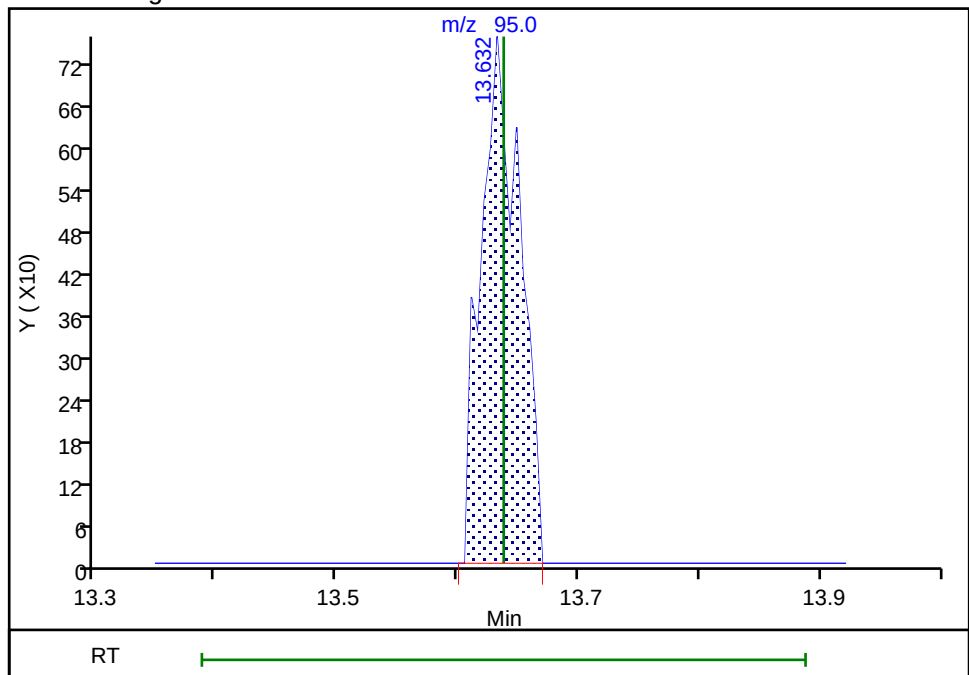
RT: 13.65
Area: 660
Amount: 0.016139
Amount Units: ppb v/v

Processing Integration Results



RT: 13.63
Area: 1692
Amount: 0.034520
Amount Units: ppb v/v

Manual Integration Results



Reviewer: phamvu, 22-Jan-2020 08:38:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

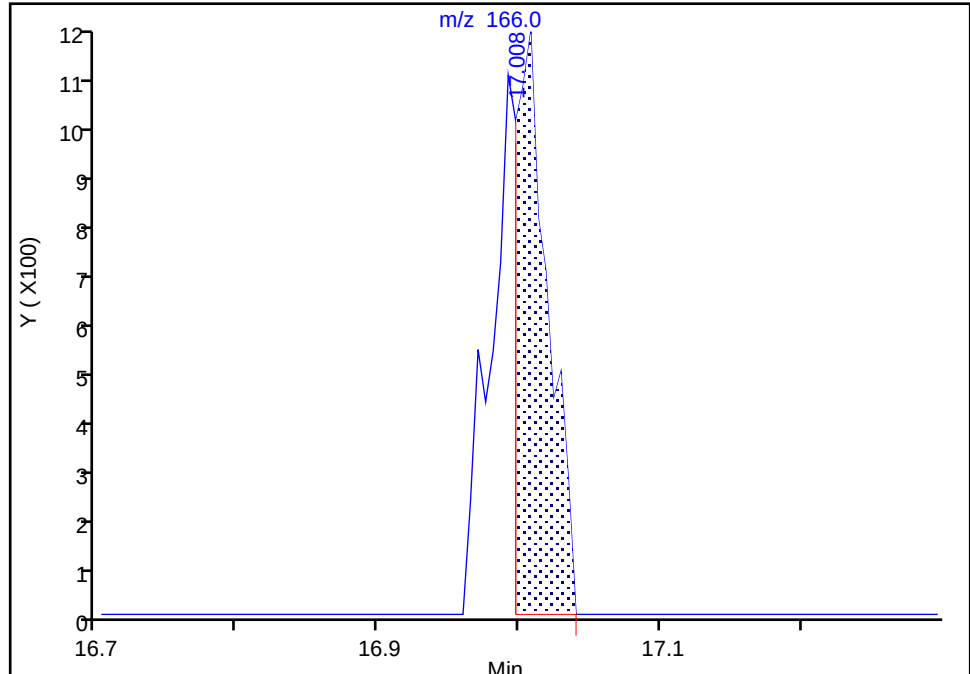
Data File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-04.D
Injection Date: 21-Jan-2020 18:37:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: ggg ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

68 Tetrachloroethene, CAS: 127-18-4

Signal: 1

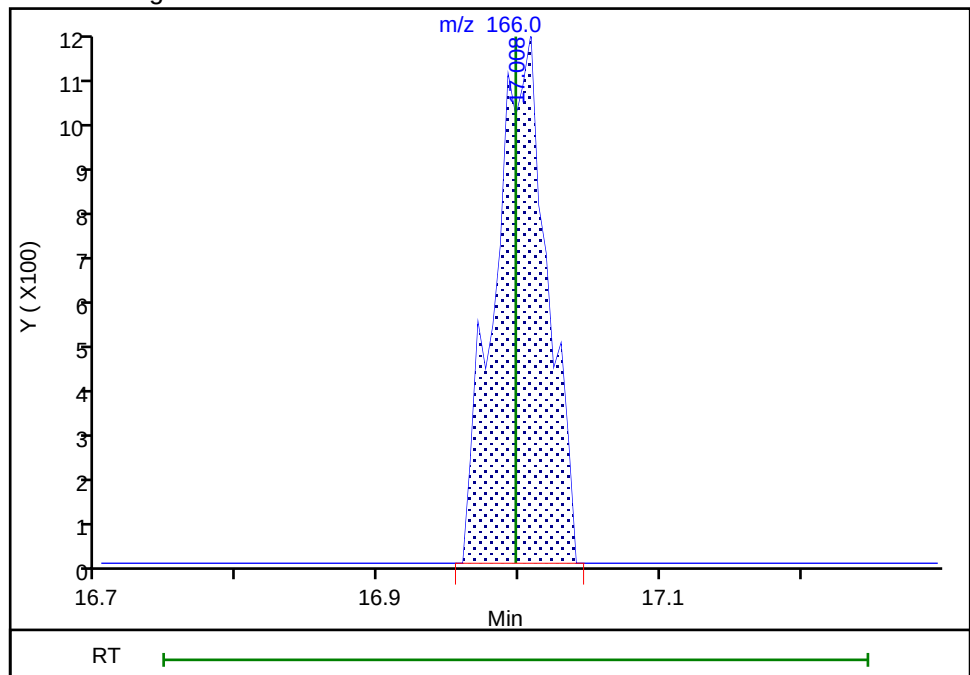
RT: 17.01
Area: 1910
Amount: 0.023408
Amount Units: ppb v/v

Processing Integration Results



RT: 17.01
Area: 3047
Amount: 0.032377
Amount Units: ppb v/v

Manual Integration Results



Reviewer: phamvu, 22-Jan-2020 08:38:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-05.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 21-Jan-2020 19:27:30 ALS Bottle#: 7 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0039662-005
 Misc. Info.: ic2
 Operator ID: ggg Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub1
 Method: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 23-Jan-2020 10:26:41 Calib Date: 22-Jan-2020 04:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-16.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0319

First Level Reviewer: phamvu

Date: 22-Jan-2020 08:43:43

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	4.083	4.083	0.000	95	6669	0.1804	0.2375	
2 Dichlorodifluoromethane	85	4.174	4.174	0.000	99	17915	0.1909	0.1909	
3 Chlorodifluoromethane	51	4.238	4.233	0.005	96	10200	0.1909	0.1937	
4 1,2-Dichloro-1,1,2,2-tetra	85	4.506	4.500	0.006	89	20165	0.1910	0.1890	
5 Chloromethane	50	4.693	4.688	0.005	98	6085	0.1804	0.1796	
6 Butane	43	4.923	4.923	0.000	97	7808	0.1804	0.1853	
7 Vinyl chloride	62	4.982	4.976	0.006	94	5214	0.1804	0.1740	
8 Butadiene	54	5.067	5.062	0.005	89	3310	0.1804	0.1816	
10 Bromomethane	94	5.854	5.859	-0.005	97	7620	0.1804	0.1843	
11 Chloroethane	64	6.116	6.111	0.005	91	3719	0.1907	0.1906	
12 2-Methylbutane	43	6.175	6.175	0.000	90	6828	0.1804	0.1730	
13 Vinyl bromide	106	6.533	6.528	0.005	98	7083	0.1804	0.1737	
14 Trichlorofluoromethane	101	6.629	6.624	0.005	98	19258	0.1804	0.1817	
16 Pentane	43	6.763	6.758	0.005	97	9490	0.1804	0.1713	
17 Ethanol	45	7.191	7.175	0.016	99	8624	0.3608	0.6910	
18 Ethyl ether	59	7.293	7.277	0.016	95	3880	0.1804	0.1750	
19 Acrolein	56	7.689	7.667	0.022	39	2498	0.1804	0.2933	
20 1,1,2-Trichloro-1,2,2-trif	101	7.689	7.683	0.006	92	15191	0.1927	0.1970	
21 1,1-Dichloroethene	96	7.742	7.742	0.000	91	6633	0.1804	0.1703	
22 Acetone	43	7.978	7.962	0.016	96	15838	0.1804	0.3950	
23 Carbon disulfide	76	8.149	8.144	0.006	98	14732	0.1804	0.1687	
24 Isopropyl alcohol	45	8.240	8.213	0.027	99	9945	0.1804	0.2909	
25 3-Chloro-1-propene	41	8.497	8.491	0.005	87	4510	0.1936	0.1854	
26 Acetonitrile	41	8.625	8.614	0.011	97	3272	0.1804	0.2202	
27 Methylene Chloride	49	8.764	8.769	-0.005	77	4793	0.1804	0.1874	M
28 2-Methyl-2-propanol	59	8.967	8.935	0.032	92	9085	0.1948	0.1799	
29 Methyl tert-butyl ether	73	9.144	9.123	0.022	75	14927	0.1905	0.1766	
31 trans-1,2-Dichloroethene	61	9.176	9.176	0.000	93	7018	0.1804	0.1753	
32 Acrylonitrile	53	9.326	9.320	0.006	99	2728	0.1804	0.1566	
33 Hexane	57	9.513	9.513	0.000	89	6723	0.1804	0.1689	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
S 30 1,2-Dichloroethene, Total	61				0		0.3608	0.3521	
34 1,1-Dichloroethane	63	10.000	9.995	0.006	97	8432	0.1804	0.1694	
35 Vinyl acetate	43	10.053	10.043	0.010	98	7006	0.1804	0.1373	
37 cis-1,2-Dichloroethene	96	11.032	11.032	0.000	82	6429	0.1804	0.1769	
38 2-Butanone (MEK)	72	11.086	11.064	0.022	98	3056	0.1804	0.2010	
39 Ethyl acetate	88	11.075	11.086	-0.011	54	50	0.1804	0.0177	
* 40 Chlorobromomethane	128	11.466	11.466	0.000	70	269571	10.0	10.0	
41 Tetrahydrofuran	42	11.492	11.466	0.026	74	3764	0.1804	0.1658	
42 Chloroform	83	11.573	11.573	0.000	97	12504	0.1804	0.1760	
43 Cyclohexane	84	11.813	11.803	0.010	93	7823	0.1804	0.1769	
44 1,1,1-Trichloroethane	97	11.829	11.829	0.000	94	14294	0.1804	0.1752	
45 Carbon tetrachloride	117	12.059	12.059	0.000	96	15028	0.1804	0.1692	
46 Isooctane	57	12.429	12.423	0.006	98	20755	0.1804	0.1661	
47 Benzene	78	12.482	12.477	0.005	93	17903	0.1804	0.1789	
48 1,2-Dichloroethane	62	12.653	12.643	0.010	97	7439	0.1804	0.1812	
49 n-Heptane	43	12.766	12.766	0.000	85	6540	0.1804	0.1657	M
* 50 1,4-Difluorobenzene	114	13.215	13.215	0.000	92	1278169	10.0	10.0	
52 n-Butanol	56	13.563	13.536	0.027	84	2976	0.1643	0.1977	
53 Trichloroethene	95	13.638	13.638	0.000	92	8846	0.1804	0.1817	
54 1,2-Dichloropropane	63	14.130	14.130	0.000	87	5196	0.1804	0.1687	
55 Methyl methacrylate	69	14.258	14.248	0.010	96	3975	0.1804	0.1264	
56 1,4-Dioxane	88	14.333	14.317	0.016	56	4624	0.1804	0.2270	
57 Dibromomethane	174	14.360	14.360	0.000	85	11537	0.1804	0.1801	
58 Dichlorobromomethane	83	14.617	14.611	0.006	97	11537	0.1804	0.1594	
60 cis-1,3-Dichloropropene	75	15.446	15.441	0.006	88	8384	0.1804	0.1553	
61 4-Methyl-2-pentanone (MIBK)	43	15.703	15.687	0.016	90	8443	0.1804	0.1617	
65 Toluene	92	15.981	15.975	0.006	94	13465	0.1804	0.1784	
64 n-Octane	43	16.002	16.002	0.000	76	8542	0.1804	0.1622	
66 trans-1,3-Dichloropropene	75	16.537	16.537	0.000	91	8509	0.1804	0.1558	
67 1,1,2-Trichloroethane	83	16.890	16.896	-0.006	93	6614	0.1804	0.1735	
68 Tetrachloroethene	166	16.997	16.997	0.000	94	17427	0.1804	0.1851	
69 2-Hexanone	43	17.340	17.318	0.022	99	8527	0.1804	0.1528	
71 Chlorodibromomethane	129	17.645	17.650	-0.006	96	13657	0.1912	0.1547	
72 Ethylene Dibromide	107	17.923	17.917	0.006	99	12276	0.1923	0.1694	
* 74 Chlorobenzene-d5	117	18.795	18.795	0.000	84	1186209	10.0	10.0	
75 Chlorobenzene	112	18.859	18.854	0.005	95	23803	0.1894	0.1983	
76 Ethylbenzene	91	18.998	18.998	0.000	96	31111	0.1804	0.1698	
77 n-Nonane	57	19.110	19.105	0.005	80	10314	0.1804	0.1525	
78 m-Xylene & p-Xylene	106	19.244	19.244	0.000	0	25789	0.3608	0.3340	
S 73 Xylenes, Total	106				0		0.5412	0.4928	
79 o-Xylene	106	20.079	20.084	-0.005	96	11786	0.1804	0.1587	
80 Styrene	104	20.143	20.138	0.005	95	12590	0.1804	0.1176	
81 Bromoform	173	20.576	20.576	0.000	99	10252	0.1804	0.1141	
82 Isopropylbenzene	105	20.763	20.769	-0.006	94	35081	0.1804	0.1610	
84 1,1,2,2-Tetrachloroethane	83	21.437	21.438	-0.001	97	17457	0.1804	0.1766	
85 N-Propylbenzene	91	21.496	21.496	0.000	99	38474	0.1804	0.1594	
86 1,2,3-Trichloropropane	75	21.528	21.534	-0.006	93	13306	0.1919	0.1795	
87 n-Decane	57	21.662	21.662	0.000	91	12095	0.1804	0.1437	
88 4-Ethyltoluene	105	21.689	21.684	0.005	98	34394	0.1804	0.1649	
89 2-Chlorotoluene	91	21.694	21.694	0.000	97	30325	0.1804	0.1767	
90 1,3,5-Trimethylbenzene	105	21.791	21.791	0.000	94	30599	0.1804	0.1637	
91 Alpha Methyl Styrene	118	22.165	22.165	0.000	92	9321	0.1804	0.1047	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
92 tert-Butylbenzene	119	22.277	22.283	-0.006	95	31590	0.1804	0.1658	
93 1,2,4-Trimethylbenzene	105	22.379	22.379	0.000	96	28291	0.1804	0.1551	
94 sec-Butylbenzene	105	22.609	22.609	0.000	98	43899	0.1804	0.1621	
95 4-Isopropyltoluene	119	22.812	22.807	0.005	97	37885	0.1894	0.1657	
96 1,3-Dichlorobenzene	146	22.850	22.844	0.006	93	20358	0.1804	0.1523	
97 1,4-Dichlorobenzene	146	22.984	22.984	0.000	96	18259	0.1804	0.1453	
98 Benzyl chloride	91	23.187	23.182	0.005	99	10588	0.1804	0.0896	
100 n-Butylbenzene	91	23.385	23.379	0.006	98	28435	0.1896	0.1574	
99 Undecane	57	23.401	23.401	0.000	90	12543	0.1934	0.1467	
101 1,2-Dichlorobenzene	146	23.518	23.513	0.005	98	22756	0.1941	0.1801	
102 Dodecane	57	24.963	24.968	-0.005	93	5748	0.1919	0.0839	
103 1,2,4-Trichlorobenzene	180	25.990	25.990	0.000	92	9968	0.1981	0.1240	
104 Hexachlorobutadiene	225	26.167	26.167	0.000	93	23167	0.1957	0.1899	
105 Naphthalene	128	26.472	26.466	0.006	99	20084	0.1894	0.1262	
106 1,2,3-Trichlorobenzene	180	26.937	26.937	0.000	95	14887	0.1959	0.1811	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00212

Amount Added: 180.00

Units: mL

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 23-Jan-2020 10:26:41

Chrom Revision: 2.3 14-Jan-2020 22:23:42

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-05.D

Injection Date: 21-Jan-2020 19:27:30

Instrument ID: CHX.i

Operator ID: ggg

Lims ID: ic

Worklist Smp#: 5

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

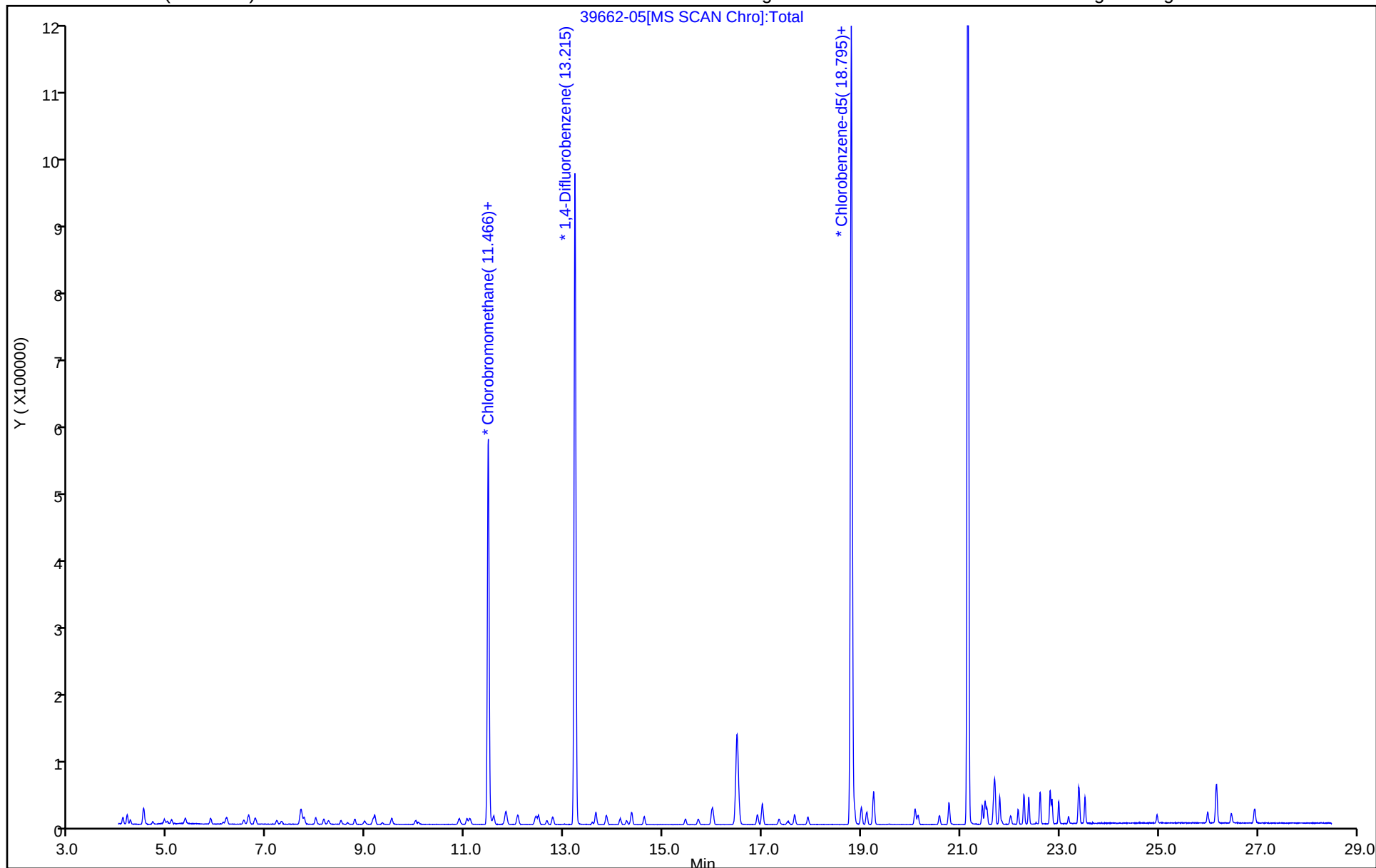
ALS Bottle#: 7

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-05.D

Injection Date: 21-Jan-2020 19:27:30

Instrument ID: CHX.i

Lims ID: ic

Client ID:

Operator ID: ggg

ALS Bottle#:

7

Worklist Smp#: 5

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

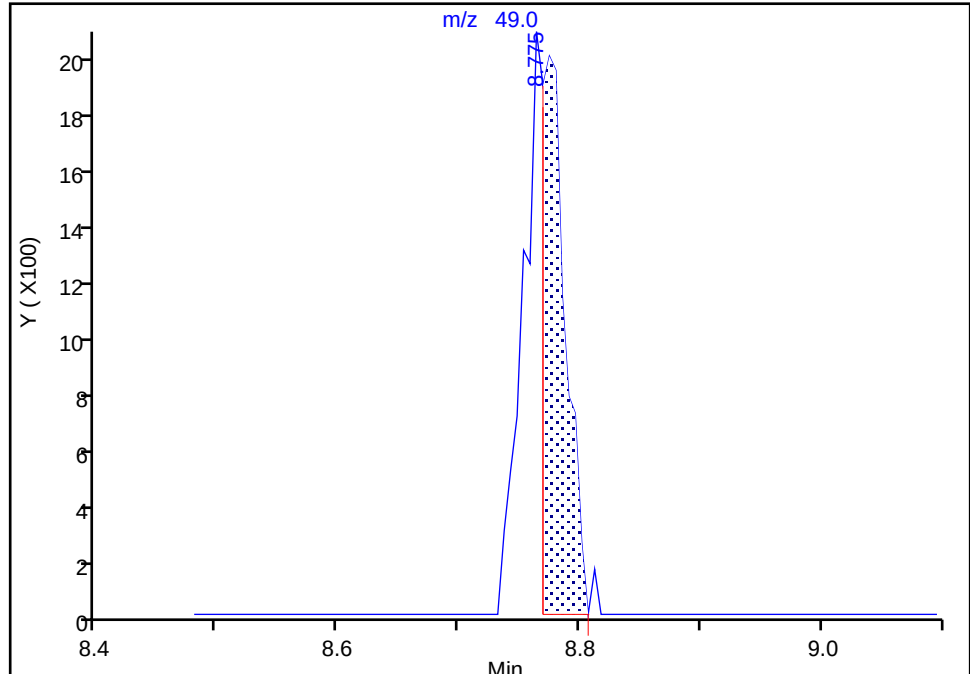
Detector: MS SCAN

27 Methylene Chloride, CAS: 75-09-2

Signal: 1

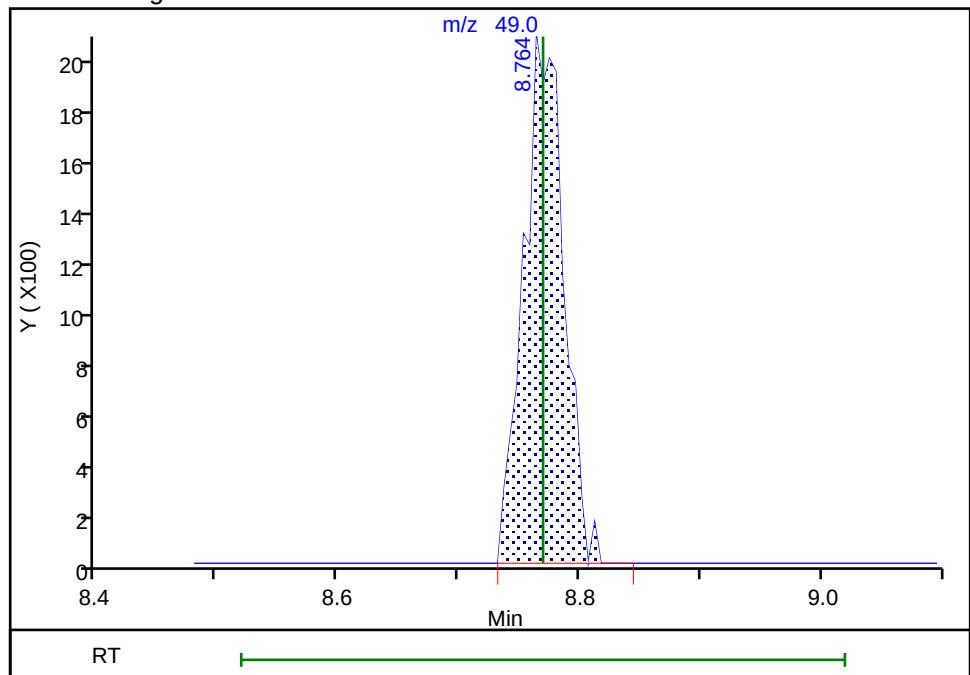
RT: 8.77
Area: 2779
Amount: 0.126398
Amount Units: ppb v/v

Processing Integration Results



RT: 8.76
Area: 4793
Amount: 0.187352
Amount Units: ppb v/v

Manual Integration Results



Reviewer: phamvu, 22-Jan-2020 08:42:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-05.D

Injection Date: 21-Jan-2020 19:27:30

Instrument ID: CHX.i

Lims ID: ic

Client ID:

Operator ID: ggg

ALS Bottle#:

7

Worklist Smp#: 5

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

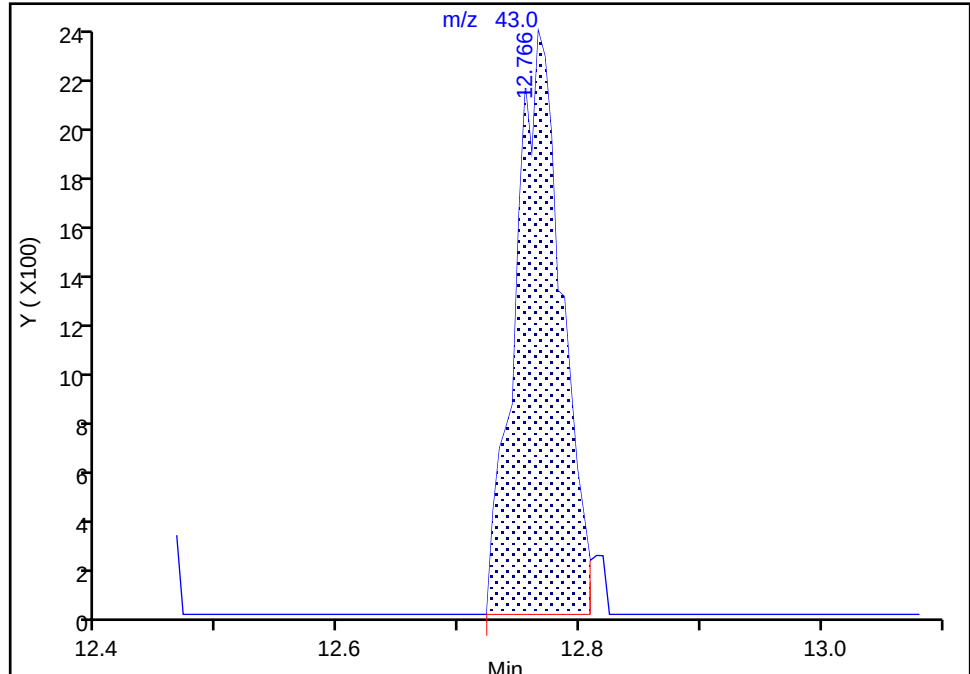
Detector: MS SCAN

49 n-Heptane, CAS: 142-82-5

Signal: 1

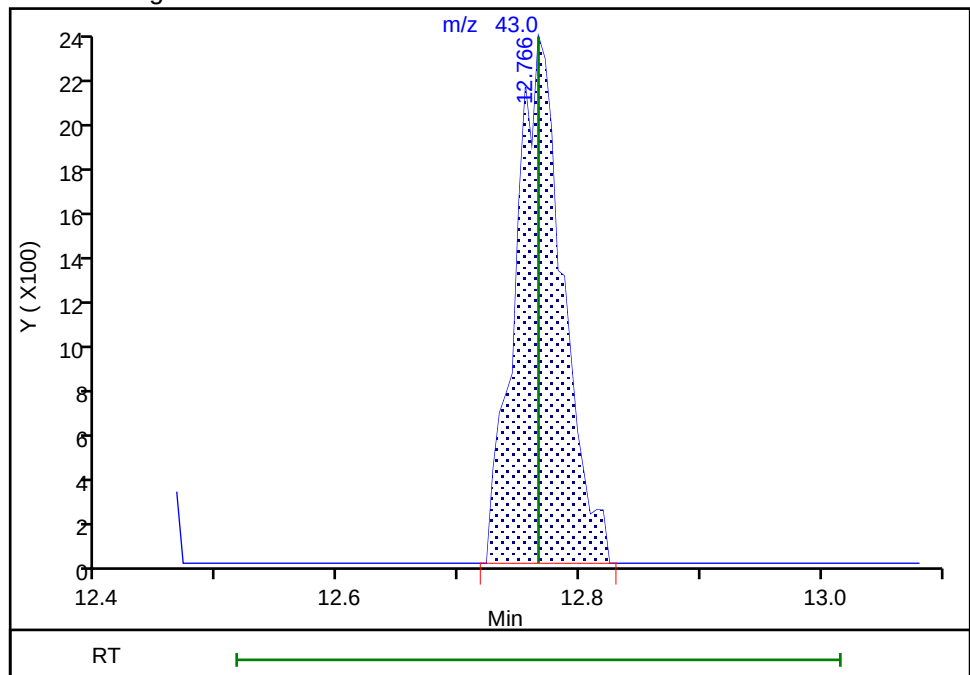
RT: 12.77
Area: 6385
Amount: 0.190681
Amount Units: ppb v/v

Processing Integration Results



RT: 12.77
Area: 6540
Amount: 0.165690
Amount Units: ppb v/v

Manual Integration Results



Reviewer: phamvu, 22-Jan-2020 08:42:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-06.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 21-Jan-2020 20:17:30 ALS Bottle#: 8 Worklist Smp#: 6
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0039662-006
 Misc. Info.: ic3
 Operator ID: ggg Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub1
 Method: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 23-Jan-2020 10:26:43 Calib Date: 22-Jan-2020 04:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-16.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0319

First Level Reviewer: phamvu

Date: 22-Jan-2020 08:45:47

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	4.094	4.083	0.011	99	16597	0.4504	0.5464	
2 Dichlorodifluoromethane	85	4.179	4.174	0.005	99	54431	0.4765	0.5360	
3 Chlorodifluoromethane	51	4.249	4.233	0.016	97	27764	0.4765	0.4873	
4 1,2-Dichloro-1,1,2,2-tetra	85	4.511	4.500	0.011	90	57356	0.4770	0.4968	
5 Chloromethane	50	4.704	4.688	0.016	99	17949	0.4504	0.4898	
6 Butane	43	4.934	4.923	0.011	98	23410	0.4504	0.5136	
7 Vinyl chloride	62	4.993	4.976	0.017	98	16548	0.4504	0.5105	
8 Butadiene	54	5.078	5.062	0.016	92	9225	0.4504	0.4679	
10 Bromomethane	94	5.870	5.859	0.011	96	20778	0.4504	0.4644	
11 Chloroethane	64	6.127	6.111	0.016	98	10902	0.4761	0.5164	
12 2-Methylbutane	43	6.186	6.175	0.011	90	20217	0.4504	0.4734	
13 Vinyl bromide	106	6.539	6.528	0.011	99	21078	0.4504	0.4777	
14 Trichlorofluoromethane	101	6.630	6.624	0.006	98	55306	0.4504	0.4822	
16 Pentane	43	6.774	6.758	0.016	99	27906	0.4504	0.4655	
17 Ethanol	45	7.191	7.175	0.016	98	74045	4.51	5.48	
18 Ethyl ether	59	7.288	7.277	0.011	92	11408	0.4504	0.4755	
19 Acrolein	56	7.684	7.667	0.017	36	4841	0.4504	0.5253	
20 1,1,2-Trichloro-1,2,2-trif	101	7.684	7.683	0.001	91	42836	0.4810	0.5135	
21 1,1-Dichloroethene	96	7.753	7.742	0.011	92	19858	0.4504	0.4711	
22 Acetone	43	7.978	7.962	0.016	96	29031	0.4504	0.6691	
23 Carbon disulfide	76	8.149	8.144	0.006	98	43429	0.4504	0.4598	
24 Isopropyl alcohol	45	8.240	8.213	0.027	100	20715	0.4504	0.5601	
25 3-Chloro-1-propene	41	8.497	8.491	0.006	96	11826	0.4833	0.4492	
26 Acetonitrile	41	8.625	8.614	0.011	99	7360	0.4504	0.4578	
27 Methylene Chloride	49	8.780	8.769	0.011	80	12112	0.4504	0.4376	
28 2-Methyl-2-propanol	59	8.967	8.935	0.032	94	26316	0.4864	0.4817	
29 Methyl tert-butyl ether	73	9.144	9.123	0.022	95	45113	0.4756	0.4933	
31 trans-1,2-Dichloroethene	61	9.176	9.176	0.000	91	20001	0.4504	0.4617	
32 Acrylonitrile	53	9.326	9.320	0.006	93	8206	0.4504	0.4354	
33 Hexane	57	9.519	9.513	0.005	89	20185	0.4504	0.4688	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
S 30 1,2-Dichloroethene, Total	61				0		0.9008	0.9376	
34 1,1-Dichloroethane	63	9.995	9.995	0.001	99	25369	0.4504	0.4712	
35 Vinyl acetate	43	10.053	10.043	0.010	98	21893	0.4504	0.3967	
37 cis-1,2-Dichloroethene	96	11.038	11.032	0.006	84	18716	0.4504	0.4759	
38 2-Butanone (MEK)	72	11.081	11.064	0.017	98	8124	0.4504	0.4940	
39 Ethyl acetate	88	11.102	11.086	0.016	96	1401	0.4504	0.4576	
* 40 Chlorobromomethane	128	11.466	11.466	0.000	73	291654	10.0	10.0	
41 Tetrahydrofuran	42	11.487	11.466	0.021	84	11349	0.4504	0.4646	
42 Chloroform	83	11.578	11.573	0.005	95	36409	0.4504	0.4736	
43 Cyclohexane	84	11.814	11.803	0.011	93	22167	0.4504	0.4659	
44 1,1,1-Trichloroethane	97	11.830	11.829	0.001	92	41540	0.4504	0.4732	
45 Carbon tetrachloride	117	12.060	12.059	0.001	96	44256	0.4504	0.4633	
46 Isooctane	57	12.429	12.423	0.006	98	61813	0.4504	0.4599	
47 Benzene	78	12.482	12.477	0.005	93	50781	0.4504	0.4716	
48 1,2-Dichloroethane	62	12.648	12.643	0.005	98	20597	0.4504	0.4663	
49 n-Heptane	43	12.760	12.766	-0.006	87	19510	0.4504	0.4595	
* 50 1,4-Difluorobenzene	114	13.215	13.215	0.000	91	1375034	10.0	10.0	
52 n-Butanol	56	13.563	13.536	0.027	84	8862	0.4103	0.5473	
53 Trichloroethene	95	13.643	13.638	0.005	93	24541	0.4504	0.4685	
54 1,2-Dichloropropane	63	14.130	14.130	0.000	88	15645	0.4504	0.4722	
55 Methyl methacrylate	69	14.258	14.248	0.010	90	13513	0.4504	0.3994	
56 1,4-Dioxane	88	14.333	14.317	0.016	77	10942	0.4504	0.4994	
57 Dibromomethane	174	14.365	14.360	0.005	86	32570	0.4504	0.4727	
58 Dichlorobromomethane	83	14.617	14.611	0.006	97	34305	0.4504	0.4405	
60 cis-1,3-Dichloropropene	75	15.451	15.441	0.011	88	24757	0.4504	0.4263	
61 4-Methyl-2-pentanone (MIBK)	43	15.703	15.687	0.016	91	24279	0.4504	0.4324	
65 Toluene	92	15.981	15.975	0.006	93	39156	0.4504	0.4777	
64 n-Octane	43	16.002	16.002	0.000	82	26447	0.4504	0.4668	
66 trans-1,3-Dichloropropene	75	16.537	16.537	0.000	93	25925	0.4504	0.4412	
67 1,1,2-Trichloroethane	83	16.896	16.896	0.000	93	19547	0.4504	0.4722	
68 Tetrachloroethene	166	17.008	16.997	0.011	96	49101	0.4504	0.4802	
69 2-Hexanone	43	17.329	17.318	0.011	98	25797	0.4504	0.4256	
71 Chlorodibromomethane	129	17.655	17.650	0.005	97	41028	0.4774	0.4278	
72 Ethylene Dibromide	107	17.918	17.917	0.001	99	37239	0.4801	0.4730	
* 74 Chlorobenzene-d5	117	18.795	18.795	0.000	82	1288406	10.0	10.0	
75 Chlorobenzene	112	18.854	18.854	0.000	98	65822	0.4729	0.5050	
76 Ethylbenzene	91	18.998	18.998	0.000	96	91855	0.4504	0.4617	
77 n-Nonane	57	19.105	19.105	0.000	85	33366	0.4504	0.4542	
78 m-Xylene & p-Xylene	106	19.244	19.244	0.000	0	78849	0.9008	0.9403	
S 73 Xylenes, Total	106				0		1.35	1.39	
79 o-Xylene	106	20.084	20.084	0.000	97	36506	0.4504	0.4526	
80 Styrene	104	20.138	20.138	0.000	92	44933	0.4504	0.3863	
81 Bromoform	173	20.576	20.576	0.000	98	28992	0.4504	0.2971	
82 Isopropylbenzene	105	20.769	20.769	0.000	94	107640	0.4504	0.4547	
84 1,1,2,2-Tetrachloroethane	83	21.438	21.438	0.000	98	48731	0.4504	0.4540	
85 N-Propylbenzene	91	21.496	21.496	0.000	100	118928	0.4504	0.4536	
86 1,2,3-Trichloropropane	75	21.539	21.534	0.005	94	40647	0.4792	0.5048	
87 n-Decane	57	21.662	21.662	0.000	90	42164	0.4504	0.4612	
88 4-Ethyltoluene	105	21.684	21.684	0.000	97	105836	0.4504	0.4673	
89 2-Chlorotoluene	91	21.700	21.694	0.006	96	88869	0.4504	0.4768	
90 1,3,5-Trimethylbenzene	105	21.791	21.791	0.000	94	94000	0.4504	0.4629	
91 Alpha Methyl Styrene	118	22.165	22.165	0.000	92	33532	0.4504	0.3466	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
92 tert-Butylbenzene	119	22.283	22.283	0.000	95	97130	0.4504	0.4693	
93 1,2,4-Trimethylbenzene	105	22.379	22.379	0.000	96	90332	0.4504	0.4559	
94 sec-Butylbenzene	105	22.609	22.609	0.000	99	136032	0.4504	0.4626	
95 4-Isopropyltoluene	119	22.813	22.807	0.006	97	117377	0.4729	0.4727	
96 1,3-Dichlorobenzene	146	22.845	22.844	0.001	94	62303	0.4504	0.4290	
97 1,4-Dichlorobenzene	146	22.984	22.984	0.000	97	56187	0.4504	0.4116	
98 Benzyl chloride	91	23.182	23.182	0.000	99	38972	0.4504	0.3036	
100 n-Butylbenzene	91	23.380	23.379	0.001	97	91766	0.4734	0.4678	
99 Undecane	57	23.401	23.401	0.000	91	44145	0.4828	0.4755	
101 1,2-Dichlorobenzene	146	23.513	23.513	0.000	99	64646	0.4846	0.4712	
102 Dodecane	57	24.968	24.968	0.000	96	28389	0.4792	0.3817	
103 1,2,4-Trichlorobenzene	180	25.990	25.990	0.000	93	33030	0.4945	0.3782	
104 Hexachlorobutadiene	225	26.167	26.167	0.000	95	63998	0.4887	0.4829	
105 Naphthalene	128	26.466	26.466	0.000	99	78611	0.4729	0.4549	
106 1,2,3-Trichlorobenzene	180	26.942	26.937	0.005	96	43278	0.4891	0.4848	

Reagents:

ATTO15CAL2w_00286

Amount Added: 180.00

Units: mL

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 23-Jan-2020 10:26:43

Chrom Revision: 2.3 14-Jan-2020 22:23:42

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-06.D

Injection Date: 21-Jan-2020 20:17:30

Instrument ID: CHX.i

Operator ID: ggg

Lims ID: ic

Worklist Smp#: 6

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

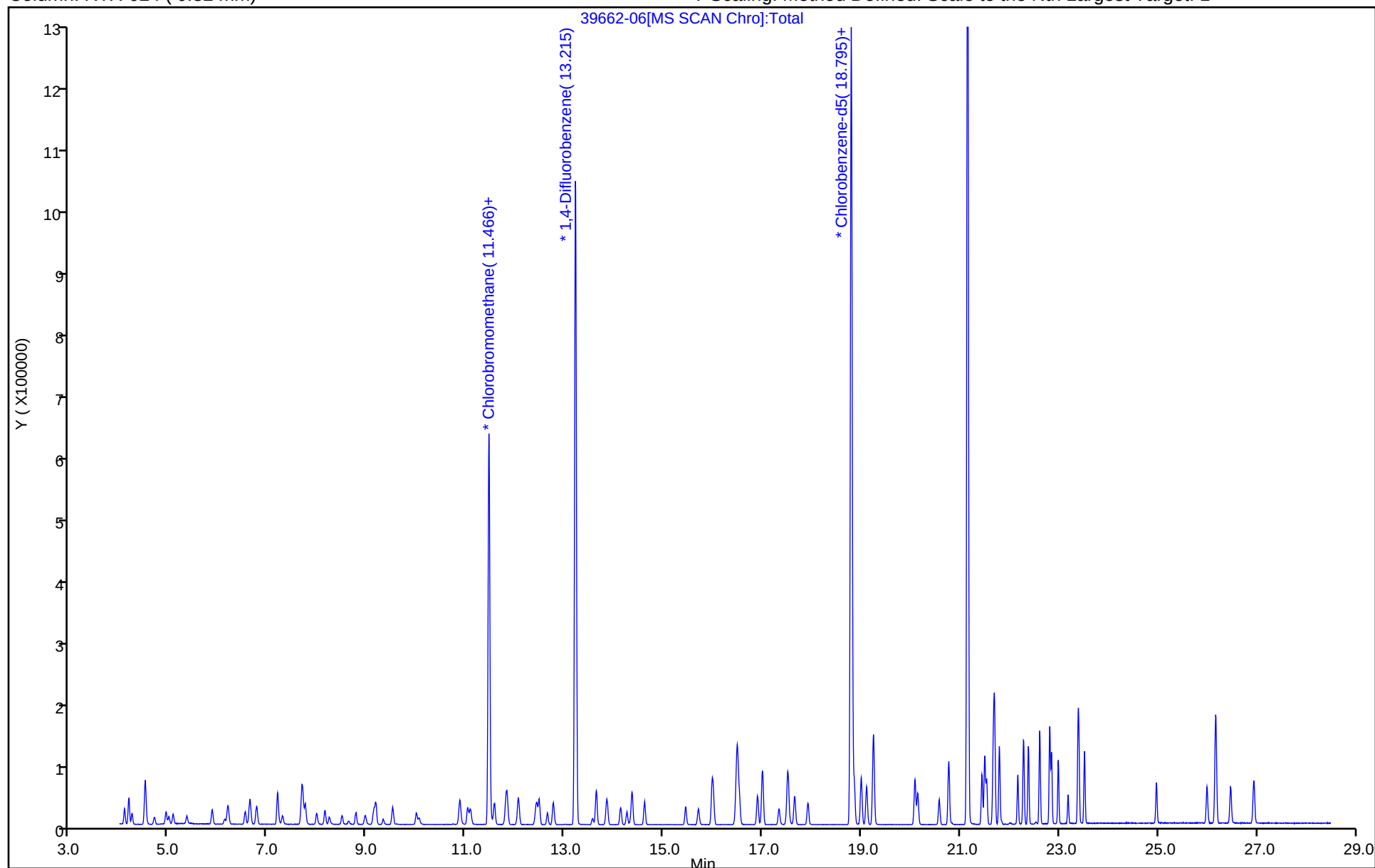
ALS Bottle#: 8

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-07.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 21-Jan-2020 21:07:30 ALS Bottle#: 9 Worklist Smp#: 7
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0039662-007
 Misc. Info.: ic4
 Operator ID: ggg Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub1
 Method: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 23-Jan-2020 10:26:44 Calib Date: 22-Jan-2020 04:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-16.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0319

First Level Reviewer: phamvu

Date: 22-Jan-2020 08:47:24

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	4.099	4.083	0.016	97	142489	4.49	4.66	
2 Dichlorodifluoromethane	85	4.185	4.174	0.011	99	534985	4.75	5.23	
3 Chlorodifluoromethane	51	4.249	4.233	0.016	98	278870	4.75	4.86	
4 1,2-Dichloro-1,1,2,2-tetra	85	4.516	4.500	0.016	90	577242	4.76	4.96	
5 Chloromethane	50	4.704	4.688	0.016	99	168204	4.49	4.55	
6 Butane	43	4.939	4.923	0.016	98	223039	4.49	4.86	
7 Vinyl chloride	62	4.993	4.976	0.017	98	163114	4.49	4.99	
8 Butadiene	54	5.078	5.062	0.016	91	96290	4.49	4.85	
10 Bromomethane	94	5.875	5.859	0.016	99	216813	4.49	4.81	
11 Chloroethane	64	6.127	6.111	0.016	98	104073	4.75	4.89	
12 2-Methylbutane	43	6.186	6.175	0.011	92	197537	4.49	4.59	
13 Vinyl bromide	106	6.539	6.528	0.011	99	212693	4.49	4.78	
14 Trichlorofluoromethane	101	6.635	6.624	0.011	99	540426	4.49	4.68	
16 Pentane	43	6.769	6.758	0.011	98	277199	4.49	4.59	
17 Ethanol	45	7.186	7.175	0.011	98	136268	8.99	10.0	
18 Ethyl ether	59	7.288	7.277	0.011	93	111648	4.49	4.62	
19 Acrolein	56	7.678	7.667	0.011	95	37111	4.49	4.00	
20 1,1,2-Trichloro-1,2,2-trif	101	7.689	7.683	0.006	93	421925	4.80	5.02	
21 1,1-Dichloroethene	96	7.758	7.742	0.016	92	196500	4.49	4.63	
22 Acetone	43	7.972	7.962	0.010	96	189614	4.49	4.34	
23 Carbon disulfide	76	8.154	8.144	0.011	98	447180	4.49	4.70	
24 Isopropyl alcohol	45	8.224	8.213	0.011	100	176392	4.49	4.73	
25 3-Chloro-1-propene	41	8.497	8.491	0.006	95	122711	4.82	4.63	
26 Acetonitrile	41	8.625	8.614	0.011	98	64301	4.49	3.97	
27 Methylene Chloride	49	8.775	8.769	0.006	80	113114	4.49	4.06	
28 2-Methyl-2-propanol	59	8.946	8.935	0.011	93	281964	4.85	5.12	
29 Methyl tert-butyl ether	73	9.128	9.123	0.006	95	461674	4.74	5.01	
31 trans-1,2-Dichloroethene	61	9.181	9.176	0.005	91	203929	4.49	4.67	
32 Acrylonitrile	53	9.320	9.320	0.000	97	85742	4.49	4.51	
33 Hexane	57	9.518	9.513	0.005	88	203159	4.49	4.68	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
S 30 1,2-Dichloroethene, Total	61				0		8.99	9.39	
34 1,1-Dichloroethane	63	10.000	9.995	0.006	99	251611	4.49	4.64	
35 Vinyl acetate	43	10.048	10.043	0.005	99	241728	4.49	4.35	
37 cis-1,2-Dichloroethene	96	11.032	11.032	0.000	84	186861	4.49	4.72	
38 2-Butanone (MEK)	72	11.070	11.064	0.006	100	76072	4.49	4.59	
39 Ethyl acetate	88	11.091	11.086	0.005	98	14487	4.49	4.70	
* 40 Chlorobromomethane	128	11.466	11.466	0.000	75	293877	10.0	10.0	
41 Tetrahydrofuran	42	11.471	11.466	0.005	83	110222	4.49	4.50	
42 Chloroform	83	11.578	11.573	0.005	94	362668	4.49	4.68	
43 Cyclohexane	84	11.808	11.803	0.005	90	225833	4.49	4.73	
44 1,1,1-Trichloroethane	97	11.835	11.829	0.006	93	418745	4.49	4.75	
45 Carbon tetrachloride	117	12.060	12.059	0.001	97	464438	4.49	4.84	
46 Isooctane	57	12.429	12.423	0.006	99	642259	4.49	4.76	
47 Benzene	78	12.482	12.477	0.005	93	506711	4.49	4.69	
48 1,2-Dichloroethane	62	12.648	12.643	0.005	99	206332	4.49	4.66	
49 n-Heptane	43	12.766	12.766	0.000	84	202156	4.49	4.74	
* 50 1,4-Difluorobenzene	114	13.220	13.215	0.005	91	1379917	10.0	10.0	
52 n-Butanol	56	13.552	13.536	0.016	84	68540	4.09	4.22	
53 Trichloroethene	95	13.638	13.638	0.000	94	250892	4.49	4.77	
54 1,2-Dichloropropane	63	14.135	14.130	0.005	91	156229	4.49	4.70	
55 Methyl methacrylate	69	14.253	14.248	0.005	94	158107	4.49	4.66	
56 1,4-Dioxane	88	14.322	14.317	0.005	85	108883	4.49	4.95	
57 Dibromomethane	174	14.365	14.360	0.005	86	341780	4.49	4.94	
58 Dichlorobromomethane	83	14.611	14.611	0.000	97	370167	4.49	4.74	
60 cis-1,3-Dichloropropene	75	15.446	15.441	0.006	88	278444	4.49	4.78	
61 4-Methyl-2-pentanone (MIBK)	43	15.692	15.687	0.005	92	265895	4.49	4.72	
65 Toluene	92	15.976	15.975	0.001	94	395835	4.49	4.80	
64 n-Octane	43	16.008	16.002	0.006	84	282071	4.49	4.96	
66 trans-1,3-Dichloropropene	75	16.537	16.537	0.000	93	279769	4.49	4.74	
67 1,1,2-Trichloroethane	83	16.901	16.896	0.005	93	199088	4.49	4.78	
68 Tetrachloroethene	166	17.003	16.997	0.006	95	495166	4.49	4.81	
69 2-Hexanone	43	17.324	17.318	0.006	98	280440	4.49	4.60	
71 Chlorodibromomethane	129	17.650	17.650	0.000	98	476648	4.76	4.94	
72 Ethylene Dibromide	107	17.917	17.917	0.000	98	408806	4.79	5.16	
* 74 Chlorobenzene-d5	117	18.795	18.795	0.000	82	1296059	10.0	10.0	
75 Chlorobenzene	112	18.854	18.854	0.000	99	654420	4.72	4.99	
76 Ethylbenzene	91	18.998	18.998	0.000	96	973374	4.49	4.86	
77 n-Nonane	57	19.105	19.105	0.000	83	366283	4.49	4.96	
78 m-Xylene & p-Xylene	106	19.244	19.244	0.000	0	830890	8.99	9.85	
S 73 Xylenes, Total	106				0		13.5	14.8	
79 o-Xylene	106	20.084	20.084	0.000	98	401255	4.49	4.95	
80 Styrene	104	20.138	20.138	0.000	95	591805	4.49	5.06	
81 Bromoform	173	20.576	20.576	0.000	99	403488	4.49	4.11	
82 Isopropylbenzene	105	20.769	20.769	0.000	94	1172304	4.49	4.92	
84 1,1,2,2-Tetrachloroethane	83	21.438	21.438	0.000	99	512313	4.49	4.74	
85 N-Propylbenzene	91	21.496	21.496	0.000	100	1291122	4.49	4.90	
86 1,2,3-Trichloropropane	75	21.534	21.534	0.000	94	408305	4.78	5.04	
87 n-Decane	57	21.662	21.662	0.000	92	468685	4.49	5.10	
88 4-Ethyltoluene	105	21.684	21.684	0.000	97	1132027	4.49	4.97	
89 2-Chlorotoluene	91	21.700	21.694	0.006	96	911656	4.49	4.86	
90 1,3,5-Trimethylbenzene	105	21.791	21.791	0.000	94	986636	4.49	4.83	
91 Alpha Methyl Styrene	118	22.165	22.165	0.000	92	501613	4.49	5.15	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
92 tert-Butylbenzene	119	22.283	22.283	0.000	95	1015013	4.49	4.88	
93 1,2,4-Trimethylbenzene	105	22.379	22.379	0.000	96	975809	4.49	4.90	
94 sec-Butylbenzene	105	22.609	22.609	0.000	99	1444269	4.49	4.88	
95 4-Isopropyltoluene	119	22.807	22.807	0.000	97	1278953	4.72	5.12	
96 1,3-Dichlorobenzene	146	22.845	22.844	0.001	94	689475	4.49	4.72	
97 1,4-Dichlorobenzene	146	22.984	22.984	0.000	97	640048	4.49	4.66	
98 Benzyl chloride	91	23.182	23.182	0.000	100	638661	4.49	4.95	
100 n-Butylbenzene	91	23.380	23.379	0.001	97	1038219	4.72	5.26	
99 Undecane	57	23.401	23.401	0.000	91	516150	4.82	5.53	
101 1,2-Dichlorobenzene	146	23.513	23.513	0.000	99	698170	4.83	5.06	
102 Dodecane	57	24.968	24.968	0.000	96	410751	4.78	5.49	
103 1,2,4-Trichlorobenzene	180	25.990	25.990	0.000	93	433465	4.93	4.93	
104 Hexachlorobutadiene	225	26.167	26.167	0.000	94	663373	4.88	4.98	
105 Naphthalene	128	26.466	26.466	0.000	99	885725	4.72	5.10	
106 1,2,3-Trichlorobenzene	180	26.937	26.937	0.000	95	452505	4.88	5.04	

Reagents:

ATTO15CAL3w_00219

Amount Added: 180.00

Units: mL

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 23-Jan-2020 10:26:44

Chrom Revision: 2.3 14-Jan-2020 22:23:42

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-07.D

Injection Date: 21-Jan-2020 21:07:30

Instrument ID: CHX.i

Operator ID: ggg

Lims ID: ic

Worklist Smp#: 7

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

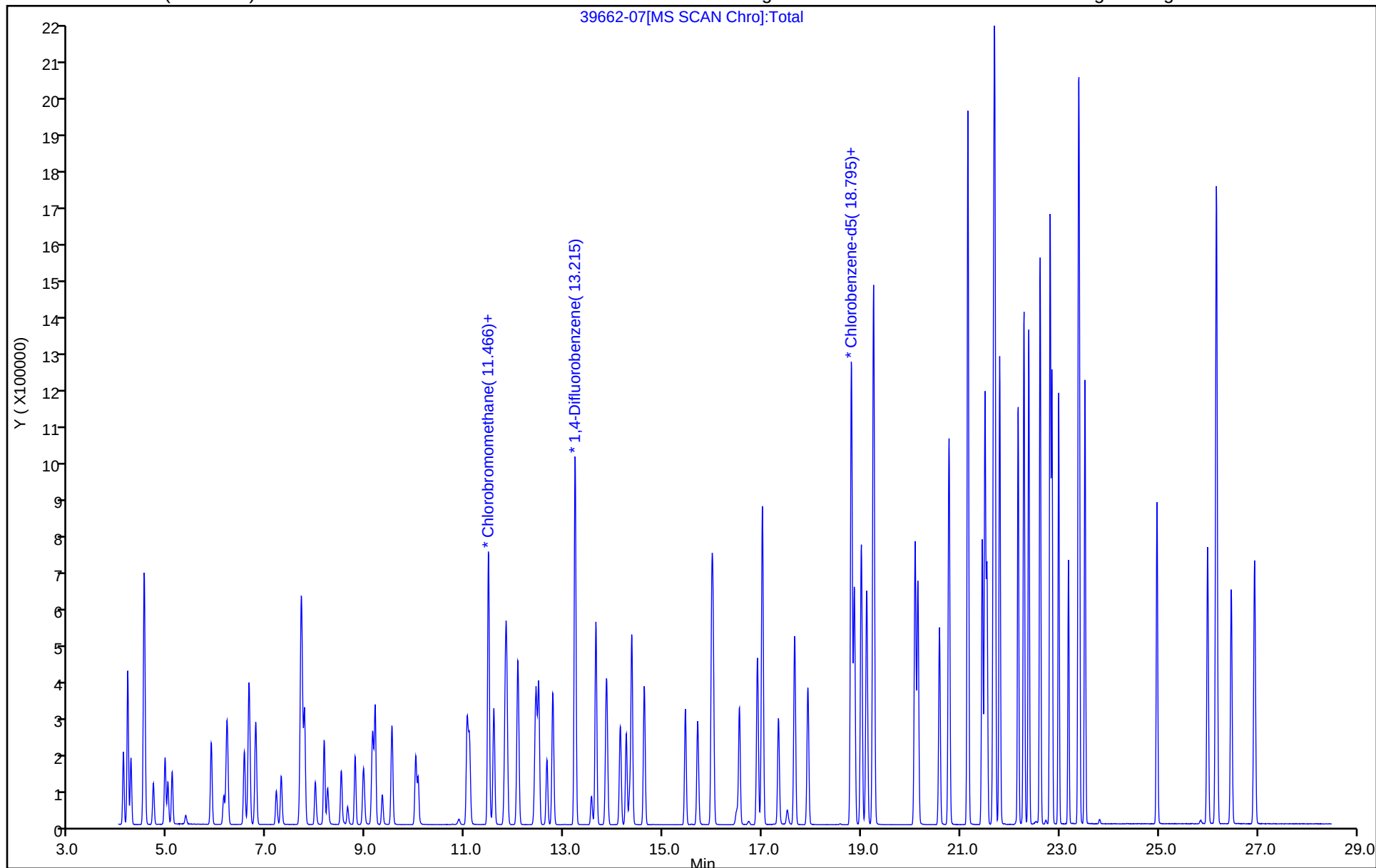
ALS Bottle#: 9

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-08.D
 Lims ID: icis
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 21-Jan-2020 21:57:30 ALS Bottle#: 10 Worklist Smp#: 8
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0039662-008
 Misc. Info.: icis
 Operator ID: ggg Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub1
 Method: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 23-Jan-2020 10:26:45 Calib Date: 22-Jan-2020 04:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-16.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0319

First Level Reviewer: phamvu

Date: 22-Jan-2020 08:33:40

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	4.083	4.083	0.000	97	260496	10.0	8.94	
2 Dichlorodifluoromethane	85	4.174	4.174	0.000	99	872519	10.6	8.96	
3 Chlorodifluoromethane	51	4.233	4.233	0.000	98	527610	10.6	9.66	
4 1,2-Dichloro-1,1,2,2-tetra	85	4.500	4.500	0.000	96	1055961	10.6	9.54	
5 Chloromethane	50	4.688	4.688	0.000	99	311517	10.0	8.87	
6 Butane	43	4.923	4.923	0.000	98	373012	10.0	8.53	
7 Vinyl chloride	62	4.976	4.976	0.000	98	273940	10.0	8.81	
8 Butadiene	54	5.062	5.062	0.000	91	164916	10.0	8.72	
10 Bromomethane	94	5.859	5.859	0.000	99	394803	10.0	9.20	
11 Chloroethane	64	6.111	6.111	0.000	99	192076	10.6	9.49	
12 2-Methylbutane	43	6.175	6.175	0.000	91	366363	10.0	8.95	
13 Vinyl bromide	106	6.528	6.528	0.000	99	385962	10.0	9.12	
14 Trichlorofluoromethane	101	6.624	6.624	0.000	98	999901	10.0	9.09	
16 Pentane	43	6.758	6.758	0.000	99	505313	10.0	8.79	
17 Ethanol	45	7.175	7.175	0.000	98	180961	15.0	14.0	
18 Ethyl ether	59	7.277	7.277	0.000	93	202774	10.0	8.82	
19 Acrolein	56	7.667	7.667	0.000	97	75095	10.0	8.50	
20 1,1,2-Trichloro-1,2,2-trif	101	7.683	7.683	0.000	92	761184	10.7	9.52	
21 1,1-Dichloroethene	96	7.742	7.742	0.000	93	354368	10.0	8.77	
22 Acetone	43	7.962	7.962	0.000	96	346324	10.0	8.33	
23 Carbon disulfide	76	8.144	8.144	0.000	98	791796	10.0	8.74	
24 Isopropyl alcohol	45	8.213	8.213	0.000	100	340423	10.0	9.60	
25 3-Chloro-1-propene	41	8.491	8.491	0.000	95	266785	10.7	10.6	
26 Acetonitrile	41	8.614	8.614	0.000	98	150986	10.0	9.79	
27 Methylene Chloride	49	8.769	8.769	0.000	83	256031	10.0	9.65	
28 2-Methyl-2-propanol	59	8.935	8.935	0.000	93	510763	10.8	9.75	
29 Methyl tert-butyl ether	73	9.123	9.123	0.000	95	842074	10.6	9.60	
31 trans-1,2-Dichloroethene	61	9.176	9.176	0.000	90	370021	10.0	8.91	
32 Acrylonitrile	53	9.320	9.320	0.000	96	159654	10.0	8.83	
33 Hexane	57	9.513	9.513	0.000	88	372101	10.0	9.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
S 30 1,2-Dichloroethene, Total	61				0		20.0	18.1	
34 1,1-Dichloroethane	63	9.995	9.995	0.000	99	460675	10.0	8.92	
35 Vinyl acetate	43	10.043	10.043	0.000	99	470230	10.0	8.89	
37 cis-1,2-Dichloroethene	96	11.032	11.032	0.000	85	346690	10.0	9.19	
38 2-Butanone (MEK)	72	11.064	11.064	0.000	99	142181	10.0	9.02	
39 Ethyl acetate	88	11.086	11.086	0.000	99	26736	10.0	9.11	
* 40 Chlorobromomethane	128	11.466	11.466	0.000	71	279623	10.0	10.0	
41 Tetrahydrofuran	42	11.466	11.466	0.000	84	211310	10.0	8.92	
42 Chloroform	83	11.573	11.573	0.000	95	665027	10.0	9.02	
43 Cyclohexane	84	11.803	11.803	0.000	90	417191	10.0	9.05	
44 1,1,1-Trichloroethane	97	11.829	11.829	0.000	93	765046	10.0	8.99	
45 Carbon tetrachloride	117	12.059	12.059	0.000	96	852390	10.0	9.21	
46 Isooctane	57	12.423	12.423	0.000	99	1191099	10.0	9.14	
47 Benzene	78	12.477	12.477	0.000	94	935074	10.0	8.96	
48 1,2-Dichloroethane	62	12.643	12.643	0.000	99	379728	10.0	8.87	
49 n-Heptane	43	12.766	12.766	0.000	84	375483	10.0	9.12	
* 50 1,4-Difluorobenzene	114	13.215	13.215	0.000	91	1332705	10.0	10.0	
52 n-Butanol	56	13.536	13.536	0.000	83	126912	9.11	8.09	
53 Trichloroethene	95	13.638	13.638	0.000	94	455965	10.0	8.98	
54 1,2-Dichloropropane	63	14.130	14.130	0.000	91	286569	10.0	8.92	
55 Methyl methacrylate	69	14.248	14.248	0.000	94	302948	10.0	9.24	
56 1,4-Dioxane	88	14.317	14.317	0.000	85	197119	10.0	9.28	
57 Dibromomethane	174	14.360	14.360	0.000	87	596297	10.0	8.93	
58 Dichlorobromomethane	83	14.611	14.611	0.000	97	700962	10.0	9.29	
60 cis-1,3-Dichloropropene	75	15.441	15.441	0.000	88	528956	10.0	9.40	
61 4-Methyl-2-pentanone (MIBK)	43	15.687	15.687	0.000	92	488929	10.0	8.98	
65 Toluene	92	15.975	15.975	0.000	94	731339	10.0	9.03	
64 n-Octane	43	16.002	16.002	0.000	85	514810	10.0	9.37	
66 trans-1,3-Dichloropropene	75	16.537	16.537	0.000	93	530245	10.0	9.31	
67 1,1,2-Trichloroethane	83	16.896	16.896	0.000	94	367848	10.0	8.99	
68 Tetrachloroethene	166	16.997	16.997	0.000	94	916009	10.0	9.07	
69 2-Hexanone	43	17.318	17.318	0.000	98	526800	10.0	8.80	
71 Chlorodibromomethane	129	17.650	17.650	0.000	98	972062	10.6	10.3	
72 Ethylene Dibromide	107	17.917	17.917	0.000	100	766839	10.7	9.86	
* 74 Chlorobenzene-d5	117	18.795	18.795	0.000	82	1273026	10.0	10.0	
75 Chlorobenzene	112	18.854	18.854	0.000	98	1210477	10.5	9.40	
76 Ethylbenzene	91	18.998	18.998	0.000	96	1806078	10.0	9.19	
77 n-Nonane	57	19.105	19.105	0.000	83	684688	10.0	9.43	
78 m-Xylene & p-Xylene	106	19.244	19.244	0.000	0	1541439	20.0	18.6	
S 73 Xylenes, Total	106				0		30.0	27.9	
79 o-Xylene	106	20.084	20.084	0.000	98	742393	10.0	9.32	
80 Styrene	104	20.138	20.138	0.000	94	1138631	10.0	9.91	
81 Bromoform	173	20.576	20.576	0.000	99	1009018	10.0	10.5	
82 Isopropylbenzene	105	20.769	20.769	0.000	94	2164512	10.0	9.25	
84 1,1,2,2-Tetrachloroethane	83	21.438	21.438	0.000	99	961731	10.0	9.07	
85 N-Propylbenzene	91	21.496	21.496	0.000	100	2398321	10.0	9.26	
86 1,2,3-Trichloropropane	75	21.534	21.534	0.000	95	752515	10.6	9.46	
87 n-Decane	57	21.662	21.662	0.000	91	851580	10.0	9.43	
88 4-Ethyltoluene	105	21.684	21.684	0.000	97	2096833	10.0	9.37	
89 2-Chlorotoluene	91	21.694	21.694	0.000	96	1687008	10.0	9.16	
90 1,3,5-Trimethylbenzene	105	21.791	21.791	0.000	94	1829300	10.0	9.12	
91 Alpha Methyl Styrene	118	22.165	22.165	0.000	93	958867	10.0	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
92 tert-Butylbenzene	119	22.283	22.283	0.000	95	1856610	10.0	9.08	
93 1,2,4-Trimethylbenzene	105	22.379	22.379	0.000	96	1797877	10.0	9.18	
94 sec-Butylbenzene	105	22.609	22.609	0.000	99	2664905	10.0	9.17	
95 4-Isopropyltoluene	119	22.807	22.807	0.000	97	2367118	10.5	9.65	
96 1,3-Dichlorobenzene	146	22.844	22.844	0.000	94	1320720	10.0	9.20	
97 1,4-Dichlorobenzene	146	22.984	22.984	0.000	97	1251624	10.0	9.28	
98 Benzyl chloride	91	23.182	23.182	0.000	100	1234532	10.0	9.73	
100 n-Butylbenzene	91	23.379	23.379	0.000	97	1914978	10.5	9.88	
99 Undecane	57	23.401	23.401	0.000	91	937946	10.7	10.2	
101 1,2-Dichlorobenzene	146	23.513	23.513	0.000	99	1306820	10.8	9.64	
102 Dodecane	57	24.968	24.968	0.000	96	730277	10.6	9.94	
103 1,2,4-Trichlorobenzene	180	25.990	25.990	0.000	93	868063	11.0	10.1	
104 Hexachlorobutadiene	225	26.167	26.167	0.000	94	1247401	10.8	9.53	
105 Naphthalene	128	26.466	26.466	0.000	99	1695892	10.5	9.93	
106 1,2,3-Trichlorobenzene	180	26.937	26.937	0.000	96	883211	10.9	10.0	

Reagents:

ATTO15CAL4w_00735

Amount Added: 200.00

Units: mL

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 23-Jan-2020 10:26:46

Chrom Revision: 2.3 14-Jan-2020 22:23:42

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-08.D

Injection Date: 21-Jan-2020 21:57:30

Instrument ID: CHX.i

Operator ID: ggg

Lims ID: icis

Worklist Smp#: 8

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

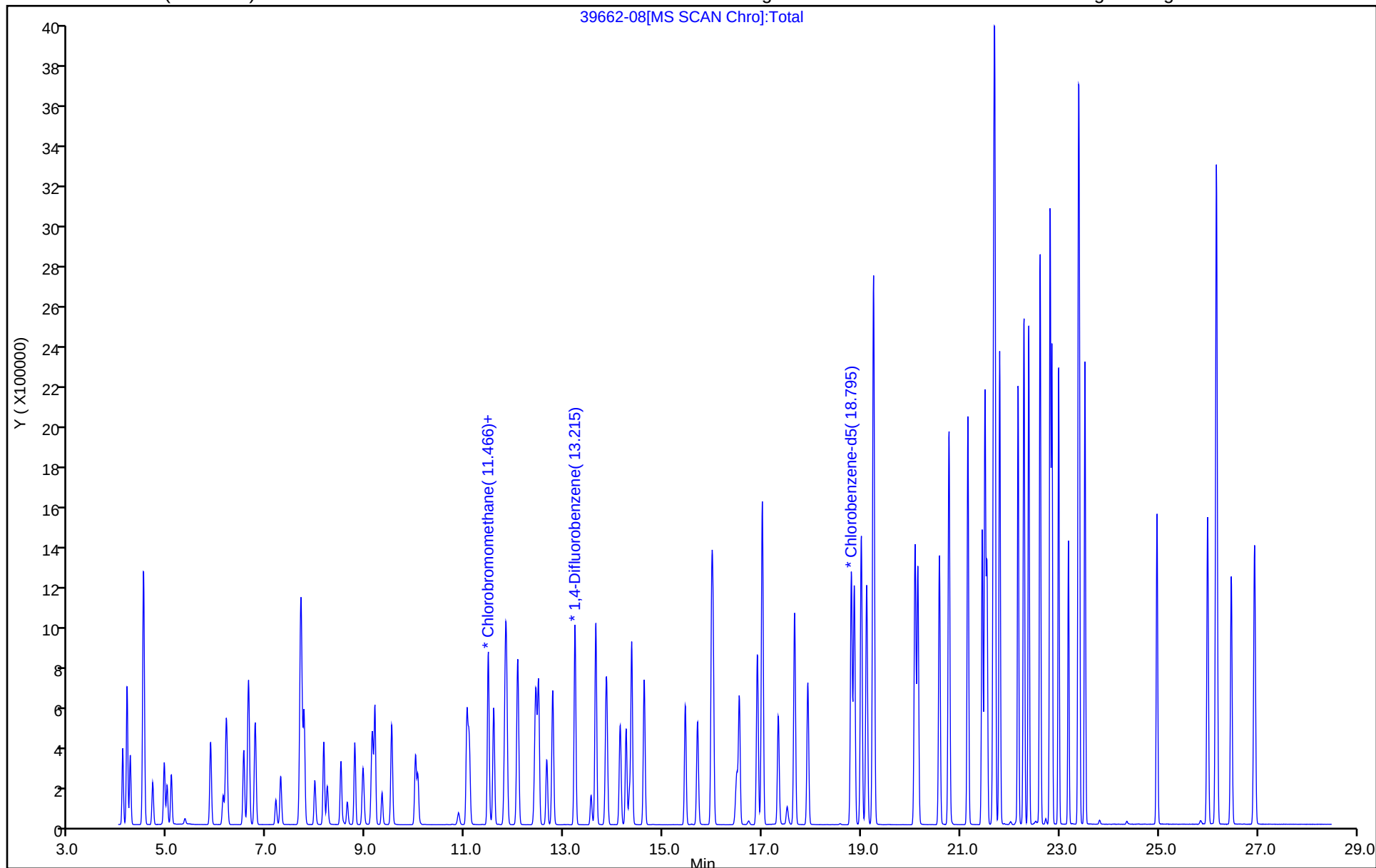
ALS Bottle#: 10

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-09.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 21-Jan-2020 22:47:30 ALS Bottle#: 11 Worklist Smp#: 9
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0039662-009
 Misc. Info.: ic6
 Operator ID: ggg Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub1
 Method: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 23-Jan-2020 10:26:47 Calib Date: 22-Jan-2020 04:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-16.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0319

First Level Reviewer: phamvu

Date: 22-Jan-2020 08:50:41

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	4.115	4.083	0.032	99	451410	15.0	15.5	
2 Dichlorodifluoromethane	85	4.201	4.174	0.027	99	1642727	15.9	16.9	
3 Chlorodifluoromethane	51	4.265	4.233	0.032	98	888578	15.9	16.3	
4 1,2-Dichloro-1,1,2,2-tetra	85	4.533	4.500	0.033	98	1799589	15.9	16.2	
5 Chloromethane	50	4.720	4.688	0.032	99	528675	15.0	15.0	
6 Butane	43	4.955	4.923	0.032	99	674026	15.0	15.4	
7 Vinyl chloride	62	5.009	4.976	0.033	98	493916	15.0	15.9	
8 Butadiene	54	5.094	5.062	0.032	91	302257	15.0	16.0	
10 Bromomethane	94	5.886	5.859	0.027	99	641756	15.0	14.9	
11 Chloroethane	64	6.137	6.111	0.026	99	322971	15.9	15.9	
12 2-Methylbutane	43	6.202	6.175	0.027	91	618910	15.0	15.1	
13 Vinyl bromide	106	6.549	6.528	0.021	99	655753	15.0	15.5	
14 Trichlorofluoromethane	101	6.646	6.624	0.022	99	1665595	15.0	15.1	
16 Pentane	43	6.779	6.758	0.021	98	863738	15.0	15.0	
17 Ethanol	45	7.191	7.175	0.016	98	251682	20.0	19.4	
18 Ethyl ether	59	7.288	7.277	0.011	93	350163	15.0	15.2	
19 Acrolein	56	7.689	7.667	0.022	96	147563	15.0	16.7	
20 1,1,2-Trichloro-1,2,2-trif	101	7.700	7.683	0.017	93	1287950	16.0	16.1	
21 1,1-Dichloroethene	96	7.764	7.742	0.022	92	616426	15.0	15.2	
22 Acetone	43	7.978	7.962	0.016	96	552913	15.0	13.3	
23 Carbon disulfide	76	8.160	8.144	0.017	98	1398841	15.0	15.4	
24 Isopropyl alcohol	45	8.224	8.213	0.011	100	531639	15.0	15.0	
25 3-Chloro-1-propene	41	8.502	8.491	0.011	95	396400	16.1	15.7	
26 Acetonitrile	41	8.630	8.614	0.016	99	201693	15.0	13.1	
27 Methylene Chloride	49	8.780	8.769	0.011	80	364558	15.0	13.7	
28 2-Methyl-2-propanol	59	8.946	8.935	0.011	93	849949	16.2	16.2	
29 Methyl tert-butyl ether	73	9.133	9.123	0.011	95	1407906	15.8	16.0	
31 trans-1,2-Dichloroethene	61	9.187	9.176	0.011	90	629702	15.0	15.1	
32 Acrylonitrile	53	9.331	9.320	0.011	95	272822	15.0	15.1	
33 Hexane	57	9.524	9.513	0.011	88	627898	15.0	15.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
S 30 1,2-Dichloroethene, Total	61				0		30.0	30.5	
34 1,1-Dichloroethane	63	10.005	9.995	0.011	99	779958	15.0	15.1	
35 Vinyl acetate	43	10.053	10.043	0.010	99	803815	15.0	15.2	
37 cis-1,2-Dichloroethene	96	11.043	11.032	0.011	84	580646	15.0	15.4	
38 2-Butanone (MEK)	72	11.065	11.064	0.001	99	230618	15.0	14.6	
39 Ethyl acetate	88	11.091	11.086	0.005	99	44316	15.0	15.1	
* 40 Chlorobromomethane	128	11.471	11.466	0.005	71	279895	10.0	10.0	
41 Tetrahydrofuran	42	11.471	11.466	0.005	87	347618	15.0	14.9	
42 Chloroform	83	11.583	11.573	0.010	95	1110366	15.0	15.0	
43 Cyclohexane	84	11.814	11.803	0.011	90	695160	15.0	15.3	
44 1,1,1-Trichloroethane	97	11.840	11.829	0.011	92	1281040	15.0	15.3	
45 Carbon tetrachloride	117	12.065	12.059	0.006	97	1442426	15.0	15.8	
46 Isooctane	57	12.429	12.423	0.006	99	1962105	15.0	15.3	
47 Benzene	78	12.488	12.477	0.011	93	1552818	15.0	15.1	
48 1,2-Dichloroethane	62	12.653	12.643	0.010	99	633847	15.0	15.0	
49 n-Heptane	43	12.771	12.766	0.005	84	615275	15.0	15.2	
* 50 1,4-Difluorobenzene	114	13.220	13.215	0.005	91	1311464	10.0	10.0	
52 n-Butanol	56	13.541	13.536	0.005	82	215063	13.7	13.9	
53 Trichloroethene	95	13.643	13.638	0.005	93	751313	15.0	15.0	
54 1,2-Dichloropropane	63	14.130	14.130	0.000	91	475480	15.0	15.0	
55 Methyl methacrylate	69	14.253	14.248	0.005	94	495692	15.0	15.4	
56 1,4-Dioxane	88	14.323	14.317	0.006	87	317956	15.0	15.2	
57 Dibromomethane	174	14.365	14.360	0.005	86	989988	15.0	15.1	
58 Dichlorobromomethane	83	14.617	14.611	0.006	98	1157355	15.0	15.6	
60 cis-1,3-Dichloropropene	75	15.446	15.441	0.006	88	872896	15.0	15.8	
61 4-Methyl-2-pentanone (MIBK)	43	15.692	15.687	0.005	92	804129	15.0	15.0	
65 Toluene	92	15.976	15.975	0.001	94	1181512	15.0	15.4	
64 n-Octane	43	16.008	16.002	0.006	83	818362	15.0	15.1	
66 trans-1,3-Dichloropropene	75	16.537	16.537	0.000	94	874947	15.0	15.6	
67 1,1,2-Trichloroethane	83	16.901	16.896	0.005	93	594442	15.0	15.3	
68 Tetrachloroethene	166	16.997	16.997	0.000	94	1490378	15.0	15.6	
69 2-Hexanone	43	17.324	17.318	0.006	98	914534	15.0	16.1	
71 Chlorodibromomethane	129	17.650	17.650	0.000	98	1606006	15.9	17.9	
72 Ethylene Dibromide	107	17.918	17.917	0.001	99	1254394	16.0	17.0	
* 74 Chlorobenzene-d5	117	18.795	18.795	0.000	82	1207609	10.0	10.0	
75 Chlorobenzene	112	18.859	18.854	0.005	99	1937540	15.8	15.9	
76 Ethylbenzene	91	18.998	18.998	0.000	96	2888680	15.0	15.5	
77 n-Nonane	57	19.105	19.105	0.000	82	1094643	15.0	15.9	
78 m-Xylene & p-Xylene	106	19.244	19.244	0.000	0	2448712	30.0	31.2	
S 73 Xylenes, Total	106				0		45.0	47.1	
79 o-Xylene	106	20.084	20.084	0.000	98	1205148	15.0	15.9	
80 Styrene	104	20.138	20.138	0.000	95	1878690	15.0	17.2	
81 Bromoform	173	20.576	20.576	0.000	99	1755922	15.0	19.2	
82 Isopropylbenzene	105	20.769	20.769	0.000	94	3578768	15.0	16.1	
84 1,1,2,2-Tetrachloroethane	83	21.438	21.438	0.000	99	1608917	15.0	16.0	
85 N-Propylbenzene	91	21.496	21.496	0.000	99	4031258	15.0	16.4	
86 1,2,3-Trichloropropane	75	21.534	21.534	0.000	95	1263756	16.0	16.7	
87 n-Decane	57	21.662	21.662	0.000	91	1408068	15.0	16.4	
88 4-Ethyltoluene	105	21.684	21.684	0.000	98	3491853	15.0	16.4	
89 2-Chlorotoluene	91	21.700	21.694	0.006	96	2779130	15.0	15.9	
90 1,3,5-Trimethylbenzene	105	21.791	21.791	0.000	94	3127991	15.0	16.4	
91 Alpha Methyl Styrene	118	22.165	22.165	0.000	92	1677645	15.0	18.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
92 tert-Butylbenzene	119	22.283	22.283	0.000	95	3169825	15.0	16.3	
93 1,2,4-Trimethylbenzene	105	22.379	22.379	0.000	96	3114392	15.0	16.8	
94 sec-Butylbenzene	105	22.609	22.609	0.000	98	4577354	15.0	16.6	
95 4-Isopropyltoluene	119	22.807	22.807	0.000	97	4144955	15.8	17.8	
96 1,3-Dichlorobenzene	146	22.845	22.844	0.001	94	2309977	15.0	17.0	
97 1,4-Dichlorobenzene	146	22.984	22.984	0.000	97	2206773	15.0	17.2	
98 Benzyl chloride	91	23.182	23.182	0.000	100	2359551	15.0	19.6	
100 n-Butylbenzene	91	23.380	23.379	0.001	97	3330927	15.8	18.1	
99 Undecane	57	23.401	23.401	0.000	90	1565878	16.1	18.0	
101 1,2-Dichlorobenzene	146	23.513	23.513	0.000	99	2318325	16.1	18.0	
102 Dodecane	57	24.968	24.968	0.000	96	1253424	16.0	18.0	
103 1,2,4-Trichlorobenzene	180	25.990	25.990	0.000	93	1566467	16.5	19.1	
104 Hexachlorobutadiene	225	26.167	26.167	0.000	94	2271003	16.3	18.3	
105 Naphthalene	128	26.466	26.466	0.000	99	2719204	15.8	16.8	
106 1,2,3-Trichlorobenzene	180	26.937	26.937	0.000	95	1536614	16.3	18.4	

Reagents:

ATTO15CAL5w_00090

Amount Added: 200.00

Units: mL

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 23-Jan-2020 10:26:47

Chrom Revision: 2.3 14-Jan-2020 22:23:42

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-09.D

Injection Date: 21-Jan-2020 22:47:30

Instrument ID: CHX.i

Operator ID: ggg

Lims ID: ic

Worklist Smp#: 9

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

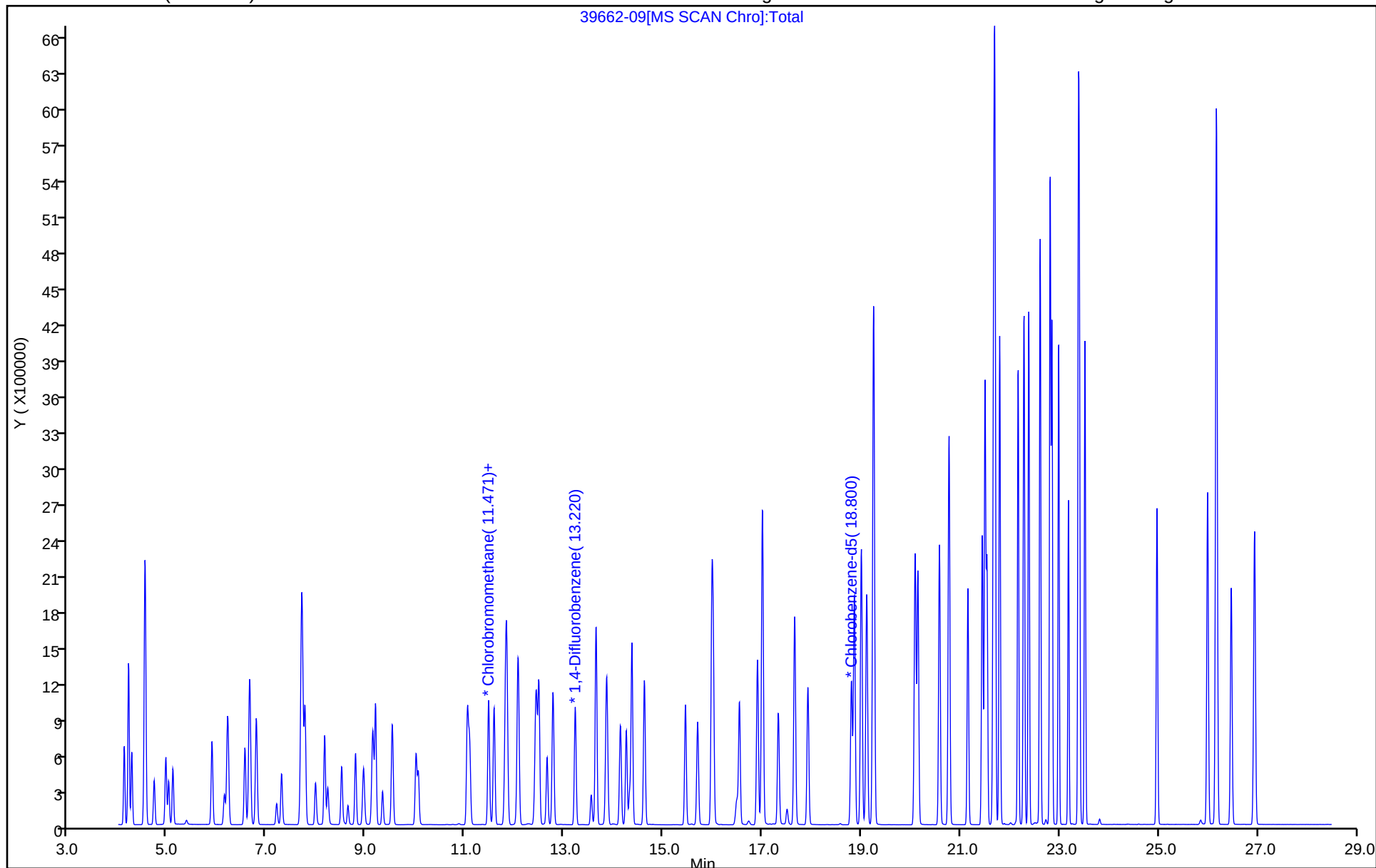
ALS Bottle#: 11

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-12.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 22-Jan-2020 01:17:30 ALS Bottle#: 14 Worklist Smp#: 12
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0039662-012
 Misc. Info.: ic7
 Operator ID: ggg Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub1
 Method: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 23-Jan-2020 10:26:48 Calib Date: 22-Jan-2020 04:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-16.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0319

First Level Reviewer: phamvu

Date: 22-Jan-2020 08:51:48

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	4.094	4.083	0.011	98	604851	20.0	21.0	
2 Dichlorodifluoromethane	85	4.185	4.174	0.011	100	1808398	21.2	18.8	
3 Chlorodifluoromethane	51	4.249	4.233	0.016	98	1177105	21.2	21.8	
4 1,2-Dichloro-1,1,2,2-tetra	85	4.516	4.500	0.016	98	2342590	21.2	21.4	
5 Chloromethane	50	4.698	4.688	0.010	99	709876	20.0	20.4	
6 Butane	43	4.934	4.923	0.011	98	832660	20.0	19.3	
7 Vinyl chloride	62	4.987	4.976	0.011	98	619331	20.0	20.1	
8 Butadiene	54	5.078	5.062	0.016	91	381491	20.0	20.4	
10 Bromomethane	94	5.870	5.859	0.011	99	863489	20.0	20.4	
11 Chloroethane	64	6.121	6.111	0.010	99	431623	21.1	21.6	
12 2-Methylbutane	43	6.185	6.175	0.010	92	856758	20.0	21.2	
13 Vinyl bromide	106	6.533	6.528	0.005	99	845467	20.0	20.2	
14 Trichlorofluoromethane	101	6.630	6.624	0.006	99	2207844	20.0	20.3	
16 Pentane	43	6.769	6.758	0.011	98	1196066	20.0	21.0	
17 Ethanol	45	7.181	7.175	0.006	99	475105	40.0	37.1	
18 Ethyl ether	59	7.277	7.277	0.000	94	483433	20.0	21.2	
19 Acrolein	56	7.678	7.667	0.011	95	196040	20.0	22.4	
20 1,1,2-Trichloro-1,2,2-trif	101	7.689	7.683	0.006	93	1752397	21.4	22.2	
21 1,1-Dichloroethene	96	7.753	7.742	0.011	93	843362	20.0	21.1	
22 Acetone	43	7.967	7.962	0.005	96	774849	20.0	18.8	
23 Carbon disulfide	76	8.149	8.144	0.006	98	1891033	20.0	21.1	
24 Isopropyl alcohol	45	8.213	8.213	0.000	100	721449	20.0	20.6	
25 3-Chloro-1-propene	41	8.497	8.491	0.006	95	683328	21.5	27.4	
26 Acetonitrile	41	8.625	8.614	0.011	99	358090	20.0	23.5	
27 Methylene Chloride	49	8.775	8.769	0.006	83	600306	20.0	22.9	
28 2-Methyl-2-propanol	59	8.941	8.935	0.006	93	1174608	21.6	22.7	
29 Methyl tert-butyl ether	73	9.122	9.123	0.000	95	1936576	21.1	22.3	
31 trans-1,2-Dichloroethene	61	9.181	9.176	0.005	91	871283	20.0	21.2	
32 Acrylonitrile	53	9.326	9.320	0.006	95	388901	20.0	21.8	
33 Hexane	57	9.518	9.513	0.005	89	868960	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
S 30 1,2-Dichloroethene, Total	61				0		40.0	42.3	
34 1,1-Dichloroethane	63	10.000	9.995	0.006	99	1081484	20.0	21.2	
35 Vinyl acetate	43	10.048	10.043	0.005	99	1134285	20.0	21.7	
37 cis-1,2-Dichloroethene	96	11.038	11.032	0.006	85	786800	20.0	21.1	
38 2-Butanone (MEK)	72	11.064	11.064	0.000	99	325240	20.0	20.9	
39 Ethyl acetate	88	11.091	11.086	0.005	99	60561	20.0	20.9	
* 40 Chlorobromomethane	128	11.466	11.466	0.000	77	276582	10.0	10.0	
41 Tetrahydrofuran	42	11.466	11.466	0.000	85	506083	20.0	21.6	
42 Chloroform	83	11.578	11.573	0.005	95	1510428	20.0	20.7	
43 Cyclohexane	84	11.808	11.803	0.005	91	943139	20.0	20.7	
44 1,1,1-Trichloroethane	97	11.835	11.829	0.006	93	1717294	20.0	20.4	
45 Carbon tetrachloride	117	12.065	12.059	0.006	97	1903612	20.0	20.8	
46 Isooctane	57	12.429	12.423	0.006	99	2755646	20.0	21.4	
47 Benzene	78	12.482	12.477	0.005	93	2136012	20.0	20.7	
48 1,2-Dichloroethane	62	12.648	12.643	0.005	99	875397	20.0	20.7	
49 n-Heptane	43	12.766	12.766	0.000	85	875627	20.0	21.5	
* 50 1,4-Difluorobenzene	114	13.220	13.215	0.005	92	1315890	10.0	10.0	
52 n-Butanol	56	13.541	13.536	0.005	83	287573	18.2	18.6	
53 Trichloroethene	95	13.638	13.638	0.000	94	1028504	20.0	20.5	
54 1,2-Dichloropropane	63	14.130	14.130	0.000	91	673846	20.0	21.3	
55 Methyl methacrylate	69	14.247	14.248	-0.001	95	706880	20.0	21.8	
56 1,4-Dioxane	88	14.317	14.317	0.000	87	422587	20.0	20.2	
57 Dibromomethane	174	14.365	14.360	0.005	87	1304768	20.0	19.8	
58 Dichlorobromomethane	83	14.617	14.611	0.006	97	1609108	20.0	21.6	
60 cis-1,3-Dichloropropene	75	15.446	15.441	0.006	88	1216587	20.0	21.9	
61 4-Methyl-2-pentanone (MIBK)	43	15.687	15.687	0.000	92	1160845	20.0	21.6	
65 Toluene	92	15.975	15.975	0.000	94	1620157	20.0	20.2	
64 n-Octane	43	16.002	16.002	0.000	84	1165955	20.0	21.5	
66 trans-1,3-Dichloropropene	75	16.537	16.537	0.000	94	1220557	20.0	21.7	
67 1,1,2-Trichloroethane	83	16.901	16.896	0.005	93	829463	20.0	20.5	
68 Tetrachloroethene	166	17.003	16.997	0.006	95	1999047	20.0	20.0	
69 2-Hexanone	43	17.318	17.318	0.000	98	1232107	20.0	20.8	
71 Chlorodibromomethane	129	17.650	17.650	0.000	98	2190063	21.2	23.3	
72 Ethylene Dibromide	107	17.917	17.917	0.000	99	1726408	21.3	22.4	
* 74 Chlorobenzene-d5	117	18.795	18.795	0.000	83	1260527	10.0	10.0	
75 Chlorobenzene	112	18.859	18.854	0.005	98	2643981	21.0	20.7	
76 Ethylbenzene	91	18.998	18.998	0.000	96	3993724	20.0	20.5	
77 n-Nonane	57	19.105	19.105	0.000	83	1519351	20.0	21.1	
78 m-Xylene & p-Xylene	106	19.244	19.244	0.000	0	3329789	40.0	40.6	
S 73 Xylenes, Total	106				0		60.0	61.1	
79 o-Xylene	106	20.084	20.084	0.000	98	1614804	20.0	20.5	
80 Styrene	104	20.138	20.138	0.000	95	2542703	20.0	22.3	
81 Bromoform	173	20.576	20.576	0.000	99	2357496	20.0	24.7	
82 Isopropylbenzene	105	20.769	20.769	0.000	94	4666793	20.0	20.2	
84 1,1,2,2-Tetrachloroethane	83	21.437	21.438	-0.001	99	2121818	20.0	20.2	
85 N-Propylbenzene	91	21.496	21.496	0.000	100	5228167	20.0	20.4	
86 1,2,3-Trichloropropane	75	21.534	21.534	0.000	95	1663436	21.3	21.1	
87 n-Decane	57	21.662	21.662	0.000	91	1780629	20.0	19.9	
88 4-Ethyltoluene	105	21.684	21.684	0.000	97	4418902	20.0	19.9	
89 2-Chlorotoluene	91	21.700	21.694	0.006	96	3615906	20.0	19.8	
90 1,3,5-Trimethylbenzene	105	21.791	21.791	0.000	94	3994423	20.0	20.1	
91 Alpha Methyl Styrene	118	22.165	22.165	0.000	92	2154469	20.0	22.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
92 tert-Butylbenzene	119	22.283	22.283	0.000	95	4008474	20.0	19.8	
93 1,2,4-Trimethylbenzene	105	22.379	22.379	0.000	96	3937654	20.0	20.3	
94 sec-Butylbenzene	105	22.609	22.609	0.000	98	5774615	20.0	20.1	
95 4-Isopropyltoluene	119	22.812	22.807	0.005	97	5182116	21.0	21.3	
96 1,3-Dichlorobenzene	146	22.850	22.844	0.006	94	2967451	20.0	20.9	
97 1,4-Dichlorobenzene	146	22.984	22.984	0.000	97	2846421	20.0	21.3	
98 Benzyl chloride	91	23.182	23.182	0.000	100	3008334	20.0	24.0	
100 n-Butylbenzene	91	23.379	23.379	0.000	97	4194000	21.0	21.9	
99 Undecane	57	23.401	23.401	0.000	90	1966416	21.4	21.6	
101 1,2-Dichlorobenzene	146	23.513	23.513	0.000	99	2937558	21.5	21.9	
102 Dodecane	57	24.968	24.968	0.000	98	1630060	21.3	22.4	
103 1,2,4-Trichlorobenzene	180	25.990	25.990	0.000	93	2134793	22.0	25.0	
104 Hexachlorobutadiene	225	26.172	26.167	0.005	94	2878338	21.7	22.2	
105 Naphthalene	128	26.472	26.466	0.006	99	3949357	21.0	23.4	
106 1,2,3-Trichlorobenzene	180	26.942	26.937	0.005	95	2084360	21.7	23.9	

Reagents:

ATTO15CAL6w_00172

Amount Added: 200.00

Units: mL

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 23-Jan-2020 10:26:49

Chrom Revision: 2.3 14-Jan-2020 22:23:42

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-12.D

Injection Date: 22-Jan-2020 01:17:30

Instrument ID: CHX.i

Operator ID: ggg

Lims ID: ic

Worklist Smp#: 12

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

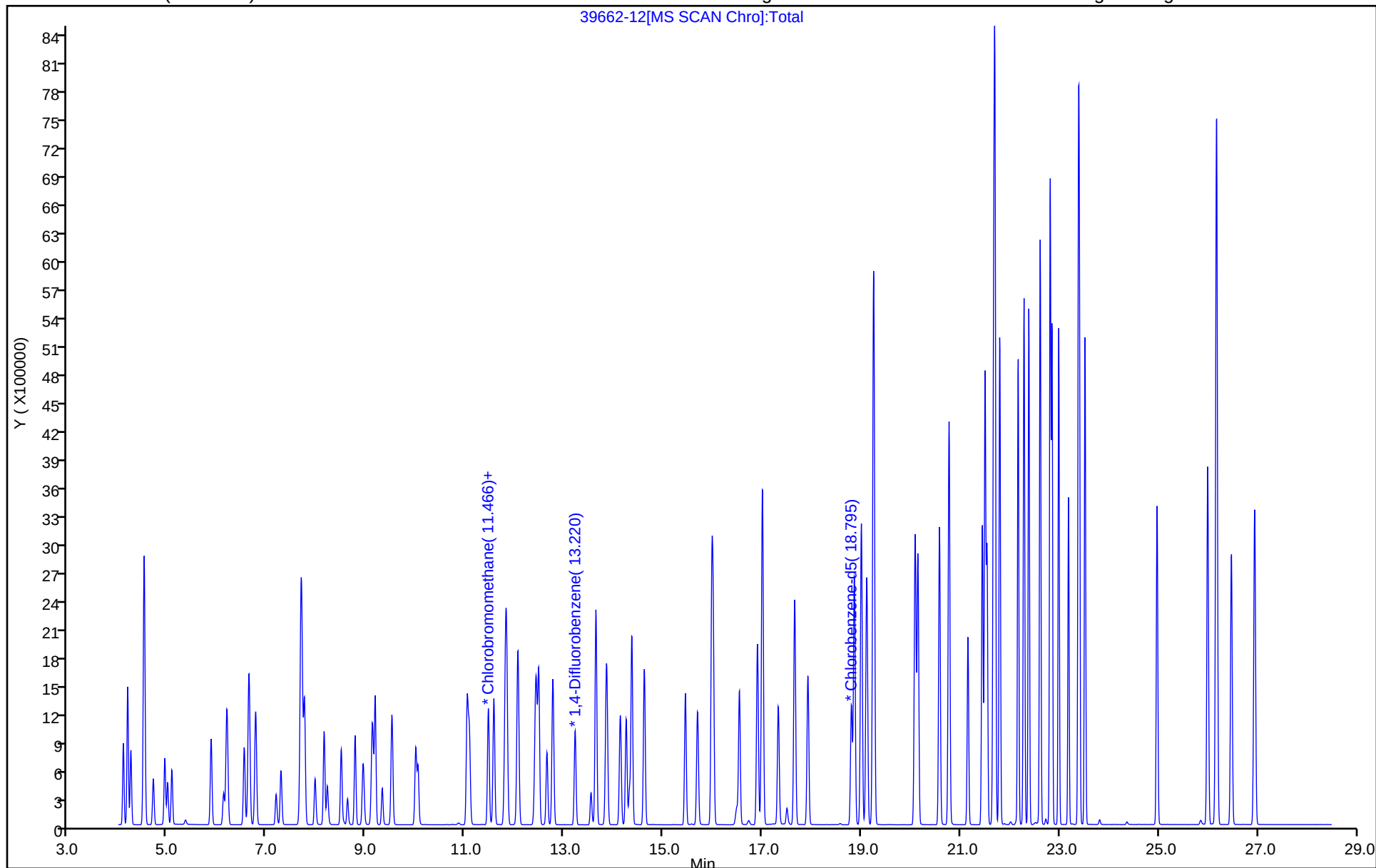
ALS Bottle#: 14

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-16.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 22-Jan-2020 04:38:30 ALS Bottle#: 18 Worklist Smp#: 16
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0039662-016
 Operator ID: ggg Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub1
 Method: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 23-Jan-2020 10:26:50 Calib Date: 22-Jan-2020 04:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-16.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0319

First Level Reviewer: phamvu

Date: 22-Jan-2020 08:54:55

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	4.094	4.083	0.011	98	1183794	40.0	39.5	
2 Dichlorodifluoromethane	85	4.185	4.174	0.011	100	4149701	42.3	41.4	
3 Chlorodifluoromethane	51	4.249	4.233	0.016	98	2354268	42.3	41.9	
4 1,2-Dichloro-1,1,2,2-tetra	85	4.516	4.500	0.016	98	4789973	42.4	42.0	
5 Chloromethane	50	4.698	4.688	0.010	99	1430629	40.0	39.5	
6 Butane	43	4.934	4.923	0.011	98	1683067	40.0	37.4	
7 Vinyl chloride	62	4.993	4.976	0.017	98	1211264	40.0	37.9	
8 Butadiene	54	5.078	5.062	0.016	92	748737	40.0	38.5	
10 Bromomethane	94	5.870	5.859	0.011	99	1664160	40.0	37.7	
11 Chloroethane	64	6.121	6.111	0.010	99	847142	42.3	40.7	
12 2-Methylbutane	43	6.186	6.175	0.011	92	1699822	40.0	40.3	
13 Vinyl bromide	106	6.539	6.528	0.011	100	1665577	40.0	38.2	
14 Trichlorofluoromethane	101	6.635	6.624	0.011	99	4294392	40.0	37.9	
16 Pentane	43	6.769	6.758	0.011	98	2396525	40.0	40.5	
17 Ethanol	45	7.181	7.175	0.006	99	1122054	100.0	84.2	
18 Ethyl ether	59	7.277	7.277	0.000	94	936492	40.0	39.5	
19 Acrolein	56	7.673	7.667	0.006	96	373444	40.0	41.1	
20 1,1,2-Trichloro-1,2,2-trif	101	7.689	7.683	0.006	93	3274233	42.7	39.8	
21 1,1-Dichloroethene	96	7.753	7.742	0.011	93	1580152	40.0	38.0	
22 Acetone	43	7.967	7.962	0.005	96	1523162	40.0	35.6	
23 Carbon disulfide	76	8.149	8.144	0.006	98	3634935	40.0	39.0	
24 Isopropyl alcohol	45	8.213	8.213	0.000	100	1401221	40.0	38.4	
25 3-Chloro-1-propene	41	8.497	8.491	0.006	95	1023295	42.9	39.4	
26 Acetonitrile	41	8.620	8.614	0.006	99	682230	40.0	43.0	
27 Methylene Chloride	49	8.775	8.769	0.006	82	1204475	40.0	44.1	
28 2-Methyl-2-propanol	59	8.941	8.935	0.006	93	2309373	43.2	42.8	
29 Methyl tert-butyl ether	73	9.123	9.123	0.001	95	3812868	42.2	42.2	
31 trans-1,2-Dichloroethene	61	9.181	9.176	0.005	91	1715327	40.0	40.1	
32 Acrylonitrile	53	9.320	9.320	0.000	95	782668	40.0	42.1	
33 Hexane	57	9.518	9.513	0.005	89	1703046	40.0	40.1	
S 30 1,2-Dichloroethene, Total	61				0		80.0	79.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	10.000	9.995	0.006	99	2141504	40.0	40.3	
35 Vinyl acetate	43	10.048	10.043	0.005	99	2284462	40.0	41.9	
37 cis-1,2-Dichloroethene	96	11.038	11.032	0.006	84	1539583	40.0	39.7	
38 2-Butanone (MEK)	72	11.064	11.064	0.000	99	625039	40.0	38.5	
39 Ethyl acetate	88	11.086	11.086	0.000	99	120355	40.0	39.8	
* 40 Chlorobromomethane	128	11.471	11.466	0.005	70	287897	10.0	10.0	
41 Tetrahydrofuran	42	11.460	11.466	-0.006	86	995660	40.0	41.2	
42 Chloroform	83	11.578	11.573	0.005	95	3004214	40.0	39.6	
43 Cyclohexane	84	11.808	11.803	0.005	90	1829119	40.0	38.8	
44 1,1,1-Trichloroethane	97	11.835	11.829	0.006	93	3401682	40.0	39.2	
45 Carbon tetrachloride	117	12.065	12.059	0.006	97	3842721	40.0	40.6	
46 Isooctane	57	12.429	12.423	0.006	99	5276382	40.0	39.7	
47 Benzene	78	12.482	12.477	0.005	94	4164228	40.0	39.1	
48 1,2-Dichloroethane	62	12.648	12.643	0.005	99	1745290	40.0	39.9	
49 n-Heptane	43	12.771	12.766	0.005	84	1685500	40.0	40.1	
* 50 1,4-Difluorobenzene	114	13.220	13.215	0.005	92	1360794	10.0	10.0	
52 n-Butanol	56	13.541	13.536	0.005	83	609348	36.4	38.0	
53 Trichloroethene	95	13.638	13.638	0.000	94	2032676	40.0	39.2	
54 1,2-Dichloropropane	63	14.130	14.130	0.000	91	1327451	40.0	40.5	
55 Methyl methacrylate	69	14.253	14.248	0.005	94	1387953	40.0	41.5	
56 1,4-Dioxane	88	14.317	14.317	0.000	87	821866	40.0	37.9	
57 Dibromomethane	174	14.365	14.360	0.005	86	2633941	40.0	38.6	
58 Dichlorobromomethane	83	14.617	14.611	0.006	97	3198729	40.0	41.5	
60 cis-1,3-Dichloropropene	75	15.446	15.441	0.006	88	2401717	40.0	41.8	
61 4-Methyl-2-pentanone (MIBK)	43	15.687	15.687	0.000	92	2245952	40.0	40.4	
65 Toluene	92	15.975	15.975	0.000	94	3083359	40.0	37.7	
64 n-Octane	43	16.008	16.002	0.006	82	2103887	40.0	37.5	
66 trans-1,3-Dichloropropene	75	16.537	16.537	0.000	93	2426258	40.0	41.7	
67 1,1,2-Trichloroethane	83	16.901	16.896	0.005	94	1619503	40.0	39.2	
68 Tetrachloroethene	166	17.003	16.997	0.006	95	3956356	40.0	38.8	
69 2-Hexanone	43	17.324	17.318	0.006	98	2514854	40.0	41.6	
71 Chlorodibromomethane	129	17.655	17.650	0.005	97	4317165	42.4	45.1	
72 Ethylene Dibromide	107	17.923	17.917	0.006	98	3404467	42.6	43.4	
* 74 Chlorobenzene-d5	117	18.795	18.795	0.000	83	1285013	10.0	10.0	
75 Chlorobenzene	112	18.859	18.854	0.005	98	5120639	42.0	39.4	
76 Ethylbenzene	91	18.998	18.998	0.000	96	7728441	40.0	38.9	
77 n-Nonane	57	19.105	19.105	0.000	82	2878561	40.0	39.3	
78 m-Xylene & p-Xylene	106	19.250	19.244	0.006	0	6359953	80.0	76.0	
S 73 Xylenes, Total	106				0		120.0	115.9	
79 o-Xylene	106	20.084	20.084	0.000	98	3206894	40.0	39.9	
80 Styrene	104	20.143	20.138	0.005	94	5138046	40.0	44.3	
81 Bromoform	173	20.576	20.576	0.000	99	4798797	40.0	49.3	
82 Isopropylbenzene	105	20.769	20.769	0.000	94	9386828	40.0	39.8	
84 1,1,2,2-Tetrachloroethane	83	21.443	21.438	0.005	98	4168199	40.0	38.9	
85 N-Propylbenzene	91	21.496	21.496	0.000	99	10255339	40.0	39.2	
86 1,2,3-Trichloropropane	75	21.534	21.534	0.000	94	3285881	42.6	40.9	
87 n-Decane	57	21.662	21.662	0.000	90	2947085	40.0	32.3	
88 4-Ethyltoluene	105	21.689	21.684	0.005	97	8233043	40.0	36.4	
89 2-Chlorotoluene	91	21.700	21.694	0.006	96	6774423	40.0	36.4	
90 1,3,5-Trimethylbenzene	105	21.791	21.791	0.000	94	7914077	40.0	39.1	
91 Alpha Methyl Styrene	118	22.165	22.165	0.000	92	4351697	40.0	45.1	
92 tert-Butylbenzene	119	22.283	22.283	0.000	96	7977529	40.0	38.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 1,2,4-Trimethylbenzene	105	22.379	22.379	0.000	96	7802370	40.0	39.5	
94 sec-Butylbenzene	105	22.609	22.609	0.000	98	11261159	40.0	38.4	
95 4-Isopropyltoluene	119	22.812	22.807	0.005	97	10144479	42.0	41.0	
96 1,3-Dichlorobenzene	146	22.850	22.844	0.006	93	6119523	40.0	42.3	
97 1,4-Dichlorobenzene	146	22.984	22.984	0.000	97	5985938	40.0	44.0	
98 Benzyl chloride	91	23.182	23.182	0.000	100	6395464	40.0	50.0	
100 n-Butylbenzene	91	23.379	23.379	0.000	97	7718291	42.0	39.4	
99 Undecane	57	23.401	23.401	0.000	92	3056406	42.9	33.0	
101 1,2-Dichlorobenzene	146	23.513	23.513	0.000	100	6028824	43.0	44.1	
102 Dodecane	57	24.968	24.968	0.000	95	2330811	42.6	31.4	
103 1,2,4-Trichlorobenzene	180	25.990	25.990	0.000	93	3900369	43.9	44.8	
104 Hexachlorobutadiene	225	26.167	26.167	0.000	93	5717842	43.4	43.3	
105 Naphthalene	128	26.466	26.466	0.000	99	6035620	42.0	35.0	
106 1,2,3-Trichlorobenzene	180	26.937	26.937	0.000	95	3495237	43.4	39.3	

Reagents:

ATTO15CAL7w_00091

Amount Added: 200.00

Units: mL

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 23-Jan-2020 10:26:51

Chrom Revision: 2.3 14-Jan-2020 22:23:42

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-16.D

Injection Date: 22-Jan-2020 04:38:30

Instrument ID: CHX.i

Operator ID: ggg

Lims ID: ic

Worklist Smp#: 16

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

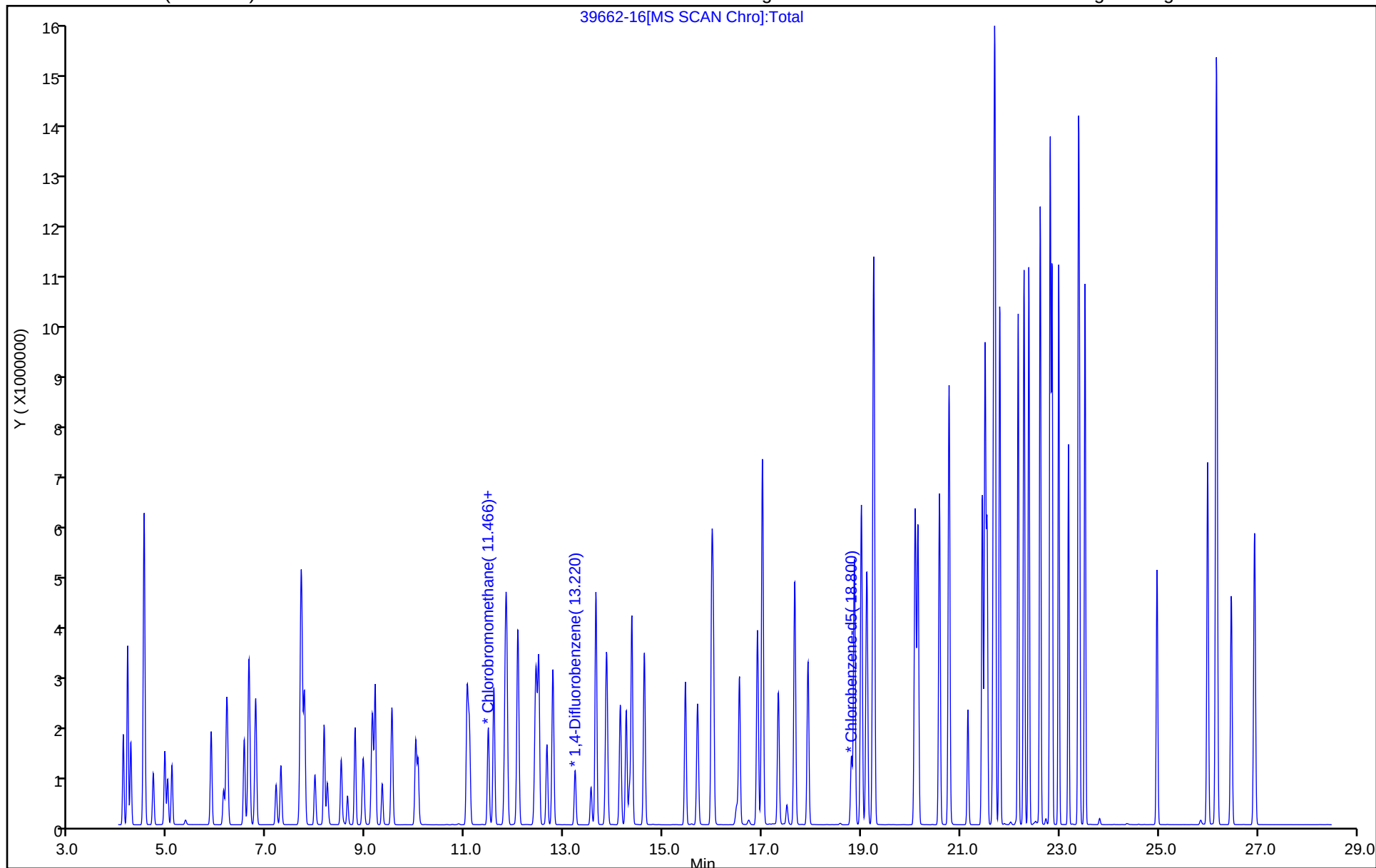
ALS Bottle#: 18

Method: TO15_MasterMethod_X.m

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: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Lab Sample ID: ICV 200-152505/17 Calibration Date: 02/19/2020 06:32
 Instrument ID: CHC.i Calib Start Date: 02/18/2020 18:21
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/19/2020 02:47
 Lab File ID: 40074-17.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	1.461	1.441		9.99	10.1	-1.4	30.0
Dichlorodifluoromethane	Ave	3.543	3.393		10.1	10.6	-4.2	30.0
Freon 22	Ave	2.652	2.535		10.1	10.6	-4.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.626	3.419		9.98	10.6	-5.7	30.0
Chloromethane	Ave	1.399	1.469		10.4	9.94	5.0	30.0
n-Butane	Ave	2.602	2.477		9.80	10.3	-4.8	30.0
Vinyl chloride	Ave	1.509	1.476		9.77	9.99	-2.2	30.0
1,3-Butadiene	Ave	1.214	1.216		9.71	9.70	0.1	30.0
Bromomethane	Ave	1.210	1.128		9.69	10.4	-6.8	30.0
Chloroethane	Ave	0.6823	0.6424		9.95	10.6	-5.8	30.0
Isopentane	Ave	1.861	1.701		9.55	10.4	-8.6	30.0
Bromoethene (Vinyl Bromide)	Ave	1.124	1.137		10.2	10.0	1.1	30.0
Trichlorofluoromethane	Ave	3.231	3.152		10.2	10.4	-2.5	30.0
n-Pentane	Ave	2.996	2.817		9.60	10.2	-6.0	30.0
Ethanol	Ave	0.9136	0.9058		14.9	15.0	-0.9	30.0
Ethyl ether	Ave	1.009	0.9839		9.98	10.2	-2.4	30.0
Acrolein	Ave	0.7303	0.6118		8.13	9.71	-16.2	30.0
Freon TF	Ave	2.552	2.446		10.2	10.7	-4.1	30.0
1,1-Dichloroethene	Ave	1.225	1.187		9.88	10.2	-3.1	30.0
Acetone	Ave	2.708	2.560		9.86	10.4	-5.5	30.0
Carbon disulfide	Ave	3.790	3.646		9.97	10.4	-3.8	30.0
Isopropyl alcohol	Ave	3.059	3.031		10.1	10.2	-0.9	30.0
3-Chloropropene	Ave	2.493	2.274		9.79	10.7	-8.8	30.0
Acetonitrile	Ave	1.353	1.365		9.80	9.72	0.9	30.0
Methylene Chloride	Ave	1.966	1.899		9.90	10.2	-3.4	30.0
tert-Butyl alcohol	Ave	3.094	3.058		10.7	10.8	-1.2	30.0
Methyl tert-butyl ether	Ave	4.102	3.909		10.1	10.6	-4.7	30.0
trans-1,2-Dichloroethene	Ave	2.328	2.220		9.85	10.3	-4.6	30.0
Acrylonitrile	Ave	1.135	1.084		9.73	10.2	-4.5	30.0
n-Hexane	Ave	2.413	2.274		9.87	10.5	-5.7	30.0
1,1-Dichloroethane	Ave	2.923	2.673		9.39	10.3	-8.5	30.0
Vinyl acetate	Ave	5.260	5.244		10.0	10.1	-0.3	30.0
cis-1,2-Dichloroethene	Ave	1.424	1.381		10.1	10.4	-3.0	30.0
Methyl Ethyl Ketone	Ave	0.7630	0.7407		10.1	10.4	-2.9	30.0
Ethyl acetate	Ave	0.1207	0.1176		9.95	10.2	-2.6	30.0
Tetrahydrofuran	Ave	0.4910	0.4834		9.66	9.81	-1.5	30.0
Chloroform	Ave	3.320	3.169		9.85	10.3	-4.5	30.0
Cyclohexane	Ave	0.3855	0.3741		9.92	10.2	-3.0	30.0
1,1,1-Trichloroethane	Ave	0.6467	0.6227		9.94	10.3	-3.7	30.0
Carbon tetrachloride	Ave	0.6251	0.6327		10.2	10.0	1.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Lab Sample ID: ICV 200-152505/17 Calibration Date: 02/19/2020 06:32

Instrument ID: CHC.i Calib Start Date: 02/18/2020 18:21

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/19/2020 02:47

Lab File ID: 40074-17.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
Benzene	Ave	0.9572	0.9111		9.89	10.4	-4.8	30.0
2,2,4-Trimethylpentane	Ave	1.805	1.793		10.1	10.1	-0.6	30.0
1,2-Dichloroethane	Ave	0.5084	0.4924		10.1	10.5	-3.2	30.0
n-Heptane	Ave	0.8906	0.8362		9.68	10.3	-6.1	30.0
n-Butanol	Ave	0.2970	0.3018		9.26	9.11	1.6	30.0
Trichloroethene	Ave	0.4016	0.4022		10.3	10.3	0.2	30.0
1,2-Dichloropropane	Ave	0.4158	0.4047		10.1	10.3	-2.7	30.0
Methyl methacrylate	Ave	0.3905	0.3800		9.93	10.2	-2.7	30.0
Dibromomethane	Ave	0.3455	0.3372		10.1	10.3	-2.4	30.0
1,4-Dioxane	Ave	0.1884	0.2006		11.0	10.3	6.5	30.0
Bromodichloromethane	Ave	0.7335	0.7435		10.4	10.3	1.4	30.0
cis-1,3-Dichloropropene	Ave	0.6598	0.6917		10.4	9.94	4.8	30.0
methyl isobutyl ketone	Ave	1.235	1.182		9.76	10.2	-4.2	30.0
Toluene	Ave	0.7049	0.6894		9.97	10.2	-2.2	30.0
n-Octane	Ave	1.315	1.239		9.70	10.3	-5.8	30.0
trans-1,3-Dichloropropene	Ave	0.6280	0.6310		9.89	9.85	0.5	30.0
1,1,2-Trichloroethane	Ave	0.3589	0.3559		10.4	10.5	-0.8	30.0
Tetrachloroethene	Ave	0.5081	0.5071		10.4	10.5	-0.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	1.302	1.178		9.15	10.1	-9.5	30.0
Dibromochloromethane	Ave	0.6961	0.6424		9.78	10.6	-7.7	30.0
1,2-Dibromoethane	Ave	0.5818	0.5827		10.7	10.7	0.2	30.0
Chlorobenzene	Ave	0.8615	0.8561		10.4	10.5	-0.6	30.0
Ethylbenzene	Ave	1.622	1.603		10.1	10.2	-1.1	30.0
n-Nonane	Ave	0.9861	0.9764		10.4	10.5	-1.0	30.0
m,p-Xylene	Ave	0.5746	0.5866		20.4	20.0	2.1	30.0
Xylene, o-	Ave	0.5499	0.5494		10.4	10.4	-0.0	30.0
Styrene	Ave	0.8834	0.9136		10.6	10.3	3.4	30.0
Bromoform	Ave	0.5918	0.6085		10.6	10.3	2.8	30.0
Cumene	Ave	1.689	1.663		10.3	10.5	-1.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9409	0.9291		10.2	10.3	-1.3	30.0
1,2,3-Trichloropropane	Ave	0.8156	0.7876		10.3	10.6	-3.4	30.0
n-Propylbenzene	Ave	2.207	2.157		10.1	10.4	-2.3	30.0
2-Chlorotoluene	Ave	1.566	1.527		10.2	10.4	-2.5	30.0
4-Ethyltoluene	Ave	1.742	1.732		10.2	10.2	-0.6	30.0
n-Decane	Ave	1.304	1.290		10.2	10.3	-1.1	30.0
1,3,5-Trimethylbenzene	Ave	1.417	1.401		10.4	10.5	-1.2	30.0
Alpha Methyl Styrene	Ave	0.6881	0.7079		10.4	10.2	2.9	30.0
tert-Butylbenzene	Ave	1.329	1.287		10.1	10.4	-3.2	30.0
1,2,4-Trimethylbenzene	Ave	1.435	1.425		10.4	10.4	-0.7	30.0
sec-Butylbenzene	Ave	2.102	2.070		10.3	10.5	-1.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Lab Sample ID: ICV 200-152505/17 Calibration Date: 02/19/2020 06:32
 Instrument ID: CHC.i Calib Start Date: 02/18/2020 18:21
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/19/2020 02:47
 Lab File ID: 40074-17.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	1.743	1.676		10.1	10.5	-3.8	30.0
1,3-Dichlorobenzene	Ave	0.9128	0.9282		10.3	10.2	1.7	30.0
1,4-Dichlorobenzene	Ave	0.9131	0.9031		10.3	10.4	-1.1	30.0
Benzyl chloride	Ave	1.455	1.588		11.1	10.2	9.1	30.0
n-Butylbenzene	Ave	1.860	1.807		10.2	10.5	-2.9	30.0
n-Undecane	Ave	1.466	1.416		10.4	10.7	-3.4	30.0
1,2-Dichlorobenzene	Ave	0.8744	0.8271		10.2	10.8	-5.4	30.0
n-Dodecane	Ave	1.461	1.414		10.3	10.6	-3.2	30.0
1,2,4-Trichlorobenzene	Ave	0.7590	0.7617		11.0	11.0	0.4	30.0
Hexachlorobutadiene	Ave	0.7181	0.6927		10.5	10.8	-3.5	30.0
Naphthalene	Ave	1.784	1.651		9.72	10.5	-7.4	30.0
1,2,3-Trichlorobenzene	Ave	0.7246	0.6384		9.57	10.9	-11.9	30.0

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-17.D

Lims ID: icv

Client ID:

Sample Type: ICV

Inject. Date: 19-Feb-2020 06:32:30

ALS Bottle#: 17

Worklist Smp#: 17

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Sample Info: 200-0040074-017

Misc. Info.: lcs

Operator ID: ggg

Instrument ID: CHC.i

Sublist: chrom-TO15_MasterMethod_(v1)_CHC.i*sub1

Method: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\TO15_MasterMethod_(v1)_CHC.i.m

Limit Group: AI_TO15_ICAL

Last Update: 19-Feb-2020 09:38:48

Calib Date: 19-Feb-2020 02:47:30

Integrator: RTE

ID Type: Deconvolution ID

Quant Method: Internal Standard

Quant By: Initial Calibration

Last ICal File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-13.D

Column 1 : RTX-624 (0.32 mm)

Det: MS SCAN

Process Host: CTX0313

First Level Reviewer: bourdeaut

Date: 19-Feb-2020 09:03:26

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	2.930	2.930	0.000	98	179508	10.1	9.99	
2 Dichlorodifluoromethane	85	2.994	2.994	0.000	99	441442	10.6	10.1	
3 Chlorodifluoromethane	51	3.042	3.042	0.000	98	329762	10.6	10.1	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.240	3.240	0.000	96	445236	10.6	9.98	
5 Chloromethane	50	3.362	3.362	0.000	99	179535	9.94	10.4	
6 Butane	43	3.554	3.554	0.000	98	313656	10.3	9.80	
7 Vinyl chloride	62	3.586	3.586	0.000	98	181323	9.99	9.77	
8 Butadiene	54	3.661	3.661	0.000	94	144988	9.70	9.71	
10 Bromomethane	94	4.291	4.291	0.000	99	144229	10.4	9.69	
11 Chloroethane	64	4.520	4.520	0.000	99	83488	10.6	9.95	
12 2-Methylbutane	43	4.617	4.617	0.000	93	218537	10.4	9.55	
9 BFB									
13 Vinyl bromide	106	4.899	4.899	0.000	98	140467	10.0	10.2	
14 Trichlorofluoromethane	101	5.011	5.011	0.000	98	403431	10.4	10.2	
16 Pentane	43	5.161	5.161	0.000	98	353706	10.2	9.60	
17 Ethanol	45	5.582	5.582	0.000	98	167130	15.0	14.9	
18 Ethyl ether	59	5.668	5.668	0.000	92	123757	10.2	9.98	
19 Acrolein	56	5.993	5.993	0.000	97	73048	9.71	8.13	
20 1,1,2-Trichloro-1,2,2-trif	101	6.073	6.073	0.000	95	321266	10.7	10.2	
21 1,1-Dichloroethene	96	6.095	6.095	0.000	92	148739	10.2	9.88	
22 Acetone	43	6.308	6.308	0.000	100	328272	10.4	9.86	
23 Carbon disulfide	76	6.463	6.463	0.000	100	464457	10.4	9.97	
24 Isopropyl alcohol	45	6.650	6.650	0.000	100	379060	10.2	10.1	
25 3-Chloro-1-propene	41	6.858	6.858	0.000	94	300073	10.7	9.79	
26 Acetonitrile	41	6.938	6.938	0.000	98	163114	9.72	9.80	
27 Methylene Chloride	49	7.146	7.146	0.000	96	239295	10.2	9.90	
28 2-Methyl-2-propanol	59	7.418	7.418	0.000	96	406155	10.8	10.7	
29 Methyl tert-butyl ether	73	7.589	7.589	0.000	97	507506	10.6	10.1	
31 trans-1,2-Dichloroethene	61	7.600	7.600	0.000	93	281973	10.3	9.85	
32 Acrylonitrile	53	7.701	7.701	0.000	93	135800	10.2	9.73	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Hexane	57	8.021	8.021	0.000	92	292801	10.5	9.87	
34 1,1-Dichloroethane	63	8.448	8.448	0.000	100	337578	10.3	9.39	
35 Vinyl acetate	43	8.544	8.544	0.000	100	649306	10.1	10.0	
37 cis-1,2-Dichloroethene	96	9.548	9.548	0.000	97	176057	10.4	10.1	
38 2-Butanone (MEK)	72	9.596	9.596	0.000	98	94353	10.4	10.1	
39 Ethyl acetate	88	9.676	9.676	0.000	98	14766	10.2	9.95	
* 40 Chlorobromomethane	128	9.996	9.996	0.000	95	245968	20.0	20.0	
41 Tetrahydrofuran	42	10.039	10.039	0.000	92	304454	9.81	9.66	
42 Chloroform	83	10.146	10.146	0.000	95	402124	10.3	9.85	
S 30 1,2-Dichloroethene, Total	61				0		20.0	19.9	
43 Cyclohexane	84	10.412	10.412	0.000	89	245465	10.2	9.92	
44 1,1,1-Trichloroethane	97	10.418	10.418	0.000	95	412567	10.3	9.94	
45 Carbon tetrachloride	117	10.679	10.679	0.000	96	408183	10.0	10.2	
47 Benzene	78	11.117	11.117	0.000	98	607734	10.4	9.89	
46 Isooctane	57	11.149	11.149	0.000	96	1167167	10.1	10.1	
48 1,2-Dichloroethane	62	11.282	11.282	0.000	97	330617	10.5	10.1	
49 n-Heptane	43	11.554	11.554	0.000	96	553459	10.3	9.68	
* 50 1,4-Difluorobenzene	114	11.971	11.971	0.000	98	1284189	20.0	20.0	
52 n-Butanol	56	12.424	12.424	0.000	97	176515	9.11	9.26	
53 Trichloroethene	95	12.440	12.440	0.000	91	265683	10.3	10.3	
A 51 GRO	1	12.843	(4.607-21.080)		0	106115491	10.0	0	
54 1,2-Dichloropropane	63	12.963	12.963	0.000	84	268873	10.3	10.1	
55 Methyl methacrylate	69	13.182	13.182	0.000	86	249088	10.2	9.93	
57 Dibromomethane	174	13.220	13.220	0.000	95	223805	10.3	10.1	
56 1,4-Dioxane	88	13.225	13.225	0.000	95	132512	10.3	11.0	
58 Dichlorobromomethane	83	13.540	13.540	0.000	97	491118	10.3	10.4	
60 cis-1,3-Dichloropropene	75	14.495	14.495	0.000	96	441384	9.94	10.4	
A 59 TVOC as Toluene	1	14.532	(2.920-26.145)		0	167855153	10.0	0	
61 4-Methyl-2-pentanone (MIBK)	43	14.799	14.799	0.000	98	773479	10.2	9.76	
65 Toluene	92	15.098	15.098	0.000	92	439364	10.2	9.97	
64 n-Octane	43	15.237	15.237	0.000	99	819133	10.3	9.70	
66 trans-1,3-Dichloropropene	75	15.701	15.701	0.000	93	398981	9.85	9.89	
67 1,1,2-Trichloroethane	83	16.064	16.064	0.000	96	233278	10.5	10.4	
68 Tetrachloroethene	166	16.214	16.214	0.000	93	331740	10.5	10.4	
69 2-Hexanone	43	16.539	16.539	0.000	90	744415	10.1	9.15	
71 Chlorodibromomethane	129	16.833	16.833	0.000	97	425455	10.6	9.78	
72 Ethylene Dibromide	107	17.089	17.089	0.000	98	388126	10.7	10.7	
* 74 Chlorobenzene-d5	117	18.007	18.007	0.000	94	1249884	20.0	20.0	
75 Chlorobenzene	112	18.071	18.071	0.000	88	561674	10.5	10.4	
76 Ethylbenzene	91	18.236	18.236	0.000	99	1024840	10.2	10.1	
77 n-Nonane	57	18.428	18.428	0.000	96	638731	10.5	10.4	
78 m-Xylene & p-Xylene	106	18.492	18.492	0.000	0	733086	20.0	20.4	
79 o-Xylene	106	19.325	19.325	0.000	97	355950	10.4	10.4	
80 Styrene	104	19.373	19.373	0.000	97	586820	10.3	10.6	
81 Bromoform	173	19.800	19.800	0.000	95	391616	10.3	10.6	
82 Isopropylbenzene	105	20.062	20.062	0.000	98	1087177	10.5	10.3	
S 73 Xylenes, Total	106				0		30.0	30.8	
84 1,1,2,2-Tetrachloroethane	83	20.739	20.739	0.000	98	600857	10.3	10.2	
85 N-Propylbenzene	91	20.830	20.830	0.000	98	1395987	10.4	10.1	
86 1,2,3-Trichloropropane	75	20.830	20.830	0.000	93	523609	10.6	10.3	
89 2-Chlorotoluene	91	21.027	21.027	0.000	96	995380	10.4	10.2	
88 4-Ethyltoluene	105	21.033	21.033	0.000	98	1109140	10.2	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 n-Decane	57	21.070	21.070	0.000	85	833526	10.3	10.2	
90 1,3,5-Trimethylbenzene	105	21.150	21.150	0.000	90	918132	10.5	10.4	
91 Alpha Methyl Styrene	118	21.529	21.529	0.000	83	449380	10.2	10.4	
92 tert-Butylbenzene	119	21.657	21.657	0.000	88	836153	10.4	10.1	
93 1,2,4-Trimethylbenzene	105	21.753	21.753	0.000	99	929841	10.4	10.4	
94 sec-Butylbenzene	105	21.993	21.993	0.000	98	1353037	10.5	10.3	
95 4-Isopropyltoluene	119	22.207	22.207	0.000	96	1099863	10.5	10.1	
96 1,3-Dichlorobenzene	146	22.223	22.223	0.000	96	589819	10.2	10.3	
97 1,4-Dichlorobenzene	146	22.362	22.362	0.000	90	586846	10.4	10.3	
98 Benzyl chloride	91	22.554	22.554	0.000	96	1007771	10.2	11.1	
100 n-Butylbenzene	91	22.783	22.783	0.000	97	1186375	10.5	10.2	
99 Undecane	57	22.842	22.842	0.000	91	948438	10.7	10.4	
101 1,2-Dichlorobenzene	146	22.885	22.885	0.000	92	556047	10.8	10.2	
102 Dodecane	57	24.363	24.363	0.000	90	940088	10.6	10.3	
103 1,2,4-Trichlorobenzene	180	25.260	25.260	0.000	93	522548	11.0	11.0	
104 Hexachlorobutadiene	225	25.457	25.457	0.000	97	469577	10.8	10.5	
105 Naphthalene	128	25.687	25.687	0.000	98	1083300	10.5	9.72	
106 1,2,3-Trichlorobenzene	180	26.135	26.135	0.000	95	433189	10.9	9.57	

Reagents:

ATTO15LCSW_00804

Amount Added: 200.00

Units: mL

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 19-Feb-2020 09:38:49

Chrom Revision: 2.3 13-Feb-2020 09:36:32

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-17.D

Injection Date: 19-Feb-2020 06:32:30

Instrument ID: CHC.i

Operator ID: ggg

Lims ID: icv

Worklist Smp#: 17

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

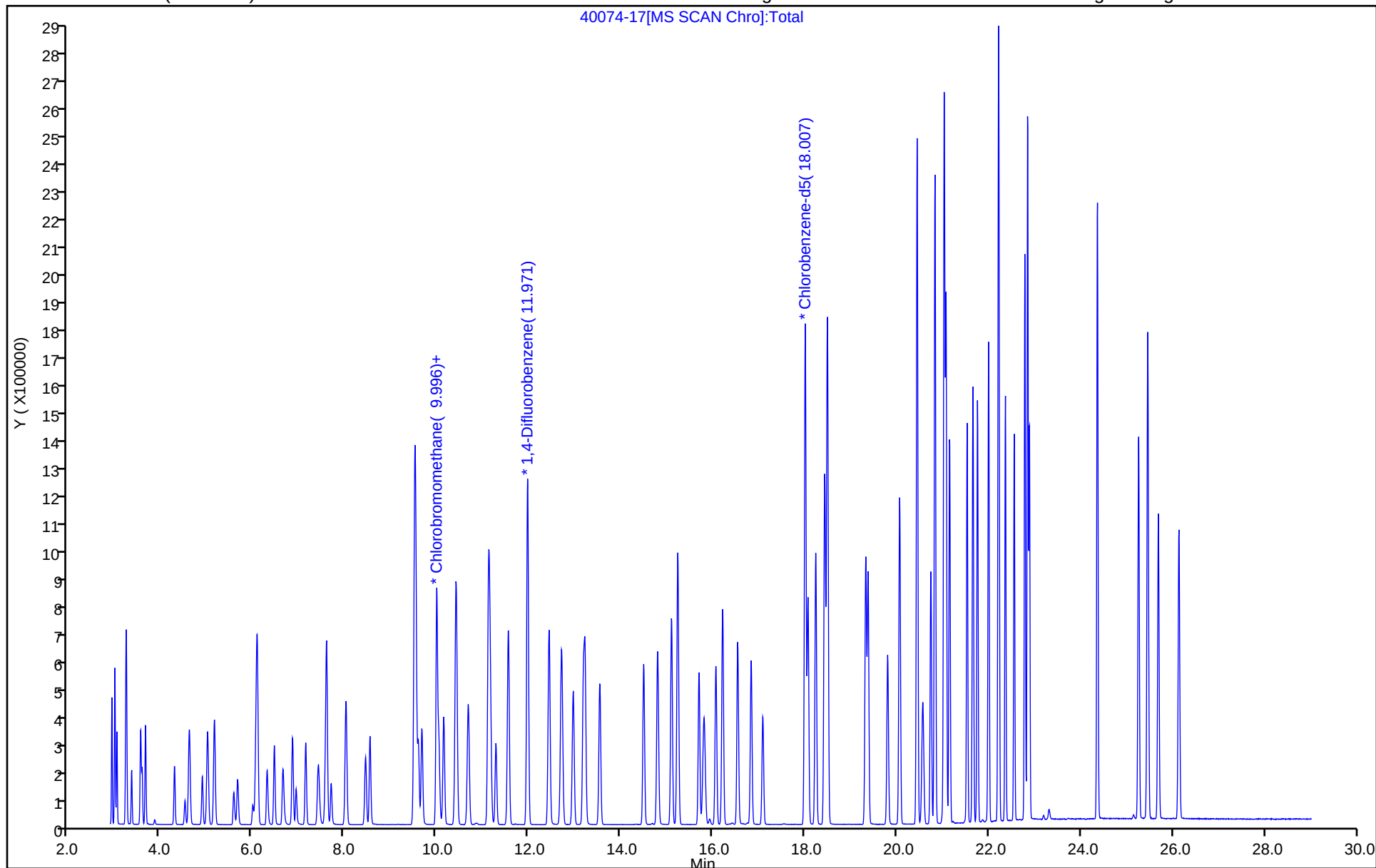
ALS Bottle#: 17

Method: TO15_MasterMethod_(v1)_CHC.i

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: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-152580/2 Calibration Date: 02/20/2020 11:37
 Instrument ID: CHC.i Calib Start Date: 02/18/2020 18:21
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/19/2020 02:47
 Lab File ID: 40108-02.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	1.461	1.508		10.6	10.3	3.2	30.0
Dichlorodifluoromethane	Ave	3.543	3.294		9.71	10.4	-7.0	30.0
Freon 22	Ave	2.652	2.637		10.4	10.5	-0.6	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.626	3.613		10.4	10.4	-0.4	30.0
Chloromethane	Ave	1.399	1.410		11.0	10.9	0.8	30.0
n-Butane	Ave	2.602	2.603		10.4	10.4	0.0	30.0
Vinyl chloride	Ave	1.509	1.503		10.4	10.4	-0.4	30.0
1,3-Butadiene	Ave	1.214	1.224		10.2	10.1	0.8	30.0
Bromomethane	Ave	1.210	1.192		10.2	10.3	-1.5	30.0
Chloroethane	Ave	0.6823	0.6973		10.6	10.4	2.2	30.0
Isopentane	Ave	1.861	1.802		10.1	10.4	-3.2	30.0
Bromoethene (Vinyl Bromide)	Ave	1.124	1.124		10.4	10.4	0.0	30.0
Trichlorofluoromethane	Ave	3.231	3.210		10.5	10.6	-0.7	30.0
n-Pentane	Ave	2.996	3.053		10.3	10.1	1.9	30.0
Ethanol	Ave	0.9136	0.9500		15.6	15.0	4.0	30.0
Ethyl ether	Ave	1.009	1.044		10.4	10.1	3.5	30.0
Acrolein	Ave	0.7303	0.6699		8.92	9.72	-8.3	30.0
Freon TF	Ave	2.552	2.533		10.4	10.5	-0.7	30.0
1,1-Dichloroethene	Ave	1.225	1.202		10.1	10.3	-1.9	30.0
Acetone	Ave	2.708	2.730		10.3	10.2	0.8	30.0
Carbon disulfide	Ave	3.790	3.831		10.3	10.2	1.1	30.0
Isopropyl alcohol	Ave	3.059	3.139		10.5	10.2	2.6	30.0
3-Chloropropene	Ave	2.493	2.409		10.3	10.6	-3.3	30.0
Acetonitrile	Ave	1.353	1.402		10.3	9.90	3.6	30.0
Methylene Chloride	Ave	1.966	1.977		10.3	10.3	0.6	30.0
tert-Butyl alcohol	Ave	3.094	3.133		10.9	10.8	1.3	30.0
Methyl tert-butyl ether	Ave	4.102	4.054		10.3	10.4	-1.2	30.0
trans-1,2-Dichloroethene	Ave	2.328	2.349		10.3	10.2	0.9	30.0
Acrylonitrile	Ave	1.135	1.144		10.2	10.1	0.7	30.0
n-Hexane	Ave	2.413	2.365		10.4	10.6	-2.0	30.0
1,1-Dichloroethane	Ave	2.923	2.864		9.80	10.0	-2.0	30.0
Vinyl acetate	Ave	5.260	5.320		10.5	10.4	1.1	30.0
cis-1,2-Dichloroethene	Ave	1.424	1.436		10.2	10.1	0.8	30.0
Methyl Ethyl Ketone	Ave	0.7630	0.7608		10.3	10.3	-0.3	30.0
Ethyl acetate	Ave	0.1207	0.1181		9.91	10.1	-2.2	30.0
Tetrahydrofuran	Ave	0.4910	0.4896		9.96	9.99	-0.3	30.0
Chloroform	Ave	3.320	3.278		9.97	10.1	-1.3	30.0
1,1,1-Trichloroethane	Ave	0.6467	0.6246		9.84	10.2	-3.4	30.0
Cyclohexane	Ave	0.3855	0.3734		9.83	10.1	-3.2	30.0
Carbon tetrachloride	Ave	0.6251	0.6175		10.0	10.2	-1.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-152580/2 Calibration Date: 02/20/2020 11:37
 Instrument ID: CHC.i Calib Start Date: 02/18/2020 18:21
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/19/2020 02:47
 Lab File ID: 40108-02.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
Benzene	Ave	0.9572	0.9060		9.78	10.3	-5.3	30.0
2,2,4-Trimethylpentane	Ave	1.805	1.735		10.1	10.5	-3.8	30.0
1,2-Dichloroethane	Ave	0.5084	0.4877		9.94	10.4	-4.1	30.0
n-Heptane	Ave	0.8906	0.8266		9.75	10.5	-7.2	30.0
n-Butanol	Ave	0.2970	0.2825		9.08	9.55	-4.9	30.0
Trichloroethene	Ave	0.4016	0.3856		10.1	10.5	-4.0	30.0
1,2-Dichloropropane	Ave	0.4158	0.4037		10.0	10.3	-2.9	30.0
Methyl methacrylate	Ave	0.3905	0.3738		9.73	10.2	-4.3	30.0
Dibromomethane	Ave	0.3455	0.3341		9.96	10.3	-3.3	30.0
1,4-Dioxane	Ave	0.1884	0.1939		10.9	10.6	2.9	30.0
Bromodichloromethane	Ave	0.7335	0.7058		10.2	10.6	-3.8	30.0
cis-1,3-Dichloropropene	Ave	0.6598	0.6540		10.3	10.4	-0.9	30.0
methyl isobutyl ketone	Ave	1.235	1.138		9.44	10.2	-7.8	30.0
Toluene	Ave	0.7049	0.6788		9.78	10.2	-3.7	30.0
n-Octane	Ave	1.315	1.214		9.54	10.3	-7.7	30.0
trans-1,3-Dichloropropene	Ave	0.6280	0.6176		9.71	9.88	-1.7	30.0
1,1,2-Trichloroethane	Ave	0.3589	0.3446		10.1	10.5	-4.0	30.0
Tetrachloroethene	Ave	0.5081	0.4902		10.1	10.5	-3.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	1.302	1.140		8.75	9.99	-12.4	30.0
Dibromochloromethane	Ave	0.6961	0.6721		9.34	9.68	-3.4	30.0
1,2-Dibromoethane	Ave	0.5818	0.5694		10.4	10.6	-2.1	30.0
Chlorobenzene	Ave	0.8615	0.8306		10.1	10.5	-3.6	30.0
Ethylbenzene	Ave	1.622	1.558		9.82	10.2	-3.9	30.0
n-Nonane	Ave	0.9861	0.9439		10.0	10.5	-4.3	30.0
m,p-Xylene	Ave	0.5746	0.5520		19.7	20.6	-3.9	30.0
Xylene, o-	Ave	0.5499	0.5320		10.0	10.4	-3.2	30.0
Styrene	Ave	0.8834	0.8701		10.2	10.3	-1.5	30.0
Bromoform	Ave	0.5918	0.5862		10.2	10.3	-0.9	30.0
Cumene	Ave	1.689	1.620		10.0	10.4	-4.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9409	0.9059		9.95	10.3	-3.7	30.0
1,2,3-Trichloropropane	Ave	0.8156	0.7651		9.93	10.6	-6.2	30.0
n-Propylbenzene	Ave	2.207	2.103		9.91	10.4	-4.7	30.0
2-Chlorotoluene	Ave	1.566	1.480		9.87	10.4	-5.5	30.0
4-Ethyltoluene	Ave	1.742	1.684		9.98	10.3	-3.3	30.0
n-Decane	Ave	1.304	1.251		10.0	10.4	-4.1	30.0
1,3,5-Trimethylbenzene	Ave	1.417	1.363		9.99	10.4	-3.9	30.0
Alpha Methyl Styrene	Ave	0.6881	0.6730		9.97	10.2	-2.2	30.0
tert-Butylbenzene	Ave	1.329	1.262		9.83	10.4	-5.1	30.0
1,2,4-Trimethylbenzene	Ave	1.435	1.387		10.1	10.4	-3.3	30.0
sec-Butylbenzene	Ave	2.102	2.016		10.0	10.5	-4.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-152580/2 Calibration Date: 02/20/2020 11:37
 Instrument ID: CHC.i Calib Start Date: 02/18/2020 18:21
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/19/2020 02:47
 Lab File ID: 40108-02.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	1.743	1.676		9.91	10.3	-3.9	30.0
1,3-Dichlorobenzene	Ave	0.9128	0.8724		10.1	10.6	-4.4	30.0
1,4-Dichlorobenzene	Ave	0.9131	0.8771		10.1	10.5	-3.9	30.0
Benzyl chloride	Ave	1.455	1.483		10.8	10.6	1.9	30.0
n-Butylbenzene	Ave	1.860	1.777		9.93	10.4	-4.4	30.0
n-Undecane	Ave	1.466	1.420		10.1	10.5	-3.1	30.0
1,2-Dichlorobenzene	Ave	0.8744	0.8291		9.90	10.4	-5.2	30.0
n-Dodecane	Ave	1.461	1.566		10.0	9.36	7.2	30.0
1,2,4-Trichlorobenzene	Ave	0.7590	0.7478		10.7	10.9	-1.5	30.0
Hexachlorobutadiene	Ave	0.7181	0.7096		10.1	10.3	-1.2	30.0
Naphthalene	Ave	1.784	1.743		9.50	9.72	-2.3	30.0
1,2,3-Trichlorobenzene	Ave	0.7246	0.7248		9.12	9.12	0.0	30.0

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-02.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 20-Feb-2020 11:37:30 ALS Bottle#: 2 Worklist Smp#: 2
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0040108-002
 Operator ID: ggg Instrument ID: CHC.i
 Sublist: chrom-TO15_MasterMethod_(v1)_CHC.i*sub10
 Method: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Feb-2020 16:13:58 Calib Date: 19-Feb-2020 02:47:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0311

First Level Reviewer: bunmaa

Date: 21-Feb-2020 11:21:32

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	2.946	2.946	0.000	98	197821	10.3	10.6	
2 Dichlorodifluoromethane	85	3.010	3.010	0.000	99	437194	10.4	9.71	
3 Chlorodifluoromethane	51	3.053	3.053	0.000	98	351351	10.5	10.4	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.255	3.255	0.000	96	478108	10.4	10.4	
5 Chloromethane	50	3.373	3.373	0.000	99	195775	10.9	11.0	
6 Butane	43	3.570	3.570	0.000	98	342900	10.4	10.4	
7 Vinyl chloride	62	3.602	3.602	0.000	98	198557	10.4	10.4	
8 Butadiene	54	3.677	3.677	0.000	94	157466	10.1	10.2	
10 Bromomethane	94	4.307	4.307	0.000	99	156258	10.3	10.2	
11 Chloroethane	64	4.531	4.531	0.000	99	92101	10.4	10.6	
12 2-Methylbutane	43	4.627	4.627	0.000	93	239112	10.4	10.1	
9 BFB									
13 Vinyl bromide	106	4.910	4.910	0.000	98	148906	10.4	10.4	
14 Trichlorofluoromethane	101	5.022	5.022	0.000	98	430922	10.6	10.5	
16 Pentane	43	5.171	5.171	0.000	97	393130	10.1	10.3	
17 Ethanol	45	5.598	5.598	0.000	98	181247	15.0	15.6	
18 Ethyl ether	59	5.678	5.678	0.000	91	133724	10.1	10.4	
19 Acrolein	56	6.004	6.004	0.000	97	82785	9.72	8.92	
20 1,1,2-Trichloro-1,2,2-trif	101	6.084	6.084	0.000	94	337859	10.5	10.4	
21 1,1-Dichloroethene	96	6.100	6.100	0.000	92	157035	10.3	10.1	
22 Acetone	43	6.319	6.319	0.000	100	355354	10.2	10.3	
23 Carbon disulfide	76	6.474	6.474	0.000	100	494893	10.2	10.3	
24 Isopropyl alcohol	45	6.666	6.666	0.000	100	407883	10.2	10.5	
25 3-Chloro-1-propene	41	6.869	6.869	0.000	93	326203	10.6	10.3	
26 Acetonitrile	41	6.949	6.949	0.000	98	176478	9.90	10.3	
27 Methylene Chloride	49	7.151	7.151	0.000	96	258330	10.3	10.3	
28 2-Methyl-2-propanol	59	7.434	7.434	0.000	96	429415	10.8	10.9	
29 Methyl tert-butyl ether	73	7.600	7.600	0.000	96	538537	10.4	10.3	
31 trans-1,2-Dichloroethene	61	7.610	7.610	0.000	93	304539	10.2	10.3	
32 Acrylonitrile	53	7.706	7.706	0.000	92	147008	10.1	10.2	
33 Hexane	57	8.027	8.027	0.000	92	318349	10.6	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
34 1,1-Dichloroethane	63	8.454	8.454	0.000	99	364066	10.0	9.80	
35 Vinyl acetate	43	8.550	8.550	0.000	100	702753	10.4	10.5	
37 cis-1,2-Dichloroethene	96	9.553	9.553	0.000	96	184325	10.1	10.2	
38 2-Butanone (MEK)	72	9.601	9.601	0.000	98	100011	10.3	10.3	
39 Ethyl acetate	88	9.670	9.670	0.000	98	15210	10.1	9.91	
* 40 Chlorobromomethane	128	9.996	9.996	0.000	94	254312	20.0	20.0	
41 Tetrahydrofuran	42	10.044	10.044	0.000	92	328971	9.99	9.96	
42 Chloroform	83	10.151	10.151	0.000	95	420944	10.1	9.97	
S 30 1,2-Dichloroethene, Total	61				0		20.3	20.5	
43 Cyclohexane	84	10.418	10.418	0.000	87	254868	10.1	9.83	
44 1,1,1-Trichloroethane	97	10.418	10.418	0.000	94	428016	10.2	9.84	
45 Carbon tetrachloride	117	10.684	10.684	0.000	96	421934	10.2	10.0	
47 Benzene	78	11.122	11.122	0.000	98	629463	10.3	9.78	
46 Isooctane	57	11.149	11.149	0.000	96	1221986	10.5	10.1	
48 1,2-Dichloroethane	62	11.282	11.282	0.000	97	339772	10.4	9.94	
49 n-Heptane	43	11.554	11.554	0.000	96	584284	10.5	9.75	
* 50 1,4-Difluorobenzene	114	11.971	11.971	0.000	98	1345351	20.0	20.0	
52 n-Butanol	56	12.440	12.440	0.000	98	181467	9.55	9.08	
53 Trichloroethene	95	12.440	12.440	0.000	94	273071	10.5	10.1	
A 51 GRO	1	12.846	(4.617-21.075)		0	109734313	10.0	0	
54 1,2-Dichloropropane	63	12.958	12.958	0.000	85	279925	10.3	10.0	
55 Methyl methacrylate	69	13.182	13.182	0.000	87	255440	10.2	9.73	
57 Dibromomethane	174	13.219	13.219	0.000	95	231461	10.3	9.96	
56 1,4-Dioxane	88	13.230	13.230	0.000	97	137937	10.6	10.9	
58 Dichlorobromomethane	83	13.540	13.540	0.000	97	501719	10.6	10.2	
60 cis-1,3-Dichloropropene	75	14.495	14.495	0.000	97	457013	10.4	10.3	
A 59 TVOC as Toluene	1	14.540	(2.936-26.145)		0	173864030	10.0	0	
61 4-Methyl-2-pentanone (MIBK)	43	14.799	14.799	0.000	98	783823	10.2	9.44	
65 Toluene	92	15.098	15.098	0.000	92	459873	10.2	9.78	
64 n-Octane	43	15.237	15.237	0.000	99	843656	10.3	9.54	
66 trans-1,3-Dichloropropene	75	15.696	15.696	0.000	94	410376	9.88	9.71	
67 1,1,2-Trichloroethane	83	16.064	16.064	0.000	96	240819	10.5	10.1	
68 Tetrachloroethene	166	16.213	16.213	0.000	94	343228	10.5	10.1	
69 2-Hexanone	43	16.539	16.539	0.000	89	759381	9.99	8.75	
71 Chlorodibromomethane	129	16.833	16.833	0.000	96	433820	9.68	9.34	
72 Ethylene Dibromide	107	17.083	17.083	0.000	98	402812	10.6	10.4	
* 74 Chlorobenzene-d5	117	18.007	18.007	0.000	93	1333826	20.0	20.0	
75 Chlorobenzene	112	18.065	18.065	0.000	88	580939	10.5	10.1	
76 Ethylbenzene	91	18.236	18.236	0.000	99	1061895	10.2	9.82	
77 n-Nonane	57	18.428	18.428	0.000	95	659556	10.5	10.0	
78 m-Xylene & p-Xylene	106	18.487	18.487	0.000	0	756779	20.6	19.7	
79 o-Xylene	106	19.325	19.325	0.000	97	367500	10.4	10.0	
80 Styrene	104	19.373	19.373	0.000	97	598715	10.3	10.2	
81 Bromoform	173	19.800	19.800	0.000	95	402227	10.3	10.2	
82 Isopropylbenzene	105	20.056	20.056	0.000	98	1126727	10.4	10.0	
S 73 Xylenes, Total	106				0		30.9	29.8	
84 1,1,2,2-Tetrachloroethane	83	20.739	20.739	0.000	98	624569	10.3	9.95	
86 1,2,3-Trichloropropane	75	20.825	20.825	0.000	93	540230	10.6	9.93	
85 N-Propylbenzene	91	20.830	20.830	0.000	98	1458037	10.4	9.91	
89 2-Chlorotoluene	91	21.027	21.027	0.000	96	1030522	10.4	9.87	
88 4-Ethyltoluene	105	21.027	21.027	0.000	98	1160048	10.3	9.98	
87 n-Decane	57	21.065	21.065	0.000	85	869260	10.4	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 1,3,5-Trimethylbenzene	105	21.145	21.145	0.000	91	943997	10.4	9.99	
91 Alpha Methyl Styrene	118	21.524	21.524	0.000	83	457749	10.2	9.97	
92 tert-Butylbenzene	119	21.652	21.652	0.000	89	871638	10.4	9.83	
93 1,2,4-Trimethylbenzene	105	21.753	21.753	0.000	99	961727	10.4	10.1	
94 sec-Butylbenzene	105	21.993	21.993	0.000	98	1405807	10.5	10.0	
95 4-Isopropyltoluene	119	22.207	22.207	0.000	96	1151952	10.3	9.91	
96 1,3-Dichlorobenzene	146	22.217	22.217	0.000	96	615463	10.6	10.1	
97 1,4-Dichlorobenzene	146	22.362	22.362	0.000	91	612352	10.5	10.1	
98 Benzyl chloride	91	22.548	22.548	0.000	96	1046465	10.6	10.8	
100 n-Butylbenzene	91	22.783	22.783	0.000	97	1231202	10.4	9.93	
99 Undecane	57	22.842	22.842	0.000	92	990436	10.5	10.1	
101 1,2-Dichlorobenzene	146	22.879	22.879	0.000	92	577130	10.4	9.90	
102 Dodecane	57	24.358	24.358	0.000	90	977268	9.36	10.0	
103 1,2,4-Trichlorobenzene	180	25.254	25.254	0.000	93	541489	10.9	10.7	
104 Hexachlorobutadiene	225	25.457	25.457	0.000	97	485473	10.3	10.1	
105 Naphthalene	128	25.686	25.686	0.000	98	1129868	9.72	9.50	
106 1,2,3-Trichlorobenzene	180	26.135	26.135	0.000	93	440764	9.12	9.12	
123 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL4w_00739

Amount Added: 200.00

Units: mL

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 21-Feb-2020 16:13:59

Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-02.D

Injection Date: 20-Feb-2020 11:37:30

Instrument ID: CHC.i

Operator ID: ggg

Lims ID: CCVIS

Worklist Smp#: 2

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

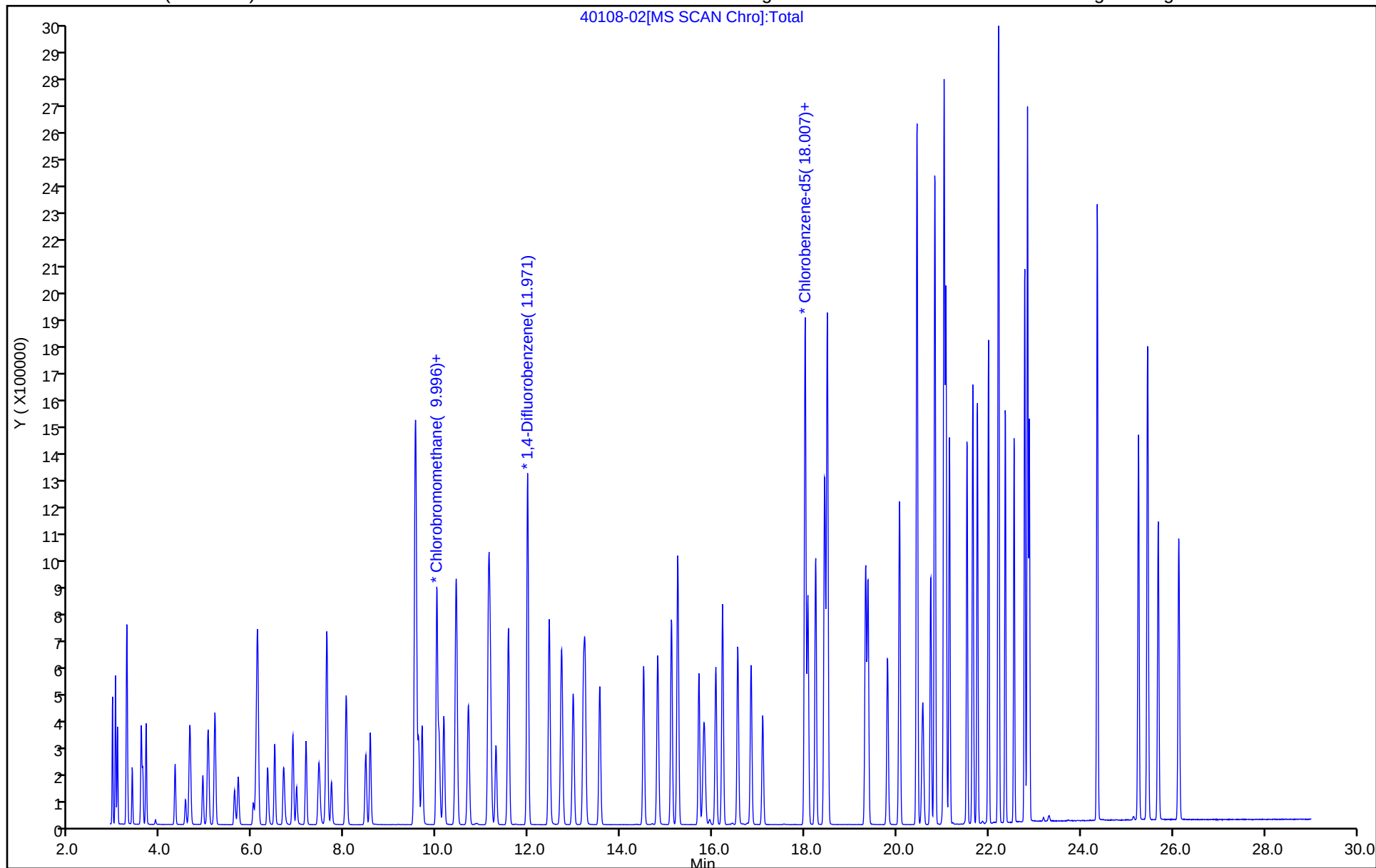
ALS Bottle#: 2

Method: TO15_MasterMethod_(v1)_CHC.i

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: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Lab Sample ID: ICV 200-151656/17 Calibration Date: 01/22/2020 05:28
 Instrument ID: CHX.i Calib Start Date: 01/21/2020 18:37
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 01/22/2020 04:38
 Lab File ID: 39662-17.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	1.042	1.040		9.99	10.0	-0.1	30.0
Dichlorodifluoromethane	Ave	3.482	3.590		10.3	10.0	3.1	30.0
Freon 22	Ave	1.954	2.039		10.4	10.0	4.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.958	4.119		10.4	10.0	4.1	30.0
Chloromethane	Ave	1.257	1.242		9.89	10.0	-1.1	30.0
n-Butane	Ave	1.563	1.588		10.2	10.0	1.6	30.0
Vinyl chloride	Ave	1.111	1.163		10.5	10.0	4.6	30.0
1,3-Butadiene	Ave	0.6760	0.6925		10.2	10.0	2.4	30.0
Bromomethane	Ave	1.534	1.440		9.39	10.0	-6.1	30.0
Chloroethane	Ave	0.7238	0.7709		10.6	10.0	6.5	30.0
Isopentane	Ave	1.464	1.476		10.1	10.0	0.8	30.0
Bromoethene (Vinyl Bromide)	Ave	1.513	1.519		10.0	10.0	0.4	30.0
Trichlorofluoromethane	Ave	3.933	3.847		9.78	10.0	-2.2	30.0
n-Pentane	Ave	2.055	2.040		9.92	10.0	-0.8	30.0
Ethanol	Ave	0.4630	0.3750		12.2	15.0	-19.0	30.0
Ethyl ether	Ave	0.8226	0.8092		9.83	10.0	-1.6	30.0
Acrolein	Ave	0.3160	0.3674		11.6	10.0	16.3	30.0
Freon TF	Ave	2.860	2.926		10.2	10.0	2.3	30.0
1,1-Dichloroethene	Ave	1.445	1.382		9.56	10.0	-4.4	30.0
Acetone	Ave	1.488	1.269		8.53	10.0	-14.7	30.0
Carbon disulfide	Ave	3.239	3.113		9.61	10.0	-3.9	30.0
Isopropyl alcohol	Ave	1.268	1.285		10.1	10.0	1.3	30.0
3-Chloropropene	Ave	0.9026	0.9046		10.0	10.0	0.2	30.0
Acetonitrile	Ave	0.5513	0.4558		8.27	10.0	-17.3	30.0
Methylene Chloride	Ave	0.9490	1.027		10.8	10.0	8.2	30.0
tert-Butyl alcohol	Ave	1.873	2.107		11.2	10.0	12.5	30.0
Methyl tert-butyl ether	Ave	3.136	3.300		10.5	10.0	5.3	30.0
trans-1,2-Dichloroethene	Ave	1.485	1.481		9.97	10.0	-0.3	30.0
Acrylonitrile	Ave	0.6463	0.6393		9.89	10.0	-1.1	30.0
n-Hexane	Ave	1.476	1.484		10.0	10.0	0.5	30.0
1,1-Dichloroethane	Ave	1.846	1.857		10.1	10.0	0.6	30.0
Vinyl acetate	Ave	1.892	1.890		9.99	10.0	-0.1	30.0
cis-1,2-Dichloroethene	Ave	1.348	1.360		10.1	10.0	0.9	30.0
Methyl Ethyl Ketone	Ave	0.5639	0.5499		9.75	10.0	-2.5	30.0
Ethyl acetate	Ave	0.1050	0.1040		9.91	10.0	-0.9	30.0
Tetrahydrofuran	Ave	0.1777	0.1790		10.1	10.0	0.8	30.0
Chloroform	Ave	2.636	2.596		9.85	10.0	-1.5	30.0
Cyclohexane	Ave	0.3461	0.3492		10.1	10.0	0.9	30.0
1,1,1-Trichloroethane	Ave	0.6384	0.6257		9.80	10.0	-2.0	30.0
Carbon tetrachloride	Ave	0.6947	0.7058		10.2	10.0	1.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Lab Sample ID: ICV 200-151656/17 Calibration Date: 01/22/2020 05:28
 Instrument ID: CHX.i Calib Start Date: 01/21/2020 18:37
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 01/22/2020 04:38
 Lab File ID: 39662-17.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	0.9774	0.9950		10.2	10.0	1.8	30.0
Benzene	Ave	0.7831	0.7788		9.94	10.0	-0.5	30.0
1,2-Dichloroethane	Ave	0.3212	0.3175		9.88	10.0	-1.1	30.0
n-Heptane	Ave	0.3088	0.3155		10.2	10.0	2.2	30.0
n-Butanol	Ave	0.1177	0.1109		9.42	10.0	-5.8	30.0
Trichloroethene	Ave	0.3810	0.3804		9.98	10.0	-0.1	30.0
1,2-Dichloropropane	Ave	0.2410	0.2449		10.2	10.0	1.6	30.0
Methyl methacrylate	Ave	0.2460	0.2489		10.1	10.0	1.2	30.0
1,4-Dioxane	Ave	0.1594	0.1724		10.8	10.0	8.2	30.0
Dibromomethane	Ave	0.5011	0.4888		9.75	10.0	-2.5	30.0
Bromodichloromethane	Ave	0.5664	0.5867		10.4	10.0	3.6	30.0
cis-1,3-Dichloropropene	Ave	0.4224	0.4411		10.4	10.0	4.4	30.0
methyl isobutyl ketone	Ave	0.4084	0.4120		10.1	10.0	0.9	30.0
Toluene	Ave	0.6362	0.6243		9.81	10.0	-1.9	30.0
n-Octane	Ave	0.4121	0.4294		10.4	10.0	4.2	30.0
trans-1,3-Dichloropropene	Ave	0.4273	0.4396		10.3	10.0	2.9	30.0
1,1,2-Trichloroethane	Ave	0.3213	0.3163		9.84	10.0	-1.5	30.0
Tetrachloroethene	Ave	0.7936	0.7681		9.68	10.0	-3.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4705	0.4630		9.84	10.0	-1.6	30.0
Dibromochloromethane	Ave	0.7443	0.8238		11.1	10.0	10.7	30.0
1,2-Dibromoethane	Ave	0.6110	0.6626		10.8	10.0	8.4	30.0
Chlorobenzene	Ave	1.012	1.022		10.1	10.0	1.0	30.0
Ethylbenzene	Ave	1.544	1.532		9.92	10.0	-0.8	30.0
n-Nonane	Ave	0.5701	0.5828		10.2	10.0	2.2	30.0
m,p-Xylene	Ave	0.6508	0.6487		19.9	20.0	-0.3	30.0
Xylene, o-	Ave	0.6260	0.6262		10.0	10.0	0.0	30.0
Styrene	Ave	0.9027	0.9795		10.8	10.0	8.5	30.0
Bromoform	Ave	0.7575	0.8410		11.1	10.0	11.0	30.0
Cumene	Ave	1.837	1.837		10.0	10.0	-0.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8331	0.8376		10.1	10.0	0.5	30.0
n-Propylbenzene	Ave	2.035	2.074		10.2	10.0	1.9	30.0
1,2,3-Trichloropropane	Ave	0.6249	0.6571		10.5	10.0	5.1	30.0
n-Decane	Ave	0.7096	0.7570		10.7	10.0	6.7	30.0
4-Ethyltoluene	Ave	1.758	1.815		10.3	10.0	3.3	30.0
2-Chlorotoluene	Ave	1.447	1.461		10.1	10.0	1.0	30.0
1,3,5-Trimethylbenzene	Ave	1.576	1.587		10.1	10.0	0.7	30.0
Alpha Methyl Styrene	Ave	0.7508	0.8448		11.2	10.0	12.5	30.0
tert-Butylbenzene	Ave	1.606	1.619		10.1	10.0	0.8	30.0
1,2,4-Trimethylbenzene	Ave	1.538	1.582		10.3	10.0	2.9	30.0
sec-Butylbenzene	Ave	2.283	2.341		10.3	10.0	2.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Lab Sample ID: ICV 200-151656/17 Calibration Date: 01/22/2020 05:28
 Instrument ID: CHX.i Calib Start Date: 01/21/2020 18:37
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 01/22/2020 04:38
 Lab File ID: 39662-17.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	1.927	2.093		10.9	10.0	8.6	30.0
1,3-Dichlorobenzene	Ave	1.127	1.179		10.5	10.0	4.6	30.0
1,4-Dichlorobenzene	Ave	1.059	1.130		10.7	10.0	6.6	30.0
Benzyl chloride	Ave	0.996	1.191		12.0	10.0	19.6	30.0
n-Butylbenzene	Ave	1.523	1.734		11.4	10.0	13.9	30.0
n-Undecane	Ave	0.7206	0.8372		11.6	10.0	16.2	30.0
1,2-Dichlorobenzene	Ave	1.065	1.184		11.1	10.0	11.2	30.0
n-Dodecane	Ave	0.5773	0.6784		11.7	10.0	17.5	30.0
1,2,4-Trichlorobenzene	Ave	0.6779	0.8256		12.2	10.0	21.8	30.0
Hexachlorobutadiene	Ave	1.029	1.122		10.9	10.0	9.0	30.0
Naphthalene	Ave	1.341	1.655		12.3	10.0	23.4	30.0
1,2,3-Trichlorobenzene	Ave	0.6929	0.8411		12.1	10.0	21.4	30.0

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-17.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 22-Jan-2020 05:28:30 ALS Bottle#: 19 Worklist Smp#: 17
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0039662-017
 Operator ID: ggg Instrument ID: CHX.i
 Sublist:
 Method: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 23-Jan-2020 09:51:44 Calib Date: 22-Jan-2020 04:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-16.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0318

First Level Reviewer: phamvu

Date: 22-Jan-2020 09:09:56

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	4.104	4.083	0.021	98	290656	10.0	9.99	
2 Dichlorodifluoromethane	85	4.195	4.174	0.021	100	1002968	10.0	10.3	
3 Chlorodifluoromethane	51	4.260	4.233	0.027	98	569593	10.0	10.4	
4 1,2-Dichloro-1,1,2,2-tetra	85	4.522	4.500	0.022	97	1150924	10.0	10.4	
5 Chloromethane	50	4.709	4.688	0.021	99	347155	10.0	9.89	
6 Butane	43	4.944	4.923	0.021	98	443626	10.0	10.2	
7 Vinyl chloride	62	5.003	4.976	0.027	98	324935	10.0	10.5	
8 Butadiene	54	5.089	5.062	0.027	91	193492	10.0	10.2	
9 BFB									
10 Bromomethane	94	5.881	5.859	0.022	99	402487	10.0	9.39	
11 Chloroethane	64	6.127	6.111	0.016	98	215401	10.0	10.6	
12 2-Methylbutane	43	6.196	6.175	0.021	92	412368	10.0	10.1	
13 Vinyl bromide	106	6.544	6.528	0.016	100	424326	10.0	10.0	
14 Trichlorofluoromethane	101	6.640	6.624	0.016	98	1074893	10.0	9.78	
16 Pentane	43	6.774	6.758	0.016	98	569861	10.0	9.92	
17 Ethanol	45	7.186	7.175	0.011	98	157217	15.0	12.2	
18 Ethyl ether	59	7.288	7.277	0.011	93	226099	10.0	9.83	
19 Acrolein	56	7.683	7.667	0.016	95	102664	10.0	11.6	
20 1,1,2-Trichloro-1,2,2-trif	101	7.694	7.683	0.011	94	817437	10.0	10.2	
21 1,1-Dichloroethene	96	7.758	7.742	0.016	93	386109	10.0	9.56	
22 Acetone	43	7.972	7.962	0.010	96	354512	10.0	8.53	
23 Carbon disulfide	76	8.154	8.144	0.011	98	869766	10.0	9.61	
24 Isopropyl alcohol	45	8.218	8.213	0.005	100	358935	10.0	10.1	
25 3-Chloro-1-propene	41	8.502	8.491	0.011	96	252749	10.0	10.0	
26 Acetonitrile	41	8.630	8.614	0.016	99	127343	10.0	8.27	
27 Methylene Chloride	49	8.780	8.769	0.011	82	286842	10.0	10.8	
28 2-Methyl-2-propanol	59	8.941	8.935	0.006	93	588607	10.0	11.2	
29 Methyl tert-butyl ether	73	9.128	9.123	0.006	95	922148	10.0	10.5	
31 trans-1,2-Dichloroethene	61	9.187	9.176	0.011	91	413937	10.0	9.97	
32 Acrylonitrile	53	9.326	9.320	0.006	97	178638	10.0	9.89	
33 Hexane	57	9.524	9.513	0.011	88	414602	10.0	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
S 30 1,2-Dichloroethene, Total	61				0		20.0	20.1	
34 1,1-Dichloroethane	63	10.005	9.995	0.011	99	518981	10.0	10.1	
35 Vinyl acetate	43	10.048	10.043	0.005	99	528180	10.0	9.99	
37 cis-1,2-Dichloroethene	96	11.038	11.032	0.006	84	380074	10.0	10.1	
38 2-Butanone (MEK)	72	11.070	11.064	0.006	99	153633	10.0	9.75	
39 Ethyl acetate	88	11.091	11.086	0.005	99	29067	10.0	9.91	
* 40 Chlorobromomethane	128	11.471	11.466	0.005	72	279464	10.0	10.0	
41 Tetrahydrofuran	42	11.471	11.466	0.005	79	234198	10.0	10.1	
42 Chloroform	83	11.578	11.573	0.005	95	725394	10.0	9.85	
43 Cyclohexane	84	11.813	11.803	0.010	90	456732	10.0	10.1	
44 1,1,1-Trichloroethane	97	11.835	11.829	0.006	93	818433	10.0	9.80	
45 Carbon tetrachloride	117	12.065	12.059	0.006	97	923242	10.0	10.2	
46 Isooctane	57	12.429	12.423	0.006	99	1301464	10.0	10.2	
47 Benzene	78	12.482	12.477	0.005	93	1018682	10.0	9.94	
48 1,2-Dichloroethane	62	12.648	12.643	0.005	99	415344	10.0	9.88	
49 n-Heptane	43	12.771	12.766	0.005	84	412656	10.0	10.2	
* 50 1,4-Difluorobenzene	114	13.220	13.215	0.005	92	1308296	10.0	10.0	
52 n-Butanol	56	13.541	13.536	0.005	84	145092	10.0	9.42	
53 Trichloroethene	95	13.638	13.638	0.000	94	497627	10.0	9.98	
A 51 GRO	1	13.919	(6.165-21.672)		0	131062129	10.0	0	
54 1,2-Dichloropropane	63	14.130	14.130	0.000	92	320287	10.0	10.2	
55 Methyl methacrylate	69	14.253	14.248	0.005	94	325552	10.0	10.1	
56 1,4-Dioxane	88	14.322	14.317	0.005	86	225528	10.0	10.8	
57 Dibromomethane	174	14.365	14.360	0.005	87	639360	10.0	9.75	
58 Dichlorobromomethane	83	14.617	14.611	0.006	97	767409	10.0	10.4	
60 cis-1,3-Dichloropropene	75	15.446	15.441	0.006	88	576997	10.0	10.4	
A 59 TVOC as Toluene	92	15.510	(4.073-26.947)		0	246032334	10.0	0	
61 4-Methyl-2-pentanone (MIBK)	43	15.692	15.687	0.005	92	538858	10.0	10.1	
65 Toluene	92	15.975	15.975	0.000	94	784718	10.0	9.81	
64 n-Octane	43	16.002	16.002	0.000	85	561724	10.0	10.4	
66 trans-1,3-Dichloropropene	75	16.537	16.537	0.000	93	575044	10.0	10.3	
67 1,1,2-Trichloroethane	83	16.901	16.896	0.005	94	397594	10.0	9.84	
68 Tetrachloroethene	166	17.003	16.997	0.006	95	965394	10.0	9.68	
69 2-Hexanone	43	17.324	17.318	0.006	98	581937	10.0	9.84	
71 Chlorodibromomethane	129	17.650	17.650	0.000	98	1035427	10.0	11.1	
72 Ethylene Dibromide	107	17.917	17.917	0.000	98	832790	10.0	10.8	
* 74 Chlorobenzene-d5	117	18.795	18.795	0.000	82	1257174	10.0	10.0	
75 Chlorobenzene	112	18.854	18.854	0.000	98	1284283	10.0	10.1	
76 Ethylbenzene	91	18.998	18.998	0.000	96	1926224	10.0	9.92	
77 n-Nonane	57	19.105	19.105	0.000	83	732531	10.0	10.2	
78 m-Xylene & p-Xylene	106	19.244	19.244	0.000	0	1630748	20.0	19.9	
S 73 Xylenes, Total	106				0		30.0	29.9	
79 o-Xylene	106	20.084	20.084	0.000	98	787082	10.0	10.0	
80 Styrene	104	20.138	20.138	0.000	95	1231175	10.0	10.8	
81 Bromoform	173	20.576	20.576	0.000	99	1057125	10.0	11.1	
82 Isopropylbenzene	105	20.769	20.769	0.000	94	2308678	10.0	10.0	
84 1,1,2,2-Tetrachloroethane	83	21.437	21.438	-0.001	99	1052762	10.0	10.1	
85 N-Propylbenzene	91	21.491	21.496	-0.005	100	2607348	10.0	10.2	
86 1,2,3-Trichloropropane	75	21.534	21.534	0.000	95	825906	10.0	10.5	
87 n-Decane	57	21.662	21.662	0.000	91	951552	10.0	10.7	
88 4-Ethyltoluene	105	21.684	21.684	0.000	98	2281575	10.0	10.3	
89 2-Chlorotoluene	91	21.700	21.694	0.006	96	1836655	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 1,3,5-Trimethylbenzene	105	21.791	21.791	0.000	94	1995360	10.0	10.1	
91 Alpha Methyl Styrene	118	22.165	22.165	0.000	93	1061835	10.0	11.2	
92 tert-Butylbenzene	119	22.283	22.283	0.000	96	2034912	10.0	10.1	
93 1,2,4-Trimethylbenzene	105	22.379	22.379	0.000	96	1988400	10.0	10.3	
94 sec-Butylbenzene	105	22.609	22.609	0.000	99	2942343	10.0	10.3	
95 4-Isopropyltoluene	119	22.807	22.807	0.000	97	2630830	10.0	10.9	
96 1,3-Dichlorobenzene	146	22.844	22.844	0.000	94	1482006	10.0	10.5	
97 1,4-Dichlorobenzene	146	22.984	22.984	0.000	97	1420068	10.0	10.7	
98 Benzyl chloride	91	23.181	23.182	-0.001	100	1497026	10.0	12.0	
100 n-Butylbenzene	91	23.379	23.379	0.000	97	2179632	10.0	11.4	
99 Undecane	57	23.401	23.401	0.000	91	1052350	10.0	11.6	
101 1,2-Dichlorobenzene	146	23.513	23.513	0.000	99	1488398	10.0	11.1	
102 Dodecane	57	24.968	24.968	0.000	96	852730	10.0	11.7	
103 1,2,4-Trichlorobenzene	180	25.990	25.990	0.000	90	1037771	10.0	12.2	
104 Hexachlorobutadiene	225	26.167	26.167	0.000	95	1409654	10.0	10.9	
105 Naphthalene	128	26.466	26.466	0.000	99	2079945	10.0	12.3	
106 1,2,3-Trichlorobenzene	180	26.937	26.937	0.000	95	1057136	10.0	12.1	

Reagents:

ATTO15LCSW_00798

Amount Added: 200.00

Units: mL

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 23-Jan-2020 09:51:53

Chrom Revision: 2.3 14-Jan-2020 22:23:42

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-17.D

Injection Date: 22-Jan-2020 05:28:30

Instrument ID: CHX.i

Operator ID: ggg

Lims ID: icv

Worklist Smp#: 17

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

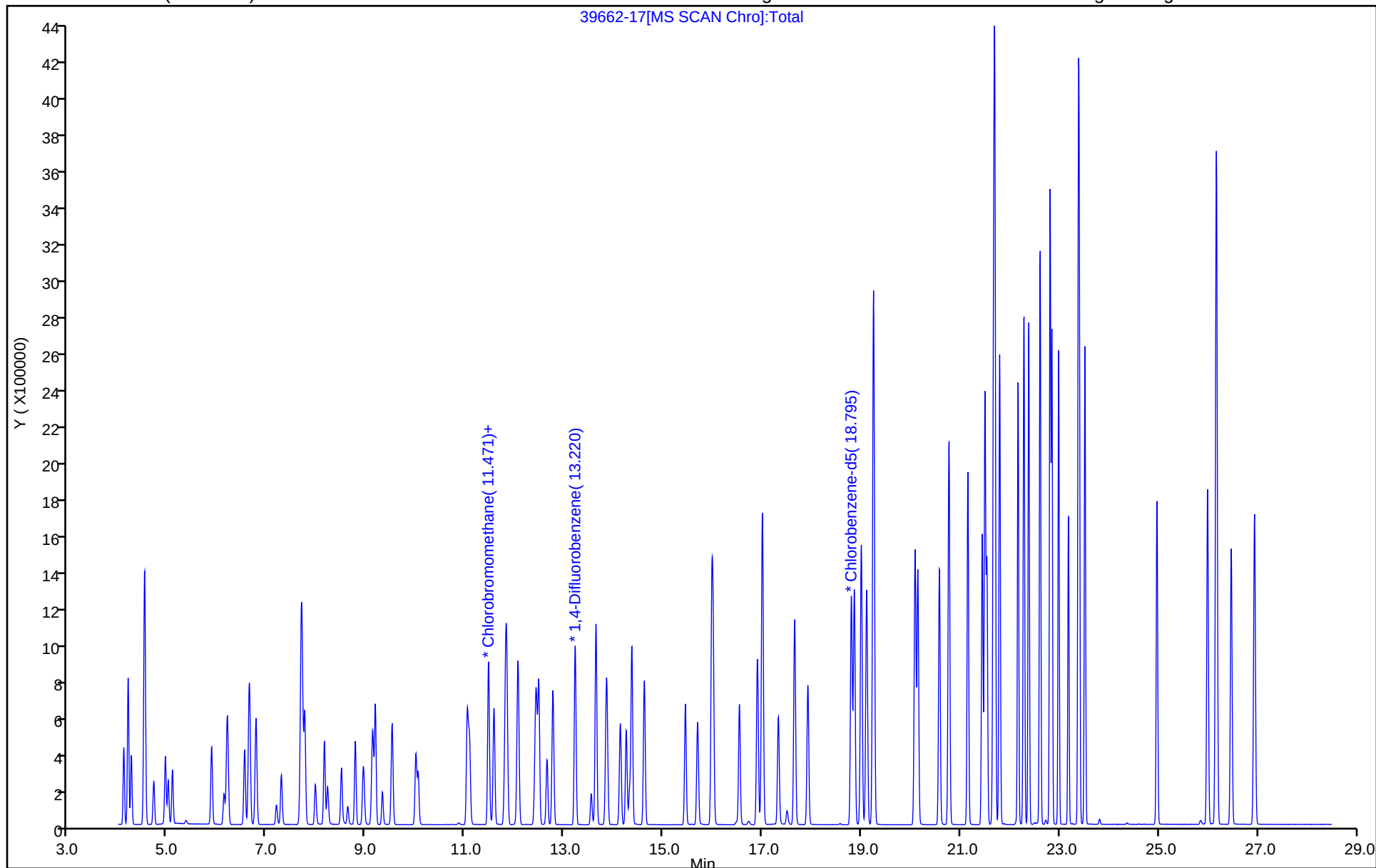
ALS Bottle#: 19

Method: TO15_MasterMethod_X.m

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: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-152597/2 Calibration Date: 02/21/2020 08:10
 Instrument ID: CHX.i Calib Start Date: 01/21/2020 18:37
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 01/22/2020 04:38
 Lab File ID: 40114-02.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	1.042	1.214		12.0	10.3	16.6	30.0
Dichlorodifluoromethane	Ave	3.482	3.543		10.6	10.4	1.8	30.0
Freon 22	Ave	1.954	2.245		12.0	10.5	14.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.958	4.089		10.8	10.4	3.3	30.0
Chloromethane	Ave	1.257	1.265		11.0	10.9	0.7	30.0
n-Butane	Ave	1.563	1.317		8.73	10.4	-15.7	30.0
Vinyl chloride	Ave	1.111	0.9139		8.54	10.4	-17.8	30.0
1,3-Butadiene	Ave	0.6760	0.5884		8.81	10.1	-13.0	30.0
Bromomethane	Ave	1.534	1.144		7.68	10.3	-25.4	30.0
Chloroethane	Ave	0.7238	0.5209		7.48	10.4	-28.0	30.0
Isopentane	Ave	1.464	1.154		8.23	10.4	-21.2	30.0
Bromoethene (Vinyl Bromide)	Ave	1.513	1.234		8.50	10.4	-18.4	30.0
Trichlorofluoromethane	Ave	3.933	3.490		9.37	10.6	-11.3	30.0
n-Pentane	Ave	2.055	1.696		8.36	10.1	-17.5	30.0
Ethanol	Ave	0.4630	0.4905		15.9	15.0	5.9	30.0
Ethyl ether	Ave	0.8226	0.6792		8.32	10.1	-17.4	30.0
Acrolein	Ave	0.3160	0.3293		10.1	9.72	4.2	30.0
Freon TF	Ave	2.860	2.297		8.42	10.5	-19.7	30.0
1,1-Dichloroethene	Ave	1.445	1.055		7.50	10.3	-27.0	30.0
Acetone	Ave	1.488	1.320		9.09	10.2	-11.2	30.0
Carbon disulfide	Ave	3.239	2.477		7.77	10.2	-23.5	30.0
Isopropyl alcohol	Ave	1.268	1.173		9.45	10.2	-7.5	30.0
3-Chloropropene	Ave	0.9026	0.7209		8.50	10.6	-20.1	30.0
Acetonitrile	Ave	0.5513	0.3962		7.11	9.90	-28.1	30.0
Methylene Chloride	Ave	0.9490	0.8678		9.40	10.3	-8.6	30.0
tert-Butyl alcohol	Ave	1.873	1.657		9.53	10.8	-11.5	30.0
Methyl tert-butyl ether	Ave	3.136	2.708		9.02	10.4	-13.6	30.0
trans-1,2-Dichloroethene	Ave	1.485	1.288		8.84	10.2	-13.3	30.0
Acrylonitrile	Ave	0.6463	0.5295		8.28	10.1	-18.1	30.0
n-Hexane	Ave	1.476	1.207		8.66	10.6	-18.2	30.0
1,1-Dichloroethane	Ave	1.846	1.587		8.59	10.0	-14.0	30.0
Vinyl acetate	Ave	1.892	1.854		10.2	10.4	-2.0	30.0
cis-1,2-Dichloroethene	Ave	1.348	1.074		8.04	10.1	-20.4	30.0
Methyl Ethyl Ketone	Ave	0.5639	0.4495		8.24	10.3	-20.3	30.0
Ethyl acetate	Ave	0.1050	0.0843		8.14	10.1	-19.7	30.0
Tetrahydrofuran	Ave	0.1777	0.1563		8.79	9.99	-12.0	30.0
Chloroform	Ave	2.636	2.276		8.72	10.1	-13.7	30.0
Cyclohexane	Ave	0.3461	0.2820		8.27	10.1	-18.5	30.0
1,1,1-Trichloroethane	Ave	0.6384	0.5663		9.04	10.2	-11.3	30.0
Carbon tetrachloride	Ave	0.6947	0.6157		9.00	10.2	-11.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-152597/2 Calibration Date: 02/21/2020 08:10
 Instrument ID: CHX.i Calib Start Date: 01/21/2020 18:37
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 01/22/2020 04:38
 Lab File ID: 40114-02.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	0.9774	0.8161		8.74	10.5	-16.5	30.0
Benzene	Ave	0.7831	0.6392		8.43	10.3	-18.4	30.0
1,2-Dichloroethane	Ave	0.3212	0.2920		9.42	10.4	-9.1	30.0
n-Heptane	Ave	0.3088	0.2659		9.05	10.5	-13.9	30.0
n-Butanol	Ave	0.1177	0.1088		8.82	9.55	-7.6	30.0
Trichloroethene	Ave	0.3810	0.3115		8.61	10.5	-18.2	30.0
1,2-Dichloropropane	Ave	0.2410	0.2005		8.58	10.3	-16.8	30.0
Methyl methacrylate	Ave	0.2460	0.2037		8.41	10.2	-17.2	30.0
1,4-Dioxane	Ave	0.1594	0.1418		9.42	10.6	-11.0	30.0
Dibromomethane	Ave	0.5011	0.3989		8.20	10.3	-20.4	30.0
Bromodichloromethane	Ave	0.5664	0.5027		9.38	10.6	-11.2	30.0
cis-1,3-Dichloropropene	Ave	0.4224	0.3710		9.12	10.4	-12.2	30.0
methyl isobutyl ketone	Ave	0.4084	0.3492		8.75	10.2	-14.5	30.0
Toluene	Ave	0.6362	0.5081		8.11	10.2	-20.1	30.0
n-Octane	Ave	0.4121	0.3733		9.36	10.3	-9.4	30.0
trans-1,3-Dichloropropene	Ave	0.4273	0.3851		8.90	9.88	-9.9	30.0
1,1,2-Trichloroethane	Ave	0.3213	0.2509		8.18	10.5	-21.9	30.0
Tetrachloroethene	Ave	0.7936	0.5911		7.82	10.5	-25.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4705	0.3891		8.26	9.99	-17.3	30.0
Dibromochloromethane	Ave	0.7443	0.7249		9.43	9.68	-2.6	30.0
1,2-Dibromoethane	Ave	0.6110	0.5017		8.71	10.6	-17.9	30.0
Chlorobenzene	Ave	1.012	0.7743		8.03	10.5	-23.5	30.0
Ethylbenzene	Ave	1.544	1.262		8.35	10.2	-18.3	30.0
n-Nonane	Ave	0.5701	0.4754		8.74	10.5	-16.6	30.0
m,p-Xylene	Ave	0.6508	0.5206		16.4	20.6	-20.0	30.0
Xylene, o-	Ave	0.6260	0.4805		7.95	10.4	-23.2	30.0
Styrene	Ave	0.9027	0.7608		8.70	10.3	-15.7	30.0
Bromoform	Ave	0.7575	0.7426		10.1	10.3	-2.0	30.0
Cumene	Ave	1.837	1.512		8.58	10.4	-17.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8331	0.6582		8.17	10.3	-21.0	30.0
n-Propylbenzene	Ave	2.035	1.728		8.83	10.4	-15.1	30.0
1,2,3-Trichloropropane	Ave	0.6249	0.5286		8.96	10.6	-15.4	30.0
n-Decane	Ave	0.7096	0.6108		8.97	10.4	-13.9	30.0
4-Ethyltoluene	Ave	1.758	1.552		9.12	10.3	-11.7	30.0
2-Chlorotoluene	Ave	1.447	1.253		9.04	10.4	-13.4	30.0
1,3,5-Trimethylbenzene	Ave	1.576	1.312		8.65	10.4	-16.7	30.0
Alpha Methyl Styrene	Ave	0.7508	0.6561		8.91	10.2	-12.6	30.0
tert-Butylbenzene	Ave	1.606	1.336		8.61	10.4	-16.9	30.0
1,2,4-Trimethylbenzene	Ave	1.538	1.314		8.88	10.4	-14.6	30.0
sec-Butylbenzene	Ave	2.283	1.909		8.75	10.5	-16.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-152597/2 Calibration Date: 02/21/2020 08:10
 Instrument ID: CHX.i Calib Start Date: 01/21/2020 18:37
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 01/22/2020 04:38
 Lab File ID: 40114-02.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	1.927	1.695		9.06	10.3	-12.1	30.0
1,3-Dichlorobenzene	Ave	1.127	0.9026		8.47	10.6	-19.9	30.0
1,4-Dichlorobenzene	Ave	1.059	0.8565		8.46	10.5	-19.2	30.0
Benzyl chloride	Ave	0.996	0.8788		9.33	10.6	-11.8	30.0
n-Butylbenzene	Ave	1.523	1.429		9.75	10.4	-6.1	30.0
n-Undecane	Ave	0.7206	0.6874		9.98	10.5	-4.6	30.0
1,2-Dichlorobenzene	Ave	1.065	0.9044		8.86	10.4	-15.1	30.0
n-Dodecane	Ave	0.5773	0.6127		9.93	9.36	6.1	30.0
1,2,4-Trichlorobenzene	Ave	0.6779	0.6041		9.68	10.9	-10.9	30.0
Hexachlorobutadiene	Ave	1.029	1.028		10.2	10.3	-0.1	30.0
Naphthalene	Ave	1.341	1.314		9.52	9.72	-2.0	30.0
1,2,3-Trichlorobenzene	Ave	0.6929	0.6791		8.94	9.12	-2.0	30.0

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-02.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 21-Feb-2020 08:10:30 ALS Bottle#: 2 Worklist Smp#: 2
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0040114-002
 Operator ID: ggg Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 24-Feb-2020 10:13:18 Calib Date: 22-Jan-2020 04:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-16.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0337

First Level Reviewer: puangmaleek

Date: 24-Feb-2020 10:13:18

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	4.094	4.094	0.000	98	355881	10.3	12.0	
2 Dichlorodifluoromethane	85	4.185	4.185	0.000	99	1050654	10.4	10.6	
3 Chlorodifluoromethane	51	4.249	4.249	0.000	98	668217	10.5	12.0	
4 1,2-Dichloro-1,1,2,2-tetra	85	4.516	4.516	0.000	97	1209106	10.4	10.8	
5 Chloromethane	50	4.704	4.704	0.000	99	392445	10.9	11.0	
6 Butane	43	4.934	4.934	0.000	98	387661	10.4	8.73	
7 Vinyl chloride	62	4.993	4.993	0.000	98	269725	10.4	8.54	
8 Butadiene	54	5.083	5.083	0.000	92	169142	10.1	8.81	
9 BFB									
10 Bromomethane	94	5.870	5.870	0.000	99	334938	10.3	7.68	
11 Chloroethane	64	6.121	6.121	0.000	99	153750	10.4	7.48	
12 2-Methylbutane	43	6.191	6.191	0.000	91	342296	10.4	8.23	
13 Vinyl bromide	106	6.539	6.539	0.000	99	365210	10.4	8.50	
14 Trichlorofluoromethane	101	6.630	6.630	0.000	99	1046862	10.6	9.37	
16 Pentane	43	6.763	6.763	0.000	98	488043	10.1	8.36	
17 Ethanol	45	7.181	7.181	0.000	99	209084	15.0	15.9	
18 Ethyl ether	59	7.277	7.277	0.000	96	194475	10.1	8.32	
19 Acrolein	56	7.678	7.678	0.000	96	90919	9.72	10.1	
20 1,1,2-Trichloro-1,2,2-trif	101	7.689	7.689	0.000	95	684438	10.5	8.42	
21 1,1-Dichloroethene	96	7.753	7.753	0.000	95	308030	10.3	7.50	
22 Acetone	43	7.967	7.967	0.000	97	384096	10.2	9.09	
23 Carbon disulfide	76	8.149	8.149	0.000	99	715028	10.2	7.77	
24 Isopropyl alcohol	45	8.218	8.218	0.000	100	340472	10.2	9.45	
25 3-Chloro-1-propene	41	8.491	8.491	0.000	97	218103	10.6	8.50	
26 Acetonitrile	41	8.620	8.620	0.000	99	111436	9.90	7.11	
27 Methylene Chloride	49	8.775	8.775	0.000	84	253431	10.3	9.40	
28 2-Methyl-2-propanol	59	8.941	8.941	0.000	94	507466	10.8	9.53	
29 Methyl tert-butyl ether	73	9.128	9.128	0.000	95	803873	10.4	9.02	
31 trans-1,2-Dichloroethene	61	9.181	9.181	0.000	94	373149	10.2	8.84	
32 Acrylonitrile	53	9.320	9.320	0.000	95	152079	10.1	8.28	
33 Hexane	57	9.518	9.518	0.000	90	363251	10.6	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
S 30 1,2-Dichloroethene, Total	61				0		20.3	16.9	
34 1,1-Dichloroethane	63	10.000	10.000	0.000	99	450746	10.0	8.59	
35 Vinyl acetate	43	10.048	10.048	0.000	99	547095	10.4	10.2	
37 cis-1,2-Dichloroethene	96	11.032	11.032	0.000	88	308095	10.1	8.04	
38 2-Butanone (MEK)	72	11.064	11.064	0.000	99	132035	10.3	8.24	
39 Ethyl acetate	88	11.086	11.086	0.000	98	24268	10.1	8.14	
* 40 Chlorobromomethane	128	11.466	11.466	0.000	74	284129	10.0	10.0	
41 Tetrahydrofuran	42	11.471	11.471	0.000	88	205629	9.99	8.79	
42 Chloroform	83	11.578	11.578	0.000	95	652920	10.1	8.72	
43 Cyclohexane	84	11.808	11.808	0.000	93	376933	10.1	8.27	
44 1,1,1-Trichloroethane	97	11.835	11.835	0.000	93	759938	10.2	9.04	
45 Carbon tetrachloride	117	12.059	12.059	0.000	98	823741	10.2	9.00	
46 Isooctane	57	12.423	12.423	0.000	98	1125266	10.5	8.74	
47 Benzene	78	12.482	12.482	0.000	94	869615	10.3	8.43	
48 1,2-Dichloroethane	62	12.648	12.648	0.000	99	398370	10.4	9.42	
49 n-Heptane	43	12.766	12.766	0.000	87	368043	10.5	9.05	
* 50 1,4-Difluorobenzene	114	13.220	13.220	0.000	92	1317184	10.0	10.0	
52 n-Butanol	56	13.547	13.547	0.000	86	136812	9.55	8.82	
53 Trichloroethene	95	13.638	13.638	0.000	97	431945	10.5	8.61	
A 51 GRO	1	13.927	(6.181-21.672)		0	117700040	10.0	0	
54 1,2-Dichloropropane	63	14.130	14.130	0.000	90	272269	10.3	8.58	
55 Methyl methacrylate	69	14.248	14.248	0.000	94	272531	10.2	8.41	
56 1,4-Dioxane	88	14.317	14.317	0.000	88	197625	10.6	9.42	
57 Dibromomethane	174	14.365	14.365	0.000	88	541011	10.3	8.20	
58 Dichlorobromomethane	83	14.617	14.617	0.000	98	699749	10.6	9.38	
60 cis-1,3-Dichloropropene	75	15.446	15.446	0.000	90	507660	10.4	9.12	
A 59 TVOC as Toluene	92	15.518	(4.084-26.952)		0	219848757	10.0	0	
61 4-Methyl-2-pentanone (MIBK)	43	15.692	15.692	0.000	93	470921	10.2	8.75	
65 Toluene	92	15.975	15.975	0.000	93	656225	10.2	8.11	
64 n-Octane	43	16.008	16.008	0.000	84	507769	10.3	9.36	
66 trans-1,3-Dichloropropene	75	16.532	16.532	0.000	95	500999	9.88	8.90	
67 1,1,2-Trichloroethane	83	16.901	16.901	0.000	95	334272	10.5	8.18	
68 Tetrachloroethene	166	16.997	16.997	0.000	97	788978	10.5	7.82	
69 2-Hexanone	43	17.324	17.324	0.000	97	494100	9.99	8.26	
71 Chlorodibromomethane	129	17.650	17.650	0.000	98	891948	9.68	9.43	
72 Ethylene Dibromide	107	17.917	17.917	0.000	99	676584	10.6	8.71	
* 74 Chlorobenzene-d5	117	18.800	18.800	0.000	83	1271434	10.0	10.0	
75 Chlorobenzene	112	18.859	18.859	0.000	97	1032522	10.5	8.03	
76 Ethylbenzene	91	18.998	18.998	0.000	97	1638888	10.2	8.35	
77 n-Nonane	57	19.105	19.105	0.000	83	633374	10.5	8.74	
78 m-Xylene & p-Xylene	106	19.244	19.244	0.000	0	1360631	20.6	16.4	
S 73 Xylenes, Total	106				0		30.9	24.4	
79 o-Xylene	106	20.084	20.084	0.000	98	632824	10.4	7.95	
80 Styrene	104	20.138	20.138	0.000	96	998105	10.3	8.70	
81 Bromoform	173	20.576	20.576	0.000	99	971361	10.3	10.1	
82 Isopropylbenzene	105	20.769	20.769	0.000	95	2004684	10.4	8.58	
84 1,1,2,2-Tetrachloroethane	83	21.438	21.438	0.000	99	865185	10.3	8.17	
85 N-Propylbenzene	91	21.496	21.496	0.000	100	2284498	10.4	8.83	
86 1,2,3-Trichloropropane	75	21.534	21.534	0.000	96	711619	10.6	8.96	
87 n-Decane	57	21.662	21.662	0.000	93	809048	10.4	8.97	
88 4-Ethyltoluene	105	21.684	21.684	0.000	99	2037420	10.3	9.12	
89 2-Chlorotoluene	91	21.700	21.700	0.000	96	1663199	10.4	9.04	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 1,3,5-Trimethylbenzene	105	21.791	21.791	0.000	93	1733218	10.4	8.65	
91 Alpha Methyl Styrene	118	22.165	22.165	0.000	91	850758	10.2	8.91	
92 tert-Butylbenzene	119	22.283	22.283	0.000	95	1758850	10.4	8.61	
93 1,2,4-Trimethylbenzene	105	22.379	22.379	0.000	96	1737339	10.4	8.88	
94 sec-Butylbenzene	105	22.609	22.609	0.000	98	2538360	10.5	8.75	
95 4-Isopropyltoluene	119	22.812	22.812	0.000	97	2221215	10.3	9.06	
96 1,3-Dichlorobenzene	146	22.850	22.850	0.000	95	1213902	10.6	8.47	
97 1,4-Dichlorobenzene	146	22.984	22.984	0.000	97	1139997	10.5	8.46	
98 Benzyl chloride	91	23.182	23.182	0.000	99	1181941	10.6	9.33	
100 n-Butylbenzene	91	23.385	23.385	0.000	97	1887685	10.4	9.75	
99 Undecane	57	23.401	23.401	0.000	91	913951	10.5	9.98	
101 1,2-Dichlorobenzene	146	23.513	23.513	0.000	98	1200212	10.4	8.86	
102 Dodecane	57	24.968	24.968	0.000	97	728958	9.36	9.93	
103 1,2,4-Trichlorobenzene	180	25.995	25.995	0.000	94	833979	10.9	9.68	
104 Hexachlorobutadiene	225	26.172	26.172	0.000	95	1340275	10.3	10.2	
105 Naphthalene	128	26.472	26.472	0.000	99	1623687	9.72	9.52	
106 1,2,3-Trichlorobenzene	180	26.942	26.942	0.000	96	787289	9.12	8.94	
123 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL4w_00739

Amount Added: 200.00

Units: mL

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 24-Feb-2020 10:13:19

Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-02.D

Injection Date: 21-Feb-2020 08:10:30

Instrument ID: CHX.i

Operator ID: ggg

Lims ID: CCVIS

Worklist Smp#: 2

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

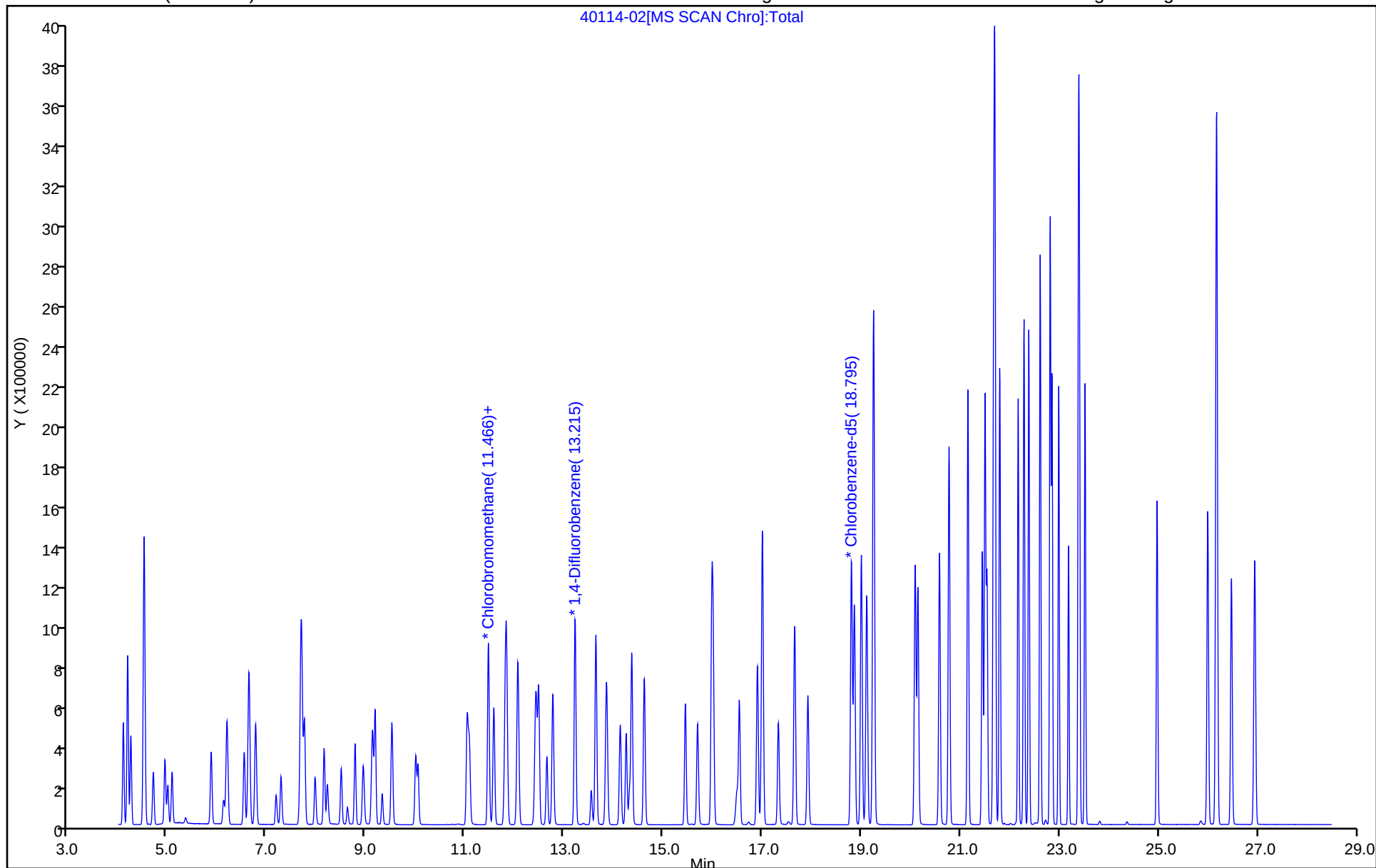
ALS Bottle#: 2

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-01.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 18-Feb-2020 15:22:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 200.0 mL Dil. Factor: 1.0000
 Sample Info: 200-0040074-001
 Misc. Info.: bfb
 Operator ID: ggg Instrument ID: CHC.i
 Method: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 27-Feb-2020 09:59:57 Calib Date: 19-Feb-2020 02:47:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0333

First Level Reviewer: guazzonig

Date: 27-Feb-2020 09:59:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags

9 BFB

* 40 Chlorobromomethane	128	9.996				20.0	ND
* 50 1,4-Difluorobenzene	114	11.971				20.0	ND
* 74 Chlorobenzene-d5	117	18.007				20.0	ND

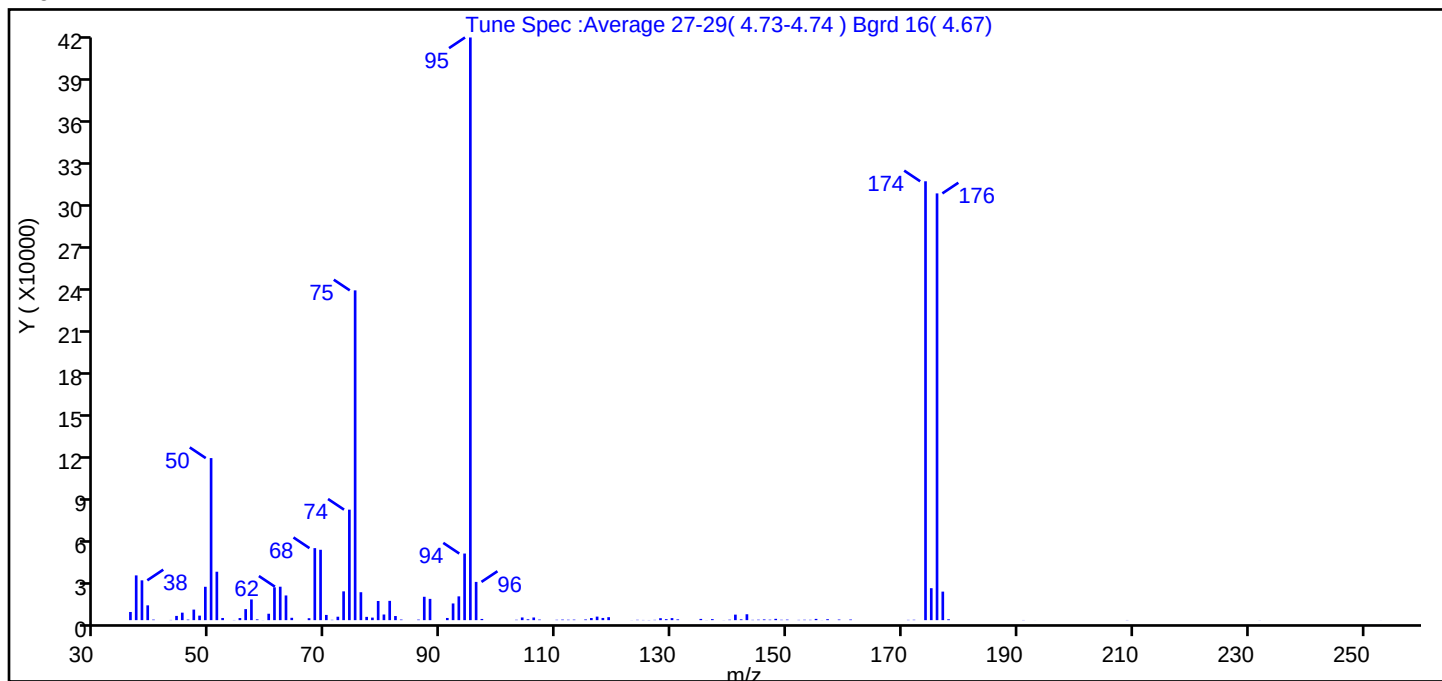
Reagents:

ATTO15CISs_00010 Amount Added: 40.00 Units: mL Run Reagent

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-01.D
Injection Date: 18-Feb-2020 15:22:30 Instrument ID: CHC.i
Lims ID: bfb
Client ID:
Operator ID: ggg ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

9 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	27.8
75	30.0 to 66.0 Percent of m/e 95	56.6
96	5.0 to 9.0 Percent of m/e 95	6.6
173	Less than 2.0 Percent of m/e 174	0.0 (0.0)
174	50.0 to 120.0 Percent of m/e 95	75.3
175	4.0 to 9.0 Percent of m/e 174	5.5 (7.3)
176	93.0 to 101.0 Percent of m/e 174	73.2 (97.2)
177	5.0 to 9.0 Percent of m/e 176	4.9 (6.7)

Data File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-01.D\TO15_MasterMethod_(v1)_CHC.
Injection Date: 18-Feb-2020 15:22:30
Spectrum: Tune Spec :Average 27-29(4.73-4.74) Bgrd 16(4.67)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 113

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5823	70.00	3720	110.00	257	146.00	520
37.00	31928	71.00	224	111.00	397	147.00	331
38.00	28400	72.00	2447	112.00	298	148.00	941
39.00	10552	73.00	20536	113.00	370	149.00	263
40.00	380	74.00	78824	115.00	498	150.00	378
43.00	157	75.00	235264	116.00	1505	152.00	195
44.00	3014	76.00	19920	117.00	2520	153.00	282
45.00	5342	77.00	2332	118.00	1565	154.00	234
46.00	399	78.00	1808	119.00	2115	155.00	899
47.00	7524	79.00	13662	123.00	55	156.00	53
48.00	3214	80.00	4028	124.00	244	157.00	661
49.00	23800	81.00	13760	125.00	139	159.00	439
50.00	115608	82.00	2934	126.00	109	161.00	438
51.00	34544	83.00	408	127.00	214	171.00	194
52.00	1548	86.00	382	128.00	1390	172.00	271
54.00	120	87.00	16672	129.00	706	174.00	313088
55.00	1493	88.00	15166	130.00	1453	175.00	22792
56.00	7866	91.00	1553	131.00	551	176.00	304448
57.00	14774	92.00	11907	133.00	6	177.00	20352
58.00	554	93.00	16968	135.00	882	178.00	589
59.00	53	94.00	47512	136.00	52	191.00	114
60.00	4572	95.00	415680	137.00	719	193.00	22
61.00	23408	96.00	27280	139.00	63	208.00	9
62.00	23856	97.00	854	140.00	329	209.00	112
63.00	17616	103.00	272	141.00	3937	232.00	62
64.00	1676	104.00	1910	142.00	577	253.00	26
67.00	1370	105.00	603	143.00	4204		
68.00	51376	106.00	1890	144.00	214		
69.00	50200	107.00	400	145.00	323		

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-01.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 20-Feb-2020 10:33:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 200.0 mL Dil. Factor: 1.0000
 Sample Info: 200-0040108-001
 Misc. Info.: bfb
 Operator ID: ggg Instrument ID: CHC.i
 Method: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Feb-2020 16:13:54 Calib Date: 19-Feb-2020 02:47:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0311

First Level Reviewer: bunmaa

Date: 21-Feb-2020 11:19:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags

9 BFB

* 40 Chlorobromomethane	128	9.996				20.0	ND
* 50 1,4-Difluorobenzene	114	11.971				20.0	ND
* 74 Chlorobenzene-d5	117	18.007				20.0	ND

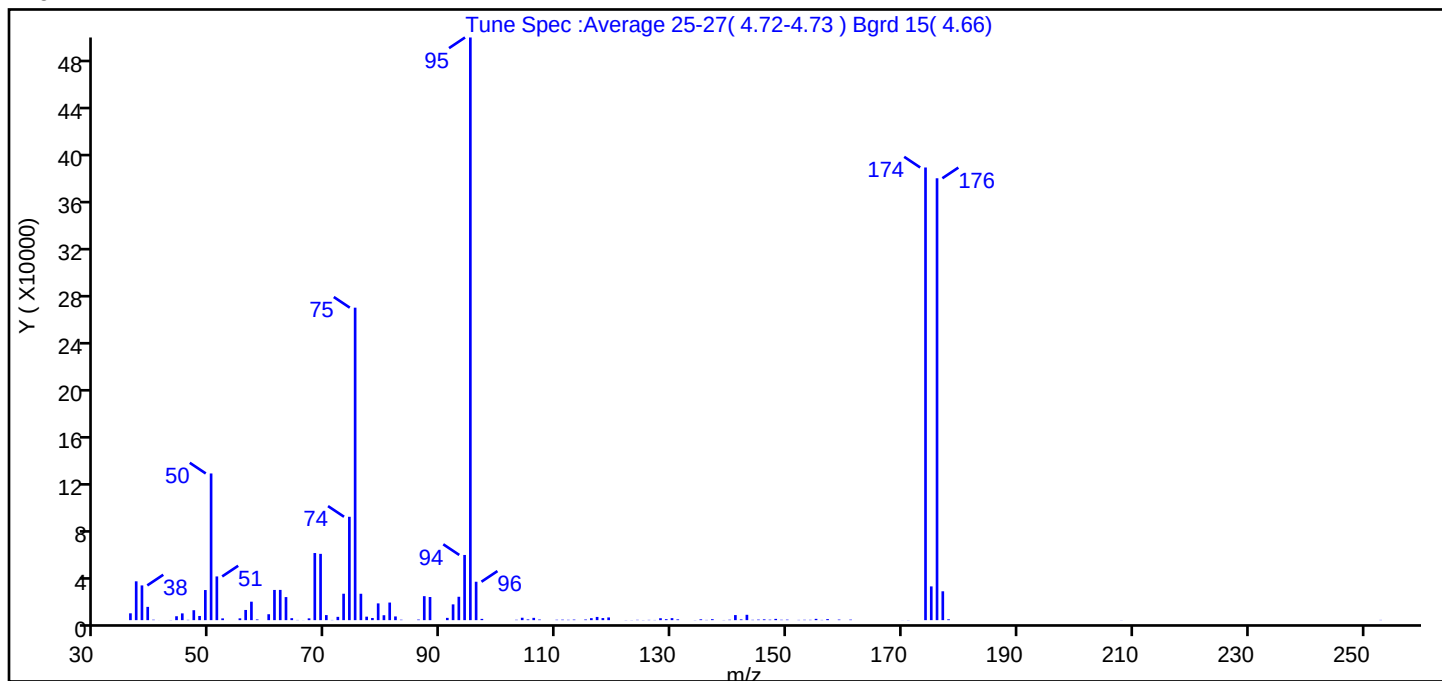
Reagents:

ATTO15CISs_00010 Amount Added: 40.00 Units: mL Run Reagent

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-01.D
Injection Date: 20-Feb-2020 10:33:30 Instrument ID: CHC.i
Lims ID: bfb
Client ID:
Operator ID: ggg ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

9 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	25.2
75	30.0 to 66.0 Percent of m/e 95	53.6
96	5.0 to 9.0 Percent of m/e 95	6.6
173	Less than 2.0 Percent of m/e 174	0.0 (0.0)
174	50.0 to 120.0 Percent of m/e 95	77.7
175	4.0 to 9.0 Percent of m/e 174	5.8 (7.5)
176	93.0 to 101.0 Percent of m/e 174	75.8 (97.6)
177	5.0 to 9.0 Percent of m/e 176	5.0 (6.5)

Data File: \\chromna\Burlington\ChromData\CHC.\20200220-40108.b\40108-01.D\TO15_MasterMethod_(v1)_CHC.
Injection Date: 20-Feb-2020 10:33:30
Spectrum: Tune Spec :Average 25-27(4.72-4.73) Bgrd 15(4.66)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 112

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5762	67.00	1499	104.00	2032	140.00	363
37.00	32744	68.00	56592	105.00	611	141.00	4267
38.00	29288	69.00	55896	106.00	1934	142.00	633
39.00	11193	70.00	4262	107.00	506	143.00	4506
40.00	357	71.00	163	110.00	336	144.00	276
41.00	33	72.00	2783	111.00	417	145.00	464
42.00	20	73.00	22280	112.00	290	146.00	679
43.00	131	74.00	87168	113.00	469	147.00	404
44.00	3292	75.00	263488	115.00	548	148.00	1071
45.00	5703	76.00	22248	116.00	1663	149.00	322
46.00	255	77.00	2936	117.00	2708	150.00	428
47.00	8369	78.00	1815	118.00	1758	152.00	211
48.00	3516	79.00	14135	119.00	2286	153.00	307
49.00	25376	80.00	4138	122.00	121	154.00	272
50.00	123688	81.00	14832	123.00	108	155.00	1094
51.00	36856	82.00	3128	124.00	272	156.00	190
52.00	1486	83.00	346	125.00	123	157.00	857
55.00	1514	86.00	490	126.00	233	159.00	487
56.00	8593	87.00	20216	127.00	161	161.00	432
57.00	15566	88.00	19512	128.00	1615	170.00	51
58.00	595	91.00	1919	129.00	819	171.00	119
60.00	4987	92.00	13304	130.00	1696	174.00	381696
61.00	25472	93.00	19712	131.00	652	175.00	28456
62.00	25496	94.00	54960	134.00	110	176.00	372608
63.00	19448	95.00	491328	135.00	704	177.00	24336
64.00	1657	96.00	32384	136.00	197	178.00	688
65.00	171	97.00	1064	137.00	803	208.00	83
66.00	56	103.00	315	139.00	133	253.00	199

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-01.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 21-Jan-2020 16:07:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 200.0 mL Dil. Factor: 1.0000
 Sample Info: 200-0039662-001
 Misc. Info.: bfb
 Operator ID: ggg Instrument ID: CHX.i
 Method: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 23-Jan-2020 09:52:18 Calib Date: 22-Jan-2020 04:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-16.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0318

First Level Reviewer: guazzonig

Date: 21-Jan-2020 16:43:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags

9 BFB

* 40 Chlorobromomethane	128	11.466					10.0	ND
* 50 1,4-Difluorobenzene	114	13.215					10.0	ND
* 74 Chlorobenzene-d5	117	18.795					10.0	ND

Reagents:

ATTO15XISs_00002 Amount Added: 20.00 Units: mL Run Reagent

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-01.D

Injection Date: 21-Jan-2020 16:07:30

Instrument ID: CHX.i

Lims ID: bfb

Client ID:

Operator ID: ggg

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 200.0 mL

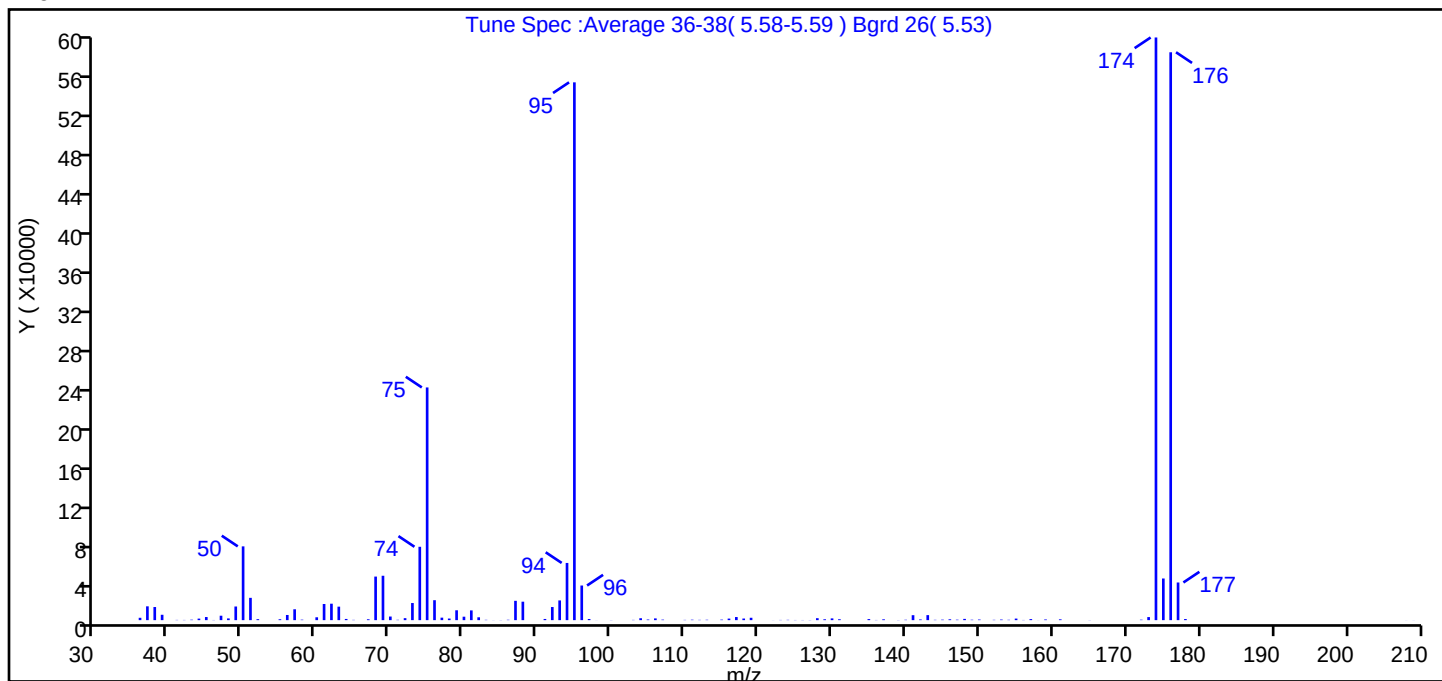
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Tune Method: BFB Method TO-15

9 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	13.7
75	30.0 to 66.0 Percent of m/e 95	43.3
96	5.0 to 9.0 Percent of m/e 95	6.4
173	Less than 2.0 Percent of m/e 174	0.6 (0.5)
174	50.0 to 120.0 Percent of m/e 95	108.3
175	4.0 to 9.0 Percent of m/e 174	7.7 (7.1)
176	93.0 to 101.0 Percent of m/e 174	105.6 (97.5)
177	5.0 to 9.0 Percent of m/e 176	7.0 (6.6)

Data File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-01.D\TO15_MasterMethod_X.m.rslt\sp
Injection Date: 21-Jan-2020 16:07:30
Spectrum: Tune Spec :Average 36-38(5.58-5.59) Bgrd 26(5.53)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 115

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2412	70.00	3703	104.00	1955	142.00	693
37.00	14169	71.00	341	105.00	631	143.00	5148
38.00	13455	72.00	2032	106.00	1787	144.00	326
39.00	5507	73.00	17552	107.00	522	145.00	501
41.00	245	74.00	75240	110.00	257	146.00	871
42.00	209	75.00	238656	111.00	464	147.00	465
43.00	464	76.00	20448	112.00	294	148.00	1289
44.00	1568	77.00	2552	113.00	398	149.00	424
45.00	3191	78.00	1643	115.00	535	150.00	621
46.00	171	79.00	10118	116.00	1587	152.00	325
47.00	4538	80.00	3534	117.00	3181	153.00	607
48.00	1770	81.00	9998	118.00	1651	154.00	360
49.00	13995	82.00	2925	119.00	2438	155.00	1597
50.00	75664	83.00	328	122.00	61	156.00	193
51.00	22872	84.00	80	123.00	219	157.00	1065
52.00	983	85.00	119	124.00	322	158.00	53
55.00	916	86.00	392	125.00	176	159.00	691
56.00	5295	87.00	19816	126.00	161	161.00	825
57.00	11148	88.00	18928	127.00	149	165.00	119
58.00	482	91.00	1213	128.00	1999	172.00	460
60.00	2934	92.00	13452	129.00	888	173.00	3139
61.00	16560	93.00	20216	130.00	1795	174.00	597568
62.00	16864	94.00	58656	131.00	916	175.00	42712
63.00	13831	95.00	551552	135.00	1090	176.00	582400
64.00	1222	96.00	35512	136.00	188	177.00	38616
65.00	281	97.00	1170	137.00	841	178.00	1132
67.00	893	98.00	53	139.00	139	208.00	54
68.00	44680	100.00	121	140.00	386	209.00	57
69.00	45520	103.00	264	141.00	5077		

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-01.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 21-Feb-2020 07:20:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 200.0 mL Dil. Factor: 1.0000
 Sample Info: 200-0040114-001
 Misc. Info.: bfb
 Operator ID: ggg Instrument ID: CHX.i
 Method: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 24-Feb-2020 09:42:04 Calib Date: 22-Jan-2020 04:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-16.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0337

First Level Reviewer: puangmaleek

Date: 24-Feb-2020 09:42:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags

9 BFB

* 40 Chlorobromomethane	128	11.466				10.0	ND
* 50 1,4-Difluorobenzene	114	13.220				10.0	ND
* 74 Chlorobenzene-d5	117	18.800				10.0	ND

Reagents:

ATTO15XISs_00002 Amount Added: 20.00 Units: mL Run Reagent

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-01.D

Injection Date: 21-Feb-2020 07:20:30

Instrument ID: CHX.i

Lims ID: bfb

Client ID:

Operator ID: ggg

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 200.0 mL

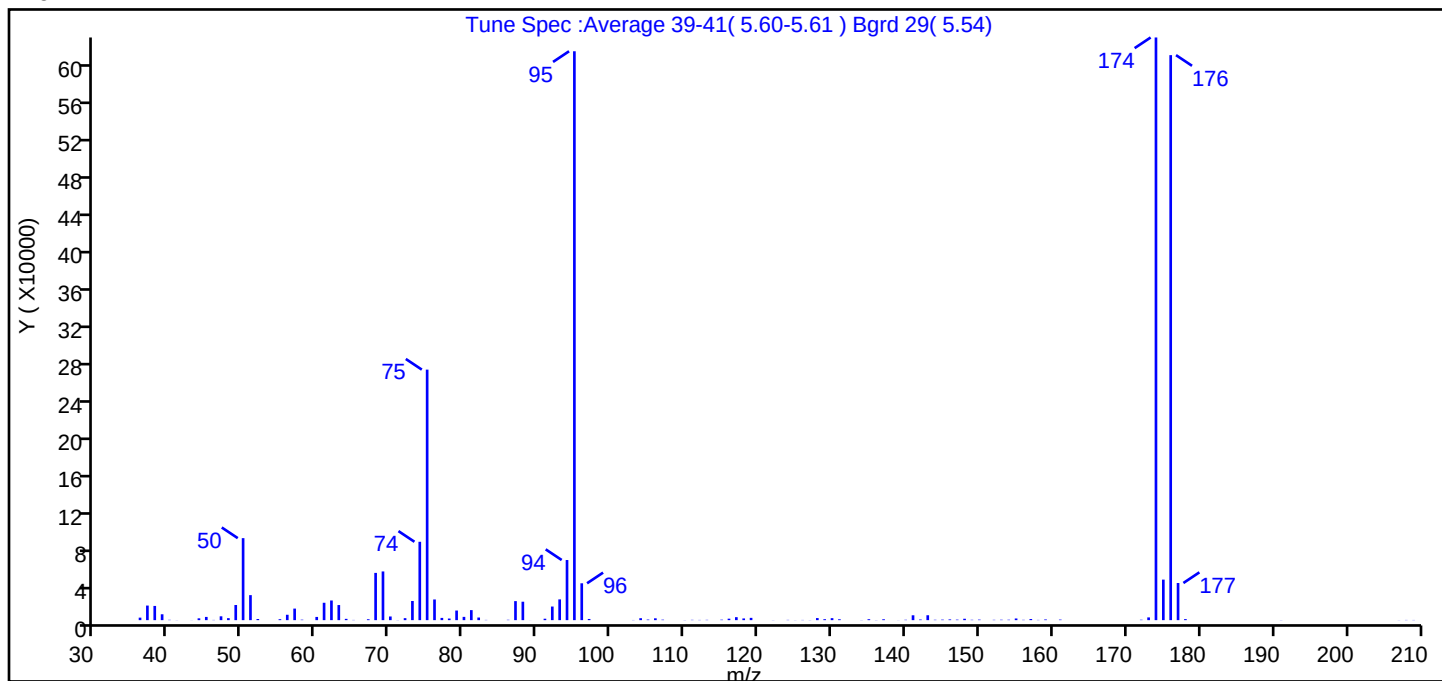
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Tune Method: BFB Method TO-15

9 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	14.4
75	30.0 to 66.0 Percent of m/e 95	44.0
96	5.0 to 9.0 Percent of m/e 95	6.5
173	Less than 2.0 Percent of m/e 174	0.5 (0.5)
174	50.0 to 120.0 Percent of m/e 95	102.4
175	4.0 to 9.0 Percent of m/e 174	7.1 (7.0)
176	93.0 to 101.0 Percent of m/e 174	99.3 (97.0)
177	5.0 to 9.0 Percent of m/e 176	6.5 (6.6)

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-01.D\TO15_MasterMethod_X.m.rslt\sp
Injection Date: 21-Feb-2020 07:20:30
Spectrum: Tune Spec :Average 39-41(5.60-5.61) Bgrd 29(5.54)
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	2687	70.00	3931	107.00	506	145.00	552
37.00	15643	71.00	124	110.00	142	146.00	785
38.00	15245	72.00	2125	111.00	331	147.00	541
39.00	6301	73.00	20528	112.00	235	148.00	1497
40.00	340	74.00	84040	113.00	324	149.00	382
41.00	105	75.00	268672	115.00	495	150.00	574
43.00	78	76.00	22176	116.00	1562	152.00	346
44.00	1943	77.00	2403	117.00	3193	153.00	444
45.00	3458	78.00	1722	118.00	1819	154.00	450
46.00	241	79.00	10302	119.00	2451	155.00	1776
47.00	4107	80.00	3511	122.00	117	156.00	336
48.00	2133	81.00	10750	124.00	286	157.00	1197
49.00	16234	82.00	2801	125.00	105	158.00	249
50.00	87936	83.00	256	126.00	224	159.00	730
51.00	26824	86.00	386	127.00	132	161.00	591
52.00	1210	87.00	20392	128.00	2219	172.00	429
55.00	1007	88.00	19768	129.00	1012	173.00	2933
56.00	5773	89.00	52	130.00	2132	174.00	624896
57.00	12387	91.00	1530	131.00	926	175.00	43464
58.00	491	92.00	14594	134.00	127	176.00	605952
60.00	3444	93.00	22264	135.00	992	177.00	39832
61.00	18640	94.00	64488	136.00	148	178.00	1101
62.00	21080	95.00	610112	137.00	928	191.00	137
63.00	16181	96.00	39528	139.00	83	207.00	111
64.00	1379	97.00	1249	140.00	386	208.00	220
65.00	226	103.00	179	141.00	5208	209.00	201
67.00	952	104.00	2085	142.00	656		
68.00	50680	105.00	622	143.00	5251		
69.00	52232	106.00	1969	144.00	395		

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-152580/4

Matrix: Air Lab File ID: 40108-04.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 02/20/2020 13:23

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.: 152580 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	ND		0.50	0.11
75-45-6	Freon 22	86.47	ND		0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.20	0.035
74-87-3	Chloromethane	50.49	ND		0.50	0.11
106-97-8	n-Butane	58.12	ND		0.50	0.11
75-01-4	Vinyl chloride	62.50	ND		0.060	0.044
106-99-0	1,3-Butadiene	54.09	ND		0.20	0.057
74-83-9	Bromomethane	94.94	ND		0.20	0.051
75-00-3	Chloroethane	64.52	ND		0.50	0.054
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.20	0.052
75-69-4	Trichlorofluoromethane	137.37	ND		0.20	0.060
76-13-1	Freon TF	187.38	ND		0.20	0.038
75-35-4	1,1-Dichloroethene	96.94	ND		0.20	0.039
67-64-1	Acetone	58.08	ND		5.0	1.2
67-63-0	Isopropyl alcohol	60.10	ND		5.0	0.48
75-15-0	Carbon disulfide	76.14	ND		0.50	0.074
107-05-1	3-Chloropropene	76.53	ND		0.50	0.064
75-09-2	Methylene Chloride	84.93	ND		0.50	0.27
75-65-0	tert-Butyl alcohol	74.12	ND		5.0	0.038
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.20	0.033
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.20	0.042
110-54-3	n-Hexane	86.17	ND		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	ND		0.20	0.041
78-93-3	Methyl Ethyl Ketone	72.11	ND		0.50	0.072
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.20	0.045
540-59-0	1,2-Dichloroethene, Total	96.94	ND		0.40	0.042
67-66-3	Chloroform	119.38	ND		0.20	0.032
109-99-9	Tetrahydrofuran	72.11	ND		5.0	0.066
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.20	0.036
110-82-7	Cyclohexane	84.16	ND		0.20	0.046
56-23-5	Carbon tetrachloride	153.81	ND		0.060	0.024
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.20	0.041
71-43-2	Benzene	78.11	ND		0.20	0.067
107-06-2	1,2-Dichloroethane	98.96	ND		0.20	0.032

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-152580/4

Matrix: Air Lab File ID: 40108-04.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 02/20/2020 13:23

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.: 152580 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	ND		0.20	0.056
79-01-6	Trichloroethene	131.39	ND		0.060	0.035
80-62-6	Methyl methacrylate	100.12	ND		0.50	0.033
78-87-5	1,2-Dichloropropane	112.99	ND		0.20	0.033
123-91-1	1,4-Dioxane	88.11	ND		5.0	0.084
75-27-4	Bromodichloromethane	163.83	ND		0.20	0.035
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.20	0.032
108-10-1	methyl isobutyl ketone	100.16	ND		0.50	0.036
108-88-3	Toluene	92.14	ND		0.20	0.11
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.20	0.039
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.20	0.036
127-18-4	Tetrachloroethene	165.83	ND		0.20	0.033
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		0.50	0.048
124-48-1	Dibromochloromethane	208.29	ND		0.20	0.036
106-93-4	1,2-Dibromoethane	187.87	ND		0.20	0.049
108-90-7	Chlorobenzene	112.56	ND		0.20	0.056
100-41-4	Ethylbenzene	106.17	ND		0.20	0.063
179601-23-1	m,p-Xylene	106.17	ND		0.50	0.10
95-47-6	Xylene, o-	106.17	ND		0.20	0.048
1330-20-7	Xylene (total)	106.17	ND		0.70	0.048
100-42-5	Styrene	104.15	ND		0.20	0.040
75-25-2	Bromoform	252.75	ND		0.20	0.048
98-82-8	Cumene	120.19	ND		0.20	0.035
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.20	0.042
103-65-1	n-Propylbenzene	120.19	ND		0.20	0.039
622-96-8	4-Ethyltoluene	120.20	ND		0.20	0.041
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.20	0.039
95-49-8	2-Chlorotoluene	126.59	ND		0.20	0.042
98-06-6	tert-Butylbenzene	134.22	ND		0.20	0.035
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.20	0.044
135-98-8	sec-Butylbenzene	134.22	ND		0.20	0.035
99-87-6	4-Isopropyltoluene	134.22	ND		0.20	0.039
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.20	0.11
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.20	0.12

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 200-152580/4
Matrix: Air Lab File ID: 40108-04.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 02/20/2020 13:23
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.: 152580 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		0.20	0.085
104-51-8	n-Butylbenzene	134.22	ND		0.20	0.039
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.20	0.097
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.50	0.22
87-68-3	Hexachlorobutadiene	260.76	ND		0.20	0.076
91-20-3	Naphthalene	128.17	ND		0.50	0.17

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-152580/4

Matrix: Air Lab File ID: 40108-04.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 02/20/2020 13:23

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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	ND		2.5	0.54
75-45-6	Freon 22	86.47	ND		1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	0.24
74-87-3	Chloromethane	50.49	ND		1.0	0.23
106-97-8	n-Butane	58.12	ND		1.2	0.26
75-01-4	Vinyl chloride	62.50	ND		0.15	0.11
106-99-0	1,3-Butadiene	54.09	ND		0.44	0.13
74-83-9	Bromomethane	94.94	ND		0.78	0.20
75-00-3	Chloroethane	64.52	ND		1.3	0.14
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.87	0.23
75-69-4	Trichlorofluoromethane	137.37	ND		1.1	0.34
76-13-1	Freon TF	187.38	ND		1.5	0.29
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	0.15
67-64-1	Acetone	58.08	ND		12	2.9
67-63-0	Isopropyl alcohol	60.10	ND		12	1.2
75-15-0	Carbon disulfide	76.14	ND		1.6	0.23
107-05-1	3-Chloropropene	76.53	ND		1.6	0.20
75-09-2	Methylene Chloride	84.93	ND		1.7	0.94
75-65-0	tert-Butyl alcohol	74.12	ND		15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.72	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.79	0.17
110-54-3	n-Hexane	86.17	ND		0.70	0.70
75-34-3	1,1-Dichloroethane	98.96	ND		0.81	0.17
78-93-3	Methyl Ethyl Ketone	72.11	ND		1.5	0.21
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.79	0.18
540-59-0	1,2-Dichloroethene, Total	96.94	ND		1.6	0.17
67-66-3	Chloroform	119.38	ND		0.98	0.16
109-99-9	Tetrahydrofuran	72.11	ND		15	0.19
71-55-6	1,1,1-Trichloroethane	133.41	ND		1.1	0.20
110-82-7	Cyclohexane	84.16	ND		0.69	0.16
56-23-5	Carbon tetrachloride	153.81	ND		0.38	0.15
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	0.19
71-43-2	Benzene	78.11	ND		0.64	0.21
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	0.13

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-152580/4

Matrix: Air Lab File ID: 40108-04.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 02/20/2020 13:23

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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	ND		0.82	0.23
79-01-6	Trichloroethene	131.39	ND		0.32	0.19
80-62-6	Methyl methacrylate	100.12	ND		2.0	0.14
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.15
123-91-1	1,4-Dioxane	88.11	ND		18	0.30
75-27-4	Bromodichloromethane	163.83	ND		1.3	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	0.15
108-10-1	methyl isobutyl ketone	100.16	ND		2.0	0.15
108-88-3	Toluene	92.14	ND		0.75	0.41
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	0.18
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	0.20
127-18-4	Tetrachloroethene	165.83	ND		1.4	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		2.0	0.20
124-48-1	Dibromochloromethane	208.29	ND		1.7	0.31
106-93-4	1,2-Dibromoethane	187.87	ND		1.5	0.38
108-90-7	Chlorobenzene	112.56	ND		0.92	0.26
100-41-4	Ethylbenzene	106.17	ND		0.87	0.27
179601-23-1	m,p-Xylene	106.17	ND		2.2	0.43
95-47-6	Xylene, o-	106.17	ND		0.87	0.21
1330-20-7	Xylene (total)	106.17	ND		3.0	0.21
100-42-5	Styrene	104.15	ND		0.85	0.17
75-25-2	Bromoform	252.75	ND		2.1	0.50
98-82-8	Cumene	120.19	ND		0.98	0.17
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	0.29
103-65-1	n-Propylbenzene	120.19	ND		0.98	0.19
622-96-8	4-Ethyltoluene	120.20	ND		0.98	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.98	0.19
95-49-8	2-Chlorotoluene	126.59	ND		1.0	0.22
98-06-6	tert-Butylbenzene	134.22	ND		1.1	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.98	0.22
135-98-8	sec-Butylbenzene	134.22	ND		1.1	0.19
99-87-6	4-Isopropyltoluene	134.22	ND		1.1	0.21
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.2	0.66
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.2	0.72

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-152580/4
 Matrix: Air Lab File ID: 40108-04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 02/20/2020 13:23
 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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		1.0	0.44
104-51-8	n-Butylbenzene	134.22	ND		1.1	0.21
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	0.58
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3.7	1.6
87-68-3	Hexachlorobutadiene	260.76	ND		2.1	0.81
91-20-3	Naphthalene	128.17	ND		2.6	0.89

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-04.D

Lims ID: MB

Client ID:

Sample Type: MB

Inject. Date: 20-Feb-2020 13:23:30

ALS Bottle#:

4

Worklist Smp#:

4

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Sample Info: 200-0040108-004

Operator ID: ggg

Instrument ID:

CHC.i

Method: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\TO15_MasterMethod_(v1)_CHC.i.m

Limit Group: AI_TO15_ICAL

Last Update: 21-Feb-2020 16:13:58

Calib Date:

19-Feb-2020 02:47:30

Integrator: RTE

ID Type:

Deconvolution ID

Quant Method: Internal Standard

Quant By:

Initial Calibration

Last ICal File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-13.D

Column 1 : RTX-624 (0.32 mm)

Det: MS SCAN

Process Host: CTX0311

First Level Reviewer: bunmaa

Date:

21-Feb-2020 11:27:55

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		2.946					ND	
2 Dichlorodifluoromethane	85		3.010					ND	
3 Chlorodifluoromethane	51		3.053					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.255					ND	
5 Chloromethane	50		3.373					ND	
6 Butane	43		3.570					ND	
7 Vinyl chloride	62		3.602					ND	
8 Butadiene	54		3.677					ND	
10 Bromomethane	94		4.307					ND	
11 Chloroethane	64		4.531					ND	
12 2-Methylbutane	43		4.627					ND	
13 Vinyl bromide	106		4.910					ND	
14 Trichlorofluoromethane	101		5.022					ND	
16 Pentane	43		5.171					ND	
17 Ethanol	45		5.598					ND	
18 Ethyl ether	59		5.678					ND	
19 Acrolein	56		6.004					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		6.084					ND	
21 1,1-Dichloroethene	96		6.100					ND	
22 Acetone	43		6.319					ND	
23 Carbon disulfide	76		6.474					ND	
24 Isopropyl alcohol	45		6.666					ND	
25 3-Chloro-1-propene	41		6.869					ND	
26 Acetonitrile	41		6.949					ND	
27 Methylene Chloride	49		7.151					ND	
28 2-Methyl-2-propanol	59		7.434					ND	
29 Methyl tert-butyl ether	73		7.600					ND	
31 trans-1,2-Dichloroethene	61		7.610					ND	
32 Acrylonitrile	53		7.706					ND	
33 Hexane	57		8.027					ND	
34 1,1-Dichloroethane	63		8.454					ND	
35 Vinyl acetate	43		8.550					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 cis-1,2-Dichloroethene	96		9.553					ND	
38 2-Butanone (MEK)	72		9.601					ND	
39 Ethyl acetate	88		9.670					ND	
* 40 Chlorobromomethane	128	9.996	9.996	0.000	94	264932	20.0	20.0	
41 Tetrahydrofuran	42		10.044					ND	
42 Chloroform	83		10.151					ND	
S 30 1,2-Dichloroethene, Total	61		10.200					ND	
43 Cyclohexane	84		10.418					ND	
44 1,1,1-Trichloroethane	97		10.418					ND	
45 Carbon tetrachloride	117		10.684					ND	
47 Benzene	78		11.122					ND	
46 Isooctane	57		11.149					ND	
48 1,2-Dichloroethane	62		11.282					ND	
49 n-Heptane	43		11.554					ND	
* 50 1,4-Difluorobenzene	114	11.971	11.971	0.000	98	1425738	20.0	20.0	
52 n-Butanol	56		12.440					ND	
53 Trichloroethene	95		12.440					ND	
A 51 GRO	1	12.846	(4.617-21.075)		0	5984332		0	
54 1,2-Dichloropropane	63		12.958					ND	
55 Methyl methacrylate	69		13.182					ND	
57 Dibromomethane	174		13.219					ND	
56 1,4-Dioxane	88		13.230					ND	
58 Dichlorobromomethane	83		13.540					ND	
60 cis-1,3-Dichloropropene	75		14.495					ND	
A 59 TVOC as Toluene	1	14.540	(2.936-26.145)		0	6050538		0	
61 4-Methyl-2-pentanone (MIBK)	43		14.799					ND	
65 Toluene	92		15.098					ND	
64 n-Octane	43		15.237					ND	
66 trans-1,3-Dichloropropene	75		15.696					ND	
67 1,1,2-Trichloroethane	83		16.064					ND	
68 Tetrachloroethene	166		16.213					ND	
69 2-Hexanone	43		16.539					ND	
71 Chlorodibromomethane	129		16.833					ND	
72 Ethylene Dibromide	107		17.083					ND	
* 74 Chlorobenzene-d5	117	18.007	18.007	0.000	93	1397958	20.0	20.0	
75 Chlorobenzene	112		18.065					ND	MU
76 Ethylbenzene	91		18.236					ND	U
77 n-Nonane	57		18.428					ND	
78 m-Xylene & p-Xylene	106		18.487					ND	
79 o-Xylene	106		19.325					ND	
80 Styrene	104		19.373					ND	
81 Bromoform	173		19.800					ND	
82 Isopropylbenzene	105		20.056					ND	
S 73 Xylenes, Total	106		20.100					ND	
84 1,1,2,2-Tetrachloroethane	83		20.739					ND	
86 1,2,3-Trichloropropane	75		20.825					ND	
85 N-Propylbenzene	91		20.830					ND	
89 2-Chlorotoluene	91		21.027					ND	
88 4-Ethyltoluene	105		21.027					ND	
87 n-Decane	57		21.065					ND	
90 1,3,5-Trimethylbenzene	105		21.145					ND	
91 Alpha Methyl Styrene	118		21.524					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
92 tert-Butylbenzene	119		21.652					ND	
93 1,2,4-Trimethylbenzene	105		21.753					ND	
94 sec-Butylbenzene	105		21.993					ND	
95 4-Isopropyltoluene	119		22.207					ND	
96 1,3-Dichlorobenzene	146	22.228	22.217	0.011	81	647		0.0101	
97 1,4-Dichlorobenzene	146	22.362	22.362	0.000	89	1008		0.0158	
98 Benzyl chloride	91		22.548					ND	MU
100 n-Butylbenzene	91		22.783					ND	
99 Undecane	57		22.842					ND	
101 1,2-Dichlorobenzene	146	22.874	22.879	-0.005	85	684		0.0112	M
102 Dodecane	57		24.358					ND	
103 1,2,4-Trichlorobenzene	180	25.260	25.254	0.006	94	2056		0.0388	
104 Hexachlorobutadiene	225		25.457					ND	
105 Naphthalene	128	25.692	25.686	0.006	97	5205		0.0417	
106 1,2,3-Trichlorobenzene	180	26.135	26.135	0.000	93	1917		0.0379	
118 Chlorotrifluoroethene TIC	1		0.000					ND	
119 Difluoroethane TIC	1		0.000					ND	
120 Total Alkanes TIC	1		0.000					ND	
121 Freon 115 TIC	1		0.000					ND	
122 1,1,1-Trifluoro-2,2-dichlo	1		0.000					ND	
123 Methylcyclohexane	83		0.000					ND	

QC Flag Legend

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-04.D

Injection Date: 20-Feb-2020 13:23:30

Instrument ID: CHC.i

Operator ID: ggg

Lims ID: MB

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

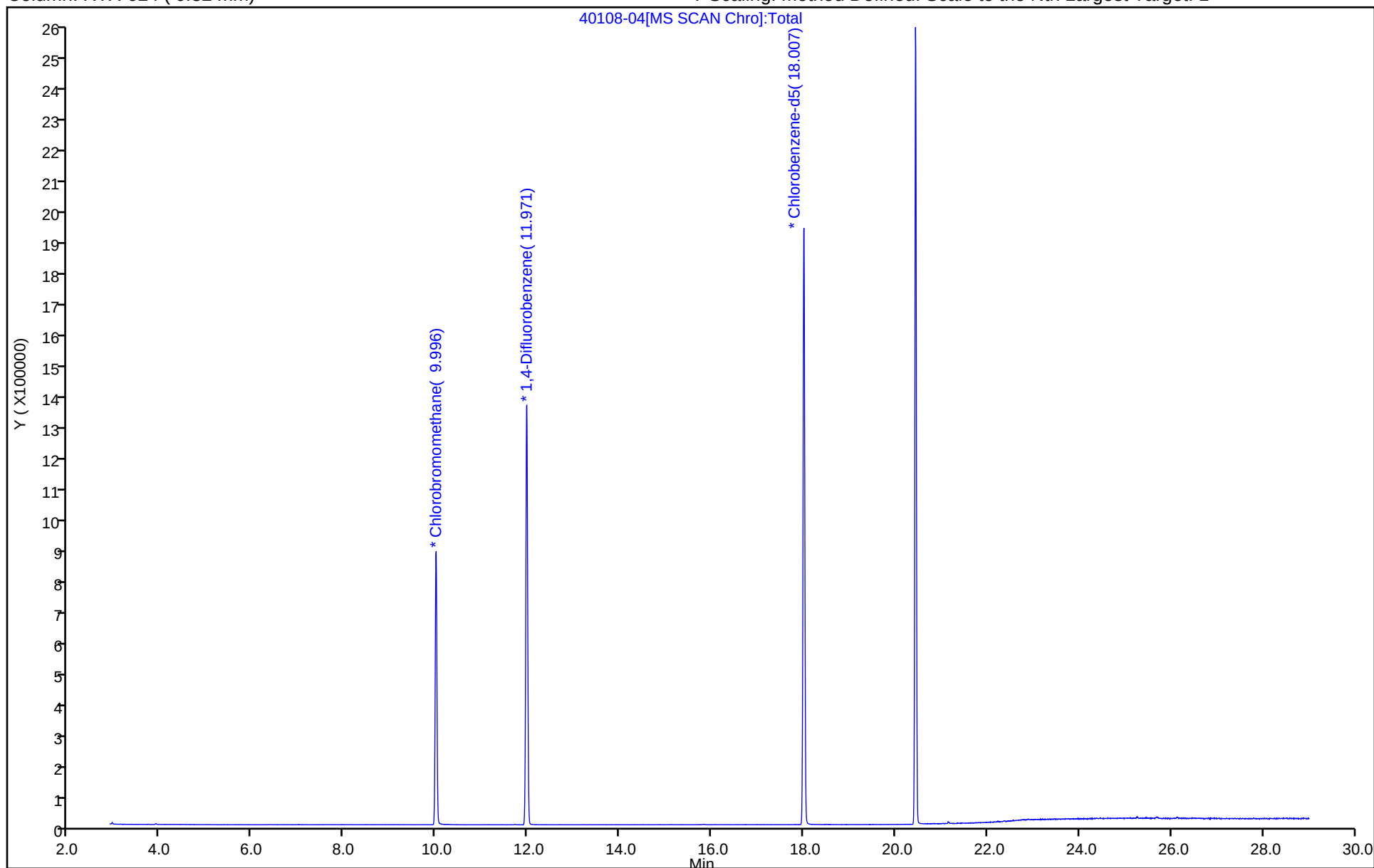
ALS Bottle#: 4

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

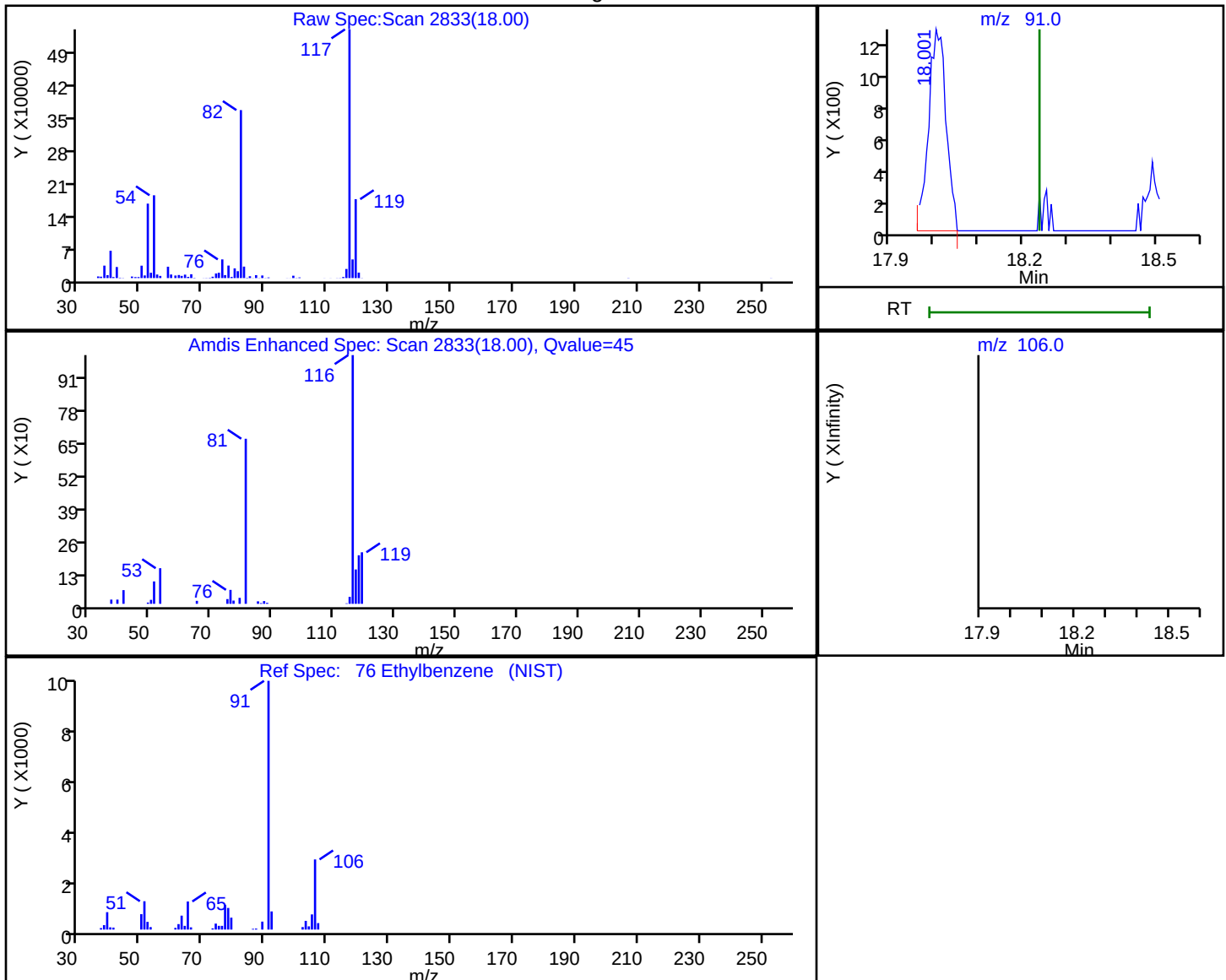


Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-04.D
Injection Date: 20-Feb-2020 13:23:30 Instrument ID: CHC.i
Lims ID: MB
Client ID:
Operator ID: ggg ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

76 Ethylbenzene, CAS: 100-41-4

Processing Results



RT	Mass	Response	Amount
18.00	91.00	3553	0.031346
18.24	106.00	0	

Reviewer: bunmaa, 21-Feb-2020 11:25:43

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-04.D

Injection Date: 20-Feb-2020 13:23:30

Instrument ID: CHC.i

Lims ID: MB

Client ID:

Operator ID: ggg

ALS Bottle#:

4

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

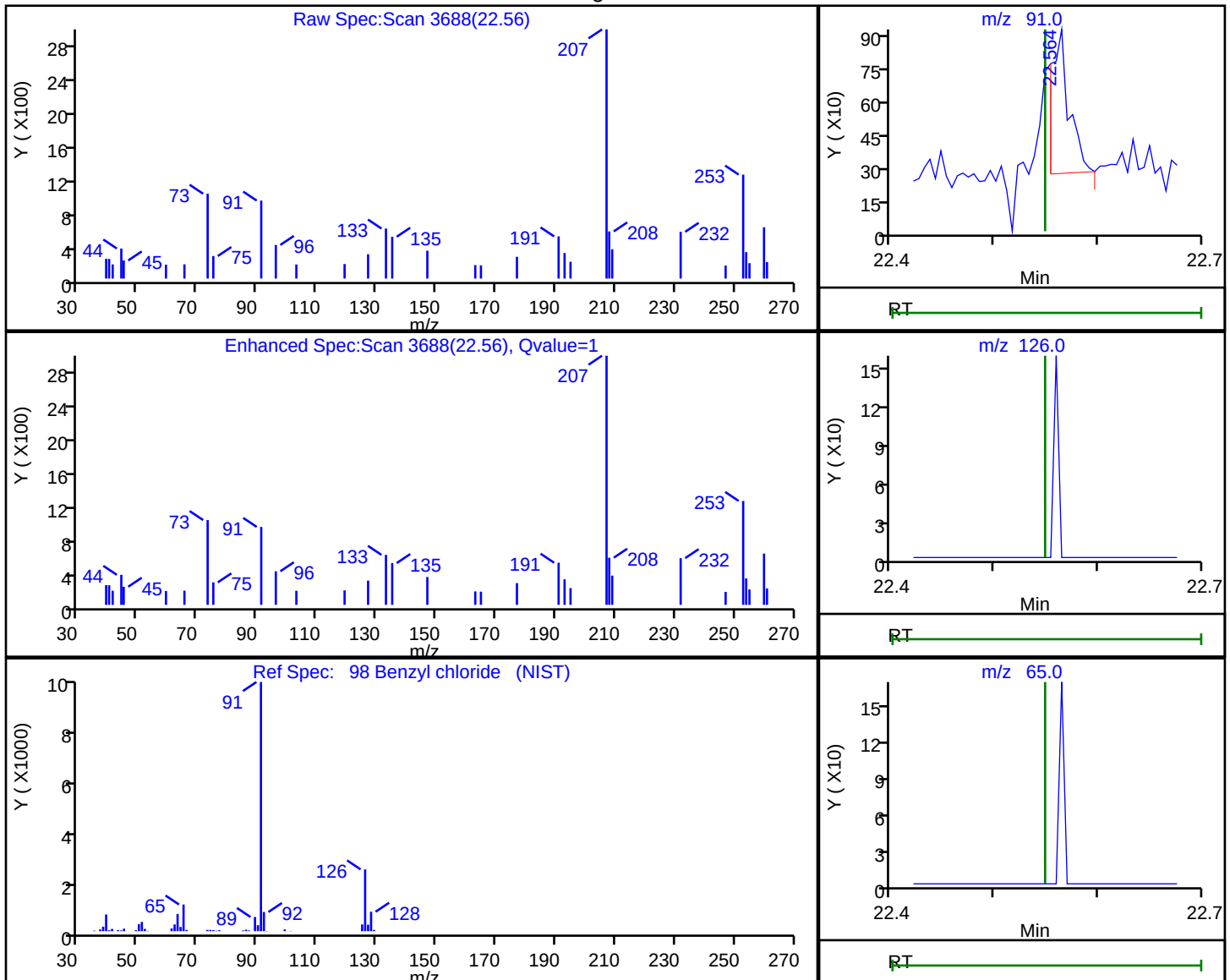
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

98 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
22.56	91.00	775	0.007620
22.55	126.00	0	
22.55	65.00	0	

Reviewer: bunmaa, 21-Feb-2020 11:27:13

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-04.D

Injection Date: 20-Feb-2020 13:23:30

Instrument ID: CHC.i

Lims ID: MB

Client ID:

Operator ID: ggg

ALS Bottle#:

4

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

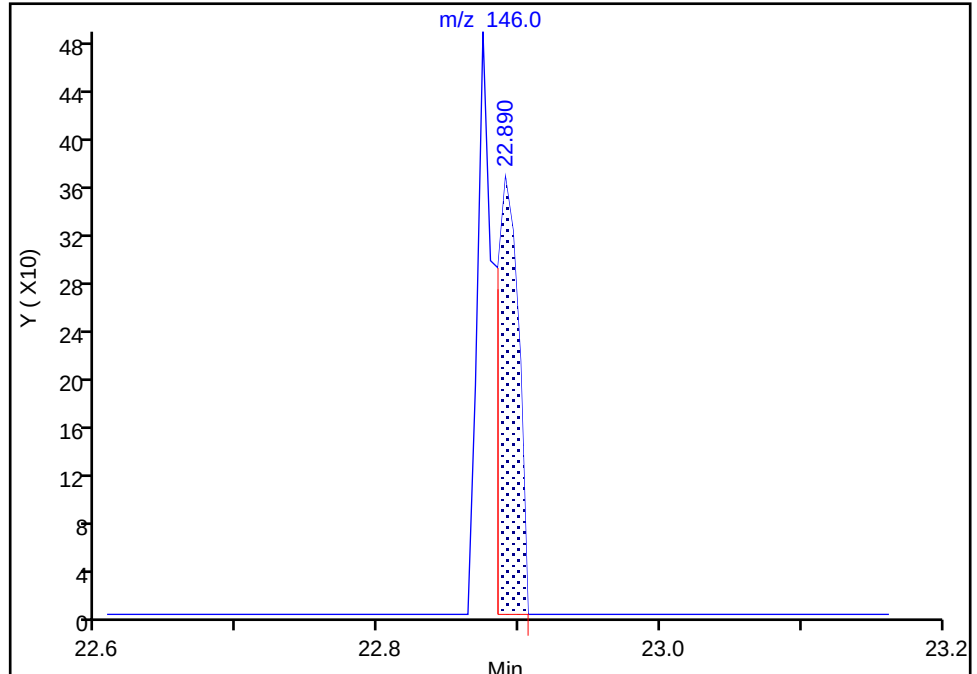
Detector: MS SCAN

101 1,2-Dichlorobenzene, CAS: 95-50-1

Signal: 1

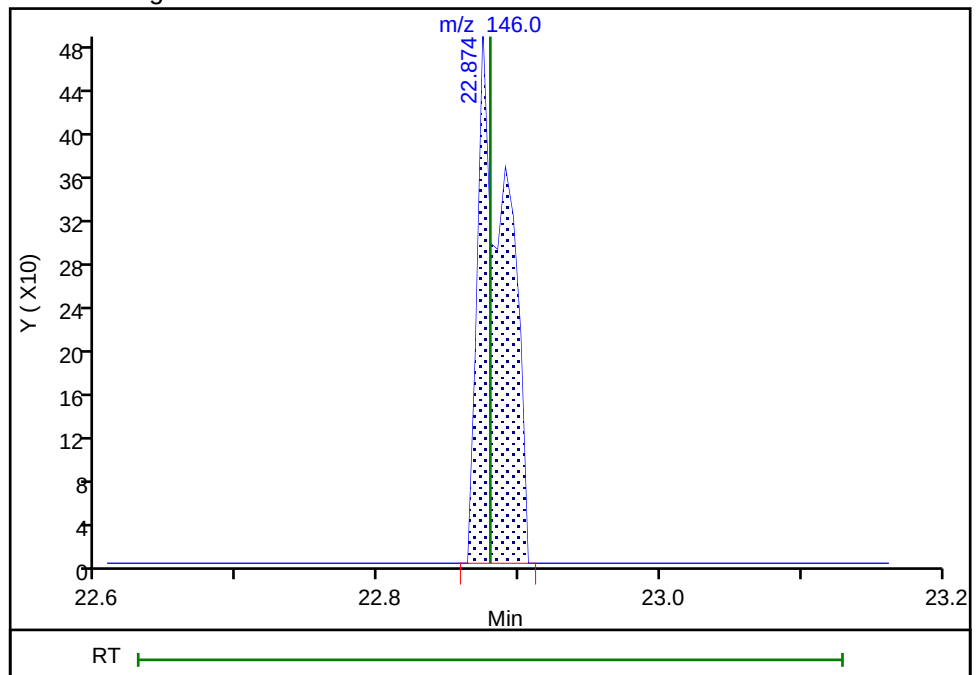
RT: 22.89
Area: 376
Amount: 0.006152
Amount Units: ppb v/v

Processing Integration Results



RT: 22.87
Area: 684
Amount: 0.011191
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 21-Feb-2020 11:27:32

Audit Action: Manually Integrated

Audit Reason: Assign Peak

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-152597/4

Matrix: Air Lab File ID: 40114-04.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 09:50

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.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	ND		0.50	0.11
75-45-6	Freon 22	86.47	ND		0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.20	0.035
74-87-3	Chloromethane	50.49	ND		0.50	0.11
106-97-8	n-Butane	58.12	ND		0.50	0.11
75-01-4	Vinyl chloride	62.50	ND		0.060	0.044
106-99-0	1,3-Butadiene	54.09	ND		0.20	0.057
74-83-9	Bromomethane	94.94	ND		0.20	0.051
75-00-3	Chloroethane	64.52	ND		0.50	0.054
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.20	0.052
75-69-4	Trichlorofluoromethane	137.37	ND		0.20	0.060
76-13-1	Freon TF	187.38	ND		0.20	0.038
75-35-4	1,1-Dichloroethene	96.94	ND		0.20	0.039
67-64-1	Acetone	58.08	ND		5.0	1.2
67-63-0	Isopropyl alcohol	60.10	ND		5.0	0.48
75-15-0	Carbon disulfide	76.14	ND		0.50	0.074
107-05-1	3-Chloropropene	76.53	ND		0.50	0.064
75-09-2	Methylene Chloride	84.93	ND		0.50	0.27
75-65-0	tert-Butyl alcohol	74.12	ND		5.0	0.038
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.20	0.033
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.20	0.042
110-54-3	n-Hexane	86.17	ND		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	ND		0.20	0.041
78-93-3	Methyl Ethyl Ketone	72.11	ND		0.50	0.072
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.20	0.045
540-59-0	1,2-Dichloroethene, Total	96.94	ND		0.40	0.042
67-66-3	Chloroform	119.38	ND		0.20	0.032
109-99-9	Tetrahydrofuran	72.11	ND		5.0	0.066
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.20	0.036
110-82-7	Cyclohexane	84.16	ND		0.20	0.046
56-23-5	Carbon tetrachloride	153.81	ND		0.060	0.024
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.20	0.041
71-43-2	Benzene	78.11	ND		0.20	0.067
107-06-2	1,2-Dichloroethane	98.96	ND		0.20	0.032

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-152597/4

Matrix: Air Lab File ID: 40114-04.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 09:50

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.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	ND		0.20	0.056
79-01-6	Trichloroethene	131.39	ND		0.060	0.035
80-62-6	Methyl methacrylate	100.12	ND		0.50	0.033
78-87-5	1,2-Dichloropropane	112.99	ND		0.20	0.033
123-91-1	1,4-Dioxane	88.11	0.252	J	5.0	0.084
75-27-4	Bromodichloromethane	163.83	ND		0.20	0.035
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.20	0.032
108-10-1	methyl isobutyl ketone	100.16	ND		0.50	0.036
108-88-3	Toluene	92.14	ND		0.20	0.11
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.20	0.039
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.20	0.036
127-18-4	Tetrachloroethene	165.83	ND		0.20	0.033
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		0.50	0.048
124-48-1	Dibromochloromethane	208.29	ND		0.20	0.036
106-93-4	1,2-Dibromoethane	187.87	ND		0.20	0.049
108-90-7	Chlorobenzene	112.56	ND		0.20	0.056
100-41-4	Ethylbenzene	106.17	ND		0.20	0.063
179601-23-1	m,p-Xylene	106.17	ND		0.50	0.10
95-47-6	Xylene, o-	106.17	ND		0.20	0.048
1330-20-7	Xylene (total)	106.17	ND		0.70	0.048
100-42-5	Styrene	104.15	ND		0.20	0.040
75-25-2	Bromoform	252.75	ND		0.20	0.048
98-82-8	Cumene	120.19	ND		0.20	0.035
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.20	0.042
103-65-1	n-Propylbenzene	120.19	ND		0.20	0.039
622-96-8	4-Ethyltoluene	120.20	ND		0.20	0.041
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.20	0.039
95-49-8	2-Chlorotoluene	126.59	ND		0.20	0.042
98-06-6	tert-Butylbenzene	134.22	ND		0.20	0.035
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.20	0.044
135-98-8	sec-Butylbenzene	134.22	ND		0.20	0.035
99-87-6	4-Isopropyltoluene	134.22	ND		0.20	0.039
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.20	0.11
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.20	0.12

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-152597/4
 Matrix: Air Lab File ID: 40114-04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 09:50
 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.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		0.20	0.085
104-51-8	n-Butylbenzene	134.22	ND		0.20	0.039
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.20	0.097
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.50	0.22
87-68-3	Hexachlorobutadiene	260.76	ND		0.20	0.076
91-20-3	Naphthalene	128.17	ND		0.50	0.17

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-152597/4

Matrix: Air Lab File ID: 40114-04.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 09:50

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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	ND		2.5	0.54
75-45-6	Freon 22	86.47	ND		1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	0.24
74-87-3	Chloromethane	50.49	ND		1.0	0.23
106-97-8	n-Butane	58.12	ND		1.2	0.26
75-01-4	Vinyl chloride	62.50	ND		0.15	0.11
106-99-0	1,3-Butadiene	54.09	ND		0.44	0.13
74-83-9	Bromomethane	94.94	ND		0.78	0.20
75-00-3	Chloroethane	64.52	ND		1.3	0.14
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.87	0.23
75-69-4	Trichlorofluoromethane	137.37	ND		1.1	0.34
76-13-1	Freon TF	187.38	ND		1.5	0.29
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	0.15
67-64-1	Acetone	58.08	ND		12	2.9
67-63-0	Isopropyl alcohol	60.10	ND		12	1.2
75-15-0	Carbon disulfide	76.14	ND		1.6	0.23
107-05-1	3-Chloropropene	76.53	ND		1.6	0.20
75-09-2	Methylene Chloride	84.93	ND		1.7	0.94
75-65-0	tert-Butyl alcohol	74.12	ND		15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.72	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.79	0.17
110-54-3	n-Hexane	86.17	ND		0.70	0.70
75-34-3	1,1-Dichloroethane	98.96	ND		0.81	0.17
78-93-3	Methyl Ethyl Ketone	72.11	ND		1.5	0.21
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.79	0.18
540-59-0	1,2-Dichloroethene, Total	96.94	ND		1.6	0.17
67-66-3	Chloroform	119.38	ND		0.98	0.16
109-99-9	Tetrahydrofuran	72.11	ND		15	0.19
71-55-6	1,1,1-Trichloroethane	133.41	ND		1.1	0.20
110-82-7	Cyclohexane	84.16	ND		0.69	0.16
56-23-5	Carbon tetrachloride	153.81	ND		0.38	0.15
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	0.19
71-43-2	Benzene	78.11	ND		0.64	0.21
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	0.13

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-152597/4

Matrix: Air Lab File ID: 40114-04.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 09:50

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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	ND		0.82	0.23
79-01-6	Trichloroethene	131.39	ND		0.32	0.19
80-62-6	Methyl methacrylate	100.12	ND		2.0	0.14
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.15
123-91-1	1,4-Dioxane	88.11	0.909	J	18	0.30
75-27-4	Bromodichloromethane	163.83	ND		1.3	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	0.15
108-10-1	methyl isobutyl ketone	100.16	ND		2.0	0.15
108-88-3	Toluene	92.14	ND		0.75	0.41
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	0.18
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	0.20
127-18-4	Tetrachloroethene	165.83	ND		1.4	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		2.0	0.20
124-48-1	Dibromochloromethane	208.29	ND		1.7	0.31
106-93-4	1,2-Dibromoethane	187.87	ND		1.5	0.38
108-90-7	Chlorobenzene	112.56	ND		0.92	0.26
100-41-4	Ethylbenzene	106.17	ND		0.87	0.27
179601-23-1	m,p-Xylene	106.17	ND		2.2	0.43
95-47-6	Xylene, o-	106.17	ND		0.87	0.21
1330-20-7	Xylene (total)	106.17	ND		3.0	0.21
100-42-5	Styrene	104.15	ND		0.85	0.17
75-25-2	Bromoform	252.75	ND		2.1	0.50
98-82-8	Cumene	120.19	ND		0.98	0.17
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	0.29
103-65-1	n-Propylbenzene	120.19	ND		0.98	0.19
622-96-8	4-Ethyltoluene	120.20	ND		0.98	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.98	0.19
95-49-8	2-Chlorotoluene	126.59	ND		1.0	0.22
98-06-6	tert-Butylbenzene	134.22	ND		1.1	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.98	0.22
135-98-8	sec-Butylbenzene	134.22	ND		1.1	0.19
99-87-6	4-Isopropyltoluene	134.22	ND		1.1	0.21
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.2	0.66
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.2	0.72

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-152597/4
 Matrix: Air Lab File ID: 40114-04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 09:50
 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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		1.0	0.44
104-51-8	n-Butylbenzene	134.22	ND		1.1	0.21
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	0.58
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3.7	1.6
87-68-3	Hexachlorobutadiene	260.76	ND		2.1	0.81
91-20-3	Naphthalene	128.17	ND		2.6	0.89

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-04.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 21-Feb-2020 09:50:30 ALS Bottle#: 4 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0040114-004
 Operator ID: ggg Instrument ID: CHX.i
 Method: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 24-Feb-2020 10:19:24 Calib Date: 22-Jan-2020 04:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-16.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0337

First Level Reviewer: puangmaleek

Date: 24-Feb-2020 10:19:24

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		4.094					ND	
2 Dichlorodifluoromethane	85		4.185					ND	
3 Chlorodifluoromethane	51		4.249					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		4.516					ND	
5 Chloromethane	50		4.704					ND	
6 Butane	43		4.934					ND	
7 Vinyl chloride	62		4.993					ND	
8 Butadiene	54		5.083					ND	
10 Bromomethane	94		5.870					ND	
11 Chloroethane	64		6.121					ND	
12 2-Methylbutane	43		6.191					ND	
13 Vinyl bromide	106		6.539					ND	
14 Trichlorofluoromethane	101		6.630					ND	
16 Pentane	43		6.763					ND	
17 Ethanol	45	7.240	7.240	0.059	97	3047		0.2322	M
18 Ethyl ether	59		7.277					ND	
19 Acrolein	56		7.678					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		7.689					ND	
21 1,1-Dichloroethene	96		7.753					ND	
22 Acetone	43		7.967					ND	
23 Carbon disulfide	76	8.160	8.160	0.011	59	1094		0.0119	7M
24 Isopropyl alcohol	45	8.277	8.218	0.059	98	2851		0.0793	
25 3-Chloro-1-propene	41		8.491					ND	
26 Acetonitrile	41		8.620					ND	
27 Methylene Chloride	49	8.786	8.786	0.011	48	628		0.0233	7M
28 2-Methyl-2-propanol	59		8.941					ND	
29 Methyl tert-butyl ether	73		9.128					ND	
31 trans-1,2-Dichloroethene	61		9.181					ND	
32 Acrylonitrile	53		9.320					ND	
33 Hexane	57		9.518					ND	
S 30 1,2-Dichloroethene, Total	61		9.665					ND	
34 1,1-Dichloroethane	63		10.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43		10.048					ND	
37 cis-1,2-Dichloroethene	96		11.032					ND	
38 2-Butanone (MEK)	72		11.064					ND	
39 Ethyl acetate	88		11.086					ND	
* 40 Chlorobromomethane	128	11.471	11.466	0.005	71	283447	10.0	10.0	
41 Tetrahydrofuran	42		11.471					ND	
42 Chloroform	83		11.578					ND	
43 Cyclohexane	84		11.808					ND	
44 1,1,1-Trichloroethane	97		11.835					ND	
45 Carbon tetrachloride	117		12.059					ND	
46 Isooctane	57		12.423					ND	
47 Benzene	78		12.482					ND	
48 1,2-Dichloroethane	62		12.648					ND	
49 n-Heptane	43		12.766					ND	
* 50 1,4-Difluorobenzene	114	13.221	13.220	0.001	92	1329353	10.0	10.0	
52 n-Butanol	56		13.547					ND	
53 Trichloroethene	95		13.638					ND	
A 51 GRO	1	13.927	(6.181-21.672)		0	3967323		0	
54 1,2-Dichloropropane	63		14.130					ND	
55 Methyl methacrylate	69		14.248					ND	
56 1,4-Dioxane	88	14.344	14.317	0.027	86	5342		0.2522	
57 Dibromomethane	174		14.365					ND	
58 Dichlorobromomethane	83		14.617					ND	
60 cis-1,3-Dichloropropene	75		15.446					ND	
A 59 TVOC as Toluene	92	15.518	(4.084-26.952)		0	4292376		0	
61 4-Methyl-2-pentanone (MIBK)	43		15.692					ND	
65 Toluene	92		15.975					ND	
64 n-Octane	43		16.008					ND	
66 trans-1,3-Dichloropropene	75		16.532					ND	
67 1,1,2-Trichloroethane	83		16.901					ND	
68 Tetrachloroethene	166		16.997					ND	
69 2-Hexanone	43		17.324					ND	
71 Chlorodibromomethane	129		17.650					ND	
72 Ethylene Dibromide	107	17.912	17.917	-0.005	33	697		0.009423	
* 74 Chlorobenzene-d5	117	18.795	18.800	-0.005	83	1210490	10.0	10.0	
75 Chlorobenzene	112	18.854	18.859	-0.005	9	2234		0.0182	
76 Ethylbenzene	91	19.009	18.998	0.011	1	2154		0.0115	
77 n-Nonane	57		19.105					ND	
78 m-Xylene & p-Xylene	106		19.244					ND	
S 73 Xylenes, Total	106		19.600					ND	
79 o-Xylene	106		20.084					ND	
80 Styrene	104		20.138					ND	
81 Bromoform	173		20.576					ND	
82 Isopropylbenzene	105		20.769					ND	
84 1,1,2,2-Tetrachloroethane	83		21.438					ND	
85 N-Propylbenzene	91		21.496					ND	
86 1,2,3-Trichloropropane	75		21.534					ND	
87 n-Decane	57		21.662					ND	
88 4-Ethyltoluene	105		21.684					ND	
89 2-Chlorotoluene	91		21.700					ND	
90 1,3,5-Trimethylbenzene	105		21.791					ND	U
91 Alpha Methyl Styrene	118	22.171	22.165	0.006	1	707		0.007779	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
92 tert-Butylbenzene	119		22.283					ND	
93 1,2,4-Trimethylbenzene	105		22.379					ND	
94 sec-Butylbenzene	105		22.609					ND	
95 4-Isopropyltoluene	119		22.812					ND	
96 1,3-Dichlorobenzene	146	22.855	22.850	0.005	95	5519		0.0405	
97 1,4-Dichlorobenzene	146	22.984	22.984	0.000	93	5852		0.0456	
98 Benzyl chloride	91	23.187	23.182	0.005	97	4336		0.0360	
100 n-Butylbenzene	91	23.390	23.390	0.005	1	2104		0.0114	7Ma
99 Undecane	57		23.401					ND	
101 1,2-Dichlorobenzene	146	23.513	23.513	0.000	95	5576		0.0433	
102 Dodecane	57		24.968					ND	
103 1,2,4-Trichlorobenzene	180	25.996	25.995	0.001	91	6825		0.0832	
104 Hexachlorobutadiene	225		26.172					ND	
105 Naphthalene	128	26.477	26.472	0.005	97	6459		0.0398	
106 1,2,3-Trichlorobenzene	180	26.937	26.942	-0.005	94	4377		0.0522	
122 Total Alkanes TIC	1		0.000					ND	
123 Methylcyclohexane	83		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 24-Feb-2020 10:19:27

Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-04.D

Injection Date: 21-Feb-2020 09:50:30

Instrument ID: CHX.i

Operator ID: ggg

Lims ID: MB

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

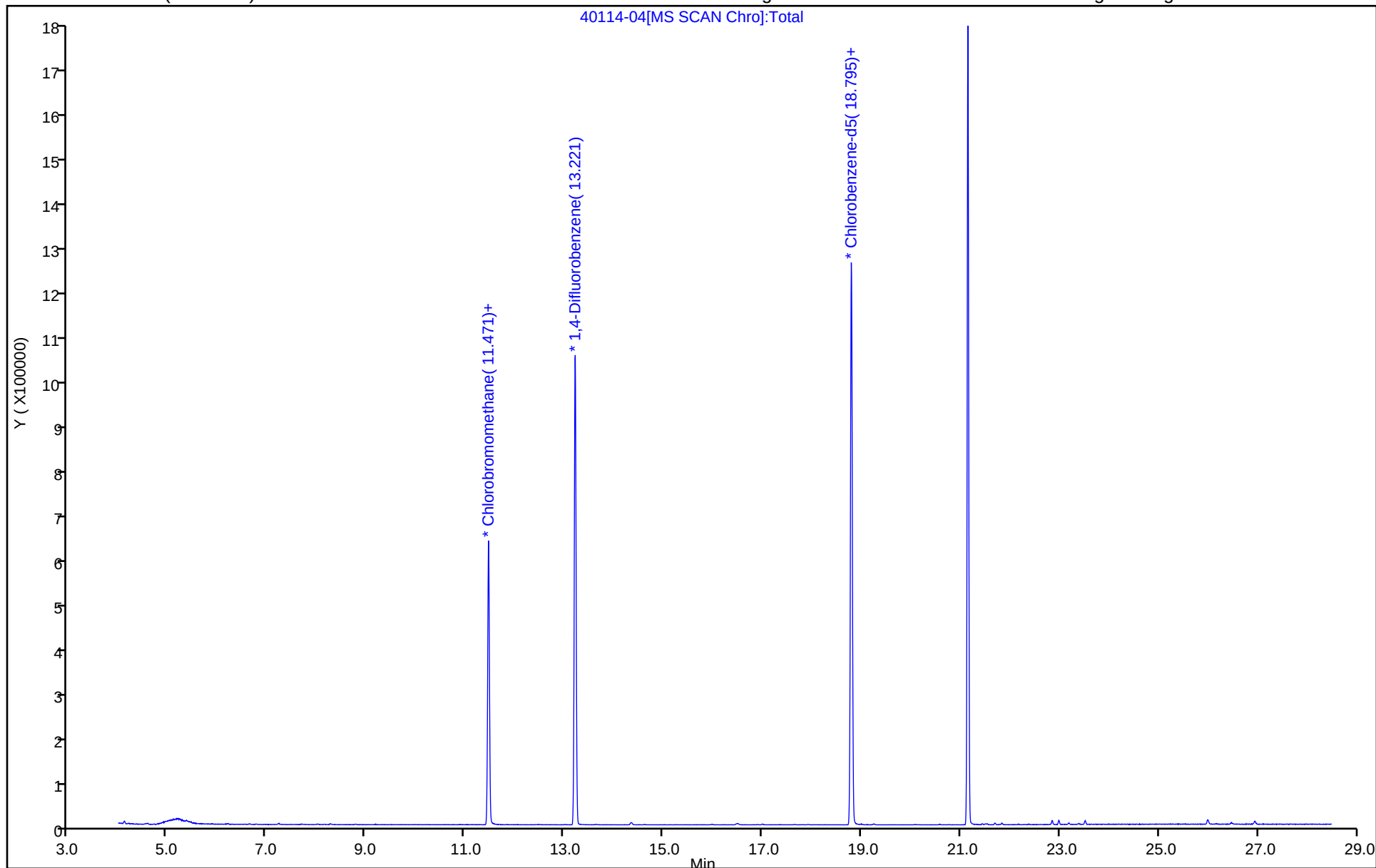
ALS Bottle#: 4

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-04.D

Injection Date: 21-Feb-2020 09:50:30

Instrument ID: CHX.i

Lims ID: MB

Client ID:

Operator ID: ggg

ALS Bottle#: 4

Worklist Smp#: 4

Purge Vol: 200.000 mL

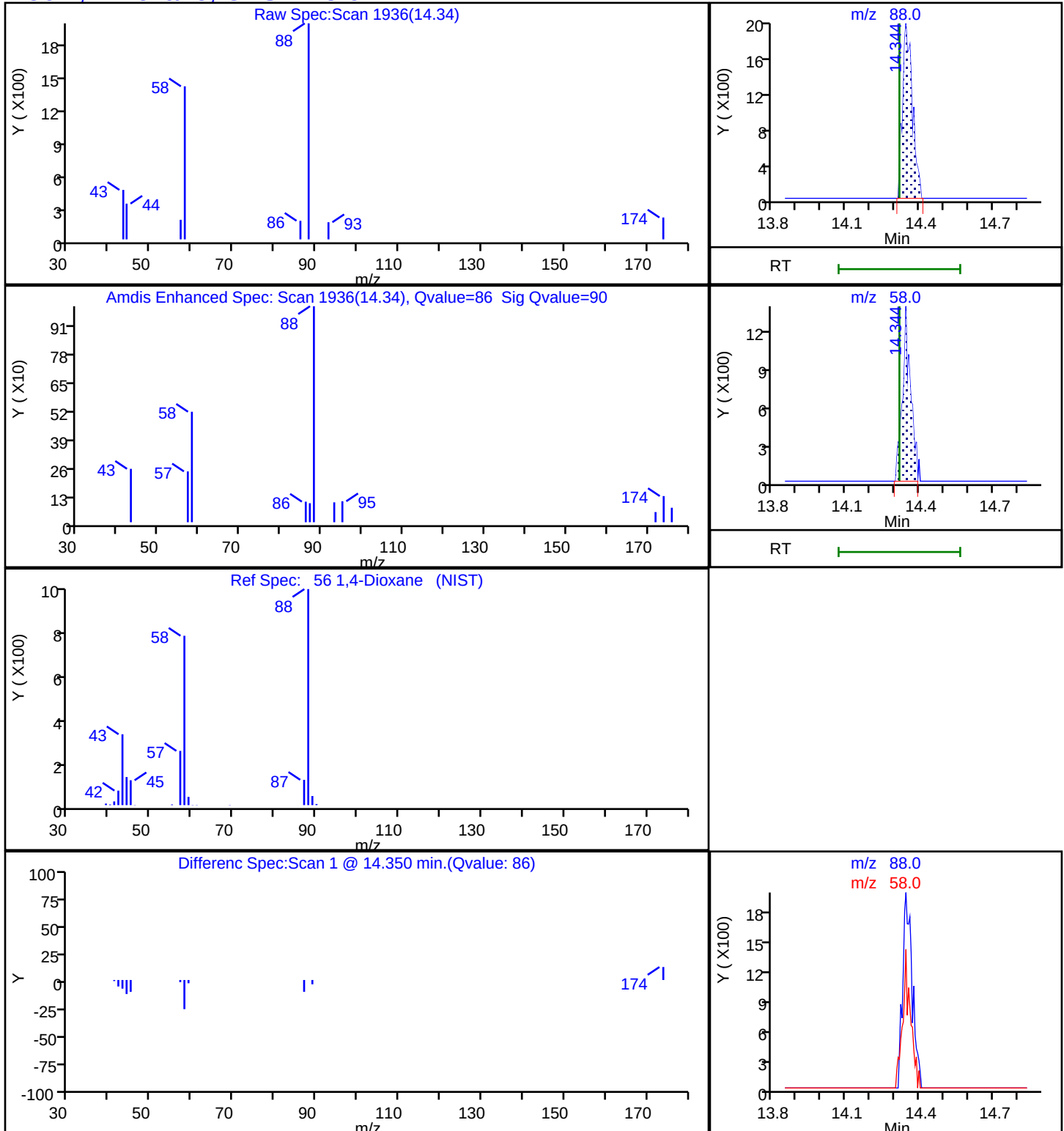
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

56 1,4-Dioxane, CAS: 123-91-1

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-04.D

Injection Date: 21-Feb-2020 09:50:30

Instrument ID: CHX.i

Lims ID: MB

Client ID:

Operator ID: ggg

ALS Bottle#:

4

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

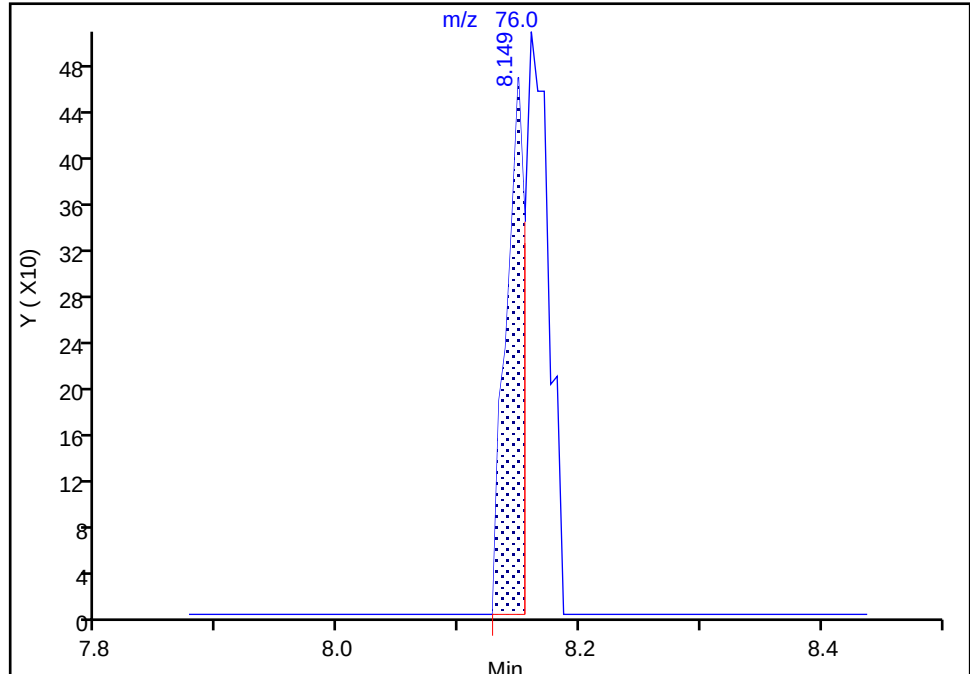
Detector: MS SCAN

23 Carbon disulfide, CAS: 75-15-0

Signal: 1

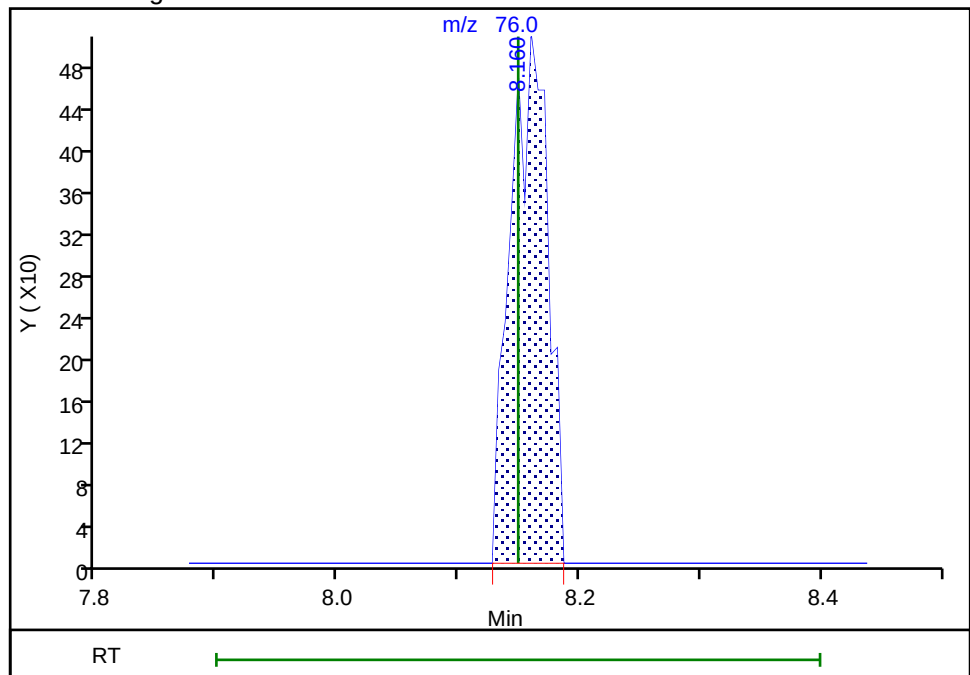
RT: 8.15
Area: 506
Amount: 0.005512
Amount Units: ppb v/v

Processing Integration Results



RT: 8.16
Area: 1094
Amount: 0.011917
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 24-Feb-2020 10:17:00

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-04.D

Injection Date: 21-Feb-2020 09:50:30

Instrument ID: CHX.i

Lims ID: MB

Client ID:

Operator ID: ggg

ALS Bottle#:

4

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

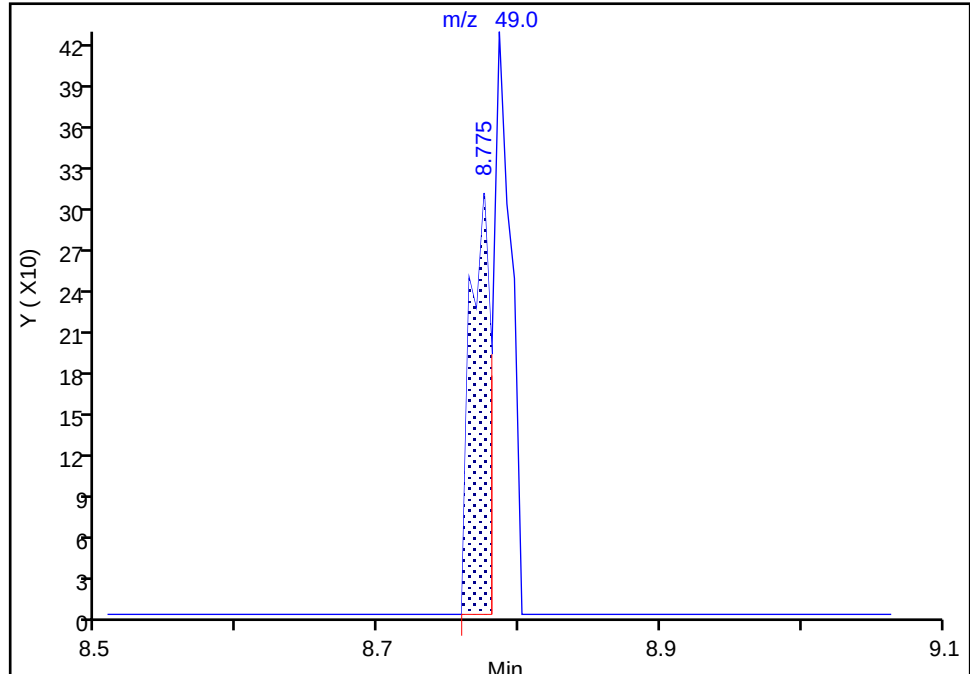
Detector: MS SCAN

27 Methylene Chloride, CAS: 75-09-2

Signal: 1

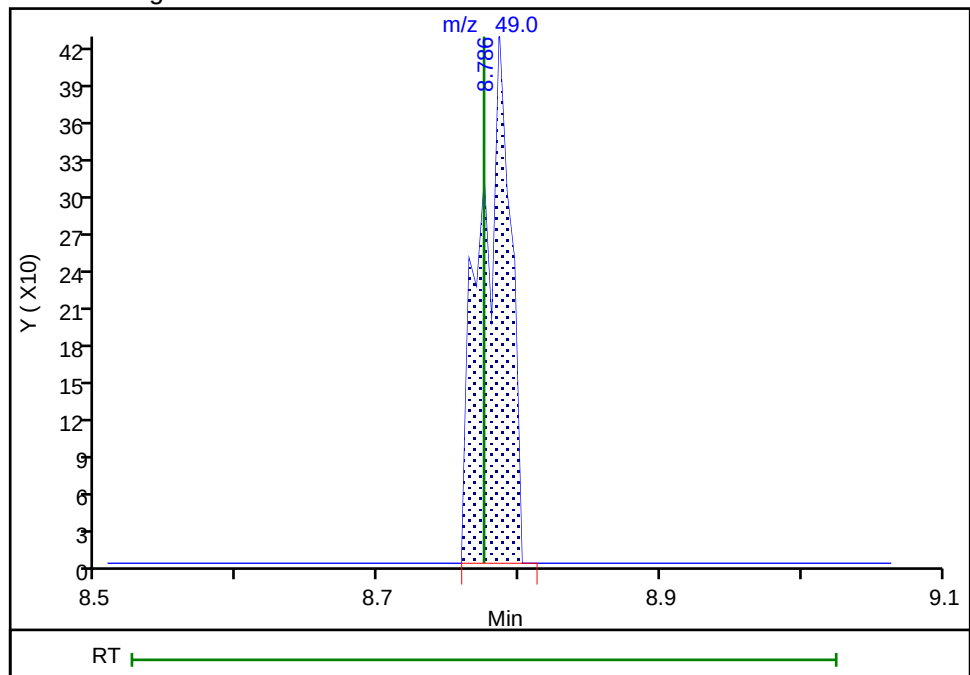
RT: 8.77
Area: 313
Amount: 0.011636
Amount Units: ppb v/v

Processing Integration Results



RT: 8.79
Area: 628
Amount: 0.023346
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 24-Feb-2020 10:17:19

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-04.D

Injection Date: 21-Feb-2020 09:50:30

Instrument ID: CHX.i

Lims ID: MB

Client ID:

Operator ID: ggg

ALS Bottle#:

4

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

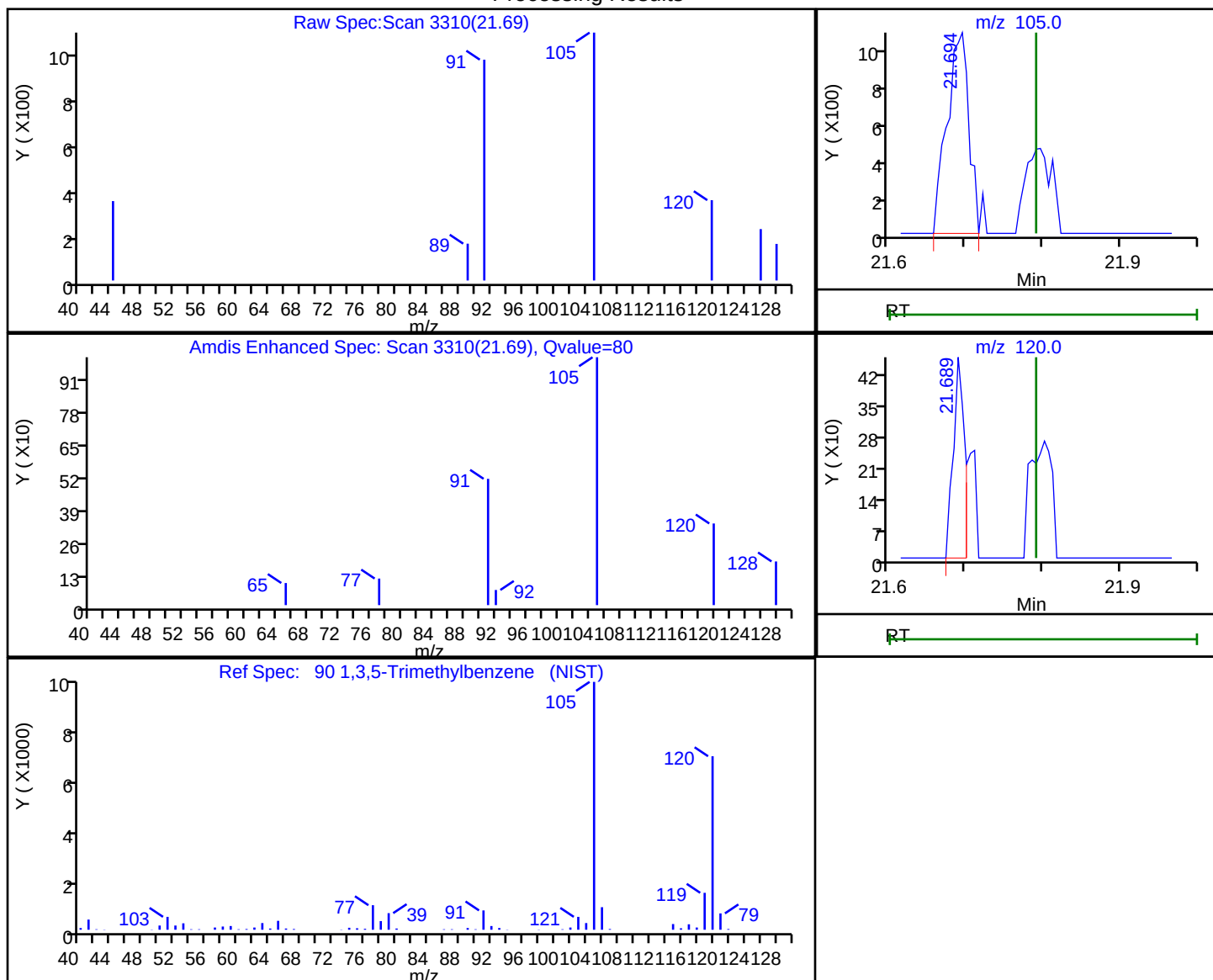
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

90 1,3,5-Trimethylbenzene, CAS: 108-67-8

Processing Results



RT	Mass	Response	Amount
21.69	105.00	2107	0.011044
21.69	120.00	456	

Reviewer: puangmaleek, 24-Feb-2020 10:18:07

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-04.D

Injection Date: 21-Feb-2020 09:50:30

Instrument ID: CHX.i

Lims ID: MB

Client ID:

Operator ID: ggg

ALS Bottle#:

4

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

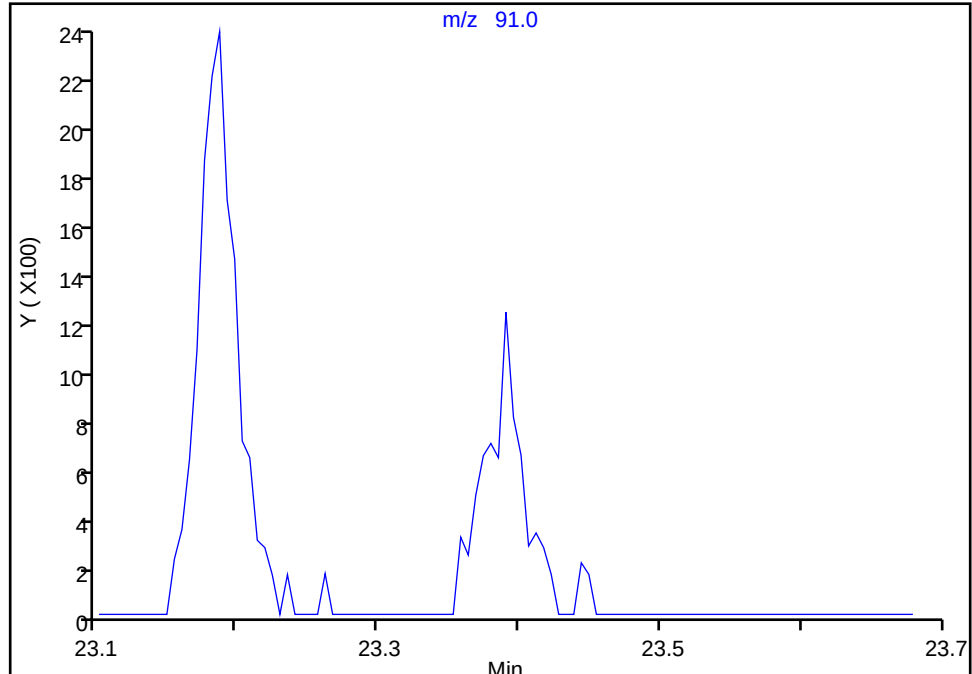
100 n-Butylbenzene, CAS: 104-51-8

Signal: 1

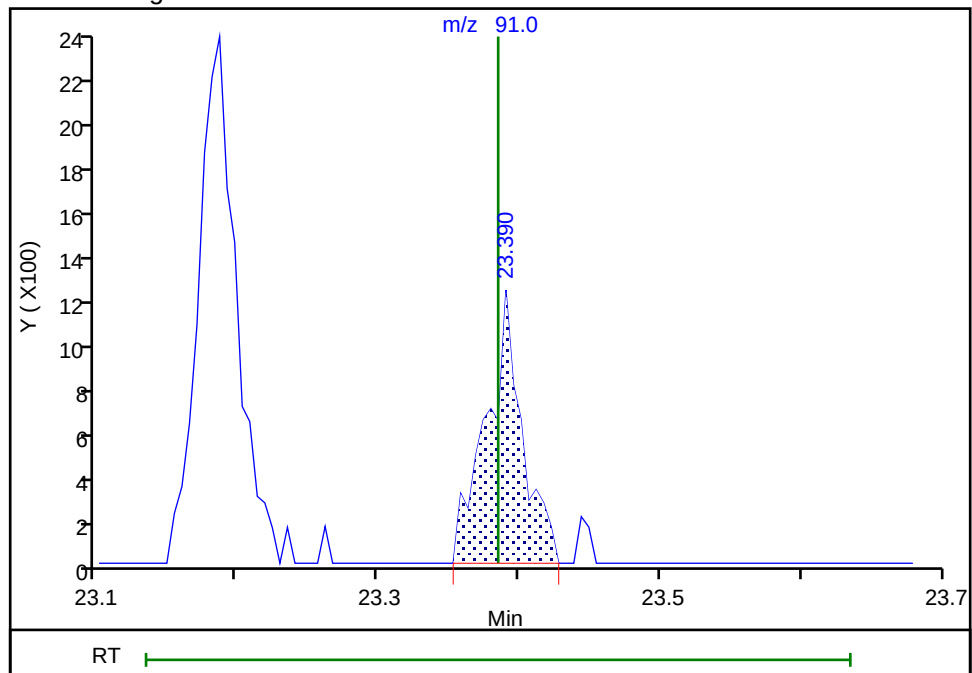
Not Detected

Expected RT: 23.38

Processing Integration Results



Manual Integration Results



RT: 23.39

Area: 2104

Amount: 0.011416

Amount Units: ppb v/v

Reviewer: puangmaleek, 24-Feb-2020 10:18:55

Audit Action: Manually Integrated

Audit Reason: Assign Peak

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 200-152580/3

Matrix: Air Lab File ID: 40108-03.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 02/20/2020 12:29

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.: 152580 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	9.85		0.50	0.11
75-45-6	Freon 22	86.47	10.6		0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	10.1		0.20	0.035
74-87-3	Chloromethane	50.49	10.9		0.50	0.11
106-97-8	n-Butane	58.12	10.4		0.50	0.11
75-01-4	Vinyl chloride	62.50	10.0		0.060	0.044
106-99-0	1,3-Butadiene	54.09	10.1		0.20	0.057
74-83-9	Bromomethane	94.94	10.0		0.20	0.051
75-00-3	Chloroethane	64.52	10.5		0.50	0.054
593-60-2	Bromoethene (Vinyl Bromide)	106.96	10.2		0.20	0.052
75-69-4	Trichlorofluoromethane	137.37	10.5		0.20	0.060
76-13-1	Freon TF	187.38	10.4		0.20	0.038
75-35-4	1,1-Dichloroethene	96.94	10.1		0.20	0.039
67-64-1	Acetone	58.08	10.4		5.0	1.2
67-63-0	Isopropyl alcohol	60.10	10.3		5.0	0.48
75-15-0	Carbon disulfide	76.14	10.2		0.50	0.074
107-05-1	3-Chloropropene	76.53	10.4		0.50	0.064
75-09-2	Methylene Chloride	84.93	10.3		0.50	0.27
75-65-0	tert-Butyl alcohol	74.12	10.9		5.0	0.038
1634-04-4	Methyl tert-butyl ether	88.15	10.3		0.20	0.033
156-60-5	trans-1,2-Dichloroethene	96.94	10.3		0.20	0.042
110-54-3	n-Hexane	86.17	10.3		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	9.80		0.20	0.041
78-93-3	Methyl Ethyl Ketone	72.11	10.3		0.50	0.072
156-59-2	cis-1,2-Dichloroethene	96.94	10.2		0.20	0.045
540-59-0	1,2-Dichloroethene, Total	96.94	20.5		0.40	0.042
67-66-3	Chloroform	119.38	10.1		0.20	0.032
109-99-9	Tetrahydrofuran	72.11	9.86		5.0	0.066
71-55-6	1,1,1-Trichloroethane	133.41	9.79		0.20	0.036
110-82-7	Cyclohexane	84.16	9.73		0.20	0.046
56-23-5	Carbon tetrachloride	153.81	9.99		0.060	0.024
540-84-1	2,2,4-Trimethylpentane	114.23	10.0		0.20	0.041
71-43-2	Benzene	78.11	9.80		0.20	0.067
107-06-2	1,2-Dichloroethane	98.96	9.94		0.20	0.032

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 200-152580/3

Matrix: Air Lab File ID: 40108-03.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 02/20/2020 12:29

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.: 152580 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	9.66		0.20	0.056
79-01-6	Trichloroethene	131.39	10.2		0.060	0.035
80-62-6	Methyl methacrylate	100.12	9.98		0.50	0.033
78-87-5	1,2-Dichloropropane	112.99	10.2		0.20	0.033
123-91-1	1,4-Dioxane	88.11	10.7		5.0	0.084
75-27-4	Bromodichloromethane	163.83	10.3		0.20	0.035
10061-01-5	cis-1,3-Dichloropropene	110.97	10.5		0.20	0.032
108-10-1	methyl isobutyl ketone	100.16	9.59		0.50	0.036
108-88-3	Toluene	92.14	9.84		0.20	0.11
10061-02-6	trans-1,3-Dichloropropene	110.97	9.87		0.20	0.039
79-00-5	1,1,2-Trichloroethane	133.41	10.2		0.20	0.036
127-18-4	Tetrachloroethene	165.83	10.1		0.20	0.033
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	8.82		0.50	0.048
124-48-1	Dibromochloromethane	208.29	9.40		0.20	0.036
106-93-4	1,2-Dibromoethane	187.87	10.5		0.20	0.049
108-90-7	Chlorobenzene	112.56	10.2		0.20	0.056
100-41-4	Ethylbenzene	106.17	9.86		0.20	0.063
179601-23-1	m,p-Xylene	106.17	19.9		0.50	0.10
95-47-6	Xylene, o-	106.17	10.1		0.20	0.048
1330-20-7	Xylene (total)	106.17	30.0		0.70	0.048
100-42-5	Styrene	104.15	10.3		0.20	0.040
75-25-2	Bromoform	252.75	10.2		0.20	0.048
98-82-8	Cumene	120.19	10.1		0.20	0.035
79-34-5	1,1,2,2-Tetrachloroethane	167.85	10.1		0.20	0.042
103-65-1	n-Propylbenzene	120.19	10.0		0.20	0.039
622-96-8	4-Ethyltoluene	120.20	10.0		0.20	0.041
108-67-8	1,3,5-Trimethylbenzene	120.20	10.1		0.20	0.039
95-49-8	2-Chlorotoluene	126.59	9.97		0.20	0.042
98-06-6	tert-Butylbenzene	134.22	9.88		0.20	0.035
95-63-6	1,2,4-Trimethylbenzene	120.20	10.1		0.20	0.044
135-98-8	sec-Butylbenzene	134.22	10.1		0.20	0.035
99-87-6	4-Isopropyltoluene	134.22	9.92		0.20	0.039
541-73-1	1,3-Dichlorobenzene	147.00	10.1		0.20	0.11
106-46-7	1,4-Dichlorobenzene	147.00	10.1		0.20	0.12

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 200-152580/3
 Matrix: Air Lab File ID: 40108-03.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 02/20/2020 12:29
 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.: 152580 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	10.9		0.20	0.085
104-51-8	n-Butylbenzene	134.22	10.1		0.20	0.039
95-50-1	1,2-Dichlorobenzene	147.00	9.95		0.20	0.097
120-82-1	1,2,4-Trichlorobenzene	181.45	10.8		0.50	0.22
87-68-3	Hexachlorobutadiene	260.76	10.2		0.20	0.076
91-20-3	Naphthalene	128.17	9.63		0.50	0.17

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-03.D

Lims ID: LCS

Client ID:

Sample Type: LCS

Inject. Date: 20-Feb-2020 12:29:30

ALS Bottle#: 3

Worklist Smp#: 3

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Sample Info: 200-0040108-003

Operator ID: ggg

Instrument ID: CHC.i

Method: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\TO15_MasterMethod_(v1)_CHC.i.m

Limit Group: AI_TO15_ICAL

Last Update: 21-Feb-2020 16:13:58

Calib Date: 19-Feb-2020 02:47:30

Integrator: RTE

ID Type: Deconvolution ID

Quant Method: Internal Standard

Quant By: Initial Calibration

Last ICal File: \\chromna\Burlington\ChromData\CHC.i\20200218-40074.b\40074-13.D

Column 1 : RTX-624 (0.32 mm)

Det: MS SCAN

Process Host: CTX0311

First Level Reviewer: bunmaa

Date: 21-Feb-2020 11:22:33

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	2.930	2.946	-0.016	97	201769	10.1	10.8	M
2 Dichlorodifluoromethane	85	2.994	3.010	-0.016	99	445376	10.6	9.85	
3 Chlorodifluoromethane	51	3.037	3.053	-0.016	98	358058	10.6	10.6	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.239	3.255	-0.016	96	467690	10.6	10.1	
5 Chloromethane	50	3.357	3.373	-0.016	99	194265	9.94	10.9	
6 Butane	43	3.554	3.570	-0.016	97	344235	10.3	10.4	
7 Vinyl chloride	62	3.586	3.602	-0.016	98	193500	9.99	10.0	
8 Butadiene	54	3.661	3.677	-0.016	94	155827	9.70	10.1	
9 BFB									
10 Bromomethane	94	4.291	4.307	-0.016	99	154410	10.4	10.0	
11 Chloroethane	64	4.515	4.531	-0.016	99	91370	10.6	10.5	
12 2-Methylbutane	43	4.611	4.627	-0.016	93	240982	10.4	10.1	
13 Vinyl bromide	106	4.894	4.910	-0.016	98	146103	10.0	10.2	
14 Trichlorofluoromethane	101	5.011	5.022	-0.011	98	431059	10.4	10.5	
16 Pentane	43	5.155	5.171	-0.016	98	393779	10.2	10.3	
17 Ethanol	45	5.577	5.598	-0.021	98	180189	15.0	15.5	
18 Ethyl ether	59	5.662	5.678	-0.016	90	132140	10.2	10.3	
19 Acrolein	56	5.993	6.004	-0.011	97	84329	9.71	9.05	
20 1,1,2-Trichloro-1,2,2-trif	101	6.073	6.084	-0.011	94	337375	10.7	10.4	
21 1,1-Dichloroethene	96	6.089	6.100	-0.011	93	157119	10.2	10.1	
22 Acetone	43	6.303	6.319	-0.016	100	360990	10.4	10.4	
23 Carbon disulfide	76	6.463	6.474	-0.011	100	495714	10.4	10.2	
24 Isopropyl alcohol	45	6.650	6.666	-0.016	100	403970	10.2	10.3	
25 3-Chloro-1-propene	41	6.858	6.869	-0.010	94	330172	10.7	10.4	
26 Acetonitrile	41	6.933	6.949	-0.016	98	175588	9.72	10.2	
27 Methylene Chloride	49	7.141	7.151	-0.010	95	259055	10.2	10.3	
28 2-Methyl-2-propanol	59	7.418	7.434	-0.016	96	430072	10.8	10.9	
29 Methyl tert-butyl ether	73	7.584	7.600	-0.016	96	541153	10.6	10.3	
31 trans-1,2-Dichloroethene	61	7.600	7.610	-0.010	93	305335	10.3	10.3	
32 Acrylonitrile	53	7.696	7.706	-0.010	93	151020	10.2	10.4	
33 Hexane	57	8.021	8.027	-0.006	92	318758	10.5	10.3	
34 1,1-Dichloroethane	63	8.443	8.454	-0.011	99	365643	10.3	9.80	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43	8.539	8.550	-0.011	100	710013	10.1	10.6	
37 cis-1,2-Dichloroethene	96	9.542	9.553	-0.011	96	185256	10.4	10.2	
38 2-Butanone (MEK)	72	9.590	9.601	-0.011	97	100768	10.4	10.3	
39 Ethyl acetate	88	9.670	9.670	0.000	98	15633	10.2	10.1	
* 40 Chlorobromomethane	128	9.991	9.996	-0.005	94	255296	20.0	20.0	
41 Tetrahydrofuran	42	10.033	10.044	-0.011	92	332229	9.81	9.86	
42 Chloroform	83	10.140	10.151	-0.011	95	427563	10.3	10.1	
S 30 1,2-Dichloroethene, Total	61				0		20.0	20.5	
43 Cyclohexane	84	10.412	10.418	-0.006	90	257612	10.2	9.73	
44 1,1,1-Trichloroethane	97	10.412	10.418	-0.006	95	434365	10.3	9.79	
45 Carbon tetrachloride	117	10.679	10.684	-0.005	96	428651	10.0	9.99	
47 Benzene	78	11.117	11.122	-0.005	98	643863	10.4	9.80	
46 Isooctane	57	11.143	11.149	-0.006	96	1243927	10.1	10.0	
48 1,2-Dichloroethane	62	11.277	11.282	-0.005	97	346904	10.5	9.94	
49 n-Heptane	43	11.549	11.554	-0.005	96	590464	10.3	9.66	
* 50 1,4-Difluorobenzene	114	11.965	11.971	-0.006	98	1372823	20.0	20.0	
52 n-Butanol	56	12.419	12.440	-0.021	97	180868	9.11	8.87	
53 Trichloroethene	95	12.440	12.440	0.000	92	282467	10.3	10.2	
A 51 GRO	1	12.846	(4.617-21.075)		0	116921398	10.0	0	
54 1,2-Dichloropropane	63	12.958	12.958	0.000	85	290022	10.3	10.2	
55 Methyl methacrylate	69	13.182	13.182	0.000	87	267402	10.2	9.98	
57 Dibromomethane	174	13.214	13.219	-0.005	94	237794	10.3	10.0	
56 1,4-Dioxane	88	13.219	13.230	-0.011	97	138758	10.3	10.7	
58 Dichlorobromomethane	83	13.534	13.540	-0.006	97	520533	10.3	10.3	
60 cis-1,3-Dichloropropene	75	14.495	14.495	0.000	97	474506	9.94	10.5	
A 59 TVOC as Toluene	1	14.540	(2.936-26.145)		0	178988644	10.0	0	
61 4-Methyl-2-pentanone (MIBK)	43	14.794	14.799	-0.005	98	812617	10.2	9.59	
65 Toluene	92	15.098	15.098	0.000	92	475323	10.2	9.84	
64 n-Octane	43	15.231	15.237	-0.006	99	866101	10.3	9.60	
66 trans-1,3-Dichloropropene	75	15.696	15.696	0.000	96	425463	9.85	9.87	
67 1,1,2-Trichloroethane	83	16.064	16.064	0.000	96	250762	10.5	10.2	
68 Tetrachloroethene	166	16.208	16.213	-0.005	94	350187	10.5	10.1	
69 2-Hexanone	43	16.534	16.539	-0.005	90	786520	10.1	8.82	
71 Chlorodibromomethane	129	16.827	16.833	-0.005	96	448430	10.6	9.40	
72 Ethylene Dibromide	107	17.083	17.083	0.000	98	416845	10.7	10.5	
* 74 Chlorobenzene-d5	117	18.007	18.007	0.000	93	1370290	20.0	20.0	
75 Chlorobenzene	112	18.065	18.065	0.000	88	601262	10.5	10.2	
76 Ethylbenzene	91	18.236	18.236	0.000	99	1095362	10.2	9.86	
77 n-Nonane	57	18.428	18.428	0.000	95	684946	10.5	10.1	
78 m-Xylene & p-Xylene	106	18.487	18.487	0.000	0	784106	20.0	19.9	
79 o-Xylene	106	19.319	19.325	-0.006	97	381356	10.4	10.1	
80 Styrene	104	19.373	19.373	0.000	97	623229	10.3	10.3	
81 Bromoform	173	19.800	19.800	0.000	95	415224	10.3	10.2	
82 Isopropylbenzene	105	20.056	20.056	0.000	98	1166295	10.5	10.1	
S 73 Xylenes, Total	106				0		30.0	30.0	
84 1,1,2,2-Tetrachloroethane	83	20.739	20.739	0.000	98	650542	10.3	10.1	
86 1,2,3-Trichloropropane	75	20.825	20.825	-0.001	94	564622	10.6	10.1	
85 N-Propylbenzene	91	20.830	20.830	0.000	97	1512242	10.4	10.0	
89 2-Chlorotoluene	91	21.027	21.027	0.000	96	1069588	10.4	9.97	
88 4-Ethyltoluene	105	21.033	21.027	0.006	97	1197099	10.2	10.0	
87 n-Decane	57	21.070	21.065	0.005	86	900215	10.3	10.1	
90 1,3,5-Trimethylbenzene	105	21.145	21.145	0.000	91	979242	10.5	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 Alpha Methyl Styrene	118	21.529	21.524	0.005	83	477771	10.2	10.1	
92 tert-Butylbenzene	119	21.652	21.652	0.000	89	899542	10.4	9.88	
93 1,2,4-Trimethylbenzene	105	21.753	21.753	0.000	99	996829	10.4	10.1	
94 sec-Butylbenzene	105	21.993	21.993	0.000	98	1458008	10.5	10.1	
95 4-Isopropyltoluene	119	22.207	22.207	0.000	96	1184336	10.5	9.92	
96 1,3-Dichlorobenzene	146	22.217	22.217	0.000	96	630615	10.2	10.1	
97 1,4-Dichlorobenzene	146	22.356	22.362	-0.006	90	630811	10.4	10.1	
98 Benzyl chloride	91	22.548	22.548	0.000	96	1082521	10.2	10.9	
100 n-Butylbenzene	91	22.783	22.783	0.000	97	1282507	10.5	10.1	
99 Undecane	57	22.842	22.842	0.000	92	1025517	10.7	10.2	
101 1,2-Dichlorobenzene	146	22.879	22.879	0.000	92	595965	10.8	9.95	
102 Dodecane	57	24.358	24.358	0.000	90	1023590	10.6	10.2	
103 1,2,4-Trichlorobenzene	180	25.254	25.254	0.000	93	560176	11.0	10.8	
104 Hexachlorobutadiene	225	25.457	25.457	0.000	97	501181	10.8	10.2	
105 Naphthalene	128	25.686	25.686	0.000	98	1177198	10.5	9.63	
106 1,2,3-Trichlorobenzene	180	26.135	26.135	0.000	92	463236	10.9	9.33	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATTO15LCSW_00804

Amount Added: 200.00

Units: mL

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 21-Feb-2020 16:14:03

Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200220-40108.b\40108-03.D

Injection Date: 20-Feb-2020 12:29:30

Instrument ID: CHC.i

Operator ID: ggg

Lims ID: LCS

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

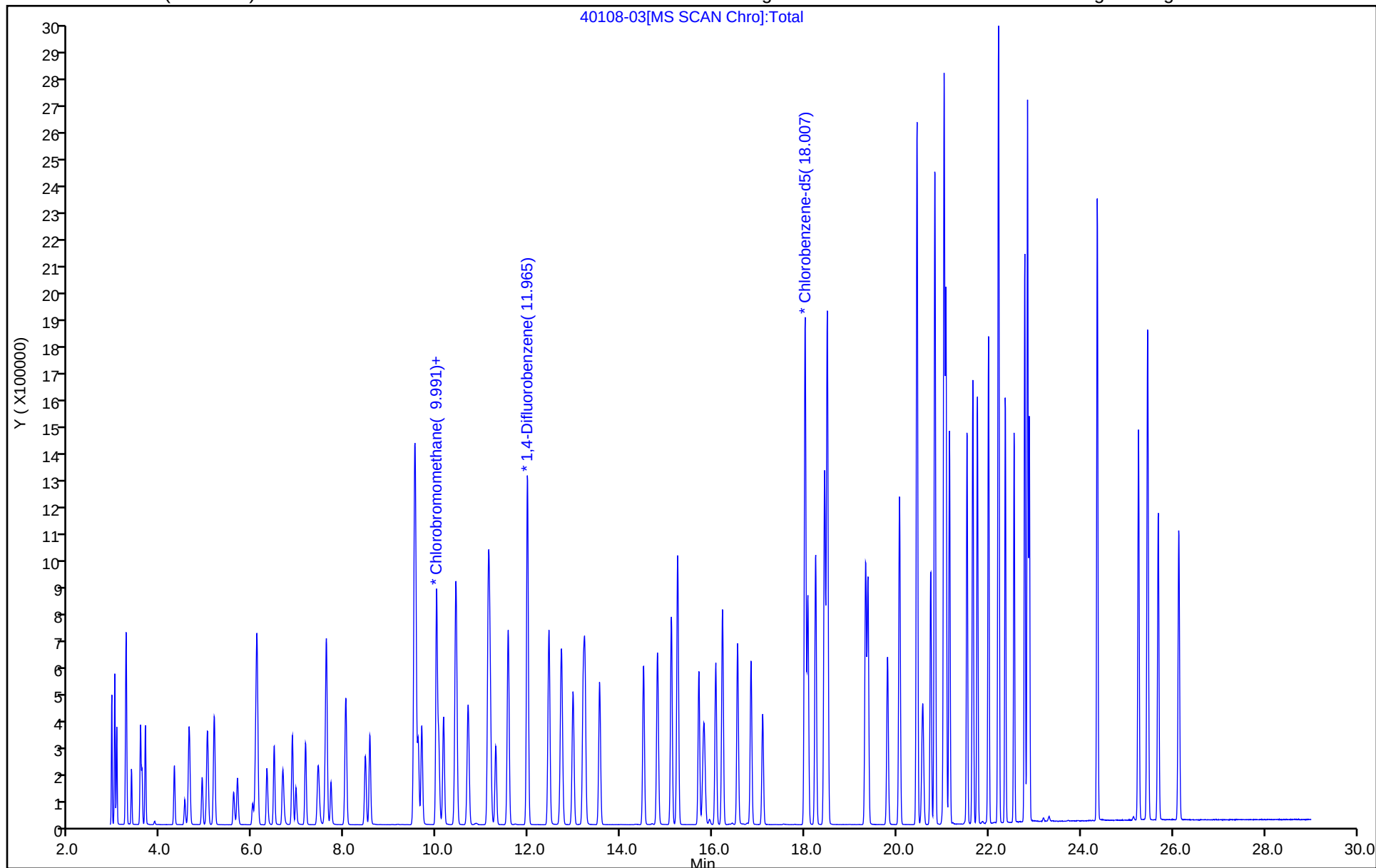
ALS Bottle#: 3

Method: TO15_MasterMethod_(v1)_CHC.i

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: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 200-152597/3

Matrix: Air Lab File ID: 40114-03.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 09:00

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.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	12.6		0.50	0.11
75-45-6	Freon 22	86.47	13.1		0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	11.9		0.20	0.035
74-87-3	Chloromethane	50.49	11.7		0.50	0.11
106-97-8	n-Butane	58.12	8.37		0.50	0.11
75-01-4	Vinyl chloride	62.50	8.74		0.060	0.044
106-99-0	1,3-Butadiene	54.09	8.95		0.20	0.057
74-83-9	Bromomethane	94.94	9.40		0.20	0.051
75-00-3	Chloroethane	64.52	9.91		0.50	0.054
593-60-2	Bromoethene (Vinyl Bromide)	106.96	9.47		0.20	0.052
75-69-4	Trichlorofluoromethane	137.37	10.4		0.20	0.060
76-13-1	Freon TF	187.38	9.21		0.20	0.038
75-35-4	1,1-Dichloroethene	96.94	8.35		0.20	0.039
67-64-1	Acetone	58.08	8.36		5.0	1.2
67-63-0	Isopropyl alcohol	60.10	10.7		5.0	0.48
75-15-0	Carbon disulfide	76.14	8.49		0.50	0.074
107-05-1	3-Chloropropene	76.53	7.05		0.50	0.064
75-09-2	Methylene Chloride	84.93	10.3		0.50	0.27
75-65-0	tert-Butyl alcohol	74.12	11.0		5.0	0.038
1634-04-4	Methyl tert-butyl ether	88.15	10.2		0.20	0.033
156-60-5	trans-1,2-Dichloroethene	96.94	9.79		0.20	0.042
110-54-3	n-Hexane	86.17	9.44		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	9.56		0.20	0.041
78-93-3	Methyl Ethyl Ketone	72.11	9.37		0.50	0.072
156-59-2	cis-1,2-Dichloroethene	96.94	9.17		0.20	0.045
540-59-0	1,2-Dichloroethene, Total	96.94	19.0		0.40	0.042
67-66-3	Chloroform	119.38	9.83		0.20	0.032
109-99-9	Tetrahydrofuran	72.11	10.1		5.0	0.066
71-55-6	1,1,1-Trichloroethane	133.41	10.2		0.20	0.036
110-82-7	Cyclohexane	84.16	9.44		0.20	0.046
56-23-5	Carbon tetrachloride	153.81	10.5		0.060	0.024
540-84-1	2,2,4-Trimethylpentane	114.23	9.81		0.20	0.041
71-43-2	Benzene	78.11	9.51		0.20	0.067
107-06-2	1,2-Dichloroethane	98.96	10.6		0.20	0.032

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 200-152597/3

Matrix: Air Lab File ID: 40114-03.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 09:00

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.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	10.0		0.20	0.056
79-01-6	Trichloroethene	131.39	9.76		0.060	0.035
80-62-6	Methyl methacrylate	100.12	9.79		0.50	0.033
78-87-5	1,2-Dichloropropane	112.99	9.69		0.20	0.033
123-91-1	1,4-Dioxane	88.11	11.0		5.0	0.084
75-27-4	Bromodichloromethane	163.83	10.7		0.20	0.035
10061-01-5	cis-1,3-Dichloropropene	110.97	10.6		0.20	0.032
108-10-1	methyl isobutyl ketone	100.16	9.89		0.50	0.036
108-88-3	Toluene	92.14	9.23		0.20	0.11
10061-02-6	trans-1,3-Dichloropropene	110.97	9.91		0.20	0.039
79-00-5	1,1,2-Trichloroethane	133.41	9.23		0.20	0.036
127-18-4	Tetrachloroethene	165.83	8.90		0.20	0.033
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	9.20		0.50	0.048
124-48-1	Dibromochloromethane	208.29	10.4		0.20	0.036
106-93-4	1,2-Dibromoethane	187.87	10.1		0.20	0.049
108-90-7	Chlorobenzene	112.56	9.26		0.20	0.056
100-41-4	Ethylbenzene	106.17	9.55		0.20	0.063
179601-23-1	m,p-Xylene	106.17	18.9		0.50	0.10
95-47-6	Xylene, o-	106.17	9.20		0.20	0.048
1330-20-7	Xylene (total)	106.17	28.1		0.70	0.048
100-42-5	Styrene	104.15	10.1		0.20	0.040
75-25-2	Bromoform	252.75	10.2		0.20	0.048
98-82-8	Cumene	120.19	9.71		0.20	0.035
79-34-5	1,1,2,2-Tetrachloroethane	167.85	9.41		0.20	0.042
103-65-1	n-Propylbenzene	120.19	9.93		0.20	0.039
622-96-8	4-Ethyltoluene	120.20	10.3		0.20	0.041
108-67-8	1,3,5-Trimethylbenzene	120.20	9.84		0.20	0.039
95-49-8	2-Chlorotoluene	126.59	10.3		0.20	0.042
98-06-6	tert-Butylbenzene	134.22	9.81		0.20	0.035
95-63-6	1,2,4-Trimethylbenzene	120.20	10.2		0.20	0.044
135-98-8	sec-Butylbenzene	134.22	10.0		0.20	0.035
99-87-6	4-Isopropyltoluene	134.22	10.4		0.20	0.039
541-73-1	1,3-Dichlorobenzene	147.00	9.87		0.20	0.11
106-46-7	1,4-Dichlorobenzene	147.00	9.96		0.20	0.12

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 200-152597/3
 Matrix: Air Lab File ID: 40114-03.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 09:00
 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.: 152597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	11.2		0.20	0.085
104-51-8	n-Butylbenzene	134.22	11.3		0.20	0.039
95-50-1	1,2-Dichlorobenzene	147.00	10.5		0.20	0.097
120-82-1	1,2,4-Trichlorobenzene	181.45	12.9		0.50	0.22
87-68-3	Hexachlorobutadiene	260.76	12.4		0.20	0.076
91-20-3	Naphthalene	128.17	12.9		0.50	0.17

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-03.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 21-Feb-2020 09:00:30 ALS Bottle#: 3 Worklist Smp#: 3
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0040114-003
 Operator ID: ggg Instrument ID: CHX.i
 Method: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 24-Feb-2020 10:13:18 Calib Date: 22-Jan-2020 04:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHX.i\20200121-39662.b\39662-16.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0337

First Level Reviewer: puangmaleek

Date: 24-Feb-2020 10:14:53

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	4.089	4.094	-0.006	99	399947	10.1	12.9	
2 Dichlorodifluoromethane	85	4.174	4.185	-0.011	99	1304859	10.6	12.6	
3 Chlorodifluoromethane	51	4.238	4.249	-0.011	98	761879	10.6	13.1	
4 1,2-Dichloro-1,1,2,2-tetra	85	4.506	4.516	-0.010	92	1407723	10.6	11.9	
5 Chloromethane	50	4.693	4.704	-0.011	99	440029	9.94	11.7	
6 Butane	43	4.928	4.934	-0.006	98	390144	10.3	8.37	
7 Vinyl chloride	62	4.982	4.993	-0.010	98	289781	9.99	8.74	
8 Butadiene	54	5.067	5.083	-0.016	93	180608	9.70	8.95	
9 BFB									
10 Bromomethane	94	5.865	5.870	-0.005	99	430246	10.4	9.40	
11 Chloroethane	64	6.111	6.121	-0.010	99	214103	10.6	9.91	
12 2-Methylbutane	43	6.180	6.191	-0.011	92	427858	10.4	9.79	
13 Vinyl bromide	106	6.528	6.539	-0.011	99	427634	10.0	9.47	
14 Trichlorofluoromethane	101	6.624	6.630	-0.006	99	1219957	10.4	10.4	
16 Pentane	43	6.758	6.763	-0.005	98	544436	10.2	8.88	
17 Ethanol	45	7.175	7.181	-0.006	99	229353	15.0	16.6	
18 Ethyl ether	59	7.272	7.277	-0.005	93	220634	10.2	8.99	
19 Acrolein	56	7.673	7.678	-0.005	96	114009	9.71	12.1	
20 1,1,2-Trichloro-1,2,2-trif	101	7.684	7.689	-0.005	94	786298	10.7	9.21	
21 1,1-Dichloroethene	96	7.748	7.753	-0.005	95	360214	10.2	8.35	
22 Acetone	43	7.962	7.967	-0.005	97	370917	10.4	8.36	
23 Carbon disulfide	76	8.144	8.149	-0.005	99	820531	10.4	8.49	
24 Isopropyl alcohol	45	8.208	8.218	-0.010	100	404325	10.2	10.7	
25 3-Chloro-1-propene	41	8.491	8.491	0.000	97	189939	10.7	7.05	
26 Acetonitrile	41	8.620	8.620	0.000	99	167677	9.72	10.2	
27 Methylene Chloride	49	8.769	8.775	-0.006	84	292304	10.2	10.3	
28 2-Methyl-2-propanol	59	8.935	8.941	-0.006	94	617512	10.8	11.0	
29 Methyl tert-butyl ether	73	9.123	9.128	-0.005	95	957201	10.6	10.2	
31 trans-1,2-Dichloroethene	61	9.171	9.181	-0.010	94	434081	10.3	9.79	
32 Acrylonitrile	53	9.321	9.320	0.000	95	180587	10.2	9.37	
33 Hexane	57	9.513	9.518	-0.005	90	415953	10.5	9.44	
S 30 1,2-Dichloroethene, Total	61				0		20.0	19.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	9.995	10.000	-0.005	100	526516	10.3	9.56	
35 Vinyl acetate	43	10.043	10.048	-0.005	99	648258	10.1	11.5	
37 cis-1,2-Dichloroethene	96	11.032	11.032	0.000	87	368779	10.4	9.17	
38 2-Butanone (MEK)	72	11.059	11.064	-0.005	99	157716	10.4	9.37	
39 Ethyl acetate	88	11.081	11.086	-0.005	98	29524	10.2	9.43	
* 40 Chlorobromomethane	128	11.460	11.466	-0.006	72	298361	10.0	10.0	
41 Tetrahydrofuran	42	11.460	11.471	-0.011	81	249512	9.81	10.1	
42 Chloroform	83	11.573	11.578	-0.005	96	773006	10.3	9.83	
43 Cyclohexane	84	11.803	11.808	-0.005	92	455359	10.2	9.44	
44 1,1,1-Trichloroethane	97	11.830	11.835	-0.005	93	906936	10.3	10.2	
45 Carbon tetrachloride	117	12.060	12.059	0.001	98	1021582	10.0	10.5	
46 Isooctane	57	12.423	12.423	0.000	98	1337077	10.1	9.81	
47 Benzene	78	12.477	12.482	-0.005	94	1038275	10.4	9.51	
48 1,2-Dichloroethane	62	12.643	12.648	-0.005	99	474610	10.5	10.6	
49 n-Heptane	43	12.760	12.766	-0.006	87	432769	10.3	10.0	
* 50 1,4-Difluorobenzene	114	13.215	13.220	-0.005	92	1394474	10.0	10.0	
52 n-Butanol	56	13.541	13.547	-0.006	85	172563	9.11	10.5	
53 Trichloroethene	95	13.632	13.638	-0.006	97	518264	10.3	9.76	
A 51 GRO	1	13.927	(6.181-21.672)		0	139286748	10.0	0	
54 1,2-Dichloropropane	63	14.125	14.130	-0.005	88	325693	10.3	9.69	
55 Methyl methacrylate	69	14.248	14.248	0.000	94	335896	10.2	9.79	
56 1,4-Dioxane	88	14.312	14.317	-0.005	87	245538	10.3	11.0	
57 Dibromomethane	174	14.360	14.365	-0.005	88	665453	10.3	9.52	
58 Dichlorobromomethane	83	14.611	14.617	-0.006	98	842228	10.3	10.7	
60 cis-1,3-Dichloropropene	75	15.441	15.446	-0.005	89	626472	9.94	10.6	
A 59 TVOC as Toluene	92	15.518	(4.084-26.952)		0	266881278	10.0	0	
61 4-Methyl-2-pentanone (MIBK)	43	15.687	15.692	-0.005	93	563442	10.2	9.89	
65 Toluene	92	15.976	15.975	0.001	94	803149	10.2	9.23	
64 n-Octane	43	16.002	16.008	-0.006	84	604742	10.3	10.5	
66 trans-1,3-Dichloropropene	75	16.532	16.532	0.000	95	590227	9.85	9.91	
67 1,1,2-Trichloroethane	83	16.896	16.901	-0.005	95	405718	10.5	9.23	
68 Tetrachloroethene	166	16.997	16.997	0.000	96	965520	10.5	8.90	
69 2-Hexanone	43	17.318	17.324	-0.006	97	592041	10.1	9.20	
71 Chlorodibromomethane	129	17.650	17.650	0.000	97	1058383	10.6	10.4	
72 Ethylene Dibromide	107	17.912	17.917	-0.005	99	844209	10.7	10.1	
* 74 Chlorobenzene-d5	117	18.795	18.800	-0.005	83	1367749	10.0	10.0	
75 Chlorobenzene	112	18.854	18.859	-0.005	97	1281934	10.5	9.26	
76 Ethylbenzene	91	18.993	18.998	-0.005	97	2017656	10.2	9.55	
77 n-Nonane	57	19.105	19.105	0.000	83	763740	10.5	9.79	
78 m-Xylene & p-Xylene	106	19.244	19.244	0.000	0	1680014	20.0	18.9	
S 73 Xylenes, Total	106				0		30.0	28.1	
79 o-Xylene	106	20.084	20.084	0.000	99	787489	10.4	9.20	
80 Styrene	104	20.138	20.138	0.000	96	1247663	10.3	10.1	
81 Bromoform	173	20.576	20.576	0.000	99	1053225	10.3	10.2	
82 Isopropylbenzene	105	20.769	20.769	0.000	95	2440727	10.5	9.71	
84 1,1,2,2-Tetrachloroethane	83	21.438	21.438	0.000	99	1072743	10.3	9.41	
85 N-Propylbenzene	91	21.491	21.496	-0.005	100	2764576	10.4	9.93	
86 1,2,3-Trichloropropane	75	21.534	21.534	0.000	95	878734	10.6	10.3	
87 n-Decane	57	21.662	21.662	0.000	92	978176	10.3	10.1	
88 4-Ethyltoluene	105	21.684	21.684	0.000	98	2466038	10.2	10.3	
89 2-Chlorotoluene	91	21.700	21.700	0.000	96	2028917	10.4	10.3	
90 1,3,5-Trimethylbenzene	105	21.791	21.791	0.000	93	2121514	10.5	9.84	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 Alpha Methyl Styrene	118	22.165	22.165	0.000	91	1061997	10.2	10.3	
92 tert-Butylbenzene	119	22.283	22.283	0.000	94	2154423	10.4	9.81	
93 1,2,4-Trimethylbenzene	105	22.379	22.379	0.000	96	2140404	10.4	10.2	
94 sec-Butylbenzene	105	22.609	22.609	0.000	98	3121399	10.5	10.0	
95 4-Isopropyltoluene	119	22.807	22.812	-0.005	97	2748054	10.5	10.4	
96 1,3-Dichlorobenzene	146	22.845	22.850	-0.005	95	1521039	10.2	9.87	
97 1,4-Dichlorobenzene	146	22.984	22.984	0.000	97	1443327	10.4	9.96	
98 Benzyl chloride	91	23.182	23.182	0.000	100	1519664	10.2	11.2	
100 n-Butylbenzene	91	23.380	23.385	-0.005	97	2349167	10.5	11.3	
99 Undecane	57	23.401	23.401	0.000	91	1133196	10.7	11.5	
101 1,2-Dichlorobenzene	146	23.513	23.513	0.000	98	1527601	10.8	10.5	
102 Dodecane	57	24.968	24.968	0.000	97	945886	10.6	12.0	
103 1,2,4-Trichlorobenzene	180	25.990	25.995	-0.005	93	1198961	11.0	12.9	
104 Hexachlorobutadiene	225	26.167	26.172	-0.005	95	1741457	10.8	12.4	
105 Naphthalene	128	26.466	26.472	-0.006	99	2361443	10.5	12.9	
106 1,2,3-Trichlorobenzene	180	26.937	26.942	-0.005	96	1151237	10.9	12.1	

Reagents:

ATTO15LCSW_00804

Amount Added: 200.00

Units: mL

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 24-Feb-2020 10:14:55

Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200221-40114.b\40114-03.D

Injection Date: 21-Feb-2020 09:00:30

Instrument ID: CHX.i

Operator ID: ggg

Lims ID: LCS

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

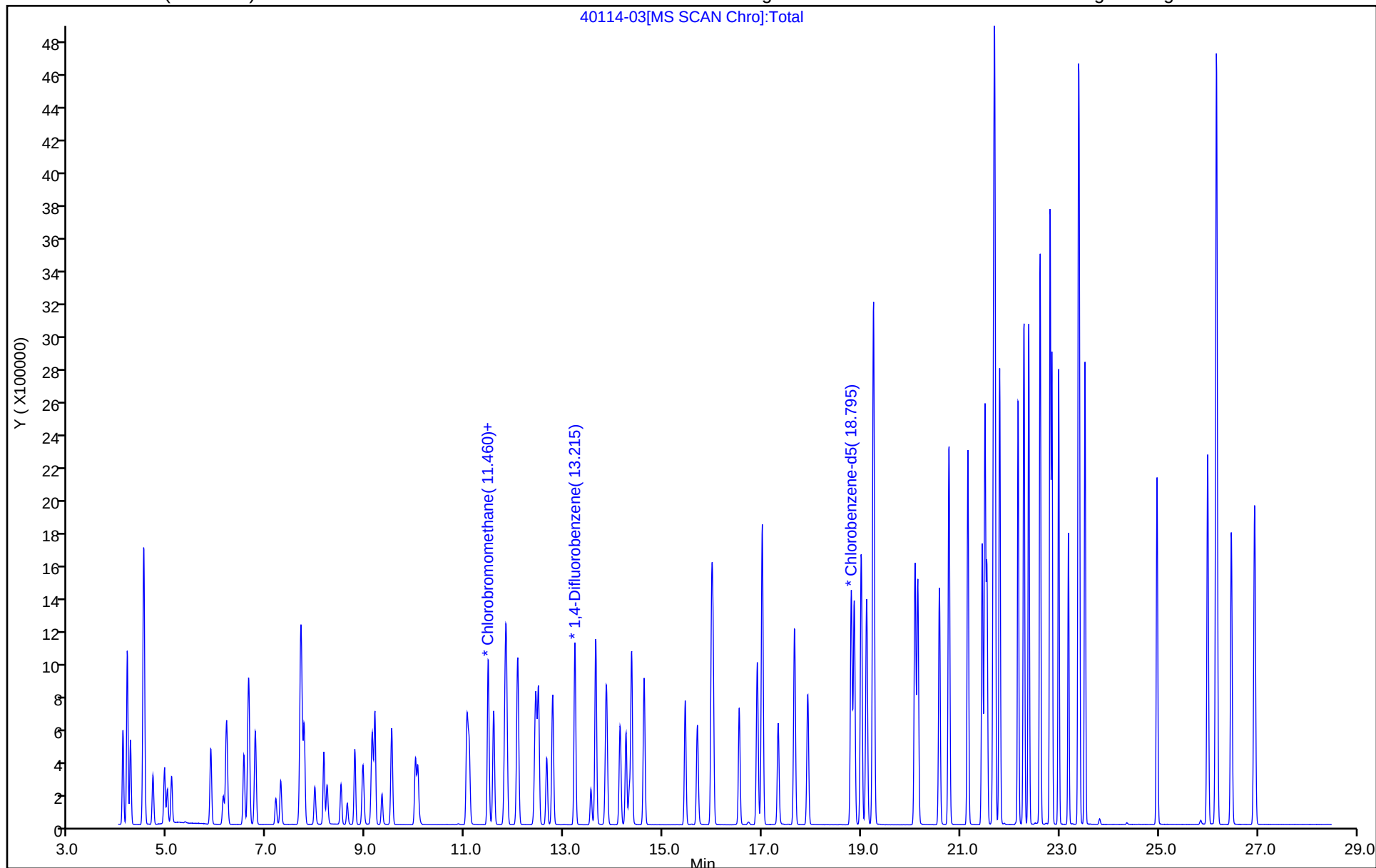
ALS Bottle#: 3

Method: TO15_MasterMethod_X.m

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: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Instrument ID: CHC.i Start Date: 02/18/2020 15:22Analysis Batch Number: 152505 End Date: 02/19/2020 06:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-152505/1		02/18/2020 15:22	1	40074-01.D	RTX-624 0.32 (mm)
IC 200-152505/4		02/18/2020 18:21	1	40074-04.D	RTX-624 0.32 (mm)
IC 200-152505/5		02/18/2020 19:18	1	40074-05.D	RTX-624 0.32 (mm)
IC 200-152505/6		02/18/2020 20:12	1	40074-06.D	RTX-624 0.32 (mm)
IC 200-152505/7		02/18/2020 21:11	1	40074-07.D	RTX-624 0.32 (mm)
ICIS 200-152505/8		02/18/2020 22:08	1	40074-08.D	RTX-624 0.32 (mm)
IC 200-152505/9		02/18/2020 23:03	1	40074-09.D	RTX-624 0.32 (mm)
IC 200-152505/12		02/19/2020 01:54	1	40074-12.D	RTX-624 0.32 (mm)
IC 200-152505/13		02/19/2020 02:47	1	40074-13.D	RTX-624 0.32 (mm)
ICV 200-152505/17		02/19/2020 06:32	1	40074-17.D	RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Instrument ID: CHC.i Start Date: 02/20/2020 10:33Analysis Batch Number: 152580 End Date: 02/21/2020 06:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-152580/1		02/20/2020 10:33	1	40108-01.D	RTX-624 0.32 (mm)
CCVIS 200-152580/2		02/20/2020 11:37	1	40108-02.D	RTX-624 0.32 (mm)
LCS 200-152580/3		02/20/2020 12:29	1	40108-03.D	RTX-624 0.32 (mm)
MB 200-152580/4		02/20/2020 13:23	1	40108-04.D	RTX-624 0.32 (mm)
ZZZZZ		02/20/2020 14:17	1		RTX-624 0.32 (mm)
ZZZZZ		02/20/2020 15:11	1		RTX-624 0.32 (mm)
ZZZZZ		02/20/2020 16:04	1		RTX-624 0.32 (mm)
ZZZZZ		02/20/2020 16:58	1		RTX-624 0.32 (mm)
ZZZZZ		02/20/2020 17:52	1		RTX-624 0.32 (mm)
ZZZZZ		02/20/2020 18:46	1		RTX-624 0.32 (mm)
ZZZZZ		02/20/2020 19:39	1		RTX-624 0.32 (mm)
ZZZZZ		02/20/2020 20:32	1		RTX-624 0.32 (mm)
ZZZZZ		02/20/2020 21:26	4		RTX-624 0.32 (mm)
ZZZZZ		02/20/2020 22:20	1		RTX-624 0.32 (mm)
200-52685-2		02/20/2020 23:13	1	40108-15.D	RTX-624 0.32 (mm)
ZZZZZ		02/21/2020 00:06	1		RTX-624 0.32 (mm)
ZZZZZ		02/21/2020 00:59	2		RTX-624 0.32 (mm)
200-52685-1		02/21/2020 01:53	1	40108-18.D	RTX-624 0.32 (mm)
200-52685-1 DL		02/21/2020 02:46	2.99	40108-19.D	RTX-624 0.32 (mm)
200-52685-3		02/21/2020 03:40	1	40108-20.D	RTX-624 0.32 (mm)
200-52685-4		02/21/2020 04:34	1	40108-21.D	RTX-624 0.32 (mm)
200-52685-6		02/21/2020 05:27	1	40108-22.D	RTX-624 0.32 (mm)
ZZZZZ		02/21/2020 06:21	130		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Instrument ID: CHX.i Start Date: 01/21/2020 16:07Analysis Batch Number: 151656 End Date: 01/22/2020 05:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-151656/1		01/21/2020 16:07	1	39662-01.D	RTX-624 0.32 (mm)
IC 200-151656/4		01/21/2020 18:37	1	39662-04.D	RTX-624 0.32 (mm)
IC 200-151656/5		01/21/2020 19:27	1	39662-05.D	RTX-624 0.32 (mm)
IC 200-151656/6		01/21/2020 20:17	1	39662-06.D	RTX-624 0.32 (mm)
IC 200-151656/7		01/21/2020 21:07	1	39662-07.D	RTX-624 0.32 (mm)
ICIS 200-151656/8		01/21/2020 21:57	1	39662-08.D	RTX-624 0.32 (mm)
IC 200-151656/9		01/21/2020 22:47	1	39662-09.D	RTX-624 0.32 (mm)
IC 200-151656/12		01/22/2020 01:17	1	39662-12.D	RTX-624 0.32 (mm)
IC 200-151656/16		01/22/2020 04:38	1	39662-16.D	RTX-624 0.32 (mm)
ICV 200-151656/17		01/22/2020 05:28	1	39662-17.D	RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Instrument ID: CHX.i Start Date: 02/21/2020 07:20Analysis Batch Number: 152597 End Date: 02/22/2020 04:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-152597/1		02/21/2020 07:20	1	40114-01.D	RTX-624 0.32 (mm)
CCVIS 200-152597/2		02/21/2020 08:10	1	40114-02.D	RTX-624 0.32 (mm)
LCS 200-152597/3		02/21/2020 09:00	1	40114-03.D	RTX-624 0.32 (mm)
MB 200-152597/4		02/21/2020 09:50	1	40114-04.D	RTX-624 0.32 (mm)
200-52685-9		02/21/2020 10:40	1	40114-05.D	RTX-624 0.32 (mm)
200-52685-10		02/21/2020 11:29	1	40114-06.D	RTX-624 0.32 (mm)
200-52685-5		02/21/2020 12:19	1	40114-07.D	RTX-624 0.32 (mm)
200-52685-5 DL		02/21/2020 13:09	20	40114-08.D	RTX-624 0.32 (mm)
200-52685-8		02/21/2020 13:59	1	40114-09.D	RTX-624 0.32 (mm)
200-52685-7		02/21/2020 14:49	1	40114-10.D	RTX-624 0.32 (mm)
200-52685-7 DL		02/21/2020 15:39	20	40114-11.D	RTX-624 0.32 (mm)
200-52685-6 DL		02/21/2020 16:29	371	40114-12.D	RTX-624 0.32 (mm)
ZZZZZ		02/21/2020 17:19	1		RTX-624 0.32 (mm)
ZZZZZ		02/21/2020 18:08	5		RTX-624 0.32 (mm)
ZZZZZ		02/21/2020 18:59	1		RTX-624 0.32 (mm)
ZZZZZ		02/21/2020 19:48	10		RTX-624 0.32 (mm)
ZZZZZ		02/21/2020 20:38	1		RTX-624 0.32 (mm)
ZZZZZ		02/21/2020 21:28	10		RTX-624 0.32 (mm)
ZZZZZ		02/21/2020 22:18	10		RTX-624 0.32 (mm)
ZZZZZ		02/21/2020 23:07	10		RTX-624 0.32 (mm)
ZZZZZ		02/21/2020 23:57	10		RTX-624 0.32 (mm)
ZZZZZ		02/22/2020 00:47	10		RTX-624 0.32 (mm)
ZZZZZ		02/22/2020 01:37	10		RTX-624 0.32 (mm)
ZZZZZ		02/22/2020 02:27	39		RTX-624 0.32 (mm)
ZZZZZ		02/22/2020 03:17	10		RTX-624 0.32 (mm)
ZZZZZ		02/22/2020 04:06	10		RTX-624 0.32 (mm)

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Burlingt Job No.: 200-52685-1

SDG No.: _____

Batch Number: 151656 Batch Start Date: 01/21/20 16:07 Batch Analyst: Pham, Vu TBatch Method: TO-15 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialPressure	FinalPressure	InitialAmount	FinalAmount	ATTO15CAL1w 00212	ATTO15CAL2w 00286
BFB 200-151656/1		TO-15		1	1	200 mL	200 mL		
IC 200-151656/4		TO-15		1	1	200 mL	200 mL	35 mL	
IC 200-151656/5		TO-15		1	1	200 mL	200 mL	180 mL	
IC 200-151656/6		TO-15		1	1	200 mL	200 mL		180 mL
IC 200-151656/7		TO-15		1	1	200 mL	200 mL		
ICIS 200-151656/8		TO-15		1	1	200 mL	200 mL		
IC 200-151656/9		TO-15		1	1	200 mL	200 mL		
IC 200-151656/12		TO-15		1	1	200 mL	200 mL		
IC 200-151656/16		TO-15		1	1	200 mL	200 mL		
ICV 200-151656/17		TO-15		1	1	200 mL	200 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATTO15CAL3w 00219	ATTO15CAL4w 00735	ATTO15CAL5w 00090	ATTO15CAL6w 00172	ATTO15CAL7w 00091	ATTO15LCSW 00798
BFB 200-151656/1		TO-15							
IC 200-151656/4		TO-15							
IC 200-151656/5		TO-15							
IC 200-151656/6		TO-15							
IC 200-151656/7		TO-15		180 mL					
ICIS 200-151656/8		TO-15			200 mL				
IC 200-151656/9		TO-15				200 mL			
IC 200-151656/12		TO-15					200 mL		
IC 200-151656/16		TO-15						200 mL	
ICV 200-151656/17		TO-15							200 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATTO15XIss 00002					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Burlingt Job No.: 200-52685-1

SDG No.: _____

Batch Number: 151656 Batch Start Date: 01/21/20 16:07 Batch Analyst: Pham, Vu TBatch Method: TO-15 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATT015XISS 00002					
BFB 200-151656/1		TO-15		20 mL					
IC 200-151656/4		TO-15		20 mL					
IC 200-151656/5		TO-15		20 mL					
IC 200-151656/6		TO-15		20 mL					
IC 200-151656/7		TO-15		20 mL					
ICIS 200-151656/8		TO-15		20 mL					
IC 200-151656/9		TO-15		20 mL					
IC 200-151656/12		TO-15		20 mL					
IC 200-151656/16		TO-15		20 mL					
ICV 200-151656/17		TO-15		20 mL					

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Burlingt Job No.: 200-52685-1

SDG No.: _____

Batch Number: 152505 Batch Start Date: 02/18/20 15:22 Batch Analyst: Bourdeau, Timothy P

Batch Method: TO-15 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialPressure	FinalPressure	InitialAmount	FinalAmount	ATTO15CAL1w 00215	ATTO15CAL2w 00289
BFB 200-152505/1		TO-15		1	1	200 mL	200 mL		
IC 200-152505/4		TO-15		1	1	200 mL	200 mL	35 mL	
IC 200-152505/5		TO-15		1	1	200 mL	200 mL	180 mL	
IC 200-152505/6		TO-15		1	1	200 mL	200 mL		180 mL
IC 200-152505/7		TO-15		1	1	200 mL	200 mL		
ICIS 200-152505/8		TO-15		1	1	200 mL	200 mL		
IC 200-152505/9		TO-15		1	1	200 mL	200 mL		
IC 200-152505/12		TO-15		1	1	200 mL	200 mL		
IC 200-152505/13		TO-15		1	1	200 mL	200 mL		
ICV 200-152505/17		TO-15		1	1	200 mL	200 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATTO15CAL3w 00221	ATTO15CAL4w 00739	ATTO15CAL5w 00092	ATTO15CAL6w 00174	ATTO15CAL7w 00093	ATTO15CISs 00010
BFB 200-152505/1		TO-15							40 mL
IC 200-152505/4		TO-15							40 mL
IC 200-152505/5		TO-15							40 mL
IC 200-152505/6		TO-15							40 mL
IC 200-152505/7		TO-15		180 mL					40 mL
ICIS 200-152505/8		TO-15			200 mL				40 mL
IC 200-152505/9		TO-15				200 mL			40 mL
IC 200-152505/12		TO-15					200 mL		40 mL
IC 200-152505/13		TO-15						200 mL	40 mL
ICV 200-152505/17		TO-15							40 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATTO15LCSW 00804					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Burlingt Job No.: 200-52685-1

SDG No.: _____

Batch Number: 152505 Batch Start Date: 02/18/20 15:22 Batch Analyst: Bourdeau, Timothy PBatch Method: TO-15 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATTO15LCSW 00804					
BFB 200-152505/1		TO-15							
IC 200-152505/4		TO-15							
IC 200-152505/5		TO-15							
IC 200-152505/6		TO-15							
IC 200-152505/7		TO-15							
ICIS 200-152505/8		TO-15							
IC 200-152505/9		TO-15							
IC 200-152505/12		TO-15							
IC 200-152505/13		TO-15							
ICV 200-152505/17		TO-15		200 mL					

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

TO-15

Page 2 of 2

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Burlingt Job No.: 200-52685-1

SDG No.: _____

Batch Number: 152580 Batch Start Date: 02/20/20 10:33 Batch Analyst: Bunma, Arthit 1Batch Method: TO-15 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialPressure	FinalPressure	InitialAmount	FinalAmount	ATTO15CAL4w 00739	ATTO15CISS 00010
BFB 200-152580/1		TO-15		1	1	200 mL	200 mL		40 mL
CCVIS 200-152580/2		TO-15		1	1	200 mL	200 mL	200 mL	40 mL
LCS 200-152580/3		TO-15		1	1	200 mL	200 mL		40 mL
MB 200-152580/4		TO-15		1	1	200 mL	200 mL		40 mL
200-52685-A-2	IA-04-021420	TO-15	T	1	1	200 mL	200 mL		40 mL
200-52685-A-1	SS-SV-04-021420	TO-15	T	1	1	200 mL	200 mL		40 mL
200-52685-A-1	SS-SV-04-021420	TO-15	T	1	1	67 mL	200 mL		40 mL
200-52685-A-3	SS-SV-06-021420	TO-15	T	1	1	200 mL	200 mL		40 mL
200-52685-A-4	IA-06-021420	TO-15	T	1	1	200 mL	200 mL		40 mL
200-52685-A-6	IA-05-021420	TO-15	T	1	1	200 mL	200 mL		40 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATTO15LCSW 00804					
BFB 200-152580/1		TO-15							
CCVIS 200-152580/2		TO-15							
LCS 200-152580/3		TO-15		200 mL					
MB 200-152580/4		TO-15							
200-52685-A-2	IA-04-021420	TO-15	T						
200-52685-A-1	SS-SV-04-021420	TO-15	T						
200-52685-A-1	SS-SV-04-021420	TO-15	T						
200-52685-A-3	SS-SV-06-021420	TO-15	T						
200-52685-A-4	IA-06-021420	TO-15	T						
200-52685-A-6	IA-05-021420	TO-15	T						

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Burlingt Job No.: 200-52685-1

SDG No.: _____

Batch Number: 152580 Batch Start Date: 02/20/20 10:33 Batch Analyst: Bunma, Arthit 1Batch Method: TO-15 Batch End Date: _____

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Burlingt Job No.: 200-52685-1

SDG No.: _____

Batch Number: 152597 Batch Start Date: 02/21/20 07:20 Batch Analyst: Puangmalee, Kesanee 1Batch Method: TO-15 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialPressure	FinalPressure	InitialAmount	FinalAmount	ATTO15CAL4w 00739	ATTO15LCSW 00804
BFB 200-152597/1		TO-15		1	1	200 mL	200 mL		
CCVIS 200-152597/2		TO-15		1	1	200 mL	200 mL	200 mL	
LCS 200-152597/3		TO-15		1	1	200 mL	200 mL		200 mL
MB 200-152597/4		TO-15		1	1	200 mL	200 mL		
200-52685-A-9	IA-07-021420	TO-15	T	1	1	200 mL	200 mL		
200-52685-A-10	AA-03-021420	TO-15	T	1	1	200 mL	200 mL		
200-52685-A-5	SS-SV-05-021420	TO-15	T	1	1	200 mL	200 mL		
200-52685-A-5	SS-SV-05-021420	TO-15	T	1	1	10 mL	200 mL		
200-52685-A-8	SS-SV-07-021420	TO-15	T	1	1	200 mL	200 mL		
200-52685-A-7	SV-DUP-021420	TO-15	T	1	1	200 mL	200 mL		
200-52685-A-7	SV-DUP-021420	TO-15	T	1	1	10 mL	200 mL		
200-52685-A-6	IA-05-021420	TO-15	T	1	1	31 mL	200 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATTO15XISS 00002					
BFB 200-152597/1		TO-15		20 mL					
CCVIS 200-152597/2		TO-15		20 mL					
LCS 200-152597/3		TO-15		20 mL					
MB 200-152597/4		TO-15		20 mL					
200-52685-A-9	IA-07-021420	TO-15	T	20 mL					
200-52685-A-10	AA-03-021420	TO-15	T	20 mL					
200-52685-A-5	SS-SV-05-021420	TO-15	T	20 mL					
200-52685-A-5	SS-SV-05-021420	TO-15	T	20 mL					
200-52685-A-8	SS-SV-07-021420	TO-15	T	20 mL					
200-52685-A-7	SV-DUP-021420	TO-15	T	20 mL					
200-52685-A-7	SV-DUP-021420	TO-15	T	20 mL					
200-52685-A-6	IA-05-021420	TO-15	T	20 mL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

TO-15

Page 1 of 2

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Burlingt Job No.: 200-52685-1

SDG No.: _____

Batch Number: 152597 Batch Start Date: 02/21/20 07:20 Batch Analyst: Puangmalee, Kesanee 1Batch Method: TO-15 Batch End Date: _____

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

[illegible]

⁴ Record the Flow Controller Set Flow Rate Logbook ID and Page number in which the original FC Check was recorded

Canister Cleaning & Pre-Shipment Leak Test

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.
³ Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

³ Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

PM Authorization

Date:

Clean Canister Certification Analysis & Authorization of Release to Inventory

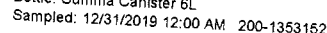
Inventory Level	Comments
Inventory Level 1: Individual Canister Certification (TO15LL 0.01).	
Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).	
Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).	
Inventory Level Limited: Canisters may only be used for certain projects.	

Dup Tees/Vac gauges (enter IDs if included):

Form ID: FAI023:12

Revision Date: 12/18/2018

TestAmerica Burlington



A

Canister Cleaning & Pre-Shipment Leak Test

Test Method: ☒ TO15 Routine ☐ TO15 LL	Inventory Level	Secondary Review

Loc: 200
52071
#7
A

[illegible]

Form ID: FAI023:12
Revision Date: 12/18/2018

TestAmerica Burlington

Canister Cleaning & Pre-Shipment Leak Test

Clean Canister Certification Analysis & Authorization of Release to Inventory

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).	Comments:
Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).	
Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).	
Inventory Level Limited: Canisters may only be used for certain projects.	
Dup Tees/Vac gauges (enter IDs if included):	

A

200-1353389

Revision Date: 12/18/2018

TestAmerica Burlington

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52059-1
SDG No.: _____
Matrix: Air Level: Low Lab File ID: 39464-04.D
Lab ID: LCS 200-151200/4 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	18.7	187	50-158	*
Dichlorodifluoromethane	10.0	14.1	141	61-142	
Freon 22	10.0	15.6	156	60-147	*
1,2-Dichlorotetrafluoroethane	10.0	11.1	111	71-141	
Chloromethane	10.0	14.6	146	56-141	*
n-Butane	10.0	18.4	184	53-151	*
Vinyl chloride	10.0	13.0	130	61-135	
1,3-Butadiene	10.0	12.9	129	58-139	
Bromomethane	10.0	11.2	112	72-124	
Chloroethane	10.0	11.8	118	68-130	
Bromoethene (Vinyl Bromide)	10.0	10.6	106	75-125	
Trichlorofluoromethane	10.0	12.5	125	70-129	
Ethanol	15.0	20.4	136	50-150	
Freon TF	10.0	10.1	101	70-121	
1,1-Dichloroethene	10.0	9.15	91	68-120	
Acetone	10.0	14.2	142	54-154	
Isopropyl alcohol	10.0	14.3	143	53-142	*
Carbon disulfide	10.0	10.5	105	71-138	
3-Chloropropene	10.0	11.6	116	50-150	
Methylene Chloride	10.0	11.9	119	59-137	
tert-Butyl alcohol	10.0	12.2	122	66-132	
Methyl tert-butyl ether	10.0	10.6	106	70-127	
trans-1,2-Dichloroethene	10.0	10.9	109	69-137	
n-Hexane	10.0	10.4	104	63-138	
1,1-Dichloroethane	10.0	10.5	105	66-130	
Vinyl acetate	10.0	12.7	127	59-149	
Ethyl acetate	10.0	10.2	102	70-131	
Methyl Ethyl Ketone	10.0	10.7	107	72-124	
cis-1,2-Dichloroethene	10.0	9.61	96	72-121	
Chloroform	10.0	11.3	113	73-124	
Tetrahydrofuran	10.0	11.2	112	60-149	
1,1,1-Trichloroethane	10.0	10.1	101	72-127	
Cyclohexane	10.0	9.46	95	76-124	
Carbon tetrachloride	10.0	10.1	101	71-133	
2,2,4-Trimethylpentane	10.0	10.6	106	68-131	
Benzene	10.0	9.69	97	73-119	
1,2-Dichloroethane	10.0	11.5	115	68-135	
n-Heptane	10.0	11.8	118	60-142	
Trichloroethene	10.0	9.50	95	73-122	
Methyl methacrylate	10.0	10.7	107	73-129	
1,2-Dichloropropane	10.0	10.5	105	69-128	
1,4-Dioxane	10.0	12.0	120	66-129	

Column to be used to flag recovery and RPD values

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52059-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 39464-04.D
 Lab ID: LCS 200-151200/4 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	10.6	106	75-127	
cis-1,3-Dichloropropene	10.0	10.7	107	74-125	
methyl isobutyl ketone	10.0	11.7	117	58-144	
Toluene	10.0	9.54	95	75-122	
trans-1,3-Dichloropropene	10.0	10.9	109	74-128	
1,1,2-Trichloroethane	10.0	10.0	100	75-126	
Tetrachloroethene	10.0	8.34	83	70-125	
Methyl Butyl Ketone (2-Hexanone)	10.0	11.3	113	57-143	
Dibromochloromethane	10.0	10.0	100	73-125	
1,2-Dibromoethane	10.0	9.82	98	78-122	
Chlorobenzene	10.0	9.65	96	76-119	
Ethylbenzene	10.0	9.69	97	74-122	
m,p-Xylene	20.0	18.5	93	76-121	
Xylene, o-	10.0	9.59	96	73-123	
Styrene	10.0	9.70	97	74-125	
Bromoform	10.0	9.97	100	53-149	
Cumene	10.0	9.50	95	73-123	
1,1,2,2-Tetrachloroethane	10.0	10.2	102	74-126	
n-Propylbenzene	10.0	9.85	99	73-127	
4-Ethyltoluene	10.0	9.44	94	75-129	
1,3,5-Trimethylbenzene	10.0	9.55	95	72-126	
2-Chlorotoluene	10.0	9.72	97	74-126	
tert-Butylbenzene	10.0	9.47	95	71-125	
1,2,4-Trimethylbenzene	10.0	9.67	97	71-129	
sec-Butylbenzene	10.0	9.83	98	70-128	
4-Isopropyltoluene	10.0	9.53	95	68-130	
1,3-Dichlorobenzene	10.0	8.96	90	69-131	
1,4-Dichlorobenzene	10.0	9.16	92	67-132	
Benzyl chloride	10.0	9.38	94	60-136	
n-Butylbenzene	10.0	10.1	101	65-137	
1,2-Dichlorobenzene	10.0	9.20	92	68-129	
1,2,4-Trichlorobenzene	10.0	8.95	89	50-150	
Hexachlorobutadiene	10.0	9.22	92	58-130	
Naphthalene	10.0	8.93	89	50-150	

Column to be used to flag recovery and RPD values

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52071-1
SDG No.: _____
Matrix: Air Level: Low Lab File ID: 39532-06.D
Lab ID: LCS 200-151371/6 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	14.5	145	50-158	
Dichlorodifluoromethane	10.6	16.0	151	61-142	*
Freon 22	10.6	14.9	141	60-147	
1,2-Dichlorotetrafluoroethane	10.6	15.7	148	71-141	*
Chloromethane	10.0	13.0	130	56-141	
n-Butane	10.0	9.47	95	53-151	
Vinyl chloride	10.0	8.93	89	61-135	
1,3-Butadiene	10.0	9.11	91	58-139	
Bromomethane	10.0	13.3	133	72-124	*
Chloroethane	10.6	11.9	112	68-130	
Bromoethene (Vinyl Bromide)	10.0	12.3	123	75-125	
Trichlorofluoromethane	10.0	13.5	135	70-129	*
Ethanol	15.0	13.3	89	50-150	
Freon TF	10.7	11.5	107	70-121	
1,1-Dichloroethene	10.0	9.19	92	68-120	
Acetone	10.0	11.8	118	54-154	
Isopropyl alcohol	10.0	10.3	103	53-142	
Carbon disulfide	10.0	9.70	97	71-138	
3-Chloropropene	10.7	8.01	75	50-150	
Methylene Chloride	10.0	9.61	96	59-137	
tert-Butyl alcohol	10.8	10.6	98	66-132	
Methyl tert-butyl ether	10.6	10.2	97	70-127	
trans-1,2-Dichloroethene	10.0	9.18	92	69-137	
n-Hexane	10.0	8.66	87	63-138	
1,1-Dichloroethane	10.0	8.55	86	66-130	
Vinyl acetate	10.0	9.53	95	59-149	
Ethyl acetate	10.0	9.20	92	70-131	
Methyl Ethyl Ketone	10.0	9.10	91	72-124	
cis-1,2-Dichloroethene	10.0	8.43	84	72-121	
Chloroform	10.0	9.91	99	73-124	
Tetrahydrofuran	10.0	9.45	95	60-149	
1,1,1-Trichloroethane	10.0	11.2	112	72-127	
Cyclohexane	10.0	9.13	91	76-124	
Carbon tetrachloride	10.0	11.5	115	71-133	
2,2,4-Trimethylpentane	10.0	9.02	90	68-131	
Benzene	10.0	8.89	89	73-119	
1,2-Dichloroethane	10.0	10.5	105	68-135	
n-Heptane	10.0	9.66	97	60-142	
Trichloroethene	10.0	9.22	92	73-122	
Methyl methacrylate	10.0	9.49	95	73-129	
1,2-Dichloropropane	10.0	8.75	88	69-128	
1,4-Dioxane	10.0	9.28	93	66-129	

Column to be used to flag recovery and RPD values

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52071-1
SDG No.: _____
Matrix: Air Level: Low Lab File ID: 39532-06.D
Lab ID: LCS 200-151371/6 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	10.7	107	75-127	
cis-1,3-Dichloropropene	10.0	9.60	96	74-125	
methyl isobutyl ketone	10.0	10.4	104	58-144	
Toluene	10.0	8.80	88	75-122	
trans-1,3-Dichloropropene	10.0	10.4	104	74-128	
1,1,2-Trichloroethane	10.0	8.83	88	75-126	
Tetrachloroethene	10.0	10.2	102	70-125	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.99	100	57-143	
Dibromochloromethane	10.6	12.0	113	73-125	
1,2-Dibromoethane	10.7	10.8	101	78-122	
Chlorobenzene	10.5	10.1	96	76-119	
Ethylbenzene	10.0	9.86	99	74-122	
m,p-Xylene	20.0	19.5	98	76-121	
Xylene, o-	10.0	9.90	99	73-123	
Styrene	10.0	10.7	108	74-125	
Bromoform	10.0	12.7	127	53-149	
Cumene	10.0	10.5	105	73-123	
1,1,2,2-Tetrachloroethane	10.0	9.26	93	74-126	
n-Propylbenzene	10.0	10.3	103	73-127	
4-Ethyltoluene	10.0	10.4	104	75-129	
1,3,5-Trimethylbenzene	10.0	10.6	106	72-126	
2-Chlorotoluene	10.0	10.3	103	74-126	
tert-Butylbenzene	10.0	10.6	106	71-125	
1,2,4-Trimethylbenzene	10.0	10.6	106	71-129	
sec-Butylbenzene	10.0	10.3	103	70-128	
4-Isopropyltoluene	10.5	11.4	109	68-130	
1,3-Dichlorobenzene	10.0	11.0	110	69-131	
1,4-Dichlorobenzene	10.0	11.2	112	67-132	
Benzyl chloride	10.0	10.9	109	60-136	
n-Butylbenzene	10.5	11.0	104	65-137	
1,2-Dichlorobenzene	10.8	11.9	111	68-129	
1,2,4-Trichlorobenzene	11.0	12.8	117	50-150	
Hexachlorobutadiene	10.8	14.4	133	58-130	*
Naphthalene	10.5	10.5	100	50-150	

Column to be used to flag recovery and RPD values

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52091-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 39532-06.D
 Lab ID: LCS 200-151371/6 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	14.5	145	50-158	
Dichlorodifluoromethane	10.6	16.0	151	61-142	*
Freon 22	10.6	14.9	141	60-147	
1,2-Dichlorotetrafluoroethane	10.6	15.7	148	71-141	*
Chloromethane	10.0	13.0	130	56-141	
n-Butane	10.0	9.47	95	53-151	
Vinyl chloride	10.0	8.93	89	61-135	
1,3-Butadiene	10.0	9.11	91	58-139	
Bromomethane	10.0	13.3	133	72-124	*
Chloroethane	10.6	11.9	112	68-130	
Bromoethene (Vinyl Bromide)	10.0	12.3	123	75-125	
Trichlorofluoromethane	10.0	13.5	135	70-129	*
Ethanol	15.0	13.3	89	50-150	
Freon TF	10.7	11.5	107	70-121	
1,1-Dichloroethene	10.0	9.19	92	68-120	
Acetone	10.0	11.8	118	54-154	
Isopropyl alcohol	10.0	10.3	103	53-142	
Carbon disulfide	10.0	9.70	97	71-138	
3-Chloropropene	10.7	8.01	75	50-150	
Methylene Chloride	10.0	9.61	96	59-137	
tert-Butyl alcohol	10.8	10.6	98	66-132	
Methyl tert-butyl ether	10.6	10.2	97	70-127	
trans-1,2-Dichloroethene	10.0	9.18	92	69-137	
n-Hexane	10.0	8.66	87	63-138	
1,1-Dichloroethane	10.0	8.55	86	66-130	
Vinyl acetate	10.0	9.53	95	59-149	
Ethyl acetate	10.0	9.20	92	70-131	
Methyl Ethyl Ketone	10.0	9.10	91	72-124	
cis-1,2-Dichloroethene	10.0	8.43	84	72-121	
Chloroform	10.0	9.91	99	73-124	
Tetrahydrofuran	10.0	9.45	95	60-149	
1,1,1-Trichloroethane	10.0	11.2	112	72-127	
Cyclohexane	10.0	9.13	91	76-124	
Carbon tetrachloride	10.0	11.5	115	71-133	
2,2,4-Trimethylpentane	10.0	9.02	90	68-131	
Benzene	10.0	8.89	89	73-119	
1,2-Dichloroethane	10.0	10.5	105	68-135	
n-Heptane	10.0	9.66	97	60-142	
Trichloroethene	10.0	9.22	92	73-122	
Methyl methacrylate	10.0	9.49	95	73-129	
1,2-Dichloropropane	10.0	8.75	88	69-128	
1,4-Dioxane	10.0	9.28	93	66-129	

Column to be used to flag recovery and RPD values

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52091-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 39532-06.D
 Lab ID: LCS 200-151371/6 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	10.7	107	75-127	
cis-1,3-Dichloropropene	10.0	9.60	96	74-125	
methyl isobutyl ketone	10.0	10.4	104	58-144	
Toluene	10.0	8.80	88	75-122	
trans-1,3-Dichloropropene	10.0	10.4	104	74-128	
1,1,2-Trichloroethane	10.0	8.83	88	75-126	
Tetrachloroethene	10.0	10.2	102	70-125	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.99	100	57-143	
Dibromochloromethane	10.6	12.0	113	73-125	
1,2-Dibromoethane	10.7	10.8	101	78-122	
Chlorobenzene	10.5	10.1	96	76-119	
Ethylbenzene	10.0	9.86	99	74-122	
m,p-Xylene	20.0	19.5	98	76-121	
Xylene, o-	10.0	9.90	99	73-123	
Styrene	10.0	10.7	108	74-125	
Bromoform	10.0	12.7	127	53-149	
Cumene	10.0	10.5	105	73-123	
1,1,2,2-Tetrachloroethane	10.0	9.26	93	74-126	
n-Propylbenzene	10.0	10.3	103	73-127	
4-Ethyltoluene	10.0	10.4	104	75-129	
1,3,5-Trimethylbenzene	10.0	10.6	106	72-126	
2-Chlorotoluene	10.0	10.3	103	74-126	
tert-Butylbenzene	10.0	10.6	106	71-125	
1,2,4-Trimethylbenzene	10.0	10.6	106	71-129	
sec-Butylbenzene	10.0	10.3	103	70-128	
4-Isopropyltoluene	10.5	11.4	109	68-130	
1,3-Dichlorobenzene	10.0	11.0	110	69-131	
1,4-Dichlorobenzene	10.0	11.2	112	67-132	
Benzyl chloride	10.0	10.9	109	60-136	
n-Butylbenzene	10.5	11.0	104	65-137	
1,2-Dichlorobenzene	10.8	11.9	111	68-129	
1,2,4-Trichlorobenzene	11.0	12.8	117	50-150	
Hexachlorobutadiene	10.8	14.4	133	58-130	*
Naphthalene	10.5	10.5	100	50-150	

Column to be used to flag recovery and RPD values

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52059-1
SDG No.: _____
Lab File ID: 39464-05.D Lab Sample ID: MB 200-151200/5
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHC.i Date Analyzed: 01/06/2020 11:09
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 200-151200/4	39464-04.D	01/06/2020 10:16
4794	200-52059-6	39464-22.D	01/07/2020 02:52

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52059-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-151200/5

Matrix: Air Lab File ID: 39464-05.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 01/06/2020 11:09

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.: 151200 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	0.40	U	0.40	0.40
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: Eurofins TestAmerica, Burlington Job No.: 200-52059-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-151200/5
 Matrix: Air Lab File ID: 39464-05.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/06/2020 11:09
 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.: 151200 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)	0.70	U	0.70	0.70
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: Eurofins TestAmerica, Burlington Job No.: 200-52059-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 200-151200/5
Matrix: Air Lab File ID: 39464-05.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 01/06/2020 11:09
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.: 151200 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

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHC.i\20200106-39464.b\39464-05.D

Lims ID: MB

Client ID:

Sample Type: MB

Inject. Date: 06-Jan-2020 11:09:30

ALS Bottle#:

4

Worklist Smp#:

5

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Sample Info: 200-0039464-005

Misc. Info.: mb

Operator ID: ggg

Instrument ID:

CHC.i

Method: \\chromna\Burlington\ChromData\CHC.i\20200106-39464.b\TO15_MasterMethod_(v1)_CHC.i.m

Limit Group: AI_TO15_ICAL

Last Update: 06-Jan-2020 14:15:15

Calib Date:

22-Nov-2019 09:59:30

Integrator: RTE

ID Type:

Deconvolution ID

Quant Method: Internal Standard

Quant By:

Initial Calibration

Last ICal File: \\chromna\Burlington\ChromData\CHC.i\20191121-38912.b\38912-22.D

Column 1 : RTX-624 (0.32 mm)

Det: MS SCAN

Process Host: CTX0330

First Level Reviewer: bourdeaut

Date:

06-Jan-2020 12:28:06

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		2.935					ND	U
2 Dichlorodifluoromethane	85		2.999					ND	
3 Chlorodifluoromethane	51		3.042					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.250					ND	
5 Chloromethane	50		3.368					ND	
6 Butane	43		3.565					ND	
7 Vinyl chloride	62		3.597					ND	
8 Butadiene	54		3.672					ND	
10 Bromomethane	94		4.307					ND	
11 Chloroethane	64		4.536					ND	
12 2-Methylbutane	43		4.633					ND	
13 Vinyl bromide	106		4.915					ND	
14 Trichlorofluoromethane	101		5.027					ND	
16 Pentane	43		5.177					ND	
17 Ethanol	45		5.599					ND	
18 Ethyl ether	59		5.689					ND	
19 Acrolein	56		6.020					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		6.100					ND	
21 1,1-Dichloroethene	96		6.116					ND	
22 Acetone	43		6.330					ND	
23 Carbon disulfide	76		6.484					ND	
24 Isopropyl alcohol	45		6.671					ND	
25 3-Chloro-1-propene	41		6.885					ND	
26 Acetonitrile	41		6.970					ND	
27 Methylene Chloride	49		7.173					ND	
28 2-Methyl-2-propanol	59		7.440					ND	
29 Methyl tert-butyl ether	73		7.611					ND	
31 trans-1,2-Dichloroethene	61		7.627					ND	
32 Acrylonitrile	53		7.728					ND	
33 Hexane	57		8.043					ND	
34 1,1-Dichloroethane	63		8.475					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43		8.571					ND	
37 cis-1,2-Dichloroethene	96		9.580					ND	
38 2-Butanone (MEK)	72		9.628					ND	
39 Ethyl acetate	88		9.697					ND	
* 40 Chlorobromomethane	128	10.028	10.028	0.000	100	406268	20.0	20.0	
41 Tetrahydrofuran	42		10.071					ND	
42 Chloroform	83		10.178					ND	
S 30 1,2-Dichloroethene, Total	61		10.200					ND	
43 Cyclohexane	84		10.444					ND	
44 1,1,1-Trichloroethane	97		10.450					ND	
45 Carbon tetrachloride	117		10.706					ND	
47 Benzene	78		11.154					ND	
46 Isooctane	57		11.176					ND	
48 1,2-Dichloroethane	62		11.320					ND	
49 n-Heptane	43		11.581					ND	
* 50 1,4-Difluorobenzene	114	12.008	12.008	0.000	94	2389857	20.0	20.0	
52 n-Butanol	56		12.456					ND	
53 Trichloroethene	95		12.478					ND	
A 51 GRO	1	12.859	(4.623-21.102)		0	3851945		0	
54 1,2-Dichloropropane	63		13.001					ND	
55 Methyl methacrylate	69		13.220					ND	
57 Dibromomethane	174		13.257					ND	
56 1,4-Dioxane	88		13.262					ND	
58 Dichlorobromomethane	83		13.577					ND	
60 cis-1,3-Dichloropropene	75		14.538					ND	
A 59 TVOC as Toluene	1	14.556	(2.925-26.188)		0	3916862		0	
61 4-Methyl-2-pentanone (MIBK)	43		14.837					ND	
65 Toluene	92		15.136					ND	
64 n-Octane	43		15.264					ND	
66 trans-1,3-Dichloropropene	75		15.739					ND	
67 1,1,2-Trichloroethane	83		16.107					ND	
68 Tetrachloroethene	166		16.246					ND	
69 2-Hexanone	43		16.577					ND	
71 Chlorodibromomethane	129		16.870					ND	
72 Ethylene Dibromide	107		17.126					ND	
* 74 Chlorobenzene-d5	117	18.044	18.044	0.000	85	2062299	20.0	20.0	
75 Chlorobenzene	112		18.108					ND	
76 Ethylbenzene	91		18.274					ND	
77 n-Nonane	57		18.460					ND	
78 m-Xylene & p-Xylene	106		18.525					ND	
79 o-Xylene	106		19.362					ND	
80 Styrene	104		19.410					ND	
81 Bromoform	173		19.837					ND	
82 Isopropylbenzene	105		20.094					ND	
S 73 Xylenes, Total	106		20.100					ND	
84 1,1,2,2-Tetrachloroethane	83		20.771					ND	
85 N-Propylbenzene	91		20.862					ND	
86 1,2,3-Trichloropropane	75		20.862					ND	
89 2-Chlorotoluene	91		21.060					ND	
88 4-Ethyltoluene	105		21.060					ND	
87 n-Decane	57		21.092					ND	
90 1,3,5-Trimethylbenzene	105		21.177					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 Alpha Methyl Styrene	118		21.556					ND	
92 tert-Butylbenzene	119		21.684					ND	
93 1,2,4-Trimethylbenzene	105	21.796	21.796	0.000	1	1087		0.008038	
94 sec-Butylbenzene	105		22.020					ND	
95 4-Isopropyltoluene	119		22.234					ND	
96 1,3-Dichlorobenzene	146	22.399	22.399	0.000	88	2034		0.0195	
97 1,4-Dichlorobenzene	146		22.388					ND	
98 Benzyl chloride	91	22.581	22.581	0.000	1	1529		0.0126	
100 n-Butylbenzene	91		22.805					ND	
99 Undecane	57		22.863					ND	
101 1,2-Dichlorobenzene	146	22.911	22.911	0.000	89	1133		0.0117	
102 Dodecane	57		24.384					ND	
103 1,2,4-Trichlorobenzene	180	25.292	25.292	0.000	1	4551		0.0668	
104 Hexachlorobutadiene	225	25.500	25.500	0.000	1	1440		0.0200	
105 Naphthalene	128	25.729	25.729	0.000	99	9851		0.0741	
106 1,2,3-Trichlorobenzene	180	26.178	26.178	0.000	92	4108		0.0823	
118 Chlorotrifluoroethene TIC	1		0.000					ND	
119 Difluoroethane TIC	1		0.000					ND	
120 Total Alkanes TIC	1		0.000					ND	
121 Freon 115 TIC	1		0.000					ND	
122 1,1,1-Trifluoro-2,2-dichlo	1		0.000					ND	
123 Methylcyclohexane	83		0.000					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200106-39464.b\39464-05.D

Injection Date: 06-Jan-2020 11:09:30

Instrument ID: CHC.i

Operator ID: ggg

Lims ID: MB

Worklist Smp#: 5

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

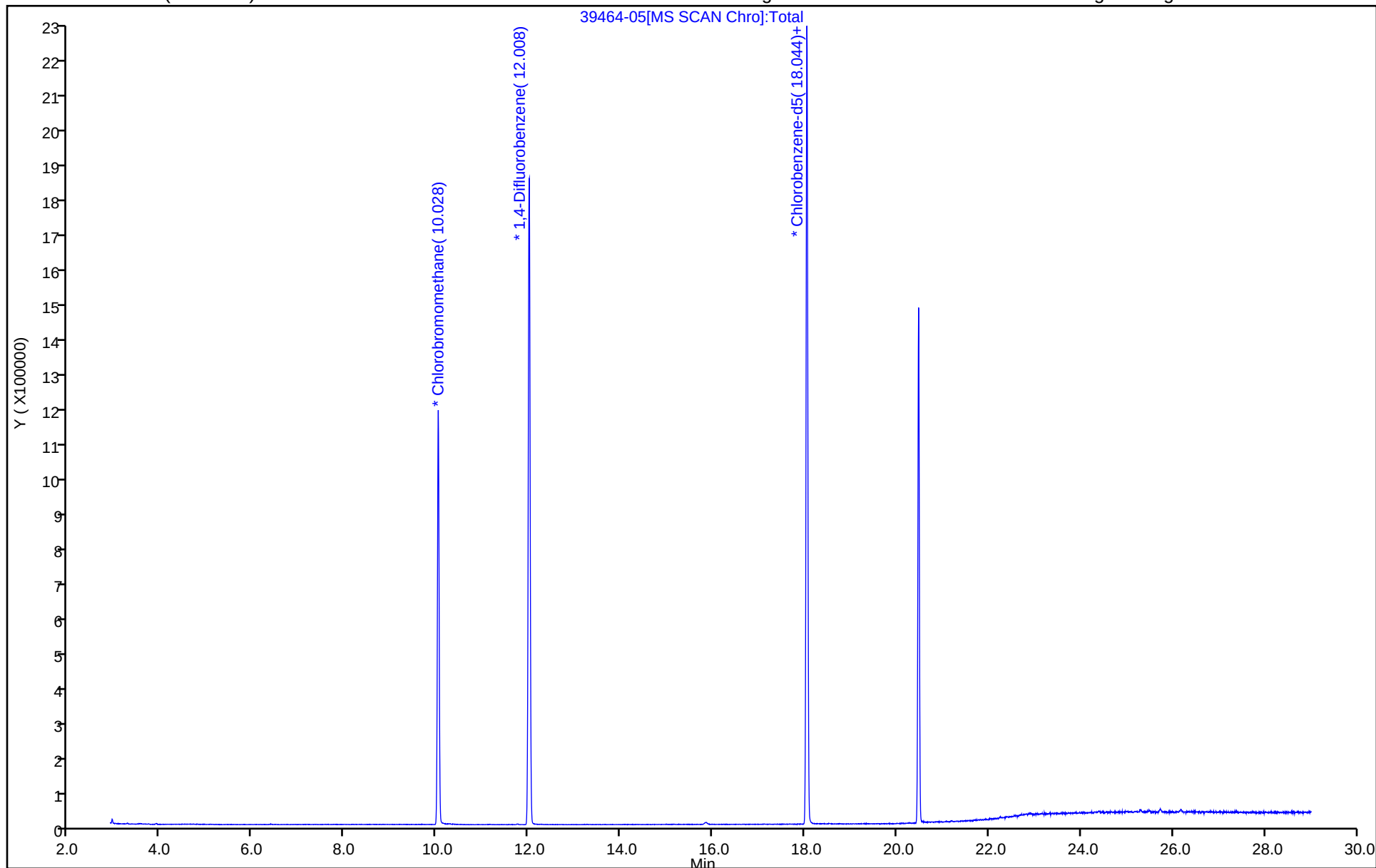
ALS Bottle#: 4

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200106-39464.b\39464-05.D

Injection Date: 06-Jan-2020 11:09:30

Instrument ID: CHC.i

Lims ID: MB

Client ID:

Operator ID: ggg

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

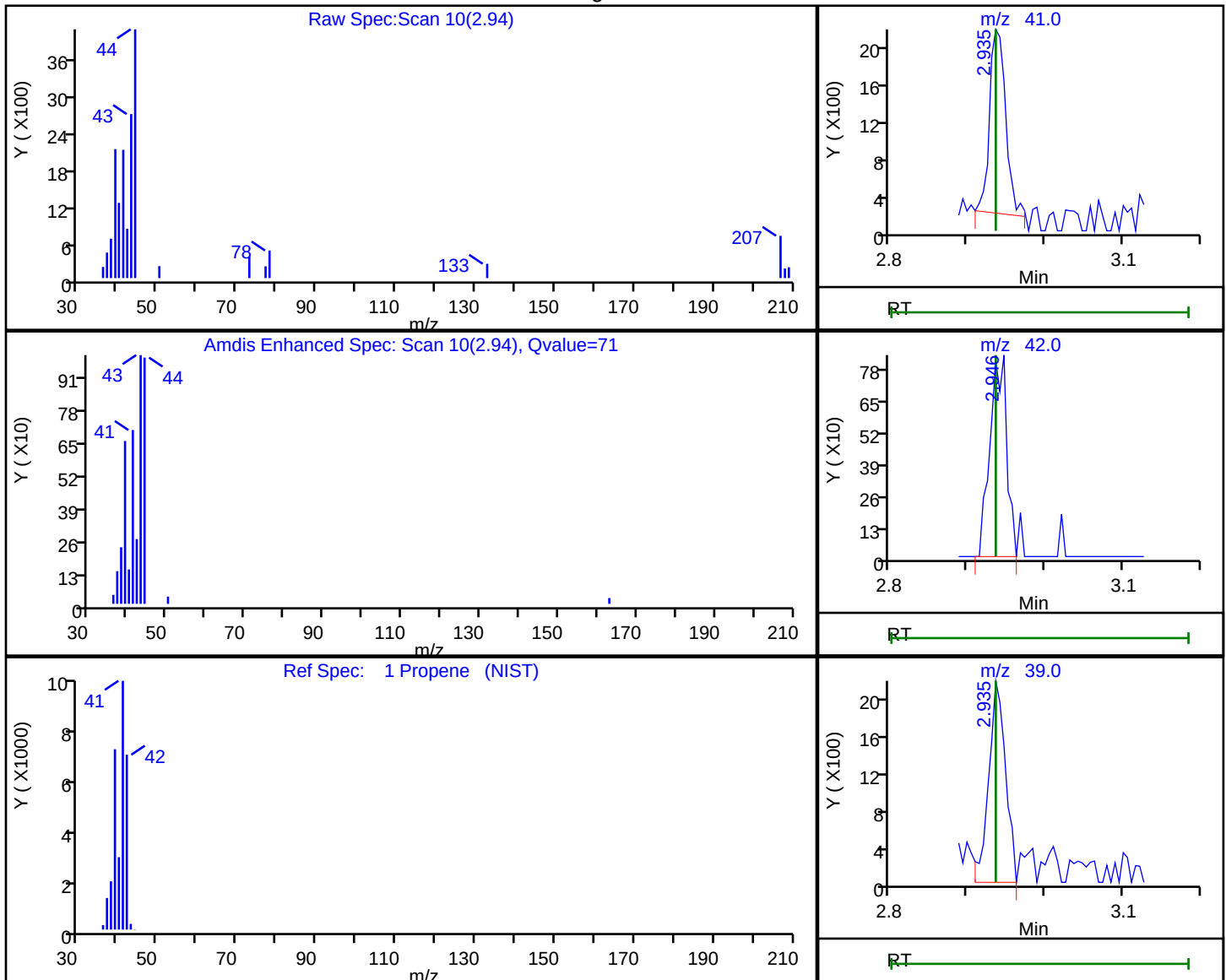
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

1 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
2.94	41.00	2799	0.204358
2.95	42.00	1257	
2.94	39.00	3217	

Reviewer: bourdeaut, 06-Jan-2020 12:27:30

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52071-1
SDG No.: _____
Lab File ID: 39532-05.D Lab Sample ID: MB 200-151371/5
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHX.i Date Analyzed: 01/13/2020 10:19
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 200-151371/6	39532-06.D	01/13/2020 11:09
2596	200-52071-7	39532-14.D	01/13/2020 19:02

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52071-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-151371/5
 Matrix: Air Lab File ID: 39532-05.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/13/2020 10:19
 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.: 151371 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	0.40	U	0.40	0.40
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: Eurofins TestAmerica, Burlington Job No.: 200-52071-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-151371/5
 Matrix: Air Lab File ID: 39532-05.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/13/2020 10:19
 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.: 151371 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)	0.70	U	0.70	0.70
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: Eurofins TestAmerica, Burlington Job No.: 200-52071-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-151371/5
 Matrix: Air Lab File ID: 39532-05.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/13/2020 10:19
 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.: 151371 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

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\39532-05.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 13-Jan-2020 10:19:30 ALS Bottle#: 7 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0039532-005
 Misc. Info.: mb
 Operator ID: wrd Instrument ID: CHX.i
 Method: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 13-Jan-2020 11:19:25 Calib Date: 26-Nov-2019 03:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHX.i\20191125-38970.b\38970-15.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0323

First Level Reviewer: bourdeaut

Date: 13-Jan-2020 11:19:25

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		4.088					ND	
2 Dichlorodifluoromethane	85		4.174					ND	
3 Chlorodifluoromethane	51		4.243					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		4.506					ND	
5 Chloromethane	50		4.693					ND	
6 Butane	43		4.928					ND	
7 Vinyl chloride	62		4.987					ND	
8 Butadiene	54		5.073					ND	
10 Bromomethane	94		5.864					ND	
11 Chloroethane	64		6.116					ND	
12 2-Methylbutane	43		6.185					ND	
13 Vinyl bromide	106		6.533					ND	
14 Trichlorofluoromethane	101		6.629					ND	
16 Pentane	43		6.763					ND	
17 Ethanol	45	7.197	7.197	0.000	96	2503		0.2041	
18 Ethyl ether	59		7.277					ND	
19 Acrolein	56		7.678					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		7.689					ND	
21 1,1-Dichloroethene	96		7.748					ND	
22 Acetone	43		7.967					ND	
23 Carbon disulfide	76		8.149					ND	
24 Isopropyl alcohol	45		8.213					ND	
25 3-Chloro-1-propene	41		8.491					ND	
26 Acetonitrile	41		8.625					ND	
27 Methylene Chloride	49		8.775					ND	
28 2-Methyl-2-propanol	59		8.935					ND	
29 Methyl tert-butyl ether	73		9.128					ND	
31 trans-1,2-Dichloroethene	61		9.181					ND	
32 Acrylonitrile	53		9.320					ND	
33 Hexane	57		9.518					ND	
S 30 1,2-Dichloroethene, Total	61		9.665					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63		10.000					ND	
35 Vinyl acetate	43		10.048					ND	
37 cis-1,2-Dichloroethene	96		11.038					ND	
38 2-Butanone (MEK)	72		11.064					ND	
39 Ethyl acetate	88		11.086					ND	
41 Tetrahydrofuran	42		11.466					ND	
* 40 Chlorobromomethane	128	11.466	11.466	0.000	66	242658	10.0	10.0	
42 Chloroform	83		11.578					ND	
43 Cyclohexane	84		11.808					ND	
44 1,1,1-Trichloroethane	97		11.835					ND	
45 Carbon tetrachloride	117		12.059					ND	
46 Isooctane	57		12.429					ND	
47 Benzene	78		12.482					ND	
48 1,2-Dichloroethane	62		12.648					ND	
49 n-Heptane	43		12.771					ND	
* 50 1,4-Difluorobenzene	114	13.215	13.215	0.000	93	1165460	10.0	10.0	
52 n-Butanol	56		13.541					ND	
53 Trichloroethene	95		13.638					ND	
A 51 GRO	1	13.926	(6.175-21.677)		0	3914597		0	
54 1,2-Dichloropropane	63		14.130					ND	
55 Methyl methacrylate	69		14.253					ND	
56 1,4-Dioxane	88	14.344	14.344	0.000	83	3435		0.1754	
57 Dibromomethane	174		14.365					ND	
58 Dichlorobromomethane	83		14.617					ND	
60 cis-1,3-Dichloropropene	75		15.446					ND	
A 59 TVOC as Toluene	92	15.513	(4.073-26.952)		0	4271795		0	
61 4-Methyl-2-pentanone (MIBK)	43		15.692					ND	
65 Toluene	92		15.981					ND	
64 n-Octane	43		16.007					ND	
66 trans-1,3-Dichloropropene	75		16.537					ND	
67 1,1,2-Trichloroethane	83		16.901					ND	
68 Tetrachloroethene	166		17.003					ND	
69 2-Hexanone	43		17.324					ND	
71 Chlorodibromomethane	129		17.655					ND	
72 Ethylene Dibromide	107	17.917	17.917	0.000	38	643		0.009000	
* 74 Chlorobenzene-d5	117	18.800	18.800	0.000	82	1162466	10.0	10.0	
75 Chlorobenzene	112	18.859	18.859	0.000	76	1585		0.0133	
76 Ethylbenzene	91		18.998					ND	
77 n-Nonane	57		19.110					ND	
78 m-Xylene & p-Xylene	106		19.249					ND	
S 73 Xylenes, Total	106		19.600					ND	
79 o-Xylene	106		20.089					ND	
80 Styrene	104		20.143					ND	
81 Bromoform	173		20.581					ND	
82 Isopropylbenzene	105		20.774					ND	
84 1,1,2,2-Tetrachloroethane	83		21.443					ND	
85 N-Propylbenzene	91		21.502					ND	
86 1,2,3-Trichloropropane	75		21.539					ND	
87 n-Decane	57		21.667					ND	
88 4-Ethyltoluene	105		21.689					ND	
89 2-Chlorotoluene	91		21.700					ND	
90 1,3,5-Trimethylbenzene	105		21.796					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 Alpha Methyl Styrene	118		22.165					ND	
92 tert-Butylbenzene	119		22.283					ND	
93 1,2,4-Trimethylbenzene	105		22.384					ND	
94 sec-Butylbenzene	105		22.614					ND	
95 4-Isopropyltoluene	119		22.812					ND	
96 1,3-Dichlorobenzene	146	22.855	22.855	0.000	93	5065		0.0393	
97 1,4-Dichlorobenzene	146	22.984	22.984	0.000	93	5591		0.0463	
98 Benzyl chloride	91	23.187	23.187	0.000	97	3486		0.0269	
100 n-Butylbenzene	91		23.385					ND	
99 Undecane	57		23.406					ND	
101 1,2-Dichlorobenzene	146	23.519	23.519	0.000	97	5466		0.0452	
102 Dodecane	57		24.974					ND	
103 1,2,4-Trichlorobenzene	180	26.001	26.001	0.000	92	7128		0.0892	
104 Hexachlorobutadiene	225		26.177					ND	
105 Naphthalene	128	26.477	26.477	0.000	96	6320		0.0349	
106 1,2,3-Trichlorobenzene	180	26.942	26.942	0.000	92	5061		0.0602	
122 Total Alkanes TIC	1		0.000					ND	
123 Methylcyclohexane	83		0.000					ND	

Reagents:

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\39532-05.D

Injection Date: 13-Jan-2020 10:19:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: mb

Worklist Smp#: 5

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

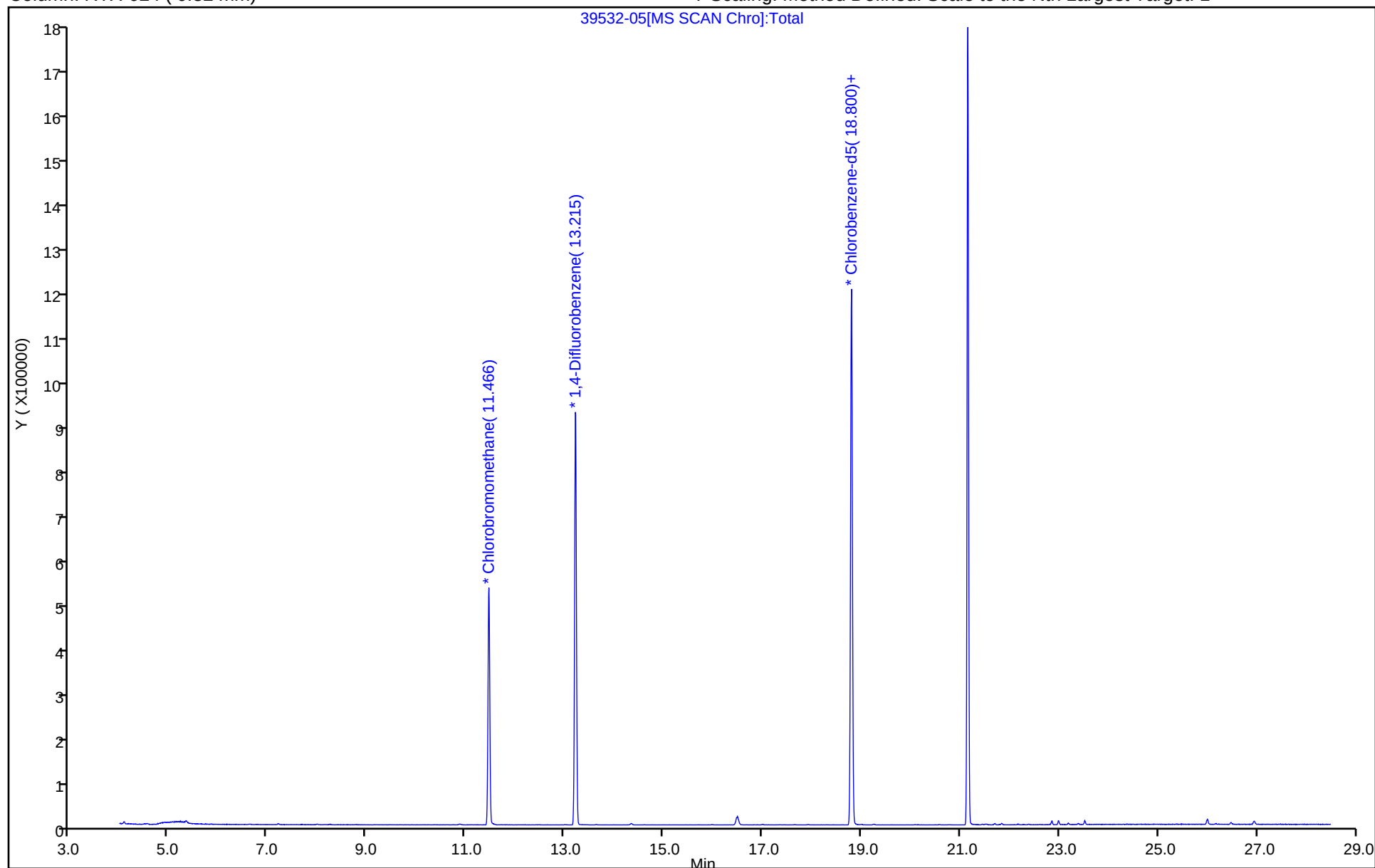
ALS Bottle#: 7

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52091-1
SDG No.: _____
Lab File ID: 39532-05.D Lab Sample ID: MB 200-151371/5
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHX.i Date Analyzed: 01/13/2020 10:19
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 200-151371/6	39532-06.D	01/13/2020 11:09
4542	200-52091-5	39532-12.D	01/13/2020 17:06

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52091-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-151371/5
 Matrix: Air Lab File ID: 39532-05.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/13/2020 10:19
 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.: 151371 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	0.40	U	0.40	0.40
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: Eurofins TestAmerica, Burlington Job No.: 200-52091-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-151371/5
 Matrix: Air Lab File ID: 39532-05.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/13/2020 10:19
 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.: 151371 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)	0.70	U	0.70	0.70
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: Eurofins TestAmerica, Burlington Job No.: 200-52091-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 200-151371/5
Matrix: Air Lab File ID: 39532-05.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 01/13/2020 10:19
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.: 151371 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

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\39532-05.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 13-Jan-2020 10:19:30 ALS Bottle#: 7 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0039532-005
 Misc. Info.: mb
 Operator ID: wrd Instrument ID: CHX.i
 Method: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 13-Jan-2020 11:19:25 Calib Date: 26-Nov-2019 03:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHX.i\20191125-38970.b\38970-15.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0323

First Level Reviewer: bourdeaut

Date: 13-Jan-2020 11:19:25

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		4.088					ND	
2 Dichlorodifluoromethane	85		4.174					ND	
3 Chlorodifluoromethane	51		4.243					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		4.506					ND	
5 Chloromethane	50		4.693					ND	
6 Butane	43		4.928					ND	
7 Vinyl chloride	62		4.987					ND	
8 Butadiene	54		5.073					ND	
10 Bromomethane	94		5.864					ND	
11 Chloroethane	64		6.116					ND	
12 2-Methylbutane	43		6.185					ND	
13 Vinyl bromide	106		6.533					ND	
14 Trichlorofluoromethane	101		6.629					ND	
16 Pentane	43		6.763					ND	
17 Ethanol	45	7.197	7.197	0.000	96	2503		0.2041	
18 Ethyl ether	59		7.277					ND	
19 Acrolein	56		7.678					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		7.689					ND	
21 1,1-Dichloroethene	96		7.748					ND	
22 Acetone	43		7.967					ND	
23 Carbon disulfide	76		8.149					ND	
24 Isopropyl alcohol	45		8.213					ND	
25 3-Chloro-1-propene	41		8.491					ND	
26 Acetonitrile	41		8.625					ND	
27 Methylene Chloride	49		8.775					ND	
28 2-Methyl-2-propanol	59		8.935					ND	
29 Methyl tert-butyl ether	73		9.128					ND	
31 trans-1,2-Dichloroethene	61		9.181					ND	
32 Acrylonitrile	53		9.320					ND	
33 Hexane	57		9.518					ND	
S 30 1,2-Dichloroethene, Total	61		9.665					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63		10.000					ND	
35 Vinyl acetate	43		10.048					ND	
37 cis-1,2-Dichloroethene	96		11.038					ND	
38 2-Butanone (MEK)	72		11.064					ND	
39 Ethyl acetate	88		11.086					ND	
41 Tetrahydrofuran	42		11.466					ND	
* 40 Chlorobromomethane	128	11.466	11.466	0.000	66	242658	10.0	10.0	
42 Chloroform	83		11.578					ND	
43 Cyclohexane	84		11.808					ND	
44 1,1,1-Trichloroethane	97		11.835					ND	
45 Carbon tetrachloride	117		12.059					ND	
46 Isooctane	57		12.429					ND	
47 Benzene	78		12.482					ND	
48 1,2-Dichloroethane	62		12.648					ND	
49 n-Heptane	43		12.771					ND	
* 50 1,4-Difluorobenzene	114	13.215	13.215	0.000	93	1165460	10.0	10.0	
52 n-Butanol	56		13.541					ND	
53 Trichloroethene	95		13.638					ND	
A 51 GRO	1	13.926	(6.175-21.677)		0	3914597		0	
54 1,2-Dichloropropane	63		14.130					ND	
55 Methyl methacrylate	69		14.253					ND	
56 1,4-Dioxane	88	14.344	14.344	0.000	83	3435		0.1754	
57 Dibromomethane	174		14.365					ND	
58 Dichlorobromomethane	83		14.617					ND	
60 cis-1,3-Dichloropropene	75		15.446					ND	
A 59 TVOC as Toluene	92	15.513	(4.073-26.952)		0	4271795		0	
61 4-Methyl-2-pentanone (MIBK)	43		15.692					ND	
65 Toluene	92		15.981					ND	
64 n-Octane	43		16.007					ND	
66 trans-1,3-Dichloropropene	75		16.537					ND	
67 1,1,2-Trichloroethane	83		16.901					ND	
68 Tetrachloroethene	166		17.003					ND	
69 2-Hexanone	43		17.324					ND	
71 Chlorodibromomethane	129		17.655					ND	
72 Ethylene Dibromide	107	17.917	17.917	0.000	38	643		0.009000	
* 74 Chlorobenzene-d5	117	18.800	18.800	0.000	82	1162466	10.0	10.0	
75 Chlorobenzene	112	18.859	18.859	0.000	76	1585		0.0133	
76 Ethylbenzene	91		18.998					ND	
77 n-Nonane	57		19.110					ND	
78 m-Xylene & p-Xylene	106		19.249					ND	
S 73 Xylenes, Total	106		19.600					ND	
79 o-Xylene	106		20.089					ND	
80 Styrene	104		20.143					ND	
81 Bromoform	173		20.581					ND	
82 Isopropylbenzene	105		20.774					ND	
84 1,1,2,2-Tetrachloroethane	83		21.443					ND	
85 N-Propylbenzene	91		21.502					ND	
86 1,2,3-Trichloropropane	75		21.539					ND	
87 n-Decane	57		21.667					ND	
88 4-Ethyltoluene	105		21.689					ND	
89 2-Chlorotoluene	91		21.700					ND	
90 1,3,5-Trimethylbenzene	105		21.796					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 Alpha Methyl Styrene	118		22.165					ND	
92 tert-Butylbenzene	119		22.283					ND	
93 1,2,4-Trimethylbenzene	105		22.384					ND	
94 sec-Butylbenzene	105		22.614					ND	
95 4-Isopropyltoluene	119		22.812					ND	
96 1,3-Dichlorobenzene	146	22.855	22.855	0.000	93	5065		0.0393	
97 1,4-Dichlorobenzene	146	22.984	22.984	0.000	93	5591		0.0463	
98 Benzyl chloride	91	23.187	23.187	0.000	97	3486		0.0269	
100 n-Butylbenzene	91		23.385					ND	
99 Undecane	57		23.406					ND	
101 1,2-Dichlorobenzene	146	23.519	23.519	0.000	97	5466		0.0452	
102 Dodecane	57		24.974					ND	
103 1,2,4-Trichlorobenzene	180	26.001	26.001	0.000	92	7128		0.0892	
104 Hexachlorobutadiene	225		26.177					ND	
105 Naphthalene	128	26.477	26.477	0.000	96	6320		0.0349	
106 1,2,3-Trichlorobenzene	180	26.942	26.942	0.000	92	5061		0.0602	
122 Total Alkanes TIC	1		0.000					ND	
123 Methylcyclohexane	83		0.000					ND	

Reagents:

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\39532-05.D

Injection Date: 13-Jan-2020 10:19:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: mb

Worklist Smp#: 5

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

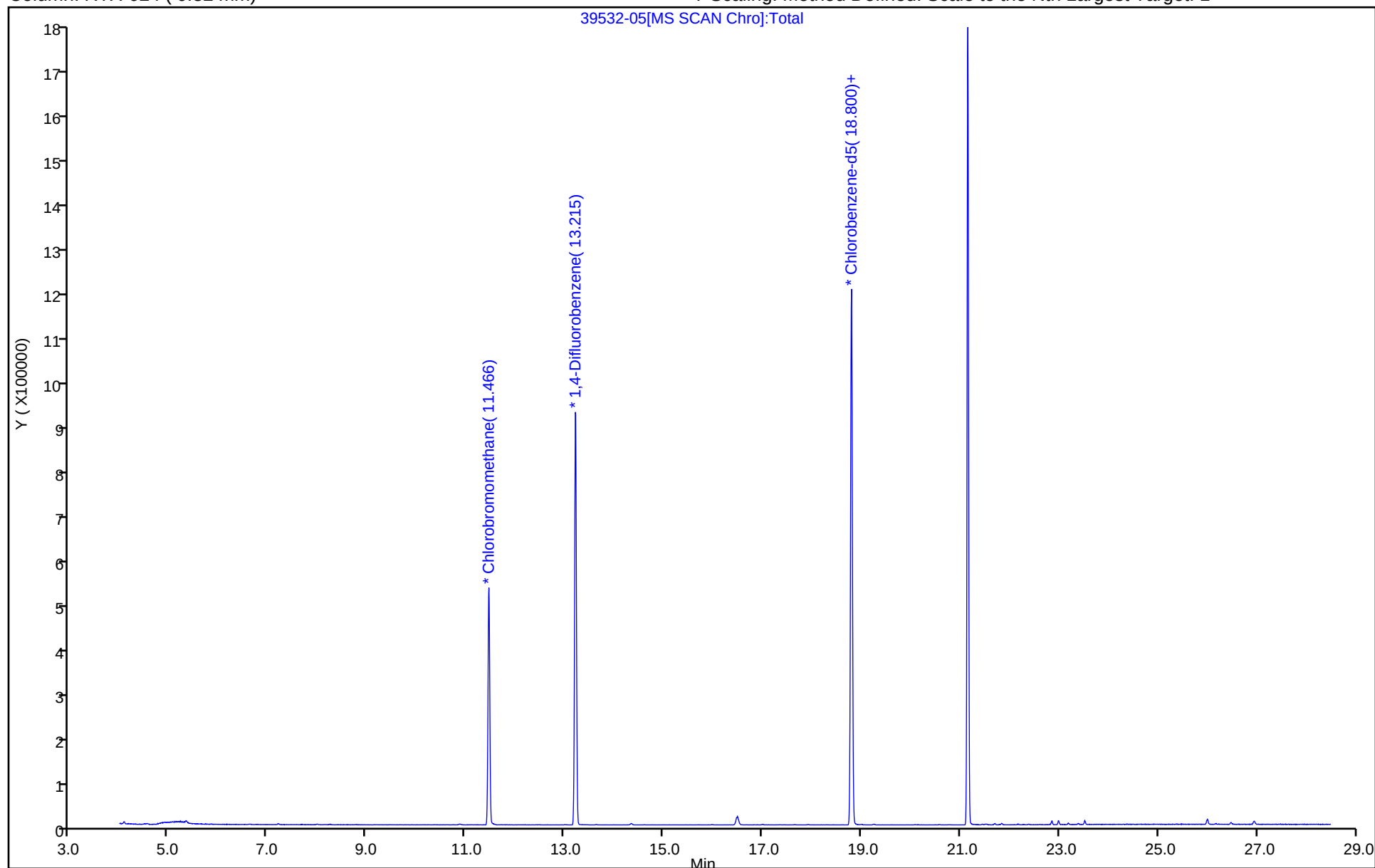
ALS Bottle#: 7

Method: TO15_MasterMethod_X.m

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: Eurofins TestAmerica, Burlington Job No.: 200-52059-1
 SDG No.: _____
 Lab File ID: 38912-01.D BFB Injection Date: 11/21/2019
 Instrument ID: CHC.i BFB Injection Time: 15:18
 Analysis Batch No.: 149995

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	16.8	
75	30.0 - 66.0% of mass 95	42.5	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.5	
173	Less than 2.0% of mass 174	0.3	(0.3) 1
174	50.0 - 120.0% of mass 95	106.4	
175	4.0 - 9.0 % of mass 174	7.6	(7.1) 1
176	93.0 - 101.0% of mass 174	102.4	(96.2) 1
177	5.0 - 9.0% of mass 176	7.1	(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 200-149995/4	38912-04.D	11/21/2019	17:55
	IC 200-149995/5	38912-05.D	11/21/2019	18:49
	IC 200-149995/7	38912-07.D	11/21/2019	20:35
	ICIS 200-149995/8	38912-08.D	11/21/2019	21:28
	IC 200-149995/9	38912-09.D	11/21/2019	22:22
	IC 200-149995/13	38912-13.D	11/22/2019	01:56
	IC 200-149995/14	38912-14.D	11/22/2019	02:50
	IC 200-149995/22	38912-22.D	11/22/2019	09:59
	ICV 200-149995/23	38912-23.D	11/22/2019	11:15

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52059-1
 SDG No.: _____
 Lab File ID: 39464-01.D BFB Injection Date: 01/06/2020
 Instrument ID: CHC.i BFB Injection Time: 07:11
 Analysis Batch No.: 151200

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.6
75	30.0 - 66.0% of mass 95	47.0
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.7 (0.7) 1
174	50.0 - 120.0% of mass 95	95.7
175	4.0 - 9.0 % of mass 174	7.1 (7.4) 1
176	93.0 - 101.0% of mass 174	94.2 (98.4) 1
177	5.0 - 9.0% of mass 176	6.1 (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
	CCVIS 200-151200/2	39464-02.D	01/06/2020	08:28
	LCS 200-151200/4	39464-04.D	01/06/2020	10:16
	MB 200-151200/5	39464-05.D	01/06/2020	11:09
4794	200-52059-6	39464-22.D	01/07/2020	02:52

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52071-1
 SDG No.: _____
 Lab File ID: 38970-01.D BFB Injection Date: 11/25/2019
 Instrument ID: CHX.i BFB Injection Time: 16:00
 Analysis Batch No.: 150142

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	12.6
75	30.0 - 66.0% of mass 95	42.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.5 (0.5) 1
174	50.0 - 120.0% of mass 95	94.2
175	4.0 - 9.0 % of mass 174	6.7 (7.1) 1
176	93.0 - 101.0% of mass 174	91.6 (97.3) 1
177	5.0 - 9.0% of mass 176	5.9 (6.4) 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 200-150142/4	38970-04.D	11/25/2019	18:28
	ICIS 200-150142/5	38970-05.D	11/25/2019	19:18
	IC 200-150142/6	38970-06.D	11/25/2019	20:08
	IC 200-150142/9	38970-09.D	11/25/2019	22:37
	IC 200-150142/10	38970-10.D	11/25/2019	23:26
	IC 200-150142/13	38970-13.D	11/26/2019	01:56
	IC 200-150142/14	38970-14.D	11/26/2019	02:46
	IC 200-150142/15	38970-15.D	11/26/2019	03:35
	ICV 200-150142/18	38970-18.D	11/26/2019	06:05

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52071-1
 SDG No.: _____
 Lab File ID: 39532-01.D BFB Injection Date: 01/13/2020
 Instrument ID: CHX.i BFB Injection Time: 06:48
 Analysis Batch No.: 151371

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	13.3
75	30.0 - 66.0% of mass 95	43.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.6 (0.5) 1
174	50.0 - 120.0% of mass 95	108.0
175	4.0 - 9.0 % of mass 174	7.4 (6.9) 1
176	93.0 - 101.0% of mass 174	105.1 (97.3) 1
177	5.0 - 9.0% of mass 176	6.9 (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
	CCVIS 200-151371/3	39532-03.D	01/13/2020	08:40
	MB 200-151371/5	39532-05.D	01/13/2020	10:19
	LCS 200-151371/6	39532-06.D	01/13/2020	11:09
2596	200-52071-7	39532-14.D	01/13/2020	19:02

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52091-1
 SDG No.: _____
 Lab File ID: 38970-01.D BFB Injection Date: 11/25/2019
 Instrument ID: CHX.i BFB Injection Time: 16:00
 Analysis Batch No.: 150142

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	12.6
75	30.0 - 66.0% of mass 95	42.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.5 (0.5) 1
174	50.0 - 120.0% of mass 95	94.2
175	4.0 - 9.0 % of mass 174	6.7 (7.1) 1
176	93.0 - 101.0% of mass 174	91.6 (97.3) 1
177	5.0 - 9.0% of mass 176	5.9 (6.4) 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 200-150142/4	38970-04.D	11/25/2019	18:28
	ICIS 200-150142/5	38970-05.D	11/25/2019	19:18
	IC 200-150142/6	38970-06.D	11/25/2019	20:08
	IC 200-150142/9	38970-09.D	11/25/2019	22:37
	IC 200-150142/10	38970-10.D	11/25/2019	23:26
	IC 200-150142/13	38970-13.D	11/26/2019	01:56
	IC 200-150142/14	38970-14.D	11/26/2019	02:46
	IC 200-150142/15	38970-15.D	11/26/2019	03:35
	ICV 200-150142/18	38970-18.D	11/26/2019	06:05

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52091-1
 SDG No.: _____
 Lab File ID: 39532-01.D BFB Injection Date: 01/13/2020
 Instrument ID: CHX.i BFB Injection Time: 06:48
 Analysis Batch No.: 151371

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	13.3
75	30.0 - 66.0% of mass 95	43.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.6 (0.5) 1
174	50.0 - 120.0% of mass 95	108.0
175	4.0 - 9.0 % of mass 174	7.4 (6.9) 1
176	93.0 - 101.0% of mass 174	105.1 (97.3) 1
177	5.0 - 9.0% of mass 176	6.9 (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
	CCVIS 200-151371/3	39532-03.D	01/13/2020	08:40
	MB 200-151371/5	39532-05.D	01/13/2020	10:19
	LCS 200-151371/6	39532-06.D	01/13/2020	11:09
4542	200-52091-5	39532-12.D	01/13/2020	17:06

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52059-1
 SDG No.: _____
 Sample No.: ICIS 200-149995/8 Date Analyzed: 11/21/2019 21:28
 Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 38912-08.D Heated Purge: (Y/N) N
 Calibration ID: 42765

	BCM		DFBZ		CBNZd5	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	677448	10.05	3390427	12.03	3108650	18.08
UPPER LIMIT	948427	10.38	4746598	12.36	4352110	18.41
LOWER LIMIT	406469	9.72	2034256	11.70	1865190	17.75
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 200-149995/23		733022	10.05	3426474	12.03	3177700 18.08

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52059-1
 SDG No.: _____
 Sample No.: CCVIS 200-151200/2 Date Analyzed: 01/06/2020 08:28
 Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 39464-02.D Heated Purge: (Y/N) N
 Calibration ID: 42765

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		417430	10.03	2379398	12.00	2448902	18.04
UPPER LIMIT		584402	10.36	3331157	12.33	3428463	18.37
LOWER LIMIT		250458	9.70	1427639	11.67	1469341	17.71
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 200-151200/4		419000	10.03	2401881	12.01	2353370	18.04
MB 200-151200/5		406268	10.03	2389857	12.01	2062299	18.04
200-52059-6		4794	408214	10.02	2371365	12.00	2043632

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52071-1
 SDG No.: _____
 Sample No.: ICIS 200-150142/5 Date Analyzed: 11/25/2019 19:18
 Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 38970-05.D Heated Purge: (Y/N) N
 Calibration ID: 42772

	BCM		DFBZ		CBNZd5	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	459144	11.47	2214904	13.23	2285867	18.81
UPPER LIMIT	642802	11.80	3100866	13.56	3200214	19.14
LOWER LIMIT	275486	11.14	1328942	12.90	1371520	18.48
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 200-150142/18		433278	11.48	2074172	13.23	2038041 18.81

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52071-1
 SDG No.: _____
 Sample No.: CCVIS 200-151371/3 Date Analyzed: 01/13/2020 08:40
 Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 39532-03.D Heated Purge: (Y/N) N
 Calibration ID: 42772

	BCM		DFBZ		CBNZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	224819	11.47	1066692	13.22	1136671	18.80	
UPPER LIMIT	314747	11.80	1493369	13.55	1591339	19.13	
LOWER LIMIT	134891	11.14	640015	12.89	682003	18.47	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 200-151371/5		242658	11.47	1165460	13.22	1162466	18.80
LCS 200-151371/6		234650	11.47	1109369	13.22	1184684	18.80
200-52071-7	2596	208983	11.47	993179	13.22	1016285	18.81

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52091-1
 SDG No.: _____
 Sample No.: ICIS 200-150142/5 Date Analyzed: 11/25/2019 19:18
 Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 38970-05.D Heated Purge: (Y/N) N
 Calibration ID: 42772

	BCM		DFBZ		CBNZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	459144	11.47	2214904	13.23	2285867	18.81	
UPPER LIMIT	642802	11.80	3100866	13.56	3200214	19.14	
LOWER LIMIT	275486	11.14	1328942	12.90	1371520	18.48	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-150142/18		433278	11.48	2074172	13.23	2038041	18.81

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52091-1
 SDG No.: _____
 Sample No.: CCVIS 200-151371/3 Date Analyzed: 01/13/2020 08:40
 Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 39532-03.D Heated Purge: (Y/N) N
 Calibration ID: 42772

		BCM		DFBZ		CBNZd5		
		AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD		224819	11.47	1066692	13.22	1136671	18.80	
UPPER LIMIT		314747	11.80	1493369	13.55	1591339	19.13	
LOWER LIMIT		134891	11.14	640015	12.89	682003	18.47	
LAB SAMPLE ID		CLIENT SAMPLE ID						
MB 200-151371/5		242658	11.47	1165460	13.22	1162466	18.80	
LCS 200-151371/6		234650	11.47	1109369	13.22	1184684	18.80	
200-52091-5		4542	218844	11.47	1042397	13.22	1055451	18.81

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52059-1
 SDG No.: _____
 Client Sample ID: 4794 Lab Sample ID: 200-52059-6
 Matrix: Air Lab File ID: 39464-22.D
 Analysis Method: TO-15 Date Collected: 12/31/2019 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2020 02:52
 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.: 151200 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	0.080	U	0.080	0.080
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: Eurofins TestAmerica, Burlington Job No.: 200-52059-1

SDG No.: _____

Client Sample ID: 4794 Lab Sample ID: 200-52059-6

Matrix: Air Lab File ID: 39464-22.D

Analysis Method: TO-15 Date Collected: 12/31/2019 00:00

Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2020 02:52

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.: 151200 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)	0.14	U	0.14	0.14
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: Eurofins TestAmerica, Burlington Job No.: 200-52059-1
SDG No.: _____
Client Sample ID: 4794 Lab Sample ID: 200-52059-6
Matrix: Air Lab File ID: 39464-22.D
Analysis Method: TO-15 Date Collected: 12/31/2019 00:00
Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2020 02:52
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.: 151200 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

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHC.i\20200106-39464.b\39464-22.D
 Lims ID: 200-52059-A-6
 Client ID: 4794
 Sample Type: Client
 Inject. Date: 07-Jan-2020 02:52:30 ALS Bottle#: 20 Worklist Smp#: 22
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0039464-022
 Misc. Info.: 52059-06
 Operator ID: ggg Instrument ID: CHC.i
 Method: \\chromna\Burlington\ChromData\CHC.i\20200106-39464.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 07-Jan-2020 15:48:10 Calib Date: 22-Nov-2019 09:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHC.i\20191121-38912.b\38912-22.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0319

First Level Reviewer: puangmaleek

Date: 07-Jan-2020 15:57:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		2.935				ND	U
2 Dichlorodifluoromethane	85		2.999				ND	
3 Chlorodifluoromethane	51		3.042				ND	U
4 1,2-Dichloro-1,1,2,2-tetra	85		3.250				ND	
5 Chloromethane	50		3.368				ND	U
6 Butane	43		3.565				ND	
7 Vinyl chloride	62		3.597				ND	
8 Butadiene	54		3.672				ND	
10 Bromomethane	94		4.307				ND	
11 Chloroethane	64		4.536				ND	
13 Vinyl bromide	106		4.915				ND	
14 Trichlorofluoromethane	101		5.027				ND	
17 Ethanol	45		5.599				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		6.100				ND	
21 1,1-Dichloroethene	96		6.116				ND	
22 Acetone	43		6.330				ND	U
23 Carbon disulfide	76		6.484				ND	U
24 Isopropyl alcohol	45		6.671				ND	
25 3-Chloro-1-propene	41		6.885				ND	U
27 Methylene Chloride	49		7.173				ND	
28 2-Methyl-2-propanol	59		7.440				ND	
29 Methyl tert-butyl ether	73		7.611				ND	
31 trans-1,2-Dichloroethene	61		7.627				ND	
33 Hexane	57		8.043				ND	
34 1,1-Dichloroethane	63		8.475				ND	
35 Vinyl acetate	43		8.571				ND	
37 cis-1,2-Dichloroethene	96		9.580				ND	U
38 2-Butanone (MEK)	72		9.628				ND	
39 Ethyl acetate	88		9.697				ND	
* 40 Chlorobromomethane	128	10.023	10.028	-0.005	99	408214	20.0	
41 Tetrahydrofuran	42		10.071				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
42 Chloroform	83		10.178				ND	
S 30 1,2-Dichloroethene, Total	61		10.200				ND	
43 Cyclohexane	84		10.444				ND	
44 1,1,1-Trichloroethane	97		10.450				ND	
45 Carbon tetrachloride	117		10.706				ND	
47 Benzene	78		11.154				ND	U
46 Isooctane	57		11.176				ND	
48 1,2-Dichloroethane	62		11.320				ND	
49 n-Heptane	43		11.581				ND	
* 50 1,4-Difluorobenzene	114	12.003	12.008	-0.005	95	2371365	20.0	
53 Trichloroethene	95		12.478				ND	
54 1,2-Dichloropropane	63		13.001				ND	
55 Methyl methacrylate	69		13.220				ND	
57 Dibromomethane	174		13.257				ND	
56 1,4-Dioxane	88		13.262				ND	
58 Dichlorobromomethane	83		13.577				ND	
60 cis-1,3-Dichloropropene	75		14.538				ND	
61 4-Methyl-2-pentanone (MIBK)	43		14.837				ND	
65 Toluene	92		15.136				ND	
66 trans-1,3-Dichloropropene	75		15.739				ND	
67 1,1,2-Trichloroethane	83		16.107				ND	
68 Tetrachloroethene	166		16.246				ND	
69 2-Hexanone	43		16.577				ND	
71 Chlorodibromomethane	129		16.870				ND	
72 Ethylene Dibromide	107		17.126				ND	
* 74 Chlorobenzene-d5	117	18.044	18.044	0.000	85	2043632	20.0	
75 Chlorobenzene	112		18.108				ND	
76 Ethylbenzene	91		18.274				ND	U
78 m-Xylene & p-Xylene	106		18.525				ND	
79 o-Xylene	106		19.362				ND	
80 Styrene	104		19.410				ND	
81 Bromoform	173		19.837				ND	
82 Isopropylbenzene	105		20.094				ND	
S 73 Xylenes, Total	106		20.100				ND	
84 1,1,2,2-Tetrachloroethane	83		20.771				ND	
85 N-Propylbenzene	91		20.862				ND	U
89 2-Chlorotoluene	91		21.060				ND	U
88 4-Ethyltoluene	105		21.060				ND	
90 1,3,5-Trimethylbenzene	105		21.177				ND	
92 tert-Butylbenzene	119		21.684				ND	U
93 1,2,4-Trimethylbenzene	105		21.796				ND	U
94 sec-Butylbenzene	105		22.020				ND	U
95 4-Isopropyltoluene	119		22.234				ND	U
97 1,4-Dichlorobenzene	146		22.388				ND	
96 1,3-Dichlorobenzene	146		22.399				ND	
98 Benzyl chloride	91		22.581				ND	U
100 n-Butylbenzene	91		22.805				ND	U
101 1,2-Dichlorobenzene	146		22.911				ND	U
103 1,2,4-Trichlorobenzene	180		25.292				ND	
104 Hexachlorobutadiene	225		25.500				ND	
105 Naphthalene	128		25.729				ND	U

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200106-39464.b\39464-22.D

Injection Date: 07-Jan-2020 02:52:30

Instrument ID: CHC.i

Operator ID: ggg

Lims ID: 200-52059-A-6

Lab Sample ID: 200-52059-6

Worklist Smp#: 22

Client ID: 4794

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

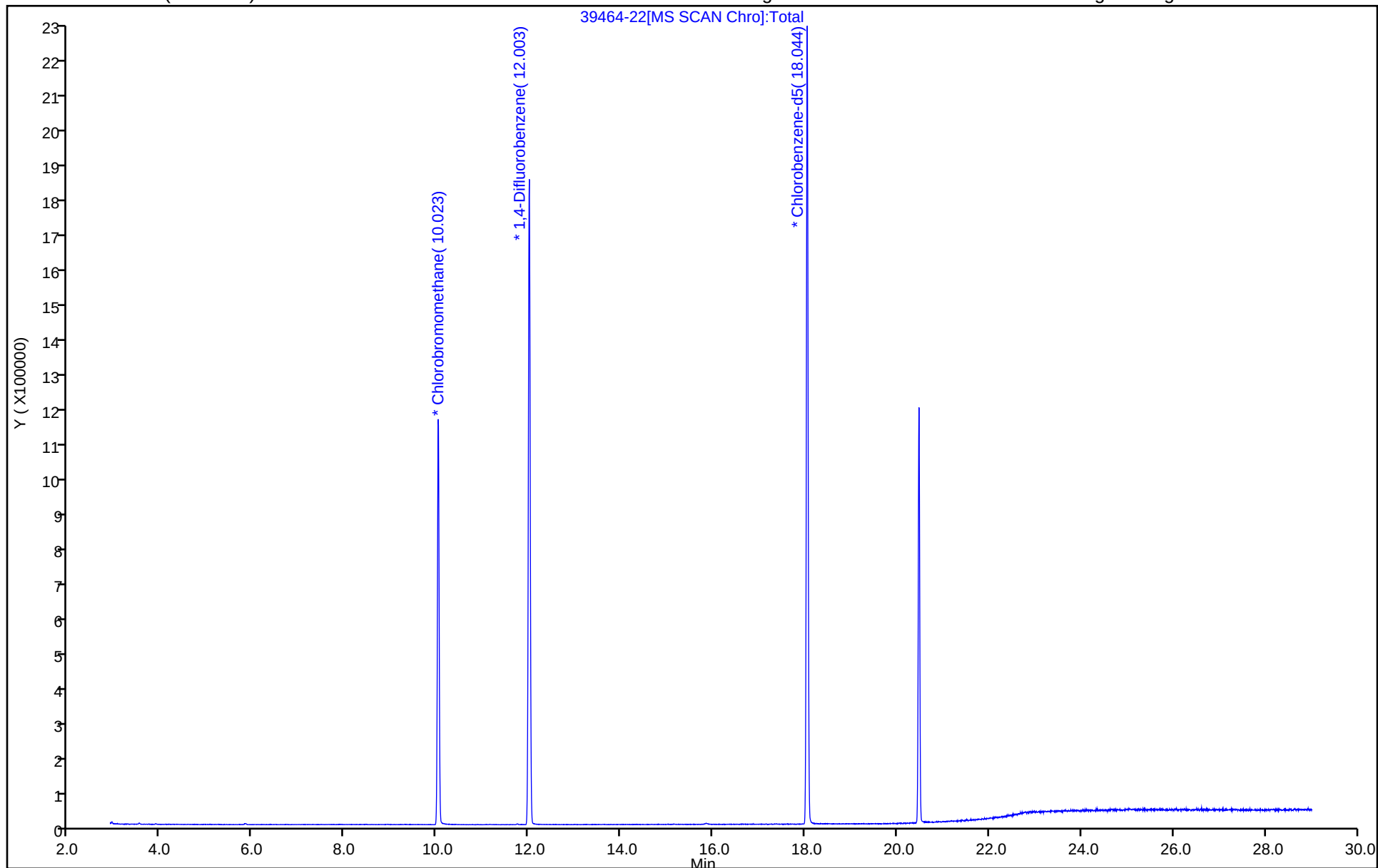
ALS Bottle#: 20

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

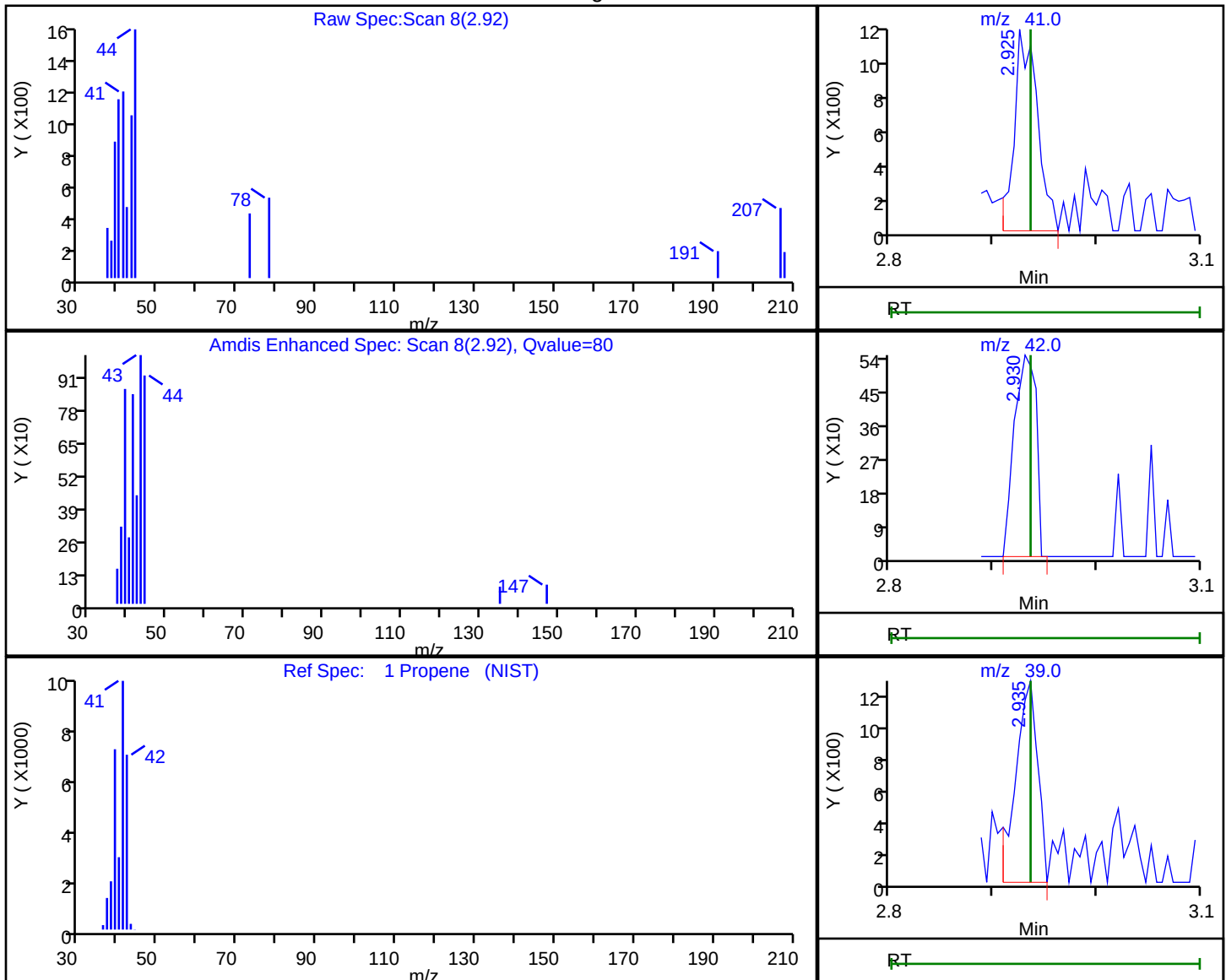


Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200106-39464.b\39464-22.D
Injection Date: 07-Jan-2020 02:52:30 Instrument ID: CHC.i
Lims ID: 200-52059-A-6 Lab Sample ID: 200-52059-6
Client ID: 4794
Operator ID: ggg ALS Bottle#: 20 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

1 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
2.92	41.00	1868	0.135735
2.93	42.00	803	
2.94	39.00	1828	

Reviewer: puangmaleek, 07-Jan-2020 15:46:54

Audit Action: Marked Compound Undetected

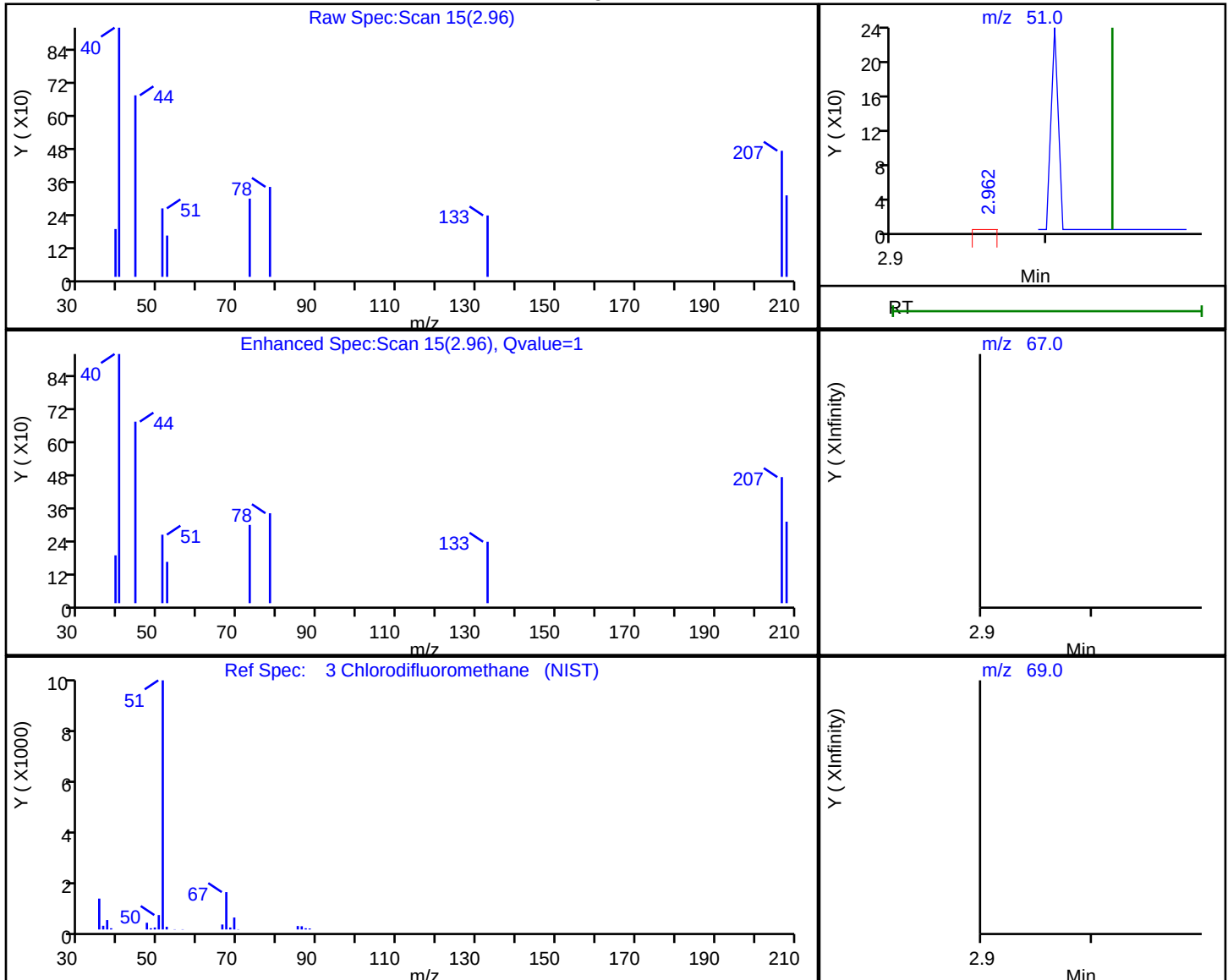
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200106-39464.b\39464-22.D
Injection Date: 07-Jan-2020 02:52:30 Instrument ID: CHC.i
Lims ID: 200-52059-A-6 Lab Sample ID: 200-52059-6
Client ID: 4794
Operator ID: ggg ALS Bottle#: 20 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

3 Chlorodifluoromethane, CAS: 75-45-6

Processing Results



RT	Mass	Response	Amount
2.96	51.00	131	0.004914
3.04	67.00	0	
3.04	69.00	0	

Reviewer: puangmaleek, 07-Jan-2020 15:46:57

Audit Action: Marked Compound Undetected

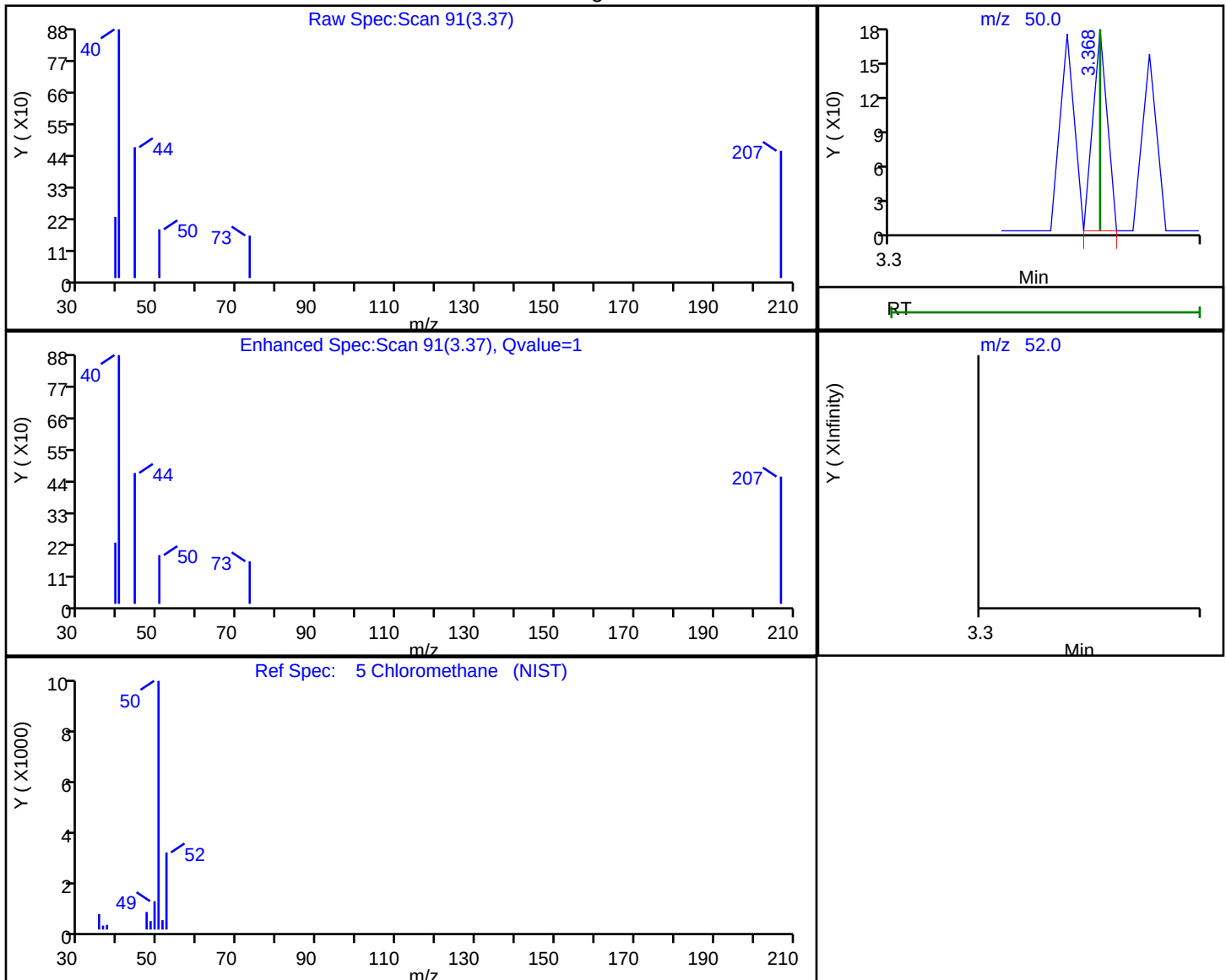
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200106-39464.b\39464-22.D
Injection Date: 07-Jan-2020 02:52:30 Instrument ID: CHC.i
Lims ID: 200-52059-A-6 Lab Sample ID: 200-52059-6
Client ID: 4794
Operator ID: ggg ALS Bottle#: 20 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

5 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
3.37	50.00	55	0.002937
3.37	52.00	0	

Reviewer: puangmaleek, 07-Jan-2020 15:46:59

Audit Action: Marked Compound Undetected

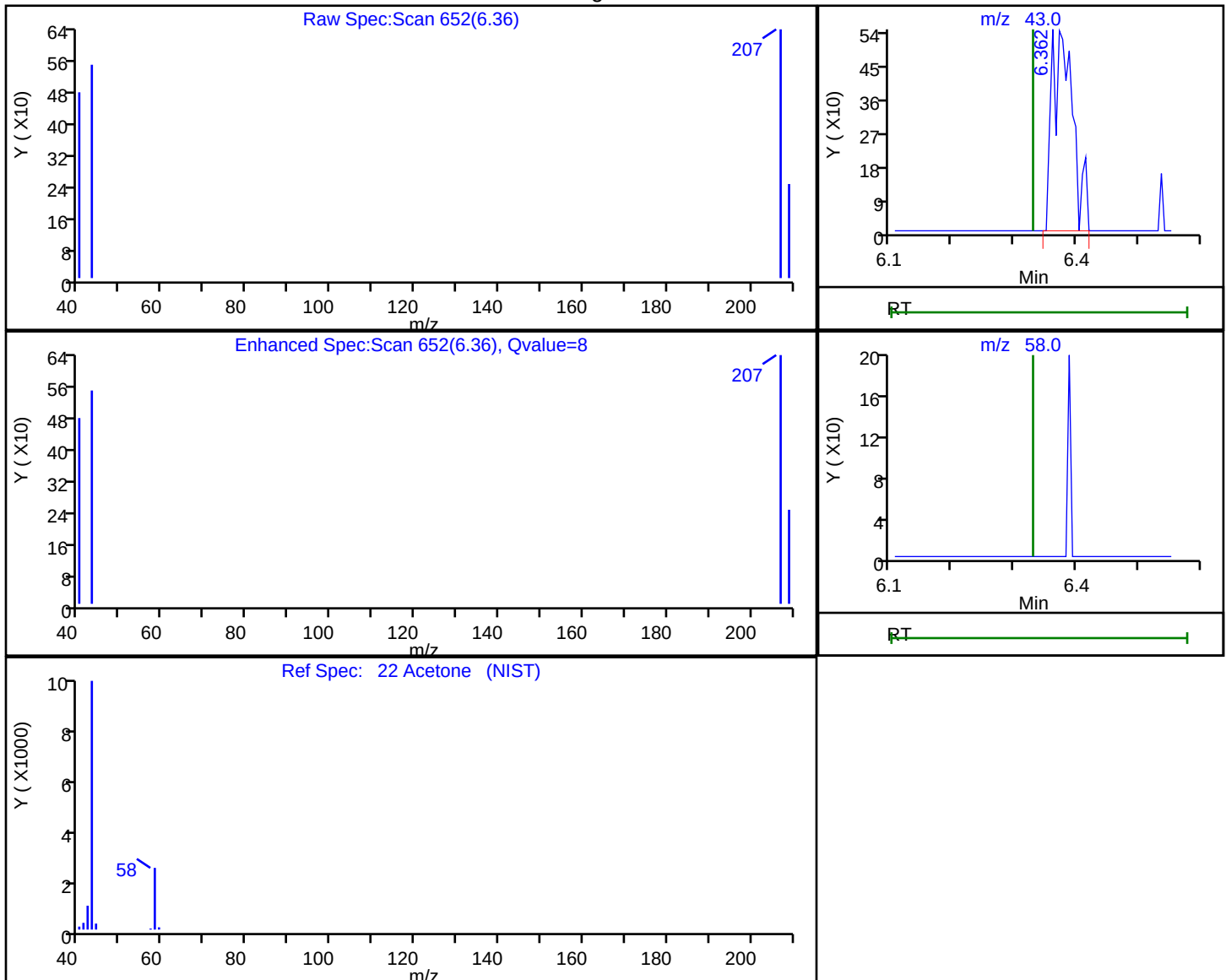
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200106-39464.b\39464-22.D
Injection Date: 07-Jan-2020 02:52:30 Instrument ID: CHC.i
Lims ID: 200-52059-A-6 Lab Sample ID: 200-52059-6
Client ID: 4794
Operator ID: ggg ALS Bottle#: 20 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

22 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
6.36	43.00	1267	0.043218
6.33	58.00	0	

Reviewer: puangmaleek, 07-Jan-2020 15:47:04

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200106-39464.b\39464-22.D

Injection Date: 07-Jan-2020 02:52:30

Instrument ID: CHC.i

Lims ID: 200-52059-A-6

Lab Sample ID: 200-52059-6

Client ID: 4794

Operator ID: ggg

ALS Bottle#: 20 Worklist Smp#: 22

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_(v1)_CHC.i

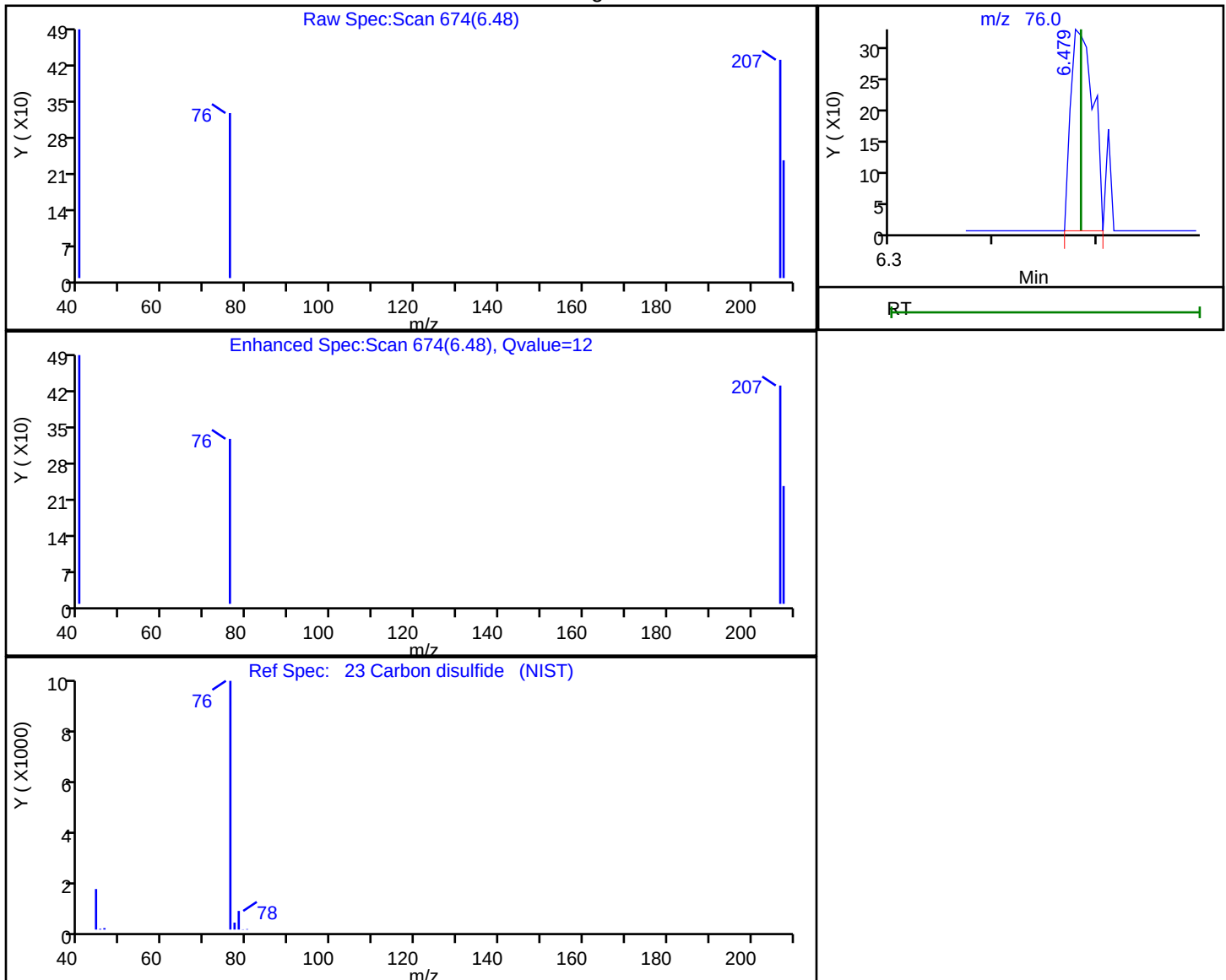
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

23 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
6.48	76.00	495	0.006947

Reviewer: puangmaleek, 07-Jan-2020 15:47:06

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200106-39464.b\39464-22.D

Injection Date: 07-Jan-2020 02:52:30

Instrument ID: CHC.i

Lims ID: 200-52059-A-6

Lab Sample ID: 200-52059-6

Client ID: 4794

Operator ID: ggg

ALS Bottle#: 20 Worklist Smp#: 22

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_(v1)_CHC.i

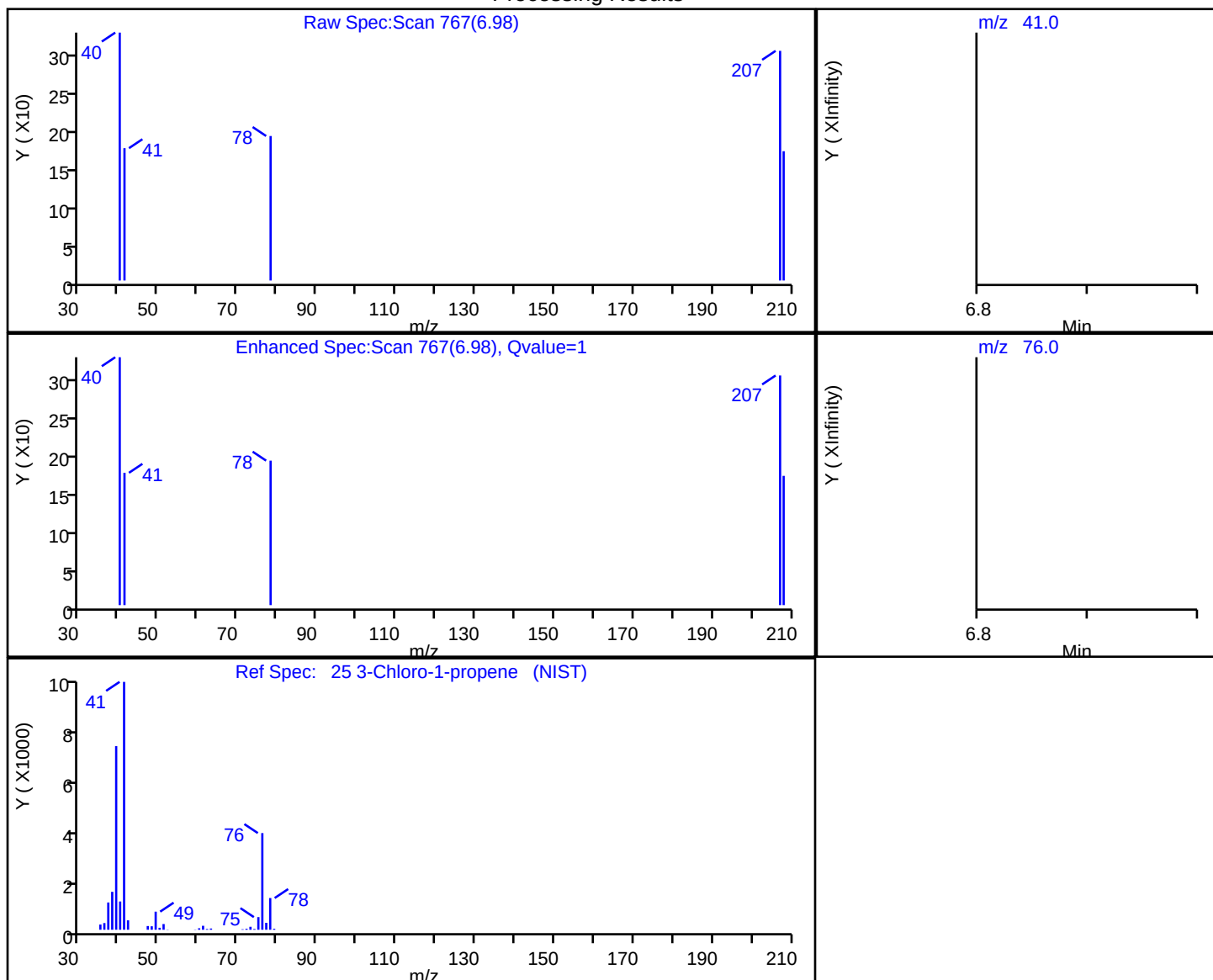
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

25 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
6.98	41.00	56	0.001811
6.88	76.00	0	

Reviewer: puangmaleek, 07-Jan-2020 15:47:09

Audit Action: Marked Compound Undetected

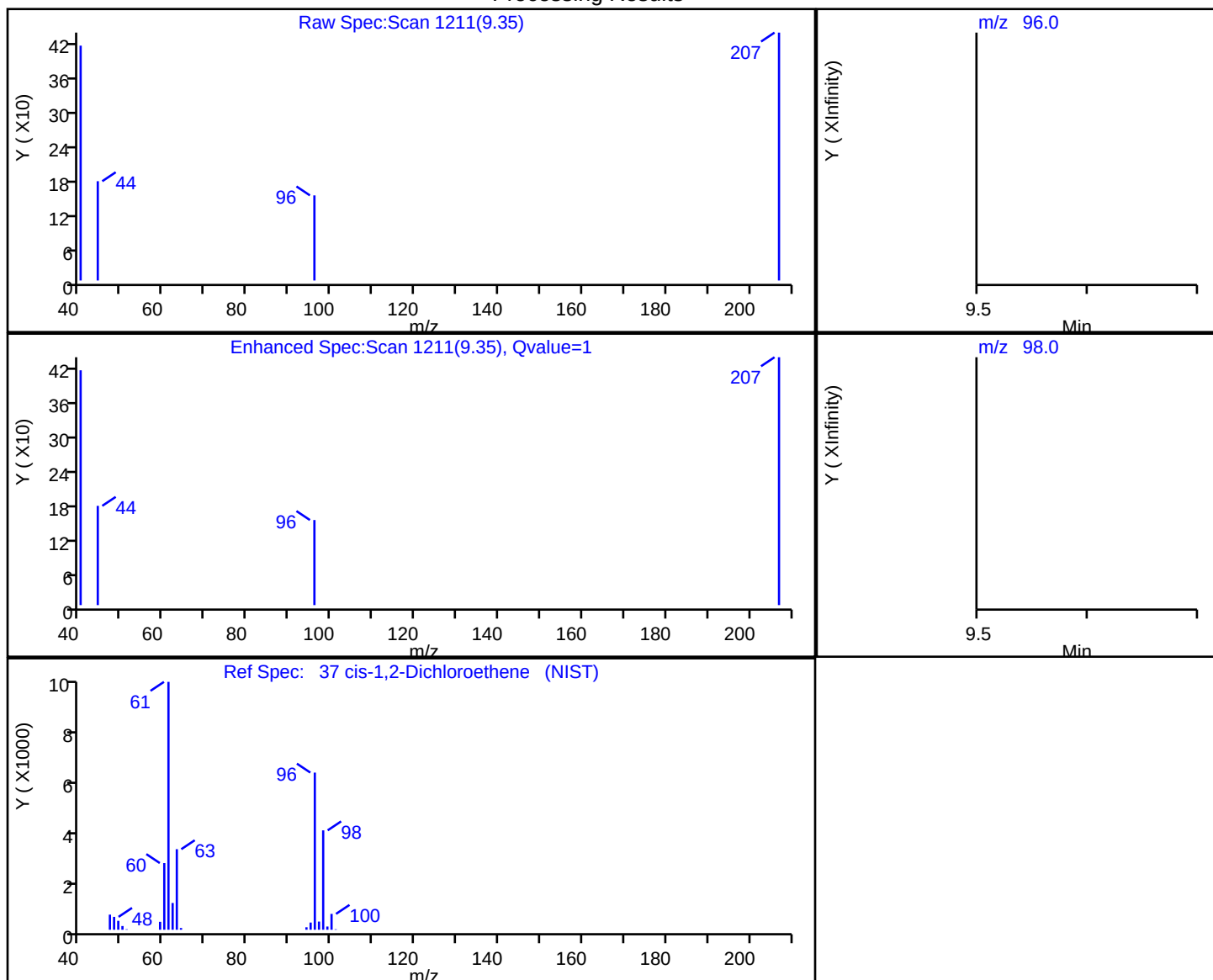
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200106-39464.b\39464-22.D
Injection Date: 07-Jan-2020 02:52:30 Instrument ID: CHC.i
Lims ID: 200-52059-A-6 Lab Sample ID: 200-52059-6
Client ID: 4794
Operator ID: ggg ALS Bottle#: 20 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

37 cis-1,2-Dichloroethene, CAS: 156-59-2

Processing Results



RT	Mass	Response	Amount
9.35	96.00	48	0.001581
9.58	98.00	0	

Reviewer: puangmaleek, 07-Jan-2020 15:47:12

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200106-39464.b\39464-22.D

Injection Date: 07-Jan-2020 02:52:30

Instrument ID: CHC.i

Lims ID: 200-52059-A-6

Lab Sample ID: 200-52059-6

Client ID: 4794

Operator ID: ggg

ALS Bottle#:

20

Worklist Smp#: 22

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_(v1)_CHC.i

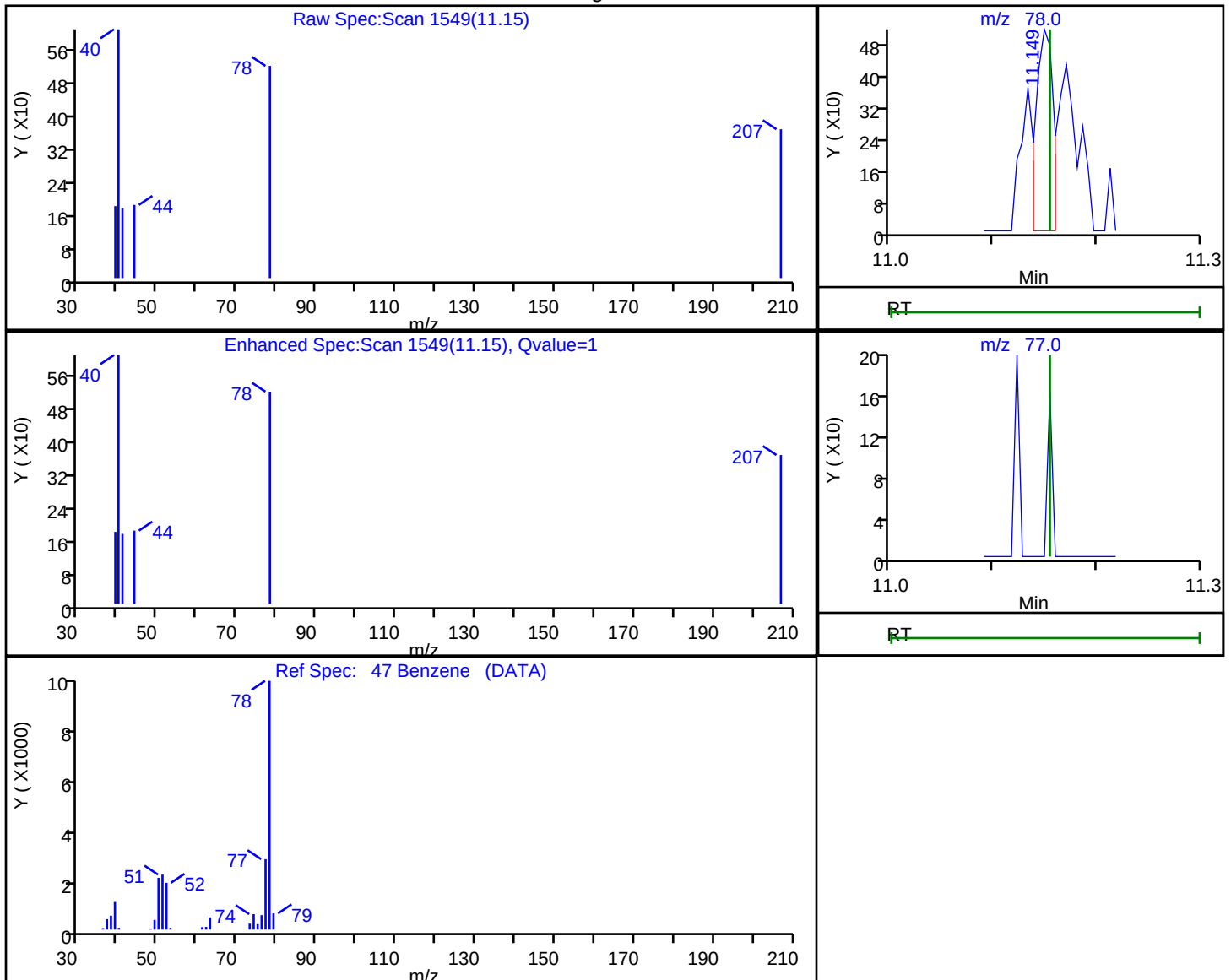
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

47 Benzene, CAS: 71-43-2

Processing Results



RT	Mass	Response	Amount
11.15	78.00	600	0.005735
11.15	77.00	0	

Reviewer: puangmaleek, 07-Jan-2020 15:47:18

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200106-39464.b\39464-22.D

Injection Date: 07-Jan-2020 02:52:30

Instrument ID: CHC.i

Lims ID: 200-52059-A-6

Lab Sample ID: 200-52059-6

Client ID: 4794

Operator ID: ggg

ALS Bottle#:

20

Worklist Smp#: 22

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_(v1)_CHC.i

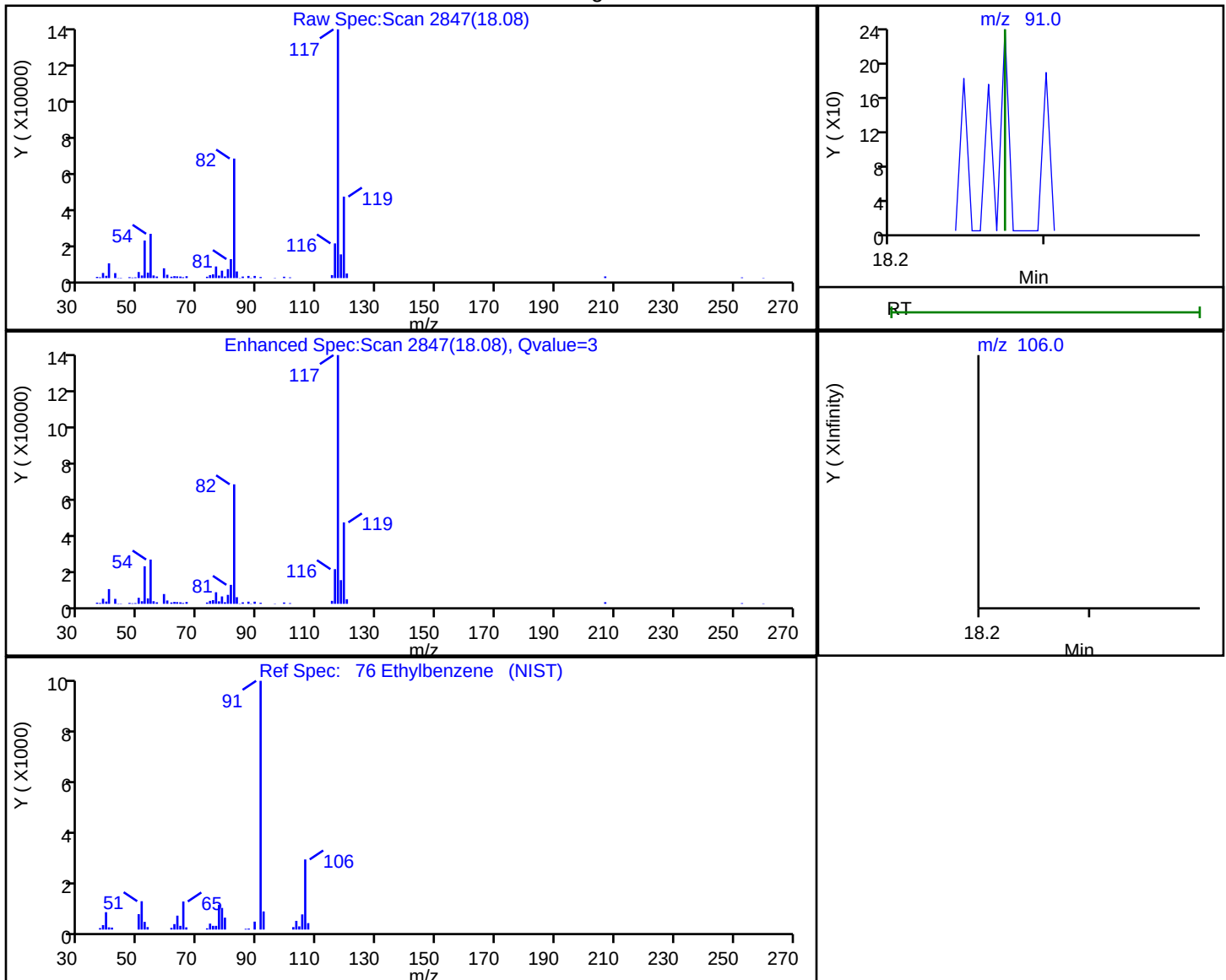
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 Ethylbenzene, CAS: 100-41-4

Processing Results



RT	Mass	Response	Amount
18.08	91.00	359	0.002282
18.27	106.00	0	

Reviewer: puangmaleek, 07-Jan-2020 15:47:45

Audit Action: Marked Compound Undetected

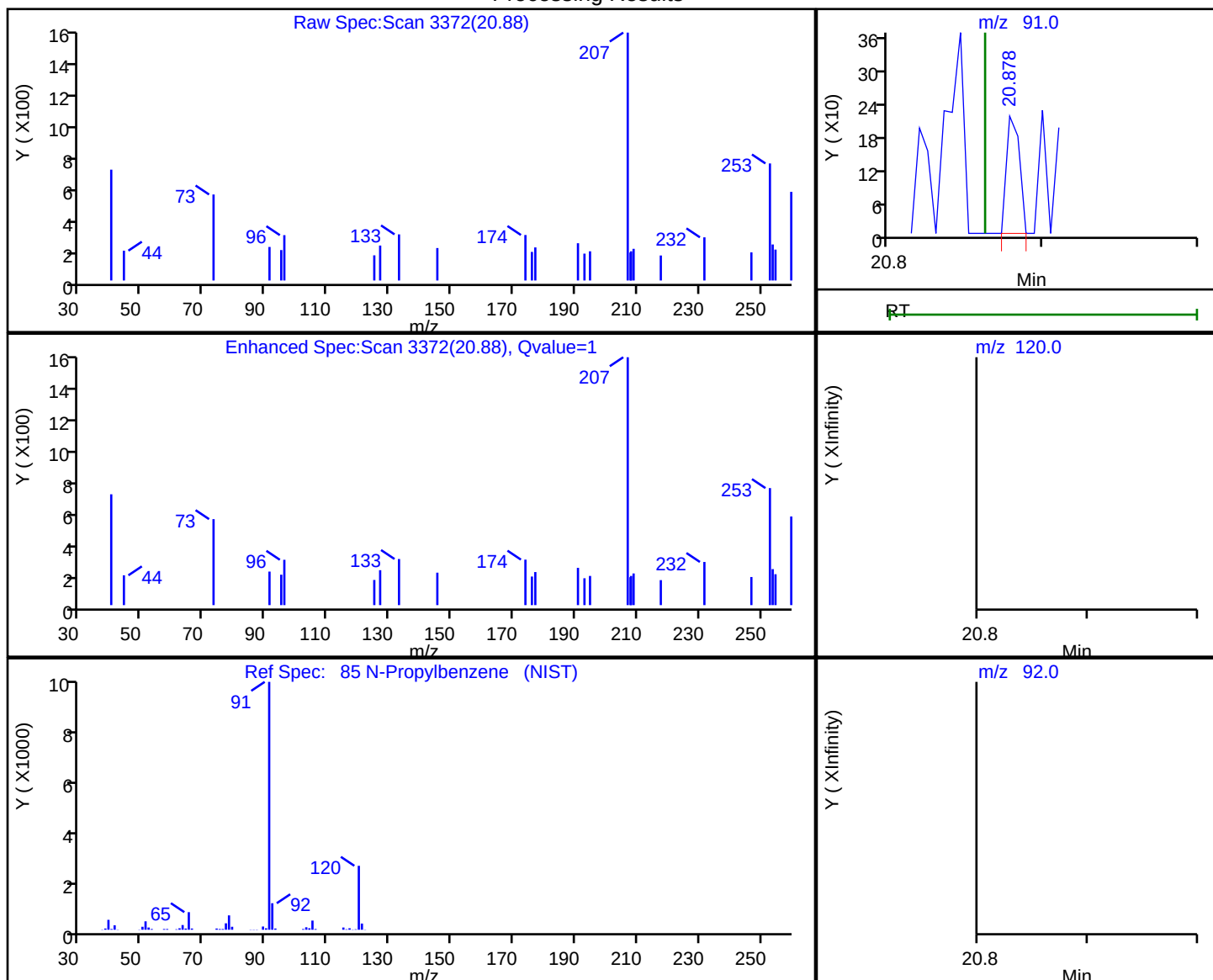
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200106-39464.b\39464-22.D
Injection Date: 07-Jan-2020 02:52:30 Instrument ID: CHC.i
Lims ID: 200-52059-A-6 Lab Sample ID: 200-52059-6
Client ID: 4794
Operator ID: ggg ALS Bottle#: 20 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

85 N-Propylbenzene, CAS: 103-65-1

Processing Results



RT	Mass	Response	Amount
20.88	91.00	126	0.000603
20.86	120.00	0	
20.86	92.00	0	

Reviewer: puangmaleek, 07-Jan-2020 15:47:49

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200106-39464.b\39464-22.D

Injection Date: 07-Jan-2020 02:52:30

Instrument ID: CHC.i

Lims ID: 200-52059-A-6

Lab Sample ID: 200-52059-6

Client ID: 4794

Operator ID: ggg

ALS Bottle#:

20

Worklist Smp#: 22

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_(v1)_CHC.i

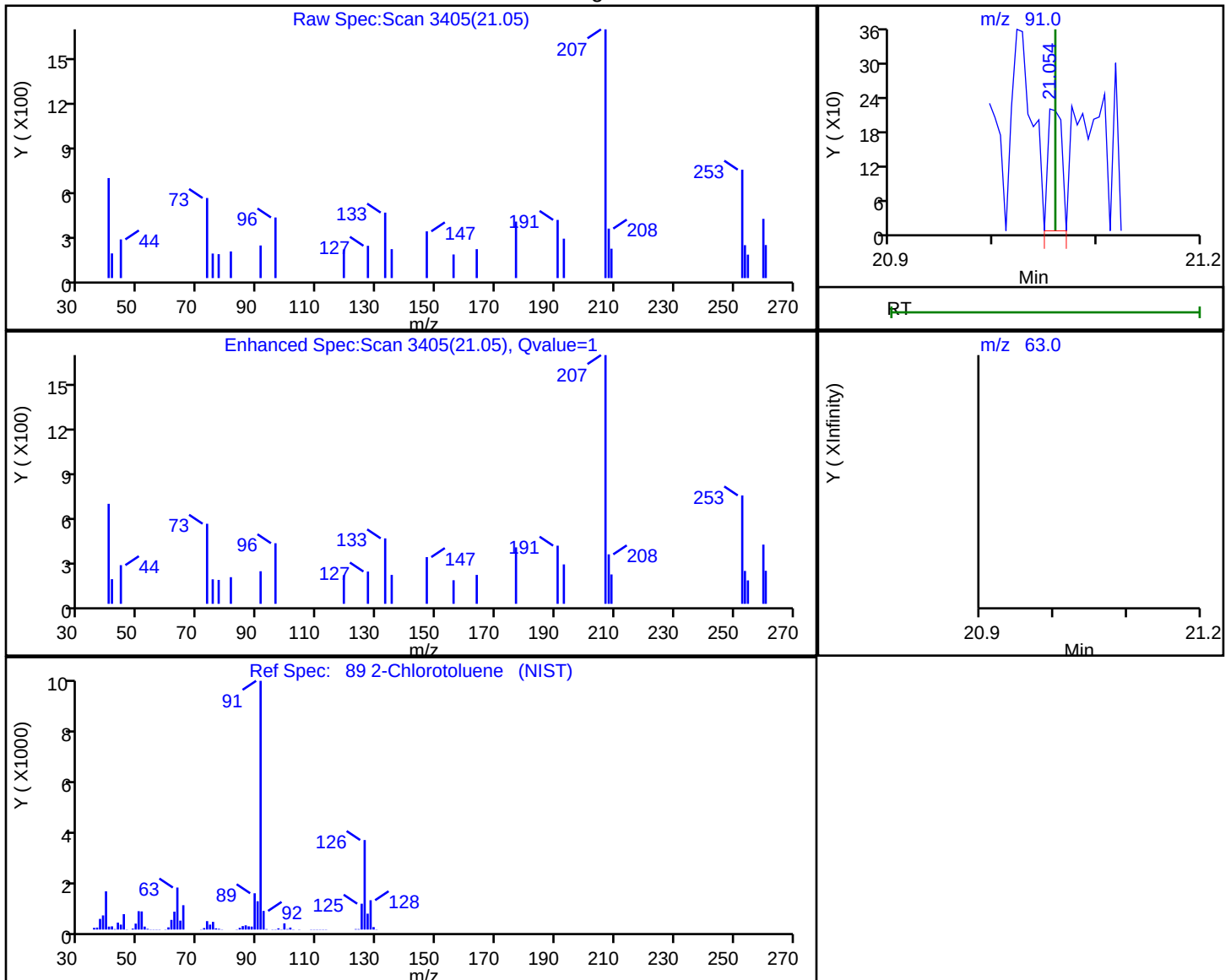
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

89 2-Chlorotoluene, CAS: 95-49-8

Processing Results



RT	Mass	Response	Amount
21.05	91.00	199	0.001434
21.06	63.00	0	

Reviewer: puangmaleek, 07-Jan-2020 15:47:50

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200106-39464.b\39464-22.D

Injection Date: 07-Jan-2020 02:52:30

Instrument ID: CHC.i

Lims ID: 200-52059-A-6

Lab Sample ID: 200-52059-6

Client ID: 4794

Operator ID: ggg

ALS Bottle#:

20

Worklist Smp#: 22

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

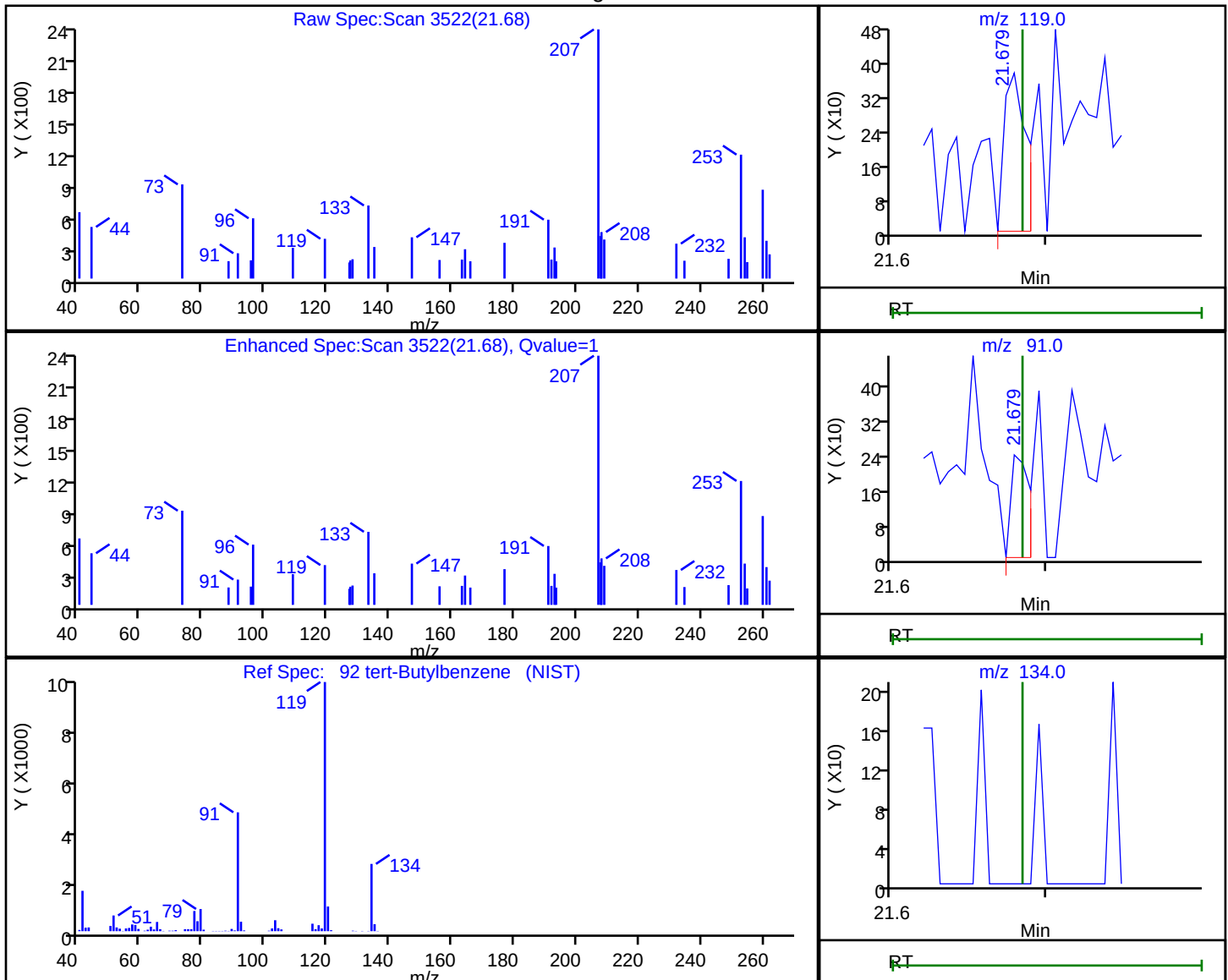
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

92 tert-Butylbenzene, CAS: 98-06-6

Processing Results



RT	Mass	Response	Amount
21.68	119.00	368	0.002789
21.68	91.00	195	
21.68	134.00	0	

Reviewer: puangmaleek, 07-Jan-2020 15:47:53

Audit Action: Marked Compound Undetected

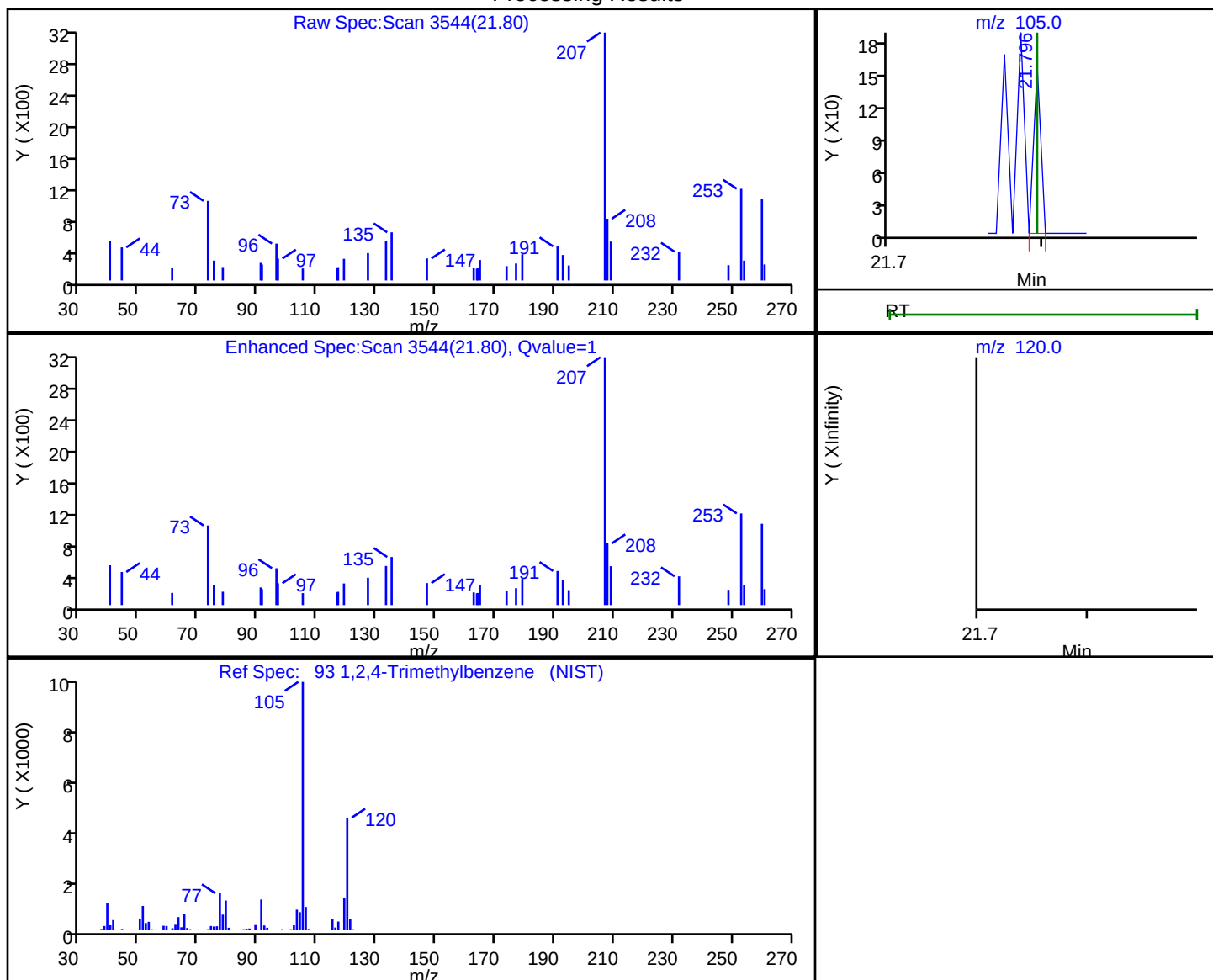
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200106-39464.b\39464-22.D
Injection Date: 07-Jan-2020 02:52:30 Instrument ID: CHC.i
Lims ID: 200-52059-A-6 Lab Sample ID: 200-52059-6
Client ID: 4794
Operator ID: ggg ALS Bottle#: 20 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

93 1,2,4-Trimethylbenzene, CAS: 95-63-6

Processing Results



RT	Mass	Response	Amount
21.80	105.00	49	0.000366
21.80	120.00	0	

Reviewer: puangmaleek, 07-Jan-2020 15:47:54

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200106-39464.b\39464-22.D

Injection Date: 07-Jan-2020 02:52:30

Instrument ID: CHC.i

Lims ID: 200-52059-A-6

Lab Sample ID: 200-52059-6

Client ID: 4794

Operator ID: ggg

ALS Bottle#:

20

Worklist Smp#: 22

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

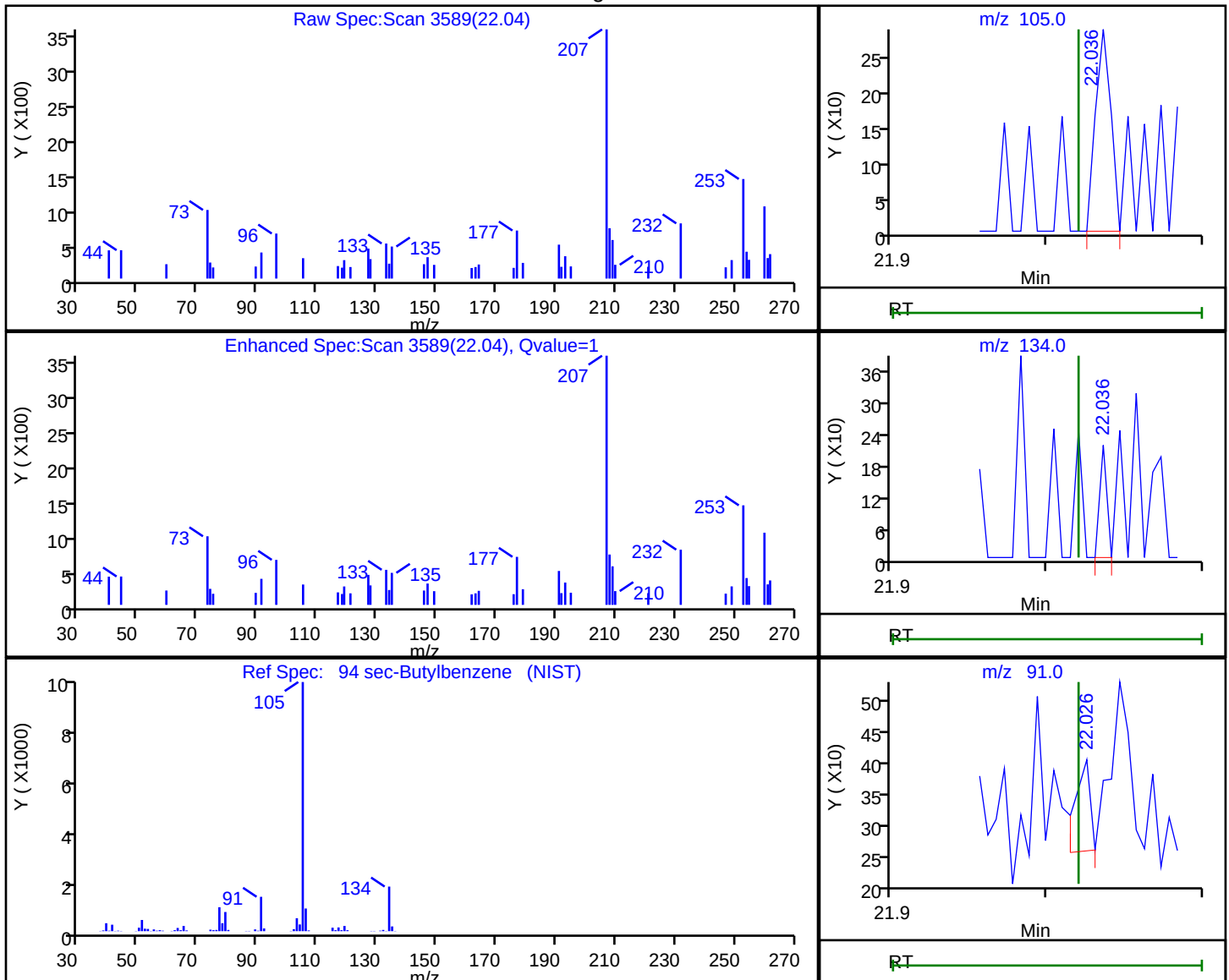
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

94 sec-Butylbenzene, CAS: 135-98-8

Processing Results



RT	Mass	Response	Amount
22.04	105.00	200	0.000976
22.04	134.00	68	
22.03	91.00	98	

Reviewer: puangmaleek, 07-Jan-2020 15:47:56

Audit Action: Marked Compound Undetected

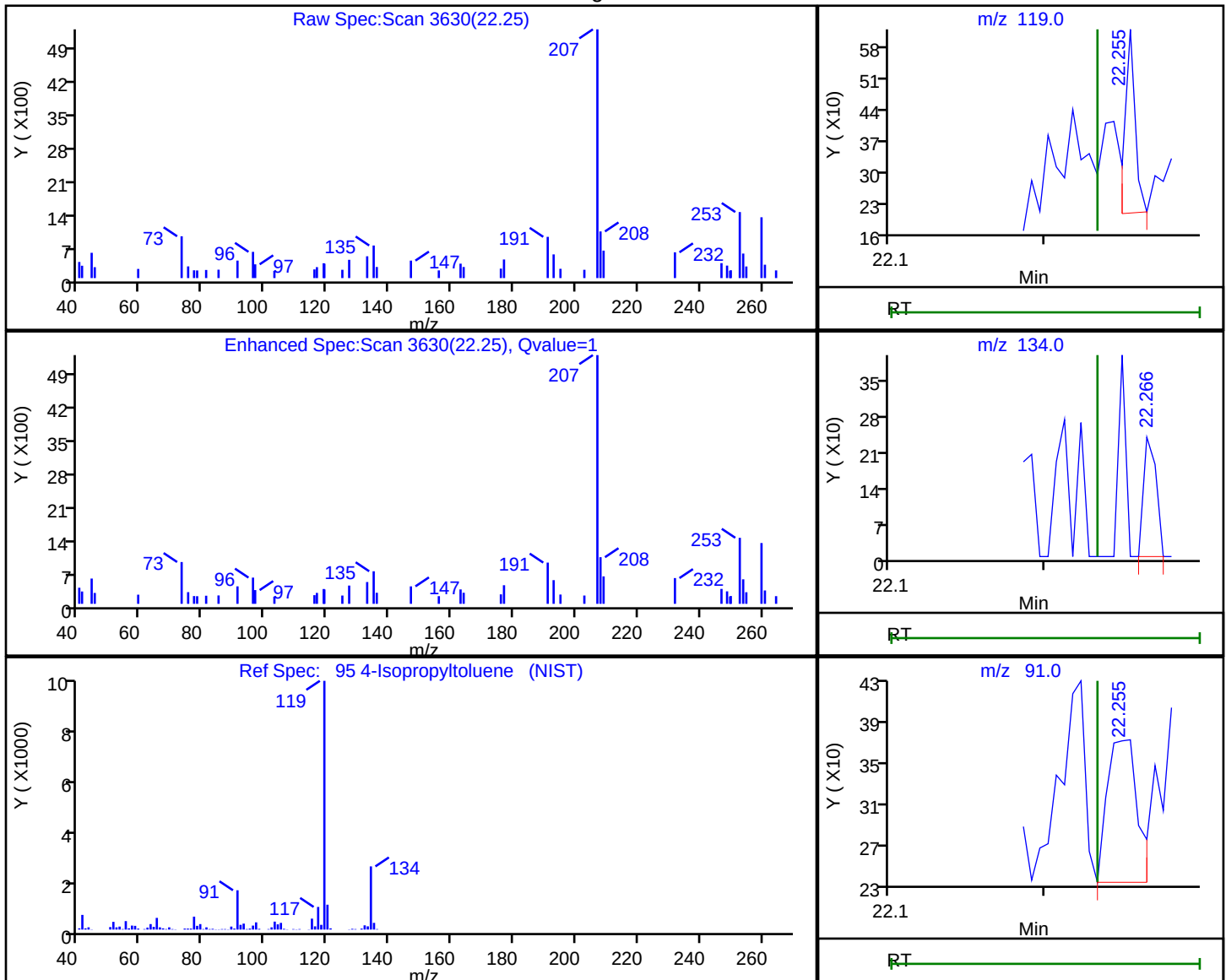
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200106-39464.b\39464-22.D
Injection Date: 07-Jan-2020 02:52:30 Instrument ID: CHC.i
Lims ID: 200-52059-A-6 Lab Sample ID: 200-52059-6
Client ID: 4794
Operator ID: ggg ALS Bottle#: 20 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

95 4-Isopropyltoluene, CAS: 99-87-6

Processing Results



RT	Mass	Response	Amount
22.25	119.00	192	0.001096
22.27	134.00	135	
22.25	91.00	182	

Reviewer: puangmaleek, 07-Jan-2020 15:47:57

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200106-39464.b\39464-22.D

Injection Date: 07-Jan-2020 02:52:30

Instrument ID: CHC.i

Lims ID: 200-52059-A-6

Lab Sample ID: 200-52059-6

Client ID: 4794

Operator ID: ggg

ALS Bottle#: 20

Worklist Smp#: 22

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_(v1)_CHC.i

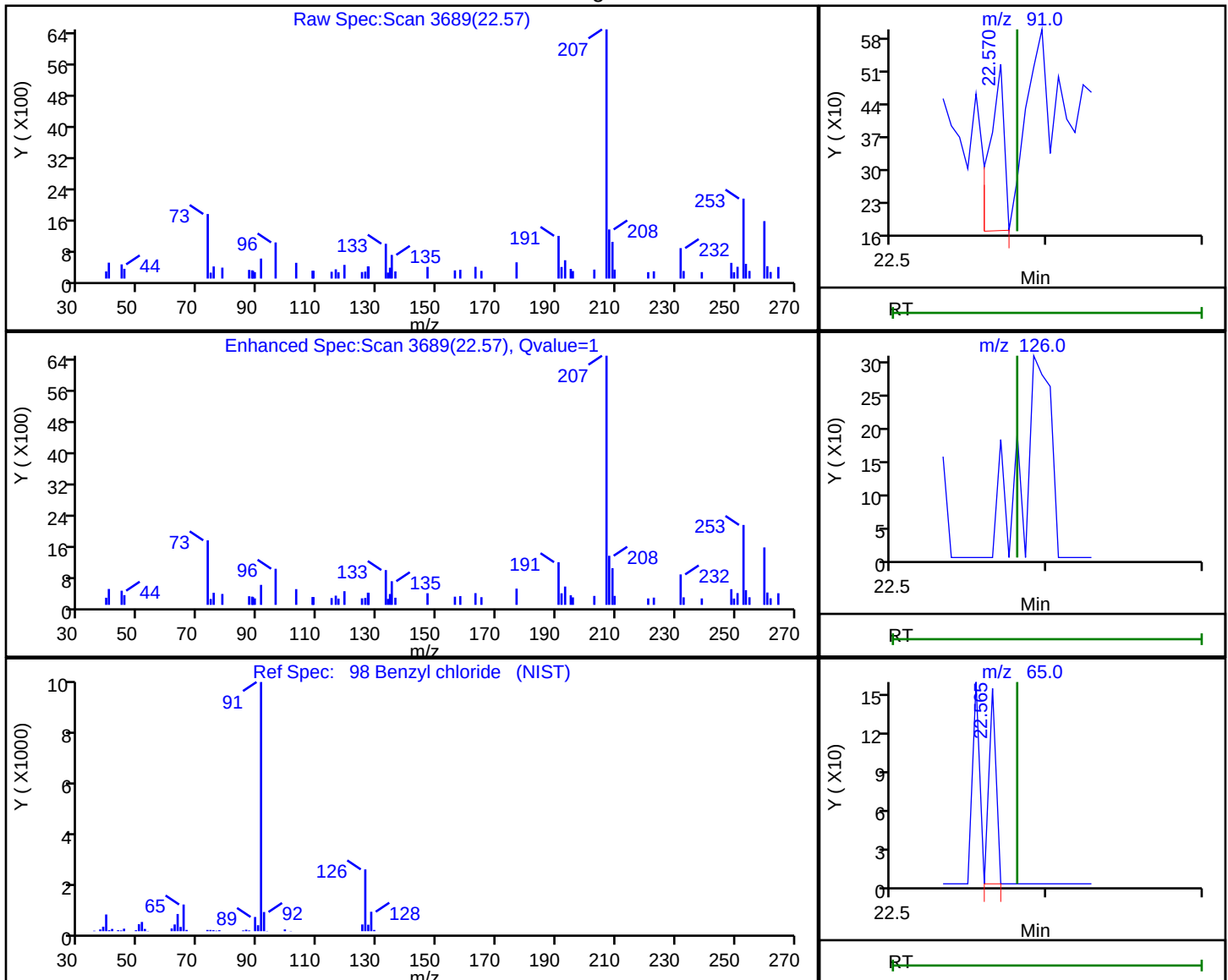
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

98 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
22.57	91.00	221	0.001844
22.56	65.00	49	
22.58	126.00	0	

Reviewer: puangmaleek, 07-Jan-2020 15:47:59

Audit Action: Marked Compound Undetected

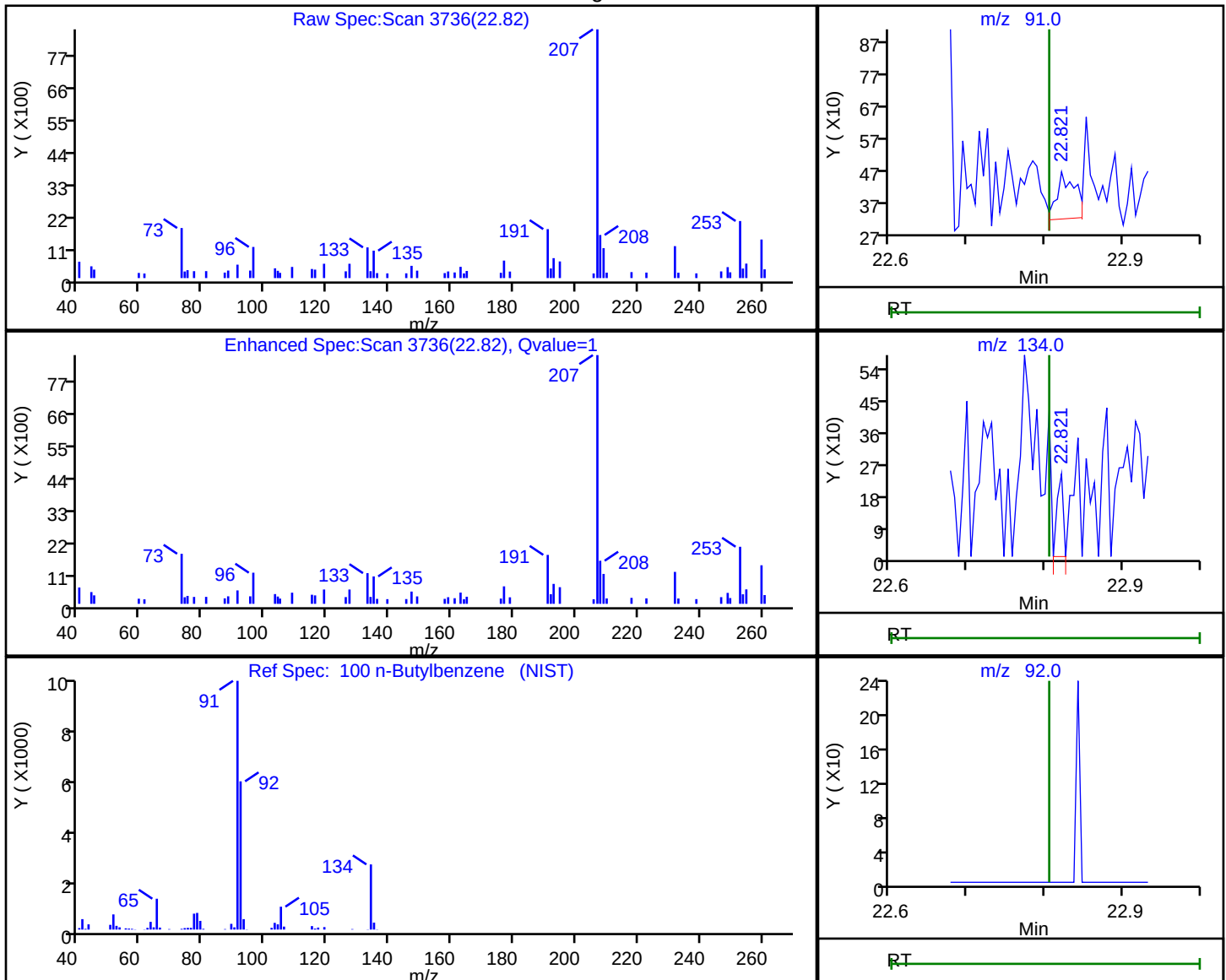
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200106-39464.b\39464-22.D
Injection Date: 07-Jan-2020 02:52:30 Instrument ID: CHC.i
Lims ID: 200-52059-A-6 Lab Sample ID: 200-52059-6
Client ID: 4794
Operator ID: ggg ALS Bottle#: 20 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

100 n-Butylbenzene, CAS: 104-51-8

Processing Results



RT	Mass	Response	Amount
22.82	91.00	238	0.001451
22.82	134.00	129	
22.80	92.00	0	

Reviewer: puangmaleek, 07-Jan-2020 15:48:01

Audit Action: Marked Compound Undetected

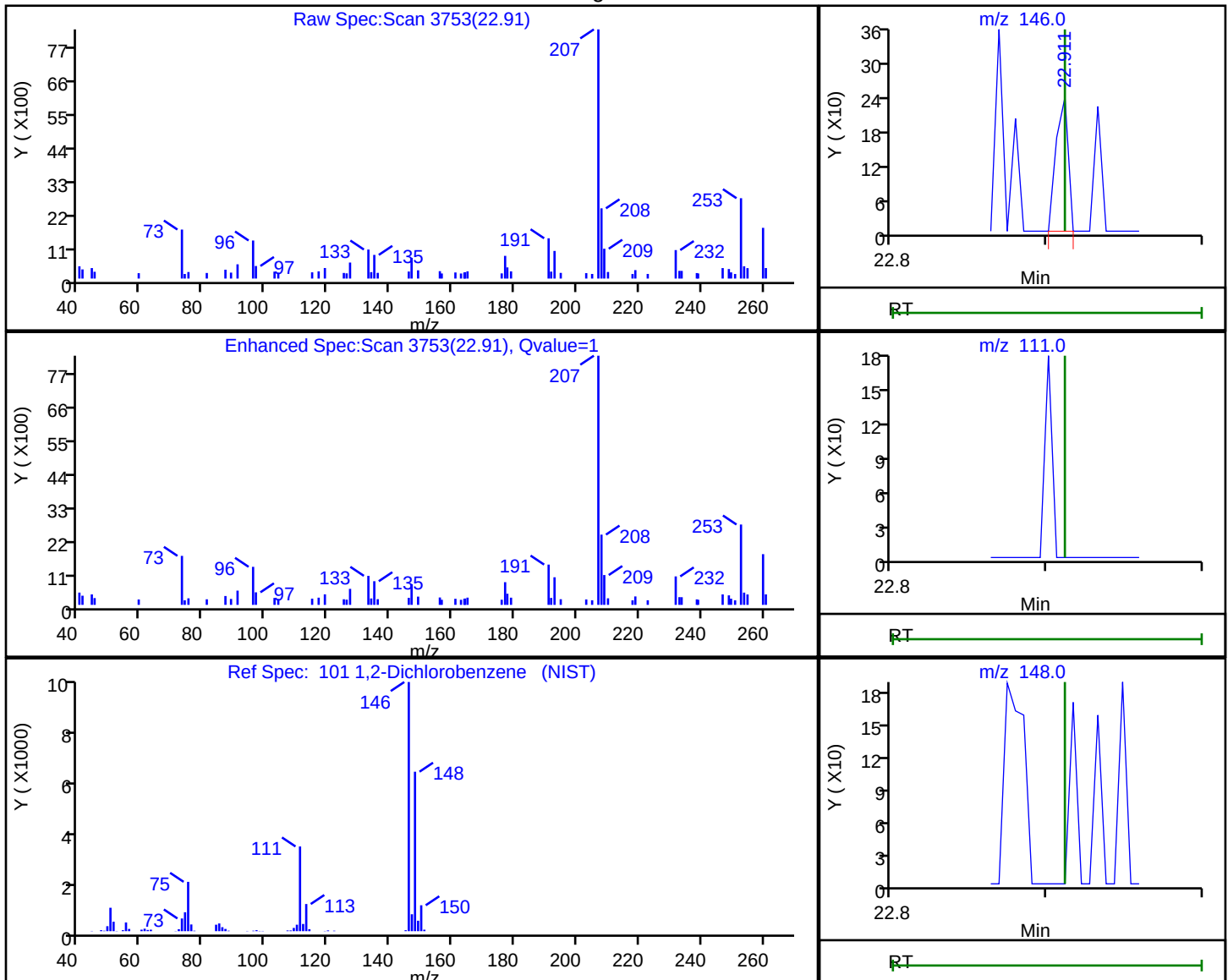
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200106-39464.b\39464-22.D
Injection Date: 07-Jan-2020 02:52:30 Instrument ID: CHC.i
Lims ID: 200-52059-A-6 Lab Sample ID: 200-52059-6
Client ID: 4794
Operator ID: ggg ALS Bottle#: 20 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

101 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
22.91	146.00	127	0.001327
22.91	111.00	0	
22.91	148.00	0	

Reviewer: puangmaleek, 07-Jan-2020 15:48:03

Audit Action: Marked Compound Undetected

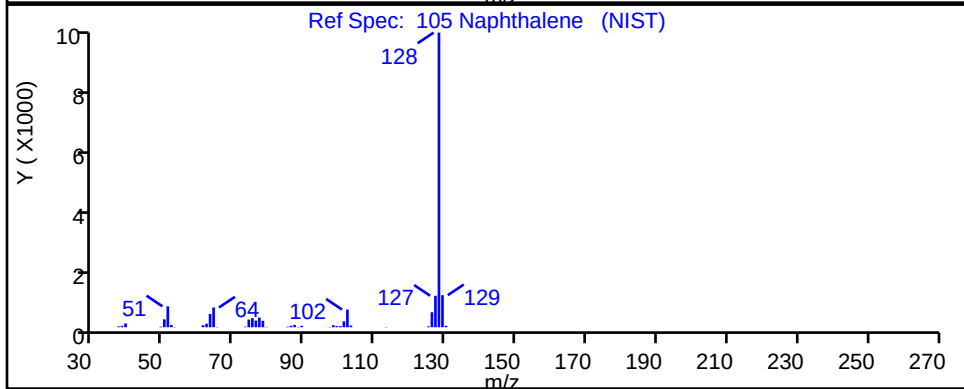
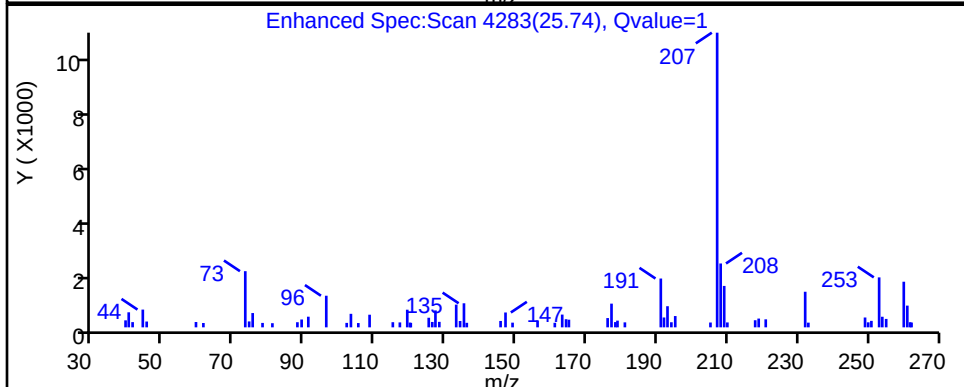
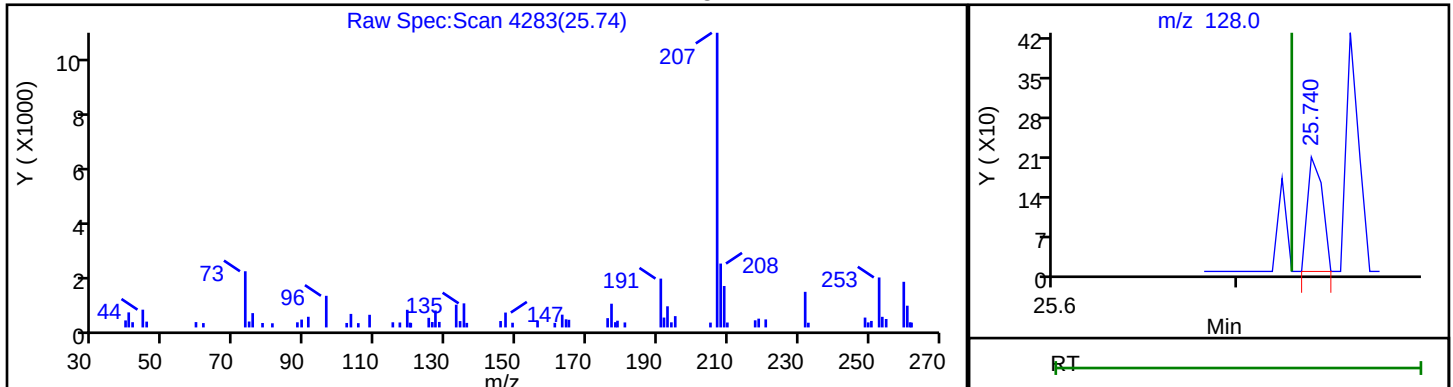
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHC.i\20200106-39464.b\39464-22.D
Injection Date: 07-Jan-2020 02:52:30 Instrument ID: CHC.i
Lims ID: 200-52059-A-6 Lab Sample ID: 200-52059-6
Client ID: 4794
Operator ID: ggg ALS Bottle#: 20 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

105 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
25.74	128.00	117	0.000888

Reviewer: puangmaleek, 07-Jan-2020 15:46:45

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52071-1
 SDG No.: _____
 Client Sample ID: 2596 Lab Sample ID: 200-52071-7
 Matrix: Air Lab File ID: 39532-14.D
 Analysis Method: TO-15 Date Collected: 01/02/2020 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/13/2020 19:02
 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.: 151371 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	0.080	U	0.080	0.080
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: Eurofins TestAmerica, Burlington Job No.: 200-52071-1
 SDG No.: _____
 Client Sample ID: 2596 Lab Sample ID: 200-52071-7
 Matrix: Air Lab File ID: 39532-14.D
 Analysis Method: TO-15 Date Collected: 01/02/2020 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/13/2020 19:02
 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.: 151371 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)	0.14	U	0.14	0.14
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: Eurofins TestAmerica, Burlington Job No.: 200-52071-1
 SDG No.: _____
 Client Sample ID: 2596 Lab Sample ID: 200-52071-7
 Matrix: Air Lab File ID: 39532-14.D
 Analysis Method: TO-15 Date Collected: 01/02/2020 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/13/2020 19:02
 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.: 151371 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

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\39532-14.D
 Lims ID: 200-52071-A-7
 Client ID: 2596
 Sample Type: Client
 Inject. Date: 13-Jan-2020 19:02:30 ALS Bottle#: 16 Worklist Smp#: 14
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0039532-014
 Operator ID: wrd Instrument ID: CHX.i
 Method: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 14-Jan-2020 11:21:06 Calib Date: 26-Nov-2019 03:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHX.i\20191125-38970.b\38970-15.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0337

First Level Reviewer: bunmaa

Date: 14-Jan-2020 11:21:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		4.088				ND	U
2 Dichlorodifluoromethane	85		4.174				ND	
3 Chlorodifluoromethane	51		4.243				ND	U
4 1,2-Dichloro-1,1,2,2-tetra	85		4.506				ND	
5 Chloromethane	50		4.693				ND	U
6 Butane	43		4.928				ND	U
7 Vinyl chloride	62		4.987				ND	
8 Butadiene	54		5.073				ND	
10 Bromomethane	94		5.864				ND	
11 Chloroethane	64		6.116				ND	
13 Vinyl bromide	106		6.533				ND	
14 Trichlorofluoromethane	101		6.629				ND	
17 Ethanol	45	7.207	7.207	0.027	51	1323	0.1252	M
20 1,1,2-Trichloro-1,2,2-trif	101		7.689				ND	
21 1,1-Dichloroethene	96		7.748				ND	
22 Acetone	43		7.967				ND	
23 Carbon disulfide	76	8.154	8.145	0.005	98	1767	0.0249	
24 Isopropyl alcohol	45		8.213				ND	U
25 3-Chloro-1-propene	41		8.491				ND	
27 Methylene Chloride	49		8.775				ND	
28 2-Methyl-2-propanol	59		8.935				ND	
29 Methyl tert-butyl ether	73		9.128				ND	
31 trans-1,2-Dichloroethene	61		9.181				ND	
33 Hexane	57		9.518				ND	
S 30 1,2-Dichloroethene, Total	61		9.665				ND	
34 1,1-Dichloroethane	63		10.000				ND	
35 Vinyl acetate	43		10.048				ND	
37 cis-1,2-Dichloroethene	96		11.038				ND	
38 2-Butanone (MEK)	72		11.064				ND	
39 Ethyl acetate	88		11.086				ND	
41 Tetrahydrofuran	42		11.466				ND	
* 40 Chlorobromomethane	128	11.471	11.471	0.000	68	208983	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
42 Chloroform	83		11.578				ND	
43 Cyclohexane	84		11.808				ND	
44 1,1,1-Trichloroethane	97		11.835				ND	
45 Carbon tetrachloride	117		12.059				ND	
46 Isooctane	57		12.429				ND	
47 Benzene	78		12.482				ND	
48 1,2-Dichloroethane	62		12.648				ND	
49 n-Heptane	43		12.771				ND	
* 50 1,4-Difluorobenzene	114	13.220	13.220	0.000	92	993179	10.0	
53 Trichloroethene	95		13.638				ND	
54 1,2-Dichloropropane	63		14.130				ND	
55 Methyl methacrylate	69		14.253				ND	
56 1,4-Dioxane	88		14.317				ND	
57 Dibromomethane	174		14.365				ND	
58 Dichlorobromomethane	83		14.617				ND	
60 cis-1,3-Dichloropropene	75		15.446				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.692				ND	
65 Toluene	92		15.981				ND	
66 trans-1,3-Dichloropropene	75		16.537				ND	
67 1,1,2-Trichloroethane	83		16.901				ND	
68 Tetrachloroethene	166		17.003				ND	
69 2-Hexanone	43		17.324				ND	
71 Chlorodibromomethane	129		17.655				ND	
72 Ethylene Dibromide	107		17.923				ND	
* 74 Chlorobenzene-d5	117	18.806	18.800	0.006	83	1016285	10.0	
75 Chlorobenzene	112		18.859				ND	
76 Ethylbenzene	91		18.998				ND	U
78 m-Xylene & p-Xylene	106		19.249				ND	
S 73 Xylenes, Total	106		19.600				ND	
79 o-Xylene	106		20.089				ND	
80 Styrene	104		20.143				ND	
81 Bromoform	173		20.581				ND	
82 Isopropylbenzene	105		20.774				ND	
84 1,1,2,2-Tetrachloroethane	83		21.443				ND	
85 N-Propylbenzene	91		21.502				ND	
88 4-Ethyltoluene	105		21.689				ND	
89 2-Chlorotoluene	91		21.700				ND	
90 1,3,5-Trimethylbenzene	105		21.796				ND	
92 tert-Butylbenzene	119		22.283				ND	
93 1,2,4-Trimethylbenzene	105		22.384				ND	
94 sec-Butylbenzene	105		22.614				ND	
95 4-Isopropyltoluene	119		22.812				ND	
96 1,3-Dichlorobenzene	146		22.850				ND	
97 1,4-Dichlorobenzene	146		22.989				ND	
98 Benzyl chloride	91		23.181				ND	
100 n-Butylbenzene	91		23.385				ND	
101 1,2-Dichlorobenzene	146		23.518				ND	
103 1,2,4-Trichlorobenzene	180		25.995				ND	
104 Hexachlorobutadiene	225		26.177				ND	
105 Naphthalene	128		26.477				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\39532-14.D

Injection Date: 13-Jan-2020 19:02:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: 200-52071-A-7

Lab Sample ID: 200-52071-7

Worklist Smp#: 14

Client ID: 2596

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

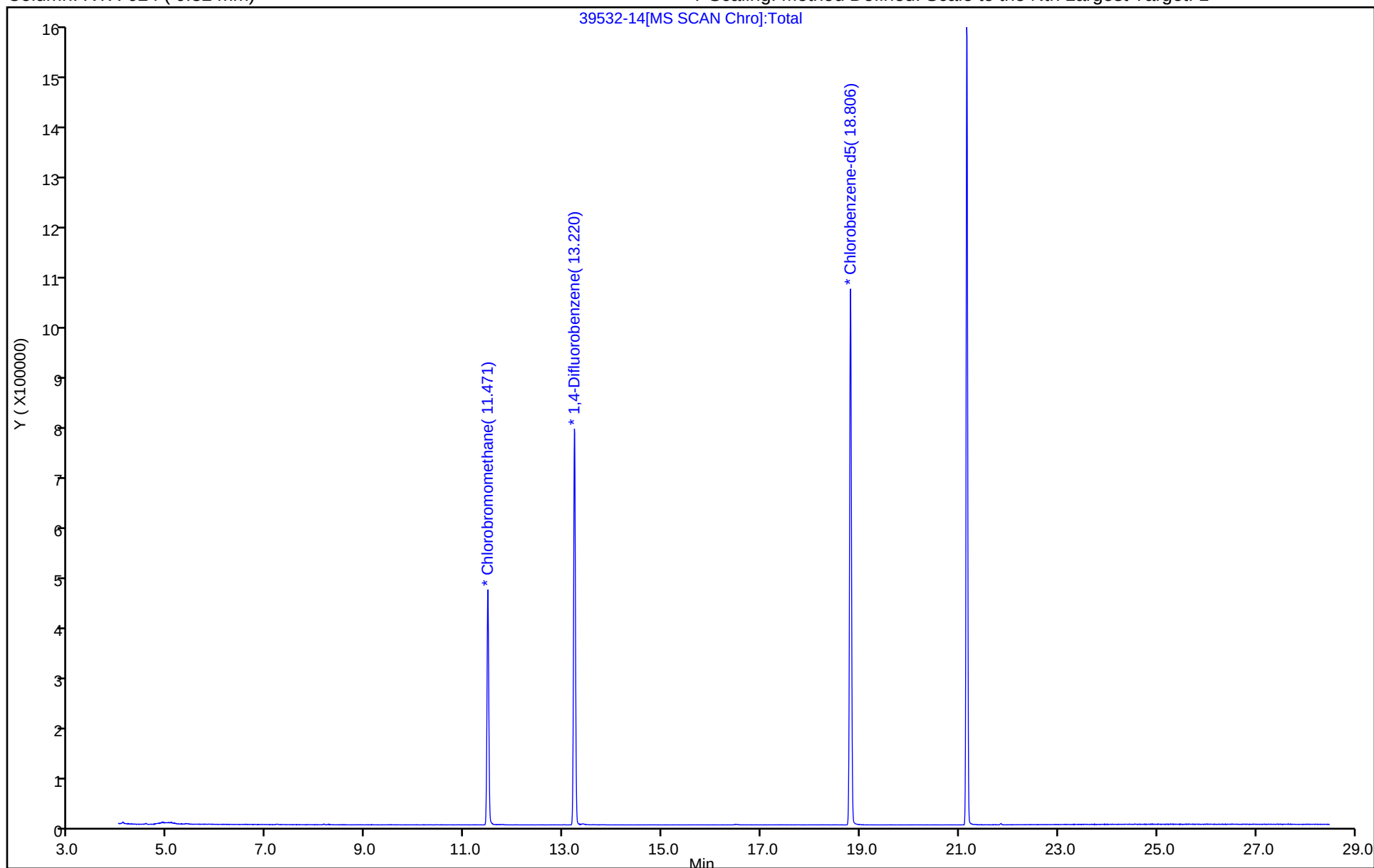
ALS Bottle#: 16

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\39532-14.D

Injection Date: 13-Jan-2020 19:02:30

Instrument ID: CHX.i

Lims ID: 200-52071-A-7

Lab Sample ID: 200-52071-7

Client ID: 2596

Operator ID: wrd

ALS Bottle#: 16

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_X.m

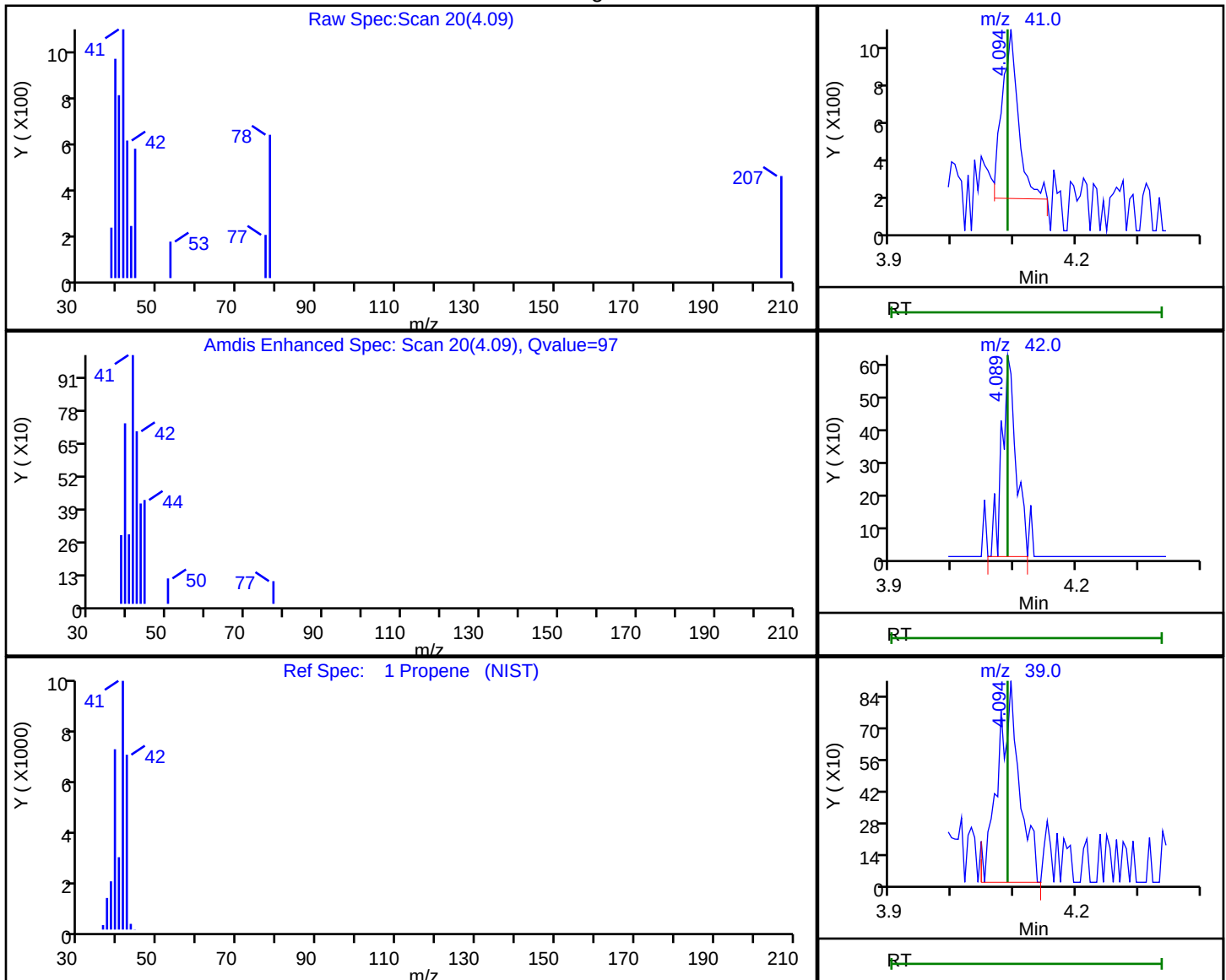
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

1 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
4.09	41.00	1583	0.081061
4.09	42.00	992	
4.09	39.00	2197	

Reviewer: bunmaa, 14-Jan-2020 11:18:49

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\39532-14.D

Injection Date: 13-Jan-2020 19:02:30

Instrument ID: CHX.i

Lims ID: 200-52071-A-7

Lab Sample ID: 200-52071-7

Client ID: 2596

Operator ID: wrd

ALS Bottle#: 16 Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_X.m

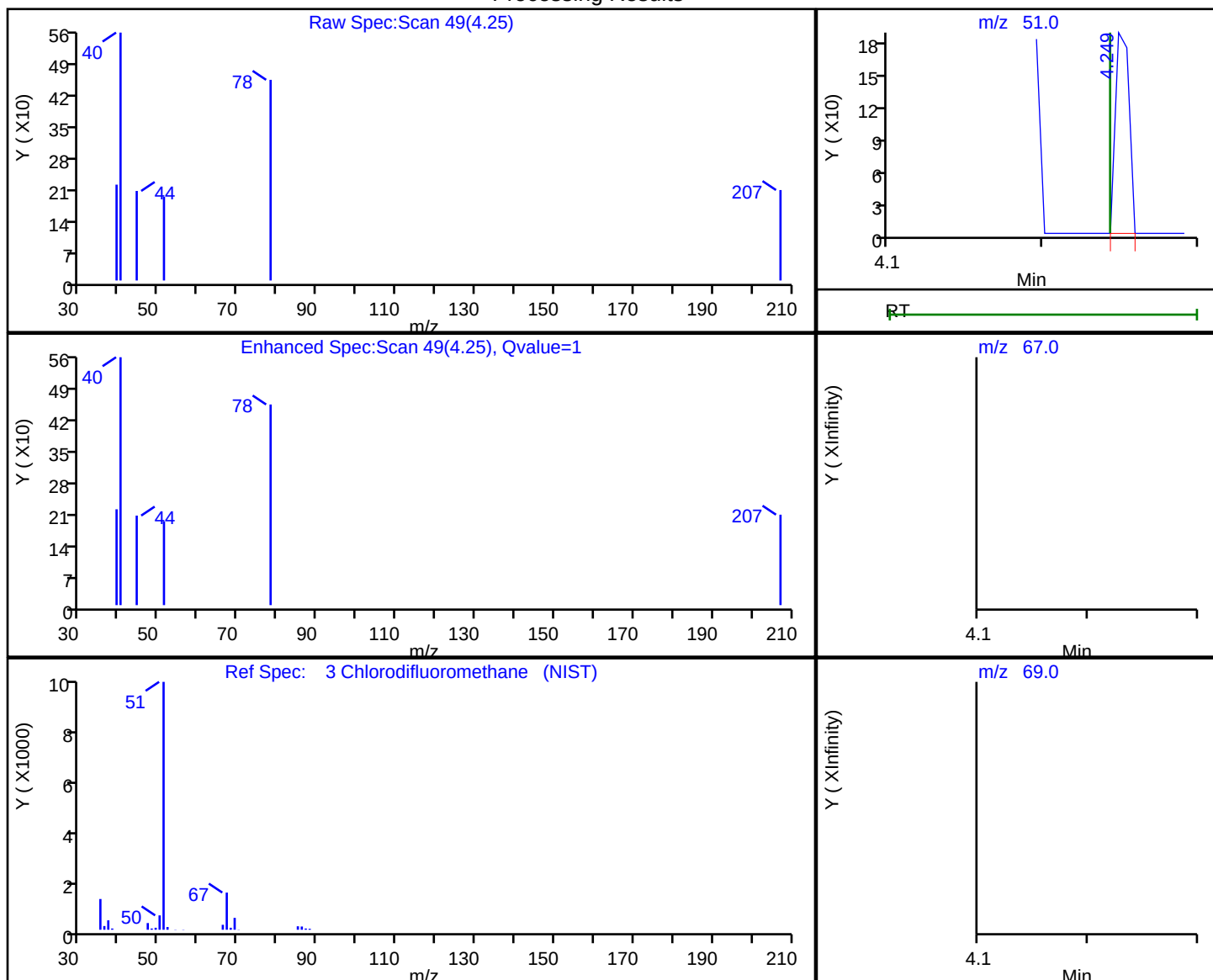
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

3 Chlorodifluoromethane, CAS: 75-45-6

Processing Results



RT	Mass	Response	Amount
4.25	51.00	115	0.002656
4.24	67.00	0	
4.24	69.00	0	

Reviewer: bunmaa, 14-Jan-2020 11:18:53

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\39532-14.D

Injection Date: 13-Jan-2020 19:02:30

Instrument ID: CHX.i

Lims ID: 200-52071-A-7

Lab Sample ID: 200-52071-7

Client ID: 2596

Operator ID: wrd

ALS Bottle#: 16 Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_X.m

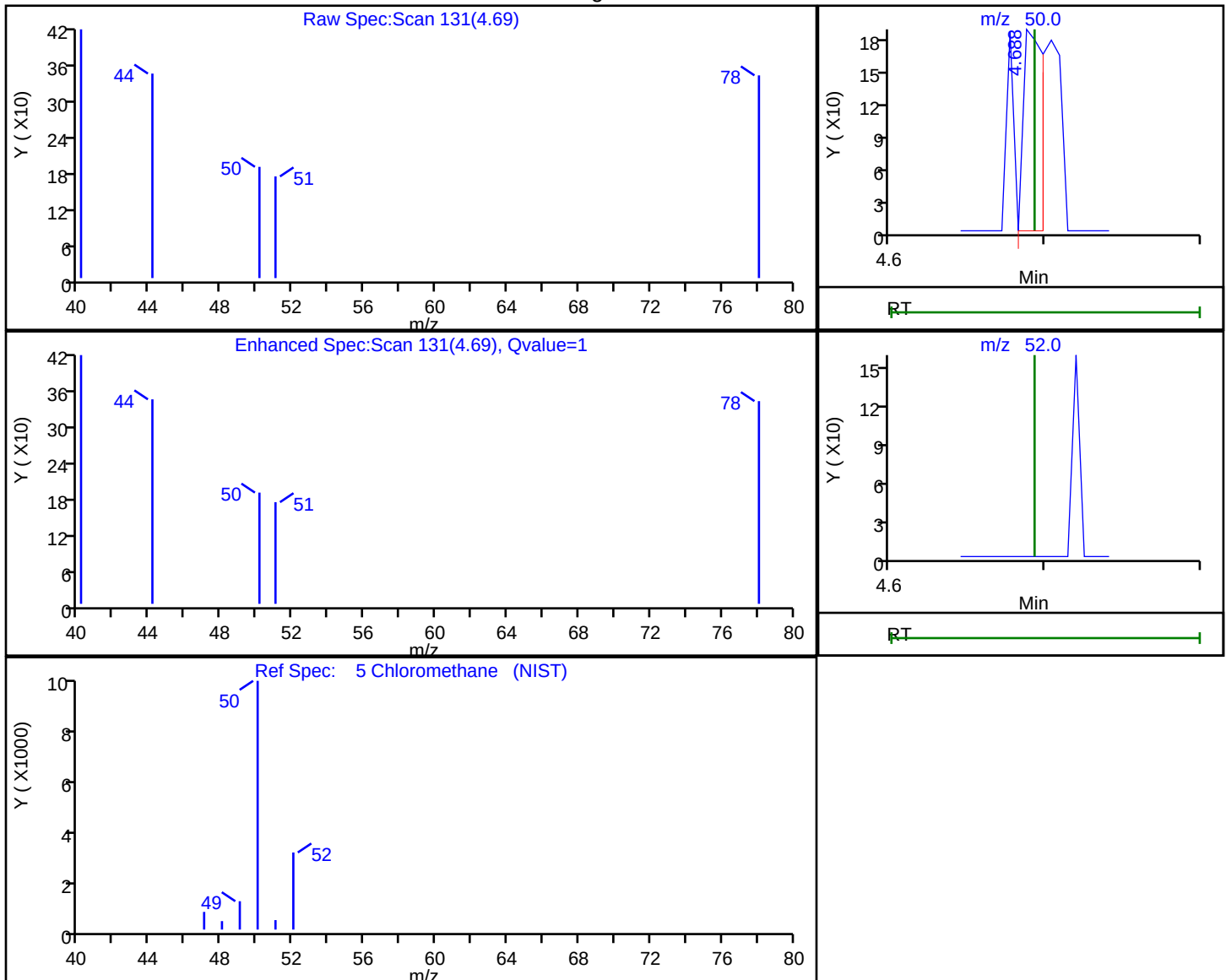
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

5 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
4.69	50.00	169	0.005904
4.69	52.00	0	

Reviewer: bunmaa, 14-Jan-2020 11:18:57

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\39532-14.D

Injection Date: 13-Jan-2020 19:02:30

Instrument ID: CHX.i

Lims ID: 200-52071-A-7

Lab Sample ID: 200-52071-7

Client ID: 2596

Operator ID: wrd

ALS Bottle#: 16

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_X.m

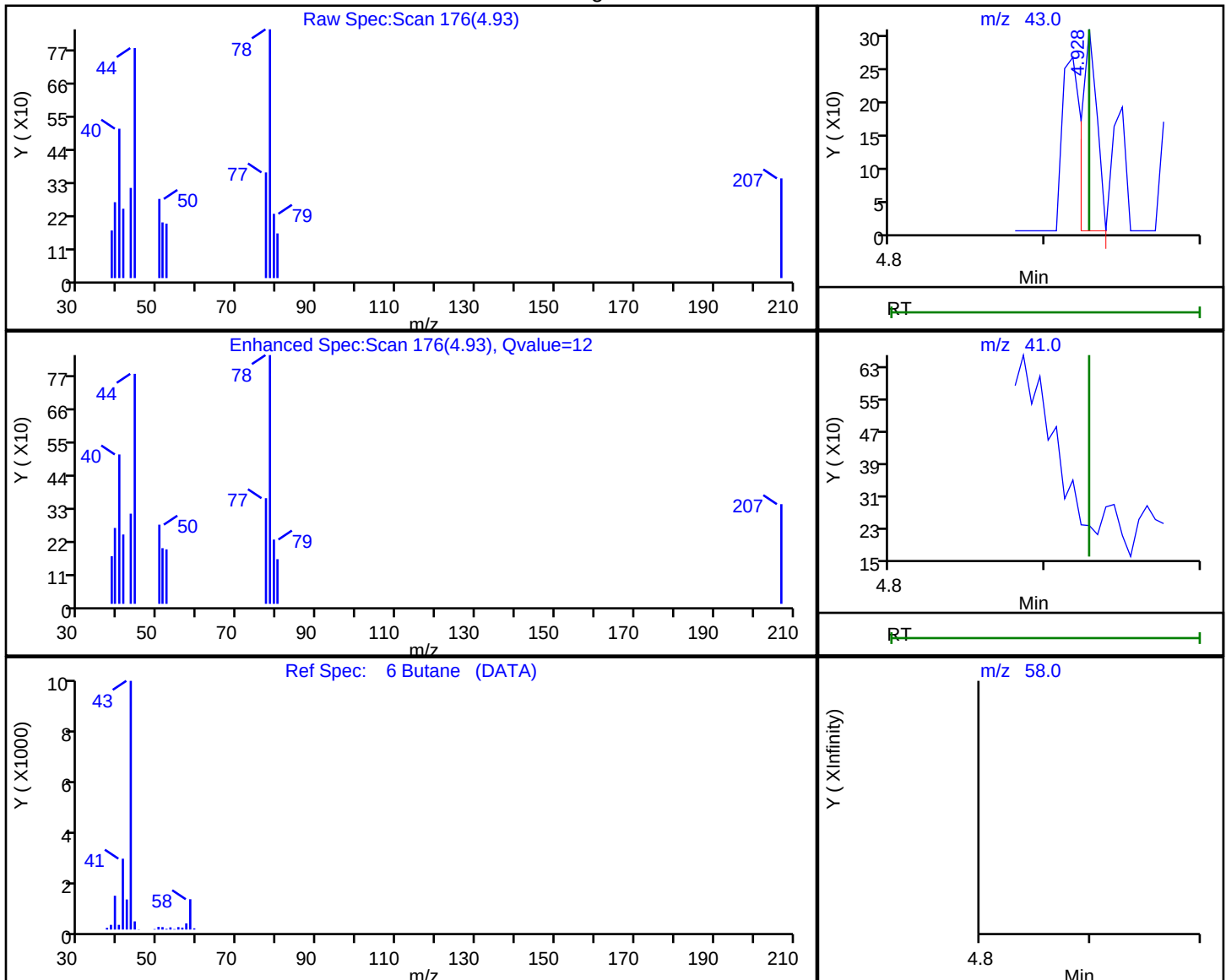
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

6 Butane, CAS: 106-97-8

Processing Results



RT	Mass	Response	Amount
4.93	43.00	204	0.006210
4.93	41.00	0	
4.93	58.00	0	

Reviewer: bunmaa, 14-Jan-2020 11:19:02

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\39532-14.D

Injection Date: 13-Jan-2020 19:02:30

Instrument ID: CHX.i

Lims ID: 200-52071-A-7

Lab Sample ID: 200-52071-7

Client ID: 2596

Operator ID: wrd

ALS Bottle#: 16

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

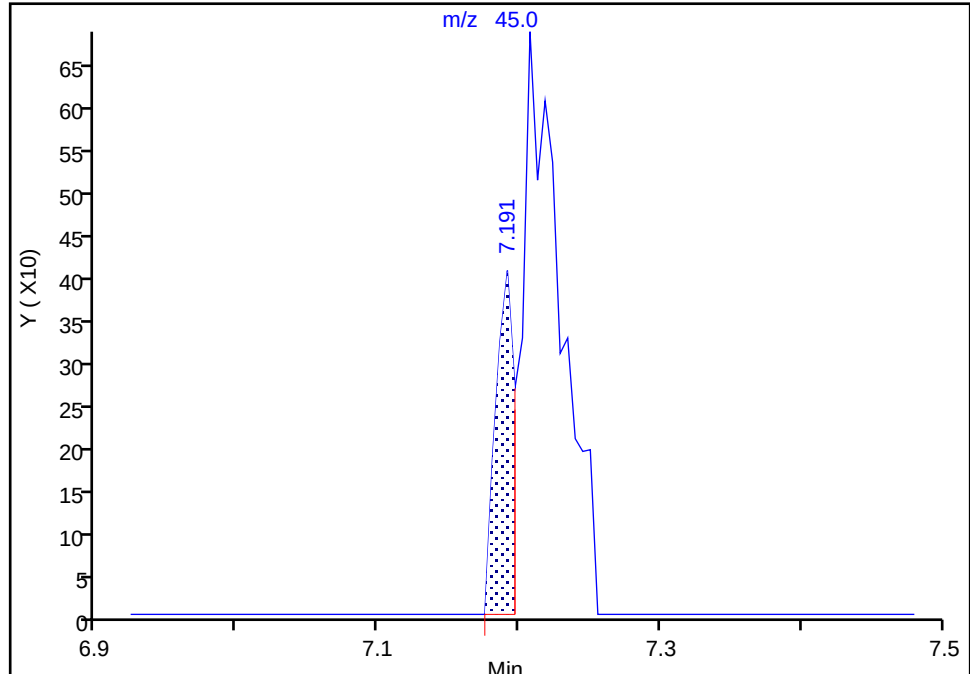
Detector: MS SCAN

17 Ethanol, CAS: 64-17-5

Signal: 1

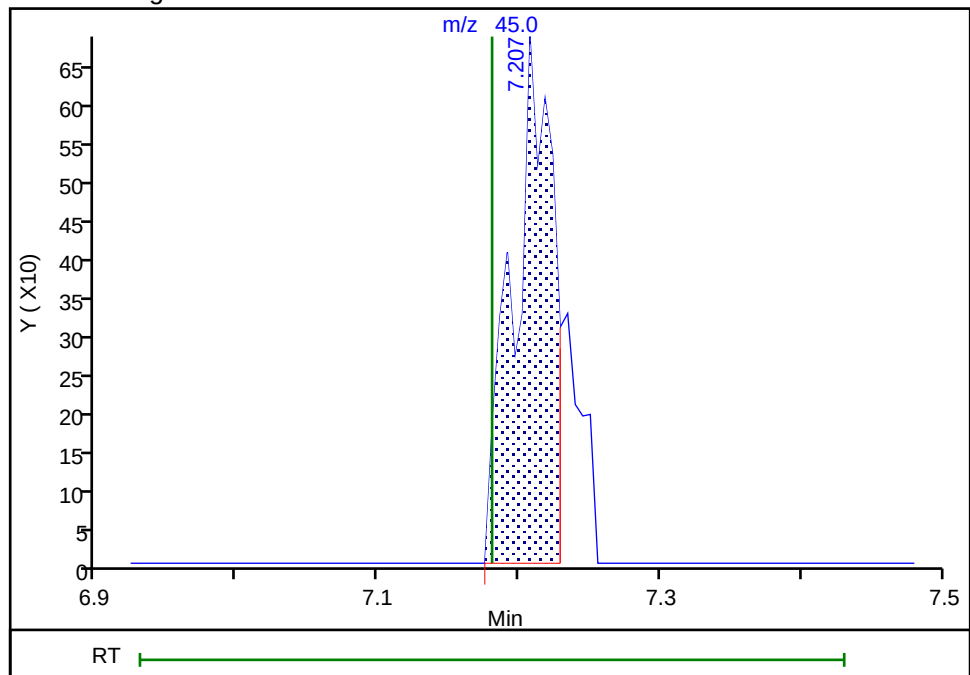
RT: 7.19
Area: 375
Amount: 0.035501
Amount Units: ppb v/v

Processing Integration Results



RT: 7.21
Area: 1323
Amount: 0.125247
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 14-Jan-2020 11:19:19

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\39532-14.D

Injection Date: 13-Jan-2020 19:02:30

Instrument ID: CHX.i

Lims ID: 200-52071-A-7

Lab Sample ID: 200-52071-7

Client ID: 2596

Operator ID: wrd

ALS Bottle#: 16 Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_X.m

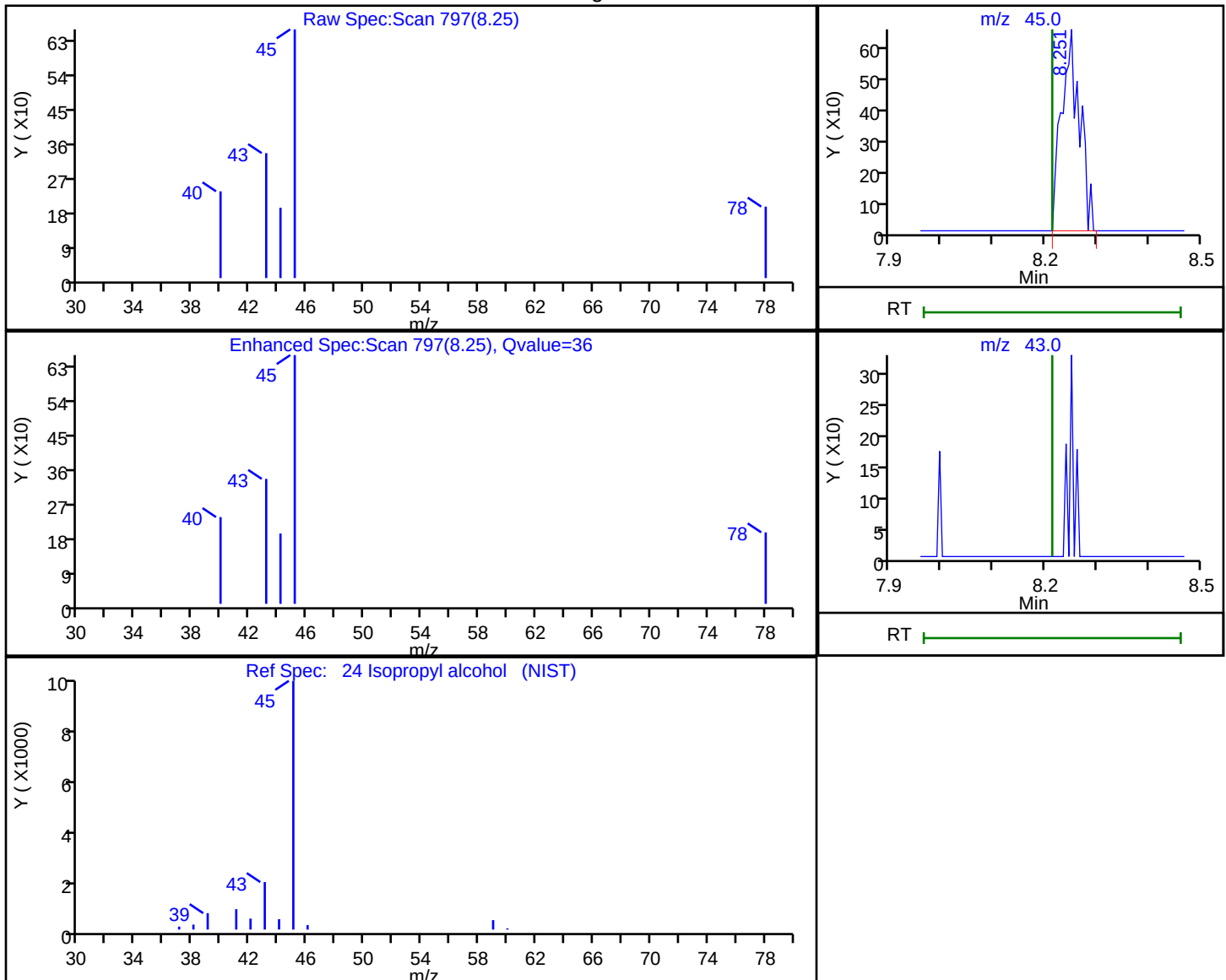
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

Processing Results



RT	Mass	Response	Amount
8.25	45.00	1585	0.066977
8.21	43.00	0	

Reviewer: bunmaa, 14-Jan-2020 11:19:53

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\39532-14.D

Injection Date: 13-Jan-2020 19:02:30

Instrument ID: CHX.i

Lims ID: 200-52071-A-7

Lab Sample ID: 200-52071-7

Client ID: 2596

Operator ID: wrd

ALS Bottle#: 16

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_X.m

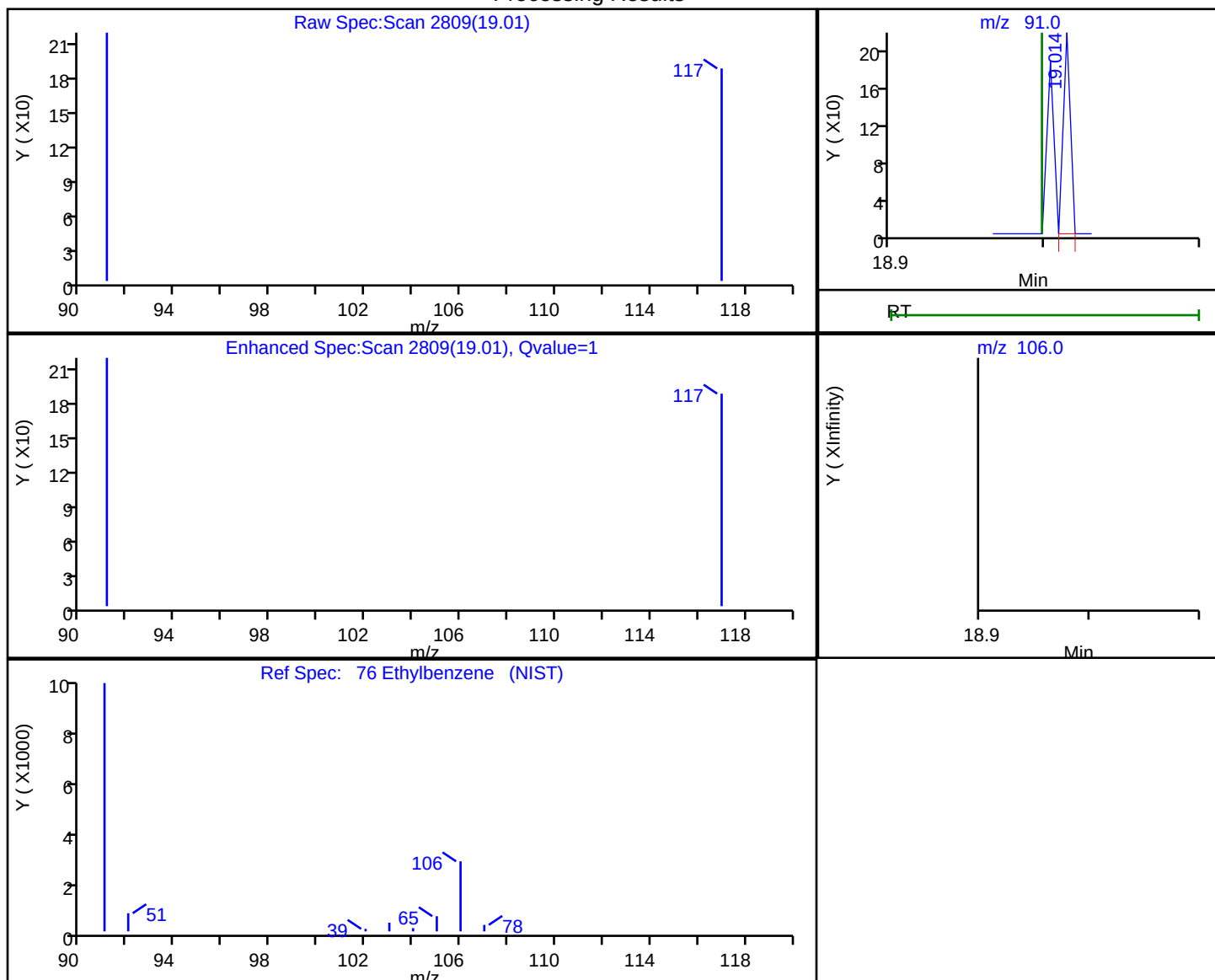
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 Ethylbenzene, CAS: 100-41-4

Processing Results



RT	Mass	Response	Amount
19.01	91.00	69	0.000433
19.00	106.00	0	

Reviewer: bunmaa, 14-Jan-2020 11:20:33

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52091-1
 SDG No.: _____
 Client Sample ID: 4542 Lab Sample ID: 200-52091-5
 Matrix: Air Lab File ID: 39532-12.D
 Analysis Method: TO-15 Date Collected: 01/04/2020 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/13/2020 17:06
 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.: 151371 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	0.080	U	0.080	0.080
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: Eurofins TestAmerica, Burlington Job No.: 200-52091-1

SDG No.: _____

Client Sample ID: 4542 Lab Sample ID: 200-52091-5

Matrix: Air Lab File ID: 39532-12.D

Analysis Method: TO-15 Date Collected: 01/04/2020 00:00

Sample wt/vol: 1000 (mL) Date Analyzed: 01/13/2020 17:06

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.: 151371 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)	0.14	U	0.14	0.14
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: Eurofins TestAmerica, Burlington Job No.: 200-52091-1
 SDG No.: _____
 Client Sample ID: 4542 Lab Sample ID: 200-52091-5
 Matrix: Air Lab File ID: 39532-12.D
 Analysis Method: TO-15 Date Collected: 01/04/2020 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/13/2020 17:06
 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.: 151371 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

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\39532-12.D
 Lims ID: 200-52091-A-5
 Client ID: 4542
 Sample Type: Client
 Inject. Date: 13-Jan-2020 17:06:30 ALS Bottle#: 14 Worklist Smp#: 12
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0039532-012
 Operator ID: wrd Instrument ID: CHX.i
 Method: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 14-Jan-2020 11:13:41 Calib Date: 26-Nov-2019 03:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CHX.i\20191125-38970.b\38970-15.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX0337

First Level Reviewer: bunmaa

Date: 14-Jan-2020 11:13:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		4.088				ND	U
2 Dichlorodifluoromethane	85		4.174				ND	
3 Chlorodifluoromethane	51		4.243				ND	U
4 1,2-Dichloro-1,1,2,2-tetra	85		4.506				ND	
5 Chloromethane	50		4.693				ND	U
6 Butane	43		4.928				ND	
7 Vinyl chloride	62		4.987				ND	
8 Butadiene	54		5.073				ND	
10 Bromomethane	94		5.864				ND	
11 Chloroethane	64		6.116				ND	
13 Vinyl bromide	106		6.533				ND	
14 Trichlorofluoromethane	101		6.629				ND	
17 Ethanol	45	7.207	7.207	0.027	52	752	0.0680	M
20 1,1,2-Trichloro-1,2,2-trif	101		7.689				ND	
21 1,1-Dichloroethene	96		7.748				ND	
22 Acetone	43		7.967				ND	U
23 Carbon disulfide	76		8.149				ND	U
24 Isopropyl alcohol	45		8.213				ND	U
25 3-Chloro-1-propene	41		8.491				ND	
27 Methylene Chloride	49		8.775				ND	
28 2-Methyl-2-propanol	59		8.935				ND	
29 Methyl tert-butyl ether	73		9.128				ND	
31 trans-1,2-Dichloroethene	61		9.181				ND	
33 Hexane	57		9.518				ND	
S 30 1,2-Dichloroethene, Total	61		9.665				ND	
34 1,1-Dichloroethane	63		10.000				ND	
35 Vinyl acetate	43		10.048				ND	
37 cis-1,2-Dichloroethene	96		11.038				ND	
38 2-Butanone (MEK)	72		11.064				ND	
39 Ethyl acetate	88		11.086				ND	
41 Tetrahydrofuran	42		11.466				ND	
* 40 Chlorobromomethane	128	11.471	11.471	0.000	67	218844	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
42 Chloroform	83		11.578				ND	
43 Cyclohexane	84		11.808				ND	
44 1,1,1-Trichloroethane	97		11.835				ND	
45 Carbon tetrachloride	117		12.059				ND	
46 Isooctane	57		12.429				ND	
47 Benzene	78		12.482				ND	
48 1,2-Dichloroethane	62		12.648				ND	
49 n-Heptane	43		12.771				ND	
* 50 1,4-Difluorobenzene	114	13.220	13.220	0.000	92	1042397	10.0	
53 Trichloroethene	95		13.638				ND	
54 1,2-Dichloropropane	63		14.130				ND	
55 Methyl methacrylate	69		14.253				ND	
56 1,4-Dioxane	88		14.317				ND	
57 Dibromomethane	174		14.365				ND	
58 Dichlorobromomethane	83		14.617				ND	
60 cis-1,3-Dichloropropene	75		15.446				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.692				ND	
65 Toluene	92		15.981				ND	
66 trans-1,3-Dichloropropene	75		16.537				ND	
67 1,1,2-Trichloroethane	83		16.901				ND	
68 Tetrachloroethene	166		17.003				ND	
69 2-Hexanone	43		17.324				ND	
71 Chlorodibromomethane	129		17.655				ND	
72 Ethylene Dibromide	107		17.923				ND	
* 74 Chlorobenzene-d5	117	18.806	18.800	0.006	83	1055451	10.0	
75 Chlorobenzene	112		18.859				ND	
76 Ethylbenzene	91		18.998				ND	U
78 m-Xylene & p-Xylene	106		19.249				ND	
S 73 Xylenes, Total	106		19.600				ND	
79 o-Xylene	106		20.089				ND	
80 Styrene	104		20.143				ND	
81 Bromoform	173		20.581				ND	
82 Isopropylbenzene	105		20.774				ND	
84 1,1,2,2-Tetrachloroethane	83		21.443				ND	
85 N-Propylbenzene	91		21.502				ND	
88 4-Ethyltoluene	105		21.689				ND	
89 2-Chlorotoluene	91		21.700				ND	
90 1,3,5-Trimethylbenzene	105		21.796				ND	
92 tert-Butylbenzene	119		22.283				ND	
93 1,2,4-Trimethylbenzene	105		22.384				ND	
94 sec-Butylbenzene	105		22.614				ND	
95 4-Isopropyltoluene	119		22.812				ND	
96 1,3-Dichlorobenzene	146		22.850				ND	U
97 1,4-Dichlorobenzene	146		22.989				ND	U
98 Benzyl chloride	91		23.181				ND	
100 n-Butylbenzene	91		23.385				ND	
101 1,2-Dichlorobenzene	146		23.518				ND	U
103 1,2,4-Trichlorobenzene	180		25.995				ND	U
104 Hexachlorobutadiene	225		26.177				ND	
105 Naphthalene	128		26.477				ND	U

QC Flag Legend

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\39532-12.D

Injection Date: 13-Jan-2020 17:06:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: 200-52091-A-5

Lab Sample ID: 200-52091-5

Worklist Smp#: 12

Client ID: 4542

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

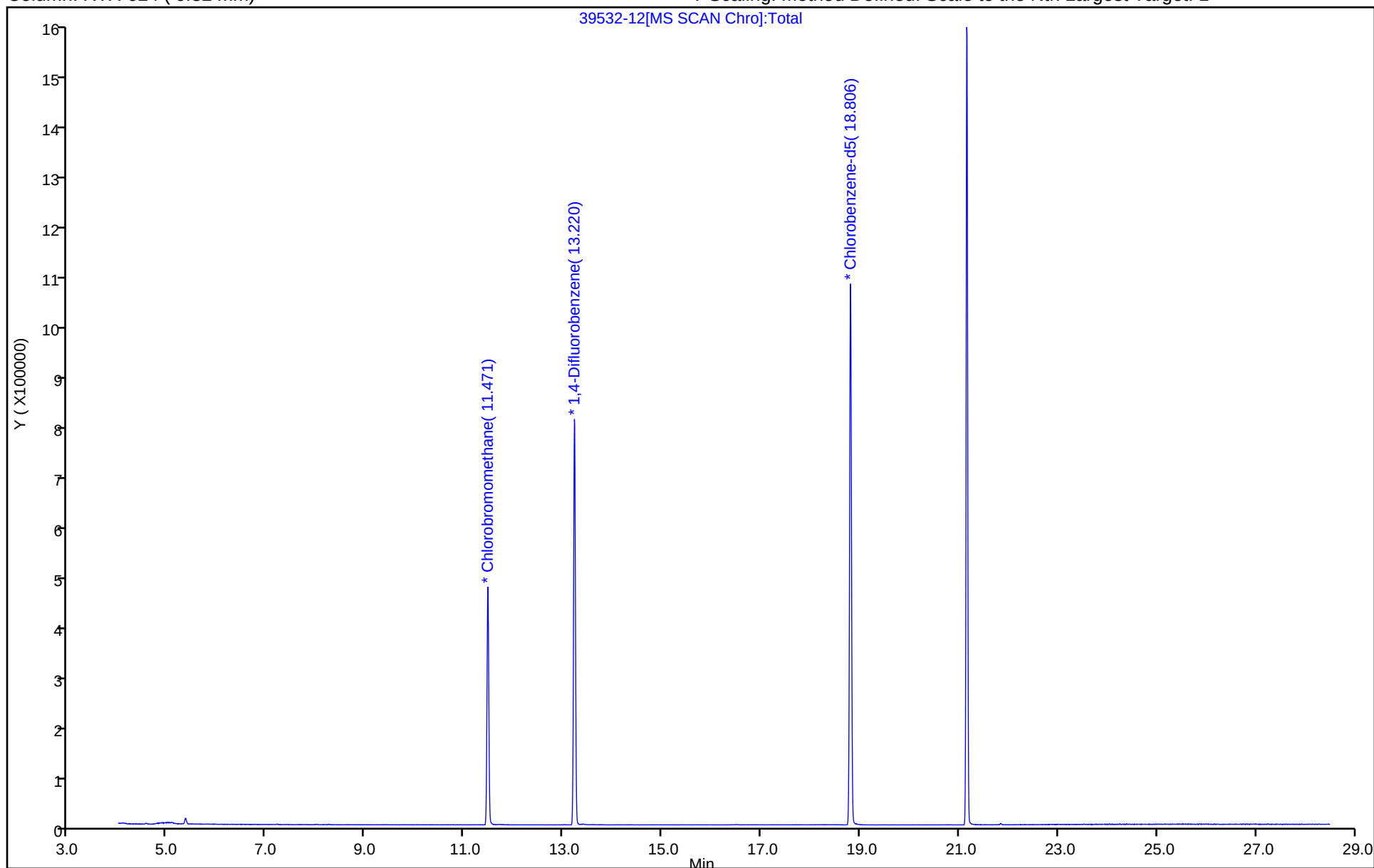
ALS Bottle#: 14

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\39532-12.D

Injection Date: 13-Jan-2020 17:06:30

Instrument ID: CHX.i

Lims ID: 200-52091-A-5

Lab Sample ID: 200-52091-5

Client ID: 4542

Operator ID: wrd

ALS Bottle#: 14 Worklist Smp#: 12

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_X.m

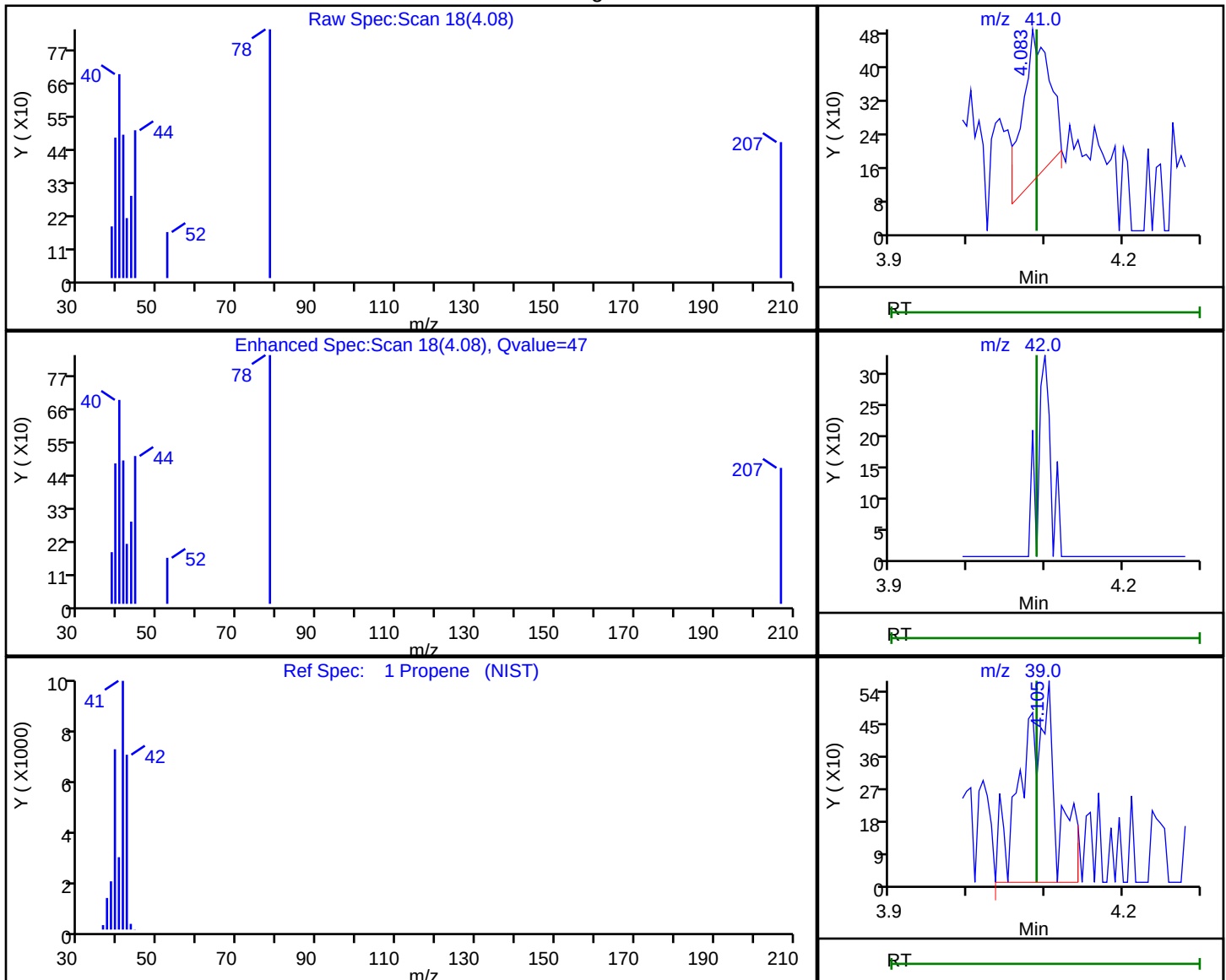
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

1 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
4.08	41.00	853	0.041712
4.09	42.00	0	
4.10	39.00	1694	

Reviewer: bunmaa, 14-Jan-2020 11:10:50

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\39532-12.D

Injection Date: 13-Jan-2020 17:06:30

Instrument ID: CHX.i

Lims ID: 200-52091-A-5

Lab Sample ID: 200-52091-5

Client ID: 4542

Operator ID: wrd

ALS Bottle#: 14 Worklist Smp#: 12

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_X.m

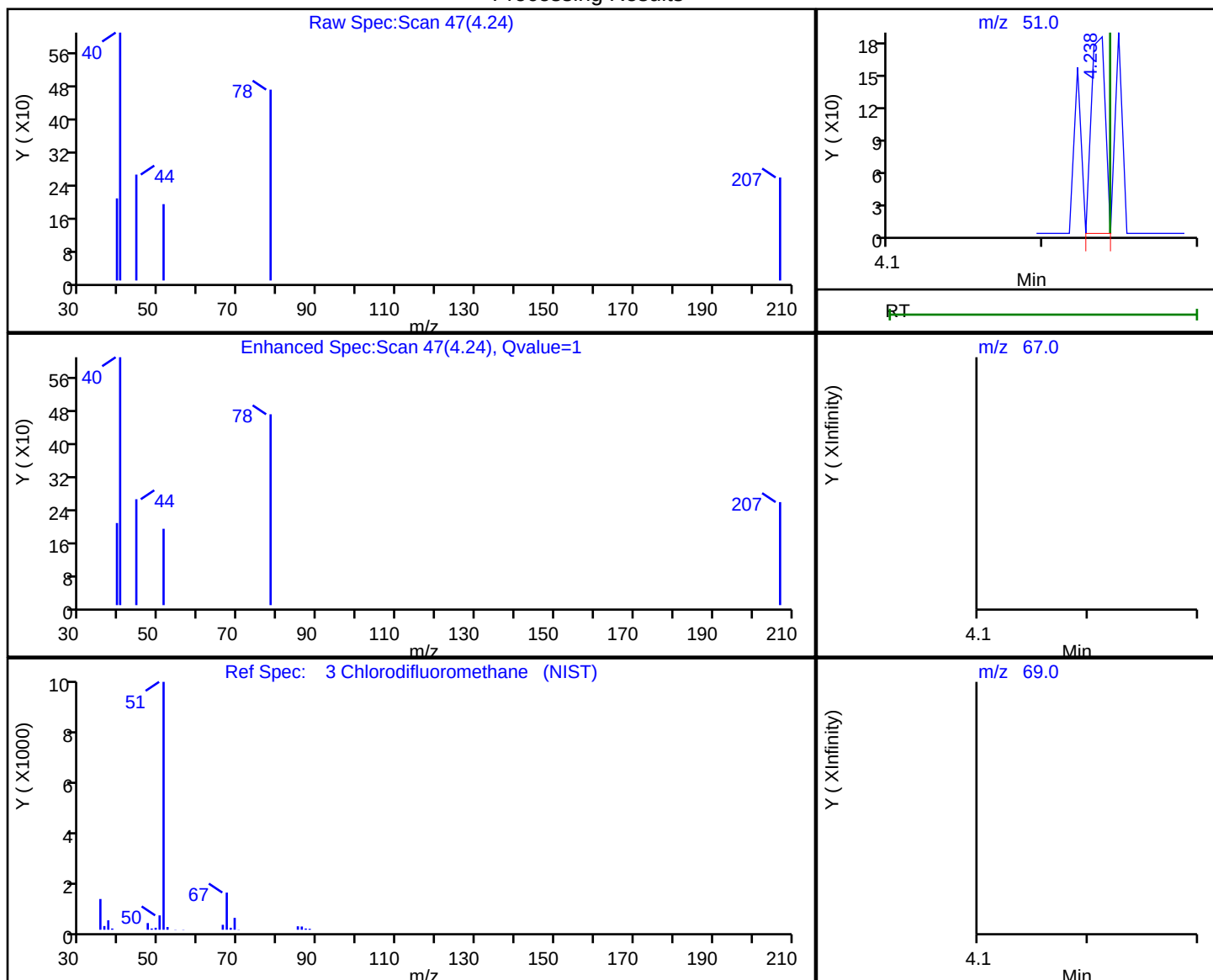
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

3 Chlorodifluoromethane, CAS: 75-45-6

Processing Results



RT	Mass	Response	Amount
4.24	51.00	117	0.002580
4.24	67.00	0	
4.24	69.00	0	

Reviewer: bunmaa, 14-Jan-2020 11:10:54

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\39532-12.D

Injection Date: 13-Jan-2020 17:06:30

Instrument ID: CHX.i

Lims ID: 200-52091-A-5

Lab Sample ID: 200-52091-5

Client ID: 4542

Operator ID: wrd

ALS Bottle#: 14 Worklist Smp#: 12

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_X.m

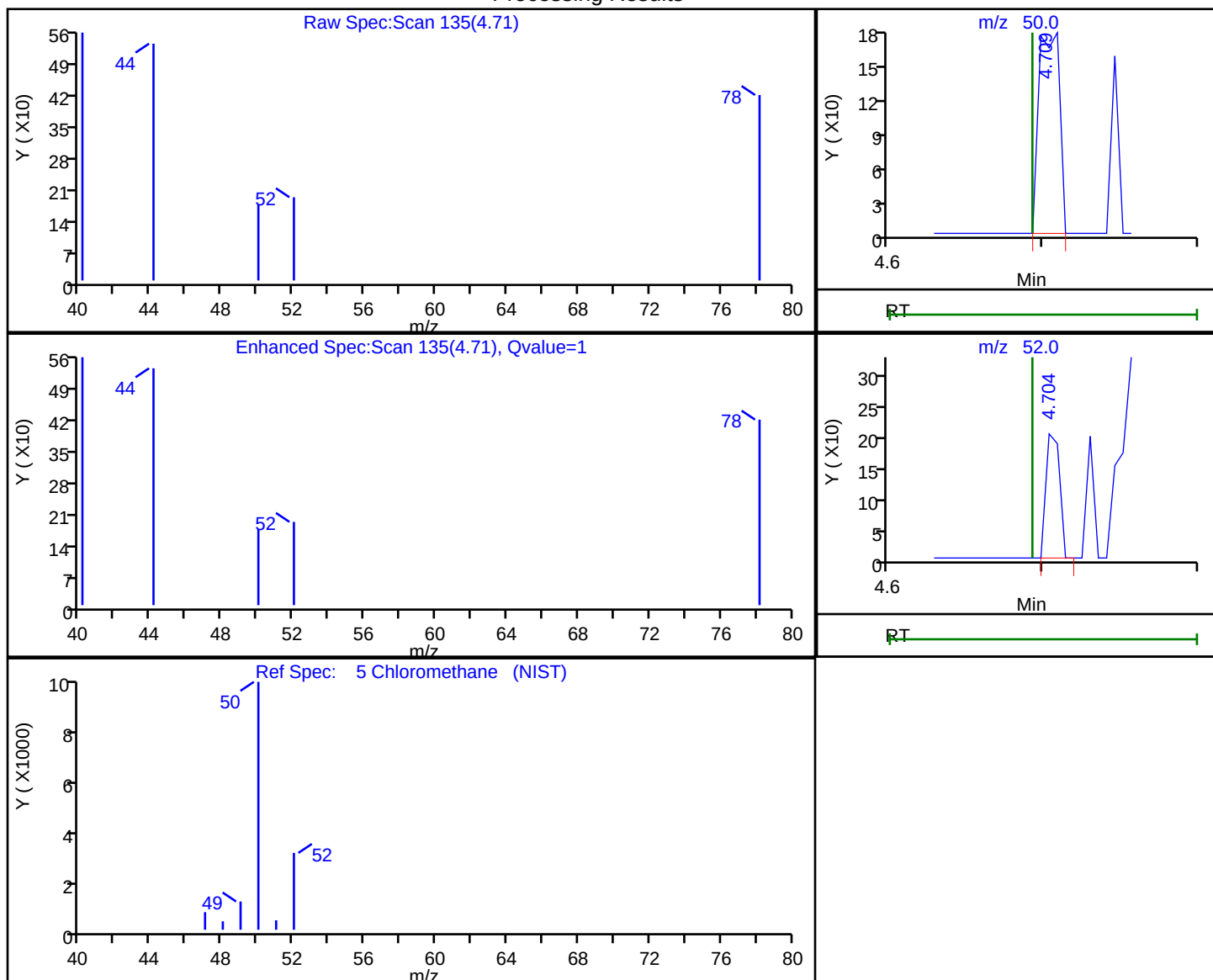
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

5 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
4.71	50.00	160	0.005338
4.70	52.00	126	

Reviewer: bunmaa, 14-Jan-2020 11:10:59

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

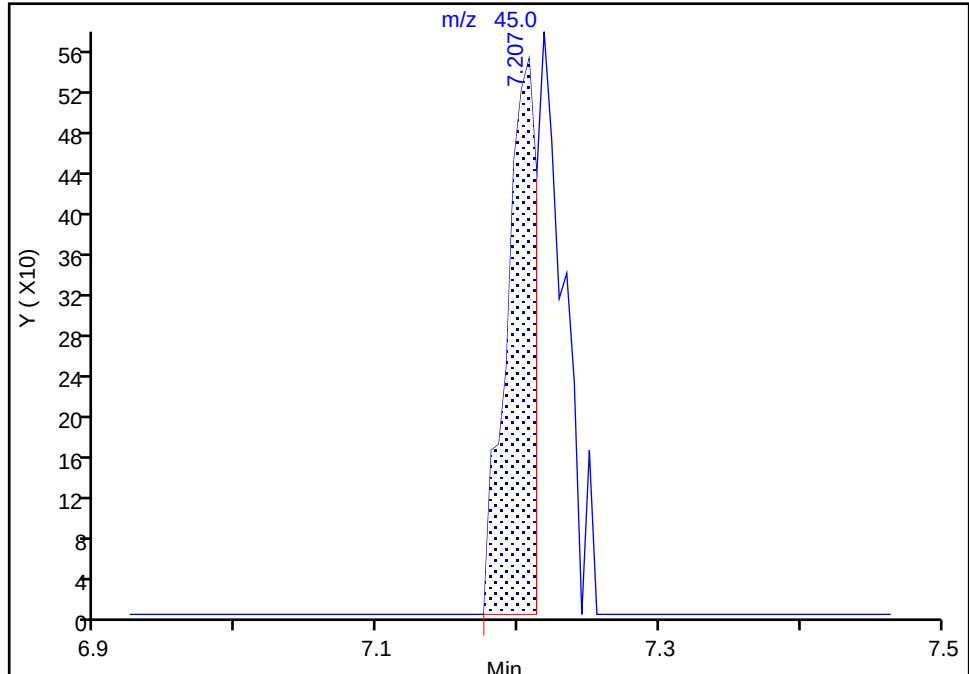
Data File:	\\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\39532-12.D		
Injection Date:	13-Jan-2020 17:06:30	Instrument ID:	CHX.i
Lims ID:	200-52091-A-5	Lab Sample ID:	200-52091-5
Client ID:	4542		
Operator ID:	wrd	ALS Bottle#:	14
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	12

17 Ethanol, CAS: 64-17-5

Signal: 1

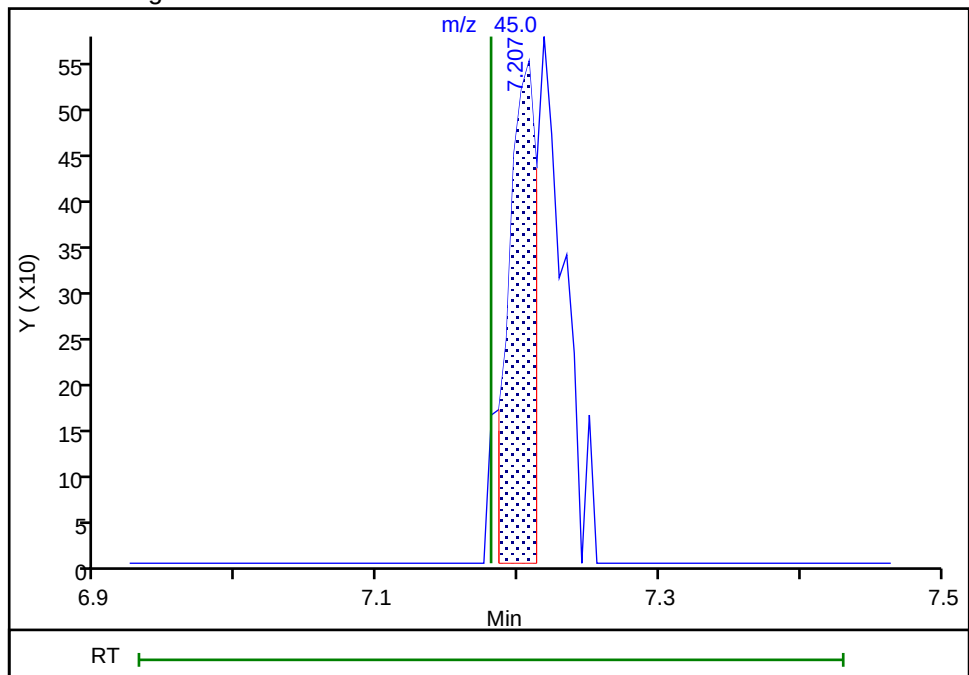
RT: 7.21
Area: 804
Amount: 0.072684
Amount Units: ppb v/v

Processing Integration Results



RT: 7.21
Area: 752
Amount: 0.067983
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 14-Jan-2020 11:11:51

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\39532-12.D

Injection Date: 13-Jan-2020 17:06:30

Instrument ID: CHX.i

Lims ID: 200-52091-A-5

Lab Sample ID: 200-52091-5

Client ID: 4542

Operator ID: wrd

ALS Bottle#: 14 Worklist Smp#: 12

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_X.m

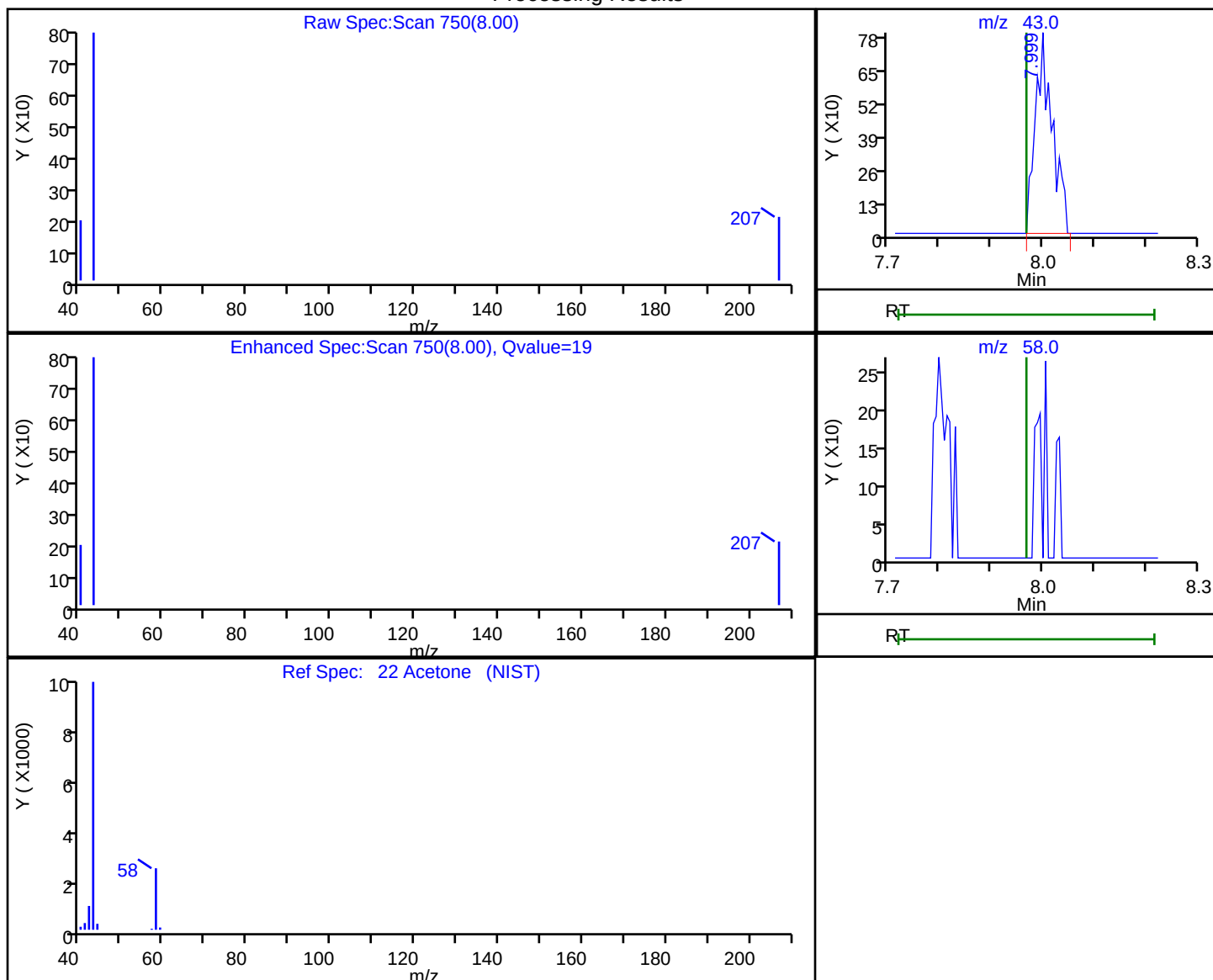
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

22 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
8.00	43.00	1813	0.069069
7.97	58.00	0	

Reviewer: bunmaa, 14-Jan-2020 11:12:15

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\39532-12.D

Injection Date: 13-Jan-2020 17:06:30

Instrument ID: CHX.i

Lims ID: 200-52091-A-5

Lab Sample ID: 200-52091-5

Client ID: 4542

Operator ID: wrd

ALS Bottle#: 14 Worklist Smp#: 12

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_X.m

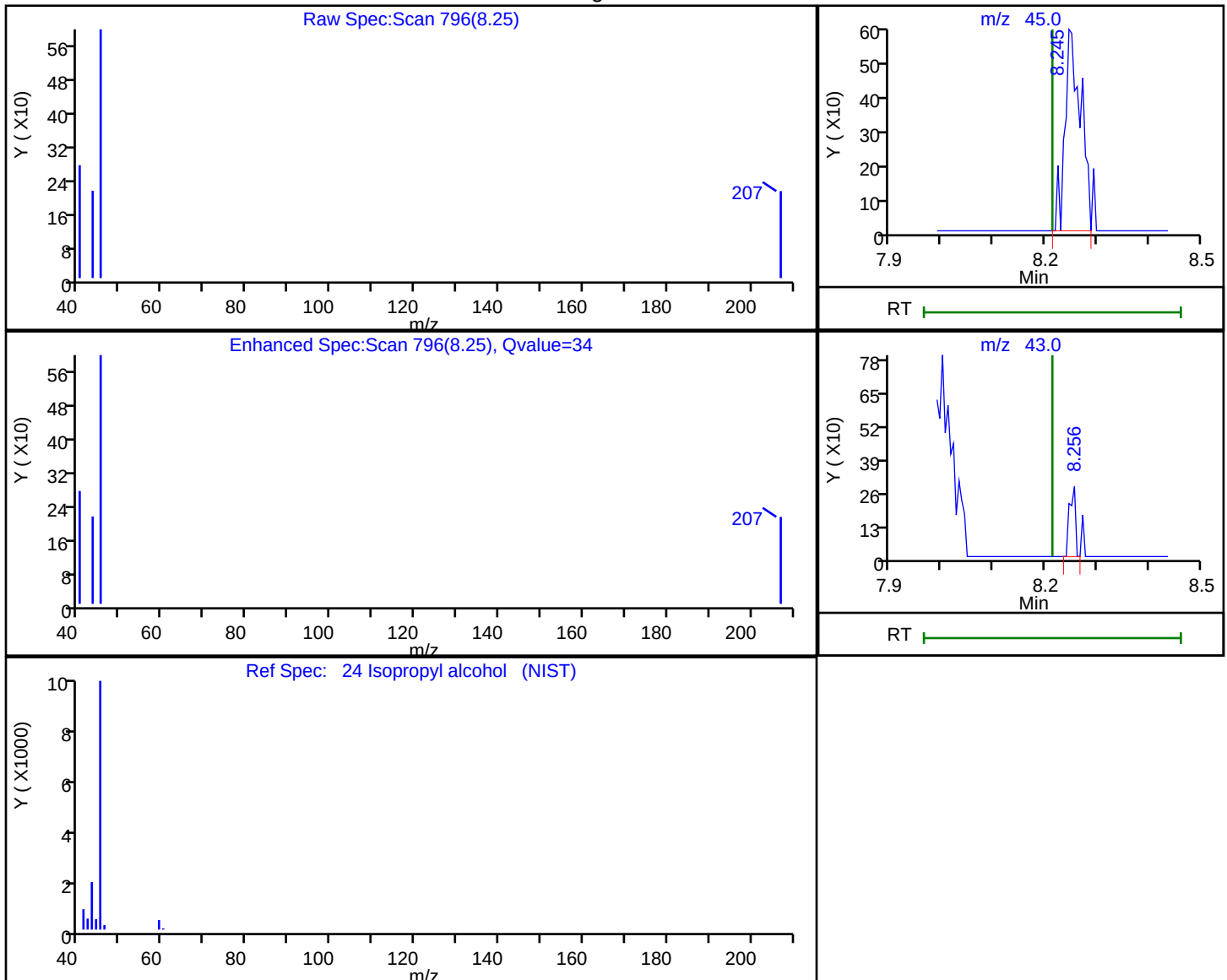
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

Processing Results



RT	Mass	Response	Amount
8.25	45.00	1278	0.051571
8.26	43.00	220	

Reviewer: bunmaa, 14-Jan-2020 11:12:21

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\39532-12.D

Injection Date: 13-Jan-2020 17:06:30

Instrument ID: CHX.i

Lims ID: 200-52091-A-5

Lab Sample ID: 200-52091-5

Client ID: 4542

Operator ID: wrd

ALS Bottle#: 14 Worklist Smp#: 12

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_X.m

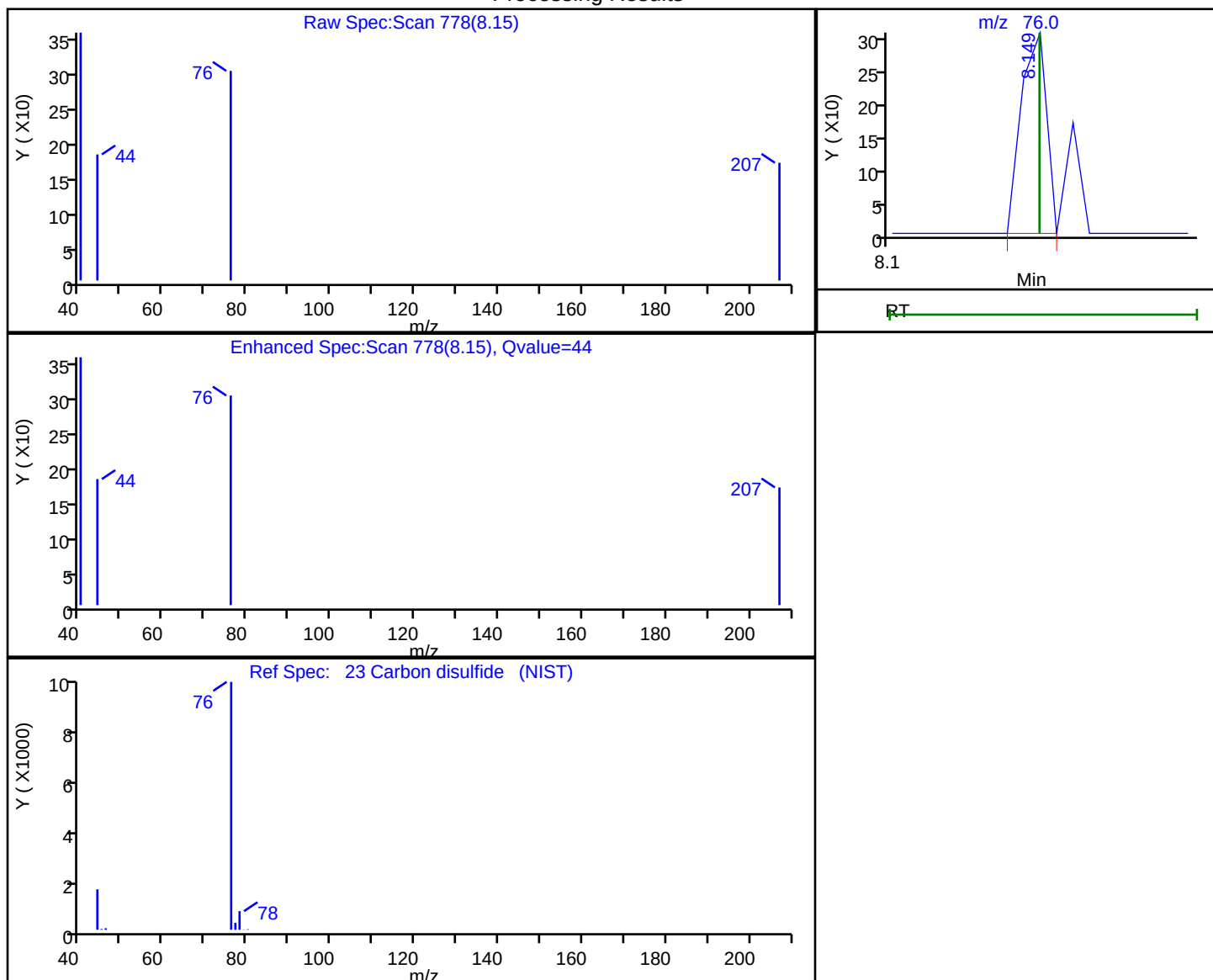
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

23 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
8.15	76.00	171	0.002304

Reviewer: bunmaa, 14-Jan-2020 11:12:18

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\39532-12.D

Injection Date: 13-Jan-2020 17:06:30

Instrument ID: CHX.i

Lims ID: 200-52091-A-5

Lab Sample ID: 200-52091-5

Client ID: 4542

Operator ID: wrd

ALS Bottle#: 14 Worklist Smp#: 12

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_X.m

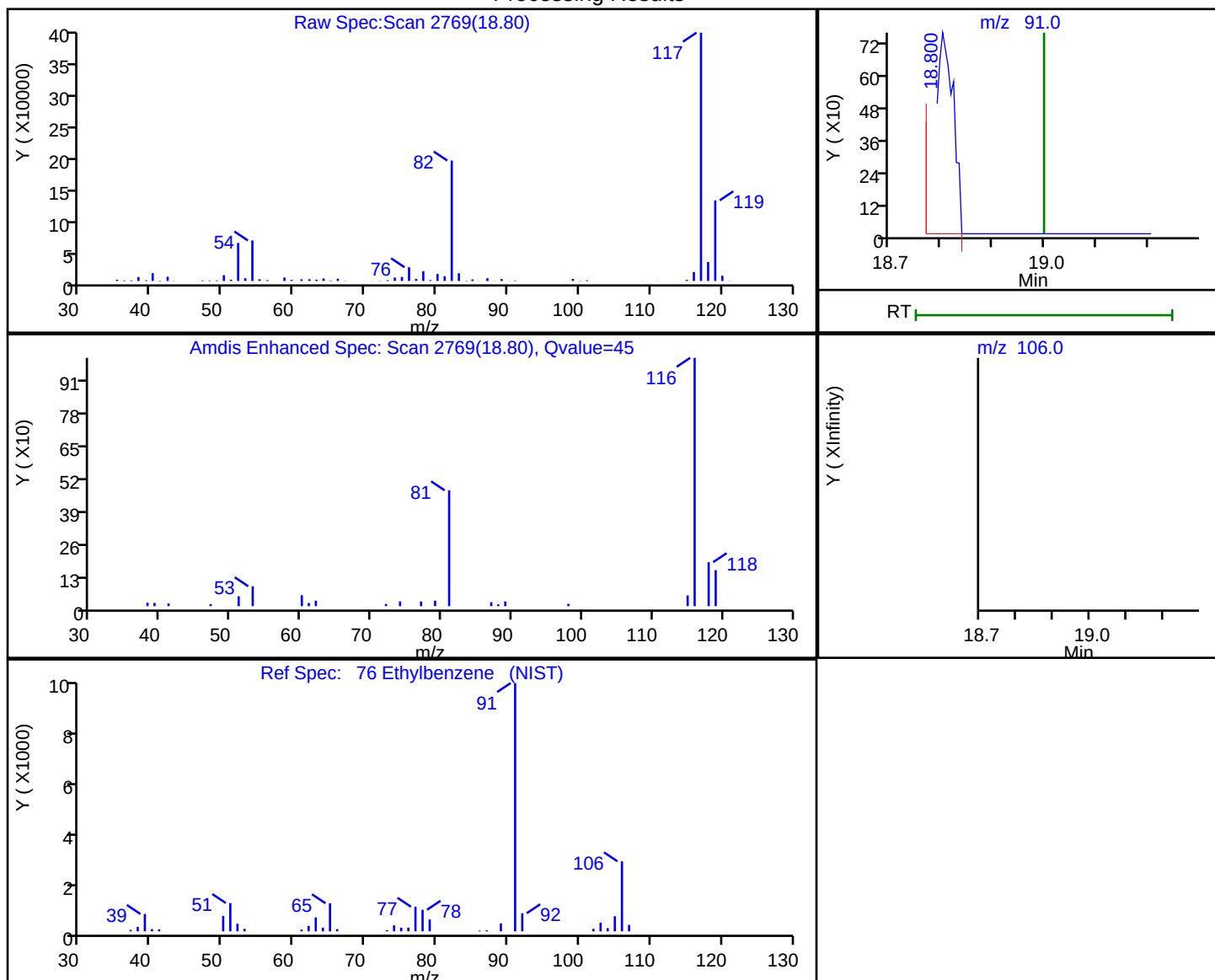
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 Ethylbenzene, CAS: 100-41-4

Processing Results



Reviewer: bunmaa, 14-Jan-2020 11:12:58

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\39532-12.D

Injection Date: 13-Jan-2020 17:06:30

Instrument ID: CHX.i

Lims ID: 200-52091-A-5

Lab Sample ID: 200-52091-5

Client ID: 4542

Operator ID: wrd

ALS Bottle#: 14 Worklist Smp#: 12

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_X.m

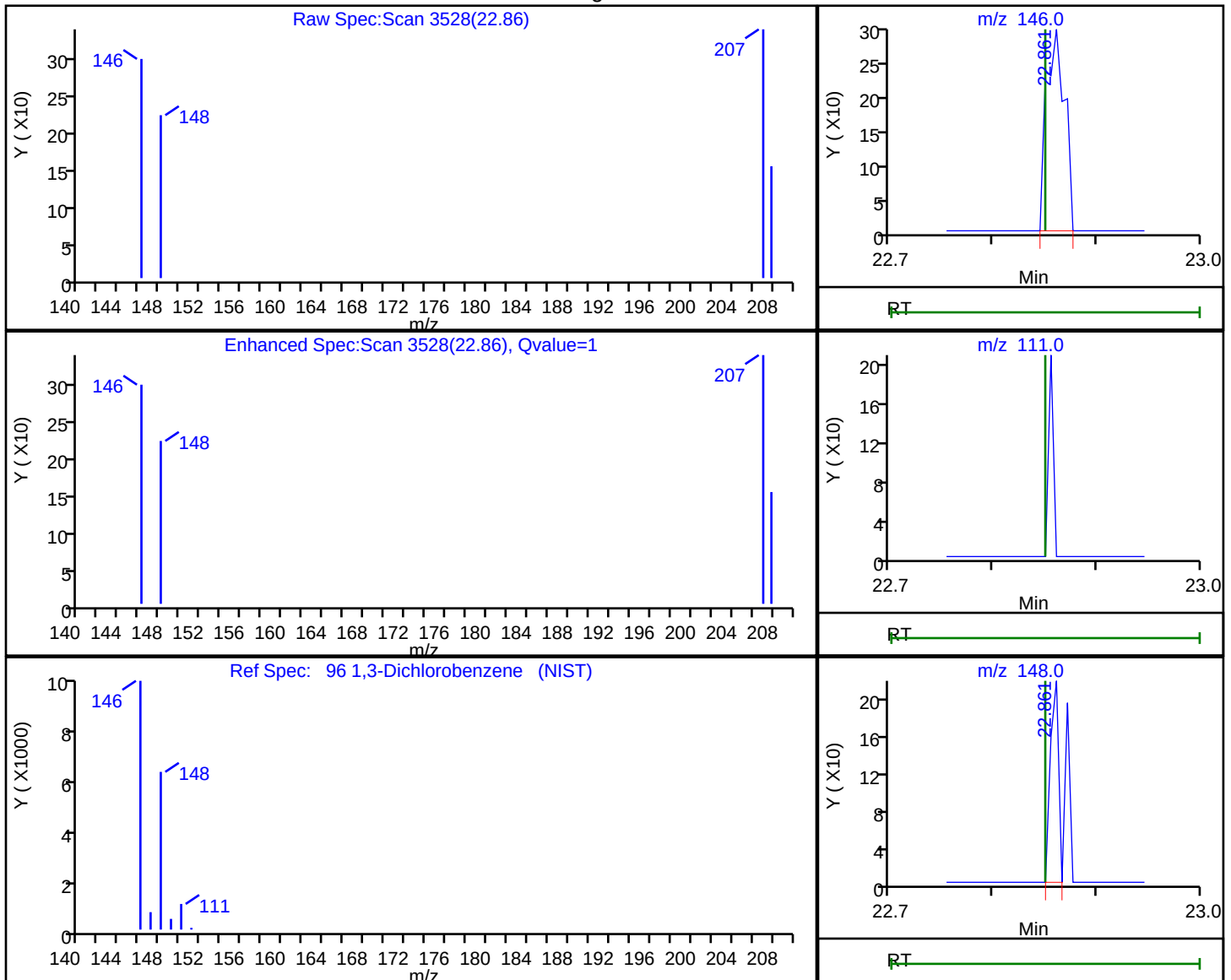
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

96 1,3-Dichlorobenzene, CAS: 541-73-1

Processing Results



RT	Mass	Response	Amount
22.86	146.00	366	0.003127
22.85	111.00	0	
22.86	148.00	122	

Reviewer: bunmaa, 14-Jan-2020 11:13:16

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\39532-12.D

Injection Date: 13-Jan-2020 17:06:30

Instrument ID: CHX.i

Lims ID: 200-52091-A-5

Lab Sample ID: 200-52091-5

Client ID: 4542

Operator ID: wrd

ALS Bottle#: 14 Worklist Smp#: 12

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_X.m

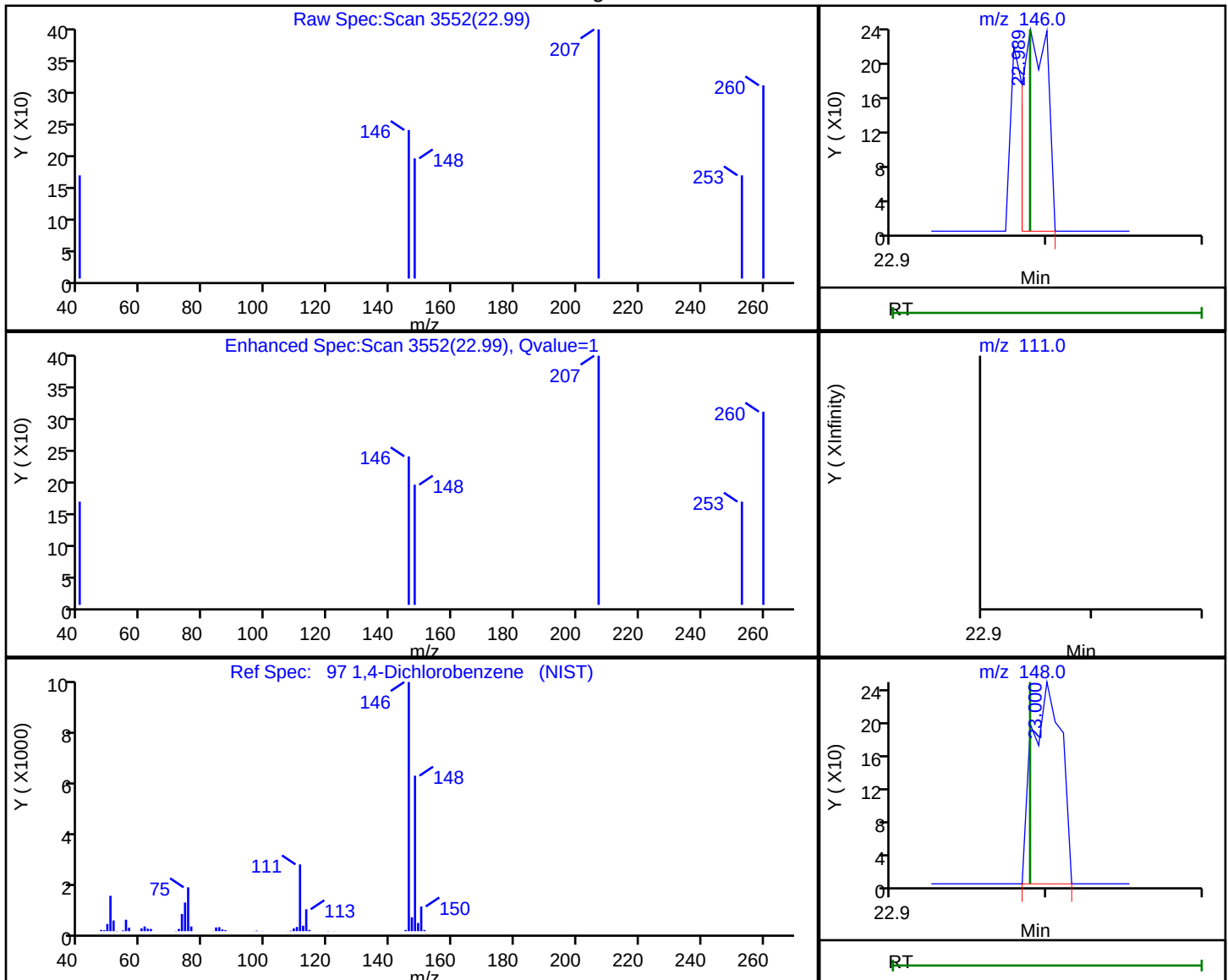
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

97 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
22.99	146.00	266	0.002424
23.00	148.00	313	
22.99	111.00	0	

Reviewer: bunmaa, 14-Jan-2020 11:13:20

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\39532-12.D

Injection Date: 13-Jan-2020 17:06:30

Instrument ID: CHX.i

Lims ID: 200-52091-A-5

Lab Sample ID: 200-52091-5

Client ID: 4542

Operator ID: wrd

ALS Bottle#: 14 Worklist Smp#: 12

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_X.m

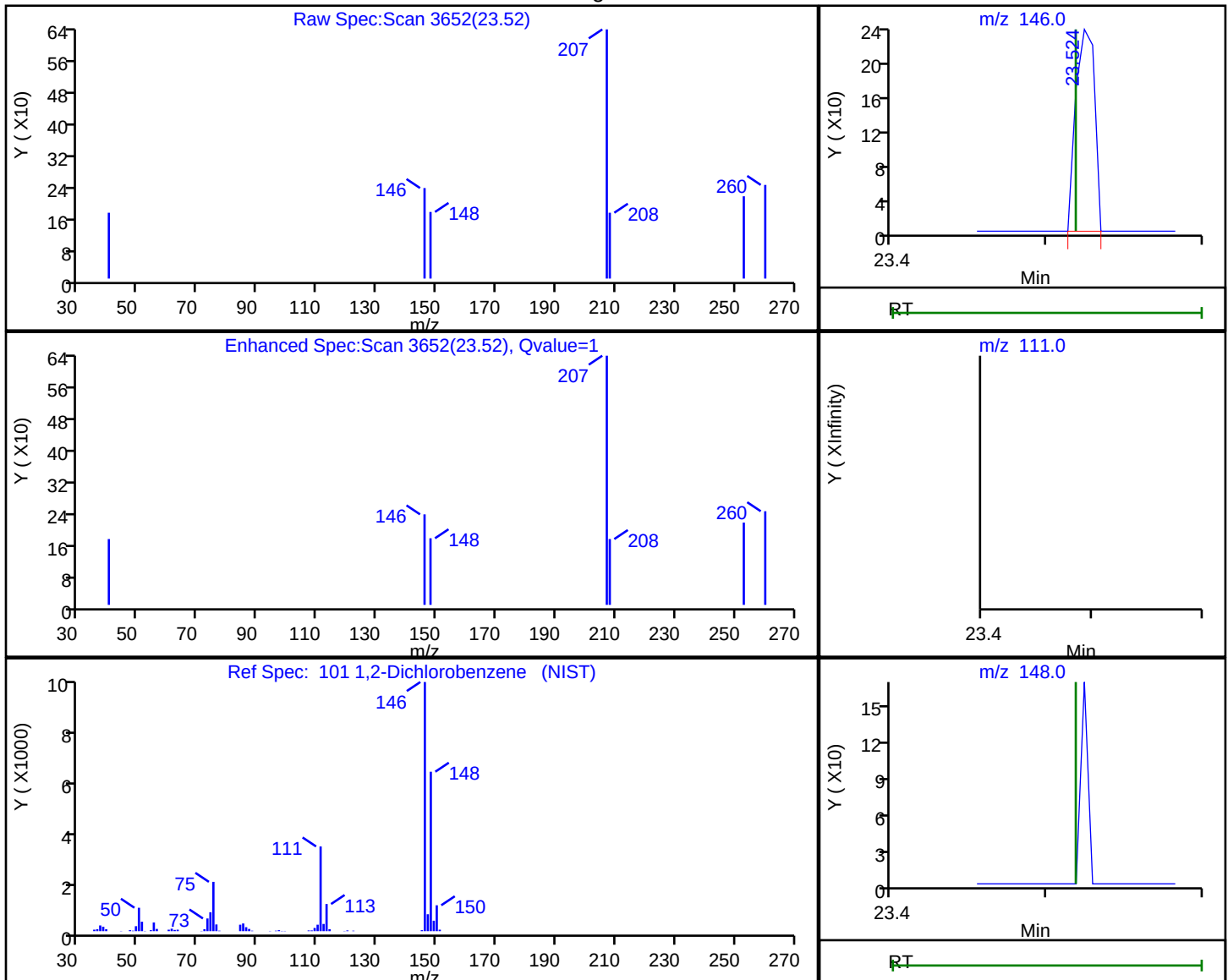
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

101 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
23.52	146.00	195	0.001777
23.52	111.00	0	
23.52	148.00	0	

Reviewer: bunmaa, 14-Jan-2020 11:13:28

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\39532-12.D

Injection Date: 13-Jan-2020 17:06:30

Instrument ID: CHX.i

Lims ID: 200-52091-A-5

Lab Sample ID: 200-52091-5

Client ID: 4542

Operator ID: wrd

ALS Bottle#: 14 Worklist Smp#: 12

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_X.m

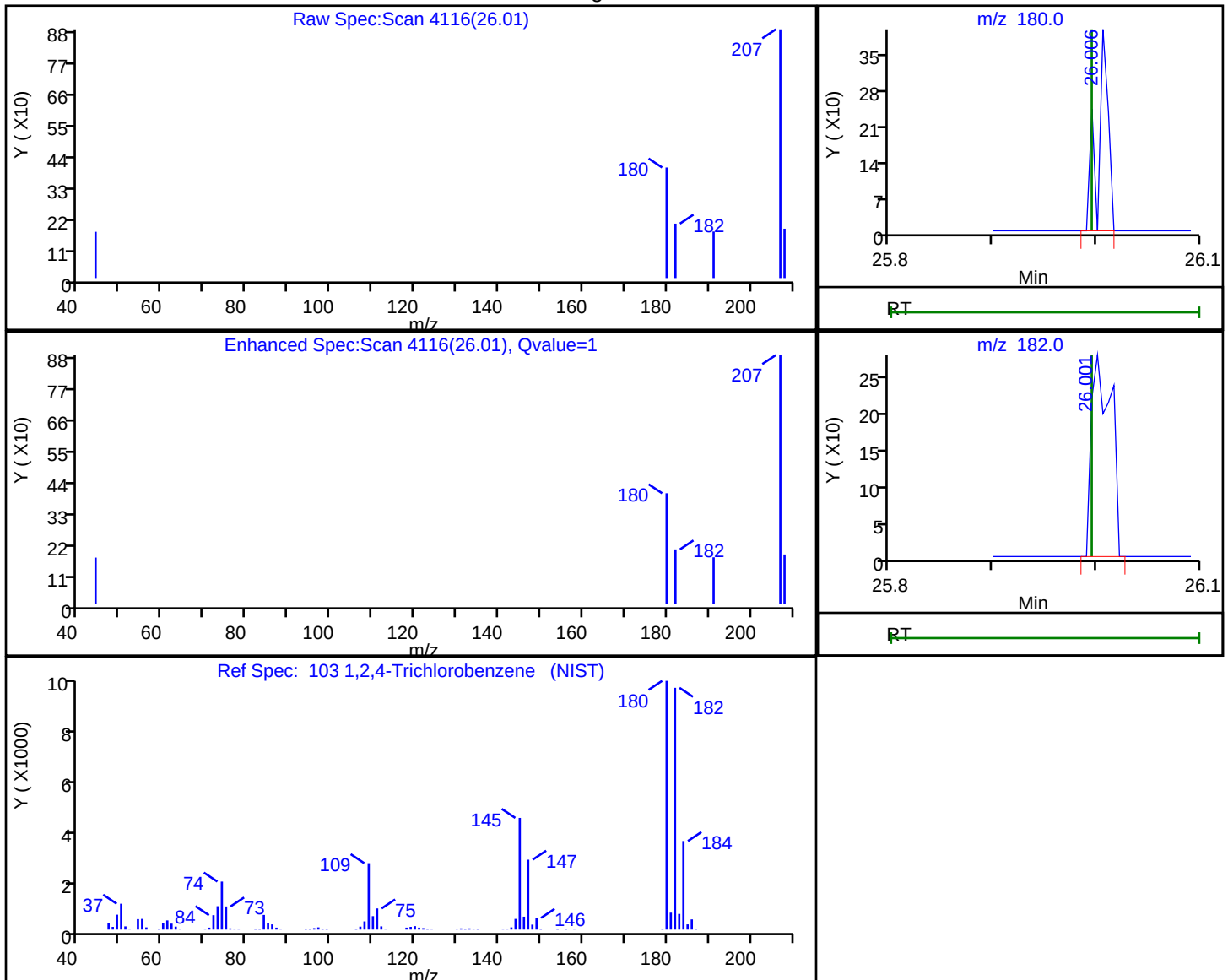
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

103 1,2,4-Trichlorobenzene, CAS: 120-82-1

Processing Results



RT	Mass	Response	Amount
26.01	180.00	276	0.003806
26.00	182.00	359	

Reviewer: bunmaa, 14-Jan-2020 11:13:31

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHX.i\20200113-39532.b\39532-12.D

Injection Date: 13-Jan-2020 17:06:30

Instrument ID: CHX.i

Lims ID: 200-52091-A-5

Lab Sample ID: 200-52091-5

Client ID: 4542

Operator ID: wrd

ALS Bottle#: 14 Worklist Smp#: 12

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_X.m

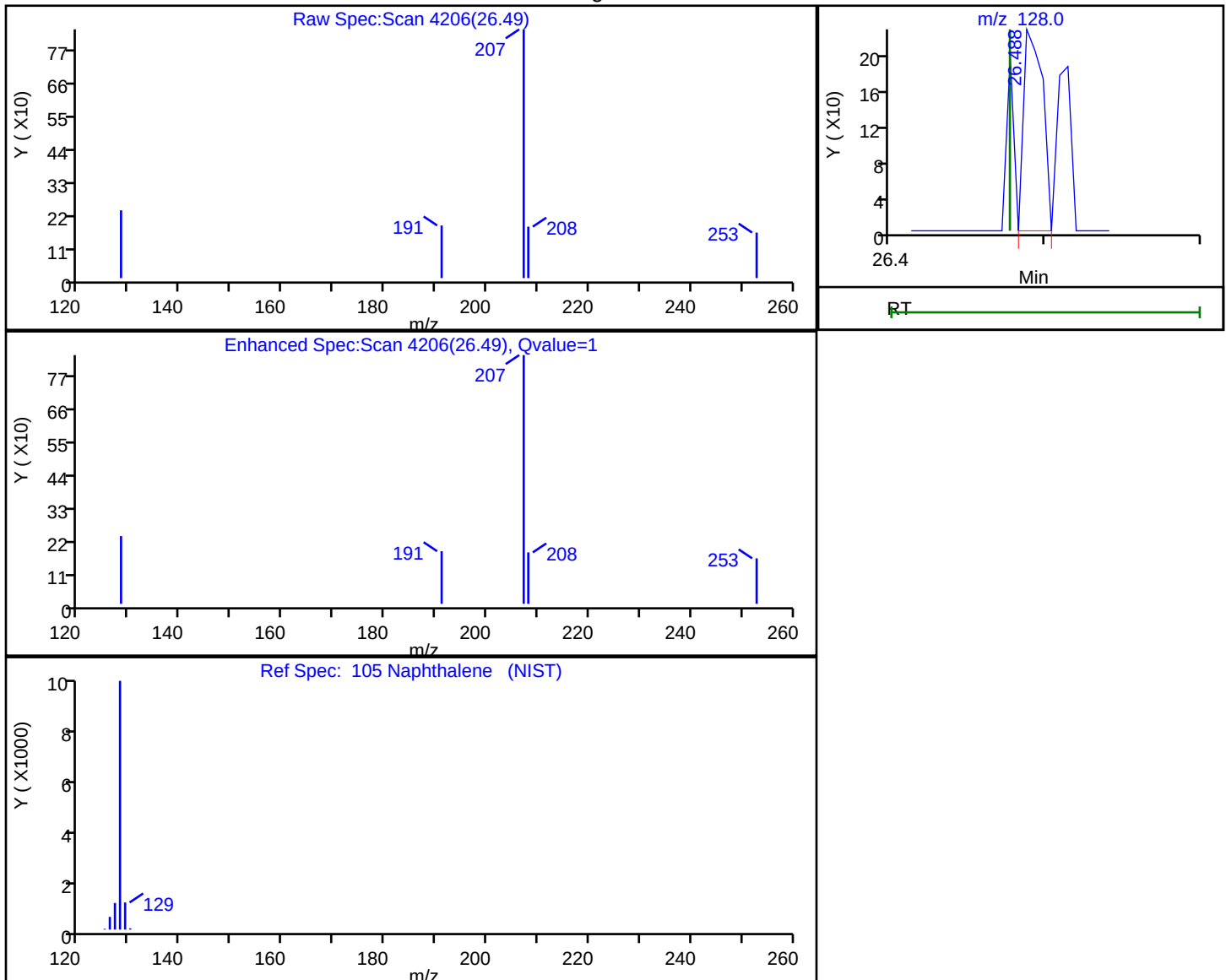
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

105 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
26.49	128.00	194	0.001181

Reviewer: bunmaa, 14-Jan-2020 11:13:36

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52059-1 Analy Batch No.: 149995

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/21/2019 17:55 Calibration End Date: 11/22/2019 09:59 Calibration ID: 42765

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-149995/4	38912-04.D
Level 2	IC 200-149995/5	38912-05.D
Level 3	IC 200-149995/22	38912-22.D
Level 4	IC 200-149995/7	38912-07.D
Level 5	ICIS 200-149995/8	38912-08.D
Level 6	IC 200-149995/9	38912-09.D
Level 7	IC 200-149995/13	38912-13.D
Level 8	IC 200-149995/14	38912-14.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	++++ 0.6516	++++ 0.5666	++++ 0.5659	0.8547	0.7325	Ave		0.6743				18.1		30.0			
Dichlorodifluoromethane	++++ 1.4821	++++ 1.8341	++++ 1.4079 1.8227	2.2348	2.1384	Ave		1.8200				18.4		30.0			
Freon 22	++++ 1.2461	++++ 1.1155	1.3328 1.1370	1.4242	1.5814	Ave		1.3062				13.7		30.0			
1,2-Dichlorotetrafluoroethane	++++ 2.4501	3.4244 2.4988	2.5999 2.5426	2.7419	2.7168	Ave		2.7106				12.3		30.0			
Chloromethane	++++ 0.8087	++++ 0.8444	1.0145 0.9589	0.9325	0.9463	Ave		0.9175				8.4		30.0			
n-Butane	++++ 1.2899	++++ 1.0727	1.2935 0.9665	1.2886	1.3635	Ave		1.2125				12.8		30.0			
Vinyl chloride	1.6061 0.9973	1.1629 0.8809	1.0040 0.8089	0.9955	1.0030	Ave		1.0574				23.1		30.0			
1,3-Butadiene	1.1852 0.7291	0.9298 0.7099	0.6476 0.6842	0.8002	0.5687	Ave		0.7818				24.9		30.0			
Bromomethane	++++ 0.7581	1.0529 0.9538	0.8357 0.7243	0.8254	0.8820	Ave		0.8617				13.2		30.0			
Chloroethane	++++ 0.4192	++++ 0.4582	0.5298 0.3507	0.4890	0.3459	Ave		0.4321				17.2		30.0			
Isopentane	++++ 0.8614	1.3368 0.8989	0.9019 0.6499	0.8764	0.7074	Ave		0.8904				24.8		30.0			
Bromoethene (Vinyl Bromide)	++++ 0.8819	1.1467 0.9463	0.7155 0.7247	0.6656	0.9413	Ave		0.8603				19.8		30.0			
Trichlorofluoromethane	++++ 2.0031	2.5307 2.2157	1.9606 1.5597	1.5916	2.0704	Ave		1.9903				17.1		30.0			
n-Pentane	++++ 1.9910	++++ 2.1064	1.8245 1.1420	1.3003	2.0984	Ave		1.7437				24.1		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52059-1 Analy Batch No.: 149995

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/21/2019 17:55 Calibration End Date: 11/22/2019 09:59 Calibration ID: 42765

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	++++ 0.5216	++++ 0.5299	0.6258 0.2754	0.6100	0.5602	Ave		0.5205				24.4		30.0			
Ethyl ether	++++ 0.7504	0.9325 0.8041	0.8101 0.4860	0.7979	0.7867	Ave		0.7668				17.8		30.0			
Acrolein	++++ 0.3822	++++ 0.3117	++++ 0.2572	0.3912	0.3820	Ave		0.3449				17.0		30.0			
Freon TF	++++ 2.2502	2.7514 2.4606	2.5751 1.6851	2.3884	2.3425	Ave		2.3505				14.3		30.0			
1,1-Dichloroethene	1.6847 1.1132	1.4544 1.2298	1.3714 0.8253	1.1931	1.1626	Ave		1.2543				20.3		30.0			
Acetone	++++ 1.4797	++++ 1.5525	++++ 0.9299	1.6569	1.5626	Ave		1.4363				20.2		30.0			
Carbon disulfide	++++ 3.4565	++++ 3.7663	3.8191 2.7035	3.6430	3.5573	Ave		3.4910				11.7		30.0			
Isopropyl alcohol	++++ 1.6523	++++ 1.7550	++++ 1.1974	1.8894	1.8031	Ave		1.6594				16.4		30.0			
3-Chloropropene	++++ 1.4781	1.8599 1.5461	1.5848 1.0577	1.5812	1.4952	Ave		1.5147				15.7		30.0			
Acetonitrile	++++ 0.8902	1.3395 0.9428	++++ 0.7773	0.9869	0.9608	Ave		0.9829				19.3		30.0			
Methylene Chloride	++++ 1.3541	++++ 1.4271	1.4413 1.3693	1.4803	1.4146	Ave		1.4145				3.3		30.0			
tert-Butyl alcohol	++++ 2.1090	++++ 2.2335	++++ 2.1478	2.2739	2.2417	Ave		2.2012				3.2		30.0			
Methyl tert-butyl ether	++++ 2.9675	3.5506 3.1723	3.3701 2.9743	3.1540	3.0602	Ave		3.1784				6.7		30.0			
trans-1,2-Dichloroethene	++++ 1.6267	1.9569 1.7292	1.8375 1.6562	1.7359	1.6730	Ave		1.7451				6.7		30.0			
Acrylonitrile	++++ 0.8797	++++ 0.9331	0.9735 0.8974	0.9368	0.8924	Ave		0.9188				3.8		30.0			
n-Hexane	++++ 1.8612	2.2947 1.9703	2.1657 1.8680	1.9910	1.9210	Ave		2.0103				8.1		30.0			
1,1-Dichloroethane	3.2220 2.1282	2.5573 2.2471	2.0924 2.1525	2.2431	2.1631	Ave		2.3507				16.2		30.0			
Vinyl acetate	++++ 2.8416	++++ 2.8757	++++ 2.8001	2.9668	2.8631	Ave		2.8695				2.1		30.0			
cis-1,2-Dichloroethene	1.8365 1.3165	1.7379 1.4311	1.4703 1.3742	1.3742	1.3627	Ave		1.4879				12.9		30.0			
Methyl Ethyl Ketone	++++ 0.6393	++++ 0.6808	0.6839 0.6414	0.6651	0.6499	Ave		0.6601				3.0		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52059-1 Analy Batch No.: 149995

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/21/2019 17:55 Calibration End Date: 11/22/2019 09:59 Calibration ID: 42765

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	++++ 0.1076	++++ 0.1164	++++ 0.1112	0.1138	0.1121	Ave		0.1122				2.9		30.0			
Tetrahydrofuran	++++ 0.3100	++++ 0.2921	++++ 0.2780	0.3066	0.2972	Ave		0.2968				4.3		30.0			
Chloroform	++++ 2.2781	2.7808 2.4746	2.1875 2.3095	2.4762	2.3786	Ave		2.4122				8.0		30.0			
Cyclohexane	++++ 0.3831	0.4170 0.3690	0.2461 0.3571	0.3578	0.3547	Ave		0.3550				14.9		30.0			
1,1,1-Trichloroethane	++++ 0.4761	0.5102 0.4557	0.3123 0.4404	0.4496	0.4428	Ave		0.4410				14.0		30.0			
Carbon tetrachloride	0.4967 0.4713	0.4914 0.4543	0.3130 0.4438	0.4474	0.4412	Ave		0.4449				12.9		30.0			
Benzene	++++ 0.9270	1.0851 0.8829	0.6527 0.8797	0.8827	0.8664	Ave		0.8824				14.3		30.0			
2,2,4-Trimethylpentane	++++ 1.3756	1.6250 1.3926	0.9113 1.3609	1.4361	1.3893	Ave		1.3558				15.9		30.0			
1,2-Dichloroethane	++++ 0.2413	0.3271 0.2771	0.2038 0.2671	0.2828	0.2712	Ave		0.2672				14.2		30.0			
n-Heptane	++++ 0.3623	0.6775 0.5218	0.4639 0.4965	0.5466	0.5240	Ave		0.5132				18.4		30.0			
n-Butanol	++++ 0.1642	++++ 0.1637	0.2042 0.1551	0.1706	0.1612	Ave		0.1698				10.3		30.0			
Trichloroethene	0.4462 0.3854	0.4157 0.3672	0.3812 0.3543	0.3643	0.3509	Ave		0.3831				8.6		30.0			
1,2-Dichloropropane	++++ 0.3654	0.4152 0.3519	0.3609 0.3372	0.3509	0.3410	Ave		0.3604				7.3		30.0			
Methyl methacrylate	++++ 0.3412	++++ 0.3272	0.2994 0.3189	0.3184	0.3145	Ave		0.3199				4.3		30.0			
1,4-Dioxane	++++ 0.1744	++++ 0.1724	++++ 0.1634	0.1743	0.1721	Ave		0.1713				2.7		30.0			
Dibromomethane	++++ 0.3917	0.4636 0.3873	0.3779 0.3751	0.3720	0.3676	Ave		0.3907				8.5		30.0			
Bromodichloromethane	++++ 0.5828	0.5833 0.5610	0.5117 0.5414	0.5526	0.5395	Ave		0.5532				4.6		30.0			
cis-1,3-Dichloropropene	++++ 0.5522	0.5988 0.5347	0.5074 0.5132	0.5184	0.5138	Ave		0.5341				6.1		30.0			
methyl isobutyl ketone	++++ 0.7451	0.8291 0.7074	0.7021 0.6145	0.7274	0.7032	Ave		0.7184				8.9		30.0			
Toluene	++++ 0.6816	0.8554 0.7300	0.7683 0.7046	0.7076	0.6974	Ave		0.7350				8.2		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52059-1 Analy Batch No.: 149995

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/21/2019 17:55 Calibration End Date: 11/22/2019 09:59 Calibration ID: 42765

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	++++ 0.8106	0.9578 0.7686	0.8185 0.7275	0.8083	0.7783	Ave		0.8100				8.9		30.0			
trans-1,3-Dichloropropene	++++ 0.4747	0.4983 0.4617	0.4446 0.4442	0.4450	0.3581	Ave		0.4467				9.8		30.0			
1,1,2-Trichloroethane	++++ 0.3355	0.4036 0.3180	0.3594 0.3412	0.3516	0.3438	Ave		0.3504				7.7		30.0			
Tetrachloroethene	0.8634 0.5813	0.7682 0.5870	0.6844 0.6133	0.6004	0.5909	Ave		0.6611				15.7		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.6826	0.9132 0.4667	0.7662 0.6945	0.7367	0.7178	Ave		0.7111				18.6		30.0			
Dibromochloromethane	++++ 0.6109	0.6437 0.5608	0.5663 0.6158	0.6230	0.6220	Ave		0.6061				5.1		30.0			
1,2-Dibromoethane	++++ 0.5825	0.6412 0.5938	0.6096 0.6141	0.6056	0.5942	Ave		0.6059				3.1		30.0			
Chlorobenzene	++++ 0.8927	1.0769 0.9569	0.9807 0.9315	0.9238	0.9091	Ave		0.9531				6.5		30.0			
Ethylbenzene	++++ 1.4466	1.7295 1.5492	1.5409 1.5136	1.5115	1.4843	Ave		1.5394				5.9		30.0			
n-Nonane	++++ 0.7556	0.9372 0.8048	0.8230 0.7718	0.7989	0.7789	Ave		0.8100				7.5		30.0			
m,p-Xylene	++++ 0.5748	0.6707 0.6216	0.6119 0.6135	0.5983	0.5848	Ave		0.6108				5.1		30.0			
Xylene, o-	++++ 0.5543	0.6450 0.5973	0.5938 0.5828	0.5797	0.5710	Ave		0.5891				4.8		30.0			
Styrene	++++ 0.9048	0.9867 0.9755	0.8566 0.9720	0.9114	0.9152	Ave		0.9317				5.1		30.0			
Bromoform	++++ 0.5862	0.5213 0.6380	0.4605 0.5092	0.5923	0.6032	Ave		0.5587				11.2		30.0			
Cumene	++++ 1.5993	1.9052 1.7141	1.7280 1.6785	1.6635	1.6348	Ave		1.7034				5.8		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.8555	0.9226 0.9363	0.9095 0.9331	0.9185	0.9068	Ave		0.9117				3.0		30.0			
n-Propylbenzene	++++ 1.9837	2.0532 2.1265	2.0751 2.0387	2.0332	2.0150	Ave		2.0465				2.2		30.0			
1,2,3-Trichloropropane	++++ 0.6515	0.9226 0.6874	0.7244 0.6887	0.6796	0.6647	Ave		0.6827				3.7		30.0			
2-Chlorotoluene	++++ 1.2824	1.3678 1.4108	1.3565 1.4396	1.3313	1.3151	Ave		1.3576				4.0		30.0			
4-Ethyltoluene	++++ 1.6068	1.6770 1.7762	1.6858 1.7780	1.6530	1.6479	Ave		1.6892				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 BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52059-1 Analy Batch No.: 149995

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/21/2019 17:55 Calibration End Date: 11/22/2019 09:59 Calibration ID: 42765

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-Decane	++++ 0.9532	++++ 1.0297	1.0506 0.9275	1.0233	0.9980	Ave		0.9970				4.8		30.0			
1,3,5-Trimethylbenzene	++++ 1.2611	1.4100 1.3751	1.3415 1.2819	1.3119	1.2926	Ave		1.3249				4.0		30.0			
Alpha Methyl Styrene	++++ 0.6605	0.6703 0.7703	0.6911 0.7819	0.7090	0.7085	Ave		0.7131				6.6		30.0			
tert-Butylbenzene	++++ 1.1237	1.3678 1.3290	1.3303 1.3333	1.2947	1.2592	Ave		1.2912				6.3		30.0			
1,2,4-Trimethylbenzene	++++ 0.9541	1.5067 1.3652	1.3871 1.3689	1.3112	1.2866	Ave		1.3114				13.1		30.0			
sec-Butylbenzene	++++ 1.5186	2.2452 2.0982	2.1130 2.0049	2.0442	2.0129	Ave		2.0053				11.4		30.0			
4-Isopropyltoluene	++++ 1.3348	1.8719 1.8241	1.7636 1.8041	1.7087	1.6936	Ave		1.7144				10.4		30.0			
1,3-Dichlorobenzene	++++ 0.7933	1.1000 1.0577	1.0626 1.1202	0.9748	0.9630	Ave		1.0102				11.1		30.0			
1,4-Dichlorobenzene	++++ 0.7976	1.0494 1.0151	1.0643 1.0551	0.9554	0.9423	Ave		0.9827				9.7		30.0			
Benzyl chloride	++++ 0.9343	1.2489 1.2130	1.2478 1.2414	1.1675	1.1562	Ave		1.1728				9.5		30.0			
n-Butylbenzene	++++ 1.3230	1.7039 1.6692	1.6880 1.6343	1.6279	1.5940	Ave		1.6058				8.1		30.0			
n-Undecane	++++ 0.9112	1.1000 1.1073	1.0626 1.0331	1.1067	1.0748	Ave		1.0466				7.8		30.0			
1,2-Dichlorobenzene	++++ 0.8283	1.0444 0.9519	1.0151 0.9263	0.8985	0.8928	Ave		0.9367				7.9		30.0			
n-Dodecane	++++ 0.9034	1.1000 0.8725	1.0626 0.9390	0.7204	0.8327	Ave		0.8536				9.9		30.0			
1,2,4-Trichlorobenzene	++++ 0.6854	1.1000 0.6914	1.0626 0.8124	0.5041	0.5755	Ave		0.6609				16.3		30.0			
Hexachlorobutadiene	++++ 0.6741	0.6598 0.7008	0.7478 0.7549	0.6785	0.6700	Ave		0.6980				5.5		30.0			
Naphthalene	++++ 1.4072	1.3514	1.5546 1.6352	0.8031	0.9837	Ave		1.2892				25.4		30.0			
1,2,3-Trichlorobenzene	++++ 0.5297	1.1000 0.5003	1.0626 0.6336	0.3162	0.4255	Ave		0.4840				22.0		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52059-1 Analy Batch No.: 149995

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/21/2019 17:55 Calibration End Date: 11/22/2019 09:59 Calibration ID: 42765

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-149995/4	38912-04.D
Level 2	IC 200-149995/5	38912-05.D
Level 3	IC 200-149995/22	38912-22.D
Level 4	IC 200-149995/7	38912-07.D
Level 5	ICIS 200-149995/8	38912-08.D
Level 6	IC 200-149995/9	38912-09.D
Level 7	IC 200-149995/13	38912-13.D
Level 8	IC 200-149995/14	38912-14.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	++++ 343817	++++ 417742	++++ 824996	136686	248063	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 781987	++++ 1352197	25011 2657478	357396	724185	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.00
Freon 22	BCM	Ave	++++ 657504	++++ 822348	23678 1657741	227771	535551	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 1292717	22012 1842193	46188 3706988	438501	920067	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Chloromethane	BCM	Ave	++++ 426672	++++ 622519	18023 1397967	149129	320457	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.00
n-Butane	BCM	Ave	++++ 680588	++++ 790866	22979 1409075	206084	461763	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.00
Vinyl chloride	BCM	Ave	1820 526227	7475 649457	17837 1179381	159205	339680	0.0351 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,3-Butadiene	BCM	Ave	1343 384684	5977 523337	11504 997579	127978	192606	0.0351 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Bromomethane	BCM	Ave	++++ 399988	6768 703148	14846 1056011	132009	298683	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Chloroethane	BCM	Ave	++++ 221196	++++ 337777	9412 511302	78196	117153	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.00
Isopentane	BCM	Ave	++++ 454500	8593 662729	16023 947466	140162	239564	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 465329	7371 697654	12711 1056519	106452	318793	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Trichlorofluoromethane	BCM	Ave	++++ 1056883	16267 1633489	34830 2273976	254539	701171	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Pentane	BCM	Ave	++++ 1050508	++++ 1552883	32412 1664948	207949	710634	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.00
Ethanol	BCM	Ave	++++ 367726	++++ 781499	111307 1003974	146388	284722	++++ 20.0	++++ 40.0	5.01 100.0	7.50	15.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52059-1 Analy Batch No.: 149995

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/21/2019 17:55 Calibration End Date: 11/22/2019 09:59 Calibration ID: 42765

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	+++++ 395956	5994 592817	14391 708539	127602	266430	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Acrolein	BCM	Ave	+++++ 201664	+++++ 229779	+++++ 375007	62555	129384	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Freon TF	BCM	Ave	+++++ 1187284	17686 1814073	45748 2456837	381957	793298	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1-Dichloroethene	BCM	Ave	1909 587346	9349 906639	24363 1203235	190804	393736	0.0351 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Acetone	BCM	Ave	+++++ 780758	+++++ 1144532	+++++ 1355683	264984	529183	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Carbon disulfide	BCM	Ave	+++++ 1823753	+++++ 2776675	+++++ 3941599	582605	1204725	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Isopropyl alcohol	BCM	Ave	+++++ 871800	+++++ 1293878	+++++ 1745684	302156	610629	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
3-Chloropropene	BCM	Ave	+++++ 779913	11955 1139819	28155 1542031	252867	506350	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Acetonitrile	BCM	Ave	+++++ 469706	8610 695066	+++++ 1133233	157834	325388	+++++ 15.0	0.200 20.0	+++++ 40.0	5.00	10.00
Methylene Chloride	BCM	Ave	+++++ 714474	+++++ 1052130	+++++ 1996302	236732	479075	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1112790	+++++ 1646621	+++++ 3131451	363645	759170	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1565762	22823 2338741	59871 4336382	504397	1036346	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 858294	12579 1274795	32643 2414703	277613	566566	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Acrylonitrile	BCM	Ave	+++++ 464166	+++++ 687944	+++++ 1308350	149814	302222	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
n-Hexane	BCM	Ave	+++++ 982001	14750 1452608	38474 2723487	318410	650573	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1-Dichloroethane	BCM	Ave	3651 1122893	16438 1656668	37173 3138286	358728	732543	0.0351 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Vinyl acetate	BCM	Ave	+++++ 1499324	+++++ 2120083	+++++ 4082373	474469	969603	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
cis-1,2-Dichloroethene	BCM	Ave	2081 694648	11171 1055064	26120 2003493	219762	461489	0.0351 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 337313	+++++ 501889	12149 935113	106367	220101	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Ethyl acetate	BCM	Ave	+++++ 56795	+++++ 85846	+++++ 162090	18206	37966	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Tetrahydrofuran	DFBZ	Ave	+++++ 731318	+++++ 1081874	+++++ 2038145	247610	503648	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52059-1 Analy Batch No.: 149995

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/21/2019 17:55 Calibration End Date: 11/22/2019 09:59 Calibration ID: 42765

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	++++ 1201966	17875 1824356	38861 3367106	396006	805528	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Cyclohexane	DFBZ	Ave	++++ 903690	13356 1366658	23534 2618406	288959	601182	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1,1-Trichloroethane	DFBZ	Ave	++++ 1123050	16344 1687676	29866 3228623	363076	750485	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Carbon tetrachloride	DFBZ	Ave	2821 1111902	15739 1682537	29939 3253648	361310	747787	0.0351 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Benzene	DFBZ	Ave	++++ 2186795	34759 3270070	62432 6449260	712883	1468386	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	++++ 3244958	52052 5158200	87163 9977231	1159824	2354644	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,2-Dichloroethane	DFBZ	Ave	++++ 569336	10478 1026317	19495 1958119	228387	459717	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Heptane	DFBZ	Ave	++++ 854647	21700 1932674	44372 3640222	441423	888190	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Butanol	DFBZ	Ave	++++ 387458	++++ 606370	19527 1137451	137816	273140	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.00
Trichloroethene	DFBZ	Ave	2534 909154	13317 1360136	36457 2597213	294180	594814	0.0351 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,2-Dichloropropane	DFBZ	Ave	++++ 862096	13301 1303452	34523 2471856	283420	577981	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Methyl methacrylate	DFBZ	Ave	++++ 804964	++++ 1211796	28636 2338328	257151	533039	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.00
1,4-Dioxane	DFBZ	Ave	++++ 411515	++++ 638570	++++ 1197968	140803	291666	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.00
Dibromomethane	DFBZ	Ave	++++ 924018	14851 1434413	36147 2750238	300404	623103	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Bromodichloromethane	DFBZ	Ave	++++ 1374900	18685 2078032	48942 3969206	446260	914393	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	++++ 1302560	19180 1980321	48532 3762685	418680	870747	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
methyl isobutyl ketone	DFBZ	Ave	++++ 1757618	26557 2620307	67157 4504944	587483	1191826	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Toluene	CBNZ d5	Ave	++++ 1624241	24800 2471959	65238 4705856	522754	1083775	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Octane	DFBZ	Ave	++++ 1912282	30679 2846956	78285 5333938	652829	1319084	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
trans-1,3-Dichloropropene	DFBZ	Ave	++++ 1119901	15962 1710060	42523 3256602	359363	607022	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1,2-Trichloroethane	CBNZ d5	Ave	++++ 799367	11702 1076884	30519 2278845	259722	534304	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52059-1 Analy Batch No.: 149995

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/21/2019 17:55 Calibration End Date: 11/22/2019 09:59 Calibration ID: 42765

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	CBNZ d5	Ave	4323 1385321	22273 1987649	58117 4095849	443527	918243	0.0351 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Methyl Butyl Ketone (2-Hexanone)	CBNZ d5	Ave	++++ 1626617	26477 1580202	65065 4638563	544246	1115523	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Dibromochloromethane	CBNZ d5	Ave	++++ 1455789	18663 1898861	48089 4112789	460223	966544	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,2-Dibromoethane	CBNZ d5	Ave	++++ 1388005	18591 2010638	51765 4101766	447407	923342	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Chlorobenzene	CBNZ d5	Ave	++++ 2127160	31221 3240080	83277 6221156	682477	1412763	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Ethylbenzene	CBNZ d5	Ave	++++ 3447241	50144 5245865	130843 10109092	1116645	2306708	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Nonane	CBNZ d5	Ave	++++ 1800460	27173 2725094	69882 5154416	590210	1210488	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
m,p-Xylene	CBNZ d5	Ave	++++ 2739628	38889 4209870	103921 8194775	884041	1817593	++++ 30.0	0.401 40.0	1.00 80.0	10.00	20.0
Xylene, o-	CBNZ d5	Ave	++++ 1320805	18701 2022577	50423 3892561	428274	887404	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Styrene	CBNZ d5	Ave	++++ 2156155	28607 3303181	72742 6491542	673303	1422312	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Bromoform	CBNZ d5	Ave	++++ 1396869	15114 2160224	39104 3400924	437577	937413	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Cumene	CBNZ d5	Ave	++++ 3811085	55237 5804245	146736 11210226	1228974	2540595	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1,2,2-Tetrachloroethane	CBNZ d5	Ave	++++ 2038666	26748 3170266	77228 6231670	678540	1409223	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Propylbenzene	CBNZ d5	Ave	++++ 4727143	59529 7200576	176210 13616046	1502092	3131417	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,2,3-Trichloropropane	CBNZ d5	Ave	++++ 1552417	++++ 2327784	61511 4599951	502050	1032939	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.00
2-Chlorotoluene	CBNZ d5	Ave	++++ 3055853	39656 4777001	115192 9614879	983559	2043729	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
4-Ethyltoluene	CBNZ d5	Ave	++++ 3828838	48620 6014254	143150 11875122	1221212	2560836	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Decane	CBNZ d5	Ave	++++ 2271494	++++ 3486525	89210 6194566	755991	1550970	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.00
1,3,5-Trimethylbenzene	CBNZ d5	Ave	++++ 3005140	40879 4656287	113911 8561459	969173	2008798	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Alpha Methyl Styrene	CBNZ d5	Ave	++++ 1574007	19433 2608258	58681 5221908	523771	1101032	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
tert-Butylbenzene	CBNZ d5	Ave	++++ 2677694	39657 4500308	112966 8904756	956521	1956849	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52059-1 Analy Batch No.: 149995

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/21/2019 17:55 Calibration End Date: 11/22/2019 09:59 Calibration ID: 42765

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	CBNZ d5	Ave	++++ 2273596	43684 4622639	117784 9142557	968708	1999399	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
sec-Butylbenzene	CBNZ d5	Ave	++++ 3618656	65094 7104749	179429 13390275	1510200	3128126	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
4-Isopropyltoluene	CBNZ d5	Ave	++++ 3180771	54271 6176455	149758 12048947	1262350	2631857	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,3-Dichlorobenzene	CBNZ d5	Ave	++++ 1890514	31891 3581369	90230 7481636	720126	1496532	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,4-Dichlorobenzene	CBNZ d5	Ave	++++ 1900771	30425 3437342	90373 7046577	705815	1464347	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Benzyl chloride	CBNZ d5	Ave	++++ 2226476	36210 4107483	105961 8290988	862558	1796779	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Butylbenzene	CBNZ d5	Ave	++++ 3152696	49400 5652176	143340 10914948	1202673	2477132	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Undecane	CBNZ d5	Ave	++++ 2171430	++++ 3749328	++++ 6899581	817580	1670327	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.00
1,2-Dichlorobenzene	CBNZ d5	Ave	++++ 1973894	30280 3223153	86198 6186297	663780	1387410	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Dodecane	CBNZ d5	Ave	++++ 2152766	++++ 2954480	++++ 6271632	532209	1294029	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.00
1,2,4-Trichlorobenzene	CBNZ d5	Ave	++++ 1633278	++++ 2341192	59172 5426051	372387	894273	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.00
Hexachlorobutadiene	CBNZ d5	Ave	++++ 1606328	19130 2373153	63503 5041912	501230	1041154	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Naphthalene	CBNZ d5	Ave	++++ 3353241	++++ 4575919	132010 10921095	593320	1528710	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.00
1,2,3-Trichlorobenzene	CBNZ d5	Ave	++++ 1262147	++++ 1694143	42375 4231563	233595	661214	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.00

Curve Type Legend:

Ave = Average ISTD

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52071-1 Analy Batch No.: 150142

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2019 18:28 Calibration End Date: 11/26/2019 03:35 Calibration ID: 42772

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-150142/13	38970-13.D
Level 2	IC 200-150142/14	38970-14.D
Level 3	IC 200-150142/15	38970-15.D
Level 4	IC 200-150142/4	38970-04.D
Level 5	ICIS 200-150142/5	38970-05.D
Level 6	IC 200-150142/6	38970-06.D
Level 7	IC 200-150142/9	38970-09.D
Level 8	IC 200-150142/10	38970-10.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	++++ 0.9550	++++ 0.9030	++++ 0.9308	0.9345	0.9491	Ave		0.9345				2.2		30.0			
Dichlorodifluoromethane	++++ 3.7862	++++ 3.7512	++++ 4.1722 3.9451	3.6467	3.6668	Ave		3.8280				5.2		30.0			
Freon 22	++++ 2.0652	++++ 1.9868	2.2221 2.0988	2.0221	2.0372	Ave		2.0720				4.0		30.0			
1,2-Dichlorotetrafluoroethane	++++ 4.1123	4.8041 4.1490	4.5355 4.4531	3.8352	3.9505	Ave		4.2628				8.1		30.0			
Chloromethane	++++ 1.3631	++++ 1.3416	1.4782 1.3886	1.3112	1.3353	Ave		1.3697				4.3		30.0			
n-Butane	++++ 1.5712	++++ 1.4093	1.7724 1.4684	1.6210	1.5896	Ave		1.5720				8.0		30.0			
Vinyl chloride	2.1249 1.2848	1.1341 1.1414	1.4185 1.1847	1.3073	1.2889	Ave		1.3606				23.8		30.0			
1,3-Butadiene	1.0958 0.7043	0.6754 0.6157	0.7416 0.6494	0.7080	0.7058	Ave		0.7370				20.4		30.0			
Bromomethane	++++ 1.6511	1.9659 1.5947	1.7845 1.7133	1.4987	1.5214	Ave		1.6756				9.7		30.0			
Chloroethane	++++ 0.8345	++++ 0.8238	0.9208 0.8474	0.8189	0.8173	Ave		0.8438				4.7		30.0			
Isopentane	++++ 1.5951	1.7989 1.5499	1.7598 1.5003	1.6082	1.6102	Ave		1.6318				6.7		30.0			
Bromoethene (Vinyl Bromide)	++++ 1.6036	1.9040 1.6177	1.7427 1.6960	1.5099	1.5408	Ave		1.6592				8.1		30.0			
Trichlorofluoromethane	++++ 4.2970	5.0151 4.2775	4.7316 4.3462	4.2831	4.2432	Ave		4.4562				6.7		30.0			
n-Pentane	++++ 2.1460	++++ 2.0683	2.3529 1.9374	2.2285	2.1958	Ave		2.1548				6.6		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52071-1 Analy Batch No.: 150142

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2019 18:28 Calibration End Date: 11/26/2019 03:35 Calibration ID: 42772

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	++++ 0.5050	++++ 0.4465	0.6537 0.3826	0.5031	0.5419	Ave		0.5055				18.1		30.0			
Ethyl ether	++++ 0.9141	0.9846 0.8736	0.9910 0.8496	0.9136	0.9149	Ave		0.9202				5.7		30.0			
Acrolein	++++ 0.3894	++++ 0.3635	++++ 0.3291	0.4083	0.3983	Ave		0.3777				8.4		30.0			
Freon TF	++++ 3.0954	3.5611 2.9743	3.4884 2.8388	3.2423	3.1342	Ave		3.1906				8.2		30.0			
1,1-Dichloroethene	2.5246 1.5524	1.7916 1.4897	1.7421 1.4620	1.5814	1.5586	Ave		1.7128				20.3		30.0			
Acetone	++++ 1.1912	++++ 1.1488	++++ 1.1010	1.2866	1.2696	Ave		1.1994				6.6		30.0			
Carbon disulfide	++++ 3.3793	++++ 3.2415	3.5501 3.1641	3.5655	3.4469	Ave		3.3912				4.8		30.0			
Isopropyl alcohol	++++ 1.1593	++++ 1.0766	++++ 1.0430	1.1949	1.1881	Ave		1.1324				6.1		30.0			
3-Chloropropene	++++ 0.9657	0.9344 0.9246	1.0109 0.8791	1.0132	0.9957	Ave		0.9605				5.2		30.0			
Acetonitrile	++++ 0.5130	++++ 0.4903	++++ 0.4727	0.5328	0.5339	Ave		0.5085				5.3		30.0			
Methylene Chloride	++++ 0.9892	++++ 0.9505	1.1566 0.9039	1.0742	1.0355	Ave		1.0183				8.9		30.0			
tert-Butyl alcohol	++++ 1.9336	++++ 1.8600	++++ 1.8269	1.8954	1.9731	Ave		1.8978				3.1		30.0			
Methyl tert-butyl ether	++++ 3.3773	3.4696 3.2533	3.4101 3.2207	3.3220	3.4433	Ave		3.3566				2.8		30.0			
trans-1,2-Dichloroethene	++++ 1.5585	1.7332 1.4970	1.6828 1.4258	1.6478	1.6082	Ave		1.5933				6.7		30.0			
Acrylonitrile	++++ 0.6105	++++ 0.5932	0.6206 0.5828	0.6141	0.6201	Ave		0.6069				2.5		30.0			
n-Hexane	++++ 1.4703	1.4943 1.4013	1.5134 1.3343	1.5189	1.5165	Ave		1.4642				4.8		30.0			
1,1-Dichloroethane	2.7403 1.9278	2.1623 1.8531	2.1351 1.7900	2.0130	1.9856	Ave		2.0759				14.3		30.0			
Vinyl acetate	++++ 1.6615	++++ 1.5976	++++ 1.5539	1.6478	1.6902	Ave		1.6302				3.3		30.0			
cis-1,2-Dichloroethene	2.2190 1.4493	1.5844 1.3972	1.5437 1.3576	1.4775	1.4664	Ave		1.5619				17.6		30.0			
Methyl Ethyl Ketone	++++ 0.5738	++++ 0.5484	0.5530 0.5239	0.5760	0.5926	Ave		0.5613				4.4		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52071-1 Analy Batch No.: 150142

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2019 18:28 Calibration End Date: 11/26/2019 03:35 Calibration ID: 42772

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	++++ 0.1144	++++ 0.1111	++++ 0.1094	0.1120	0.1171	Ave		0.1128				2.7		30.0			
Tetrahydrofuran	++++ 0.1475	++++ 0.1416	++++ 0.1325	0.1516	0.1549	Ave		0.1456				6.1		30.0			
Chloroform	++++ 2.8213	3.1393 2.7230	3.1116 2.6492	2.9317	2.8895	Ave		2.8951				6.4		30.0			
Cyclohexane	++++ 0.3689	0.3684 0.3494	0.3824 0.3269	0.3818	0.3771	Ave		0.3650				5.5		30.0			
1,1,1-Trichloroethane	++++ 0.6690	0.7260 0.6448	0.7174 0.6124	0.7000	0.6844	Ave		0.6791				6.0		30.0			
Carbon tetrachloride	0.9780 0.7593	0.7878 0.7381	0.7778 0.7065	0.7866	0.7727	Ave		0.7884				10.3		30.0			
2,2,4-Trimethylpentane	++++ 0.9547	0.9623 0.9020	0.9829 0.8268	1.0146	0.9994	Ave		0.9490				6.8		30.0			
Benzene	++++ 0.7907	0.9386 0.7578	0.8752 0.7151	0.8420	0.8173	Ave		0.8195				9.1		30.0			
1,2-Dichloroethane	0.4994 0.3403	0.3677 0.3304	0.3739 0.3148	0.3592	0.3523	Ave		0.3673				15.5		30.0			
n-Heptane	++++ 0.2648	0.2537 0.2511	0.2738 0.2278	0.2858	0.2789	Ave		0.2623				7.6		30.0			
n-Butanol	++++ 0.1110	++++ 0.1085	++++ 0.1063	0.1054	0.1112	Ave		0.1085				2.4		30.0			
Trichloroethene	0.6249 0.3978	0.4463 0.3837	0.4269 0.3615	0.4208	0.4092	Ave		0.4339				18.8		30.0			
1,2-Dichloropropane	++++ 0.2449	0.2552 0.2329	0.2584 0.2178	0.2602	0.2561	Ave		0.2465				6.4		30.0			
Methyl methacrylate	++++ 0.2532	++++ 0.2441	0.2032 0.2357	0.2451	0.2604	Ave		0.2403				8.3		30.0			
1,4-Dioxane	++++ 0.1665	++++ 0.1605	++++ 0.1532	0.1796	0.1805	Ave		0.1681				7.1		30.0			
Dibromomethane	++++ 0.4769	0.5193 0.4678	0.4989 0.4494	0.4784	0.4776	Ave		0.4812				4.6		30.0			
Bromodichloromethane	++++ 0.6220	0.6055 0.6013	0.6117 0.5695	0.6477	0.6393	Ave		0.6138				4.2		30.0			
cis-1,3-Dichloropropene	++++ 0.4658	0.4176 0.4497	0.4122 0.4292	0.4651	0.4768	Ave		0.4452				5.8		30.0			
methyl isobutyl ketone	++++ 0.3443	++++ 0.3316	0.3150 0.3096	0.3559	0.3633	Ave		0.3366				6.5		30.0			
Toluene	++++ 0.5987	0.6997 0.5662	0.6995 0.5187	0.6712	0.6248	Ave		0.6256				11.1		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52071-1 Analy Batch No.: 150142

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2019 18:28 Calibration End Date: 11/26/2019 03:35 Calibration ID: 42772

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	++++ 0.3522	0.3349 0.3309	0.3755 0.2866	0.3925	0.3784	Ave		0.3502				10.4		30.0			
trans-1,3-Dichloropropene	++++ 0.4903	0.4208 0.4794	0.4210 0.4592	0.4812	0.4999	Ave		0.4645				6.9		30.0			
1,1,2-Trichloroethane	++++ 0.3180	0.3677 0.3046	0.3662 0.2808	0.3473	0.3297	Ave		0.3306				9.8		30.0			
Tetrachloroethene	1.1540 0.7186	0.8478 0.7036	0.8134 0.6748	0.7196	0.7144	Ave		0.7933				19.8		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.3914	++++ 0.3767	0.3300 0.3439	0.4139	0.4078	Ave		0.3773				9.0		30.0			
Dibromochloromethane	++++ 0.7843	0.7000 0.7664	0.7292 0.7255	0.7912	0.7878	Ave		0.7549				4.8		30.0			
1,2-Dibromoethane	++++ 0.6197	0.6131 0.6025	0.6355 0.5677	0.6363	0.6274	Ave		0.6146				3.9		30.0			
Chlorobenzene	++++ 0.9757	1.1854 0.9467	1.1422 0.8953	1.0212	0.9905	Ave		1.0224				10.3		30.0			
Ethylbenzene	++++ 1.5384	1.6437 1.4836	1.6877 1.3784	1.6416	1.5960	Ave		1.5671				6.9		30.0			
n-Nonane	++++ 0.5480	0.5392 0.5181	0.6012 0.4507	0.6220	0.5873	Ave		0.5524				10.5		30.0			
m,p-Xylene	++++ 0.6364	0.6931 0.6120	0.7160 0.5439	0.6843	0.6647	Ave		0.6501				9.0		30.0			
Xylene, o-	++++ 0.6208	0.6054 0.6086	0.6361 0.5736	0.6491	0.6373	Ave		0.6187				4.1		30.0			
Styrene	++++ 0.9700	0.6736 0.9545	0.7382 0.9173	0.9439	0.9730	Ave		0.8815				13.9		30.0			
Bromoform	++++ 0.8767	0.5806 0.8806	0.6312 0.8459	0.8299	0.8687	Ave		0.7876				16.0		30.0			
Cumene	++++ 1.8758	1.7564 1.8183	1.8895 1.6544	1.9719	1.9168	Ave		1.8404				5.8		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.8530	0.8983 0.8160	0.9233 0.7120	0.9406	0.8829	Ave		0.8609				9.0		30.0			
n-Propylbenzene	++++ 2.1147	2.0567 2.0226	2.1812 1.7606	2.2803	2.1724	Ave		2.0841				8.0		30.0			
1,2,3-Trichloropropane	++++ 0.6434	++++ 0.6137	0.7265 0.5358	0.7102	0.6679	Ave		0.6496				10.7		30.0			
n-Decane	++++ 0.6551	++++ 0.6076	0.7743 0.4709	0.8490	0.7330	Ave		0.6816				19.7		30.0			
4-Ethyltoluene	++++ 1.7755	1.8301 1.6657	1.9589 1.3311	2.0023	1.8736	Ave		1.7768				12.7		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52071-1 Analy Batch No.: 150142

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2019 18:28 Calibration End Date: 11/26/2019 03:35 Calibration ID: 42772

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	++++ 1.4377	1.6660 1.3522	1.7113 1.1174	1.6411	1.5262	Ave		1.4932				14.1		30.0			
1,3,5-Trimethylbenzene	++++ 1.5993	1.5955 1.5685	1.6645 1.3772	1.7152	1.6335	Ave		1.5934				6.7		30.0			
Alpha Methyl Styrene	++++ 0.8423	0.4550 0.8375	0.5219 0.7669	0.7949	0.8299	Ave		0.7212				22.5		30.0			
tert-Butylbenzene	++++ 1.6006	1.6122 1.5774	1.7195 1.3782	1.7332	1.6301	Ave		1.6073				7.3		30.0			
1,2,4-Trimethylbenzene	++++ 1.5935	1.5187 1.5664	1.6105 1.3652	1.7199	1.6307	Ave		1.5721				7.0		30.0			
sec-Butylbenzene	++++ 2.3181	2.2676 2.2687	2.4838 1.8748	2.5683	2.3987	Ave		2.3114				9.6		30.0			
4-Isopropyltoluene	++++ 1.9689	1.7914 1.9297	1.9664 1.5946	2.1432	2.0211	Ave		1.9165				9.2		30.0			
1,3-Dichlorobenzene	++++ 1.1449	1.1135 1.1500	1.0956 1.0182	1.1177	1.1222	Ave		1.1089				4.0		30.0			
1,4-Dichlorobenzene	++++ 1.1001	0.9979 1.1166	0.9525 1.0143	1.0322	1.0643	Ave		1.0397				5.6		30.0			
Benzyl chloride	++++ 1.2966	0.7344 1.3166	0.7910 1.2188	1.1965	1.2641	Ave		1.1169				22.0		30.0			
n-Butylbenzene	++++ 1.6075	1.4708 1.5336	1.5842 1.2313	1.8988	1.7039	Ave		1.5757				13.0		30.0			
n-Undecane	++++ 0.6956	++++ 0.6408	++++ 0.4810	0.9589	0.7806	Ave		0.7114				24.8		30.0			
1,2-Dichlorobenzene	++++ 1.0552	1.0547 1.0686	1.0463 0.9527	1.0637	1.0364	Ave		1.0397				3.8		30.0			
n-Dodecane	++++ 0.6345	++++ 0.5820	++++ 0.4988	0.8508	0.6627	Ave		0.6457				20.2		30.0			
1,2,4-Trichlorobenzene	++++ 0.7690	++++ 0.8090	0.4218 0.7844	0.6607	0.6777	Ave		0.6871				20.8		30.0			
Hexachlorobutadiene	++++ 0.9635	0.9168 0.9847	0.8946 0.8513	0.9887	0.9394	Ave		0.9341				5.4		30.0			
Naphthalene	++++ 1.7234	++++ 1.7751	0.9926 1.6740	1.6414	1.5292	Ave		1.5559				18.5		30.0			
1,2,3-Trichlorobenzene	++++ 0.7758	++++ 0.8066	0.5378 0.7680	0.7497	0.7013	Ave		0.7232				13.4		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52071-1 Analy Batch No.: 150142

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2019 18:28 Calibration End Date: 11/26/2019 03:35 Calibration ID: 42772

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-150142/13	38970-13.D
Level 2	IC 200-150142/14	38970-14.D
Level 3	IC 200-150142/15	38970-15.D
Level 4	IC 200-150142/4	38970-04.D
Level 5	ICIS 200-150142/5	38970-05.D
Level 6	IC 200-150142/6	38970-06.D
Level 7	IC 200-150142/9	38970-09.D
Level 8	IC 200-150142/10	38970-10.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	+++++ 684935	+++++ 839410	+++++ 1826329	176682	435672	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.49	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 2873135	+++++ 3689283	86596 8189826	729470	1780915	+++++ 15.9	+++++ 21.2	0.477 42.3	4.75	10.6
Freon 22	BCM	Ave	+++++ 1567184	+++++ 1954023	46121 4357118	404493	989410	+++++ 15.9	+++++ 21.2	0.477 42.3	4.75	10.6
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 3123566	41244 4084365	94225 9253232	767902	1920493	+++++ 15.9	0.191 21.2	0.477 42.4	4.76	10.6
Chloromethane	BCM	Ave	+++++ 977658	+++++ 1247134	28998 2724608	247912	612976	+++++ 15.0	+++++ 20.0	0.450 40.0	4.49	10.00
n-Butane	BCM	Ave	+++++ 1126938	+++++ 1310098	34770 2881178	306479	729733	+++++ 15.0	+++++ 20.0	0.450 40.0	4.49	10.00
Vinyl chloride	BCM	Ave	3477 921531	9194 1061016	27827 2324516	247168	591685	0.0351 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,3-Butadiene	BCM	Ave	1793 505148	5475 572302	14549 1274183	133854	323997	0.0351 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Bromomethane	BCM	Ave	+++++ 1184270	15937 1482369	35007 3361786	283350	698405	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Chloroethane	BCM	Ave	+++++ 632690	+++++ 809472	19094 1757538	163649	396575	+++++ 15.9	+++++ 21.1	0.476 42.3	4.75	10.6
Isopentane	BCM	Ave	+++++ 1144070	14583 1440770	34523 2943904	304055	739159	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	+++++ 1150192	15435 1503814	34188 3327750	285471	707296	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 3081988	40656 3976289	92823 8527975	809809	1947860	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
n-Pentane	BCM	Ave	+++++ 1539235	+++++ 1922617	46159 3801577	421351	1008008	+++++ 15.0	+++++ 20.0	0.450 40.0	4.49	10.00
Ethanol	BCM	Ave	+++++ 483966	+++++ 830228	128387 1876826	190362	373307	+++++ 20.0	+++++ 40.0	4.51 100.0	8.99	15.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52071-1 Analy Batch No.: 150142

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2019 18:28 Calibration End Date: 11/26/2019 03:35 Calibration ID: 42772

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	++++ 655659	7982 812066	19440 1667040	172738	420004	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Acrolein	BCM	Ave	++++ 279290	++++ 337893	++++ 645756	77205	182836	++++ 15.0	++++ 20.0	++++ 40.0	4.49	10.00
Freon TF	BCM	Ave	++++ 2371122	30832 2952882	73088 5949010	654704	1536595	++++ 16.0	0.193 21.4	0.481 42.7	4.80	10.7
1,1-Dichloroethene	BCM	Ave	4131 1113471	14524 1384775	34176 2868607	298989	715500	0.0351 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Acetone	BCM	Ave	++++ 854356	++++ 1067931	++++ 2160351	243249	582831	++++ 15.0	++++ 20.0	++++ 40.0	4.49	10.00
Carbon disulfide	BCM	Ave	++++ 2423774	++++ 3013271	69645 6208442	674122	1582301	++++ 15.0	++++ 20.0	0.450 40.0	4.49	10.00
Isopropyl alcohol	BCM	Ave	++++ 831479	++++ 1000770	++++ 2046520	225923	545410	++++ 15.0	++++ 20.0	++++ 40.0	4.49	10.00
3-Chloropropene	BCM	Ave	++++ 743243	8128 922285	21279 1850905	205544	490424	++++ 16.1	0.194 21.5	0.483 42.9	4.82	10.7
Acetonitrile	BCM	Ave	++++ 367913	++++ 455782	++++ 927452	100737	245068	++++ 15.0	++++ 20.0	++++ 40.0	4.49	10.00
Methylene Chloride	BCM	Ave	++++ 709530	++++ 883600	22689 1773562	203100	475362	++++ 15.0	++++ 20.0	0.450 40.0	4.49	10.00
tert-Butyl alcohol	BCM	Ave	++++ 1497779	++++ 1867375	++++ 3871462	387035	978227	++++ 16.2	++++ 21.6	++++ 43.2	4.85	10.8
Methyl tert-butyl ether	BCM	Ave	++++ 2557996	29702 3193619	70643 6673363	663262	1669158	++++ 15.8	0.190 21.1	0.476 42.2	4.74	10.6
trans-1,2-Dichloroethene	BCM	Ave	++++ 1117797	14051 1391594	33013 2797586	311547	738244	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Acrylonitrile	BCM	Ave	++++ 437903	++++ 551420	12175 1143556	116101	284668	++++ 15.0	++++ 20.0	0.450 40.0	4.49	10.00
n-Hexane	BCM	Ave	++++ 1054594	12114 1302669	29689 2618172	287185	696174	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,1-Dichloroethane	BCM	Ave	4484 1382723	17529 1722574	41885 3512280	380603	911513	0.0351 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Vinyl acetate	BCM	Ave	++++ 1191735	++++ 1485114	++++ 3049007	311557	775902	++++ 15.0	++++ 20.0	++++ 40.0	4.49	10.00
cis-1,2-Dichloroethene	BCM	Ave	3631 1039494	12844 1298780	30284 2663874	279358	673177	0.0351 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Methyl Ethyl Ketone	BCM	Ave	++++ 411582	++++ 509764	10849 1027998	108910	272026	++++ 15.0	++++ 20.0	0.450 40.0	4.49	10.00
Ethyl acetate	BCM	Ave	++++ 82087	++++ 103265	++++ 214578	21179	53758	++++ 15.0	++++ 20.0	++++ 40.0	4.49	10.00
Tetrahydrofuran	DFBZ	Ave	++++ 511790	++++ 640295	++++ 1292192	136320	342951	++++ 15.0	++++ 20.0	++++ 40.0	4.49	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52071-1 Analy Batch No.: 150142

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2019 18:28 Calibration End Date: 11/26/2019 03:35 Calibration ID: 42772

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	++++ 2023562	25450 2531231	61041 5198201	554303	1326429	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Cyclohexane	DFBZ	Ave	++++ 1280357	14437 1580434	36104 3189403	343265	835182	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,1,1-Trichloroethane	DFBZ	Ave	++++ 2322009	28452 2916392	67722 5974950	629304	1515595	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Carbon tetrachloride	DFBZ	Ave	7692 2635567	30874 3338222	73423 6892841	707197	1711228	0.0351 15.0	0.180 20.0	0.450 40.0	4.49	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	++++ 3313728	37710 4079530	92792 8066021	912183	2213095	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Benzene	DFBZ	Ave	++++ 2744512	36782 3427277	82624 6976257	757046	1809790	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,2-Dichloroethane	DFBZ	Ave	3928 1180994	14409 1494456	35296 3071314	322973	780077	0.0351 15.0	0.180 20.0	0.450 40.0	4.49	10.00
n-Heptane	DFBZ	Ave	++++ 918995	9944 1135441	25851 2222822	256949	617652	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
n-Butanol	DFBZ	Ave	++++ 351077	++++ 447066	++++ 944748	86313	224295	++++ 13.7	++++ 18.2	++++ 36.4	4.09	9.11
Trichloroethene	DFBZ	Ave	4915 1380808	17489 1735238	40305 3526762	378311	906167	0.0351 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,2-Dichloropropane	DFBZ	Ave	++++ 849986	10002 1053548	24398 2125048	233950	567035	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Methyl methacrylate	DFBZ	Ave	++++ 878893	++++ 1103880	19180 2299464	220345	576741	++++ 15.0	++++ 20.0	0.450 40.0	4.49	10.00
1,4-Dioxane	DFBZ	Ave	++++ 577922	++++ 725852	++++ 1494944	161475	399651	++++ 15.0	++++ 20.0	++++ 40.0	4.49	10.00
Dibromomethane	DFBZ	Ave	++++ 1655387	20352 2115883	47094 4384353	430093	1057653	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Bromodichloromethane	DFBZ	Ave	++++ 2158859	23728 2719270	57747 5555654	582362	1415623	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	++++ 1616766	16366 2034061	38914 4186964	418156	1055806	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
methyl isobutyl ketone	DFBZ	Ave	++++ 1195118	++++ 1499620	29736 3020634	320012	804408	++++ 15.0	++++ 20.0	0.450 40.0	4.49	10.00
Toluene	CBNZ d5	Ave	++++ 2157770	26256 2689118	62162 5348426	588371	1427934	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
n-Octane	DFBZ	Ave	++++ 1222532	13125 1496365	35452 2795629	352915	838030	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
trans-1,3-Dichloropropene	DFBZ	Ave	++++ 1701601	16491 2168233	39747 4479787	432647	1106907	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,1,2-Trichloroethane	CBNZ d5	Ave	++++ 1145909	13798 1446634	32541 2895343	304413	753566	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52071-1 Analy Batch No.: 150142

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2019 18:28 Calibration End Date: 11/26/2019 03:35 Calibration ID: 42772

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	CBNZ d5	Ave	8543 2589894	31810 3341632	72290 6957530	630816	1632637	0.0351 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Methyl Butyl Ketone (2-Hexanone)	CBNZ d5	Ave	++++ 1410442	++++ 1788893	29328 3545712	362850	932075	++++ 15.0	++++ 20.0	0.450 40.0	4.49	10.00
Dibromochloromethane	CBNZ d5	Ave	++++ 2996055	27841 3858047	68689 7929416	735131	1908475	++++ 15.9	0.191 21.2	0.477 42.4	4.76	10.6
1,2-Dibromoethane	CBNZ d5	Ave	++++ 2380648	24522 3050136	60204 6239776	594550	1528442	++++ 16.0	0.192 21.3	0.480 42.6	4.79	10.7
Chlorobenzene	CBNZ d5	Ave	++++ 3692386	46701 4720788	106585 9693634	939919	2376858	++++ 15.8	0.189 21.0	0.473 42.0	4.72	10.5
Ethylbenzene	CBNZ d5	Ave	++++ 5544537	61674 7045763	149990 14212820	1438975	3647481	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
n-Nonane	CBNZ d5	Ave	++++ 1974919	20233 2460505	53426 4647510	545184	1342310	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
m,p-Xylene	CBNZ d5	Ave	++++ 4587344	52014 5813052	127256 11216584	1199678	3038247	++++ 30.0	0.361 40.0	0.901 80.0	8.99	20.0
Xylene, o-	CBNZ d5	Ave	++++ 2237503	22716 2890158	56535 5914979	568956	1456442	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Styrene	CBNZ d5	Ave	++++ 3496019	25275 4532850	65600 9458292	827379	2223731	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Bromoform	CBNZ d5	Ave	++++ 3159760	21784 4182168	56092 8721805	727464	1985304	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Cumene	CBNZ d5	Ave	++++ 6760477	65903 8635037	167917 17058900	1728530	4380626	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,1,2,2-Tetrachloroethane	CBNZ d5	Ave	++++ 3074388	33705 3874953	82058 7341837	824520	2017899	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
n-Propylbenzene	CBNZ d5	Ave	++++ 7621329	77172 9605311	193847 18153553	1998858	4964828	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,2,3-Trichloropropane	CBNZ d5	Ave	++++ 2467117	++++ 3101061	68701 5878479	662363	1624144	++++ 16.0	++++ 21.3	0.479 42.6	4.78	10.6
n-Decane	CBNZ d5	Ave	++++ 2360965	++++ 2885622	68816 4855272	744197	1675159	++++ 15.0	++++ 20.0	0.450 40.0	4.49	10.00
4-Ethyltoluene	CBNZ d5	Ave	++++ 6398980	68670 7910407	174090 13725401	1755178	4281993	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
2-Chlorotoluene	CBNZ d5	Ave	++++ 5181569	62514 6421616	152086 11522220	1438567	3488119	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,3,5-Trimethylbenzene	CBNZ d5	Ave	++++ 5763988	59866 7449010	147925 14200513	1503471	3733342	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Alpha Methyl Styrene	CBNZ d5	Ave	++++ 3035603	17073 3977524	46385 7907497	696739	1896690	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
tert-Butylbenzene	CBNZ d5	Ave	++++ 5768632	60492 7491232	152816 14210702	1519260	3725428	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52071-1 Analy Batch No.: 150142

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2019 18:28 Calibration End Date: 11/26/2019 03:35 Calibration ID: 42772

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	CBNZ d5	Ave	++++ 5742922	56984 7438827	143123 14076711	1507604	3726865	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
sec-Butylbenzene	CBNZ d5	Ave	++++ 8354516	85084 10773831	220741 19331077	2251267	5481993	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
4-Isopropyltoluene	CBNZ d5	Ave	++++ 7450651	70580 9622137	183497 17264909	1972539	4850101	++++ 15.8	0.189 21.0	0.473 42.0	4.72	10.5
1,3-Dichlorobenzene	CBNZ d5	Ave	++++ 4126416	41780 5461485	97366 10498570	979760	2564710	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,4-Dichlorobenzene	CBNZ d5	Ave	++++ 3964705	37443 5302509	84652 10459163	904784	2432298	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Benzyl chloride	CBNZ d5	Ave	++++ 4672863	27557 6252468	70296 12567567	1048837	2888894	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
n-Butylbenzene	CBNZ d5	Ave	++++ 6089125	58001 7654597	147968 13343316	1749340	4092736	++++ 15.8	0.190 21.0	0.473 42.0	4.72	10.5
n-Undecane	CBNZ d5	Ave	++++ 2687552	++++ 3262105	++++ 5316813	901013	1912481	++++ 16.1	++++ 21.4	++++ 42.9	4.82	10.7
1,2-Dichlorobenzene	CBNZ d5	Ave	++++ 4092146	42583 5460637	100050 10569606	1003216	2548732	++++ 16.1	0.194 21.5	0.485 43.0	4.83	10.8
n-Dodecane	CBNZ d5	Ave	++++ 2432949	++++ 2940801	++++ 5472127	793531	1611366	++++ 16.0	++++ 21.3	++++ 42.6	4.78	10.6
1,2,4-Trichlorobenzene	CBNZ d5	Ave	++++ 3042922	++++ 4218484	41163 8880673	635893	1700494	++++ 16.5	++++ 22.0	0.495 43.9	4.93	11.0
Hexachlorobutadiene	CBNZ d5	Ave	++++ 3767759	37325 5073625	86260 9524348	940312	2329297	++++ 16.3	0.196 21.7	0.489 43.4	4.88	10.8
Naphthalene	CBNZ d5	Ave	++++ 6521808	++++ 8851625	92628 18123562	1510684	3669552	++++ 15.8	++++ 21.0	0.473 42.0	4.72	10.5
1,2,3-Trichlorobenzene	CBNZ d5	Ave	++++ 3036486	++++ 4159724	51908 8600502	713687	1740655	++++ 16.3	++++ 21.7	0.489 43.4	4.88	10.9

Curve Type Legend:

Ave = Average ISTD

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52091-1 Analy Batch No.: 150142

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2019 18:28 Calibration End Date: 11/26/2019 03:35 Calibration ID: 42772

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-150142/13	38970-13.D
Level 2	IC 200-150142/14	38970-14.D
Level 3	IC 200-150142/15	38970-15.D
Level 4	IC 200-150142/4	38970-04.D
Level 5	ICIS 200-150142/5	38970-05.D
Level 6	IC 200-150142/6	38970-06.D
Level 7	IC 200-150142/9	38970-09.D
Level 8	IC 200-150142/10	38970-10.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	++++ 0.9550	++++ 0.9030	++++ 0.9308	0.9345	0.9491	Ave		0.9345				2.2		30.0			
Dichlorodifluoromethane	++++ 3.7862	++++ 3.7512	++++ 4.1722 3.9451	3.6467	3.6668	Ave		3.8280				5.2		30.0			
Freon 22	++++ 2.0652	++++ 1.9868	2.2221 2.0988	2.0221	2.0372	Ave		2.0720				4.0		30.0			
1,2-Dichlorotetrafluoroethane	++++ 4.1123	4.8041 4.1490	4.5355 4.4531	3.8352	3.9505	Ave		4.2628				8.1		30.0			
Chloromethane	++++ 1.3631	++++ 1.3416	1.4782 1.3886	1.3112	1.3353	Ave		1.3697				4.3		30.0			
n-Butane	++++ 1.5712	++++ 1.4093	1.7724 1.4684	1.6210	1.5896	Ave		1.5720				8.0		30.0			
Vinyl chloride	2.1249 1.2848	1.1341 1.1414	1.4185 1.1847	1.3073	1.2889	Ave		1.3606				23.8		30.0			
1,3-Butadiene	1.0958 0.7043	0.6754 0.6157	0.7416 0.6494	0.7080	0.7058	Ave		0.7370				20.4		30.0			
Bromomethane	++++ 1.6511	1.9659 1.5947	1.7845 1.7133	1.4987	1.5214	Ave		1.6756				9.7		30.0			
Chloroethane	++++ 0.8345	++++ 0.8238	0.9208 0.8474	0.8189	0.8173	Ave		0.8438				4.7		30.0			
Isopentane	++++ 1.5951	1.7989 1.5499	1.7598 1.5003	1.6082	1.6102	Ave		1.6318				6.7		30.0			
Bromoethene (Vinyl Bromide)	++++ 1.6036	1.9040 1.6177	1.7427 1.6960	1.5099	1.5408	Ave		1.6592				8.1		30.0			
Trichlorofluoromethane	++++ 4.2970	5.0151 4.2775	4.7316 4.3462	4.2831	4.2432	Ave		4.4562				6.7		30.0			
n-Pentane	++++ 2.1460	++++ 2.0683	2.3529 1.9374	2.2285	2.1958	Ave		2.1548				6.6		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52091-1 Analy Batch No.: 150142

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2019 18:28 Calibration End Date: 11/26/2019 03:35 Calibration ID: 42772

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	++++ 0.5050	++++ 0.4465	0.6537 0.3826	0.5031	0.5419	Ave		0.5055				18.1		30.0			
Ethyl ether	++++ 0.9141	0.9846 0.8736	0.9910 0.8496	0.9136	0.9149	Ave		0.9202				5.7		30.0			
Acrolein	++++ 0.3894	++++ 0.3635	++++ 0.3291	0.4083	0.3983	Ave		0.3777				8.4		30.0			
Freon TF	++++ 3.0954	3.5611 2.9743	3.4884 2.8388	3.2423	3.1342	Ave		3.1906				8.2		30.0			
1,1-Dichloroethene	2.5246 1.5524	1.7916 1.4897	1.7421 1.4620	1.5814	1.5586	Ave		1.7128				20.3		30.0			
Acetone	++++ 1.1912	++++ 1.1488	++++ 1.1010	1.2866	1.2696	Ave		1.1994				6.6		30.0			
Carbon disulfide	++++ 3.3793	++++ 3.2415	3.5501 3.1641	3.5655	3.4469	Ave		3.3912				4.8		30.0			
Isopropyl alcohol	++++ 1.1593	++++ 1.0766	++++ 1.0430	1.1949	1.1881	Ave		1.1324				6.1		30.0			
3-Chloropropene	++++ 0.9657	0.9344 0.9246	1.0109 0.8791	1.0132	0.9957	Ave		0.9605				5.2		30.0			
Acetonitrile	++++ 0.5130	++++ 0.4903	++++ 0.4727	0.5328	0.5339	Ave		0.5085				5.3		30.0			
Methylene Chloride	++++ 0.9892	++++ 0.9505	1.1566 0.9039	1.0742	1.0355	Ave		1.0183				8.9		30.0			
tert-Butyl alcohol	++++ 1.9336	++++ 1.8600	++++ 1.8269	1.8954	1.9731	Ave		1.8978				3.1		30.0			
Methyl tert-butyl ether	++++ 3.3773	3.4696 3.2533	3.4101 3.2207	3.3220	3.4433	Ave		3.3566				2.8		30.0			
trans-1,2-Dichloroethene	++++ 1.5585	1.7332 1.4970	1.6828 1.4258	1.6478	1.6082	Ave		1.5933				6.7		30.0			
Acrylonitrile	++++ 0.6105	++++ 0.5932	0.6206 0.5828	0.6141	0.6201	Ave		0.6069				2.5		30.0			
n-Hexane	++++ 1.4703	1.4943 1.4013	1.5134 1.3343	1.5189	1.5165	Ave		1.4642				4.8		30.0			
1,1-Dichloroethane	2.7403 1.9278	2.1623 1.8531	2.1351 1.7900	2.0130	1.9856	Ave		2.0759				14.3		30.0			
Vinyl acetate	++++ 1.6615	++++ 1.5976	++++ 1.5539	1.6478	1.6902	Ave		1.6302				3.3		30.0			
cis-1,2-Dichloroethene	2.2190 1.4493	1.5844 1.3972	1.5437 1.3576	1.4775	1.4664	Ave		1.5619				17.6		30.0			
Methyl Ethyl Ketone	++++ 0.5738	++++ 0.5484	0.5530 0.5239	0.5760	0.5926	Ave		0.5613				4.4		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52091-1 Analy Batch No.: 150142

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2019 18:28 Calibration End Date: 11/26/2019 03:35 Calibration ID: 42772

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	++++ 0.1144	++++ 0.1111	++++ 0.1094	0.1120	0.1171	Ave		0.1128				2.7		30.0			
Tetrahydrofuran	++++ 0.1475	++++ 0.1416	++++ 0.1325	0.1516	0.1549	Ave		0.1456				6.1		30.0			
Chloroform	++++ 2.8213	3.1393 2.7230	3.1116 2.6492	2.9317	2.8895	Ave		2.8951				6.4		30.0			
Cyclohexane	++++ 0.3689	0.3684 0.3494	0.3824 0.3269	0.3818	0.3771	Ave		0.3650				5.5		30.0			
1,1,1-Trichloroethane	++++ 0.6690	0.7260 0.6448	0.7174 0.6124	0.7000	0.6844	Ave		0.6791				6.0		30.0			
Carbon tetrachloride	0.9780 0.7593	0.7878 0.7381	0.7778 0.7065	0.7866	0.7727	Ave		0.7884				10.3		30.0			
2,2,4-Trimethylpentane	++++ 0.9547	0.9623 0.9020	0.9829 0.8268	1.0146	0.9994	Ave		0.9490				6.8		30.0			
Benzene	++++ 0.7907	0.9386 0.7578	0.8752 0.7151	0.8420	0.8173	Ave		0.8195				9.1		30.0			
1,2-Dichloroethane	0.4994 0.3403	0.3677 0.3304	0.3739 0.3148	0.3592	0.3523	Ave		0.3673				15.5		30.0			
n-Heptane	++++ 0.2648	0.2537 0.2511	0.2738 0.2278	0.2858	0.2789	Ave		0.2623				7.6		30.0			
n-Butanol	++++ 0.1110	++++ 0.1085	++++ 0.1063	0.1054	0.1112	Ave		0.1085				2.4		30.0			
Trichloroethene	0.6249 0.3978	0.4463 0.3837	0.4269 0.3615	0.4208	0.4092	Ave		0.4339				18.8		30.0			
1,2-Dichloropropane	++++ 0.2449	0.2552 0.2329	0.2584 0.2178	0.2602	0.2561	Ave		0.2465				6.4		30.0			
Methyl methacrylate	++++ 0.2532	++++ 0.2441	0.2032 0.2357	0.2451	0.2604	Ave		0.2403				8.3		30.0			
1,4-Dioxane	++++ 0.1665	++++ 0.1605	++++ 0.1532	0.1796	0.1805	Ave		0.1681				7.1		30.0			
Dibromomethane	++++ 0.4769	0.5193 0.4678	0.4989 0.4494	0.4784	0.4776	Ave		0.4812				4.6		30.0			
Bromodichloromethane	++++ 0.6220	0.6055 0.6013	0.6117 0.5695	0.6477	0.6393	Ave		0.6138				4.2		30.0			
cis-1,3-Dichloropropene	++++ 0.4658	0.4176 0.4497	0.4122 0.4292	0.4651	0.4768	Ave		0.4452				5.8		30.0			
methyl isobutyl ketone	++++ 0.3443	++++ 0.3316	0.3150 0.3096	0.3559	0.3633	Ave		0.3366				6.5		30.0			
Toluene	++++ 0.5987	0.6997 0.5662	0.6995 0.5187	0.6712	0.6248	Ave		0.6256				11.1		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52091-1 Analy Batch No.: 150142

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2019 18:28 Calibration End Date: 11/26/2019 03:35 Calibration ID: 42772

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	++++ 0.3522	0.3349 0.3309	0.3755 0.2866	0.3925	0.3784	Ave		0.3502				10.4		30.0			
trans-1,3-Dichloropropene	++++ 0.4903	0.4208 0.4794	0.4210 0.4592	0.4812	0.4999	Ave		0.4645				6.9		30.0			
1,1,2-Trichloroethane	++++ 0.3180	0.3677 0.3046	0.3662 0.2808	0.3473	0.3297	Ave		0.3306				9.8		30.0			
Tetrachloroethene	1.1540 0.7186	0.8478 0.7036	0.8134 0.6748	0.7196	0.7144	Ave		0.7933				19.8		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.3914	++++ 0.3767	0.3300 0.3439	0.4139	0.4078	Ave		0.3773				9.0		30.0			
Dibromochloromethane	++++ 0.7843	0.7000 0.7664	0.7292 0.7255	0.7912	0.7878	Ave		0.7549				4.8		30.0			
1,2-Dibromoethane	++++ 0.6197	0.6131 0.6025	0.6355 0.5677	0.6363	0.6274	Ave		0.6146				3.9		30.0			
Chlorobenzene	++++ 0.9757	1.1854 0.9467	1.1422 0.8953	1.0212	0.9905	Ave		1.0224				10.3		30.0			
Ethylbenzene	++++ 1.5384	1.6437 1.4836	1.6877 1.3784	1.6416	1.5960	Ave		1.5671				6.9		30.0			
n-Nonane	++++ 0.5480	0.5392 0.5181	0.6012 0.4507	0.6220	0.5873	Ave		0.5524				10.5		30.0			
m,p-Xylene	++++ 0.6364	0.6931 0.6120	0.7160 0.5439	0.6843	0.6647	Ave		0.6501				9.0		30.0			
Xylene, o-	++++ 0.6208	0.6054 0.6086	0.6361 0.5736	0.6491	0.6373	Ave		0.6187				4.1		30.0			
Styrene	++++ 0.9700	0.6736 0.9545	0.7382 0.9173	0.9439	0.9730	Ave		0.8815				13.9		30.0			
Bromoform	++++ 0.8767	0.5806 0.8806	0.6312 0.8459	0.8299	0.8687	Ave		0.7876				16.0		30.0			
Cumene	++++ 1.8758	1.7564 1.8183	1.8895 1.6544	1.9719	1.9168	Ave		1.8404				5.8		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.8530	0.8983 0.8160	0.9233 0.7120	0.9406	0.8829	Ave		0.8609				9.0		30.0			
n-Propylbenzene	++++ 2.1147	2.0567 2.0226	2.1812 1.7606	2.2803	2.1724	Ave		2.0841				8.0		30.0			
1,2,3-Trichloropropane	++++ 0.6434	++++ 0.6137	0.7265 0.5358	0.7102	0.6679	Ave		0.6496				10.7		30.0			
n-Decane	++++ 0.6551	++++ 0.6076	0.7743 0.4709	0.8490	0.7330	Ave		0.6816				19.7		30.0			
4-Ethyltoluene	++++ 1.7755	1.8301 1.6657	1.9589 1.3311	2.0023	1.8736	Ave		1.7768				12.7		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52091-1 Analy Batch No.: 150142

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2019 18:28 Calibration End Date: 11/26/2019 03:35 Calibration ID: 42772

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	++++ 1.4377	1.6660 1.3522	1.7113 1.1174	1.6411	1.5262	Ave		1.4932				14.1		30.0			
1,3,5-Trimethylbenzene	++++ 1.5993	1.5955 1.5685	1.6645 1.3772	1.7152	1.6335	Ave		1.5934				6.7		30.0			
Alpha Methyl Styrene	++++ 0.8423	0.4550 0.8375	0.5219 0.7669	0.7949	0.8299	Ave		0.7212				22.5		30.0			
tert-Butylbenzene	++++ 1.6006	1.6122 1.5774	1.7195 1.3782	1.7332	1.6301	Ave		1.6073				7.3		30.0			
1,2,4-Trimethylbenzene	++++ 1.5935	1.5187 1.5664	1.6105 1.3652	1.7199	1.6307	Ave		1.5721				7.0		30.0			
sec-Butylbenzene	++++ 2.3181	2.2676 2.2687	2.4838 1.8748	2.5683	2.3987	Ave		2.3114				9.6		30.0			
4-Isopropyltoluene	++++ 1.9689	1.7914 1.9297	1.9664 1.5946	2.1432	2.0211	Ave		1.9165				9.2		30.0			
1,3-Dichlorobenzene	++++ 1.1449	1.1135 1.1500	1.0956 1.0182	1.1177	1.1222	Ave		1.1089				4.0		30.0			
1,4-Dichlorobenzene	++++ 1.1001	0.9979 1.1166	0.9525 1.0143	1.0322	1.0643	Ave		1.0397				5.6		30.0			
Benzyl chloride	++++ 1.2966	0.7344 1.3166	0.7910 1.2188	1.1965	1.2641	Ave		1.1169				22.0		30.0			
n-Butylbenzene	++++ 1.6075	1.4708 1.5336	1.5842 1.2313	1.8988	1.7039	Ave		1.5757				13.0		30.0			
n-Undecane	++++ 0.6956	++++ 0.6408	++++ 0.4810	0.9589	0.7806	Ave		0.7114				24.8		30.0			
1,2-Dichlorobenzene	++++ 1.0552	1.0547 1.0686	1.0463 0.9527	1.0637	1.0364	Ave		1.0397				3.8		30.0			
n-Dodecane	++++ 0.6345	++++ 0.5820	++++ 0.4988	0.8508	0.6627	Ave		0.6457				20.2		30.0			
1,2,4-Trichlorobenzene	++++ 0.7690	++++ 0.8090	0.4218 0.7844	0.6607	0.6777	Ave		0.6871				20.8		30.0			
Hexachlorobutadiene	++++ 0.9635	0.9168 0.9847	0.8946 0.8513	0.9887	0.9394	Ave		0.9341				5.4		30.0			
Naphthalene	++++ 1.7234	++++ 1.7751	0.9926 1.6740	1.6414	1.5292	Ave		1.5559				18.5		30.0			
1,2,3-Trichlorobenzene	++++ 0.7758	++++ 0.8066	0.5378 0.7680	0.7497	0.7013	Ave		0.7232				13.4		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52091-1 Analy Batch No.: 150142

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2019 18:28 Calibration End Date: 11/26/2019 03:35 Calibration ID: 42772

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-150142/13	38970-13.D
Level 2	IC 200-150142/14	38970-14.D
Level 3	IC 200-150142/15	38970-15.D
Level 4	IC 200-150142/4	38970-04.D
Level 5	ICIS 200-150142/5	38970-05.D
Level 6	IC 200-150142/6	38970-06.D
Level 7	IC 200-150142/9	38970-09.D
Level 8	IC 200-150142/10	38970-10.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	+++++ 684935	+++++ 839410	+++++ 1826329	176682	435672	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.49	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 2873135	+++++ 3689283	86596 8189826	729470	1780915	+++++ 15.9	+++++ 21.2	0.477 42.3	4.75	10.6
Freon 22	BCM	Ave	+++++ 1567184	+++++ 1954023	46121 4357118	404493	989410	+++++ 15.9	+++++ 21.2	0.477 42.3	4.75	10.6
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 3123566	41244 4084365	94225 9253232	767902	1920493	+++++ 15.9	0.191 21.2	0.477 42.4	4.76	10.6
Chloromethane	BCM	Ave	+++++ 977658	+++++ 1247134	28998 2724608	247912	612976	+++++ 15.0	+++++ 20.0	0.450 40.0	4.49	10.00
n-Butane	BCM	Ave	+++++ 1126938	+++++ 1310098	34770 2881178	306479	729733	+++++ 15.0	+++++ 20.0	0.450 40.0	4.49	10.00
Vinyl chloride	BCM	Ave	3477 921531	9194 1061016	27827 2324516	247168	591685	0.0351 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,3-Butadiene	BCM	Ave	1793 505148	5475 572302	14549 1274183	133854	323997	0.0351 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Bromomethane	BCM	Ave	+++++ 1184270	15937 1482369	35007 3361786	283350	698405	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Chloroethane	BCM	Ave	+++++ 632690	+++++ 809472	19094 1757538	163649	396575	+++++ 15.9	+++++ 21.1	0.476 42.3	4.75	10.6
Isopentane	BCM	Ave	+++++ 1144070	14583 1440770	34523 2943904	304055	739159	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	+++++ 1150192	15435 1503814	34188 3327750	285471	707296	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 3081988	40656 3976289	92823 8527975	809809	1947860	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
n-Pentane	BCM	Ave	+++++ 1539235	+++++ 1922617	46159 3801577	421351	1008008	+++++ 15.0	+++++ 20.0	0.450 40.0	4.49	10.00
Ethanol	BCM	Ave	+++++ 483966	+++++ 830228	128387 1876826	190362	373307	+++++ 20.0	+++++ 40.0	4.51 100.0	8.99	15.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52091-1 Analy Batch No.: 150142

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2019 18:28 Calibration End Date: 11/26/2019 03:35 Calibration ID: 42772

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	++++ 655659	7982 812066	19440 1667040	172738	420004	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Acrolein	BCM	Ave	++++ 279290	++++ 337893	++++ 645756	77205	182836	++++ 15.0	++++ 20.0	++++ 40.0	4.49	10.00
Freon TF	BCM	Ave	++++ 2371122	30832 2952882	73088 5949010	654704	1536595	++++ 16.0	0.193 21.4	0.481 42.7	4.80	10.7
1,1-Dichloroethene	BCM	Ave	4131 1113471	14524 1384775	34176 2868607	298989	715500	0.0351 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Acetone	BCM	Ave	++++ 854356	++++ 1067931	++++ 2160351	243249	582831	++++ 15.0	++++ 20.0	++++ 40.0	4.49	10.00
Carbon disulfide	BCM	Ave	++++ 2423774	++++ 3013271	69645 6208442	674122	1582301	++++ 15.0	++++ 20.0	0.450 40.0	4.49	10.00
Isopropyl alcohol	BCM	Ave	++++ 831479	++++ 1000770	++++ 2046520	225923	545410	++++ 15.0	++++ 20.0	++++ 40.0	4.49	10.00
3-Chloropropene	BCM	Ave	++++ 743243	8128 922285	21279 1850905	205544	490424	++++ 16.1	0.194 21.5	0.483 42.9	4.82	10.7
Acetonitrile	BCM	Ave	++++ 367913	++++ 455782	++++ 927452	100737	245068	++++ 15.0	++++ 20.0	++++ 40.0	4.49	10.00
Methylene Chloride	BCM	Ave	++++ 709530	++++ 883600	22689 1773562	203100	475362	++++ 15.0	++++ 20.0	0.450 40.0	4.49	10.00
tert-Butyl alcohol	BCM	Ave	++++ 1497779	++++ 1867375	++++ 3871462	387035	978227	++++ 16.2	++++ 21.6	++++ 43.2	4.85	10.8
Methyl tert-butyl ether	BCM	Ave	++++ 2557996	29702 3193619	70643 6673363	663262	1669158	++++ 15.8	0.190 21.1	0.476 42.2	4.74	10.6
trans-1,2-Dichloroethene	BCM	Ave	++++ 1117797	14051 1391594	33013 2797586	311547	738244	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Acrylonitrile	BCM	Ave	++++ 437903	++++ 551420	12175 1143556	116101	284668	++++ 15.0	++++ 20.0	0.450 40.0	4.49	10.00
n-Hexane	BCM	Ave	++++ 1054594	12114 1302669	29689 2618172	287185	696174	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,1-Dichloroethane	BCM	Ave	4484 1382723	17529 1722574	41885 3512280	380603	911513	0.0351 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Vinyl acetate	BCM	Ave	++++ 1191735	++++ 1485114	++++ 3049007	311557	775902	++++ 15.0	++++ 20.0	++++ 40.0	4.49	10.00
cis-1,2-Dichloroethene	BCM	Ave	3631 1039494	12844 1298780	30284 2663874	279358	673177	0.0351 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Methyl Ethyl Ketone	BCM	Ave	++++ 411582	++++ 509764	10849 1027998	108910	272026	++++ 15.0	++++ 20.0	0.450 40.0	4.49	10.00
Ethyl acetate	BCM	Ave	++++ 82087	++++ 103265	++++ 214578	21179	53758	++++ 15.0	++++ 20.0	++++ 40.0	4.49	10.00
Tetrahydrofuran	DFBZ	Ave	++++ 511790	++++ 640295	++++ 1292192	136320	342951	++++ 15.0	++++ 20.0	++++ 40.0	4.49	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52091-1 Analy Batch No.: 150142

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2019 18:28 Calibration End Date: 11/26/2019 03:35 Calibration ID: 42772

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	+++++ 2023562	25450 2531231	61041 5198201	554303	1326429	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Cyclohexane	DFBZ	Ave	+++++ 1280357	14437 1580434	36104 3189403	343265	835182	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,1,1-Trichloroethane	DFBZ	Ave	+++++ 2322009	28452 2916392	67722 5974950	629304	1515595	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Carbon tetrachloride	DFBZ	Ave	7692 2635567	30874 3338222	73423 6892841	707197	1711228	0.0351 15.0	0.180 20.0	0.450 40.0	4.49	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	+++++ 3313728	37710 4079530	92792 8066021	912183	2213095	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Benzene	DFBZ	Ave	+++++ 2744512	36782 3427277	82624 6976257	757046	1809790	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,2-Dichloroethane	DFBZ	Ave	3928 1180994	14409 1494456	35296 3071314	322973	780077	0.0351 15.0	0.180 20.0	0.450 40.0	4.49	10.00
n-Heptane	DFBZ	Ave	+++++ 918995	9944 1135441	25851 2222822	256949	617652	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
n-Butanol	DFBZ	Ave	+++++ 351077	+++++ 447066	+++++ 944748	86313	224295	+++++ 13.7	+++++ 18.2	+++++ 36.4	4.09	9.11
Trichloroethene	DFBZ	Ave	4915 1380808	17489 1735238	40305 3526762	378311	906167	0.0351 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,2-Dichloropropane	DFBZ	Ave	+++++ 849986	10002 1053548	24398 2125048	233950	567035	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Methyl methacrylate	DFBZ	Ave	+++++ 878893	+++++ 1103880	19180 2299464	220345	576741	+++++ 15.0	+++++ 20.0	0.450 40.0	4.49	10.00
1,4-Dioxane	DFBZ	Ave	+++++ 577922	+++++ 725852	+++++ 1494944	161475	399651	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.49	10.00
Dibromomethane	DFBZ	Ave	+++++ 1655387	20352 2115883	47094 4384353	430093	1057653	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Bromodichloromethane	DFBZ	Ave	+++++ 2158859	23728 2719270	57747 5555654	582362	1415623	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	+++++ 1616766	16366 2034061	38914 4186964	418156	1055806	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
methyl isobutyl ketone	DFBZ	Ave	+++++ 1195118	+++++ 1499620	29736 3020634	320012	804408	+++++ 15.0	+++++ 20.0	0.450 40.0	4.49	10.00
Toluene	CBNZ d5	Ave	+++++ 2157770	26256 2689118	62162 5348426	588371	1427934	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
n-Octane	DFBZ	Ave	+++++ 1222532	13125 1496365	35452 2795629	352915	838030	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
trans-1,3-Dichloropropene	DFBZ	Ave	+++++ 1701601	16491 2168233	39747 4479787	432647	1106907	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,1,2-Trichloroethane	CBNZ d5	Ave	+++++ 1145909	13798 1446634	32541 2895343	304413	753566	+++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52091-1 Analy Batch No.: 150142

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2019 18:28 Calibration End Date: 11/26/2019 03:35 Calibration ID: 42772

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	CBNZ d5	Ave	8543 2589894	31810 3341632	72290 6957530	630816	1632637	0.0351 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Methyl Butyl Ketone (2-Hexanone)	CBNZ d5	Ave	++++ 1410442	++++ 1788893	++++ 29328 3545712	362850	932075	++++ 15.0	++++ 20.0	0.450 40.0	4.49	10.00
Dibromochloromethane	CBNZ d5	Ave	++++ 2996055	27841 3858047	68689 7929416	735131	1908475	++++ 15.9	0.191 21.2	0.477 42.4	4.76	10.6
1,2-Dibromoethane	CBNZ d5	Ave	++++ 2380648	24522 3050136	60204 6239776	594550	1528442	++++ 16.0	0.192 21.3	0.480 42.6	4.79	10.7
Chlorobenzene	CBNZ d5	Ave	++++ 3692386	46701 4720788	106585 9693634	939919	2376858	++++ 15.8	0.189 21.0	0.473 42.0	4.72	10.5
Ethylbenzene	CBNZ d5	Ave	++++ 5544537	61674 7045763	149990 14212820	1438975	3647481	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
n-Nonane	CBNZ d5	Ave	++++ 1974919	20233 2460505	53426 4647510	545184	1342310	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
m,p-Xylene	CBNZ d5	Ave	++++ 4587344	52014 5813052	127256 11216584	1199678	3038247	++++ 30.0	0.361 40.0	0.901 80.0	8.99	20.0
Xylene, o-	CBNZ d5	Ave	++++ 2237503	22716 2890158	56535 5914979	568956	1456442	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Styrene	CBNZ d5	Ave	++++ 3496019	25275 4532850	65600 9458292	827379	2223731	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Bromoform	CBNZ d5	Ave	++++ 3159760	21784 4182168	56092 8721805	727464	1985304	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Cumene	CBNZ d5	Ave	++++ 6760477	65903 8635037	167917 17058900	1728530	4380626	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,1,2,2-Tetrachloroethane	CBNZ d5	Ave	++++ 3074388	33705 3874953	82058 7341837	824520	2017899	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
n-Propylbenzene	CBNZ d5	Ave	++++ 7621329	77172 9605311	193847 18153553	1998858	4964828	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,2,3-Trichloropropane	CBNZ d5	Ave	++++ 2467117	++++ 3101061	68701 5878479	662363	1624144	++++ 16.0	++++ 21.3	0.479 42.6	4.78	10.6
n-Decane	CBNZ d5	Ave	++++ 2360965	++++ 2885622	68816 4855272	744197	1675159	++++ 15.0	++++ 20.0	0.450 40.0	4.49	10.00
4-Ethyltoluene	CBNZ d5	Ave	++++ 6398980	68670 7910407	174090 13725401	1755178	4281993	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
2-Chlorotoluene	CBNZ d5	Ave	++++ 5181569	62514 6421616	152086 11522220	1438567	3488119	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,3,5-Trimethylbenzene	CBNZ d5	Ave	++++ 5763988	59866 7449010	147925 14200513	1503471	3733342	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Alpha Methyl Styrene	CBNZ d5	Ave	++++ 3035603	17073 3977524	46385 7907497	696739	1896690	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
tert-Butylbenzene	CBNZ d5	Ave	++++ 5768632	60492 7491232	152816 14210702	1519260	3725428	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52091-1 Analy Batch No.: 150142

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2019 18:28 Calibration End Date: 11/26/2019 03:35 Calibration ID: 42772

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	CBNZ d5	Ave	++++ 5742922	56984 7438827	143123 14076711	1507604	3726865	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
sec-Butylbenzene	CBNZ d5	Ave	++++ 8354516	85084 10773831	220741 19331077	2251267	5481993	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
4-Isopropyltoluene	CBNZ d5	Ave	++++ 7450651	70580 9622137	183497 17264909	1972539	4850101	++++ 15.8	0.189 21.0	0.473 42.0	4.72	10.5
1,3-Dichlorobenzene	CBNZ d5	Ave	++++ 4126416	41780 5461485	97366 10498570	979760	2564710	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
1,4-Dichlorobenzene	CBNZ d5	Ave	++++ 3964705	37443 5302509	84652 10459163	904784	2432298	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Benzyl chloride	CBNZ d5	Ave	++++ 4672863	27557 6252468	70296 12567567	1048837	2888894	++++ 15.0	0.180 20.0	0.450 40.0	4.49	10.00
n-Butylbenzene	CBNZ d5	Ave	++++ 6089125	58001 7654597	147968 13343316	1749340	4092736	++++ 15.8	0.190 21.0	0.473 42.0	4.72	10.5
n-Undecane	CBNZ d5	Ave	++++ 2687552	++++ 3262105	++++ 5316813	901013	1912481	++++ 16.1	++++ 21.4	++++ 42.9	4.82	10.7
1,2-Dichlorobenzene	CBNZ d5	Ave	++++ 4092146	42583 5460637	100050 10569606	1003216	2548732	++++ 16.1	0.194 21.5	0.485 43.0	4.83	10.8
n-Dodecane	CBNZ d5	Ave	++++ 2432949	++++ 2940801	++++ 5472127	793531	1611366	++++ 16.0	++++ 21.3	++++ 42.6	4.78	10.6
1,2,4-Trichlorobenzene	CBNZ d5	Ave	++++ 3042922	++++ 4218484	41163 8880673	635893	1700494	++++ 16.5	++++ 22.0	0.495 43.9	4.93	11.0
Hexachlorobutadiene	CBNZ d5	Ave	++++ 3767759	37325 5073625	86260 9524348	940312	2329297	++++ 16.3	0.196 21.7	0.489 43.4	4.88	10.8
Naphthalene	CBNZ d5	Ave	++++ 6521808	++++ 8851625	92628 18123562	1510684	3669552	++++ 15.8	++++ 21.0	0.473 42.0	4.72	10.5
1,2,3-Trichlorobenzene	CBNZ d5	Ave	++++ 3036486	++++ 4159724	51908 8600502	713687	1740655	++++ 16.3	++++ 21.7	0.489 43.4	4.88	10.9

Curve Type Legend:

Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52059-1
 SDG No.: _____
 Lab Sample ID: ICV 200-149995/23 Calibration Date: 11/22/2019 11:15
 Instrument ID: CHC.i Calib Start Date: 11/21/2019 17:55
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/22/2019 09:59
 Lab File ID: 38912-23.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	0.6743	0.5893		8.74	10.0	-12.6	30.0
Dichlorodifluoromethane	Ave	1.820	1.746		9.59	10.0	-4.1	30.0
Freon 22	Ave	1.306	1.334		10.2	10.0	2.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.711	2.521		9.30	10.0	-7.0	30.0
Chloromethane	Ave	0.9175	0.9104		9.92	10.0	-0.8	30.0
n-Butane	Ave	1.212	1.206		9.95	10.0	-0.5	30.0
Vinyl chloride	Ave	1.057	0.8029		7.59	10.0	-24.1	30.0
1,3-Butadiene	Ave	0.7818	0.6275		8.02	10.0	-19.7	30.0
Bromomethane	Ave	0.8617	0.8642		10.0	10.0	0.3	30.0
Chloroethane	Ave	0.4321	0.4098		9.48	10.0	-5.2	30.0
Isopentane	Ave	0.8904	0.9333		10.5	10.0	4.8	30.0
Bromoethene (Vinyl Bromide)	Ave	0.8603	0.9322		10.8	10.0	8.4	30.0
Trichlorofluoromethane	Ave	1.990	2.113		10.6	10.0	6.2	30.0
n-Pentane	Ave	1.744	2.058		11.8	10.0	18.0	30.0
Ethanol	Ave	0.5205	0.5517		15.9	15.0	6.0	30.0
Ethyl ether	Ave	0.7668	0.7684		10.0	10.0	0.2	30.0
Acrolein	Ave	0.3449	0.3866		11.2	10.0	12.1	30.0
Freon TF	Ave	2.350	2.319		9.86	10.0	-1.3	30.0
1,1-Dichloroethene	Ave	1.254	1.146		9.14	10.0	-8.6	30.0
Acetone	Ave	1.436	1.543		10.7	10.0	7.4	30.0
Carbon disulfide	Ave	3.491	3.266		9.35	10.0	-6.4	30.0
Isopropyl alcohol	Ave	1.659	1.516		9.13	10.0	-8.7	30.0
3-Chloropropene	Ave	1.515	1.249		8.25	10.0	-17.5	30.0
Acetonitrile	Ave	0.9829	0.8243		8.38	10.0	-16.1	30.0
Methylene Chloride	Ave	1.414	1.398		9.88	10.0	-1.2	30.0
tert-Butyl alcohol	Ave	2.201	2.176		9.88	10.0	-1.2	30.0
Methyl tert-butyl ether	Ave	3.178	3.012		9.47	10.0	-5.2	30.0
trans-1,2-Dichloroethene	Ave	1.745	1.649		9.45	10.0	-5.5	30.0
Acrylonitrile	Ave	0.9188	0.8966		9.76	10.0	-2.4	30.0
n-Hexane	Ave	2.010	1.903		9.46	10.0	-5.3	30.0
1,1-Dichloroethane	Ave	2.351	2.115		9.00	10.0	-10.0	30.0
Vinyl acetate	Ave	2.869	2.801		9.76	10.0	-2.4	30.0
cis-1,2-Dichloroethene	Ave	1.488	1.352		9.09	10.0	-9.1	30.0
Methyl Ethyl Ketone	Ave	0.6601	0.6398		9.69	10.0	-3.1	30.0
Ethyl acetate	Ave	0.1122	0.1129		10.1	10.0	0.6	30.0
Tetrahydrofuran	Ave	0.2968	0.3084		10.4	10.0	3.9	30.0
Chloroform	Ave	2.412	2.336		9.68	10.0	-3.2	30.0
Cyclohexane	Ave	0.3550	0.3752		10.6	10.0	5.7	30.0
1,1,1-Trichloroethane	Ave	0.4410	0.4622		10.5	10.0	4.8	30.0
Carbon tetrachloride	Ave	0.4449	0.4628		10.4	10.0	4.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52059-1
 SDG No.: _____
 Lab Sample ID: ICV 200-149995/23 Calibration Date: 11/22/2019 11:15
 Instrument ID: CHC.i Calib Start Date: 11/21/2019 17:55
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/22/2019 09:59
 Lab File ID: 38912-23.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
Benzene	Ave	0.8824	0.9149		10.4	10.0	3.7	30.0
2,2,4-Trimethylpentane	Ave	1.356	1.458		10.8	10.0	7.5	30.0
1,2-Dichloroethane	Ave	0.2672	0.2861		10.7	10.0	7.1	30.0
n-Heptane	Ave	0.5132	0.4836		9.42	10.0	-5.8	30.0
n-Butanol	Ave	0.1698	0.1664		9.79	10.0	-2.0	30.0
Trichloroethene	Ave	0.3831	0.3703		9.66	10.0	-3.4	30.0
1,2-Dichloropropane	Ave	0.3604	0.3608		10.0	10.0	0.1	30.0
Methyl methacrylate	Ave	0.3199	0.3304		10.3	10.0	3.3	30.0
1,4-Dioxane	Ave	0.1713	0.1803		10.5	10.0	5.2	30.0
Dibromomethane	Ave	0.3907	0.3891		9.96	10.0	-0.4	30.0
Bromodichloromethane	Ave	0.5532	0.5676		10.3	10.0	2.6	30.0
cis-1,3-Dichloropropene	Ave	0.5341	0.5490		10.3	10.0	2.8	30.0
methyl isobutyl ketone	Ave	0.7184	0.7378		10.3	10.0	2.7	30.0
Toluene	Ave	0.7350	0.7311		9.94	10.0	-0.5	30.0
n-Octane	Ave	0.8100	0.8034		9.92	10.0	-0.8	30.0
trans-1,3-Dichloropropene	Ave	0.4467	0.4668		10.4	10.0	4.5	30.0
1,1,2-Trichloroethane	Ave	0.3504	0.3582		10.2	10.0	2.2	30.0
Tetrachloroethene	Ave	0.6611	0.6223		9.41	10.0	-5.9	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.7111	0.7411		10.4	10.0	4.2	30.0
Dibromochloromethane	Ave	0.6061	0.6514		10.7	10.0	7.5	30.0
1,2-Dibromoethane	Ave	0.6059	0.6275		10.4	10.0	3.6	30.0
Chlorobenzene	Ave	0.9531	0.9170		9.62	10.0	-3.8	30.0
Ethylbenzene	Ave	1.539	1.289		8.37	10.0	-16.2	30.0
n-Nonane	Ave	0.8100	0.7233		8.93	10.0	-10.7	30.0
m,p-Xylene	Ave	0.6108	0.5136		16.8	20.0	-15.9	30.0
Xylene, o-	Ave	0.5891	0.6050		10.3	10.0	2.7	30.0
Styrene	Ave	0.9317	0.9733		10.4	10.0	4.5	30.0
Bromoform	Ave	0.5587	0.6255		11.2	10.0	12.0	30.0
Cumene	Ave	1.703	1.727		10.1	10.0	1.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9117	0.9484		10.4	10.0	4.0	30.0
n-Propylbenzene	Ave	2.047	2.117		10.3	10.0	3.4	30.0
1,2,3-Trichloropropane	Ave	0.6827	0.7010		10.3	10.0	2.7	30.0
2-Chlorotoluene	Ave	1.358	1.391		10.2	10.0	2.4	30.0
4-Ethyltoluene	Ave	1.689	1.731		10.2	10.0	2.4	30.0
n-Decane	Ave	0.997	1.060		10.6	10.0	6.3	30.0
1,3,5-Trimethylbenzene	Ave	1.325	1.364		10.3	10.0	3.0	30.0
Alpha Methyl Styrene	Ave	0.7131	0.7547		10.6	10.0	5.8	30.0
tert-Butylbenzene	Ave	1.291	1.325		10.3	10.0	2.6	30.0
1,2,4-Trimethylbenzene	Ave	1.311	1.366		10.4	10.0	4.2	30.0
sec-Butylbenzene	Ave	2.005	2.129		10.6	10.0	6.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52059-1
 SDG No.: _____
 Lab Sample ID: ICV 200-149995/23 Calibration Date: 11/22/2019 11:15
 Instrument ID: CHC.i Calib Start Date: 11/21/2019 17:55
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/22/2019 09:59
 Lab File ID: 38912-23.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	1.714	1.789		10.4	10.0	4.4	30.0
1,3-Dichlorobenzene	Ave	1.010	1.014		10.0	10.0	0.4	30.0
1,4-Dichlorobenzene	Ave	0.9827	0.9936		10.1	10.0	1.1	30.0
Benzyl chloride	Ave	1.173	1.207		10.3	10.0	2.9	30.0
n-Butylbenzene	Ave	1.606	1.658		10.3	10.0	3.3	30.0
n-Undecane	Ave	1.047	1.118		10.7	10.0	6.8	30.0
1,2-Dichlorobenzene	Ave	0.9367	0.9397		10.0	10.0	0.3	30.0
n-Dodecane	Ave	0.8536	0.8169		9.57	10.0	-4.3	30.0
1,2,4-Trichlorobenzene	Ave	0.6609	0.5864		8.87	10.0	-11.3	30.0
Hexachlorobutadiene	Ave	0.6980	0.6959		9.97	10.0	-0.3	30.0
Naphthalene	Ave	1.289	0.9859		7.65	10.0	-23.5	30.0
1,2,3-Trichlorobenzene	Ave	0.4840	0.4158		8.59	10.0	-14.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52059-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-151200/2 Calibration Date: 01/06/2020 08:28
 Instrument ID: CHC.i Calib Start Date: 11/21/2019 17:55
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/22/2019 09:59
 Lab File ID: 39464-02.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	0.6743	1.155		17.1	10.0	71.4*	30.0
Dichlorodifluoromethane	Ave	1.820	2.212		12.9	10.6	21.6	30.0
Freon 22	Ave	1.306	1.829		14.8	10.6	40.0*	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.711	2.777		10.8	10.6	2.5	30.0
Chloromethane	Ave	0.9175	1.281		14.0	10.0	39.6*	30.0
n-Butane	Ave	1.212	2.087		17.2	10.0	72.2*	30.0
Vinyl chloride	Ave	1.057	1.285		12.1	10.0	21.5	30.0
1,3-Butadiene	Ave	0.7818	0.8990		11.5	10.0	15.0	30.0
Bromomethane	Ave	0.8617	0.9333		10.8	10.0	8.3	30.0
Chloroethane	Ave	0.4321	0.4523		11.1	10.6	4.7	30.0
Isopentane	Ave	0.8904	1.180		13.2	10.0	32.5*	30.0
Bromoethene (Vinyl Bromide)	Ave	0.8603	0.8645		10.0	10.0	0.5	30.0
Trichlorofluoromethane	Ave	1.990	2.350		11.8	10.0	18.1	30.0
n-Pentane	Ave	1.744	2.348		13.5	10.0	34.7*	30.0
Ethanol	Ave	0.5205	0.6471		18.7	15.0	24.3	30.0
Ethyl ether	Ave	0.7668	0.7897		10.3	10.0	3.0	30.0
Acrolein	Ave	0.3449	0.4175		12.1	10.0	21.1	30.0
Freon TF	Ave	2.350	2.138		9.71	10.7	-9.0	30.0
1,1-Dichloroethene	Ave	1.254	1.126		8.98	10.0	-10.2	30.0
Acetone	Ave	1.436	1.961		13.7	10.0	36.5*	30.0
Carbon disulfide	Ave	3.491	3.523		10.1	10.0	0.9	30.0
Isopropyl alcohol	Ave	1.659	2.187		13.2	10.0	31.8*	30.0
3-Chloropropene	Ave	1.515	1.528		10.8	10.7	0.9	30.0
Acetonitrile	Ave	0.9829	1.091		11.1	10.0	11.0	30.0
Methylene Chloride	Ave	1.414	1.585		11.2	10.0	12.0	30.0
tert-Butyl alcohol	Ave	2.201	2.358		11.6	10.8	7.1	30.0
Methyl tert-butyl ether	Ave	3.178	3.044		10.1	10.6	-4.2	30.0
trans-1,2-Dichloroethene	Ave	1.745	1.811		10.4	10.0	3.8	30.0
Acrylonitrile	Ave	0.9188	0.9336		10.2	10.0	1.6	30.0
n-Hexane	Ave	2.010	2.002		9.96	10.0	-0.4	30.0
1,1-Dichloroethane	Ave	2.351	2.348		9.99	10.0	-0.1	30.0
Vinyl acetate	Ave	2.869	3.446		12.0	10.0	20.1	30.0
cis-1,2-Dichloroethene	Ave	1.488	1.386		9.31	10.0	-6.8	30.0
Methyl Ethyl Ketone	Ave	0.6601	0.6804		10.3	10.0	3.1	30.0
Ethyl acetate	Ave	0.1122	0.1142		10.2	10.0	1.7	30.0
Tetrahydrofuran	Ave	0.2968	0.3183		10.7	10.0	7.2	30.0
Chloroform	Ave	2.412	2.658		11.0	10.0	10.2	30.0
Cyclohexane	Ave	0.3550	0.3312		9.33	10.0	-6.7	30.0
1,1,1-Trichloroethane	Ave	0.4410	0.4396		9.97	10.0	-0.3	30.0
Carbon tetrachloride	Ave	0.4449	0.4353		9.78	10.0	-2.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52059-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-151200/2 Calibration Date: 01/06/2020 08:28
 Instrument ID: CHC.i Calib Start Date: 11/21/2019 17:55
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/22/2019 09:59
 Lab File ID: 39464-02.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
Benzene	Ave	0.8824	0.8416		9.54	10.0	-4.6	30.0
2,2,4-Trimethylpentane	Ave	1.356	1.389		10.2	10.0	2.4	30.0
1,2-Dichloroethane	Ave	0.2672	0.2981		11.2	10.0	11.6	30.0
n-Heptane	Ave	0.5132	0.5810		11.3	10.0	13.2	30.0
n-Butanol	Ave	0.1698	0.2006		10.8	9.11	18.1	30.0
Trichloroethene	Ave	0.3831	0.3592		9.37	10.0	-6.2	30.0
1,2-Dichloropropane	Ave	0.3604	0.3700		10.3	10.0	2.7	30.0
Methyl methacrylate	Ave	0.3199	0.3337		10.4	10.0	4.3	30.0
1,4-Dioxane	Ave	0.1713	0.1982		11.6	10.0	15.7	30.0
Dibromomethane	Ave	0.3907	0.3641		9.31	10.0	-6.8	30.0
Bromodichloromethane	Ave	0.5532	0.5794		10.5	10.0	4.7	30.0
cis-1,3-Dichloropropene	Ave	0.5341	0.5593		10.5	10.0	4.7	30.0
methyl isobutyl ketone	Ave	0.7184	0.8100		11.3	10.0	12.8	30.0
Toluene	Ave	0.7350	0.6628		9.02	10.0	-9.8	30.0
n-Octane	Ave	0.8100	0.9032		11.1	10.0	11.5	30.0
trans-1,3-Dichloropropene	Ave	0.4467	0.4806		10.8	10.0	7.6	30.0
1,1,2-Trichloroethane	Ave	0.3504	0.3340		9.53	10.0	-4.7	30.0
Tetrachloroethene	Ave	0.6611	0.5393		8.16	10.0	-18.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.7111	0.7380		10.4	10.0	3.8	30.0
Dibromochloromethane	Ave	0.6061	0.5430		9.50	10.6	-10.4	30.0
1,2-Dibromoethane	Ave	0.6059	0.5369		9.44	10.7	-11.4	30.0
Chlorobenzene	Ave	0.9531	0.8355		9.20	10.5	-12.3	30.0
Ethylbenzene	Ave	1.539	1.432		9.30	10.0	-7.0	30.0
n-Nonane	Ave	0.8100	0.7795		9.62	10.0	-3.8	30.0
m,p-Xylene	Ave	0.6108	0.5452		17.8	20.0	-10.7	30.0
Xylene, o-	Ave	0.5891	0.5460		9.27	10.0	-7.3	30.0
Styrene	Ave	0.9317	0.8676		9.31	10.0	-6.9	30.0
Bromoform	Ave	0.5587	0.5398		9.66	10.0	-3.4	30.0
Cumene	Ave	1.703	1.556		9.13	10.0	-8.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9117	0.9002		9.87	10.0	-1.3	30.0
1,2,3-Trichloropropane	Ave	0.6827	0.6284		9.79	10.6	-8.0	30.0
n-Propylbenzene	Ave	2.047	1.942		9.49	10.0	-5.1	30.0
2-Chlorotoluene	Ave	1.358	1.267		9.33	10.0	-6.7	30.0
4-Ethyltoluene	Ave	1.689	1.545		9.14	10.0	-8.5	30.0
n-Decane	Ave	0.997	1.015		10.2	10.0	1.8	30.0
1,3,5-Trimethylbenzene	Ave	1.325	1.209		9.13	10.0	-8.7	30.0
Alpha Methyl Styrene	Ave	0.7131	0.6732		9.44	10.0	-5.6	30.0
tert-Butylbenzene	Ave	1.291	1.184		9.17	10.0	-8.3	30.0
1,2,4-Trimethylbenzene	Ave	1.311	1.226		9.35	10.0	-6.5	30.0
sec-Butylbenzene	Ave	2.005	1.914		9.54	10.0	-4.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52059-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-151200/2 Calibration Date: 01/06/2020 08:28
 Instrument ID: CHC.i Calib Start Date: 11/21/2019 17:55
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/22/2019 09:59
 Lab File ID: 39464-02.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	1.714	1.495		9.15	10.5	-12.8	30.0
1,3-Dichlorobenzene	Ave	1.010	0.8880		8.79	10.0	-12.1	30.0
1,4-Dichlorobenzene	Ave	0.9827	0.8788		8.94	10.0	-10.6	30.0
Benzyl chloride	Ave	1.173	1.071		9.13	10.0	-8.7	30.0
n-Butylbenzene	Ave	1.606	1.486		9.72	10.5	-7.5	30.0
n-Undecane	Ave	1.047	1.054		10.8	10.7	0.7	30.0
1,2-Dichlorobenzene	Ave	0.9367	0.7802		8.96	10.8	-16.7	30.0
n-Dodecane	Ave	0.8536	0.8635		10.8	10.6	1.2	30.0
1,2,4-Trichlorobenzene	Ave	0.6609	0.5373		8.92	11.0	-18.7	30.0
Hexachlorobutadiene	Ave	0.6980	0.5739		8.92	10.8	-17.8	30.0
Naphthalene	Ave	1.289	1.076		8.76	10.5	-16.5	30.0
1,2,3-Trichlorobenzene	Ave	0.4840	0.4125		9.25	10.9	-14.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52071-1
 SDG No.: _____
 Lab Sample ID: ICV 200-150142/18 Calibration Date: 11/26/2019 06:05
 Instrument ID: CHX.i Calib Start Date: 11/25/2019 18:28
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/26/2019 03:35
 Lab File ID: 38970-18.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	0.9345	0.9641		10.3	10.0	3.2	30.0
Dichlorodifluoromethane	Ave	3.828	4.118		10.8	10.0	7.6	30.0
Freon 22	Ave	2.072	2.203		10.6	10.0	6.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	4.263	4.594		10.8	10.0	7.8	30.0
Chloromethane	Ave	1.370	1.388		10.1	10.0	1.4	30.0
n-Butane	Ave	1.572	1.875		11.9	10.0	19.3	30.0
Vinyl chloride	Ave	1.361	1.501		11.0	10.0	10.3	30.0
1,3-Butadiene	Ave	0.7370	0.8188		11.1	10.0	11.1	30.0
Bromomethane	Ave	1.676	1.623		9.68	10.0	-3.1	30.0
Chloroethane	Ave	0.8438	0.9184		10.9	10.0	8.8	30.0
Isopentane	Ave	1.632	1.706		10.5	10.0	4.6	30.0
Bromoethene (Vinyl Bromide)	Ave	1.659	1.637		9.86	10.0	-1.4	30.0
Trichlorofluoromethane	Ave	4.456	4.494		10.1	10.0	0.8	30.0
n-Pentane	Ave	2.155	2.327		10.8	10.0	8.0	30.0
Ethanol	Ave	0.5055	0.5628		16.7	15.0	11.3	30.0
Ethyl ether	Ave	0.9202	0.9686		10.5	10.0	5.3	30.0
Acrolein	Ave	0.3777	0.4118		10.9	10.0	9.0	30.0
Freon TF	Ave	3.191	3.491		10.9	10.0	9.4	30.0
1,1-Dichloroethene	Ave	1.713	1.623		9.47	10.0	-5.3	30.0
Acetone	Ave	1.199	1.338		11.2	10.0	11.6	30.0
Carbon disulfide	Ave	3.391	3.607		10.6	10.0	6.4	30.0
Isopropyl alcohol	Ave	1.132	1.226		10.8	10.0	8.2	30.0
3-Chloropropene	Ave	0.9605	0.8650		9.00	10.0	-9.9	30.0
Acetonitrile	Ave	0.5085	0.5520		10.9	10.0	8.6	30.0
Methylene Chloride	Ave	1.018	1.071		10.5	10.0	5.1	30.0
tert-Butyl alcohol	Ave	1.898	2.187		11.5	10.0	15.3	30.0
Methyl tert-butyl ether	Ave	3.357	3.733		11.1	10.0	11.2	30.0
trans-1,2-Dichloroethene	Ave	1.593	1.633		10.3	10.0	2.5	30.0
Acrylonitrile	Ave	0.6069	0.6373		10.5	10.0	5.0	30.0
n-Hexane	Ave	1.464	1.540		10.5	10.0	5.2	30.0
1,1-Dichloroethane	Ave	2.076	2.008		9.67	10.0	-3.3	30.0
Vinyl acetate	Ave	1.630	1.735		10.6	10.0	6.4	30.0
cis-1,2-Dichloroethene	Ave	1.562	1.488		9.53	10.0	-4.7	30.0
Methyl Ethyl Ketone	Ave	0.5613	0.5982		10.7	10.0	6.6	30.0
Ethyl acetate	Ave	0.1128	0.1164		10.3	10.0	3.2	30.0
Tetrahydrofuran	Ave	0.1456	0.1564		10.7	10.0	7.4	30.0
Chloroform	Ave	2.895	2.964		10.2	10.0	2.4	30.0
Cyclohexane	Ave	0.3650	0.3850		10.5	10.0	5.5	30.0
1,1,1-Trichloroethane	Ave	0.6791	0.7181		10.6	10.0	5.7	30.0
Carbon tetrachloride	Ave	0.7884	0.8060		10.2	10.0	2.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52071-1
 SDG No.: _____
 Lab Sample ID: ICV 200-150142/18 Calibration Date: 11/26/2019 06:05
 Instrument ID: CHX.i Calib Start Date: 11/25/2019 18:28
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/26/2019 03:35
 Lab File ID: 38970-18.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	0.9490	1.013		10.7	10.0	6.8	30.0
Benzene	Ave	0.8195	0.8341		10.2	10.0	1.8	30.0
1,2-Dichloroethane	Ave	0.3673	0.3629		9.88	10.0	-1.2	30.0
n-Heptane	Ave	0.2623	0.2862		10.9	10.0	9.1	30.0
n-Butanol	Ave	0.1085	0.1041		9.59	10.0	-4.1	30.0
Trichloroethene	Ave	0.4339	0.4185		9.64	10.0	-3.5	30.0
1,2-Dichloropropane	Ave	0.2465	0.2551		10.3	10.0	3.5	30.0
Methyl methacrylate	Ave	0.2403	0.2613		10.9	10.0	8.7	30.0
1,4-Dioxane	Ave	0.1681	0.1820		10.8	10.0	8.3	30.0
Dibromomethane	Ave	0.4812	0.5014		10.4	10.0	4.2	30.0
Bromodichloromethane	Ave	0.6138	0.6597		10.7	10.0	7.5	30.0
cis-1,3-Dichloropropene	Ave	0.4452	0.4808		10.8	10.0	8.0	30.0
methyl isobutyl ketone	Ave	0.3366	0.3732		11.1	10.0	10.9	30.0
Toluene	Ave	0.6256	0.6690		10.7	10.0	6.9	30.0
n-Octane	Ave	0.3502	0.3826		10.9	10.0	9.3	30.0
trans-1,3-Dichloropropene	Ave	0.4645	0.5098		11.0	10.0	9.7	30.0
1,1,2-Trichloroethane	Ave	0.3306	0.3573		10.8	10.0	8.1	30.0
Tetrachloroethene	Ave	0.7933	0.7991		10.1	10.0	0.7	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3773	0.4472		11.9	10.0	18.5	30.0
Dibromochloromethane	Ave	0.7549	0.9181		12.2	10.0	21.6	30.0
1,2-Dibromoethane	Ave	0.6146	0.7210		11.7	10.0	17.3	30.0
Chlorobenzene	Ave	1.022	1.134		11.1	10.0	10.9	30.0
Ethylbenzene	Ave	1.567	1.742		11.1	10.0	11.2	30.0
n-Nonane	Ave	0.5524	0.6342		11.5	10.0	14.8	30.0
m,p-Xylene	Ave	0.6501	0.7255		22.3	20.0	11.6	30.0
Xylene, o-	Ave	0.6187	0.7014		11.3	10.0	13.4	30.0
Styrene	Ave	0.8815	1.070		12.1	10.0	21.4	30.0
Bromoform	Ave	0.7876	0.9721		12.3	10.0	23.4	30.0
Cumene	Ave	1.840	2.121		11.5	10.0	15.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8609	0.9634		11.2	10.0	11.9	30.0
n-Propylbenzene	Ave	2.084	2.415		11.6	10.0	15.9	30.0
1,2,3-Trichloropropane	Ave	0.6496	0.7781		12.0	10.0	19.8	30.0
n-Decane	Ave	0.6816	0.7765		11.4	10.0	13.9	30.0
4-Ethyltoluene	Ave	1.777	2.058		11.6	10.0	15.8	30.0
2-Chlorotoluene	Ave	1.493	1.673		11.2	10.0	12.0	30.0
1,3,5-Trimethylbenzene	Ave	1.593	1.812		11.4	10.0	13.7	30.0
Alpha Methyl Styrene	Ave	0.7212	0.9197		12.7	10.0	27.5	30.0
tert-Butylbenzene	Ave	1.607	1.816		11.3	10.0	13.0	30.0
1,2,4-Trimethylbenzene	Ave	1.572	1.796		11.4	10.0	14.2	30.0
sec-Butylbenzene	Ave	2.311	2.641		11.4	10.0	14.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52071-1
 SDG No.: _____
 Lab Sample ID: ICV 200-150142/18 Calibration Date: 11/26/2019 06:05
 Instrument ID: CHX.i Calib Start Date: 11/25/2019 18:28
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/26/2019 03:35
 Lab File ID: 38970-18.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	1.916	2.349		12.3	10.0	22.6	30.0
1,3-Dichlorobenzene	Ave	1.109	1.251		11.3	10.0	12.9	30.0
1,4-Dichlorobenzene	Ave	1.040	1.187		11.4	10.0	14.1	30.0
Benzyl chloride	Ave	1.117	1.398		12.5	10.0	25.2	30.0
n-Butylbenzene	Ave	1.576	1.949		12.4	10.0	23.7	30.0
n-Undecane	Ave	0.7114	0.8762		12.3	10.0	23.2	30.0
1,2-Dichlorobenzene	Ave	1.040	1.256		12.1	10.0	20.8	30.0
n-Dodecane	Ave	0.6457	0.7469		11.6	10.0	15.7	30.0
1,2,4-Trichlorobenzene	Ave	0.6871	0.8116		11.8	10.0	18.1	30.0
Hexachlorobutadiene	Ave	0.9341	1.152		12.3	10.0	23.3	30.0
Naphthalene	Ave	1.556	1.734		11.1	10.0	11.5	30.0
1,2,3-Trichlorobenzene	Ave	0.7232	0.8222		11.4	10.0	13.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52071-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-151371/3 Calibration Date: 01/13/2020 08:40
 Instrument ID: CHX.i Calib Start Date: 11/25/2019 18:28
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/26/2019 03:35
 Lab File ID: 39532-03.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	0.9345	1.423		15.2	10.0	52.3*	30.0
Dichlorodifluoromethane	Ave	3.828	5.752		15.9	10.6	50.3*	30.0
Freon 22	Ave	2.072	2.973		15.2	10.6	43.5*	30.0
1,2-Dichlorotetrafluoroethane	Ave	4.263	6.236		15.5	10.6	46.3*	30.0
Chloromethane	Ave	1.370	1.792		13.1	10.0	30.8*	30.0
n-Butane	Ave	1.572	1.733		11.0	10.0	10.2	30.0
Vinyl chloride	Ave	1.361	1.370		10.1	10.0	0.7	30.0
1,3-Butadiene	Ave	0.7370	0.7489		10.2	10.0	1.6	30.0
Bromomethane	Ave	1.676	2.205		13.2	10.0	31.6*	30.0
Chloroethane	Ave	0.8438	0.9532		11.9	10.6	13.0	30.0
Isopentane	Ave	1.632	1.680		10.3	10.0	3.0	30.0
Bromoethene (Vinyl Bromide)	Ave	1.659	2.026		12.2	10.0	22.1	30.0
Trichlorofluoromethane	Ave	4.456	6.066		13.6	10.0	36.1*	30.0
n-Pentane	Ave	2.155	2.160		10.0	10.0	0.2	30.0
Ethanol	Ave	0.5055	0.4707		14.0	15.0	-6.9	30.0
Ethyl ether	Ave	0.9202	0.9130		9.92	10.0	-0.8	30.0
Acrolein	Ave	0.3777	0.3220		8.52	10.0	-14.8	30.0
Freon TF	Ave	3.191	3.486		11.7	10.7	9.3	30.0
1,1-Dichloroethene	Ave	1.713	1.613		9.42	10.0	-5.8	30.0
Acetone	Ave	1.199	1.498		12.5	10.0	24.9	30.0
Carbon disulfide	Ave	3.391	3.436		10.1	10.0	1.3	30.0
Isopropyl alcohol	Ave	1.132	1.261		11.1	10.0	11.4	30.0
3-Chloropropene	Ave	0.9605	0.7495		8.37	10.7	-22.0	30.0
Acetonitrile	Ave	0.5085	0.4063		7.99	10.0	-20.1	30.0
Methylene Chloride	Ave	1.018	1.009		9.90	10.0	-0.9	30.0
tert-Butyl alcohol	Ave	1.898	1.900		10.8	10.8	0.1	30.0
Methyl tert-butyl ether	Ave	3.357	3.276		10.3	10.6	-2.4	30.0
trans-1,2-Dichloroethene	Ave	1.593	1.492		9.36	10.0	-6.4	30.0
Acrylonitrile	Ave	0.6069	0.5369		8.85	10.0	-11.5	30.0
n-Hexane	Ave	1.464	1.282		8.75	10.0	-12.5	30.0
1,1-Dichloroethane	Ave	2.076	1.800		8.67	10.0	-13.3	30.0
Vinyl acetate	Ave	1.630	1.605		9.84	10.0	-1.5	30.0
cis-1,2-Dichloroethene	Ave	1.562	1.319		8.45	10.0	-15.5	30.0
Methyl Ethyl Ketone	Ave	0.5613	0.5194		9.25	10.0	-7.5	30.0
Ethyl acetate	Ave	0.1128	0.1028		9.11	10.0	-8.8	30.0
Tetrahydrofuran	Ave	0.1456	0.1420		9.75	10.0	-2.5	30.0
Chloroform	Ave	2.895	2.891		9.98	10.0	-0.1	30.0
Cyclohexane	Ave	0.3650	0.3297		9.03	10.0	-9.7	30.0
1,1,1-Trichloroethane	Ave	0.6791	0.7687		11.3	10.0	13.2	30.0
Carbon tetrachloride	Ave	0.7884	0.9140		11.6	10.0	15.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52071-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-151371/3 Calibration Date: 01/13/2020 08:40
 Instrument ID: CHX.i Calib Start Date: 11/25/2019 18:28
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/26/2019 03:35
 Lab File ID: 39532-03.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	0.9490	0.8652		9.12	10.0	-8.8	30.0
Benzene	Ave	0.8195	0.7285		8.89	10.0	-11.1	30.0
1,2-Dichloroethane	Ave	0.3673	0.3889		10.6	10.0	5.9	30.0
n-Heptane	Ave	0.2623	0.2611		9.95	10.0	-0.5	30.0
n-Butanol	Ave	0.1085	0.0928		7.79	9.11	-14.5	30.0
Trichloroethene	Ave	0.4339	0.3987		9.19	10.0	-8.1	30.0
1,2-Dichloropropane	Ave	0.2465	0.2182		8.85	10.0	-11.5	30.0
Methyl methacrylate	Ave	0.2403	0.2296		9.55	10.0	-4.4	30.0
1,4-Dioxane	Ave	0.1681	0.1553		9.24	10.0	-7.6	30.0
Dibromomethane	Ave	0.4812	0.5337		11.1	10.0	10.9	30.0
Bromodichloromethane	Ave	0.6138	0.6576		10.7	10.0	7.1	30.0
cis-1,3-Dichloropropene	Ave	0.4452	0.4320		9.70	10.0	-3.0	30.0
methyl isobutyl ketone	Ave	0.3366	0.3570		10.6	10.0	6.0	30.0
Toluene	Ave	0.6256	0.5495		8.78	10.0	-12.2	30.0
n-Octane	Ave	0.3502	0.3591		10.3	10.0	2.5	30.0
trans-1,3-Dichloropropene	Ave	0.4645	0.4855		10.4	10.0	4.5	30.0
1,1,2-Trichloroethane	Ave	0.3306	0.2958		8.95	10.0	-10.5	30.0
Tetrachloroethene	Ave	0.7933	0.8016		10.1	10.0	1.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3773	0.3870		10.3	10.0	2.6	30.0
Dibromochloromethane	Ave	0.7549	0.8505		11.9	10.6	12.7	30.0
1,2-Dibromoethane	Ave	0.6146	0.6209		10.8	10.7	1.0	30.0
Chlorobenzene	Ave	1.022	0.9740		10.0	10.5	-4.7	30.0
Ethylbenzene	Ave	1.567	1.546		9.86	10.0	-1.3	30.0
n-Nonane	Ave	0.5524	0.5082		9.20	10.0	-8.0	30.0
m,p-Xylene	Ave	0.6501	0.6337		19.5	20.0	-2.5	30.0
Xylene, o-	Ave	0.6187	0.6087		9.84	10.0	-1.6	30.0
Styrene	Ave	0.8815	0.9368		10.6	10.0	6.3	30.0
Bromoform	Ave	0.7876	0.9918		12.6	10.0	25.9	30.0
Cumene	Ave	1.840	1.925		10.5	10.0	4.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8609	0.8076		9.38	10.0	-6.2	30.0
n-Propylbenzene	Ave	2.084	2.173		10.4	10.0	4.3	30.0
1,2,3-Trichloropropane	Ave	0.6496	0.6451		10.6	10.6	-0.7	30.0
n-Decane	Ave	0.6816	0.6404		9.39	10.0	-6.1	30.0
4-Ethyltoluene	Ave	1.777	1.865		10.5	10.0	5.0	30.0
2-Chlorotoluene	Ave	1.493	1.555		10.4	10.0	4.2	30.0
1,3,5-Trimethylbenzene	Ave	1.593	1.700		10.7	10.0	6.7	30.0
Alpha Methyl Styrene	Ave	0.7212	0.8305		11.5	10.0	15.2	30.0
tert-Butylbenzene	Ave	1.607	1.716		10.7	10.0	6.8	30.0
1,2,4-Trimethylbenzene	Ave	1.572	1.670		10.6	10.0	6.2	30.0
sec-Butylbenzene	Ave	2.311	2.379		10.3	10.0	2.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52071-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-151371/3 Calibration Date: 01/13/2020 08:40
 Instrument ID: CHX.i Calib Start Date: 11/25/2019 18:28
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/26/2019 03:35
 Lab File ID: 39532-03.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	1.916	2.092		11.5	10.5	9.1	30.0
1,3-Dichlorobenzene	Ave	1.109	1.228		11.1	10.0	10.7	30.0
1,4-Dichlorobenzene	Ave	1.040	1.181		11.4	10.0	13.6	30.0
Benzyl chloride	Ave	1.117	1.242		11.1	10.0	11.2	30.0
n-Butylbenzene	Ave	1.576	1.656		11.0	10.5	5.1	30.0
n-Undecane	Ave	0.7114	0.6564		9.89	10.7	-7.7	30.0
1,2-Dichlorobenzene	Ave	1.040	1.158		12.0	10.8	11.4	30.0
n-Dodecane	Ave	0.6457	0.5024		8.28	10.6	-22.2	30.0
1,2,4-Trichlorobenzene	Ave	0.6871	0.8055		12.9	11.0	17.2	30.0
Hexachlorobutadiene	Ave	0.9341	1.240		14.4	10.8	32.8*	30.0
Naphthalene	Ave	1.556	1.571		10.6	10.5	1.0	30.0
1,2,3-Trichlorobenzene	Ave	0.7232	0.8235		12.4	10.9	13.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52091-1
 SDG No.: _____
 Lab Sample ID: ICV 200-150142/18 Calibration Date: 11/26/2019 06:05
 Instrument ID: CHX.i Calib Start Date: 11/25/2019 18:28
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/26/2019 03:35
 Lab File ID: 38970-18.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	0.9345	0.9641		10.3	10.0	3.2	30.0
Dichlorodifluoromethane	Ave	3.828	4.118		10.8	10.0	7.6	30.0
Freon 22	Ave	2.072	2.203		10.6	10.0	6.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	4.263	4.594		10.8	10.0	7.8	30.0
Chloromethane	Ave	1.370	1.388		10.1	10.0	1.4	30.0
n-Butane	Ave	1.572	1.875		11.9	10.0	19.3	30.0
Vinyl chloride	Ave	1.361	1.501		11.0	10.0	10.3	30.0
1,3-Butadiene	Ave	0.7370	0.8188		11.1	10.0	11.1	30.0
Bromomethane	Ave	1.676	1.623		9.68	10.0	-3.1	30.0
Chloroethane	Ave	0.8438	0.9184		10.9	10.0	8.8	30.0
Isopentane	Ave	1.632	1.706		10.5	10.0	4.6	30.0
Bromoethene (Vinyl Bromide)	Ave	1.659	1.637		9.86	10.0	-1.4	30.0
Trichlorofluoromethane	Ave	4.456	4.494		10.1	10.0	0.8	30.0
n-Pentane	Ave	2.155	2.327		10.8	10.0	8.0	30.0
Ethanol	Ave	0.5055	0.5628		16.7	15.0	11.3	30.0
Ethyl ether	Ave	0.9202	0.9686		10.5	10.0	5.3	30.0
Acrolein	Ave	0.3777	0.4118		10.9	10.0	9.0	30.0
Freon TF	Ave	3.191	3.491		10.9	10.0	9.4	30.0
1,1-Dichloroethene	Ave	1.713	1.623		9.47	10.0	-5.3	30.0
Acetone	Ave	1.199	1.338		11.2	10.0	11.6	30.0
Carbon disulfide	Ave	3.391	3.607		10.6	10.0	6.4	30.0
Isopropyl alcohol	Ave	1.132	1.226		10.8	10.0	8.2	30.0
3-Chloropropene	Ave	0.9605	0.8650		9.00	10.0	-9.9	30.0
Acetonitrile	Ave	0.5085	0.5520		10.9	10.0	8.6	30.0
Methylene Chloride	Ave	1.018	1.071		10.5	10.0	5.1	30.0
tert-Butyl alcohol	Ave	1.898	2.187		11.5	10.0	15.3	30.0
Methyl tert-butyl ether	Ave	3.357	3.733		11.1	10.0	11.2	30.0
trans-1,2-Dichloroethene	Ave	1.593	1.633		10.3	10.0	2.5	30.0
Acrylonitrile	Ave	0.6069	0.6373		10.5	10.0	5.0	30.0
n-Hexane	Ave	1.464	1.540		10.5	10.0	5.2	30.0
1,1-Dichloroethane	Ave	2.076	2.008		9.67	10.0	-3.3	30.0
Vinyl acetate	Ave	1.630	1.735		10.6	10.0	6.4	30.0
cis-1,2-Dichloroethene	Ave	1.562	1.488		9.53	10.0	-4.7	30.0
Methyl Ethyl Ketone	Ave	0.5613	0.5982		10.7	10.0	6.6	30.0
Ethyl acetate	Ave	0.1128	0.1164		10.3	10.0	3.2	30.0
Tetrahydrofuran	Ave	0.1456	0.1564		10.7	10.0	7.4	30.0
Chloroform	Ave	2.895	2.964		10.2	10.0	2.4	30.0
Cyclohexane	Ave	0.3650	0.3850		10.5	10.0	5.5	30.0
1,1,1-Trichloroethane	Ave	0.6791	0.7181		10.6	10.0	5.7	30.0
Carbon tetrachloride	Ave	0.7884	0.8060		10.2	10.0	2.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52091-1
 SDG No.: _____
 Lab Sample ID: ICV 200-150142/18 Calibration Date: 11/26/2019 06:05
 Instrument ID: CHX.i Calib Start Date: 11/25/2019 18:28
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/26/2019 03:35
 Lab File ID: 38970-18.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	0.9490	1.013		10.7	10.0	6.8	30.0
Benzene	Ave	0.8195	0.8341		10.2	10.0	1.8	30.0
1,2-Dichloroethane	Ave	0.3673	0.3629		9.88	10.0	-1.2	30.0
n-Heptane	Ave	0.2623	0.2862		10.9	10.0	9.1	30.0
n-Butanol	Ave	0.1085	0.1041		9.59	10.0	-4.1	30.0
Trichloroethene	Ave	0.4339	0.4185		9.64	10.0	-3.5	30.0
1,2-Dichloropropane	Ave	0.2465	0.2551		10.3	10.0	3.5	30.0
Methyl methacrylate	Ave	0.2403	0.2613		10.9	10.0	8.7	30.0
1,4-Dioxane	Ave	0.1681	0.1820		10.8	10.0	8.3	30.0
Dibromomethane	Ave	0.4812	0.5014		10.4	10.0	4.2	30.0
Bromodichloromethane	Ave	0.6138	0.6597		10.7	10.0	7.5	30.0
cis-1,3-Dichloropropene	Ave	0.4452	0.4808		10.8	10.0	8.0	30.0
methyl isobutyl ketone	Ave	0.3366	0.3732		11.1	10.0	10.9	30.0
Toluene	Ave	0.6256	0.6690		10.7	10.0	6.9	30.0
n-Octane	Ave	0.3502	0.3826		10.9	10.0	9.3	30.0
trans-1,3-Dichloropropene	Ave	0.4645	0.5098		11.0	10.0	9.7	30.0
1,1,2-Trichloroethane	Ave	0.3306	0.3573		10.8	10.0	8.1	30.0
Tetrachloroethene	Ave	0.7933	0.7991		10.1	10.0	0.7	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3773	0.4472		11.9	10.0	18.5	30.0
Dibromochloromethane	Ave	0.7549	0.9181		12.2	10.0	21.6	30.0
1,2-Dibromoethane	Ave	0.6146	0.7210		11.7	10.0	17.3	30.0
Chlorobenzene	Ave	1.022	1.134		11.1	10.0	10.9	30.0
Ethylbenzene	Ave	1.567	1.742		11.1	10.0	11.2	30.0
n-Nonane	Ave	0.5524	0.6342		11.5	10.0	14.8	30.0
m,p-Xylene	Ave	0.6501	0.7255		22.3	20.0	11.6	30.0
Xylene, o-	Ave	0.6187	0.7014		11.3	10.0	13.4	30.0
Styrene	Ave	0.8815	1.070		12.1	10.0	21.4	30.0
Bromoform	Ave	0.7876	0.9721		12.3	10.0	23.4	30.0
Cumene	Ave	1.840	2.121		11.5	10.0	15.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8609	0.9634		11.2	10.0	11.9	30.0
n-Propylbenzene	Ave	2.084	2.415		11.6	10.0	15.9	30.0
1,2,3-Trichloropropane	Ave	0.6496	0.7781		12.0	10.0	19.8	30.0
n-Decane	Ave	0.6816	0.7765		11.4	10.0	13.9	30.0
4-Ethyltoluene	Ave	1.777	2.058		11.6	10.0	15.8	30.0
2-Chlorotoluene	Ave	1.493	1.673		11.2	10.0	12.0	30.0
1,3,5-Trimethylbenzene	Ave	1.593	1.812		11.4	10.0	13.7	30.0
Alpha Methyl Styrene	Ave	0.7212	0.9197		12.7	10.0	27.5	30.0
tert-Butylbenzene	Ave	1.607	1.816		11.3	10.0	13.0	30.0
1,2,4-Trimethylbenzene	Ave	1.572	1.796		11.4	10.0	14.2	30.0
sec-Butylbenzene	Ave	2.311	2.641		11.4	10.0	14.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52091-1
 SDG No.: _____
 Lab Sample ID: ICV 200-150142/18 Calibration Date: 11/26/2019 06:05
 Instrument ID: CHX.i Calib Start Date: 11/25/2019 18:28
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/26/2019 03:35
 Lab File ID: 38970-18.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	1.916	2.349		12.3	10.0	22.6	30.0
1,3-Dichlorobenzene	Ave	1.109	1.251		11.3	10.0	12.9	30.0
1,4-Dichlorobenzene	Ave	1.040	1.187		11.4	10.0	14.1	30.0
Benzyl chloride	Ave	1.117	1.398		12.5	10.0	25.2	30.0
n-Butylbenzene	Ave	1.576	1.949		12.4	10.0	23.7	30.0
n-Undecane	Ave	0.7114	0.8762		12.3	10.0	23.2	30.0
1,2-Dichlorobenzene	Ave	1.040	1.256		12.1	10.0	20.8	30.0
n-Dodecane	Ave	0.6457	0.7469		11.6	10.0	15.7	30.0
1,2,4-Trichlorobenzene	Ave	0.6871	0.8116		11.8	10.0	18.1	30.0
Hexachlorobutadiene	Ave	0.9341	1.152		12.3	10.0	23.3	30.0
Naphthalene	Ave	1.556	1.734		11.1	10.0	11.5	30.0
1,2,3-Trichlorobenzene	Ave	0.7232	0.8222		11.4	10.0	13.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52091-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-151371/3 Calibration Date: 01/13/2020 08:40
 Instrument ID: CHX.i Calib Start Date: 11/25/2019 18:28
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/26/2019 03:35
 Lab File ID: 39532-03.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	0.9345	1.423		15.2	10.0	52.3*	30.0
Dichlorodifluoromethane	Ave	3.828	5.752		15.9	10.6	50.3*	30.0
Freon 22	Ave	2.072	2.973		15.2	10.6	43.5*	30.0
1,2-Dichlorotetrafluoroethane	Ave	4.263	6.236		15.5	10.6	46.3*	30.0
Chloromethane	Ave	1.370	1.792		13.1	10.0	30.8*	30.0
n-Butane	Ave	1.572	1.733		11.0	10.0	10.2	30.0
Vinyl chloride	Ave	1.361	1.370		10.1	10.0	0.7	30.0
1,3-Butadiene	Ave	0.7370	0.7489		10.2	10.0	1.6	30.0
Bromomethane	Ave	1.676	2.205		13.2	10.0	31.6*	30.0
Chloroethane	Ave	0.8438	0.9532		11.9	10.6	13.0	30.0
Isopentane	Ave	1.632	1.680		10.3	10.0	3.0	30.0
Bromoethene (Vinyl Bromide)	Ave	1.659	2.026		12.2	10.0	22.1	30.0
Trichlorofluoromethane	Ave	4.456	6.066		13.6	10.0	36.1*	30.0
n-Pentane	Ave	2.155	2.160		10.0	10.0	0.2	30.0
Ethanol	Ave	0.5055	0.4707		14.0	15.0	-6.9	30.0
Ethyl ether	Ave	0.9202	0.9130		9.92	10.0	-0.8	30.0
Acrolein	Ave	0.3777	0.3220		8.52	10.0	-14.8	30.0
Freon TF	Ave	3.191	3.486		11.7	10.7	9.3	30.0
1,1-Dichloroethene	Ave	1.713	1.613		9.42	10.0	-5.8	30.0
Acetone	Ave	1.199	1.498		12.5	10.0	24.9	30.0
Carbon disulfide	Ave	3.391	3.436		10.1	10.0	1.3	30.0
Isopropyl alcohol	Ave	1.132	1.261		11.1	10.0	11.4	30.0
3-Chloropropene	Ave	0.9605	0.7495		8.37	10.7	-22.0	30.0
Acetonitrile	Ave	0.5085	0.4063		7.99	10.0	-20.1	30.0
Methylene Chloride	Ave	1.018	1.009		9.90	10.0	-0.9	30.0
tert-Butyl alcohol	Ave	1.898	1.900		10.8	10.8	0.1	30.0
Methyl tert-butyl ether	Ave	3.357	3.276		10.3	10.6	-2.4	30.0
trans-1,2-Dichloroethene	Ave	1.593	1.492		9.36	10.0	-6.4	30.0
Acrylonitrile	Ave	0.6069	0.5369		8.85	10.0	-11.5	30.0
n-Hexane	Ave	1.464	1.282		8.75	10.0	-12.5	30.0
1,1-Dichloroethane	Ave	2.076	1.800		8.67	10.0	-13.3	30.0
Vinyl acetate	Ave	1.630	1.605		9.84	10.0	-1.5	30.0
cis-1,2-Dichloroethene	Ave	1.562	1.319		8.45	10.0	-15.5	30.0
Methyl Ethyl Ketone	Ave	0.5613	0.5194		9.25	10.0	-7.5	30.0
Ethyl acetate	Ave	0.1128	0.1028		9.11	10.0	-8.8	30.0
Tetrahydrofuran	Ave	0.1456	0.1420		9.75	10.0	-2.5	30.0
Chloroform	Ave	2.895	2.891		9.98	10.0	-0.1	30.0
Cyclohexane	Ave	0.3650	0.3297		9.03	10.0	-9.7	30.0
1,1,1-Trichloroethane	Ave	0.6791	0.7687		11.3	10.0	13.2	30.0
Carbon tetrachloride	Ave	0.7884	0.9140		11.6	10.0	15.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52091-1

SDG No.: _____

Lab Sample ID: CCVIS 200-151371/3 Calibration Date: 01/13/2020 08:40

Instrument ID: CHX.i Calib Start Date: 11/25/2019 18:28

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/26/2019 03:35

Lab File ID: 39532-03.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	0.9490	0.8652		9.12	10.0	-8.8	30.0
Benzene	Ave	0.8195	0.7285		8.89	10.0	-11.1	30.0
1,2-Dichloroethane	Ave	0.3673	0.3889		10.6	10.0	5.9	30.0
n-Heptane	Ave	0.2623	0.2611		9.95	10.0	-0.5	30.0
n-Butanol	Ave	0.1085	0.0928		7.79	9.11	-14.5	30.0
Trichloroethene	Ave	0.4339	0.3987		9.19	10.0	-8.1	30.0
1,2-Dichloropropane	Ave	0.2465	0.2182		8.85	10.0	-11.5	30.0
Methyl methacrylate	Ave	0.2403	0.2296		9.55	10.0	-4.4	30.0
1,4-Dioxane	Ave	0.1681	0.1553		9.24	10.0	-7.6	30.0
Dibromomethane	Ave	0.4812	0.5337		11.1	10.0	10.9	30.0
Bromodichloromethane	Ave	0.6138	0.6576		10.7	10.0	7.1	30.0
cis-1,3-Dichloropropene	Ave	0.4452	0.4320		9.70	10.0	-3.0	30.0
methyl isobutyl ketone	Ave	0.3366	0.3570		10.6	10.0	6.0	30.0
Toluene	Ave	0.6256	0.5495		8.78	10.0	-12.2	30.0
n-Octane	Ave	0.3502	0.3591		10.3	10.0	2.5	30.0
trans-1,3-Dichloropropene	Ave	0.4645	0.4855		10.4	10.0	4.5	30.0
1,1,2-Trichloroethane	Ave	0.3306	0.2958		8.95	10.0	-10.5	30.0
Tetrachloroethene	Ave	0.7933	0.8016		10.1	10.0	1.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3773	0.3870		10.3	10.0	2.6	30.0
Dibromochloromethane	Ave	0.7549	0.8505		11.9	10.6	12.7	30.0
1,2-Dibromoethane	Ave	0.6146	0.6209		10.8	10.7	1.0	30.0
Chlorobenzene	Ave	1.022	0.9740		10.0	10.5	-4.7	30.0
Ethylbenzene	Ave	1.567	1.546		9.86	10.0	-1.3	30.0
n-Nonane	Ave	0.5524	0.5082		9.20	10.0	-8.0	30.0
m,p-Xylene	Ave	0.6501	0.6337		19.5	20.0	-2.5	30.0
Xylene, o-	Ave	0.6187	0.6087		9.84	10.0	-1.6	30.0
Styrene	Ave	0.8815	0.9368		10.6	10.0	6.3	30.0
Bromoform	Ave	0.7876	0.9918		12.6	10.0	25.9	30.0
Cumene	Ave	1.840	1.925		10.5	10.0	4.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8609	0.8076		9.38	10.0	-6.2	30.0
n-Propylbenzene	Ave	2.084	2.173		10.4	10.0	4.3	30.0
1,2,3-Trichloropropane	Ave	0.6496	0.6451		10.6	10.6	-0.7	30.0
n-Decane	Ave	0.6816	0.6404		9.39	10.0	-6.1	30.0
4-Ethyltoluene	Ave	1.777	1.865		10.5	10.0	5.0	30.0
2-Chlorotoluene	Ave	1.493	1.555		10.4	10.0	4.2	30.0
1,3,5-Trimethylbenzene	Ave	1.593	1.700		10.7	10.0	6.7	30.0
Alpha Methyl Styrene	Ave	0.7212	0.8305		11.5	10.0	15.2	30.0
tert-Butylbenzene	Ave	1.607	1.716		10.7	10.0	6.8	30.0
1,2,4-Trimethylbenzene	Ave	1.572	1.670		10.6	10.0	6.2	30.0
sec-Butylbenzene	Ave	2.311	2.379		10.3	10.0	2.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52091-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-151371/3 Calibration Date: 01/13/2020 08:40
 Instrument ID: CHX.i Calib Start Date: 11/25/2019 18:28
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/26/2019 03:35
 Lab File ID: 39532-03.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	1.916	2.092		11.5	10.5	9.1	30.0
1,3-Dichlorobenzene	Ave	1.109	1.228		11.1	10.0	10.7	30.0
1,4-Dichlorobenzene	Ave	1.040	1.181		11.4	10.0	13.6	30.0
Benzyl chloride	Ave	1.117	1.242		11.1	10.0	11.2	30.0
n-Butylbenzene	Ave	1.576	1.656		11.0	10.5	5.1	30.0
n-Undecane	Ave	0.7114	0.6564		9.89	10.7	-7.7	30.0
1,2-Dichlorobenzene	Ave	1.040	1.158		12.0	10.8	11.4	30.0
n-Dodecane	Ave	0.6457	0.5024		8.28	10.6	-22.2	30.0
1,2,4-Trichlorobenzene	Ave	0.6871	0.8055		12.9	11.0	17.2	30.0
Hexachlorobutadiene	Ave	0.9341	1.240		14.4	10.8	32.8*	30.0
Naphthalene	Ave	1.556	1.571		10.6	10.5	1.0	30.0
1,2,3-Trichlorobenzene	Ave	0.7232	0.8235		12.4	10.9	13.9	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52059-1

SDG No.: _____

Instrument ID: CHC.i Start Date: 11/21/2019 15:18Analysis Batch Number: 149995 End Date: 11/22/2019 11:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-149995/1		11/21/2019 15:18	1	38912-01.D	RTX-624 0.32 (mm)
IC 200-149995/4		11/21/2019 17:55	1	38912-04.D	RTX-624 0.32 (mm)
IC 200-149995/5		11/21/2019 18:49	1	38912-05.D	RTX-624 0.32 (mm)
IC 200-149995/7		11/21/2019 20:35	1	38912-07.D	RTX-624 0.32 (mm)
ICIS 200-149995/8		11/21/2019 21:28	1	38912-08.D	RTX-624 0.32 (mm)
IC 200-149995/9		11/21/2019 22:22	1	38912-09.D	RTX-624 0.32 (mm)
IC 200-149995/13		11/22/2019 01:56	1	38912-13.D	RTX-624 0.32 (mm)
IC 200-149995/14		11/22/2019 02:50	1	38912-14.D	RTX-624 0.32 (mm)
IC 200-149995/22		11/22/2019 09:59	1	38912-22.D	RTX-624 0.32 (mm)
ICV 200-149995/23		11/22/2019 11:15	1	38912-23.D	RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52059-1

SDG No.: _____

Instrument ID: CHC.i Start Date: 01/06/2020 07:11Analysis Batch Number: 151200 End Date: 01/07/2020 02:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-151200/1		01/06/2020 07:11	1	39464-01.D	RTX-624 0.32 (mm)
CCVIS 200-151200/2		01/06/2020 08:28	1	39464-02.D	RTX-624 0.32 (mm)
ZZZZZ		01/06/2020 09:22	1		RTX-624 0.32 (mm)
LCS 200-151200/4		01/06/2020 10:16	1	39464-04.D	RTX-624 0.32 (mm)
MB 200-151200/5		01/06/2020 11:09	1	39464-05.D	RTX-624 0.32 (mm)
ZZZZZ		01/06/2020 12:03	1		RTX-624 0.32 (mm)
ZZZZZ		01/06/2020 12:57	1		RTX-624 0.32 (mm)
ZZZZZ		01/06/2020 13:51	1		RTX-624 0.32 (mm)
ZZZZZ		01/06/2020 14:44	1		RTX-624 0.32 (mm)
ZZZZZ		01/06/2020 15:37	1		RTX-624 0.32 (mm)
ZZZZZ		01/06/2020 16:31	1		RTX-624 0.32 (mm)
ZZZZZ		01/06/2020 17:24	1		RTX-624 0.32 (mm)
ZZZZZ		01/06/2020 18:18	1		RTX-624 0.32 (mm)
ZZZZZ		01/06/2020 19:11	1		RTX-624 0.32 (mm)
ZZZZZ		01/06/2020 20:05	1		RTX-624 0.32 (mm)
ZZZZZ		01/06/2020 20:58	1		RTX-624 0.32 (mm)
ZZZZZ		01/06/2020 21:58	0.2		RTX-624 0.32 (mm)
ZZZZZ		01/06/2020 22:57	0.2		RTX-624 0.32 (mm)
ZZZZZ		01/06/2020 23:56	0.2		RTX-624 0.32 (mm)
ZZZZZ		01/07/2020 00:55	0.2		RTX-624 0.32 (mm)
ZZZZZ		01/07/2020 01:54	0.2		RTX-624 0.32 (mm)
200-52059-6		01/07/2020 02:52	0.2	39464-22.D	RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52071-1

SDG No.: _____

Instrument ID: CHX.i Start Date: 11/25/2019 16:00Analysis Batch Number: 150142 End Date: 11/26/2019 06:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-150142/1		11/25/2019 16:00	1	38970-01.D	RTX-624 0.32 (mm)
IC 200-150142/4		11/25/2019 18:28	1	38970-04.D	RTX-624 0.32 (mm)
ICIS 200-150142/5		11/25/2019 19:18	1	38970-05.D	RTX-624 0.32 (mm)
IC 200-150142/6		11/25/2019 20:08	1	38970-06.D	RTX-624 0.32 (mm)
IC 200-150142/9		11/25/2019 22:37	1	38970-09.D	RTX-624 0.32 (mm)
IC 200-150142/10		11/25/2019 23:26	1	38970-10.D	RTX-624 0.32 (mm)
IC 200-150142/13		11/26/2019 01:56	1	38970-13.D	RTX-624 0.32 (mm)
IC 200-150142/14		11/26/2019 02:46	1	38970-14.D	RTX-624 0.32 (mm)
IC 200-150142/15		11/26/2019 03:35	1	38970-15.D	RTX-624 0.32 (mm)
ICV 200-150142/18		11/26/2019 06:05	1	38970-18.D	RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52071-1

SDG No.: _____

Instrument ID: CHX.i Start Date: 01/13/2020 06:48Analysis Batch Number: 151371 End Date: 01/14/2020 03:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-151371/1		01/13/2020 06:48	1	39532-01.D	RTX-624 0.32 (mm)
CCVIS 200-151371/3		01/13/2020 08:40	1	39532-03.D	RTX-624 0.32 (mm)
MB 200-151371/5		01/13/2020 10:19	1	39532-05.D	RTX-624 0.32 (mm)
LCS 200-151371/6		01/13/2020 11:09	1	39532-06.D	RTX-624 0.32 (mm)
ZZZZZ		01/13/2020 11:58	1		RTX-624 0.32 (mm)
ZZZZZ		01/13/2020 14:29	1		RTX-624 0.32 (mm)
ZZZZZ		01/13/2020 15:19	1		RTX-624 0.32 (mm)
ZZZZZ		01/13/2020 16:09	1		RTX-624 0.32 (mm)
ZZZZZ		01/13/2020 17:06	0.2		RTX-624 0.32 (mm)
ZZZZZ		01/13/2020 18:04	0.2		RTX-624 0.32 (mm)
200-52071-7		01/13/2020 19:02	0.2	39532-14.D	RTX-624 0.32 (mm)
ZZZZZ		01/13/2020 20:00	0.2		RTX-624 0.32 (mm)
ZZZZZ		01/13/2020 20:58	0.2		RTX-624 0.32 (mm)
ZZZZZ		01/13/2020 21:56	0.2		RTX-624 0.32 (mm)
ZZZZZ		01/13/2020 22:53	0.2		RTX-624 0.32 (mm)
ZZZZZ		01/13/2020 23:51	0.2		RTX-624 0.32 (mm)
ZZZZZ		01/14/2020 00:50	0.2		RTX-624 0.32 (mm)
ZZZZZ		01/14/2020 01:48	0.2		RTX-624 0.32 (mm)
ZZZZZ		01/14/2020 02:38	1		RTX-624 0.32 (mm)
ZZZZZ		01/14/2020 03:29	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52091-1

SDG No.: _____

Instrument ID: CHX.i Start Date: 11/25/2019 16:00Analysis Batch Number: 150142 End Date: 11/26/2019 06:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-150142/1		11/25/2019 16:00	1	38970-01.D	RTX-624 0.32 (mm)
IC 200-150142/4		11/25/2019 18:28	1	38970-04.D	RTX-624 0.32 (mm)
ICIS 200-150142/5		11/25/2019 19:18	1	38970-05.D	RTX-624 0.32 (mm)
IC 200-150142/6		11/25/2019 20:08	1	38970-06.D	RTX-624 0.32 (mm)
IC 200-150142/9		11/25/2019 22:37	1	38970-09.D	RTX-624 0.32 (mm)
IC 200-150142/10		11/25/2019 23:26	1	38970-10.D	RTX-624 0.32 (mm)
IC 200-150142/13		11/26/2019 01:56	1	38970-13.D	RTX-624 0.32 (mm)
IC 200-150142/14		11/26/2019 02:46	1	38970-14.D	RTX-624 0.32 (mm)
IC 200-150142/15		11/26/2019 03:35	1	38970-15.D	RTX-624 0.32 (mm)
ICV 200-150142/18		11/26/2019 06:05	1	38970-18.D	RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52091-1

SDG No.: _____

Instrument ID: CHX.i Start Date: 01/13/2020 06:48Analysis Batch Number: 151371 End Date: 01/14/2020 03:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-151371/1		01/13/2020 06:48	1	39532-01.D	RTX-624 0.32 (mm)
CCVIS 200-151371/3		01/13/2020 08:40	1	39532-03.D	RTX-624 0.32 (mm)
MB 200-151371/5		01/13/2020 10:19	1	39532-05.D	RTX-624 0.32 (mm)
LCS 200-151371/6		01/13/2020 11:09	1	39532-06.D	RTX-624 0.32 (mm)
ZZZZZ		01/13/2020 11:58	1		RTX-624 0.32 (mm)
ZZZZZ		01/13/2020 14:29	1		RTX-624 0.32 (mm)
ZZZZZ		01/13/2020 15:19	1		RTX-624 0.32 (mm)
ZZZZZ		01/13/2020 16:09	1		RTX-624 0.32 (mm)
200-52091-5		01/13/2020 17:06	0.2	39532-12.D	RTX-624 0.32 (mm)
ZZZZZ		01/13/2020 18:04	0.2		RTX-624 0.32 (mm)
ZZZZZ		01/13/2020 19:02	0.2		RTX-624 0.32 (mm)
ZZZZZ		01/13/2020 20:00	0.2		RTX-624 0.32 (mm)
ZZZZZ		01/13/2020 20:58	0.2		RTX-624 0.32 (mm)
ZZZZZ		01/13/2020 21:56	0.2		RTX-624 0.32 (mm)
ZZZZZ		01/13/2020 22:53	0.2		RTX-624 0.32 (mm)
ZZZZZ		01/13/2020 23:51	0.2		RTX-624 0.32 (mm)
ZZZZZ		01/14/2020 00:50	0.2		RTX-624 0.32 (mm)
ZZZZZ		01/14/2020 01:48	0.2		RTX-624 0.32 (mm)
ZZZZZ		01/14/2020 02:38	1		RTX-624 0.32 (mm)
ZZZZZ		01/14/2020 03:29	1		RTX-624 0.32 (mm)

Shipping and Receiving Documents

KNOLLMEYER
AMERICA LAB INC
RAFT AVE
ALBANY NY 12205

(518) 438-8140

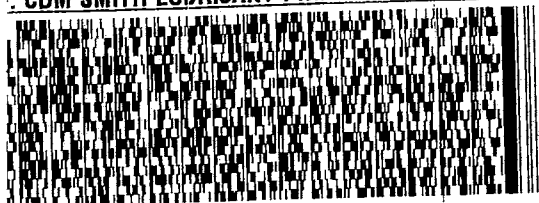
SHIP DATE: 17FEB20
ACT WGT: 34.90 LB
CAD: 0439821/CAFE3211

BILL 3rd PARTY

SAMPLE RECEIVING
TESTAMERICA - BURLINGTON
COMMUNITY DRIVE, SUITE 11

BURLINGTON VT 05403

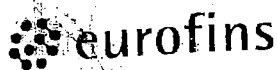
(US)
660-1990
CDM SMITH LUBRICANT PKG



4 of 5
1496 4445 5051
Tr# 1496 4445 5029

05403

9622 0417 3 (000 000 0000) 0 00 1496 4445 5051



Environment Testing
TestAmerica

Part # 156148-434 RIT EXP 07/20

FROM:
KNOLLMEYER
TESTAMERICA LAB INC
25 KRAFT AVE
ALBANY NY 12205
US

(518) 438-8140

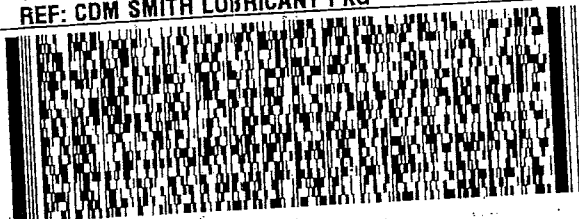
SHIP DATE: 17FEB20
ACT WGT: 34.90 LB
CAD: 0439821/CAFE3211

BILL 3rd PARTY

TO SAMPLE RECEIVING
TESTAMERICA - BURLINGTON
30 COMMUNITY DRIVE, SUITE 11

BURLINGTON VT 05403

(US)
(802) 660-1990
REF: CDM SMITH LUBRICANT PKG



3 of 5
MPS# 1496-4445 5040
Mstr# 1496 4445 5029

05403

9622 0417 3 (000 000 0000) 0 00 1496 4445 5040



Part # 156148-434 RIT EXP 09/19

FROM: (518) 438-8140
TIM KNOLLMEYER
TESTAMERICA LAB INC
25 KRAFT AVE

ALBANY NY 12205
US

SHIP DATE: 17FEB20
ACTWGT: 34.90 LB
CAD: 0439821/CAFE3211

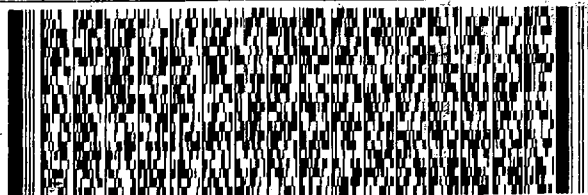
BILL 3rd PARTY

TO **SAMPLE RECEIVING**
TESTAMERICA - BURLINGTON
30 COMMUNITY DRIVE, SUITE 11

BURLINGTON VT 05403

(802) 660-1990

REF: CDM SMITH LUBRICANT PKG



FedEx
Ground



2 of 5
MPS# **1496 4445 5030**
Mstr# 1496 4445 5029

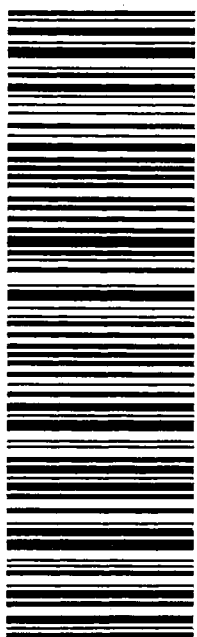
05403

9622 0417 3 (000 000 0000) 0 00 1496 4445 5030



Part # 156148-434 RIT EXP 09/19

Part #156148-434 RIT EXP 09/19



9622 0417 3 (000 000 0000) 0 00 1496 4445 5062

05403

5 of 5
MPS# **1496 4445 5062**
Mstr# 1496 4445 5029

FROM: (518) 438-8140
TIM KNOLLMEYER
TESTAMERICA LAB INC
25 KRAFT AVE

ALBANY NY 12205
US

SHIP DATE: 17FEB20
ACTWGT: 34.90 LB
CAD: 0439821/CAFE3211

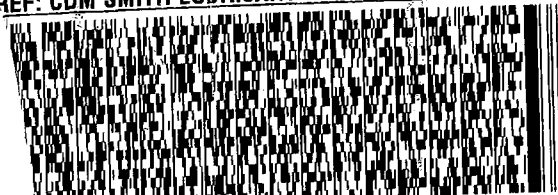
BILL 3rd PARTY

TO **SAMPLE RECEIVING**
TESTAMERICA - BURLINGTON
30 COMMUNITY DRIVE, SUITE 11

BURLINGTON VT 05403

(802) 660-1990

REF: CDM SMITH LUBRICANT PKG



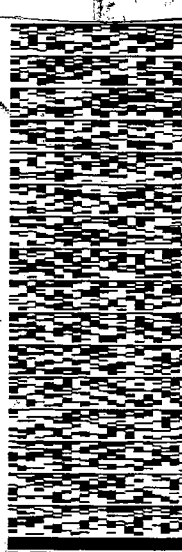
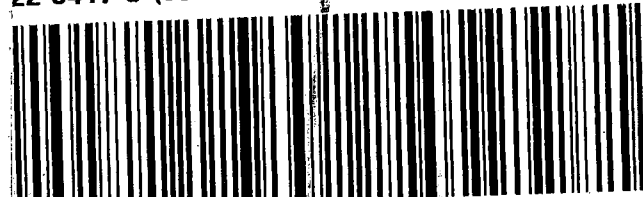
FedEx
Ground



1 of 5
MASTER # **1496 4445 5029**

0540

22 0417 3 (000 000 0000) 0 00 1496 4445 5029



BURLINGTON VT 05403

(US)



SAMPLE RECEIVING
TESTAMERICA - BURLINGTON
30 COMMUNITY DRIVE, SUITE 11

FROM: (518) 438-8140
TIM KNOLLMEYER
TESTAMERICA LAB INC
25 KRAFT AVE
ALBANY NY 12205

SHIP DATE: 17FEB20
ACTWGT: 34.90 LB
CAD: 0439821/CAFE3211
BILL 3rd PARTY

551C2/049E/104C

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 200-52685-1

Login Number: 52685

List Number: 1

Creator: McNabb, Robert W

List Source: Eurofins TestAmerica, Burlington

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	NA: Lab does not accept radioactive samples
The cooler's custody seal, if present, is intact.	True	No: Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	No: Thermal preservation not required
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	No: Thermal preservation not required
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	ER
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	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.	N/A	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Attachment D

Data Usability Summary Report

**DATA USABILITY SUMMARY REPORT
LUBRICANT PACKAGING CORP, NEW YORK**

Client: CDM Smith, Latham, New York
SDG: 200-52685-1
Laboratory: Eurofins Test America Laboratories, Burlington, Vermont
Site: Lubricant Packaging Corp., Middletown, New York
Date: April 16, 2020

EDS ID	Client ID	Laboratory ID	Matrix
1	SS-SV-04-021420	200-52685-1	Air
2	IA-04-021420	200-52685-2	Air
3	SS-SV-06-021420	200-52685-3	Air
4	IA-06-021420	200-52685-4	Air
5	SS-SV-05-021420	200-52685-5	Air
6	IA-05-021420	200-52685-6	Air
7	SV-DUP-021420	200-52685-7	Air
8	SS-SV-07-021420	200-52685-8	Air
9	IA-07-021420	200-52685-9	Air
10	AA-03-021420	200-52685-10	Air

A Data Usability Summary Review was performed on the analytical data for ten air samples collected on February 14, 2019 by CDM Smith at the Lubricant Packaging Corp. site in Middletown, New York. The samples were analyzed under "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition January 1999, EPA/625/R-96/010B", Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS)".

Specific method references are as follows:

Analysis
VOCs

Method References
USEPA Method TO-15

The data have been evaluated according to the protocols and quality control (QC) requirements of the USEPA Region II Data Review Standard Operating Procedure (SOP) Number HW-31, Revision 6, September 2016: Validating Volatile Organics of Ambient Air on Canisters by Method TO-15, and the reviewer's professional judgment.

The following data quality indicators were reviewed for this report:

Organics

- Data Completeness
- Cover letter, Narrative, and Data Reporting Forms

- Canister Certification Blanks
- Canister Certification Pressures Differences
- Chains-of-Custody and Traffic Reports
- Holding Times and sample preservation
- Laboratory Control Sample (LCS) recoveries
- GC/MS Tuning
- Method and Field Blank Contamination
- Initial and Continuing Calibration Summaries
- Compound Quantitation
- Internal Standard (IS) Area Performance
- Field Duplicate Sample Precision

Data Usability Assessment

There were no rejections of data.

The data are acceptable for the intended purposes. There were no qualifications.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Cover letter, Narrative, and Data Reporting Forms

- All criteria were met

Canister Certification Blanks

- The batch blank checks were non-detect or < RL.

Canister Certification Pressures Differences

- All criteria were met.

Chains-of-Custody and Traffic Reports

- All criteria were met

Holding Times

- All samples were analyzed within 30 days for air samples.

Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

GC/MS Tuning

- All criteria were met.

Method Blank

- The method blanks exhibited the following contamination.

Blank ID	Compound	Conc. ug/m3	Qualifier	Affected Samples
MB 200-152597/4	1,4-Dioxane	0.909	None	Associated Samples ND

Field Blank

- Field QC samples were not collected.

Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration

- The continuing calibrations exhibited acceptable %D and RRF values.

Compound Quantitation

- EDS Samples 1, 5, 6, and 7 exhibited compounds with high concentrations over the calibration range of the instrument and were flagged (E) by the laboratory. The samples were diluted and reanalyzed and the dilution results for these compounds should be used for reporting purposes.

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

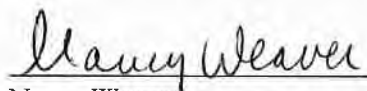
Field Duplicate Sample Precision

- Field duplicate results are summarized below. The precision was acceptable.

VOC - TO-15				
Compound	SS-SV-05-021420 ug/m3	SV-DUP-021420 ug/m3	RPD	Qualifier
Dichlorodifluoromethane	2.6	2.4	8%	None
Freon 22	1.7	1.3	27%	
Chloromethane	1.2	3.7	102%	None - <5X RL
n-Butane	31	37	18%	None
1,3-Butadiene	0.85	1.1	26%	
Trichlorofluoromethane	1.3	1.3	0%	
Freon TF	0.50	0.44	13%	
Acetone	100	150	40%	
Isopropyl Alcohol	1300	1500	14%	
Carbon Disulfide	5.1	0.24	182%	
Methylene Chloride	6.0	1.7U	NC	None
tert-Butyl Alcohol	2.2	3.3	40%	
n-Hexane	3.2	0.70U	NC	
Methyl Ethyl Ketone	1.2	1.1	9%	
Chloroform	0.38	0.46	19%	
1,1,1-Trichloroethane	0.67	0.93	33%	
Cyclohexane	1.2	1.3	8%	
Carbon Tetrachloride	0.43	0.45	5%	
Benzene	0.62	0.67	8%	
n-Heptane	0.32	0.30	6%	
Trichloroethene	1.1	0.32U	NC	
Toluene	3.1	4.1	28%	
Tetrachloroethene	6.3	7.3	15%	
Ethylbenzene	0.77	0.99	25%	
m,p-Xylene	2.5	4.4	55%	None - <5X RL
o-Xylene	0.54	0.95	55%	
Xylene, Total	3.0	5.3	55%	None
1,2,4-Trimethylbenzene	0.98U	0.21	NC	

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Signed:



Nancy Weaver
Senior Chemist

Dated: 4/16/20

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.:
Client Sample ID: SS-SV-04-021420 Lab Sample ID: 200-52685-1
Matrix: Air Lab File ID: 40108-18.D
Analysis Method: TO-15 Date Collected: 02/14/2020 11:30
Sample wt/vol: 200(mL) Date Analyzed: 02/21/2020 01:53
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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	1.9	J	2.5	0.54
75-45-6	Freon 22	86.47	1.8		1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	0.24
74-87-3	Chloromethane	50.49	1.0		1.0	0.23
106-97-8	n-Butane	58.12	9.9		1.2	0.26
75-01-4	Vinyl chloride	62.50	ND		0.15	0.11
106-99-0	1,3-Butadiene	54.09	0.14	J	0.44	0.13
74-83-9	Bromomethane	94.94	ND		0.78	0.20
75-00-3	Chloroethane	64.52	ND		1.3	0.14
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.87	0.23
75-69-4	Trichlorofluoromethane	137.37	1.4		1.1	0.34
76-13-1	Freon TF	187.38	0.43	J	1.5	0.29
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	0.15
67-64-1	Acetone	58.08	30		12	2.9
67-63-0	Isopropyl alcohol	60.10	190	~~190~~ E	37	~~12~~ 3.5
75-15-0	Carbon disulfide	76.14	ND		1.6	0.23
107-05-1	3-Chloropropene	76.53	ND		1.6	0.20
75-09-2	Methylene Chloride	84.93	ND		1.7	0.94
75-65-0	tert-Butyl alcohol	74.12	34		15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.72	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.79	0.17
110-54-3	n-Hexane	86.17	3.7		0.70	0.70
75-34-3	1,1-Dichloroethane	98.96	ND		0.81	0.17
78-93-3	Methyl Ethyl Ketone	72.11	6.2		1.5	0.21
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.79	0.18
540-59-0	1,2-Dichloroethene, Total	96.94	ND		1.6	0.17
67-66-3	Chloroform	119.38	0.27	J	0.98	0.16
109-99-9	Tetrahydrofuran	72.11	0.30	J	15	0.19
71-55-6	1,1,1-Trichloroethane	133.41	0.29	J	1.1	0.20
110-82-7	Cyclohexane	84.16	2.3		0.69	0.16
56-23-5	Carbon tetrachloride	153.81	0.34	J	0.38	0.15
540-84-1	2,2,4-Trimethylpentane	114.23	2.7		0.93	0.19
71-43-2	Benzene	78.11	1.3		0.64	0.21
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	0.13

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SS-SV-04-021420 Lab Sample ID: 200-52685-1
 Matrix: Air Lab File ID: 40108-18.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:30
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 01:53
 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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	2.3		0.82	0.23
79-01-6	Trichloroethene	131.39	ND		0.32	0.19
80-62-6	Methyl methacrylate	100.12	ND		2.0	0.14
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.15
123-91-1	1,4-Dioxane	88.11	ND		18	0.30
75-27-4	Bromodichloromethane	163.83	ND		1.3	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	0.15
108-10-1	methyl isobutyl ketone	100.16	0.88	J	2.0	0.15
108-88-3	Toluene	92.14	10		0.75	0.41
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	0.18
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.43	J	1.4	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		2.0	0.20
124-48-1	Dibromochloromethane	208.29	ND		1.7	0.31
106-93-4	1,2-Dibromoethane	187.87	ND		1.5	0.38
108-90-7	Chlorobenzene	112.56	ND		0.92	0.26
100-41-4	Ethylbenzene	106.17	2.2		0.87	0.27
179601-23-1	m,p-Xylene	106.17	8.0		2.2	0.43
95-47-6	Xylene, o-	106.17	3.4		0.87	0.21
1330-20-7	Xylene (total)	106.17	11		3.0	0.21
100-42-5	Styrene	104.15	0.22	J	0.85	0.17
75-25-2	Bromoform	252.75	ND		2.1	0.50
98-82-8	Cumene	120.19	0.50	J	0.98	0.17
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	0.29
103-65-1	n-Propylbenzene	120.19	0.58	J	0.98	0.19
622-96-8	4-Ethyltoluene	120.20	0.83	J	0.98	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	0.84	J	0.98	0.19
95-49-8	2-Chlorotoluene	126.59	ND		1.0	0.22
98-06-6	tert-Butylbenzene	134.22	ND		1.1	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	3.5		0.98	0.22
135-98-8	sec-Butylbenzene	134.22	ND		1.1	0.19
99-87-6	4-Isopropyltoluene	134.22	ND		1.1	0.21
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.2	0.66
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.2	0.72

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SS-SV-04-021420 Lab Sample ID: 200-52685-1
 Matrix: Air Lab File ID: 40108-18.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:30
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 01:53
 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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		1.0	0.44
104-51-8	n-Butylbenzene	134.22	ND		1.1	0.21
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	0.58
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3.7	1.6
87-68-3	Hexachlorobutadiene	260.76	ND		2.1	0.81
91-20-3	Naphthalene	128.17	ND		2.6	0.89

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

IDL

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.: _____
Client Sample ID: SS-SV-04-021420 DL Lab Sample ID: 200-52685-1 DL
Matrix: Air Lab File ID: 40108-19.D
Analysis Method: TO-15 Date Collected: 02/14/2020 11:30
Sample wt/vol: 67(mL) Date Analyzed: 02/21/2020 02:46
Soil Aliquot Vol.: _____ Dilution Factor: 2.99
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 152580 Units: ug/m3

Use original

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.2	J	7.4	1.6
75-45-6	Freon 22	86.47	2.1	J	5.3	1.3
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		4.2	0.73
74-87-3	Chloromethane	50.49	1.1	J	3.1	0.68
106-97-8	n-Butane	58.12	10		3.6	0.78
75-01-4	Vinyl chloride	62.50	ND		0.46	0.34
106-99-0	1,3-Butadiene	54.09	ND		1.3	0.38
74-83-9	Bromomethane	94.94	ND		2.3	0.59
75-00-3	Chloroethane	64.52	ND		3.9	0.43
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		2.6	0.68
75-69-4	Trichlorofluoromethane	137.37	1.4	J	3.4	1.0
76-13-1	Freon TF	187.38	ND		4.6	0.87
75-35-4	1,1-Dichloroethene	96.94	ND		2.4	0.46
67-64-1	Acetone	58.08	30	J	36	8.5
67-63-0	Isopropyl alcohol	60.10	190		37	3.5
75-15-0	Carbon disulfide	76.14	ND		4.7	0.69
107-05-1	3-Chloropropene	76.53	ND		4.7	0.60
75-09-2	Methylene Chloride	84.93	ND		5.2	2.8
75-65-0	tert-Butyl alcohol	74.12	33	J	45	0.34
1634-04-4	Methyl tert-butyl ether	88.15	ND		2.2	0.36
156-60-5	trans-1,2-Dichloroethene	96.94	ND		2.4	0.50
110-54-3	n-Hexane	86.17	3.6		2.1	2.1
75-34-3	1,1-Dichloroethane	98.96	ND		2.4	0.50
78-93-3	Methyl Ethyl Ketone	72.11	5.8		4.4	0.63
156-59-2	cis-1,2-Dichloroethene	96.94	ND		2.4	0.53
540-59-0	1,2-Dichloroethene, Total	96.94	ND		4.7	0.50
67-66-3	Chloroform	119.38	ND		2.9	0.47
109-99-9	Tetrahydrofuran	72.11	ND		44	0.58
71-55-6	1,1,1-Trichloroethane	133.41	ND		3.3	0.59
110-82-7	Cyclohexane	84.16	2.2		2.1	0.47
56-23-5	Carbon tetrachloride	153.81	ND		1.1	0.45
540-84-1	2,2,4-Trimethylpentane	114.23	2.7	J	2.8	0.57
71-43-2	Benzene	78.11	1.4	J	1.9	0.64
107-06-2	1,2-Dichloroethane	98.96	ND		2.4	0.39

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

IDL

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.: _____
Client Sample ID: SS-SV-04-021420 DL Lab Sample ID: 200-52685-1 DL
Matrix: Air Lab File ID: 40108-19.D
Analysis Method: TO-15 Date Collected: 02/14/2020 11:30
Sample wt/vol: 67(mL) Date Analyzed: 02/21/2020 02:46 use original
Soil Aliquot Vol: _____ Dilution Factor: 2.99
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	2.3	J	2.5	0.69
79-01-6	Trichloroethene	131.39	ND		0.96	0.56
80-62-6	Methyl methacrylate	100.12	ND		6.1	0.40
78-87-5	1,2-Dichloropropane	112.99	ND		2.8	0.46
123-91-1	1,4-Dioxane	88.11	ND		54	0.91
75-27-4	Bromodichloromethane	163.83	ND		4.0	0.70
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		2.7	0.43
108-10-1	methyl isobutyl ketone	100.16	ND		6.1	0.44
108-88-3	Toluene	92.14	10		2.3	1.2
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		2.7	0.53
79-00-5	1,1,2-Trichloroethane	133.41	ND		3.3	0.59
127-18-4	Tetrachloroethene	165.83	ND		4.1	0.67
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		6.1	0.59
124-48-1	Dibromochloromethane	208.29	ND		5.1	0.92
106-93-4	1,2-Dibromoethane	187.87	ND		4.6	1.1
108-90-7	Chlorobenzene	112.56	ND		2.8	0.77
100-41-4	Ethylbenzene	106.17	2.2	J	2.6	0.82
179601-23-1	m,p-Xylene	106.17	7.8		6.5	1.3
95-47-6	Xylene, o-	106.17	3.3		2.6	0.62
1330-20-7	Xylene (total)	106.17	11		9.1	0.62
100-42-5	Styrene	104.15	ND		2.5	0.51
75-25-2	Bromoform	252.75	ND		6.2	1.5
98-82-8	Cumene	120.19	ND		2.9	0.51
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		4.1	0.86
103-65-1	n-Propylbenzene	120.19	0.64	J	2.9	0.57
622-96-8	4-Ethyltoluene	120.20	0.61	J	2.9	0.60
108-67-8	1,3,5-Trimethylbenzene	120.20	0.91	J	2.9	0.57
95-49-8	2-Chlorotoluene	126.59	ND		3.1	0.65
98-06-6	tert-Butylbenzene	134.22	ND		3.3	0.57
95-63-6	1,2,4-Trimethylbenzene	120.20	3.4		2.9	0.65
135-98-8	sec-Butylbenzene	134.22	ND		3.3	0.57
99-87-6	4-Isopropyltoluene	134.22	ND		3.3	0.64
541-73-1	1,3-Dichlorobenzene	147.00	ND		3.6	2.0
106-46-7	1,4-Dichlorobenzene	147.00	ND		3.6	2.2

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IDL

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.:
Client Sample ID: SS-SV-04-021420 DL Lab Sample ID: 200-52685-1 DL
Matrix: Air Lab File ID: 40108-19.D
Analysis Method: TO-15 Date Collected: 02/14/2020 11:30
Sample wt/vol: 67(mL) Date Analyzed: 02/21/2020 02:46
Soil Aliquot Vol: Dilution Factor: 2.99
Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: Level: (low/med) Low
Analysis Batch No.: 152580 Units: ug/m3

use original

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		3.1	1.3
104-51-8	n-Butylbenzene	134.22	ND		3.3	0.64
95-50-1	1,2-Dichlorobenzene	147.00	ND		3.6	1.7
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		11	4.9
87-68-3	Hexachlorobutadiene	260.76	ND		6.4	2.4
91-20-3	Naphthalene	128.17	ND		7.8	2.7

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2

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: IA-04-021420 Lab Sample ID: 200-52685-2
 Matrix: Air Lab File ID: 40108-15.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:35
 Sample wt/vol: 200(mL) Date Analyzed: 02/20/2020 23:13
 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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	1.0	J	2.5	0.54
75-45-6	Freon 22	86.47	0.64	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	0.24
74-87-3	Chloromethane	50.49	0.65	J	1.0	0.23
106-97-8	n-Butane	58.12	1.4		1.2	0.26
75-01-4	Vinyl chloride	62.50	ND		0.15	0.11
106-99-0	1,3-Butadiene	54.09	ND		0.44	0.13
74-83-9	Bromomethane	94.94	ND		0.78	0.20
75-00-3	Chloroethane	64.52	ND		1.3	0.14
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.87	0.23
75-69-4	Trichlorofluoromethane	137.37	0.55	J	1.1	0.34
76-13-1	Freon TF	187.38	ND		1.5	0.29
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	0.15
67-64-1	Acetone	58.08	9.9	J	12	2.9
67-63-0	Isopropyl alcohol	60.10	11	J	12	1.2
75-15-0	Carbon disulfide	76.14	ND		1.6	0.23
107-05-1	3-Chloropropene	76.53	ND		1.6	0.20
75-09-2	Methylene Chloride	84.93	ND		1.7	0.94
75-65-0	tert-Butyl alcohol	74.12	1.3	J	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.72	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.79	0.17
110-54-3	n-Hexane	86.17	ND		0.70	0.70
75-34-3	1,1-Dichloroethane	98.96	ND		0.81	0.17
78-93-3	Methyl Ethyl Ketone	72.11	6.5		1.5	0.21
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.79	0.18
540-59-0	1,2-Dichloroethene, Total	96.94	ND		1.6	0.17
67-66-3	Chloroform	119.38	0.16	J	0.98	0.16
109-99-9	Tetrahydrofuran	72.11	ND		15	0.19
71-55-6	1,1,1-Trichloroethane	133.41	ND		1.1	0.20
110-82-7	Cyclohexane	84.16	0.60	J	0.69	0.16
56-23-5	Carbon tetrachloride	153.81	ND		0.38	0.15
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	0.19
71-43-2	Benzene	78.11	0.27	J	0.64	0.21
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	0.13

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2

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.:
Client Sample ID: IA-04-021420 Lab Sample ID: 200-52685-2
Matrix: Air Lab File ID: 40108-15.D
Analysis Method: TO-15 Date Collected: 02/14/2020 11:35
Sample wt/vol: 200 (mL) Date Analyzed: 02/20/2020 23:13
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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.39	J	0.82	0.23
79-01-6	Trichloroethene	131.39	ND		0.32	0.19
80-62-6	Methyl methacrylate	100.12	ND		2.0	0.14
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.15
123-91-1	1,4-Dioxane	88.11	0.32	J	18	0.30
75-27-4	Bromodichloromethane	163.83	ND		1.3	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	0.15
108-10-1	methyl isobutyl ketone	100.16	ND		2.0	0.15
108-88-3	Toluene	92.14	1.5		0.75	0.41
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	0.18
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	0.20
127-18-4	Tetrachloroethene	165.83	ND		1.4	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		2.0	0.20
124-48-1	Dibromochloromethane	208.29	ND		1.7	0.31
106-93-4	1,2-Dibromoethane	187.87	ND		1.5	0.38
108-90-7	Chlorobenzene	112.56	ND		0.92	0.26
100-41-4	Ethylbenzene	106.17	ND		0.87	0.27
179601-23-1	m,p-Xylene	106.17	0.75	J	2.2	0.43
95-47-6	Xylene, o-	106.17	ND		0.87	0.21
1330-20-7	Xylene (total)	106.17	0.74	J	3.0	0.21
100-42-5	Styrene	104.15	ND		0.85	0.17
75-25-2	Bromoform	252.75	ND		2.1	0.50
98-82-8	Cumene	120.19	ND		0.98	0.17
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	0.29
103-65-1	n-Propylbenzene	120.19	ND		0.98	0.19
622-96-8	4-Ethyltoluene	120.20	ND		0.98	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.98	0.19
95-49-8	2-Chlorotoluene	126.59	ND		1.0	0.22
98-06-6	tert-Butylbenzene	134.22	ND		1.1	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.98	0.22
135-98-8	sec-Butylbenzene	134.22	ND		1.1	0.19
99-87-6	4-Isopropyltoluene	134.22	ND		1.1	0.21
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.2	0.66
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.2	0.72

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2

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: IA-04-021420 Lab Sample ID: 200-52685-2
 Matrix: Air Lab File ID: 40108-15.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:35
 Sample wt/vol: 200 (mL) Date Analyzed: 02/20/2020 23:13
 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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		1.0	0.44
104-51-8	n-Butylbenzene	134.22	ND		1.1	0.21
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	0.58
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3.7	1.6
87-68-3	Hexachlorobutadiene	260.76	ND		2.1	0.81
91-20-3	Naphthalene	128.17	ND		2.6	0.89

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3

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SS-SV-06-021420 Lab Sample ID: 200-52685-3
 Matrix: Air Lab File ID: 40108-20.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 10:45
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 03:40
 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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	1.8	J	2.5	0.54
75-45-6	Freon 22	86.47	4.5		1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	0.24
74-87-3	Chloromethane	50.49	0.99	J	1.0	0.23
106-97-8	n-Butane	58.12	3.3		1.2	0.26
75-01-4	Vinyl chloride	62.50	ND		0.15	0.11
106-99-0	1,3-Butadiene	54.09	0.32	J	0.44	0.13
74-83-9	Bromomethane	94.94	ND		0.78	0.20
75-00-3	Chloroethane	64.52	ND		1.3	0.14
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.87	0.23
75-69-4	Trichlorofluoromethane	137.37	1.1		1.1	0.34
76-13-1	Freon TF	187.38	0.41	J	1.5	0.29
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	0.15
67-64-1	Acetone	58.08	16		12	2.9
67-63-0	Isopropyl alcohol	60.10	14		12	1.2
75-15-0	Carbon disulfide	76.14	ND		1.6	0.23
107-05-1	3-Chloropropene	76.53	ND		1.6	0.20
75-09-2	Methylene Chloride	84.93	ND		1.7	0.94
75-65-0	tert-Butyl alcohol	74.12	0.85	J	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.72	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.79	0.17
110-54-3	n-Hexane	86.17	ND		0.70	0.70
75-34-3	1,1-Dichloroethane	98.96	ND		0.81	0.17
78-93-3	Methyl Ethyl Ketone	72.11	4.4		1.5	0.21
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.79	0.18
540-59-0	1,2-Dichloroethene, Total	96.94	ND		1.6	0.17
67-66-3	Chloroform	119.38	0.25	J	0.98	0.16
109-99-9	Tetrahydrofuran	72.11	0.26	J	15	0.19
71-55-6	1,1,1-Trichloroethane	133.41	1.2		1.1	0.20
110-82-7	Cyclohexane	84.16	0.67		0.69	0.16
56-23-5	Carbon tetrachloride	153.81	0.33	J	0.38	0.15
540-84-1	2,2,4-Trimethylpentane	114.23	0.22	J	0.93	0.19
71-43-2	Benzene	78.11	0.57	J	0.64	0.21
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	0.13

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3

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.: _____
Client Sample ID: SS-SV-06-021420 Lab Sample ID: 200-52685-3
Matrix: Air Lab File ID: 40108-20.D
Analysis Method: TO-15 Date Collected: 02/14/2020 10:45
Sample wt/vol: 200(mL) Date Analyzed: 02/21/2020 03:40
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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.57	J	0.82	0.23
79-01-6	Trichloroethene	131.39	ND		0.32	0.19
80-62-6	Methyl methacrylate	100.12	ND		2.0	0.14
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.15
123-91-1	1,4-Dioxane	88.11	ND		18	0.30
75-27-4	Bromodichloromethane	163.83	ND		1.3	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	0.15
108-10-1	methyl isobutyl ketone	100.16	ND		2.0	0.15
108-88-3	Toluene	92.14	1.9		0.75	0.41
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	0.18
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.25	J	1.4	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		2.0	0.20
124-48-1	Dibromochloromethane	208.29	ND		1.7	0.31
106-93-4	1,2-Dibromoethane	187.87	ND		1.5	0.38
108-90-7	Chlorobenzene	112.56	ND		0.92	0.26
100-41-4	Ethylbenzene	106.17	0.46	J	0.87	0.27
179601-23-1	m,p-Xylene	106.17	1.5	J	2.2	0.43
95-47-6	Xylene, o-	106.17	0.49	J	0.87	0.21
1330-20-7	Xylene (total)	106.17	2.0	J	3.0	0.21
100-42-5	Styrene	104.15	0.17	J	0.85	0.17
75-25-2	Bromoform	252.75	ND		2.1	0.50
98-82-8	Cumene	120.19	ND		0.98	0.17
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	0.29
103-65-1	n-Propylbenzene	120.19	ND		0.98	0.19
622-96-8	4-Ethyltoluene	120.20	ND		0.98	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.98	0.19
95-49-8	2-Chlorotoluene	126.59	ND		1.0	0.22
98-06-6	tert-Butylbenzene	134.22	ND		1.1	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.98	0.22
135-98-8	sec-Butylbenzene	134.22	ND		1.1	0.19
99-87-6	4-Isopropyltoluene	134.22	ND		1.1	0.21
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.2	0.66
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.2	0.72

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3

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SS-SV-06-021420 Lab Sample ID: 200-52685-3
 Matrix: Air Lab File ID: 40108-20.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 10:45
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 03:40
 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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		1.0	0.44
104-51-8	n-Butylbenzene	134.22	ND		1.1	0.21
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	0.58
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3.7	1.6
87-68-3	Hexachlorobutadiene	260.76	ND		2.1	0.81
91-20-3	Naphthalene	128.17	ND		2.6	0.89

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4

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: IA-06-021420 Lab Sample ID: 200-52685-4
 Matrix: Air Lab File ID: 40108-21.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 10:50
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 04:34
 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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	1.7	J	2.5	0.54
75-45-6	Freon 22	86.47	1.1	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	0.24
74-87-3	Chloromethane	50.49	1.5		1.0	0.23
106-97-8	n-Butane	58.12	3.4		1.2	0.26
75-01-4	Vinyl chloride	62.50	ND		0.15	0.11
106-99-0	1,3-Butadiene	54.09	0.50		0.44	0.13
74-83-9	Bromomethane	94.94	ND		0.78	0.20
75-00-3	Chloroethane	64.52	ND		1.3	0.14
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.87	0.23
75-69-4	Trichlorofluoromethane	137.37	1.2		1.1	0.34
76-13-1	Freon TF	187.38	0.42	J	1.5	0.29
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	0.15
67-64-1	Acetone	58.08	25		12	2.9
67-63-0	Isopropyl alcohol	60.10	32		12	1.2
75-15-0	Carbon disulfide	76.14	1.6		1.6	0.23
107-05-1	3-Chloropropene	76.53	ND		1.6	0.20
75-09-2	Methylene Chloride	84.93	ND		1.7	0.94
75-65-0	tert-Butyl alcohol	74.12	2.6	J	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.72	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.79	0.17
110-54-3	n-Hexane	86.17	ND		0.70	0.70
75-34-3	1,1-Dichloroethane	98.96	ND		0.81	0.17
78-93-3	Methyl Ethyl Ketone	72.11	14		1.5	0.21
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.79	0.18
540-59-0	1,2-Dichloroethene, Total	96.94	ND		1.6	0.17
67-66-3	Chloroform	119.38	0.34	J	0.98	0.16
109-99-9	Tetrahydrofuran	72.11	0.89	J	15	0.19
71-55-6	1,1,1-Trichloroethane	133.41	2.2		1.1	0.20
110-82-7	Cyclohexane	84.16	0.98		0.69	0.16
56-23-5	Carbon tetrachloride	153.81	0.36	J	0.38	0.15
540 84 1	2,2,4-Trimethylpentane	114.23	ND		0.93	0.19
71-43-2	Benzene	78.11	0.61	J	0.64	0.21
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	0.13

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Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.: _____
Client Sample ID: IA-06-021420 Lab Sample ID: 200-52685-4
Matrix: Air Lab File ID: 40108-21.D
Analysis Method: TO-15 Date Collected: 02/14/2020 10:50
Sample wt/vol: 200(mL) Date Analyzed: 02/21/2020 04:34
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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.86		0.82	0.23
79-01-6	Trichloroethene	131.39	ND		0.32	0.19
80-62-6	Methyl methacrylate	100.12	ND		2.0	0.14
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.15
123-91-1	1,4-Dioxane	88.11	ND		18	0.30
75-27-4	Bromodichloromethane	163.83	ND		1.3	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	0.15
108-10-1	methyl isobutyl ketone	100.16	ND		2.0	0.15
108-88-3	Toluene	92.14	2.0		0.75	0.41
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	0.18
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.23	J	1.4	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		2.0	0.20
124-48-1	Dibromochloromethane	208.29	ND		1.7	0.31
106-93-4	1,2-Dibromoethane	187.87	ND		1.5	0.38
108-90-7	Chlorobenzene	112.56	ND		0.92	0.26
100-41-4	Ethylbenzene	106.17	0.43	J	0.87	0.27
179601-23-1	m,p-Xylene	106.17	1.6	J	2.2	0.43
95-47-6	Xylene, o-	106.17	0.43	J	0.87	0.21
1330-20-7	Xylene (total)	106.17	2.0	J	3.0	0.21
100-42-5	Styrene	104.15	ND		0.85	0.17
75-25-2	Bromoform	252.75	ND		2.1	0.50
98-82-8	Cumene	120.19	ND		0.98	0.17
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	0.29
103-65-1	n-Propylbenzene	120.19	ND		0.98	0.19
622-96-8	4-Ethyltoluene	120.20	ND		0.98	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.98	0.19
95-49-8	2-Chlorotoluene	126.59	ND		1.0	0.22
98-06-6	tert-Butylbenzene	134.22	ND		1.1	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.98	0.22
135-98-8	sec-Butylbenzene	134.22	ND		1.1	0.19
99-87-6	4-Isopropyltoluene	134.22	ND		1.1	0.21
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.2	0.66
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.2	0.72

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Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: IA-06-021420 Lab Sample ID: 200-52685-4
 Matrix: Air Lab File ID: 40108-21.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 10:50
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 04:34
 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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		1.0	0.44
104-51-8	n-Butylbenzene	134.22	ND		1.1	0.21
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	0.58
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3.7	1.6
87-68-3	Hexachlorobutadiene	260.76	ND		2.1	0.81
91-20-3	Naphthalene	128.17	ND		2.6	0.89

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Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.:
Client Sample ID: SS-SV-05-021420 Lab Sample ID: 200-52685-5
Matrix: Air Lab File ID: 40114-07.D
Analysis Method: TO-15 Date Collected: 02/14/2020 11:00
Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 12:19
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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.6		2.5	0.54
75-45-6	Freon 22	86.47	1.7	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	0.24
74-87-3	Chloromethane	50.49	1.2		1.0	0.23
106-97-8	n-Butane	58.12	31		1.2	0.26
75-01-4	Vinyl chloride	62.50	ND		0.15	0.11
106-99-0	1,3-Butadiene	54.09	0.85		0.44	0.13
74-83-9	Bromomethane	94.94	ND		0.78	0.20
75-00-3	Chloroethane	64.52	ND		1.3	0.14
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.87	0.23
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1	0.34
76-13-1	Freon TF	187.38	0.50	J	1.5	0.29
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	0.15
67-64-1	Acetone	58.08	100	~~110~~ E J	240	~~57~~ 2.9
67-63-0	Isopropyl alcohol	60.10	1300	~~1200~~ E	250	~~24~~ 1.2
75-15-0	Carbon disulfide	76.14	5.1		1.6	0.23
107-05-1	3-Chloropropene	76.53	ND		1.6	0.20
75-09-2	Methylene Chloride	84.93	6.0		1.7	0.94
75-65-0	tert-Butyl alcohol	74.12	2.2	J	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.72	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.79	0.17
110-54-3	n-Hexane	86.17	3.2		0.70	0.70
75-34-3	1,1-Dichloroethane	98.96	ND		0.81	0.17
78-93-3	Methyl Ethyl Ketone	72.11	1.2	J	1.5	0.21
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.79	0.18
540-59-0	1,2-Dichloroethene, Total	96.94	ND		1.6	0.17
67-66-3	Chloroform	119.38	0.38	J	0.98	0.16
109-99-9	Tetrahydrofuran	72.11	ND		15	0.19
71-55-6	1,1,1-Trichloroethane	133.41	0.67	J	1.1	0.20
110-82-7	Cyclohexane	84.16	1.2		0.69	0.16
56-23-5	Carbon tetrachloride	153.81	0.43		0.38	0.15
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	0.19
71-43-2	Benzene	78.11	0.62	J	0.64	0.21
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	0.13

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Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SS-SV-05-021420 Lab Sample ID: 200-52685-5
 Matrix: Air Lab File ID: 40114-07.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:00
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 12:19
 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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.32	J	0.82	0.23
79-01-6	Trichloroethene	131.39	1.1		0.32	0.19
80-62-6	Methyl methacrylate	100.12	ND		2.0	0.14
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.15
123-91-1	1,4-Dioxane	88.11	ND		18	0.30
75-27-4	Bromodichloromethane	163.83	ND		1.3	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	0.15
108-10-1	methyl isobutyl ketone	100.16	ND		2.0	0.15
108-88-3	Toluene	92.14	3.1		0.75	0.41
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	0.18
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	0.20
127-18-4	Tetrachloroethene	165.83	6.3		1.4	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		2.0	0.20
124-48-1	Dibromochloromethane	208.29	ND		1.7	0.31
106-93-4	1,2-Dibromoethane	187.87	ND		1.5	0.38
108-90-7	Chlorobenzene	112.56	ND		0.92	0.26
100-41-4	Ethylbenzene	106.17	0.77	J	0.87	0.27
179601-23-1	m,p-Xylene	106.17	2.5		2.2	0.43
95-47-6	Xylene, o-	106.17	0.54	J	0.87	0.21
1330-20-7	Xylene (total)	106.17	3.0	J	3.0	0.21
100-42-5	Styrene	104.15	ND		0.85	0.17
75-25-2	Bromoform	252.75	ND		2.1	0.50
98-82-8	Cumene	120.19	ND		0.98	0.17
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	0.29
103-65-1	n-Propylbenzene	120.19	ND		0.98	0.19
622-96-8	4-Ethyltoluene	120.20	ND		0.98	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.98	0.19
95-49-8	2-Chlorotoluene	126.59	ND		1.0	0.22
98-06-6	tert-Butylbenzene	134.22	ND		1.1	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.98	0.22
135-98-8	sec-Butylbenzene	134.22	ND		1.1	0.19
99-87-6	4-isopropyltoluene	134.22	ND		1.1	0.21
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.2	0.66
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.2	0.72

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Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SS-SV-05-021420 Lab Sample ID: 200-52685-5
 Matrix: Air Lab File ID: 40114-07.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:00
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 12:19
 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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		1.0	0.44
104-51-8	n-Butylbenzene	134.22	ND		1.1	0.21
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	0.58
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3.7	1.6
87-68-3	Hexachlorobutadiene	260.76	ND		2.1	0.81
91-20-3	Naphthalene	128.17	ND		2.6	0.89

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5DL

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.: _____
Client Sample ID: SS-SV-05-021420 DL Lab Sample ID: 200-52685-5 DL
Matrix: Air Lab File ID: 40114-08.D
Analysis Method: TO-15 Date Collected: 02/14/2020 11:00
Sample wt/vol: 10(mL) Date Analyzed: 02/21/2020 13:09
Soil Aliquot Vol: _____ Dilution Factor: 20
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 152597 Units: ug/m3

Use original

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	ND		49	11
75-45-6	Freon 22	86.47	ND		35	8.5
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		28	4.9
74-87-3	Chloromethane	50.49	ND		21	4.5
106-97-8	n-Butane	58.12	31		24	5.2
75-01-4	Vinyl chloride	62.50	ND		3.1	2.2
106-99-0	1,3-Butadiene	54.09	ND		8.8	2.5
74-83-9	Bromomethane	94.94	ND		16	4.0
75-00-3	Chloroethane	64.52	ND		26	2.8
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		17	4.5
75-69-4	Trichlorofluoromethane	137.37	ND		22	6.7
76-13-1	Freon TF	187.38	ND		31	5.8
75-35-4	1,1-Dichloroethene	96.94	ND		16	3.1
67-64-1	Acetone	58.08	100	J	240	57
67-63-0	Isopropyl alcohol	60.10	1300		250	24
75-15-0	Carbon disulfide	76.14	4.9	J	31	4.6
107-05-1	3-Chloropropene	76.53	ND		31	4.0
75-09-2	Methylene Chloride	84.93	ND		35	19
75-65-0	tert-Butyl alcohol	74.12	ND		300	2.3
1634-04-4	Methyl tert-butyl ether	88.15	ND		14	2.4
156-60-5	trans-1,2-Dichloroethene	96.94	ND		16	3.3
110-54-3	n-Hexane	86.17	ND		14	14
75-34-3	1,1-Dichloroethane	98.96	ND		16	3.3
78-93-3	Methyl Ethyl Ketone	72.11	ND		29	4.2
156-59-2	Cis-1,2-Dichloroethene	96.94	ND		16	3.6
540-59-0	1,2-Dichloroethene, Total	96.94	ND		32	3.3
67-66-3	Chloroform	119.38	ND		20	3.1
109-99-9	Tetrahydrofuran	72.11	ND		290	3.9
71-55-6	1,1,1-Trichloroethane	133.41	ND		22	3.9
110-82-7	Cyclohexane	84.16	ND		14	3.2
56-23-5	Carbon tetrachloride	153.81	ND		7.5	3.0
540-84-1	2,2,4-Trimethylpentane	114.23	ND		19	3.8
71-43-2	Benzene	78.11	ND		13	4.3
107-06-2	1,2-Dichloroethane	98.96	ND		16	2.6

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5DL

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.: _____
Client Sample ID: SS-SV-05-021420 DL Lab Sample ID: 200-52685-5 DL
Matrix: Air Lab File ID: 40114-08.D
Analysis Method: TO-15 Date Collected: 02/14/2020 11:00
Sample wt/vol: 10(mL) Date Analyzed: 02/21/2020 13:09
Soil Aliquot Vol: _____ Dilution Factor: 20
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 152597 Units: ug/m3

use original

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	ND		16	4.6
79-01-6	Trichloroethene	131.39	ND		6.4	3.8
80-62-6	Methyl methacrylate	100.12	ND		41	2.7
78-87-5	1,2-Dichloropropane	112.99	ND		18	3.1
123-91-1	1,4-Dioxane	88.11	ND		360	6.1
75-27-4	Bromodichloromethane	163.83	ND		27	4.7
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		18	2.9
108-10-1	methyl isobutyl ketone	100.16	ND		41	2.9
108-88-3	Toluene	92.14	ND		15	8.3
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		18	3.5
79-00-5	1,1,2-Trichloroethane	133.41	ND		22	3.9
127-18-4	Tetrachloroethene	165.83	5.1	J	27	4.5
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		41	3.9
124-48-1	Dibromochloromethane	208.29	ND		34	6.1
106-93-4	1,2-Dibromoethane	187.87	ND		31	7.5
108-90-7	Chlorobenzene	112.56	ND		18	5.2
100-41-4	Ethylbenzene	106.17	ND		17	5.5
179601-23-1	m,p-Xylene	106.17	ND		43	8.7
95-47-6	Xylene, o-	106.17	ND		17	4.2
1330-20-7	Xylene (total)	106.17	ND		61	4.2
100-42-5	Styrene	104.15	ND		17	3.4
75-25-2	Bromoform	252.75	ND		41	9.9
98-82-8	Cumene	120.19	ND		20	3.4
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		27	5.8
103-65-1	n-Propylbenzene	120.19	ND		20	3.8
622-96-8	4-Ethyltoluene	120.20	ND		20	4.0
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		20	3.8
95-49-8	2-Chlorotoluene	126.59	ND		21	4.3
98-06-6	tert-Butylbenzene	134.22	ND		22	3.8
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		20	4.3
135-98-8	sec-Butylbenzene	134.22	ND		22	3.8
99-87-6	4-Isopropyltoluene	134.22	ND		22	4.3
541-73-1	1,3-Dichlorobenzene	147.00	ND		24	13
106-46-7	1,4-Dichlorobenzene	147.00	ND		24	14

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5DL

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.: _____
Client Sample ID: SS-SV-05-021420 DL Lab Sample ID: 200-52685-5 DL
Matrix: Air Lab File ID: 40114-08.D
Analysis Method: TO-15 Date Collected: 02/14/2020 11:00
Sample wt/vol: 10(mL) Date Analyzed: 02/21/2020 13:09
Soil Aliquot Vol: _____ Dilution Factor: 20
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 152597 Units: ug/m3

Use original

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		21	8.8
104-51-8	n-Butylbenzene	134.22	ND		22	4.3
95-50-1	1,2-Dichlorobenzene	147.00	ND		24	12
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		74	33
87-68-3	Hexachlorobutadiene	260.76	ND		43	16
91-20-3	Naphthalene	128.17	ND		52	18

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b

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1

SDG No.: _____

Client Sample ID: IA-05-021420 Lab Sample ID: 200-52685-6

Matrix: Air Lab File ID: 40108-22.D

Analysis Method: TO-15 Date Collected: 02/14/2020 11:10

Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 05:27

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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.1	J	2.5	0.54
75-45-6	Freon 22	86.47	2.2		1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	0.24
74-87-3	Chloromethane	50.49	1.2		1.0	0.23
106-97-8	n-Butane	58.12	39		1.2	0.26
75-01-4	Vinyl chloride	62.50	ND		0.15	0.11
106-99-0	1,3-Butadiene	54.09	1.3		0.44	0.13
74-83-9	Bromomethane	94.94	ND		0.78	0.20
75-00-3	Chloroethane	64.52	ND		1.3	0.14
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.87	0.23
75-69-4	Trichlorofluoromethane	137.37	1.1		1.1	0.34
76-13-1	Freon TF	187.38	0.45	J	1.5	0.29
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	0.15
67-64-1	Acetone	58.08	73		12	2.9
67-63-0	Isopropyl alcohol	60.10	5300 2200 ~~E~~		4600 ~~12~~ 440 ~~1.2~~	
75-15-0	Carbon disulfide	76.14	0.31	J	1.6	0.23
107-05-1	3-Chloropropene	76.53	ND		1.6	0.20
75-09-2	Methylene Chloride	84.93	ND		1.7	0.94
75-65-0	tert-Butyl alcohol	74.12	0.62	J	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.72	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.79	0.17
110-54-3	n-Hexane	86.17	0.82		0.70	0.70
75-34-3	1,1-Dichloroethane	98.96	ND		0.81	0.17
78-93-3	Methyl Ethyl Ketone	72.11	1.9		1.5	0.21
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.79	0.18
540-59-0	1,2-Dichloroethene, Total	96.94	ND		1.6	0.17
67-66-3	Chloroform	119.38	0.41	J	0.98	0.16
109-99-9	Tetrahydrofuran	72.11	2.0	J	15	0.19
71-55-6	1,1,1-Trichloroethane	133.41	0.98	J	1.1	0.20
110-82-7	Cyclohexane	84.16	1.7		0.69	0.16
56-23-5	Carbon tetrachloride	153.81	0.33	J	0.38	0.15
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	0.19
71-43-2	Benzene	78.11	0.78		0.64	0.21
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	0.13

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6

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.: _____
Client Sample ID: IA-05-021420 Lab Sample ID: 200-52685-6
Matrix: Air Lab File ID: 40108-22.D
Analysis Method: TO-15 Date Collected: 02/14/2020 11:10
Sample wt/vol: 200(mL) Date Analyzed: 02/21/2020 05:27
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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.55	J	0.82	0.23
79-01-6	Trichloroethene	131.39	ND		0.32	0.19
80-62-6	Methyl methacrylate	100.12	ND		2.0	0.14
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.15
123-91-1	1,4-Dioxane	88.11	ND		18	0.30
75-27-4	Bromodichloromethane	163.83	ND		1.3	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	0.15
108-10-1	methyl isobutyl ketone	100.16	ND		2.0	0.15
108-88-3	Toluene	92.14	4.7		0.75	0.41
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	0.18
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	0.20
127-18-4	Tetrachloroethene	165.83	4.6		1.4	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		2.0	0.20
124-48-1	Dibromochloromethane	208.29	ND		1.7	0.31
106-93-4	1,2-Dibromoethane	187.87	ND		1.5	0.38
108-90-7	Chlorobenzene	112.56	ND		0.92	0.26
100-41-4	Ethylbenzene	106.17	1.3		0.87	0.27
179601-23-1	m,p-Xylene	106.17	5.2		2.2	0.43
95-47-6	Xylene, o-	106.17	1.5		0.87	0.21
1330-20-7	Xylene (total)	106.17	6.7		3.0	0.21
100-42-5	Styrene	104.15	ND		0.85	0.17
75-25-2	Bromoform	252.75	ND		2.1	0.50
98-82-8	Cumene	120.19	ND		0.98	0.17
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	0.29
103-65-1	n-Propylbenzene	120.19	ND		0.98	0.19
622-96-8	4-Ethyltoluene	120.20	ND		0.98	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.98	0.19
95-49-8	2-Chlorotoluene	126.59	ND		1.0	0.22
98-06-6	tert-Butylbenzene	134.22	ND		1.1	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	0.34	J	0.98	0.22
135-98-8	sec-Butylbenzene	134.22	ND		1.1	0.19
99-87-6	4-Isopropyltoluene	134.22	ND		1.1	0.21
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.2	0.66
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.2	0.72

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6

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: IA-05-021420 Lab Sample ID: 200-52685-6
 Matrix: Air Lab File ID: 40108-22.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:10
 Sample wt/vol: 200(mL) Date Analyzed: 02/21/2020 05:27
 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.: 152580 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		1.0	0.44
104-51-8	n-Butylbenzene	134.22	ND		1.1	0.21
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	0.58
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3.7	1.6
87-68-3	Hexachlorobutadiene	260.76	ND		2.1	0.81
91-20-3	Naphthalene	128.17	ND		2.6	0.89

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6DL

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.: _____
Client Sample ID: IA-05-021420 DL Lab Sample ID: 200-52685-6 DL
Matrix: Air Lab File ID: 40114-12.D
Analysis Method: TO-15 Date Collected: 02/14/2020 11:10
Sample wt/vol: 31(mL) Date Analyzed: 02/21/2020 16:29
Soil Aliquot Vol: _____ Dilution Factor: 371
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 152597 Units: ug/m3

Use original

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	ND		920	200
75-45-6	Freon 22	86.47	ND		660	160
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		520	91
74-87-3	Chloromethane	50.49	ND		380	84
106-97-8	n-Butane	58.12	110	J	440	97
75-01-4	Vinyl chloride	62.50	ND		57	42
106-99-0	1,3-Butadiene	54.09	ND		160	47
74-83-9	Bromomethane	94.94	ND		290	73
75-00-3	Chloroethane	64.52	ND		490	53
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		320	84
75-69-4	Trichlorofluoromethane	137.37	ND		420	130
76-13-1	Freon TF	187.38	ND		570	110
75-35-4	1,1-Dichloroethene	96.94	ND		290	57
67-64-1	Acetone	58.08	ND		4400	1100
67-63-0	Isopropyl alcohol	60.10	5300		4600	440
75-15-0	Carbon disulfide	76.14	ND		580	85
107-05-1	3-Chloropropene	76.53	ND		580	74
75-09-2	Methylene Chloride	84.93	ND		640	350
75-65-0	tert-Butyl alcohol	74.12	ND		5600	43
1634-04-4	Methyl tert-butyl ether	88.15	ND		270	44
156-60-5	trans-1,2-Dichloroethene	96.94	ND		290	62
110-54-3	n-Hexane	86.17	ND		260	260
75-34-3	1,1-Dichloroethane	98.96	ND		300	62
78-93-3	Methyl Ethyl Ketone	72.11	ND		550	79
156-59-2	cis-1,2-Dichloroethene	96.94	ND		290	66
540-59-0	1,2-Dichloroethene, Total	96.94	ND		590	62
67-66-3	Chloroform	119.38	ND		360	58
109-99-9	Tetrahydrofuran	72.11	ND		5500	72
71-55-6	1,1,1-Trichloroethane	133.41	ND		400	73
110-82-7	Cyclohexane	84.16	ND		260	59
56-23-5	Carbon tetrachloride	153.81	ND		140	56
540-84-1	2,2,4-Trimethylpentane	114.23	ND		350	71
71-43-2	Benzene	78.11	ND		240	79
107-06-2	1,2-Dichloroethane	98.96	ND		300	48

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6DL

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.: _____
Client Sample ID: IA-05-021420 DL Lab Sample ID: 200-52685-6 DL
Matrix: Air Lab File ID: 40114-12.D
Analysis Method: TO-15 Date Collected: 02/14/2020 11:10
Sample wt/vol: 31(mL) Date Analyzed: 02/21/2020 16:29
Soil Aliquot Vol: _____ Dilution Factor: 371
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 152597 Units: ug/m3

use original

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	ND		300	85
79-01-6	Trichloroethene	131.39	ND		120	70
80-62-6	Methyl methacrylate	100.12	ND		760	50
78-87-5	1,2-Dichloropropane	112.99	ND		340	57
123-91-1	1,4-Dioxane	88.11	ND		6700	110
75-27-4	Bromodichloromethane	163.83	ND		500	87
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		340	54
108-10-1	methyl isobutyl ketone	100.16	ND		760	55
108-88-3	Toluene	92.14	ND		280	150
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		340	66
79-00-5	1,1,2-Trichloroethane	133.41	ND		400	73
127-18-4	Tetrachloroethene	165.83	ND		500	83
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		760	73
124-48-1	Dibromochloromethane	208.29	ND		630	110
106-93-4	1,2-Dibromoethane	187.87	ND		570	140
108-90-7	Chlorobenzene	112.56	ND		340	96
100-41-4	Ethylbenzene	106.17	ND		320	100
179601-23-1	m,p-Xylene	106.17	ND		810	160
95-47-6	Xylene, o-	106.17	ND		320	77
1330-20-7	Xylene (total)	106.17	ND		1100	77
100-42-5	Styrene	104.15	ND		320	63
75-25-2	Bromoform	252.75	ND		770	180
98-82-8	Cumene	120.19	ND		360	64
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		510	110
103-65-1	n-Propylbenzene	120.19	ND		360	71
622-96-8	4-Ethyltoluene	120.20	ND		360	75
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		360	71
95-49-8	2-Chlorotoluene	126.59	ND		380	81
98-06-6	tert-Butylbenzene	134.22	ND		410	71
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		360	80
135-98-8	sec-Butylbenzene	134.22	ND		410	71
99-87-6	4-Isopropyltoluene	134.22	ND		410	79
541-73-1	1,3-Dichlorobenzene	147.00	ND		450	250
106-46-7	1,4-Dichlorobenzene	147.00	ND		450	270

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6DL

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.: _____
Client Sample ID: IA-05-021420 DL Lab Sample ID: 200-52685-6 DL
Matrix: Air Lab File ID: 40114-12.D
Analysis Method: TO-15 Date Collected: 02/14/2020 11:10
Sample wt/vol: 31(mL) Date Analyzed: 02/21/2020 16:29
Soil Aliquot Vol: _____ Dilution Factor: 371
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 152597 Units: ug/m3

use original

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
~~100-44-7~~	~~Benzyl chloride~~	~~126.58~~	~~ND~~		~~380~~	~~160~~
~~104-51-8~~	~~n-Butylbenzene~~	~~134.22~~	~~ND~~		~~410~~	~~79~~
~~95-50-1~~	~~1,2-Dichlorobenzene~~	~~147.00~~	~~ND~~		~~450~~	~~220~~
~~120-82-1~~	~~1,2,4-Trichlorobenzene~~	~~181.45~~	~~ND~~		~~1400~~	~~610~~
~~87-68-3~~	~~Hexachlorobutadiene~~	~~260.76~~	~~ND~~		~~790~~	~~300~~
~~91-20-3~~	~~Naphthalene~~	~~128.17~~	~~ND~~		~~970~~	~~330~~

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7

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.: _____
Client Sample ID: SV-DUP-021420 Lab Sample ID: 200-52685-7
Matrix: Air Lab File ID: 40114-10.D
Analysis Method: TO-15 Date Collected: 02/14/2020 11:05
Sample wt/vol: 200(mL) Date Analyzed: 02/21/2020 14:49
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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.4	J	2.5	0.54
75-45-6	Freon 22	86.47	1.3	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	0.24
74-87-3	Chloromethane	50.49	3.7		1.0	0.23
106-97-8	n-Butane	58.12	37		1.2	0.26
75-01-4	Vinyl chloride	62.50	ND		0.15	0.11
106-99-0	1,3-Butadiene	54.09	1.1		0.44	0.13
74-83-9	Bromomethane	94.94	ND		0.78	0.20
75-00-3	Chloroethane	64.52	ND		1.3	0.14
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.87	0.23
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1	0.34
76-13-1	Freon TF	187.38	0.44	J	1.5	0.29
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	0.15
67-64-1	Acetone	58.08	150 140 ~~E~~ J		240 12	57 2.9
67-63-0	Isopropyl alcohol	60.10	1500 1300 ~~E~~		250 12	24 1.2
75-15-0	Carbon disulfide	76.14	0.24	J	1.6	0.23
107-05-1	3-Chloropropene	76.53	ND		1.6	0.20
75-09-2	Methylene Chloride	84.93	ND		1.7	0.94
75-65-0	tert-Butyl alcohol	74.12	3.3	J	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.72	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.79	0.17
110-54-3	n-Hexane	86.17	ND		0.70	0.70
75-34-3	1,1-Dichloroethane	98.96	ND		0.81	0.17
78-93-3	Methyl Ethyl Ketone	72.11	1.1	J	1.5	0.21
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.79	0.18
540-59-0	1,2-Dichloroethene, Total	96.94	ND		1.6	0.17
67-66-3	Chloroform	119.38	0.46	J	0.98	0.16
109-99-9	Tetrahydrofuran	72.11	ND		15	0.19
71-55-6	1,1,1-Trichloroethane	133.41	0.93	J	1.1	0.20
110-82-7	Cyclohexane	84.16	1.3		0.69	0.16
56-23-5	Carbon tetrachloride	153.81	0.45		0.38	0.15
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	0.19
71-43-2	Benzene	78.11	0.67		0.64	0.21
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	0.13

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7

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.: _____
Client Sample ID: SV-DUP-021420 Lab Sample ID: 200-52685-7
Matrix: Air Lab File ID: 40114-10.D
Analysis Method: TO-15 Date Collected: 02/14/2020 11:05
Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 14:49
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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.30	J	0.82	0.23
79-01-6	Trichloroethene	131.39	ND		0.32	0.19
80-62-6	Methyl methacrylate	100.12	ND		2.0	0.14
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.15
123-91-1	1,4-Dioxane	88.11	ND		18	0.30
75-27-4	Bromodichloromethane	163.83	ND		1.3	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	0.15
108-10-1	methyl isobutyl ketone	100.16	ND		2.0	0.15
108-88-3	Toluene	92.14	4.1		0.75	0.41
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	0.18
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	0.20
127-18-4	Tetrachloroethene	165.83	7.3		1.4	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		2.0	0.20
124-48-1	Dibromochloromethane	208.29	ND		1.7	0.31
106-93-4	1,2-Dibromoethane	187.87	ND		1.5	0.38
108-90-7	Chlorobenzene	112.56	ND		0.92	0.26
100-41-4	Ethylbenzene	106.17	0.99		0.87	0.27
179601-23-1	m,p-Xylene	106.17	4.4		2.2	0.43
95-47-6	Xylene, o-	106.17	0.95		0.87	0.21
1330-20-7	Xylene (total)	106.17	5.3		3.0	0.21
100-42-5	Styrene	104.15	ND		0.85	0.17
75-25-2	Bromoform	252.75	ND		2.1	0.50
98-82-8	Cumene	120.19	ND		0.98	0.17
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	0.29
103-65-1	n-Propylbenzene	120.19	ND		0.98	0.19
622-96-8	4-Ethyltoluene	120.20	ND		0.98	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.98	0.19
95-49-8	2-Chlorotoluene	126.59	ND		1.0	0.22
98-06-6	tert-Butylbenzene	134.22	ND		1.1	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	0.21	J	0.98	0.22
135-98-8	sec-Butylbenzene	134.22	ND		1.1	0.19
99-87-6	4-Isopropyltoluene	134.22	ND		1.1	0.21
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.2	0.66
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.2	0.72

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7

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SV-DUP-021420 Lab Sample ID: 200-52685-7
 Matrix: Air Lab File ID: 40114-10.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:05
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 14:49
 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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		1.0	0.44
104-51-8	n-Butylbenzene	134.22	ND		1.1	0.21
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	0.58
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3.7	1.6
87-68-3	Hexachlorobutadiene	260.76	ND		2.1	0.81
91-20-3	Naphthalene	128.17	ND		2.6	0.89

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7DL

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.:
Client Sample ID: SV-DUP-021420 DL Lab Sample ID: 200-52685-7 DL
Matrix: Air Lab File ID: 40114-11.D
Analysis Method: TO-15 Date Collected: 02/14/2020 11:05
Sample wt/vol: 10(mL) Date Analyzed: 02/21/2020 15:39
Soil Aliquot Vol: Dilution Factor: 20
Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: Level: (low/med) Low
Analysis Batch No.: 152597 Units: ug/m3

Use original

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	ND		49	11
75-45-6	Freon 22	86.47	ND		35	8.5
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		28	4.9
74-87-3	Chloromethane	50.49	ND		21	4.5
106-97-8	n-Butane	58.12	37		24	5.2
75-01-4	Vinyl chloride	62.50	ND		3.1	2.2
106-99-0	1,3-Butadiene	54.09	ND		8.8	2.5
74-83-9	Bromomethane	94.94	ND		16	4.0
75-00-3	Chloroethane	64.52	ND		26	2.8
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		17	4.5
75-69-4	Trichlorofluoromethane	137.37	ND		22	6.7
76-13-1	Freon TF	187.38	ND		31	5.8
75-35-4	1,1-Dichloroethene	96.94	ND		16	3.1
67-64-1	Acetone	58.08	150	J	240	57
67-63-0	Isopropyl alcohol	60.10	1500		250	24
75-15-0	Carbon disulfide	76.14	ND		31	4.6
107-05-1	3-Chloropropene	76.53	ND		31	4.0
75-09-2	Methylene Chloride	84.93	ND		35	19
75-65-0	tert-Butyl alcohol	74.12	ND		300	2.3
1634-04-4	Methyl tert-butyl ether	88.15	ND		14	2.4
156-60-5	trans-1,2-Dichloroethene	96.94	ND		16	3.3
110-54-3	n-Hexane	86.17	ND		14	14
75-34-3	1,1-Dichloroethane	98.96	ND		16	3.3
78-93-3	Methyl Ethyl Ketone	72.11	ND		29	4.2
156-59-2	cis-1,2-Dichloroethene	96.94	ND		16	3.6
540-59-0	1,2-Dichloroethene, Total	96.94	ND		32	3.3
67-66-3	Chloroform	119.38	ND		20	3.1
109-99-9	Tetrahydrofuran	72.11	ND		290	3.9
71-55-6	1,1,1-Trichloroethane	133.41	ND		22	3.9
110-82-7	Cyclohexane	84.16	ND		14	3.2
56-23-5	Carbon tetrachloride	153.81	ND		7.5	3.0
540-84-1	2,2,4-Trimethylpentane	114.23	ND		19	3.8
71-43-2	Benzene	78.11	ND		13	4.3
107-06-2	1,2-Dichloroethane	98.96	ND		16	2.6

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7DL

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SV-DUP-021420 DL Lab Sample ID: 200-52685-7 DL
 Matrix: Air Lab File ID: 40114-11.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 11:05
 Sample wt/vol: 10(mL) Date Analyzed: 02/21/2020 15:39
 Soil Aliquot Vol: _____ Dilution Factor: 20
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 152597 Units: ug/m3

Use original

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	ND		16	4.6
79-01-6	Trichloroethene	131.39	ND		6.4	3.8
80-62-6	Methyl methacrylate	100.12	ND		41	2.7
78-87-5	1,2-Dichloropropane	112.99	ND		18	3.1
123-91-1	1,4-Dioxane	88.11	ND		360	6.1
75-27-4	Bromodichloromethane	163.83	ND		27	4.7
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		18	2.9
108-10-1	methyl isobutyl ketone	100.16	ND		41	2.9
108-88-3	Toluene	92.14	ND		15	8.3
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		18	3.5
79-00-5	1,1,2-Trichloroethane	133.41	ND		22	3.9
127-18-4	Tetrachloroethene	165.83	ND		27	4.5
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		41	3.9
124-48-1	Dibromochloromethane	208.29	ND		34	6.1
106-93-4	1,2-Dibromoethane	187.87	ND		31	7.5
108-90-7	Chlorobenzene	112.56	ND		18	5.2
100-41-4	Ethylbenzene	106.17	ND		17	5.5
179601-23-1	m,p-Xylene	106.17	ND		43	8.7
95-47-6	Xylene, o-	106.17	ND		17	4.2
1330-20-7	Xylene (total)	106.17	ND		61	4.2
100-42-5	Styrene	104.15	ND		17	3.4
75-25-2	Bromoform	252.75	ND		41	9.9
98-82-8	Cumene	120.19	ND		20	3.4
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		27	5.8
103-65-1	n-Propylbenzene	120.19	ND		20	3.8
622-96-8	4-Ethyltoluene	120.20	ND		20	4.0
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		20	3.8
95-49-8	2-Chlorotoluene	126.59	ND		21	4.3
98-06-6	tert-Butylbenzene	134.22	ND		22	3.8
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		20	4.3
135-98-8	sec-Butylbenzene	134.22	ND		22	3.8
99-87-6	4-Isopropyltoluene	134.22	ND		22	4.3
541-73-1	1,3-Dichlorobenzene	147.00	ND		24	13
106-46-7	1,4-Dichlorobenzene	147.00	ND		24	14

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7DL

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.: _____
Client Sample ID: SV-DUP-021420 DL Lab Sample ID: 200-52685-7 DL
Matrix: Air Lab File ID: 40114-11.D
Analysis Method: TO-15 Date Collected: 02/14/2020 11:05
Sample wt/vol: 10(mL) Date Analyzed: 02/21/2020 15:39
Soil Aliquot Vol.: _____ Dilution Factor: 20
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 152597 Units: ug/m3

use original

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		21	8.8
104-51-8	n-Butylbenzene	134.22	ND		22	4.3
95-50-1	1,2-Dichlorobenzene	147.00	ND		24	12
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		74	33
87-68-3	Hexachlorobutadiene	260.76	ND		43	16
91-20-3	Naphthalene	128.17	ND		52	18

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Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.: _____
Client Sample ID: SS-SV-07-021420 Lab Sample ID: 200-52685-8
Matrix: Air Lab File ID: 40114-09.D
Analysis Method: TO-15 Date Collected: 02/14/2020 10:10
Sample wt/vol: 200(mL) Date Analyzed: 02/21/2020 13:59
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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.4		2.5	0.54
75-45-6	Freon 22	86.47	1.9		1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	0.24
74-87-3	Chloromethane	50.49	1.2		1.0	0.23
106-97-8	n-Butane	58.12	16		1.2	0.26
75-01-4	Vinyl chloride	62.50	ND		0.15	0.11
106-99-0	1,3-Butadiene	54.09	ND		0.44	0.13
74-83-9	Bromomethane	94.94	ND		0.78	0.20
75-00-3	Chloroethane	64.52	ND		1.3	0.14
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.87	0.23
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1	0.34
76-13-1	Freon TF	187.38	0.49	J	1.5	0.29
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	0.15
67-64-1	Acetone	58.08	13		12	2.9
67-63-0	Isopropyl alcohol	60.10	15		12	1.2
75-15-0	Carbon disulfide	76.14	ND		1.6	0.23
107-05-1	3-Chloropropene	76.53	ND		1.6	0.20
75-09-2	Methylene Chloride	84.93	ND		1.7	0.94
75-65-0	tert-Butyl alcohol	74.12	0.57	J	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.72	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	1.8		0.79	0.17
110-54-3	n-Hexane	86.17	ND		0.70	0.70
75-34-3	1,1-Dichloroethane	98.96	ND		0.81	0.17
78-93-3	Methyl Ethyl Ketone	72.11	2.3		1.5	0.21
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.79	0.18
540-59-0	1,2-Dichloroethene, Total	96.94	1.8		1.6	0.17
67-66-3	Chloroform	119.38	0.17	J	0.98	0.16
109-99-9	Tetrahydrofuran	72.11	ND		15	0.19
71-55-6	1,1,1-Trichloroethane	133.41	ND		1.1	0.20
110-82-7	Cyclohexane	84.16	0.16	J	0.69	0.16
56-23-5	Carbon tetrachloride	153.81	0.43		0.38	0.15
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	0.19
71-43-2	Benzene	78.11	0.46	J	0.64	0.21
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	0.13

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Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SS-SV-07-021420 Lab Sample ID: 200-52685-8
 Matrix: Air Lab File ID: 40114-09.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 10:10
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 13:59
 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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	ND		0.82	0.23
79-01-6	Trichloroethene	131.39	ND		0.32	0.19
80-62-6	Methyl methacrylate	100.12	ND		2.0	0.14
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.15
123-91-1	1,4-Dioxane	88.11	ND		18	0.30
75-27-4	Bromodichloromethane	163.83	ND		1.3	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	0.15
108-10-1	methyl isobutyl ketone	100.16	ND		2.0	0.15
108-88-3	Toluene	92.14	1.3		0.75	0.41
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	0.18
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	0.20
127-18-4	Tetrachloroethene	165.83	ND		1.4	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		2.0	0.20
124-48-1	Dibromochloromethane	208.29	ND		1.7	0.31
106-93-4	1,2-Dibromoethane	187.87	ND		1.5	0.38
108-90-7	Chlorobenzene	112.56	ND		0.92	0.26
100-41-4	Ethylbenzene	106.17	0.36	J	0.87	0.27
179601-23-1	m,p-Xylene	106.17	0.99	J	2.2	0.43
95-47-6	Xylene, o-	106.17	0.26	J	0.87	0.21
1330-20-7	Xylene (total)	106.17	1.3	J	3.0	0.21
100-42-5	Styrene	104.15	ND		0.85	0.17
75-25-2	Bromoform	252.75	ND		2.1	0.50
98-82-8	Cumene	120.19	ND		0.98	0.17
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	0.29
103-65-1	n-Propylbenzene	120.19	ND		0.98	0.19
622-96-8	4-Ethyltoluene	120.20	ND		0.98	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.98	0.19
95-49-8	2-Chlorotoluene	126.59	ND		1.0	0.22
98-06-6	tert-Butylbenzene	134.22	ND		1.1	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.98	0.22
135-98-8	sec-Butylbenzene	134.22	ND		1.1	0.19
99-87-6	4-Isopropyltoluene	134.22	ND		1.1	0.21
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.2	0.66
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.2	0.72

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Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: SS-SV-07-021420 Lab Sample ID: 200-52685-8
 Matrix: Air Lab File ID: 40114-09.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 10:10
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 13:59
 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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		1.0	0.44
104-51-8	n-Butylbenzene	134.22	ND		1.1	0.21
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	0.58
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3.7	1.6
87-68-3	Hexachlorobutadiene	260.76	ND		2.1	0.81
91-20-3	Naphthalene	128.17	ND		2.6	0.89

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Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.: _____
Client Sample ID: IA-07-021420 Lab Sample ID: 200-52685-9
Matrix: Air Lab File ID: 40114-05.D
Analysis Method: TO-15 Date Collected: 02/14/2020 10:35
Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 10:40
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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.3	J	2.5	0.54
75-45-6	Freon 22	86.47	1.3	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	0.24
74-87-3	Chloromethane	50.49	1.3		1.0	0.23
106-97-8	n-Butane	58.12	16		1.2	0.26
75-01-4	Vinyl chloride	62.50	ND		0.15	0.11
106-99-0	1,3-Butadiene	54.09	ND		0.44	0.13
74-83-9	Bromomethane	94.94	ND		0.78	0.20
75-00-3	Chloroethane	64.52	ND		1.3	0.14
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.87	0.23
75-69-4	Trichlorofluoromethane	137.37	1.2		1.1	0.34
76-13-1	Freon TF	187.38	0.49	J	1.5	0.29
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	0.15
67-64-1	Acetone	58.08	7.8	J	12	2.9
67-63-0	Isopropyl alcohol	60.10	13		12	1.2
75-15-0	Carbon disulfide	76.14	0.27	J	1.6	0.23
107-05-1	3-Chloropropene	76.53	ND		1.6	0.20
75-09-2	Methylene Chloride	84.93	ND		1.7	0.94
75-65-0	tert-Butyl alcohol	74.12	0.25	J	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.72	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	1.7		0.79	0.17
110-54-3	n-Hexane	86.17	ND		0.70	0.70
75-34-3	1,1-Dichloroethane	98.96	ND		0.81	0.17
78-93-3	Methyl Ethyl Ketone	72.11	2.6		1.5	0.21
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.79	0.18
540-59-0	1,2-Dichloroethene, Total	96.94	1.7		1.6	0.17
67-66-3	Chloroform	119.38	0.18	J	0.98	0.16
109-99-9	Tetrahydrofuran	72.11	ND		15	0.19
71-55-6	1,1,1-Trichloroethane	133.41	ND		1.1	0.20
110-82-7	Cyclohexane	84.16	ND		0.69	0.16
56-23-5	Carbon tetrachloride	153.81	0.34	J	0.38	0.15
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	0.19
71-43-2	Benzene	78.11	0.44	J	0.64	0.21
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	0.13

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Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: IA-07-021420 Lab Sample ID: 200-52685-9
 Matrix: Air Lab File ID: 40114-05.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 10:35
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 10:40
 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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	ND		0.82	0.23
79-01-6	Trichloroethene	131.39	ND		0.32	0.19
80-62-6	Methyl methacrylate	100.12	ND		2.0	0.14
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.15
123-91-1	1,4-Dioxane	88.11	ND		18	0.30
75-27-4	Bromodichloromethane	163.83	ND		1.3	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	0.15
108-10-1	methyl isobutyl ketone	100.16	ND		2.0	0.15
108-88-3	Toluene	92.14	1.2		0.75	0.41
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	0.18
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	0.20
127-18-4	Tetrachloroethene	165.83	ND		1.4	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		2.0	0.20
124-48-1	Dibromochloromethane	208.29	ND		1.7	0.31
106-93-4	1,2-Dibromoethane	187.87	ND		1.5	0.38
108-90-7	Chlorobenzene	112.56	ND		0.92	0.26
100-41-4	Ethylbenzene	106.17	ND		0.87	0.27
179601-23-1	m,p-Xylene	106.17	0.61	J	2.2	0.43
95-47-6	Xylene, o-	106.17	ND		0.87	0.21
1330-20-7	Xylene (total)	106.17	0.61	J	3.0	0.21
100-42-5	Styrene	104.15	ND		0.85	0.17
75-25-2	Bromoform	252.75	ND		2.1	0.50
98-82-8	Cumene	120.19	ND		0.98	0.17
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	0.29
103-65-1	n-Propylbenzene	120.19	ND		0.98	0.19
622-96-8	4-Ethyltoluene	120.20	ND		0.98	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.98	0.19
95-49-8	2-Chlorotoluene	126.59	ND		1.0	0.22
98-06-6	tert-Butylbenzene	134.22	ND		1.1	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.98	0.22
135-98-8	sec-Butylbenzene	134.22	ND		1.1	0.19
99-87-6	4-Isopropyltoluene	134.22	ND		1.1	0.21
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.2	0.66
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.2	0.72

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Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: IA-07-021420 Lab Sample ID: 200-52685-9
 Matrix: Air Lab File ID: 40114-05.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 10:35
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 10:40
 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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		1.0	0.44
104-51-8	n-Butylbenzene	134.22	ND		1.1	0.21
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	0.58
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3.7	1.6
87-68-3	Hexachlorobutadiene	260.76	ND		2.1	0.81
91-20-3	Naphthalene	128.17	ND		2.6	0.89

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Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.: _____
Client Sample ID: AA-03-021420 Lab Sample ID: 200-52685-10
Matrix: Air Lab File ID: 40114-06.D
Analysis Method: TO-15 Date Collected: 02/14/2020 09:50
Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.7		2.5	0.54
75-45-6	Freon 22	86.47	1.5	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	0.24
74-87-3	Chloromethane	50.49	1.4		1.0	0.23
106-97-8	n-Butane	58.12	3.3		1.2	0.26
75-01-4	Vinyl chloride	62.50	ND		0.15	0.11
106-99-0	1,3-Butadiene	54.09	0.15	J	0.44	0.13
74-83-9	Bromomethane	94.94	ND		0.78	0.20
75-00-3	Chloroethane	64.52	ND		1.3	0.14
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.87	0.23
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1	0.34
76-13-1	Freon TF	187.38	0.50	J	1.5	0.29
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	0.15
67-64-1	Acetone	58.08	5.5	J	12	2.9
67-63-0	Isopropyl alcohol	60.10	ND		12	1.2
75-15-0	Carbon disulfide	76.14	ND		1.6	0.23
107-05-1	3-Chloropropene	76.53	ND		1.6	0.20
75-09-2	Methylene Chloride	84.93	ND		1.7	0.94
75-65-0	tert-Butyl alcohol	74.12	0.20	J	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.72	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.79	0.17
110-54-3	n-Hexane	86.17	ND		0.70	0.70
75-34-3	1,1-Dichloroethane	98.96	ND		0.81	0.17
78-93-3	Methyl Ethyl Ketone	72.11	0.87	J	1.5	0.21
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.79	0.18
540-59-0	1,2-Dichloroethene, Total	96.94	ND		1.6	0.17
67-66-3	Chloroform	119.38	ND		0.98	0.16
109-99-9	Tetrahydrofuran	72.11	ND		15	0.19
71-55-6	1,1,1-Trichloroethane	133.41	ND		1.1	0.20
110-82-7	Cyclohexane	84.16	ND		0.69	0.16
56-23-5	Carbon tetrachloride	153.81	0.38		0.38	0.15
540-84-1	2,2,4-Trimethylpentane	114.23	0.25	J	0.93	0.19
71-43-2	Benzene	78.11	0.78		0.64	0.21
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	0.13

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Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
SDG No.: _____
Client Sample ID: AA-03-021420 Lab Sample ID: 200-52685-10
Matrix: Air Lab File ID: 40114-06.D
Analysis Method: TO-15 Date Collected: 02/14/2020 09:50
Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	ND		0.82	0.23
79-01-6	Trichloroethene	131.39	ND		0.32	0.19
80-62-6	Methyl methacrylate	100.12	ND		2.0	0.14
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.15
123-91-1	1,4-Dioxane	88.11	ND		18	0.30
75-27-4	Bromodichloromethane	163.83	ND		1.3	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	0.15
108-10-1	methyl isobutyl ketone	100.16	ND		2.0	0.15
108-88-3	Toluene	92.14	1.2		0.75	0.41
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	0.18
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	0.20
127-18-4	Tetrachloroethene	165.83	ND		1.4	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		2.0	0.20
124-48-1	Dibromochloromethane	208.29	ND		1.7	0.31
106-93-4	1,2-Dibromoethane	187.87	ND		1.5	0.38
108-90-7	Chlorobenzene	112.56	ND		0.92	0.26
100-41-4	Ethylbenzene	106.17	ND		0.87	0.27
179601-23-1	m,p-Xylene	106.17	0.76	J	2.2	0.43
95-47-6	Xylene, o-	106.17	ND		0.87	0.21
1330-20-7	Xylene (total)	106.17	0.74	J	3.0	0.21
100-42-5	Styrene	104.15	ND		0.85	0.17
75-25-2	Bromoform	252.75	ND		2.1	0.50
98-82-8	Cumene	120.19	ND		0.98	0.17
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	0.29
103-65-1	n-Propylbenzene	120.19	ND		0.98	0.19
622-96-8	4-Ethyltoluene	120.20	ND		0.98	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.98	0.19
95-49-8	2-Chlorotoluene	126.59	ND		1.0	0.22
98-06-6	tert-Butylbenzene	134.22	ND		1.1	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.98	0.22
135-98-8	sec-Butylbenzene	134.22	ND		1.1	0.19
99-87-6	4-Isopropyltoluene	134.22	ND		1.1	0.21
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.2	0.66
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.2	0.72

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Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52685-1
 SDG No.: _____
 Client Sample ID: AA-03-021420 Lab Sample ID: 200-52685-10
 Matrix: Air Lab File ID: 40114-06.D
 Analysis Method: TO-15 Date Collected: 02/14/2020 09:50
 Sample wt/vol: 200 (mL) Date Analyzed: 02/21/2020 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.: 152597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	ND		1.0	0.44
104-51-8	n-Butylbenzene	134.22	ND		1.1	0.21
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	0.58
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3.7	1.6
87-68-3	Hexachlorobutadiene	260.76	ND		2.1	0.81
91-20-3	Naphthalene	128.17	ND		2.6	0.89