VAPOR INTRUSION INVESTIGATION
SUMMARY REPORT

FOR

245 WEST 55TH ST LLC
245 WEST 55TH STREET
BLOCK 1027, LOT 7
NEW YORK, NEW YORK
EL PROJECT NUMBER 23-0001

NYSDEC SITE NO.: C231157

SEPTEMBER 2024
REVISED NOVEMBER 2024

CERTIFICATION

I, Erik White, certify that I am currently a NYS registered professional engineer as defined in 6 NYCRR Part 375 and that this Report (the November 2024 Vapor Intrusion Investigation Summary Report) was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

Erik D. White

Erik D. White, PE
NYS PE License No. 083641
65 Union Street, Unit 34
Montclair, NJ 07042



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ATTACHMENTS

1. Vapor Intrusion Investigation Workplan (VIWP), dated March 2024
2. VIWP Approval from NYSDEC, dated March 22, 2024
3. April 2024 Completed VI Guidance Indoor Air Quality Questionnaire/Building Inventory Sheets
4. April 2024 Investigation Photolog
5. April 2024 Investigation Laboratory Analytical Report
6. April 2024 Investigation Data Usability Summary Report
7. Passive Vapor Intrusion Mitigation System Plans, prepared by Clean Vapor, LLC

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1.0 INTRODUCTION

This Soil Vapor Intrusion Investigation Summary Report was prepared on behalf of 245 WEST 55TH ST LLC to document additional vapor intrusion (VI) investigations at the Site located at 245 West 55th Street (Block 1027, Lot 7), located in New York, New York (herein referred to as the "Site"). 245 WEST 55TH ST LLC is enrolled as a Volunteer in the New York State Brownfield Cleanup Program (BCP), pursuant to the Brownfield Cleanup Agreement (BCA) number C231157. Erik White PE (PE License No. 083641, Certificate of Authorization No. 020890) was retained by 245 WEST 55TH ST LLC to directly oversee and certify the work performed by Environmental Logic detailed in this Report.

Of note, the building is undergoing renovation. Based on the results presented herein and prior VI investigation results, a sub-slab depressurization system and vapor barrier will be installed as part of the renovation activities to mitigate potential vapor intrusion. A separate VI Interim Remedial Measures (IRM) Workplan will be submitted detailing the vapor barrier and VI mitigation system design in accordance with NYSDEC e-mail dated August 20, 2024.

As detailed in the attachments to the Brownfields Cleanup Application package, soil vapor intrusion (VI) sampling was first conducted in October 2022. Chlorinated volatile organic compounds (CVOCs) were detected in sub-slab soil gas samples and indoor air samples collected throughout the basement of the on-Site building. Results indicated that the compound 1,1,1-TCA was the CVOC detected at the highest concentration. 1,1,1-TCA is a compound historically associated with the cleaning of photographic films, and the presence of this compound in soil vapor and indoor air is likely due to historical Site usage for this purpose.

Based on review of the October 2022 VI data, the New York State Department of Environmental Conservation (NYSDEC) and New York State Department of Health (NYSDOH) requested that additional VI evaluation be conducted. A Vapor Intrusion Investigation Workplan (VIWP) was prepared and submitted to NYSDEC in March 2024 (Attachment 1). This VIWP proposed a scope of work to conduct additional VI investigation at prior sampling locations and at additional locations requested by NYSDEC and NYSDOH. NYSDEC approved the VIWP on March 22, 2024, via email correspondence (Attachment 2).

This VI Investigation Summary Report details the results of the sampling event conducted in April 2024 and completed in accordance with the NYSDEC-approved VIWP.

2.0 SITE INFORMATION AND BACKGROUND

2.1 Site Location and Setting

The Site is located in a Commercial District in Manhattan, approximately 1,000 feet southwest of Central Park. The Site is bordered to the north, east, and west by mixed-use commercial/residential properties, and is bordered to the south by West 55th Street and additional mixed-use commercial/residential properties.

The Site elevation is generally flat. A United States Geological Survey (USGS) 7.5-minute topographic map showing the Site location and surrounding area is provided on Figure 1.

The property is a rectangle-shaped parcel comprised of 0.14 acres and identified on tax maps of Manhattan NY as Block 1027, Lot 7. The Site is currently owned by 245 WEST 55TH ST LLC.

2.2 Site Geology and Hydrogeology

Based on soil sampling conducted by Environmental Logic (EL) in January and February 2023, shallow soils consisted of sands and silty sands with clay content increasing with depth. One soil boring was advanced to the presumed depth of bedrock, approximately 35 feet below the basement floor (i.e., approximately 48 to 50 feet below grade). Bedrock observed in this boring consisted of weathered schist at approximately 32.5 feet below the basement floor. Bedrock underlying the site consists of the Hartland Formation, which is comprised of a dark grey, medium- to coarse-grained muscovite-biotite-garnet (mica) schist and grey fine-grained quartz feldspar granulite biotite and garnet, with localized concentrations of granite and intrusions of coarse-grained granitic pegmatite. Based on ground water sampling conducted by EL in January 2023, ground water at the Site was encountered at approximately 27 feet below grade.

2.3 Site Features and Use

The Site is fully developed with a 12-story commercial and office building with a basement. The Site is currently vacant and is undergoing renovation for future residential use.

The Site was formerly owned and utilized by DuArt Media Services/DuArt Film Labs (DuArt) for cinematographic film cleaning and film processing from approximately 1922 through 2011. Film production including voiceover work, audio recording, and film editing continued to take place at the Site until 2021. Past operations included cinematographic film cleaning operations which

utilized cleaning and degreasing compounds including the chlorinated volatile organic compounds (CVOCs) tetrachloroethene (PCE), and 1,1,1-trichloroethane (1,1,1-TCA) to remove dirt, grease, and minor scratches from film negatives prior to print.

A Site Map is included as Figure 2.

3.0 VAPOR INTRUSION INVESTIGATION SAMPLING – APRIL 2024

The objective of this Vapor Intrusion Investigation was to evaluate the VI pathway and potential VI risk at the Site. In accordance with the NYSDEC approved VIWP, the vapor intrusion investigation included concurrently collecting vapor/air samples from basement indoor air, basement sub-slab soil gas, outdoor ambient air, and outdoor soil vapor. The scope of work included the following:

- The completion of Site reconnaissance, which included reviewing property conditions and conducting a building inventory for indoor locations prior to sample collection.
- The installation of a total of eight (8) temporary soil gas monitoring points (6 sub-slab soil gas and 2 soil vapor).
- The collection of six (6) indoor air samples paired with 6 indoor sub-slab soil gas samples.
- The collection of two (2) outdoor ambient air samples paired with 2 outside soil vapor samples.

Sampling activities were conducted in accordance with the NYSDOH's Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH 2006, rev. 2024). Per the NYSDOH Guidance, sub-slab vapor samples and indoor air samples are typically collected during the heating season because soil vapor intrusion is more likely to occur when a building's heating system is in operation with doors and windows closed. In New York State, heating systems are generally expected to be operating routinely from November 15th to March 31st.

Sampling activities were conducted April 9-10, 2024, based on the timing of NYSDEC approval of the VIWP on March 22, 2024, and subsequent coordination necessary for access to the Site building. NYSDEC and NYSDOH were notified of the sampling dates prior to sample collection. The building heating system has not been in operation due to the ongoing demolition/construction work in the building and was not operating during the sampling event. Review of this data indicates that while sampling was conducted outside of the NYSDOH heating season, the data is sufficient for the assessment of potential vapor intrusion at the Site. This is largely due to the fact that assessment of the data indicates mitigation is required.

Sample locations are shown in Figure 3.

3.1 Building Interior Inspection

An inspection of the existing Site building was performed to identify potential vapor intrusion pathways and to confirm appropriate sample locations. The Site was inspected to evaluate the physical layout and to identify conditions or materials stored and/or used that may affect or interfere with the sampling or interpretation of the sampling results.

Field personnel completed the Indoor Air Quality Questionnaire and Building Inventory sheet provided in the NYSDOH SVI Guidance. A copy of the completed questionnaire for the Site building is provided as Attachment 3. This was completed while evaluating slab perforations, obtaining information on building space use, evaluating the operating conditions of the heating/ventilation/air conditioning system, and identifying the type and location of chemical products that could influence indoor air results. Field personnel identified and documented any preferential pathways (cracks, perforations, sumps, drains, etc.) in the basement walls and the slab.

A partially open air-vent and minor cracks were observed in the walls between the basement interior and the outdoor courtyard located to the northeast corner of the basement. Minor cracks were observed in the basement floor. The locations of the cracks are indicated in Figure 3.

A product inventory was conducted to assess the current conditions in the proposed sampling locations and determine the likelihood of existing chemicals of concern that could potentially influence the sample results. An RKI GX-6000 a photoionization detector (PID) calibrated with Isobutylene was used to monitor indoor air and scan vapors of individual containers that were observed to be present. None of the products identified and scanned with the PID indicated elevated readings. No elevated background PID readings were detected throughout the basement. Therefore, no containers were removed prior to sampling.

A decommissioned aboveground heating oil tank was observed in the vicinity of the sample location SSG-5/IA-5. The tank was previously emptied and cleaned. The interior of cut-open tank was scanned with a PID, which indicated a reading of 2.0 ppm above background.

3.2 Sampling Activities

The April 2024 VI investigation samples were collected in accordance with the sampling procedures and the locations proposed in the NYSDEC-approved VIWP. A copy of the VIWP detailing the procedures followed is included as Attachment 1. Sampling trains were assembled and installed in accordance with the VIWP and a helium tracer gas test was performed as a leak test methodology to evaluate sample equipment integrity at each location. The helium leak testing successfully confirmed sample train integrity at all locations prior to initiating sample collection.

In accordance with the VIWP, paired building indoor air samples were collected concurrently (over the same 8-hour period) and collocated with the sub-slab soil gas sample points. This includes the sample pairs SSG-1 and IA-1, SSG-2 and IA-2, SSG-3 and IA-3, SSG-4 and IA-4, SSG-5 and IA-5, and SSG-6 and IA-6.

Ambient air samples collocated with the exterior soil vapor samples were also collected over the same 8-hour period as the indoor air and sub-slab samples. Samples SSG-7 and AA-7 are located outdoors in the courtyard located in the rear of the Site building. Samples SSG-8 and AA-8 are located outside immediately in front of the Site building. As this location is an active sidewalk, the Summa canisters were kept secure just inside the building door with a section of tubing attached to the flow controllers to lead outside to the soil vapor point (SSG-8) and the ambient air (AA-8) (see Attachment 4 Photos 11 and 12).

Indoor air and ambient air samples were collected from an intake height of approximately 4 to 5 feet above the floor-slab/ground. All samples were collected using a 6-liter capacity Summa canister, each fitted with a laboratory-supplied flow controller calibrated to collect the sample over an 8-hour collection period.

Sample locations are shown in Figure 3. Photographs taken during the April 2024 sampling event are presented in Attachment 4.

3.3 Vapor Intrusion Analytical Results

All vapor samples were collected using batch-certified, pre-cleaned 6-liter Summa canisters with laboratory-provided calibrated regulators. For each sample, the initial vacuum, final vacuum, sample collection start time and end times were recorded on the chain of custody. Samples were shipped under chain of custody and analyzed by Alpha Analytical, Mansfield, MA a NYSDOH Environmental Laboratory Approval Program (ELAP ID 11627) certified laboratory using USEPA Analytical Method TO-15 for VOCs. Data was produced in accordance with NYSDEC ASP Category B deliverables. The full laboratory analytical data package is provided in Attachment 5.

The NYSDOH SVI Guidance document lists specific Air Guideline Values (AGV) for limited compounds, as presented in Table 3.1 of the NYSDOH document. Air guideline values apply to both indoor and outdoor ambient air; however, NYSDOH does not have specific air guidelines for sub-slab vapor concentrations. Current applicable air guideline values for volatile organic compounds (VOCs) are presented below:

Compound	Air Guideline Value ($\mu g/m^3$)
Methylene chloride	60
Tetrachloroethene (PCE)	30
Trichloroethene (TCE)	2

Detections of PCE and TCE were below the AGV for all indoor air samples. In the two outdoor ambient air samples, PCE and TCE were not detected above the laboratory reporting limits.

Sample locations are shown in Figure 3. Analytical results are shown in Table 1. Results for compounds included in the NYSDOH Soil Vapor/Indoor Air (SV/IA) decision matrices are presented in Table 2.

3.4 Vapor Intrusion Sample Decision Matrix

NYSDOH developed decision matrices to provide guidance about actions to address current or potential exposures related to soil vapor intrusion. Actions recommended in the matrix are based on the relationship between sub-slab soil gas concentrations and corresponding indoor air concentrations. NYSDOH promulgated updated Soil Vapor/Indoor Air (SV/IA) decision matrices in May 2017 and February 2024. Volatile organic compounds (VOCs) are assigned to six (6) different matrices, as follows:

Matrix A	1,1-Dichloroethene (1,1-DCE); Carbon tetrachloride; cis-1,2-dichloroethene (cis-1,2-DCE); Trichloroethene (TCE)
Matrix B	1,1,1-Trichloroethane (1,1,1-TCA); Methylene Chloride (MC); Tetrachloroethylene (PCE)
Matrix C	Vinyl Chloride (VC)
Matrix D	1,2,4-Trimethylbenzene (1,2,4-TMB); 1,3,5-Trimethylbenzene (1,3,5-TMB); 2,2,4-Trimethylpentane (2,2,4-TMP); Benzene; Cyclohexane; Ethylbenzene; Naphthalene; *o*-xylene
Matrix E	Heptane; Hexane; *p/m*-Xylene
Matrix F	Toluene

The April 2024 sub-slab soil gas and indoor/ambient air samples were compared to the NYSDOH Guidance SV/IA Matrices. This comparison is presented in Table 2. Sample locations are shown in Figure 3. The full analytical results are presented in Table 1. A narrative summary of the results is provided below.

EL reviewed the decision matrices and the results comparison. Based on the decision matrices, no further action is required for the following compounds:

Matrix A	Carbon tetrachloride
Matrix D	1,2,4-Trimethylbenzene (1,2,4-TMB); 1,3,5-Trimethylbenzene (1,3,5-TMB); 2,2,4-Trimethylpentane (2,2,4-TMP); Benzene; Cyclohexane; Ethylbenzene; Naphthalene; *o*-xylene
Matrix E	Heptane; *p/m*-Xylene
Matrix F	Toluene

Based on the decision matrices, the analytical results for one compound (Hexane), and location (SSG-5/IA-5) would trigger the requirement for on-going monitoring. Hexane was detected at a concentration of 287 $\mu g/m^3$ in soil vapor (SSG-5) and 6.34 $\mu g/m^3$ in indoor air (IA-5).

Based on the results for two (2) locations (SSG-1/IA-1 and SSG-6/IA-6) the VI decision matrices recommend mitigation with respect to five (5) compounds, as detailed below.

1,1-Dichloroethene (1,1-DCE)

1,1-DCE was detected in four (4) of the sub-slab soil gas samples at concentrations ranging from 1.2 μg/m^3 at SSG-2 to 440 μg/m^3 at SSG-1. However, 1,1-DCE was not detected in any of the indoor or ambient air samples. Based on the soil vapor concentration of 440 μg/m^3, the decision matrix from NYSDOH guidance indicates this location (SSG-1/IA-1) would require mitigation.

Cis-1,2-dichloroethene (cis-1,2-DCE)

Cis-1,2-DCE was detected in four (4) of the sub-slab soil gas samples at concentrations ranging from 1.28 μg/m^3 at SSG-5 to 4,200 μg/m^3 at SSG-6. Cis-1,2-DCE was also detected in the exterior courtyard soil vapor sample (SSG-7) at a concentration of 1.39 μg/m^3. Cis-1,2-DCE was detected in two (2) of the indoor air samples at concentrations of 0.091 μg/m^3 at IA-1 and 0.079 μg/m^3 at IA-2. Based on the soil vapor concentrations of 82.5 μg/m^3 at SSG-1 and 4,200 μg/m^3 at SSG-6, the decision matrix indicates these two locations (SSG-1/IA-1 and SSG-6/IA-6) would require mitigation.

Trichloroethene (TCE)

TCE was detected in three (3) of the sub-slab soil gas samples at concentrations ranging from 5.24 μg/m^3 at SSG-2 to 161 μg/m^3 at SSG-1. TCE was detected in seven (7) of the indoor/ambient air samples at concentrations ranging from 0.107 μg/m^3 at AA-7 (outdoor ambient sample) to 0.167 μg/m^3 at IA-2. Based on the soil vapor concentrations of 161 μg/m^3 at SSG-1 and 90.8 μg/m^3 at SSG-6, the decision matrix indicates these two locations (SSG-1/IA-1 and SSG-6/IA-6) would require mitigation.

1,1,1-Trichloroethane (1,1,1-TCA)

1,1,1-TCA was detected in six (6) of the sub-slab soil gas samples at concentrations ranging from 1.1 μg/m^3 at SSG-7 to 19,600 μg/m^3 at SSG-1. 111-TCA was also detected in the exterior courtyard soil vapor sample (SSG-7) at a concentration of 1.1 μg/m^3.1,1,1-TCA was detected in all eight (8) indoor/ambient air samples at concentrations ranging from 0.333 μg/m^3 at AA-8 (outdoor ambient sample) to 0.917 μg/m^3 at basement indoor air sample IA-1. Based on the soil vapor concentrations of 19,600 μg/m^3 at SSG-1 and 1,190 μg/m^3 at SSG-6, the decision matrix indicates these two locations (SSG-1/IA-1 and SSG-6/IA-6) would require mitigation.

Vinyl Chloride (VC)

VC was detected in one (1) of the sub-slab soil gas samples, SSG-6, at a concentration of 85.9 μg/m^3. However, VC was not detected in any of the indoor or ambient air samples. Based on the soil vapor concentration at SSG-6, the decision matrix indicates this location (SSG-6/IA-6) would require mitigation.

In conclusion, the decision matrices from NYSDOH guidance indicate that the two locations/areas of samples SSG-1/IA-1 and SSG-6/IA-6, would require mitigation.

See Section 4.0 for details about mitigation activities planned for the Site building.

3.5 Data Usability Summary

The analytical data from the vapor/air samples collected in April 2024 were submitted for independent review by a data validator. The Quality Assurance Officer (QAO) for this project is Ms. Jerri Rossi, who completed the data usability summary report (DUSR). The DUSR is provided in Attachment 6. The DUSR was prepared in accordance with the analytical methods, DER Technical Guidance for Site Investigation and Remediation (DER-10), and professional judgment. The following conclusions were made based on the data evaluation:

- No qualification of sample results is made.
- Sample results for volatile organics are determined to be usable as reported.

4.0 CONCLUSIONS

The April 2024 sub-slab soil gas and indoor/ambient air samples were compared to the NYSDOH Guidance SV/IA Matrices. Based on this comparison, the NYSDOH decision matrices indicate that mitigation of potential vapor intrusion is required. These results are consistent with the findings of the VI investigation conducted in 2022.

Based on the results presented herein and prior VI investigation results, a sub-slab depressurization system and vapor barrier will be installed as part of the renovation activities to mitigate potential vapor intrusion across the entire building slab. A separate VI Interim Remedial Measures (IRM) Workplan will be submitted detailing the vapor barrier and VI mitigation system design in accordance with NYSDEC's e-mail dated August 20, 2024. As the Site building is currently under construction, it is intended that the vapor intrusion mitigation system will be installed as part of the renovation activities.

TABLES

TABLE 1

245 West 55th Street
New York, New York
NYSDEC Site No. C231157

Summary of Vapor Intrusion Sampling Results - April 2024

SAMPLE ID:		IA-1			IA-2			IA-3			IA-4			IA-5			IA-6			AA-7			AA-8		
LAB ID:		L2419731-01			L2419731-02			L2419731-03			L2419731-04			L2419731-05			L2419731-06			L2419731-07			L2419731-08		
COLLECTION DATE:		4/10/2024			4/10/2024			4/10/2024			4/10/2024			4/10/2024			4/10/2024			4/10/2024			4/10/2024		
SAMPLE MATRIX:	NYSDOH Air Guideline Value	INDOOR AIR			INDOOR AIR			INDOOR AIR			INDOOR AIR			INDOOR AIR			INDOOR AIR			AMBIENT AIR			AMBIENT AIR		
	($\mu g/m^3$)	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL
VOLATILE ORGANICS IN AIR																									
1,1,1-Trichloroethane	NV	0.917		0.109	0.78		0.109	0.687		0.109	0.72		0.109	0.742		0.109	0.818		0.109	0.376		0.109	0.333		0.109
1,1,2,2-Tetrachloroethane	NV	ND		1.37	ND		1.37	ND		1.37	ND		1.37	ND		1.37	ND		1.37	ND		1.37	ND		1.37
1,1,2-Trichloroethane	NV	ND		1.09	ND		1.09	ND		1.09	ND		1.09	ND		1.09	ND		1.09	ND		1.09	ND		1.09
1,1-Dichloroethane	NV	ND		0.809	ND		0.809	ND		0.809	ND		0.809	ND		0.809	ND		0.809	ND		0.809	ND		0.809
1,1-Dichloroethene	NV	ND		0.079	ND		0.079	ND		0.079	ND		0.079	ND		0.079	ND		0.079	ND		0.079	ND		0.079
1,2,4-Trichlorobenzene	NV	ND		1.48	ND		1.48	ND		1.48	ND		1.48	ND		1.48	ND		1.48	ND		1.48	ND		1.48
1,2,4-Trimethylbenzene	NV	4.57		0.983	3.42		0.983	2.19		0.983	3.17		0.983	4.15		0.983	3.33		0.983	3.09		0.983	5.01		0.983
1,2-Dibromoethane	NV	ND		1.54	ND		1.54	ND		1.54	ND		1.54	ND		1.54	ND		1.54	ND		1.54	ND		1.54
1,2-Dichlorobenzene	NV	ND		1.2	ND		1.2	ND		1.2	ND		1.2	ND		1.2	ND		1.2	ND		1.2	ND		1.2
1,2-Dichloroethane	NV	ND		0.809	ND		0.809	ND		0.809	ND		0.809	ND		0.809	ND		0.809	ND		0.809	ND		0.809
1,2-Dichloropropane	NV	ND		0.924	ND		0.924	ND		0.924	ND		0.924	ND		0.924	ND		0.924	ND		0.924	ND		0.924
1,3,5-Trimethylbenzene	NV	1.17		0.983	ND		0.983	ND		0.983	ND		0.983	1.15		0.983	ND		0.983	ND		0.983	1.33		0.983
1,3-Butadiene	NV	ND		0.442	ND		0.442	ND		0.442	ND		0.442	ND		0.442	ND		0.442	ND		0.442	ND		0.442
1,3-Dichlorobenzene	NV	ND		1.2	ND		1.2	ND		1.2	ND		1.2	ND		1.2	ND		1.2	ND		1.2	ND		1.2
1,4-Dichlorobenzene	NV	ND		1.2	ND		1.2	ND		1.2	ND		1.2	ND		1.2	ND		1.2	ND		1.2	ND		1.2
1,4-Dioxane	NV	ND		0.721	ND		0.721	ND		0.721	ND		0.721	ND		0.721	ND		0.721	ND		0.721	ND		0.721
2,2,4-Trimethylpentane	NV	ND		0.934	ND		0.934	ND		0.934	ND		0.934	ND		0.934	ND		0.934	ND		0.934	ND		0.934
2-Butanone	NV	5.04		1.47	4.31		1.47	4.34		1.47	4.72		1.47	5.22		1.47	4.72		1.47	1.9		1.47	3.66		1.47
2-Hexanone	NV	ND		0.82	ND		0.82	ND		0.82	ND		0.82	ND		0.82	ND		0.82	ND		0.82	ND		0.82
3-Chloropropene	NV	ND		0.626	ND		0.626	ND		0.626	ND		0.626	ND		0.626	ND		0.626	ND		0.626	ND		0.626
4-Ethyltoluene	NV	ND		0.983	ND		0.983	ND		0.983	ND		0.983	ND		0.983	ND		0.983	ND		0.983	ND		0.983
4-Methyl-2-pentanone	NV	ND		2.05	ND		2.05	ND		2.05	ND		2.05	ND		2.05	ND		2.05	ND		2.05	ND		2.05
Acetone	NV	205		2.38	189		2.38	209		2.38	234		2.38	247		2.38	205		2.38	75.1		2.38	108		2.38
Benzene	NV	0.875		0.639	0.882		0.639	0.85		0.639	0.872		0.639	0.895		0.639	0.856		0.639	0.946		0.639	1.11		0.639
Benzyl chloride	NV	ND		1.04	ND		1.04	ND		1.04	ND		1.04	ND		1.04	ND		1.04	ND		1.04	ND		1.04
Bromodichloromethane	NV	ND		1.34	ND		1.34	ND		1.34	ND		1.34	ND		1.34	ND		1.34	ND		1.34	ND		1.34
Bromoform	NV	ND		2.07	ND		2.07	ND		2.07	ND		2.07	ND		2.07	ND		2.07	ND		2.07	ND		2.07
Bromomethane	NV	ND		0.777	ND		0.777	ND		0.777	ND		0.777	ND		0.777	ND		0.777	ND		0.777	ND		0.777
Carbon disulfide	NV	ND		0.623	ND		0.623	ND		0.623	ND		0.623	ND		0.623	ND		0.623	ND		0.623	ND		0.623
Carbon tetrachloride	NV	0.528		0.126	0.484		0.126	0.51		0.126	0.465		0.126	0.497		0.126	0.516		0.126	0.465		0.126	0.503		0.126
Chlorobenzene	NV	ND		0.921	ND		0.921	ND		0.921	ND		0.921	ND		0.921	ND		0.921	ND		0.921	ND		0.921
Chloroethane	NV	ND		0.528	ND		0.528	ND		0.528	ND		0.528	ND		0.528	ND		0.528	ND		0.528	ND		0.528
Chloroform	NV	ND		0.977	ND		0.977	ND		0.977	ND		0.977	ND		0.977	ND		0.977	ND		0.977	ND		0.977
Chloromethane	NV	0.981		0.413	0.997		0.413	0.995		0.413	1.02		0.413	0.995		0.413	1.02		0.413	0.863		0.413	0.977		0.413
cis-1,2-Dichloroethene	NV	0.091		0.079	0.079		0.079	ND		0.079	ND		0.079	ND		0.079	ND		0.079	ND		0.079	ND		0.079
cis-1,3-Dichloropropene	NV	ND		0.908	ND		0.908	ND		0.908	ND		0.908	ND		0.908	ND		0.908	ND		0.908	ND		0.908
Cyclohexane	NV	0.709		0.688	ND		0.688	ND		0.688	ND		0.688	0.723		0.688	ND		0.688	ND		0.688	ND		0.688
Dibromochloromethane	NV	ND		1.7	ND		1.7	ND		1.7	ND		1.7	ND		1.7	ND		1.7	ND		1.7	ND		1.7
Dichlorodifluoromethane	NV	2		0.989	2.19		0.989	2.07		0.989	2.19		0.989	2.1		0.989	2.09		0.989	2.23		0.989	2.13		0.989
Ethanol	NV	65.8		9.42	59.7		9.42	63.3		9.42	61.2		9.42	76.3		9.42	57.7		9.42	62.4		9.42	52.8		9.42
Ethyl Acetate	NV	ND		1.8	2.28		1.8	3.64		1.8	3.17		1.8	ND		1.8	3.5		1.8	ND		1.8	1.93		1.8
Ethylbenzene	NV	0.943		0.869	ND		0.869	ND		0.869	ND		0.869	0.986		0.869	ND		0.869	ND		0.869	1.22		0.869
Freon-113	NV	ND		1.53	ND		1.53	ND		1.53	ND		1.53	ND		1.53	ND		1.53	ND		1.53	ND		1.53
Freon-114	NV	ND		1.4	ND		1.4	ND		1.4	ND		1.4	ND		1.4	ND		1.4	ND		1.4	ND		1.4
Heptane	NV	0.926		0.82	0.865		0.82	0.861		0.82	0.861		0.82	0.934		0.82	0.877		0.82	ND		0.82	1.08		0.82
Hexachlorobutadiene	NV	ND		2.13	ND		2.13	ND		2.13	ND		2.13	ND		2.13	ND		2.13	ND		2.13	ND		2.13
Isopropanol	NV	6.56		1.23	7.1		1.23	8.33		1.23	7.72		1.23	6.34		1.23	7.96		1.23	5.51		1.23	6.42		1.23
Methyl tert butyl ether	NV	ND		0.721	ND		0.721	ND		0.721	ND		0.721	ND		0.721	ND		0.721	ND		0.721	ND		0.721
Methylene chloride	60	ND		1.74	ND		1.74	ND		1.74	ND		1.74	ND		1.74	ND		1.74	ND		1.74	ND		1.74
n-Hexane	NV	6.45		0.705	6.34		0.705	5.5		0.705	7.96		0.705	6.34		0.705	6.2		0.705	2.99		0.705	2.27		0.705
Naphthalene	NV	ND		1.05	ND		1.05	ND		1.05	ND		1.05	ND		1.05	ND		1.05	ND		1.05	ND		1.05
o-Xylene	NV	1.75		0.869	1.44		0.869	1.26		0.869	1.43		0.869	1.79		0.869	1.38		0.869	1.35		0.869	1.98		0.869
p/m-Xylene	NV	3.75		1.74	3.27		1.74	2.83		1.74	3.1		1.74	4.04		1.74	2.98		1.74	3.38		1.74	4.78		1.74
Styrene	NV	ND		0.852	ND		0.852	ND		0.852	ND		0.852	ND		0.852	ND		0.852	ND		0.852	ND		0.852
Tertiary butyl Alcohol	NV	ND		1.52	ND		1.52	ND		1.52	ND		1.52	ND		1.52	ND		1.52	ND		1.52	ND		1.52
Tetrachloroethene	30	1.38		0.136	1.47		0.136	0.929		0.136	1.09		0.136	1.13		0.136	1.31		0.136	0.671		0.136	1.02		0.136
Tetrahydrofuran	NV	11.6		1.47	6.93		1.47	6.87		1.47	6.58		1.47	7.73		1.47	6.96		1.47	3.75		1.47	3.83		1.47
Toluene	NV	2.06		0.754	1.99		0.754	1.91		0.754	1.9		0.754	2.05		0.754	1.85		0.754	1.88		0.754	2.51		0.754
trans-1,2-Dichloroethene	NV	ND		0.793	ND		0.793	ND		0.793	ND		0.793	ND		0.793	ND		0.793	ND		0.793	ND		0.793
trans-1,3-Dichloropropene	NV	ND		0.908	ND		0.908	ND		0.908	ND		0.908	ND		0.908	ND		0.908	ND		0.908	ND		0.908
Trichloroethene	2	0.145		0.107	0.167		0.107	0.118		0.107	0.113		0.107	0.145		0.107	0.15		0.107	ND		0.107	0.107		0.107
Trichlorofluoromethane	NV	1.36		1.12	1.4		1.12	1.39		1.12	1.42		1.12	1.42		1.12	1.42		1.12	1.31		1.12	1.28		1.12
Vinyl bromide	NV	ND		0.874	ND		0.874	ND		0.874	ND		0.874	ND		0.874	ND		0.874	ND		0.874	ND		0.874
Vinyl chloride	NV	ND		0.051	ND		0.051	ND		0.051	ND		0.051	ND		0.051	ND		0.051	ND		0.051	ND		0.051

Notes:

- Highlighted analytes are Compounds of Concern for the Site based on groundwater results.

BOLD - Bolded analytes are included in the NYSDOH Decision Matrices.

Result NYSDOH Air Guideline Value. Applies to indoor air and ambient air sample results only

ND - Non-detect

NV - No Air Guideline Value

* - Indicates a concentration is not a contaminant of concern and is attributed to a background source

Q - Laboratory Qualifier

RL - Reporting Limit

($\mu g/m^3$) - Micrograms per meter cubed

TABLE 1

245 West 55th Street
New York, New York
NYSDEC Site No. C231157

Summary of Vapor Intrusion Sampling Results - April 2024

SAMPLE ID:		SSG-1			SSG-2			SSG-3			SSG-4			SSG-5			SSG-6			SSG-7			SSG-8		
LAB ID:		L2419731-09			L2419731-10			L2419731-11			L2419731-12			L2419731-13			L2419731-14			L2419731-15			L2419731-16		
COLLECTION DATE:		4/10/2024			4/10/2024			4/10/2024			4/10/2024			4/10/2024			4/10/2024			4/10/2024			4/10/2024		
SAMPLE MATRIX:	NYSDOH Air Guideline Value	SUB-SLAB SOIL GAS			SUB-SLAB SOIL GAS			SUB-SLAB SOIL GAS			SUB-SLAB SOIL GAS			SUB-SLAB SOIL GAS			SUB-SLAB SOIL GAS			SOIL VAPOR			SOIL VAPOR		
	($\mu g/m^3$)	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL
VOLATILE ORGANICS IN AIR																									
1,1,1-Trichloroethane	NV	19600		79.1	105		1.09	109		1.09	9.71		1.09	94.9		1.09	1190		15.1	1.1		1.09	ND		1.09
1,1,2,2-Tetrachloroethane	NV	ND		99.6	ND		1.37	ND		1.37	ND		1.37	ND		1.37	ND		19	ND		1.37	ND		1.37
1,1,2-Trichloroethane	NV	ND		79.1	ND		1.09	ND		1.09	ND		1.09	ND		1.09	ND		15.1	ND		1.09	ND		1.09
1,1-Dichloroethane	NV	2360		58.7	5.18		0.809	ND		0.809	ND		0.809	11.8		0.809	94.3		11.2	ND		0.809	ND		0.809
1,1-Dichloroethene	NV	440		57.5	1.2		0.793	ND		0.793	ND		0.793	4		0.793	45.2		10.9	ND		0.793	ND		0.793
1,2,4-Trichlorobenzene	NV	ND		108	ND		1.48	ND		1.48	ND		1.48	ND		1.48	ND		20.5	ND		1.48	ND		1.48
1,2,4-Trimethylbenzene	NV	ND		71.3	3.78		0.983	2.87		0.983	3.73		0.983	23.4		0.983	ND		13.6	1.69		0.983	3.55		0.983
1,2-Dibromoethane	NV	ND		111	ND		1.54	ND		1.54	ND		1.54	ND		1.54	ND		21.2	ND		1.54	ND		1.54
1,2-Dichlorobenzene	NV	ND		87.2	ND		1.2	ND		1.2	ND		1.2	ND		1.2	ND		16.6	ND		1.2	ND		1.2
1,2-Dichloroethane	NV	ND		58.7	ND		0.809	ND		0.809	ND		0.809	1.15		0.809	ND		11.2	ND		0.809	1.82		0.809
1,2-Dichloropropane	NV	ND		67	ND		0.924	ND		0.924	ND		0.924	ND		0.924	ND		12.8	ND		0.924	ND		0.924
1,3,5-Trimethylbenzene	NV	ND		71.3	1.07		0.983	ND		0.983	1.01		0.983	5.95		0.983	ND		13.6	ND		0.983	1.16		0.983
1,3-Butadiene	NV	ND		32.1	ND		0.442	ND		0.442	ND		0.442	ND		0.442	ND		6.11	ND		0.442	ND		0.442
1,3-Dichlorobenzene	NV	ND		87.2	ND		1.2	ND		1.2	ND		1.2	ND		1.2	ND		16.6	ND		1.2	ND		1.2
1,4-Dichlorobenzene	NV	ND		87.2	ND		1.2	ND		1.2	ND		1.2	ND		1.2	ND		16.6	ND		1.2	ND		1.2
1,4-Dioxane	NV	ND		52.3	ND		0.721	ND		0.721	ND		0.721	ND		0.721	ND		9.95	ND		0.721	ND		0.721
2,2,4-Trimethylpentane	NV	ND		67.7	ND		0.934	ND		0.934	ND		0.934	ND		0.934	ND		12.9	ND		0.934	ND		0.934
2-Butanone	NV	ND		107	4.93		1.47	4.95		1.47	5.6		1.47	8.52		1.47	ND		20.4	3.6		1.47	31.9		1.47
2-Hexanone	NV	ND		59.4	ND		0.82	ND		0.82	ND		0.82	ND		0.82	ND		11.3	ND		0.82	ND		0.82
3-Chloropropene	NV	ND		45.4	ND		0.626	ND		0.626	ND		0.626	ND		0.626	ND		8.64	ND		0.626	ND		0.626
4-Ethyltoluene	NV	ND		71.3	ND		0.983	ND		0.983	ND		0.983	3.57		0.983	ND		13.6	ND		0.983	0.993		0.983
4-Methyl-2-pentanone	NV	ND		149	ND		2.05	ND		2.05	ND		2.05	ND		2.05	ND		28.3	ND		2.05	ND		2.05
Acetone	NV	340		173	268		2.38	266		2.38	259		2.38	261		2.38	349		32.8	193		2.38	591		2.38
Benzene	NV	ND		46.3	0.76		0.639	0.652		0.639	0.677		0.639	0.978		0.639	ND		8.82	0.652		0.639	6.77		0.639
Benzyl chloride	NV	ND		75.1	ND		1.04	ND		1.04	ND		1.04	ND		1.04	ND		14.3	ND		1.04	ND		1.04
Bromodichloromethane	NV	ND		97.1	ND		1.34	ND		1.34	ND		1.34	ND		1.34	ND		18.5	ND		1.34	ND		1.34
Bromoform	NV	ND		150	ND		2.07	ND		2.07	ND		2.07	ND		2.07	ND		28.5	ND		2.07	ND		2.07
Bromomethane	NV	ND		56.3	ND		0.777	ND		0.777	ND		0.777	ND		0.777	ND		10.7	ND		0.777	ND		0.777
Carbon disulfide	NV	ND		45.2	ND		0.623	ND		0.623	ND		0.623	ND		0.623	ND		8.59	0.841		0.623	2.53		0.623
Carbon tetrachloride	NV	ND		91.2	ND		1.26	ND		1.26	ND		1.26	ND		1.26	ND		17.4	ND		1.26	ND		1.26
Chlorobenzene	NV	ND		66.8	ND		0.921	ND		0.921	ND		0.921	ND		0.921	ND		12.7	ND		0.921	ND		0.921
Chloroethane	NV	47.2		38.3	ND		0.528	ND		0.528	ND		0.528	1.9		0.528	9.97		7.28	ND		0.528	ND		0.528
Chloroform	NV	ND		70.8	4.83		0.977	1.61		0.977	ND		0.977	19.3		0.977	77.2		13.5	ND		0.977	ND		0.977
Chloromethane	NV	ND		29.9	ND		0.413	ND		0.413	ND		0.413	ND		0.413	ND		5.7	ND		0.413	1.11		0.413
cis-1,2-Dichloroethene	NV	82.5		57.5	56.3		0.793	ND		0.793	ND		0.793	1.28		0.793	4200		10.9	1.39		0.793	ND		0.793
cis-1,3-Dichloropropene	NV	ND		65.8	ND		0.908	ND		0.908	ND		0.908	ND		0.908	ND		12.5	ND		0.908	ND		0.908
Cyclohexane	NV	ND		49.9	0.75		0.688	0.971		0.688	0.967		0.688	11.6		0.688	ND		9.5	ND		0.688	2.39		0.688
Dibromochloromethane	NV	ND		124	ND		1.7	ND		1.7	ND		1.7	ND		1.7	ND		23.5	ND		1.7	ND		1.7
Dichlorodifluoromethane	NV	ND		71.7	2.13		0.989	2.26		0.989	2.08		0.989	2.01		0.989	ND		13.6	2.21		0.989	2.1		0.989
Ethanol	NV	ND		684	39.6		9.42	40.1		9.42	38.1		9.42	43.3		9.42	ND		130	328		9.42	416		9.42
Ethyl Acetate	NV	ND		131	ND		1.8	ND		1.8	2.45		1.8	ND		1.8	ND		24.9	1.83		1.8	8.32		1.8
Ethylbenzene	NV	ND		63	ND		0.869	ND		0.869	ND		0.869	3.62		0.869	ND		12	ND		0.869	2.22		0.869
Freon-113	NV	706		111	7.23		1.53	ND		1.53	1.74		1.53	11.3		1.53	90.4		21.2	ND		1.53	ND		1.53
Freon-114	NV	ND		101	ND		1.4	ND		1.4	ND		1.4	ND		1.4	ND		19.3	ND		1.4	ND		1.4
Heptane	NV	ND		59.4	0.881		0.82	0.873		0.82	1		0.82	1.57		0.82	ND		11.3	ND		0.82	2.51		0.82
Hexachlorobutadiene	NV	ND		155	ND		2.13	ND		2.13	ND		2.13	ND		2.13	ND		29.4	ND		2.13	ND		2.13
Isopropanol	NV	ND		89.2	5.68		1.23	4.74		1.23	5.41		1.23	5.01		1.23	ND		17	5.85		1.23	14.9		1.23
Methyl tert butyl ether	NV	ND		52.3	ND		0.721	ND		0.721	ND		0.721	ND		0.721	ND		9.95	ND		0.721	ND		0.721
Methylene chloride	60	ND		126	ND		1.74	ND		1.74	ND		1.74	ND		1.74	ND		24	ND		1.74	2.15		1.74
n-Hexane	NV	ND		51.1	4.09		0.705	3.74		0.705	5.67		0.705	287		0.705	15.2		9.73	2.3		0.705	23.5		0.705
Naphthalene	NV	ND		76	ND		1.05	ND		1.05	ND		1.05	1.17		1.05	ND		14.5	ND		1.05	ND		1.05
o-Xylene	NV	ND		63	1.55		0.869	1.21		0.869	1.55		0.869	7.64		0.869	ND		12	ND		0.869	3.41		0.869
p/m-Xylene	NV	ND		126	3.46		1.74	2.82		1.74	3.37		1.74	15.6		1.74	ND		24	ND		1.74	8.56		1.74
Styrene	NV	ND		61.7	ND		0.852	ND		0.852	ND		0.852	ND		0.852	ND		11.8	ND		0.852	ND		0.852
Tertiary butyl Alcohol	NV	ND		110	ND		1.52	ND		1.52	ND		1.52	ND		1.52	ND		20.9	1.73		1.52	11.3		1.52
Tetrachloroethene	30	652		98.3	10.3		1.36	5.24		1.36	1.48		1.36	1.65		1.36	110		18.7	ND		1.36	ND		1.36
Tetrahydrofuran	NV	ND		107	5.84		1.47	5.75		1.47	5.69		1.47	6.4		1.47	ND		20.4	3.83		1.47	10.6		1.47
Toluene	NV	ND		54.6	2.13		0.754	1.81		0.754	2.05		0.754	3.44		0.754	ND		10.4	1.41		0.754	7.35		0.754
trans-1,2-Dichloroethene	NV	ND		57.5	1.55		0.793	ND		0.793	ND		0.793	ND		0.793	89.2		10.9	ND		0.793	ND		0.793
trans-1,3-Dichloropropene	NV	ND		65.8	ND		0.908	ND		0.908	ND		0.908	ND		0.908	ND		12.5	ND		0.908	ND		0.908
Trichloroethene	2	161		77.9	5.24		1.07	ND		1.07	ND		1.07	ND		1.07	90.8		14.8	ND		1.07	ND		1.07
Trichlorofluoromethane	NV	ND		81.5	1.44		1.12	1.43		1.12	1.33		1.12	1.51		1.12	ND		15.5	1.56		1.12	1.42		1.12
Vinyl bromide	NV	ND		63.4	ND		0.874	ND		0.874	ND		0.874	ND		0.874	ND		12.1	ND		0.874	ND		0.874
Vinyl chloride	NV	ND		37.1	ND		0.511	ND		0.511	ND		0.511	ND		0.511	85.9		7.06	ND		0.511	ND		0.511

Notes:

- Highlighted analytes are Compounds of Concern for the Site based on groundwater results.

BOLD - Bolded analytes are included in the NYSDOH Decision Matrices.

Result NYSDOH Air Guideline Value. Applies to indoor air and ambient air sample results only

ND - Non-detect

NV - No Air Guideline Value

* - Indicates a concentration is not a contaminant of concern and is attributed to a background source

Q - Laboratory Qualifier

RL - Reporting Limit

($\mu g/m^3$) - Micrograms per meter cubed

TABLE 2

245 West 55th Street
New York, New York
NYSDEC Site No. C231157

Vapor Intrusion Sampling Results and Decision Matrix Comparison - April 2024

Sample ID	Parameter	Soil Vapor Concentrations ($\mu g/m^3$)	Indoor/Ambient Air Concentrations ($\mu g/m^3$)	NYSDOH Matrices Decision
Matrix A 1,1-Dichloroethene (1,1-DCE); Carbon tetrachloride; cis-1,2-dichloroethene (cis-1,2-DCE); Trichloroethene (TCE)				
SSG-1/IA-1	1,1-DCE	440	ND	**Mitigate**
	Carbon tet.	ND	0.528	No further action
	cis-1,2-DCE	82.5	0.091	**Mitigate**
	TCE	161	0.145	**Mitigate**
SSG-2/IA-2	1,1-DCE	1.2	ND	No further action
	Carbon tet.	ND	0.484	No further action
	cis-1,2-DCE	56.3	0.079	No further action
	TCE	5.24	0.167	No further action
SSG-3/IA-3	1,1-DCE	ND	ND	No further action
	Carbon tet.	ND	0.51	No further action
	cis-1,2-DCE	ND	ND	No further action
	TCE	ND	0.118	No further action
SSG-4/IA-4	1,1-DCE	ND	ND	No further action
	Carbon tet.	ND	0.465	No further action
	cis-1,2-DCE	ND	ND	No further action
	TCE	ND	0.113	No further action
SSG-5/IA-5	1,1-DCE	4	ND	No further action
	Carbon tet.	ND	0.497	No further action
	cis-1,2-DCE	1.28	ND	No further action
	TCE	ND	0.113	No further action
SSG-6/IA-6	1,1-DCE	45.2	ND	No further action
	Carbon tet.	ND	0.516	No further action
	cis-1,2-DCE	4200	ND	**Mitigate**
	TCE	90.8	0.15	**Mitigate**
SSG-7/AA-7	1,1-DCE	ND	ND	Not applicable
	Carbon tet.	ND	0.465	Not applicable
	cis-1,2-DCE	1.39	ND	Not applicable
	TCE	ND	ND	Not applicable
SSG-8/AA-8	1,1-DCE	ND	ND	Not applicable
	Carbon tet.	ND	0.503	Not applicable
	cis-1,2-DCE	ND	ND	Not applicable
	TCE	ND	0.107	Not applicable
Matrix B 1,1,1- Trichloroethane (1,1,1-TCA); Methylene Chloride (MC); Tetrachloroethylene (PCE)				
SSG-1/IA-1	1,1,1-TCA	19600	0.917	**Mitigate**
	MC	ND	ND	No further action
	PCE	652	1.38	No further action
SSG-2/IA-2	1,1,1-TCA	105	0.78	No further action
	MC	ND	ND	No further action
	PCE	10.3	1.47	No further action
SSG-3/IA-3	1,1,1-TCA	109	0.687	No further action
	MC	ND	ND	No further action
	PCE	5.24	0.929	No further action
SSG-4/IA-4	1,1,1-TCA	9.71	0.72	No further action
	MC	ND	ND	No further action
	PCE	1.48	1.09	No further action
SSG-5/IA-5	1,1,1-TCA	94.9	0.742	No further action
	MC	ND	ND	No further action
	PCE	1.65	1.13	No further action
SSG-6/IA-6	1,1,1-TCA	1190	0.818	**Mitigate**
	MC	ND	ND	No further action
	PCE	110	1.31	No further action
SSG-7/AA-7	1,1,1-TCA	1.1	0.376	Not applicable
	MC	ND	ND	Not applicable
	PCE	ND	0.671	Not applicable
SSG-8/AA-8	1,1,1-TCA	ND	0.333	Not applicable
	MC	2.15	ND	Not applicable
	PCE	ND	1.02	Not applicable
Matrix C Vinyl Chloride (VC)				
SSG-1/IA-1	VC	ND	ND	No further action
SSG-2/IA-2	VC	ND	ND	No further action
SSG-3/IA-3	VC	ND	ND	No further action
SSG-4/IA-4	VC	ND	ND	No further action
SSG-5/IA-5	VC	ND	ND	No further action
SSG-6/IA-6	VC	85.9	ND	**Mitigate**
SSG-7/AA-7	VC	ND	ND	Not applicable
SSG-8/AA-8	VC	ND	ND	Not applicable

TABLE 2

245 West 55th Street
New York, New York
NYSDEC Site No. C231157

Vapor Intrusion Sampling Results and Decision Matrix Comparison - April 2024

Sample ID	Parameter	Soil Vapor Concentrations ($\mu g/m^3$)	Indoor/Ambient Air Concentrations ($\mu g/m^3$)	NYSDOH Matrices Decision
Matrix D 1,2,4-Trimethylbenzene (1,2,4-TMB); 1,3,5-Trimethylbenzene (1,3,5-TMB); 2,2,4-Trimethylpentane (2,2,4-TMP); Benzene; Cyclohexane; Ethylbenzene; Naphthalene; *o*-xylene				
SSG-1/IA-1	1,2,4-TMB	ND	4.57	No further action
	1,3,5-TMB	ND	1.17	No further action
	2,2,4-TMP	ND	ND	No further action
	Benzene	ND	0.875	No further action
	Cyclohexane	ND	0.709	No further action
	Ethylbenzene	ND	0.943	No further action
	Naphthalene	ND	ND	No further action
	o-xylene	ND	1.75	No further action
SSG-2/IA-2	1,2,4-TMB	3.78	3.42	No further action
	1,3,5-TMB	1.07	ND	No further action
	2,2,4-TMP	ND	ND	No further action
	Benzene	0.76	0.882	No further action
	Cyclohexane	0.75	ND	No further action
	Ethylbenzene	ND	ND	No further action
	Naphthalene	ND	ND	No further action
	o-xylene	1.55	1.44	No further action
SSG-3/IA-3	1,2,4-TMB	2.87	2.19	No further action
	1,3,5-TMB	ND	ND	No further action
	2,2,4-TMP	ND	ND	No further action
	Benzene	0.652	0.85	No further action
	Cyclohexane	0.971	ND	No further action
	Ethylbenzene	ND	ND	No further action
	Naphthalene	ND	ND	No further action
	o-xylene	1.21	1.26	No further action
SSG-4/IA-4	1,2,4-TMB	3.73	3.17	No further action
	1,3,5-TMB	1.01	ND	No further action
	2,2,4-TMP	ND	ND	No further action
	Benzene	0.677	0.872	No further action
	Cyclohexane	0.967	ND	No further action
	Ethylbenzene	ND	ND	No further action
	Naphthalene	ND	ND	No further action
	o-xylene	1.55	1.43	No further action
SSG-5/IA-5	1,2,4-TMB	23.4	4.15	No further action
	1,3,5-TMB	5.95	1.15	No further action
	2,2,4-TMP	ND	ND	No further action
	Benzene	0.978	0.895	No further action
	Cyclohexane	11.6	0.723	No further action
	Ethylbenzene	3.62	0.986	No further action
	Naphthalene	1.17	ND	No further action
	o-xylene	7.64	1.79	No further action
SSG-6/IA-6	1,2,4-TMB	ND	3.33	No further action
	1,3,5-TMB	ND	ND	No further action
	2,2,4-TMP	ND	ND	No further action
	Benzene	ND	0.856	No further action
	Cyclohexane	ND	ND	No further action
	Ethylbenzene	ND	ND	No further action
	Naphthalene	ND	ND	No further action
	o-xylene	ND	1.38	No further action
SSG-7/AA-7	1,2,4-TMB	1.69	3.09	Not applicable
	1,3,5-TMB	ND	ND	Not applicable
	2,2,4-TMP	ND	ND	Not applicable
	Benzene	0.652	0.946	Not applicable
	Cyclohexane	ND	ND	Not applicable
	Ethylbenzene	ND	ND	Not applicable
	Naphthalene	ND	ND	Not applicable
	o-xylene	ND	1.35	Not applicable
SSG-8/AA-8	1,2,4-TMB	3.55	5.01	Not applicable
	1,3,5-TMB	1.16	1.33	Not applicable
	2,2,4-TMP	ND	1.36	Not applicable
	Benzene	6.77	1.11	Not applicable
	Cyclohexane	2.39	ND	Not applicable
	Ethylbenzene	2.22	1.22	Not applicable
	Naphthalene	ND	ND	Not applicable
	o-xylene	3.41	1.98	Not applicable

TABLE 2

245 West 55th Street
New York, New York
NYSDEC Site No. C231157

Vapor Intrusion Sampling Results and Decision Matrix Comparison - April 2024

Sample ID	Parameter	Soil Vapor Concentrations ($\mu g/m^3$)	Indoor/Ambient Air Concentrations ($\mu g/m^3$)	NYSDOH Matrices Decision
Matrix E Heptane; Hexane; *p/m*- Xylene				
SSG-1/IA-1	Heptane	ND	0.926	No further action
	Hexane	ND	6.45	No further action
	p/m -Xylene	ND	3.75	No further action
SSG-2/IA-2	Heptane	0.881	0.865	No further action
	Hexane	4.09	6.34	No further action
	p/m -Xylene	3.46	3.27	No further action
SSG-3/IA-3	Heptane	0.873	0.861	No further action
	Hexane	3.74	5.5	No further action
	p/m -Xylene	2.82	2.83	No further action
SSG-4/IA-4	Heptane	1	0.861	No further action
	Hexane	5.67	7.96	No further action
	p/m -Xylene	3.37	3.1	No further action
SSG-5/IA-5	Heptane	1.57	0.934	No further action
	Hexane	287	6.34	**Monitor**
	p/m -Xylene	15.6	4.04	No further action
SSG-6/IA-6	Heptane	ND	0.877	No further action
	Hexane	15.2	6.2	No further action
	p/m -Xylene	ND	2.98	No further action
SSG-7/AA-7	Heptane	ND	ND	No further action
	Hexane	2.3	2.99	Not applicable
	p/m -Xylene	ND	3.38	Not applicable
SSG-8/AA-8	Heptane	2.51	1.08	Not applicable
	Hexane	23.5	2.27	Not applicable
	p/m -Xylene	8.56	4.78	Not applicable
Matrix F Toluene				
SSG-1/IA-1	Toluene	ND	2.06	No further action
SSG-2/IA-2	Toluene	2.13	1.99	No further action
SSG-3/IA-3	Toluene	1.81	1.91	No further action
SSG-4/IA-4	Toluene	2.05	1.9	No further action
SSG-5/IA-5	Toluene	3.44	2.05	No further action
SSG-6/IA-6	Toluene	ND	1.85	No further action
SSG-7/AA-7	Toluene	1.41	1.88	Not applicable
SSG-8/AA-8	Toluene	7.35	2.51	Not applicable

Notes:

All results are reported in micrograms per cubic meter (ug/m^3)

ND - Not Detected

NYSDOH - New York State Department of Health

1,400 - Results Exceed the applicable NYSDOH Soil Vapor or Indoor Air Matrices for Mitigation

1,400 - Results Exceed the applicable NYSDOH Soil Vapor or Indoor Air Matrices for Monitoring

NYSDOH decisions presented in this table are based on the May 2017 and February 2024 NYSDOH Decision Matrices.

Mitigate: NYSDOH recommends mitigation to minimize the current or potential exposures associated with soil vapor intrusion. Most common mitigation methods include sealing of preferential pathways in conjunction with installation of a sub-slab depressurization system, changing the pressurization of a building, as well as monitoring. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusions until the source of contamination is identified and remediated.

Monitor: NYSDOH recommends monitoring (sampling on a recurring basis) to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or whether existing building conditions are maintaining the desired mitigation endpoint. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

FIGURES



NEW YORK
QUADRANGLE LOCATION

GRAPHIC SCALE

0 1,000 2,000 4,000

(IN FEET)

N
W E
S

USGS The National Map
USGS 7.5 Minute Series Topographic Map of Central Park, New York

Environmental LOGIC
11 Princess Road Suite B,
Lawrenceville, NJ 08648

Scale: AS SHOWN		PROJECT: 23-0001
Date: 6/14/23		
Drawn By: PM	Checked By: BM	

SITE LOCATION ON USGS QUADRANGLE
245 WEST 55TH STREET
BLOCK 1027, LOT 7
MANHATTAN, NEW YORK

FIGURE # 1

PM File: 245W55_ManhattenNY-F1_SLM.mxd

LEGEND

APPROXIMATE SITE BOUNDARY

PARCEL BOUNDARY

Block: 1027
Lot: 63

Block: 1027
Lot: 60

Italia D.
Block: 1027
Lot: 160

Kozinn 238 LLC
Block: 1027
Lot: 58

236 West 56th
RealtyCRP
Block: 1027
Lot: 57

Block: 1027
Lot: 56

One-Story Brick
Building

Yard

Block: 1027
Lot: 104

Block: 1027
Lot: CA

Block: 1027
Lot: 103

Block: 1027
Lot: 103

Block: 1027
Lot: 101

Block: 1027
Lot: 102

Block: 1027
Lot: 5

Japas
Enterprises Inc.
Block: 1027
Lot: 6

Twelve-Story
Brick Building
Block: 1027
Lot: 7

Block: 1027
Lot: 9

Block: 1027
Lot: 2

Block: 1027
Lot: 1

Eleven-Story
Brick Building

Concrete Sidewalk

Concrete Sidewalk

Eighth Avenue

W. 55 th Street

GRAPHIC SCALE

0 10 20 40

(IN FEET)

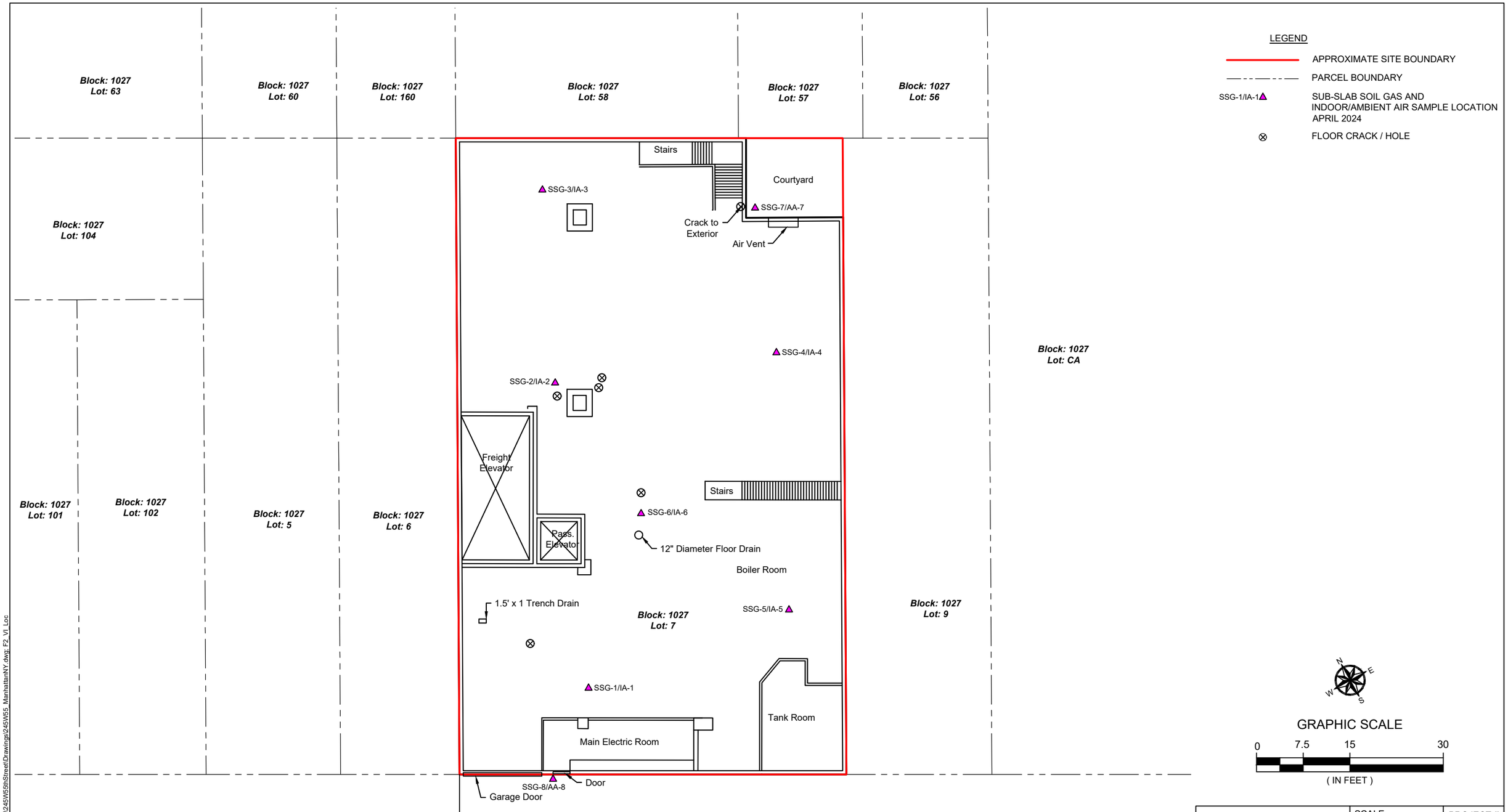
Environmental LOGIC
15 Princess Road, Suite K
Lawrenceville, NJ 08648

SCALE: AS SHOWN		PROJECT # 23-0001
DATE: 6/15/23		
DRAWN BY: PM		
CHECKED BY: BM		

SITE MAP
245 WEST 55TH STREET
BLOCK 1027, LOT 7
MANHATTAN, NEW YORK

FIGURE # 2

File: X:\EnvironmentalLogic\Manhatten_NY\245W55thStreet\Drawings\245W55_ManhattenNY.dwg, F2_SM



File: X:\Environmental Logic\Manhatten_NY\245W55thStreet\Drawings\245W55_ManhattanNY.dwg, F2_VI_Loc

Environmental LOGIC
15 Princess Road, Suite K
Lawrenceville, NJ 08648

SCALE: AS SHOWN		PROJECT # 23-0001
DATE: 7/29/24		
DRAWN BY: PM	CHECKED BY: BM	

VAPOR INTRUSION SAMPLE LOCATIONS AND RESULTS - APRIL 2024 INVESTIGATION
245 WEST 55TH STREET
MANHATTAN, NEW YORK

FIGURE # 3

ATTACHMENTS

Attachment 1

Vapor Intrusion Investigation Workplan (VIWP), dated March 2024

VAPOR INTRUSION INVESTIGATION WORKPLAN

FOR

245 WEST 55TH ST LLC
245 WEST 55TH STREET
BLOCK 1027, LOT 7
NEW YORK, NEW YORK
EL PROJECT NUMBER 23-0001

NYSDEC SITE NO.: C231157

MARCH 2024

Environmental LOGIC www.env-logic.com

15 Princess Road, Suite K | Lawrenceville, NJ 08648

REMEDIAL INVESTIGATION WORKPLAN
FOR
245 WEST 55TH ST LLC
245 WEST 55TH STREET
BLOCK 1027, LOT 7
NEW YORK, NEW YORK
NYSDEC SITE NO.: C231157

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- 2.1 Site Location and Setting 3
- 2.2 Site Geology and Hydrogeology 4
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1. Proposed Sampling Summary Table

FIGURES

1. Site Location Map on USGS Central Park, NY Quadrangle
2. Site Map with Proposed Vapor Intrusion Sampling Locations

ATTACHMENT

1. NYSDOH Structure Sampling Questionnaire and Building Inventory

REMEDIAL INVESTIGATION WORKPLAN
FOR
245 WEST 55TH ST LLC
245 WEST 55TH STREET
BLOCK 1027, LOT 7
NEW YORK, NEW YORK
NYSDEC SITE NO.: C231157

1.0 INTRODUCTION

This Soil Vapor Intrusion Investigation Workplan was prepared on behalf of 245 WEST 55TH ST LLC to support additional vapor intrusion (VI) investigations at the Site located at 245 West 55th Street (Block 1027, Lot 7), located in New York, New York (herein referred to as the "Site"). 245 WEST 55TH ST LLC is enrolled as a Volunteer in the New York State Brownfield Cleanup Program (BCP), pursuant to the Brownfield Cleanup Agreement (BCA) number C231157.

Of note, the building is undergoing renovation. A sub-slab depressurization system and vapor barrier will be installed as part of the renovation activities.

As detailed in the attachments to the Brownfields Cleanup Application package, Soil vapor intrusion sampling was conducted in October 2022 and Chlorinated Volatile Organic Compounds CVOCs were detected in all sub-slab soil vapor samples and all indoor air samples collected across in the basement of the on-Site building. The compound 1,1,1-TCA was the VOC detected at the highest concentrations. 1,1,1-TCA is a compound historically associated with the cleaning of photographic films, and the presence of this compound in soil vapor and indoor air is likely due to historical Site usage for this purpose.

Based on review of the data, and as discussed in the New York State Department of Environmental Conservation (NYSDEC) March 20, 2023, comment letter, the NYSDEC and New York State Department of Health (NYSDOH) request that additional VI evaluation be conducted. This Work Plan provides a proposed scope of work for conducting additional VI investigation confirming the previous 2022 sampling results at select locations and at additional locations requested by NYSDEC and NYSDOH.

2.0 SITE INFORMATION AND BACKGROUND

2.1 Site Location and Setting

The Site is located in a C6-4/C6-6 Commercial District in Manhattan, approximately 1,000 feet southwest of Central Park. The Site is bordered to the north, east, and west by mixed-use

commercial/residential properties, and is bordered to the south by West 55th Street and additional mixed-use commercial/residential properties.

The Site elevation is generally flat. A United States Geological Survey (USGS) 7.5-minute topographic map showing the Site location and surrounding area is provided on Figure 1.

The property is a rectangle-shaped parcel comprised of 0.14 acres and identified on tax maps of Manhattan NY as Block 1027, Lot 7. The Site is currently owned by 245 WEST 55TH ST LLC.

2.2 Site Geology and Hydrogeology

Based on soil sampling conducted by EL in January and February 2023, shallow soils consisted of sands and silty sands underlain by more clayey material. One soil boring was advanced to the presumed depth of bedrock, approximately 35 feet below the basement floor (i.e., approximately 48 to 50 feet below grade). Bedrock observed in this boring consisted of weathered schist at approximately 32.5 feet below the basement floor. Bedrock underlying the site consists of the Hartland Formation, which is comprised of a dark grey, medium- to coarse-grained muscovite-biotite-garnet (mica) schist and grey fine-grained quartz feldspar granulite biotite and garnet, with localized concentrations of granite and intrusions of coarse-grained granitic pegmatite. Based on ground water sampling conducted by Environmental Logic in January 2023, ground water at the Site was encountered at approximately 27 feet below grade.

2.3 Site Features and Use

The Site is fully developed with a 12-story commercial and office building with a basement which is currently vacant.

The Site was formerly owned and utilized by DuArt Media Services/DuArt Film Labs (DuArt) for cinematographic film cleaning and film processing from approximately 1922 through 2011. Film production including voiceover work, audio recording, and film editing continued to take place at the Site until 2021. Cinematographic film cleaning operations utilized cleaning and degreasing compounds including the chlorinated volatile organic compounds (CVOCs) tetrachloroethene (PCE) and 1,1,1-trichloroethane (1,1,1-TCA) to remove dirt, grease, and minor scratches from film negatives prior to print.

A Site Map is included as Figure 2.

3.0 VAPOR INTRUSION INVESTIGATION WORKPLAN

The objective of this Vapor Intrusion Investigation Workplan is to evaluate the previously identified VI pathway and potential VI risk at the site. As noted in Section 3.3, field staff will identify and document any preferential VI pathways (cracks, perforations, sumps, drains, etc.) in the basement walls as well as in the slab during VI sampling activities.

3.1 Vapor Intrusion Investigation Scope

The scope of the VI Investigation will include the collection of Site data to satisfy NYSDEC and NYSDOH requirements. To accomplish this, the SOW for the VI Investigation will include the following:

- The completion of Site reconnaissance. Reviewing property conditions and conducting a building inventory for indoor locations prior to sample collection;
- The installation of a total of eight (8) temporary soil gas monitoring points (6 sub-slab soil gas and 2 soil vapor);
- The collection of six (6) indoor air samples paired with 6 indoor sub-slab soil gas samples;
- The collection of two (2) outdoor ambient air samples paired with 2 outside soil vapor samples; and
- Preparation of a VI Summary Report for submission to NYSDEC and NYSDOH.

Sampling will be conducted in accordance with the NYSDOH's Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH 2006, rev. 2024). Contingent upon Work Plan approval, sampling will tentatively be performed during the 2023/2024 heating season.

Per the NYSDOH Guidance, sub-slab vapor samples and, unless immediate sampling is appropriate, indoor air samples are typically collected during the heating season because soil vapor intrusion is more likely to occur when a building's heating system is in operation and doors and windows are closed. In New York State, heating systems are generally expected to be operating routinely from November 15th to March 31st. However, these dates are not absolute; The timeframe for sampling may vary depending on factors such as the location of the site (e.g., upstate versus downstate) and the weather conditions for a particular year.

A soil vapor intrusion investigation at a building may be conducted outside of the heating season if the concern for vapor intrusion is greater during another time of year. This may occur at certain industrial buildings, for instance, where HVAC systems are actively managed to control the ratio of recirculated indoor air to make-up air from outside the building.

See Section 3.6 for details regarding the project schedule.

The sections below present a detailed discussion of the scope of the investigation and support activities.

3.2 Health and Safety Plan

A site-specific Health and Safety Plan will be prepared containing the health and safety procedures, methods, and requirements that will apply to field personnel during implementation of the field work. Field activities will be conducted using Modified Level D personal protective equipment. All personnel who work in areas where they may be exposed to site contaminants will be trained as required. Health and safety procedures will be compliant with the Occupational Safety and Health Administration's Hazardous Waste Operations and Emergency Response standards, as described in 29 Code of Federal Regulations 1910.120. All VI field staff will abstain from using or having contact with fuels, solvent cleaners, aerosol sprays and avoid smoke/vapor exposure for 24 hours prior to conducting sampling activities.

3.3 Sub-Slab and Indoor Air Paired Sampling Points

Building surveys and reconnaissance will be completed on Site prior to sampling activities on those properties. The purpose of the survey and reconnaissance will be to document information that will be used to evaluate the VI results. Field personnel will complete the NYSDOH Structure Sampling Questionnaire and Building Inventory (presented in Attachment 1) prior to conducting the indoor air sampling. This will be done in conjunction with evaluating slab perforations, obtaining information on building space use, evaluating the operating conditions of the heating/ventilation/air conditioning system, and identifying the type and location of chemical products that could influence indoor air results. Field personnel will identify and document any preferential pathways (cracks, perforations, sumps, drains, etc.) in the basement walls as well as in the slab.

A photoionization detector (PID), equipped with a 11.7 electron volt lamp, will be used to complete a real-time vapor survey to screen for the presence of detectable vapor-phase chemicals within the breathing zone and for any floor penetrations. Any products identified during the survey that could impact the results of the indoor air sampling will be removed from the area prior to sampling, if possible.

The temporary sub-slab and exterior soil vapor points will be installed at the locations depicted on Figure 2. These proposed sampling locations may be changed, as necessary, based on building access and the location of any utilities.

The sub-slab and exterior soil vapor points will be installed using a hand-held hammer drill and a High-Efficiency Particulate Air (HEPA) dust collection vacuum to collect dust generated during drilling activities. A ⅜-inch core hole will be advanced through the concrete slab and approximately 3 inches into the sub-slab material to create an open cavity.

Sub-slab soil gas sampling will be performed utilizing the following procedural steps and a tracer gas test will be performed on each vapor point prior to sampling in accordance with the procedures outlined in the NYSDOH Guidance (October 2006):

1. The sample tubing will be connected to a Teflon-lined “T” connector, three-way assembly, with one end of the “T” connector leading to a vacuum pump and the other end leading to a pre-evacuated Summa canister with a calibrated regulator.

2. The Summa canisters will be batch certified as clean by the laboratory providing the sampling canisters.

3. The soil gas sample tubing will be purged of approximately three volumes of air using a vacuum pump set at a rate of approximately 0.2 liters per minute.

4. Tracer gas testing will be conducted on all monitoring points to verify that ambient air did not dilute the soil gas sample during collection. To conduct the test, a plastic container (i.e., bucket) will be placed over the monitoring point with a seal, and helium (i.e., the tracer gas) will be injected into the bucket during purging of the monitoring point to enrich the interior of the bucket with the tracer gas. The three-way valves at the monitoring points will also be placed under the shroud (i.e., the bucket enclosure), and included in the tracer gas verification. This will be done to ensure that the valves do not provide a potential means by which ambient air would enter the canister and possibly dilute the sample. Both the purge volume from the sample tubing (i.e., also the air that passed through the three-way valve), and the helium enriched area within the bucket will be screened for the tracer gas. The tracer gas will be measured utilizing a direct-read helium detector, which will be used to measure the rate of helium leakage at the surface or the concentration of helium in a container. If the screening results show that the rate or concentration of helium detected in the sample tubing is greater than 10% of that found in the bucket, the seals around the sampling equipment will be reset and the sample tubing purged again. This process of resetting and purging will continue until the tracer gas is no longer detected at levels greater than 10% of the enriched area. The screening data will be recorded on soil gas sampling field forms.

5. Following the purging and tracer gas verification steps, the valve leading to the pump will be closed, the pump will be turned off, and the soil gas will be directed to a 6-liter Summa canister for sample collection. A laboratory-supplied flow controller calibrated to collect the sample over an 8-hour collection period will be used.

Paired building indoor air samples (Figure X; Table X) will be collected concurrently (over the same 8-hour time period) and in the general vicinity of the sub-slab soil vapor sample points shown on Figure 2.

Ambient air samples collocated with the exterior soil vapor samples will also be collected will be collected over the same time period (8 hours) as the sub-slab and indoor air samples.

Indoor air and ambient air samples will be collected from an intake height of approximately 4 to 5 feet above the ground/slab.

3.4 Laboratory Analysis

All soil gas samples will be collected using batch-certified, pre-cleaned 6-liter Summa canisters with calibrated regulators and analyzed by Alpha Analytical, Mansfield, MA a NYSDOH Environmental Laboratory Approval Program (ELAP ID 11627) certified laboratory using USEPA Analytical Method TO-15 for VOCs.

All data will be produced in accordance with NYSDEC ASP Category B deliverables. All analytical data will be reviewed by an independent data validator, and a Data Usability Summary Report (DUSR) will be prepared.

3.5 Data Evaluation

Sub-slab soil gas and indoor air samples will be compared to the NYSDOH Guidance Soil Vapor/Indoor Air Matrices. The results of the comparison will be provided in the VI Summary Report

3.6 Project Scheduling and Reporting

The proposed sampling will occur as soon as practicable upon receipt of NYSDEC's and NYSDOH's written approval of the Work Plan.

Depending on the date of Departmental approval and the impeding end of the heating season (March 31) as detailed in the 2006 NYSDOH Guidance, sampling may occur several days after the

defined heating season. As the building is currently vacant, and the HVAC system is not operating, this variance should not influence the results of the sampling.

A VI Investigation Summary Report will be prepared and submitted to NYSDEC and NYSDOH within 45 days of the receipt of validated laboratory data. The report will include a detailed synopsis of all work performed; figures depicting the layout of the sampling locations, figures presenting the analytical results and analyses performed, tables presenting all laboratory data results, results of the screening level comparison, laboratory data packages, a DUSR, and soil gas field forms.

4.0 CERTIFICATION

I, Gary Weissberger, certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Report (the August 2023 Remedial Investigation Work Plan) was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).



Gary Weissberger, Associate
Environmental Logic

TABLES

Table 1

245 West 55th Street
New York, New York

VI Sampling Workplan - Proposed Sampling Summary Table

Sample ID	Matrix	Sampling Method	Analysis
IA-1	Indoor Air	Summa Cannister	EPA TO-15
SSG-1	Soil Gas	Summa Cannister	EPA TO-15
IA-2	Indoor Air	Summa Cannister	EPA TO-15
SSG-2	Soil Gas	Summa Cannister	EPA TO-15
IA-3	Indoor Air	Summa Cannister	EPA TO-15
SSG-3	Soil Gas	Summa Cannister	EPA TO-15
IA-4	Indoor Air	Summa Cannister	EPA TO-15
SSG-4	Soil Gas	Summa Cannister	EPA TO-15
IA-5	Indoor Air	Summa Cannister	EPA TO-15
SSG-5	Soil Gas	Summa Cannister	EPA TO-15
IA-6	Indoor Air	Summa Cannister	EPA TO-15
SSG-6	Soil Gas	Summa Cannister	EPA TO-15
AA-7	Ambient Air	Summa Cannister	EPA TO-15
SSG-7	Soil Gas	Summa Cannister	EPA TO-15
AA-8	Ambient Air	Summa Cannister	EPA TO-15
SSG-8	Soil Gas	Summa Cannister	EPA TO-15

Environmental LOGIC

FIGURES



NEW YORK
QUADRANGLE LOCATION

GRAPHIC SCALE

0 1,000 2,000 4,000

(IN FEET)

N
W E
S

USGS The National Map
USGS 7.5 Minute Series Topographic Map of Central Park, New York

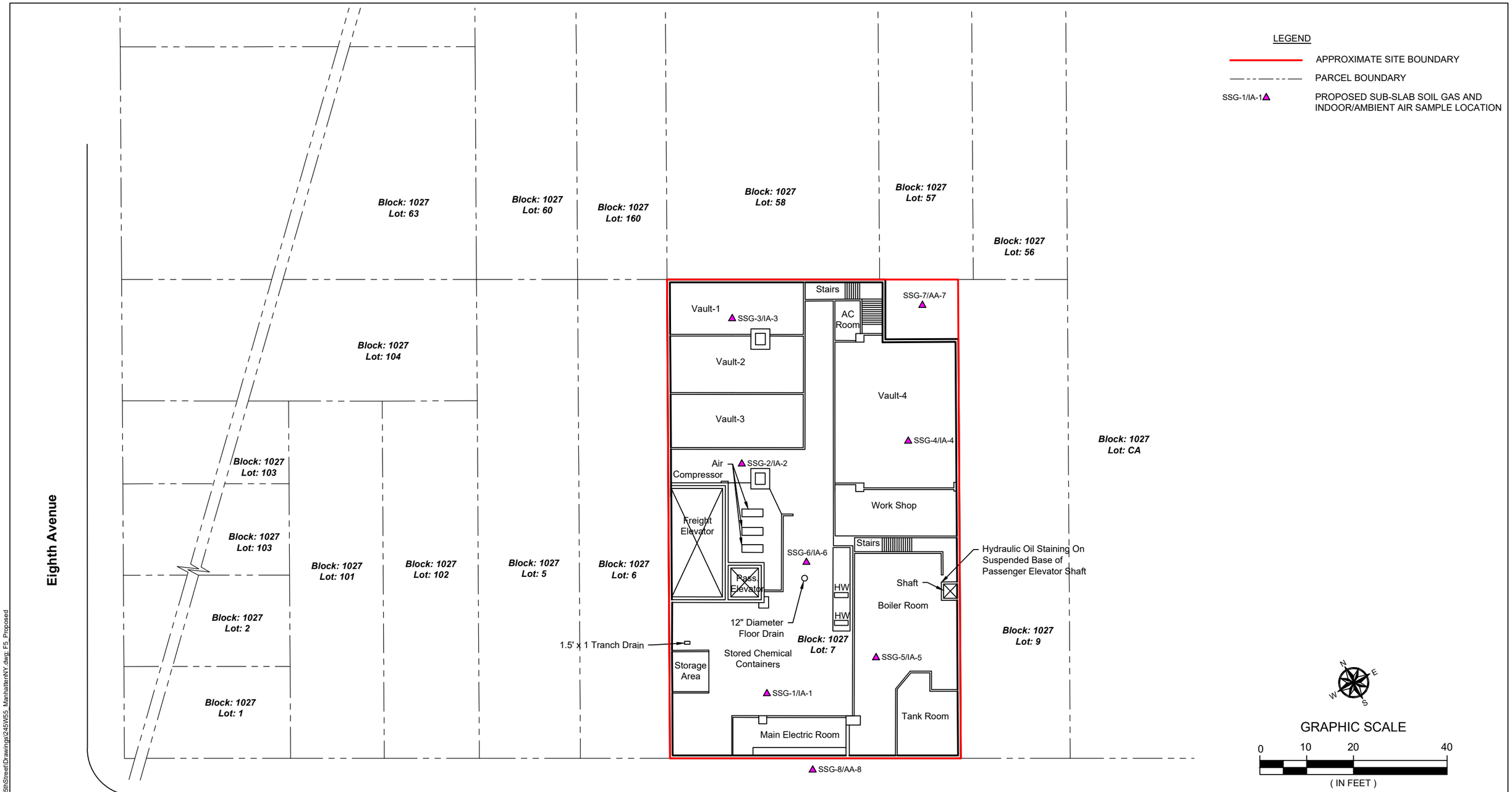
Environmental LOGIC
11 Princess Road Suite B,
Lawrenceville, NJ 08648

Scale: AS SHOWN		PROJECT: 23-0001
Date: 6/14/23		
Drawn By: PM	Checked By: BM	

SITE LOCATION ON USGS QUADRANGLE
245 WEST 55TH STREET
BLOCK 1027, LOT 7
MANHATTEN, NEW YORK

FIGURE # 1

PM File: 245W55_ManhattenNY-F1_SLM.mxd



Environmental LOGIC
15 Princess Road, Suite K
Lawrenceville, NJ 08648

SCALE: AS SHOWN	PROJECT # 23-0001
DATE: 3/21/24	
DRAWN BY: PM	
CHECKED BY: BM	

PROPOSED VAPOR INTRUSION SAMPLING LOCATIONS
245 WEST 55TH STREET
MANHATTEN, NEW YORK

FIGURE # 2

File: X:\Environmental Logic\Manhatten_NY\245W55thStreet\Drawings\245W55_ManhattenNY.dwg, F5_Proposed

ATTACHMENT 1

NYSDOH Structure Sampling Questionnaire and Building Inventory

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 _____ Date/Time Prepared _____

Preparer's Affiliation _____ Phone No._____

Purpose of Investigation_____

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

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	School	Commercial/Multi-use
Industrial	Church	Other: _____

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

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) _____

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

Other characteristics:

Number of floors_____ Building age_____

Is the building insulated? Y / N How air tight? Tight / Average / Not Tight

4. AIRFLOW

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

Airflow between floors

_____

_____

_____

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. Basement type:	full	crawlspace	slab	other _____
c. Basement floor:	concrete	dirt	stone	other _____
d. 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. The basement is:	wet	damp	dry	moldy
i. 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)

Hot air circulation	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:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: _____

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	_____
1st Floor	_____
2nd Floor	_____
3rd Floor	_____
4th Floor	_____

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / N

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?_____

e. Is a kerosene or unvented gas space heater present? Y / N Where? _____

f. Is there a workshop or hobby/craft area? Y / N Where & Type? _____

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? _____

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? _____

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) No
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

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: _____

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: _____

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N

* 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 2

VIWP Approval from NYSDEC, dated March 22, 2024

Lisa Mastripolito

From: Gary Weissberger
Sent: Tuesday, April 16, 2024 9:55 AM
To: Lisa Mastripolito
Subject: 245 w55 VI Sampling Plan approval

VI Workplan approval date – March 22 ,2024

From: Bower, Erick R (DEC) <Erick.Bower@dec.ny.gov>
Sent: Friday, March 22, 2024 12:11 PM
To: Gary Weissberger <gweissberger@env-logic.com>
Cc: Bill Major <bmajor@env-logic.com>; Adam van Eeckhout <Adam@madigandevelopment.com>; Lou Madigan <lmadigan@madigandevelopment.com>; Bennett, William B (DEC) <william.bennett@dec.ny.gov>; Budd, Christopher (HEALTH) <Christopher.Budd@health.ny.gov>; Kenney, Julia M (HEALTH) <julia.kenney@health.ny.gov>
Subject: RE: VI Sampling Plan

Good afternoon,

Based on a cursory review by NYSDEC and NYSDOH, we accept the Vapor Intrusion Investigation Workplan (dated March 2024) for the 245 West 55th Street site (C231157), with the following modifications:

- **Modification 1, Throughout Document:** Please change "near slab" to "soil vapor sample" throughout the work plan.
- **Modification 2, Section 1 (Introduction):** Please indicate in the text whether you are a Volunteer or a Participant in the BCP.
- **Modification 3, Section 3.0 (Vapor Intrusion Investigation Workplan):** Please specify in the text that you will identify and document any preferential pathways (cracks, perforations, sumps, drains, etc.) in the basement walls as well as in the slab.
- **Modification 4, Section 3.3 (Sub-Slab and Indoor Air Paired Sampling Points):** Please indicate if SUMMA canisters will be batch certified clean or individual certified clean.

Once these modifications have been made, please provide us a final copy of the work plan.

Additionally, we wanted to state that we do not object to the applicant immediately proceeding with this work plan at this time.

Thank you,
Erick Bower

Erick Bower
Geologist Trainee
Project Manager, Remedial Bureau B, Section B

New York State Department of Environmental Conservation
625 Broadway, Albany, NY 12233-1010
518-402-9824 | erick.bower@dec.ny.gov

www.dec.ny.gov | | |

NEW YORK STATE | Department of Environmental Conservation

From: Gary Weissberger <gweissberger@env-logic.com>
Sent: Thursday, March 21, 2024 5:03 PM
To: Bower, Erick R (DEC) <Erick.Bower@dec.ny.gov>; Bennett, William B (DEC) <william.bennett@dec.ny.gov>
Cc: Bill Major <bmajor@env-logic.com>; Adam van Eeckhout <Adam@madigandevelopment.com>; Lou Madigan <lmadigan@madigandevelopment.com>
Subject: VI Sampling Plan

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Erick,

Attached is the VI sampling plan we discussed yesterday. If you can get NYSDOH approval quickly, we should be able to complete the sampling next week and before the end of the prescribed heating season.

Feel free to reach out with any questions or comments.

Gary Weissberger
Environmental LOGIC www.env-logic.com
Environmental Logic
15 Princess Road, Suite K
Lawrenceville, New Jersey 08648
Phone (609) 910-0720 x405
Direct (609) 910-0451
Cell Phone (215) 840-5925
Fax (609) 896-1746
Email: gweissberger@env-logic.com

Attachment 3

April 2024 Completed VI Guidance Indoor Air Quality Questionnaire/Building Inventory Sheets

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 Nicole Maksymiw Date/Time Prepared 4/9-4/10/24

Preparer's Affiliation Environmental Logic Phone No. 609-910-0720

Purpose of Investigation Vapor Intrusion Investigation - 245 West 55th St.
NYSDEC Site No. C231157

1. ~~OCCUPANT:~~ (NM) Building Supervisor for CMA

Interviewed: (Y) N

Last Name: _____ First Name: Nick (CMA)

Address: _____

County: _____

Home Phone: 973-204-3599 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	School	(Commercial/Multi-use)
Industrial	Church	Other: under construction/demolition
		Currently vacant

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

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Vacant - currently under construction/demo

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

Other characteristics:

Number of floors 11 + basement Building age_____

Is the building insulated? Y /(N) How air tight? Tight /(Average)/ Not Tight

4. AIRFLOW

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

Airflow between floors

Building under construction, so there is no HVAC running. All pipes are cut off. demo/

Airflow near source

Outdoor air infiltration

Outdoor air enters around doorways. Air vent in basement is open to outdoor courtyard, as well as a crack/hole in the wall.

Infiltration into air ducts

No HVAC system in use. Air ducts are cut. Ongoing construction/demo.

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

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

Basement/Lowest level depth below grade: ~14 (feet)

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

Floor drain 12" dia, vent on north wall open to courtyard, cracks/hole in wall to courtyard (small holes center of basement (1" size)

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) N/A

Hot air circulation	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: N/A

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: N/A

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 N/A

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.

N/A - ongoing demolition

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	Boiler and prior heating systems
1st Floor	1st floor - 11th floor occupied by
2nd Floor	construction / demo workers
3rd Floor	currently
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

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? unknown

e. Is a kerosene or unvented gas space heater present? Y / (N) Where?_____

f. Is there a workshop or hobby/craft area? Y / (N) Where & Type?_____

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? _____

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: Basement near AST that was cut open, emptied, + cleaned.

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? _____

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) — No
Yes, use dry-cleaning infrequently (monthly or less) — (Unknown)
Yes, work at a dry-cleaning service

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) Not applicable

a. Provide reasons why relocation is recommended: _____

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:

See attached figure.

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.

See attached figure.

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: RKI 5 gas meter

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N
Basement	decommissioned heating oil tank			AST was emptied + cleaned	2.0	Y
Basement	chem search H2O solutions	15-30 gallons (approx)	U	unknown	0.4	Y
Basement	BWT-93 (Boiler water treatment)	1 gal	U	BWT-93	0.4	Y
Basement	David Weber Oil Co SAE20 Premium ND	1/2 gal (approx. 6 containers)	U	petroleum oil hydrocarbon lubricant	0.1	Y
Basement	Oatey Medium clear PVC cement	32 fl. oz.	U	PVC cement	0.1	Y

* 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 4

April 2024 Investigation Photolog

Attachment 4 - April 2024 Investigation Photolog

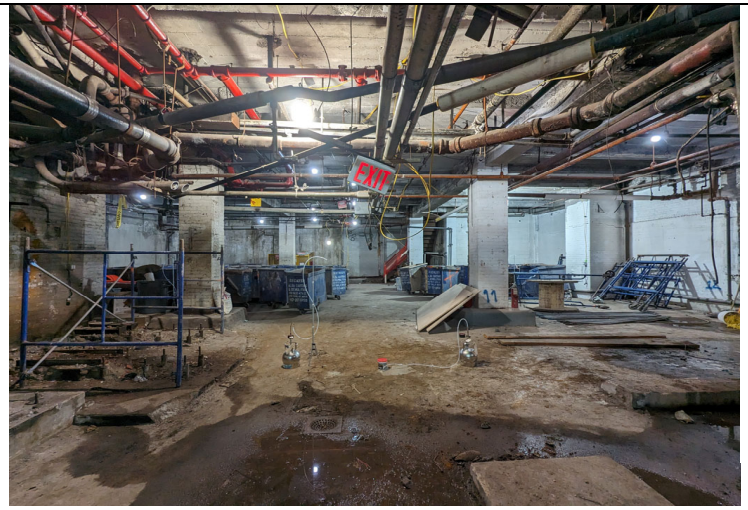


Photo 1:
General view of the basement investigation area, facing northeast.



Photo 2:
General view of the basement investigation area, facing southwest.



Photo 3:
General view of the basement investigation area, facing southwest.



Photo 4:
Sample location SSG-1/IA-1.

Attachment 4 - April 2024 Investigation Photolog



Photo 5:
Sample location SSG-2/IA-2.



Photo 6:
Sample location SSG-3/IA-3.



Photo 7:
Sample location SSG-4/IA-4.



Photo 8:
Sample location SSG-5/IA-5.

Site:	EL Project No.	Page No.	
245 West 55th Street Manhattan, New York	23-0001	2 of 3	Environmental LOGIC

Attachment 4 - April 2024 Investigation Photolog



Photo 9:
Sample location SSG-6/IA-6.



Photo 10:
Sample location SSG-7/AA-7.

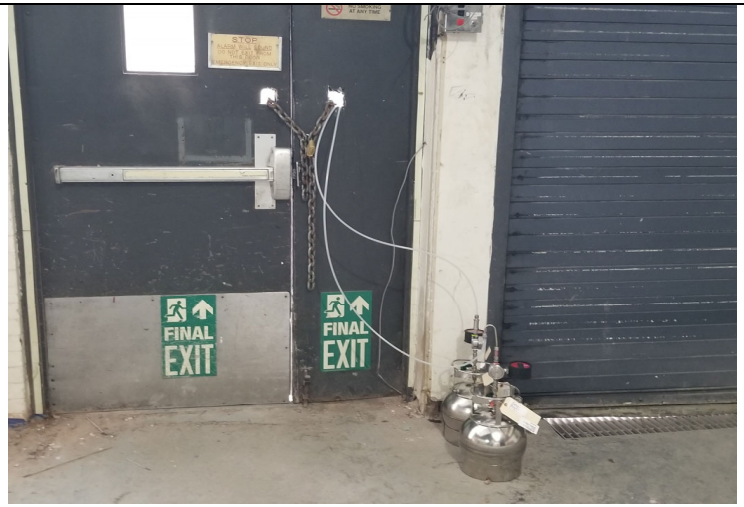


Photo 11:
Sample location SSG-8/AA-8. Canisters were stored inside with additional tubing to collect outside samples.



Photo 12:
Sample location SSG-8/AA-8. Samples were collected outdoors, using a bucket to protect the soil vapor point from sidewalk traffic.

Attachment 5

April 2024 Investigation Laboratory Analytical Report

www.alphalab.com



Alpha Analytical

Laboratory Code: 11148

SDG Number: L2419731

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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      - SSG-2 (L2419731-10) Analyzed: 04/25/24 03:11 447
      - SSG-3 (L2419731-11) Analyzed: 04/25/24 03:51 491
      - SSG-4 (L2419731-12) Analyzed: 04/25/24 04:32 532
      - SSG-5 (L2419731-13) Analyzed: 04/25/24 05:12 576
      - SSG-6 (L2419731-14) Analyzed: 04/25/24 05:48 620
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Project Name: 245 W. 55TH
Project Number: 23-0001

Lab Number: L2419731
Report Date: 04/25/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2419731-01	IA-1	AIR	NEW YORK, NY	04/10/24 15:09	04/11/24
L2419731-02	IA-2	AIR	NEW YORK, NY	04/10/24 15:01	04/11/24
L2419731-03	IA-3	AIR	NEW YORK, NY	04/10/24 14:58	04/11/24
L2419731-04	IA-4	AIR	NEW YORK, NY	04/10/24 15:02	04/11/24
L2419731-05	IA-5	AIR	NEW YORK, NY	04/10/24 15:05	04/11/24
L2419731-06	IA-6	AIR	NEW YORK, NY	04/10/24 15:04	04/11/24
L2419731-07	AA-7	AIR	NEW YORK, NY	04/10/24 14:59	04/11/24
L2419731-08	AA-8	AIR	NEW YORK, NY	04/10/24 15:48	04/11/24
L2419731-09	SSG-1	SOIL_VAPOR	NEW YORK, NY	04/10/24 15:08	04/11/24
L2419731-10	SSG-2	SOIL_VAPOR	NEW YORK, NY	04/10/24 15:02	04/11/24
L2419731-11	SSG-3	SOIL_VAPOR	NEW YORK, NY	04/10/24 14:59	04/11/24
L2419731-12	SSG-4	SOIL_VAPOR	NEW YORK, NY	04/10/24 15:01	04/11/24
L2419731-13	SSG-5	SOIL_VAPOR	NEW YORK, NY	04/10/24 15:04	04/11/24
L2419731-14	SSG-6	SOIL_VAPOR	NEW YORK, NY	04/10/24 15:05	04/11/24
L2419731-15	SSG-7	SOIL_VAPOR	NEW YORK, NY	04/10/24 14:58	04/11/24
L2419731-16	SSG-8	SOIL_VAPOR	NEW YORK, NY	04/10/24 15:49	04/11/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on April 8, 2024. The canister certification data is provided as an addendum.

L2419731-09D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2419731-14D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J Anderson Report Date: 04/25/24

Title: Technical Director/Representative

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report

Data Qualifiers

the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

ND - Not detected at the reporting limit (RL) for the sample.

Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD	Columns (length x ID x df):
Trap: Supelco K Trap (VOACARB 3000)	RTX-VMS 20m x 0.18mm x 1um
Concentrator: EST Encon (or equivalent)	RTX-VMS 30m x 0.25mm x 1.4um
Autosampler: EST Centurion (or equivalent)	RTX-502.2 40m x 0.18mm x 1um
Purge time: 11 min	

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)	Column Type: Restek RTX 502.2
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 105 Meters
Concentrator: EST Encon (or equivalent)	df: 3.00 um
Autosampler: EST Centurion (or equivalent)	ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD	Column Type: DB-VRX
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 60 Meters
Concentrator: Tekmar Velocity / EST Encon	df: 1.40 um
Autosampler: Varian Archon / EST Centurion	ID: 0.25 mm
Purge time: 11 min	Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD	
	Column Type: Haysep S Column
	Column Length: 2 Meters packed (100/200 mesh)
Autosampler: LEAP Headspace	Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200	Column Type: Restek RTX-1
Autosampler: Entech 7016CA or 7016D	Column Length: 60 Meters
	df: 1.00 um
	ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material
Trap 2: Tenax: manufacturer-Entech: 20 cm packing material

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.32 um
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1uL
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Sample Delivery Group Summary

Alpha Job Number : L2419731

Account Name : Environmental Logic, LLC
Project Number : 23-0001
Project Name : 245 W. 55TH

Received : 11-APR-2024
Reviewer : Christopher J Anderson

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
NA	Absent/			

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between COC & sample labels?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**YES**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NA**

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Apr 25 2024, 05:22 pm

Login Number: L2419731
Account: ENV-LOGIC Environmental Logic, LLCProject: 23-0001
Received: 11APR24 Due Date: 25APR24

Sample #	Client ID	Mat	PR	Collected
L2419731-01	IA-1	10	S0	10APR24 15:09
TO15 SIM for 7 NYS DMCs ASP-B Package Due Date: 04/25/24				
ASP-B,CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				
L2419731-02	IA-2	10	S0	10APR24 15:01
TO15 SIM for 7 NYS DMCs Package Due Date: 04/25/24				
CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				
L2419731-03	IA-3	10	S0	10APR24 14:58
TO15 SIM for 7 NYS DMCs Package Due Date: 04/25/24				
CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				
L2419731-04	IA-4	10	S0	10APR24 15:02
TO15 SIM for 7 NYS DMCs Package Due Date: 04/25/24				
CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				
L2419731-05	IA-5	10	S0	10APR24 15:05
TO15 SIM for 7 NYS DMCs Package Due Date: 04/25/24				
CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				
L2419731-06	IA-6	10	S0	10APR24 15:04
TO15 SIM for 7 NYS DMCs Package Due Date: 04/25/24				
CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				
L2419731-07	AA-7	10	S0	10APR24 14:59
TO15 SIM for 7 NYS DMCs Package Due Date: 04/25/24				

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Apr 25 2024, 05:22 pm

Login Number: L2419731
Account: ENV-LOGIC Environmental Logic, LLCProject: 23-0001
Received: 11APR24 Due Date: 25APR24

Sample #	Client ID	Mat	PR	Collected
CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				
L2419731-08	AA-8		10 S0	10APR24 15:48
TO15 SIM for 7 NYS DMCs Package Due Date: 04/25/24				
CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				
L2419731-09	SSG-1		11 S0	10APR24 15:08
TO15 SIM for 7 NYS DMCs Package Due Date: 04/25/24				
CAN-RENT,FLOW-RENT,TO15-LL				
L2419731-10	SSG-2		11 S0	10APR24 15:02
TO15 SIM for 7 NYS DMCs Package Due Date: 04/25/24				
CAN-RENT,FLOW-RENT,TO15-LL				
L2419731-11	SSG-3		11 S0	10APR24 14:59
TO15 SIM for 7 NYS DMCs Package Due Date: 04/25/24				
CAN-RENT,FLOW-RENT,TO15-LL				
L2419731-12	SSG-4		11 S0	10APR24 15:01
TO15 SIM for 7 NYS DMCs Package Due Date: 04/25/24				
CAN-RENT,FLOW-RENT,TO15-LL				
L2419731-13	SSG-5		11 S0	10APR24 15:04
TO15 SIM for 7 NYS DMCs Package Due Date: 04/25/24				
CAN-RENT,FLOW-RENT,TO15-LL				

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Apr 25 2024, 05:22 pm

Login Number: L2419731
Account: ENV-LOGIC Environmental Logic, LLCProject: 23-0001
Received: 11APR24 Due Date: 25APR24

Sample #	Client ID	Mat	PR	Collected
L2419731-14	SSG-6	11	S0	10APR24 15:05
TO15 SIM for 7 NYS DMCs Package Due Date: 04/25/24				
CAN-RENT,FLOW-RENT,TO15-LL				
L2419731-15	SSG-7	11	S0	10APR24 14:58
TO15 SIM for 7 NYS DMCs Package Due Date: 04/25/24				
CAN-RENT,FLOW-RENT,TO15-LL				
L2419731-16	SSG-8	11	S0	10APR24 15:49
TO15 SIM for 7 NYS DMCs Package Due Date: 04/25/24				
CAN-RENT,FLOW-RENT,TO15-LL				

Logged By: Richard Gaskill

AIR ANALYSIS

PAGE 1 OF 2

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/11/24

ALPHA Job #: L2419731

Client Information

Client: Environmental Logic, LLC
Address: 15 Princess Rd, Suite K
Lawrenceville, NJ
Phone: 6099100720
Fax:
Email: nmaksymiw@env-logic.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 245 W. 55th
Project Location: New York, NY
Project #: 23-0001
Project Manager: Gary Weissberger
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☑ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☒ Additional Deliverables: NYS category B
Report to: (if different than Project Manager)

Billing Information

☑ Same as Client info PO #: 21825

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: NYS category B Deliverables

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH Subset Non-petroleum HCs	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
19731-01	1A-1	4/10/24	709	1509	-30.43	-5.51	AA	NM	6	1695	01667	X					
-02	1A-2	4/10/24	701	1501	-30.59	-5.23	AA		6	1569	0578	X					
-03	1A-3		658	1458	-30.41	-3.75	AA		6	2389	0037	X					
-04	1A-4		702	1502	-30.40	-4.82	AA		6	2988	02485	X					
-05	1A-5		705	1505	-30.49	-5.19	AA		6	2939	01635	X					
-06	1A-6		704	1504	-30.19	-5.01	AA		6	3062	01536	X					
-07	AA-7		659	1459	-30.12	-5.35	AA		6	1941	01583	X					
-08	AA-8		748	1548	-30.47	-5.27	AA		6	927	01633	X					
-09	SSG-1		708	1508	-30.36	-3.49	SV		6	3347	01926	X					
-10	SSG-2		702	1502	-30.35	-3.98	SV		6	932	02169	X					

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: CS

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
Paul Maggeo	4/11/24 1030	Paul Maggeo	4/11/24 1630
Paul Maggeo	4/11/24 1335		4/11/24 1698
	4/11/24		4/11/24 2056

Form No: 10-132 Rev: 2 (Sep-15)

AIR ANALYSIS

PAGE 2 OF 2

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/11/24

ALPHA Job #: L2419731

Client Information

Client: Environmental Logic, LLC
Address: 15 Princess Rd, Suite K
Lawrenceville, NJ
Phone: 6099100720
Fax:
Email: nmaksymiw@env-logic.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 245 W. 55th
Project Location: New York, NY
Project #: 23-0001
Project Manager: Gary Weissberger
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☒ Additional Deliverables: NYS Category B
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #: 21825

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: NYS Category B Deliverables

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH Subtract Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
19731.11	SSG-3	4/10/24	659	1459	-30.36	-4.82	SV	NM	6	1036	0779	X					
.12	SSG-4		701	1501	-30.46	-4.10	SV		6	3944	0953	X					
.13	SSG-5		704	1504	-30.25	-4.28	SV		6	3063	01336	X					
.14	SSG-6		705	1505	-30.40	-3.83	SV		6	3574	0229	X					
.15	SSG-7		658	1458	-29.50	-4.01	SV		6	2940	01962	X					
.16	SSG-8		749	1549	-30.37	-3.89	SV		6	1517	0336	X					

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: 6S

Relinquished By:	Date/Time	Received By	Date/Time:
Mark Vogel Aty	4/11/24 1029	Paul Maggella Pam	4/11/24 1030
Paul Maggella	4/11/24 1355	Paul Maggella	4/11/24 1604
	4/11/24		4/11/24 2025

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Form No: 101-02 Rev: (25-Sep-15)

Supporting Documentation

Project Name: 245 W. 55TH

Project Number: 23-0001

Lab Number: L2419731

Report Date: 04/25/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2419731-01	IA-1	01667	Flow 4	04/08/24	461071		-	-	-	Pass	10.0	9.9	1
L2419731-01	IA-1	1695	6.0L Can	04/08/24	461071	L2417653-04	Pass	-29.4	-3.6	-	-	-	-
L2419731-02	IA-2	0578	Flow 4	04/08/24	461071		-	-	-	Pass	10.0	10.5	5
L2419731-02	IA-2	1569	6.0L Can	04/08/24	461071	L2417653-04	Pass	-29.4	-3.2	-	-	-	-
L2419731-03	IA-3	0037	Flow 5	04/08/24	461071		-	-	-	Pass	10.0	10.5	5
L2419731-03	IA-3	2389	6.0L Can	04/08/24	461071	L2417653-03	Pass	-29.4	-1.7	-	-	-	-
L2419731-04	IA-4	02485	Flow 4	04/08/24	461071		-	-	-	Pass	10.0	9.7	3
L2419731-04	IA-4	2988	6.0L Can	04/08/24	461071	L2417653-03	Pass	-29.4	-3.0	-	-	-	-
L2419731-05	IA-5	01635	Flow 4	04/08/24	461071		-	-	-	Pass	10.0	10.3	3
L2419731-05	IA-5	2939	6.0L Can	04/08/24	461071	L2417653-03	Pass	-29.4	-3.2	-	-	-	-
L2419731-06	IA-6	01536	Flow 4	04/08/24	461071		-	-	-	Pass	10.0	9.9	1
L2419731-06	IA-6	3062	6.0L Can	04/08/24	461071	L2417653-03	Pass	-29.4	-3.2	-	-	-	-
L2419731-07	AA-7	01583	Flow 4	04/08/24	461071		-	-	-	Pass	10.0	10.3	3
L2419731-07	AA-7	1941	6.0L Can	04/08/24	461071	L2417653-03	Pass	-29.4	-3.6	-	-	-	-
L2419731-08	AA-8	01633	Flow 4	04/08/24	461071		-	-	-	Pass	10.0	9.9	1

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2419731-08	AA-8	927	6.0L Can	04/08/24	461071	L2417653-04	Pass	-29.4	-3.7	-	-	-	-
L2419731-09	SSG-1	01926	Flow 2	04/08/24	461071		-	-	-	Pass	10.0	10.7	7
L2419731-09	SSG-1	3347	6.0L Can	04/08/24	461071	L2417653-03	Pass	-29.4	-1.9	-	-	-	-
L2419731-10	SSG-2	02169	Flow 2	04/08/24	461071		-	-	-	Pass	10.0	11.0	10
L2419731-10	SSG-2	932	6.0L Can	04/08/24	461071	L2417653-04	Pass	-29.4	-2.5	-	-	-	-
L2419731-11	SSG-3	0779	Flow 4	04/08/24	461071		-	-	-	Pass	10.0	10.6	6
L2419731-11	SSG-3	1036	6.0L Can	04/08/24	461071	L2417653-04	Pass	-29.4	-3.2	-	-	-	-
L2419731-12	SSG-4	0953	Flow 3	04/08/24	461071		-	-	-	Pass	10.0	10.8	8
L2419731-12	SSG-4	3944	6.0L Can	04/08/24	461071	L2417653-03	Pass	-29.4	-2.7	-	-	-	-
L2419731-13	SSG-5	02136	Flow 2	04/08/24	461071		-	-	-	Pass	10.0	11.1	10
L2419731-13	SSG-5	3063	6.0L Can	04/08/24	461071	L2417653-04	Pass	-29.4	-2.9	-	-	-	-
L2419731-14	SSG-6	0229	Flow 4	04/08/24	461071		-	-	-	Pass	10.0	10.7	7
L2419731-14	SSG-6	3574	6.0L Can	04/08/24	461071	L2417653-04	Pass	-29.4	-2.3	-	-	-	-
L2419731-15	SSG-7	01962	Flow 2	04/08/24	461071		-	-	-	Pass	10.0	10.6	6
L2419731-15	SSG-7	2940	6.0L Can	04/08/24	461071	L2417653-03	Pass	-29.4	-3.1	-	-	-	-

Project Name: 245 W. 55TH

Project Number: 23-0001

Lab Number: L2419731

Report Date: 04/25/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2419731-16	SSG-8	0336	Flow 1	04/08/24	461071		-	-	-	Pass	10.0	11.2	11
L2419731-16	SSG-8	1517	6.0L Can	04/08/24	462174	L2413189-06	Pass	-29.7	-2.7	-	-	-	-

Air Canister Certification Results

Lab ID: L2413189-06
Client ID: CAN 1820 SHELF 43
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/12/24 21:36
Analyst: JFI

Date Collected: 03/12/24 10:00
Date Received: 03/12/24
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Air Canister Certification Results

Lab ID: L2413189-06 Date Collected: 03/12/24 10:00
Client ID: CAN 1820 SHELF 43 Date Received: 03/12/24
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1

Air Canister Certification Results

Lab ID: L2413189-06 Date Collected: 03/12/24 10:00
Client ID: CAN 1820 SHELF 43 Date Received: 03/12/24
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air								
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1

Air Canister Certification Results

Lab ID: L2413189-06 Date Collected: 03/12/24 10:00
Client ID: CAN 1820 SHELF 43 Date Received: 03/12/24
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air								
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name:	BATCH CANISTER CERTIFICATION	***Lab Number:***	L2413189
Project Number:	CANISTER QC BAT	***Report Date:***	04/25/24

Air Canister Certification Results

Lab ID:	L2413189-06	Date Collected:	03/12/24 10:00
Client ID:	CAN 1820 SHELF 43	Date Received:	03/12/24
Sample Location:		Field Prep:	Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air								

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	90		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	88		60-140

Air Canister Certification Results

Lab ID: L2413189-06
Client ID: CAN 1820 SHELF 43
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/12/24 21:36
Analyst: JFI

Date Collected: 03/12/24 10:00
Date Received: 03/12/24
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Air Canister Certification Results

Lab ID: L2413189-06
Client ID: CAN 1820 SHELF 43
Sample Location:

Date Collected: 03/12/24 10:00
Date Received: 03/12/24
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1

Air Canister Certification Results

Lab ID: L2413189-06 Date Collected: 03/12/24 10:00
Client ID: CAN 1820 SHELF 43 Date Received: 03/12/24
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM								
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	84		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	89		60-140

Air Canister Certification Results

Lab ID: L2417653-03
Client ID: CAN 1811 SHELF 41
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/02/24 21:20
Analyst: JFI

Date Collected: 04/01/24 18:00
Date Received: 04/02/24
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Air Canister Certification Results

Lab ID: L2417653-03 Date Collected: 04/01/24 18:00
Client ID: CAN 1811 SHELF 41 Date Received: 04/02/24
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1

Air Canister Certification Results

Lab ID: L2417653-03 Date Collected: 04/01/24 18:00
Client ID: CAN 1811 SHELF 41 Date Received: 04/02/24
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air								
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1

Air Canister Certification Results

Lab ID: L2417653-03 Date Collected: 04/01/24 18:00
Client ID: CAN 1811 SHELF 41 Date Received: 04/02/24
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air								
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Air Canister Certification Results

Lab ID: L2417653-03 Date Collected: 04/01/24 18:00
Client ID: CAN 1811 SHELF 41 Date Received: 04/02/24
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	95		60-140

Air Canister Certification Results

Lab ID: L2417653-03
Client ID: CAN 1811 SHELF 41
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/02/24 21:20
Analyst: JFI

Date Collected: 04/01/24 18:00
Date Received: 04/02/24
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Air Canister Certification Results

Lab ID: L2417653-03 Date Collected: 04/01/24 18:00
Client ID: CAN 1811 SHELF 41 Date Received: 04/02/24
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1

Air Canister Certification Results

Lab ID: L2417653-03 Date Collected: 04/01/24 18:00
Client ID: CAN 1811 SHELF 41 Date Received: 04/02/24
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM								
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	95		60-140

Air Canister Certification Results

Lab ID: L2417653-04
Client ID: CAN 1528 SHELF 42
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/02/24 21:59
Analyst: JFI

Date Collected: 04/01/24 18:00
Date Received: 04/02/24
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Air Canister Certification Results

Lab ID: L2417653-04
Client ID: CAN 1528 SHELF 42
Sample Location:

Date Collected: 04/01/24 18:00
Date Received: 04/02/24
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1

Air Canister Certification Results

Lab ID: L2417653-04
Client ID: CAN 1528 SHELF 42
Sample Location:

Date Collected: 04/01/24 18:00
Date Received: 04/02/24
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air								
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1

Air Canister Certification Results

Lab ID: L2417653-04
Client ID: CAN 1528 SHELF 42
Sample Location:

Date Collected: 04/01/24 18:00
Date Received: 04/02/24
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air								
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Air Canister Certification Results

Lab ID: L2417653-04 Date Collected: 04/01/24 18:00
Client ID: CAN 1528 SHELF 42 Date Received: 04/02/24
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	95		60-140

Air Canister Certification Results

Lab ID: L2417653-04
Client ID: CAN 1528 SHELF 42
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/02/24 21:59
Analyst: JFI

Date Collected: 04/01/24 18:00
Date Received: 04/02/24
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Air Canister Certification Results

Lab ID: L2417653-04 Date Collected: 04/01/24 18:00
Client ID: CAN 1528 SHELF 42 Date Received: 04/02/24
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1

Air Canister Certification Results

Lab ID: L2417653-04
Client ID: CAN 1528 SHELF 42
Sample Location:

Date Collected: 04/01/24 18:00
Date Received: 04/02/24
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM								
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	94		60-140

Organics

Volatile Organics in Air
TO-15 Low Level

Volatiles QC Summary

Lab Duplicate Sample Summary
Form 3
Air Volatiles

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Client Sample ID	: IA-5	**Matrix (Level)**	: AIR (LOW)
Lab Sample ID	: L2419731-05	**Analysis Date**	: 04/23/24 23:09
Lab File ID	: R330571	**DUP File ID**	: r330572
Dup Sample ID	: WG1912266-5	**DUP Analysis Date**	: 04/23/24 23:50

Parameter	Sample Concentration (ppbV)	Duplicate Concentration (ppbV)	RPD	RPD Limit
Dichlorodifluoromethane	0.424	0.428	1	25
Chloromethane	0.482	0.487	1	25
Freon-114	ND	ND	NC	25
1,3-Butadiene	ND	ND	NC	25
Bromomethane	ND	ND	NC	25
Chloroethane	ND	ND	NC	25
Ethanol	40.5	41.3	2	25
Vinyl bromide	ND	ND	NC	25
Acetone	104	95.6	8	25
Trichlorofluoromethane	0.252	0.252	0	25
Isopropanol	2.58	2.60	1	25
Tertiary butyl Alcohol	ND	ND	NC	25
Methylene chloride	ND	ND	NC	25
3-Chloropropene	ND	ND	NC	25
Carbon disulfide	ND	ND	NC	25
Freon-113	ND	ND	NC	25
trans-1,2-Dichloroethene	ND	ND	NC	25
1,1-Dichloroethane	ND	ND	NC	25
Methyl tert butyl ether	ND	ND	NC	25
2-Butanone	1.77	1.82	3	25
Ethyl Acetate	ND	ND	NC	25
Chloroform	ND	ND	NC	25
Tetrahydrofuran	2.62	2.61	0	25
1,2-Dichloroethane	ND	ND	NC	25
n-Hexane	1.80	1.80	0	25

Lab Duplicate Sample Summary
Form 3
Air Volatiles

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Client Sample ID	: IA-5	**Matrix (Level)**	: AIR (LOW)
Lab Sample ID	: L2419731-05	**Analysis Date**	: 04/23/24 23:09
Lab File ID	: R330571	**DUP File ID**	: r330572
Dup Sample ID	: WG1912266-5	**DUP Analysis Date**	: 04/23/24 23:50

Parameter	Sample Concentration (ppbV)	Duplicate Concentration (ppbV)	RPD	RPD Limit
Benzene	0.280	0.278	1	25
Cyclohexane	0.210	0.205	2	25
1,2-Dichloropropane	ND	ND	NC	25
Bromodichloromethane	ND	ND	NC	25
1,4-Dioxane	ND	ND	NC	25
2,2,4-Trimethylpentane	ND	ND	NC	25
Heptane	0.228	0.229	0	25
cis-1,3-Dichloropropene	ND	ND	NC	25
4-Methyl-2-pentanone	ND	ND	NC	25
trans-1,3-Dichloropropene	ND	ND	NC	25
1,1,2-Trichloroethane	ND	ND	NC	25
Toluene	0.543	0.553	2	25
2-Hexanone	ND	ND	NC	25
Dibromochloromethane	ND	ND	NC	25
1,2-Dibromoethane	ND	ND	NC	25
Chlorobenzene	ND	ND	NC	25
Ethylbenzene	0.227	0.229	1	25
p/m-Xylene	0.931	0.935	0	25
Bromoform	ND	ND	NC	25
Styrene	ND	ND	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	NC	25
o-Xylene	0.412	0.422	2	25
4-Ethyltoluene	ND	ND	NC	25
1,3,5-Trimethylbenzene	0.233	0.233	0	25
1,2,4-Trimethylbenzene	0.845	0.867	3	25

Lab Duplicate Sample Summary
Form 3
Air Volatiles

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Client Sample ID	: IA-5	**Matrix (Level)**	: AIR (LOW)
Lab Sample ID	: L2419731-05	**Analysis Date**	: 04/23/24 23:09
Lab File ID	: R330571	**DUP File ID**	: r330572
Dup Sample ID	: WG1912266-5	**DUP Analysis Date**	: 04/23/24 23:50

Parameter	Sample Concentration (ppbV)	Duplicate Concentration (ppbV)	RPD	RPD Limit
Benzyl chloride	ND	ND	NC	25
1,3-Dichlorobenzene	ND	ND	NC	25
1,4-Dichlorobenzene	ND	ND	NC	25
1,2-Dichlorobenzene	ND	ND	NC	25
1,2,4-Trichlorobenzene	ND	ND	NC	25
Naphthalene	ND	ND	NC	25
Hexachlorobutadiene	ND	ND	NC	25

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG1912266-3	**Analysis Date** : 04/23/24 13:44	**File ID** : r330561
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ppbV)	Found (ppbV)	%R	True (ppbV)	Found (ppbV)	%R	RPD	Recovery Limits	RPD Limit
Dichlorodifluoromethane	10	9.00	90				-	70-130	-
Chloromethane	10	7.14	71				-	70-130	-
Freon-114	10	8.92	89				-	70-130	-
Vinyl chloride	10	9.96	100				-	70-130	-
1,3-Butadiene	10	9.25	92				-	70-130	-
Bromomethane	10	9.89	99				-	70-130	-
Chloroethane	10	9.84	98				-	70-130	-
Ethanol	50	46.8	94				-	40-160	-
Vinyl bromide	10	10.8	108				-	70-130	-
Acetone	50	39.1	78				-	40-160	-
Trichlorofluoromethane	10	10.5	105				-	70-130	-
Isopropanol	25	17.6	70				-	40-160	-
1,1-Dichloroethene	10	9.70	97				-	70-130	-
Tertiary butyl Alcohol	10	10.4	104				-	70-130	-
Methylene chloride	10	9.55	96				-	70-130	-
3-Chloropropene	10	8.29	83				-	70-130	-
Carbon disulfide	10	8.12	81				-	70-130	-
Freon-113	10	10.2	102				-	70-130	-
trans-1,2-Dichloroethene	10	10.1	101				-	70-130	-
1,1-Dichloroethane	10	9.87	99				-	70-130	-
Methyl tert butyl ether	10	8.65	86				-	70-130	-
2-Butanone	10	7.76	78				-	70-130	-
cis-1,2-Dichloroethene	10	10.5	105				-	70-130	-
Ethyl Acetate	10	10.9	109				-	70-130	-
Chloroform	10	9.76	98				-	70-130	-
Tetrahydrofuran	10	7.54	75				-	70-130	-

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG1912266-3	**Analysis Date** : 04/23/24 13:44	**File ID** : r330561
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ppbV)	Found (ppbV)	%R	True (ppbV)	Found (ppbV)	%R	RPD	Recovery Limits	RPD Limit
1,2-Dichloroethane	10	9.88	99				-	70-130	-
n-Hexane	10	11.8	118				-	70-130	-
1,1,1-Trichloroethane	10	11.2	112				-	70-130	-
Benzene	10	8.72	87				-	70-130	-
Carbon tetrachloride	10	10.2	102				-	70-130	-
Cyclohexane	10	11.9	119				-	70-130	-
1,2-Dichloropropane	10	10.4	104				-	70-130	-
Bromodichloromethane	10	10.8	108				-	70-130	-
1,4-Dioxane	10	11.3	113				-	70-130	-
Trichloroethene	10	11.1	111				-	70-130	-
2,2,4-Trimethylpentane	10	12.0	120				-	70-130	-
Heptane	10	8.86	89				-	70-130	-
cis-1,3-Dichloropropene	10	9.33	93				-	70-130	-
4-Methyl-2-pentanone	10	8.79	88				-	70-130	-
trans-1,3-Dichloropropene	10	9.64	96				-	70-130	-
1,1,2-Trichloroethane	10	11.2	112				-	70-130	-
Toluene	10	9.25	92				-	70-130	-
2-Hexanone	10	7.42	74				-	70-130	-
Dibromochloromethane	10	9.85	98				-	70-130	-
1,2-Dibromoethane	10	8.38	84				-	70-130	-
Tetrachloroethene	10	8.97	90				-	70-130	-
Chlorobenzene	10	8.20	82				-	70-130	-
Ethylbenzene	10	9.17	92				-	70-130	-
p/m-Xylene	20	18.8	94				-	70-130	-
Bromoform	10	10.2	102				-	70-130	-
Styrene	10	8.64	86				-	70-130	-

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG1912266-3	**Analysis Date** : 04/23/24 13:44	**File ID** : r330561
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (ppbV)**	**Found (ppbV)**	**%R**	**True (ppbV)**	**Found (ppbV)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
1,1,2,2-Tetrachloroethane	10	9.11	91				-	70-130	-
o-Xylene	10	9.40	94				-	70-130	-
4-Ethyltoluene	10	8.47	85				-	70-130	-
1,3,5-Trimethylbenzene	10	8.79	88				-	70-130	-
1,2,4-Trimethylbenzene	10	8.79	88				-	70-130	-
Benzyl chloride	10	9.04	90				-	70-130	-
1,3-Dichlorobenzene	10	9.56	96				-	70-130	-
1,4-Dichlorobenzene	10	9.09	91				-	70-130	-
1,2-Dichlorobenzene	10	9.32	93				-	70-130	-
1,2,4-Trichlorobenzene	10	10.7	107				-	70-130	-
Naphthalene	10	9.25	92				-	70-130	-
Hexachlorobutadiene	10	10.2	102				-	70-130	-

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client : Environmental Logic, LLC **Lab Number** : L2419731
Project Name : 245 W. 55TH **Project Number** : 23-0001
Matrix (Level) : SOIL_VAPOR (LOW)
LCS Sample ID : WG1912849-3 **Analysis Date** : 04/24/24 12:44 **File ID** : r330586
LCSD Sample ID : **Analysis Date** : **File ID** :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ppbV)	Found (ppbV)	%R	True (ppbV)	Found (ppbV)	%R	RPD	Recovery Limits	RPD Limit
Dichlorodifluoromethane	10	8.71	87				-	70-130	-
Chloromethane	10	7.18	72				-	70-130	-
Freon-114	10	9.10	91				-	70-130	-
Vinyl chloride	10	9.90	99				-	70-130	-
1,3-Butadiene	10	9.31	93				-	70-130	-
Bromomethane	10	9.83	98				-	70-130	-
Chloroethane	10	9.73	97				-	70-130	-
Ethanol	50	45.6	91				-	40-160	-
Vinyl bromide	10	11.1	111				-	70-130	-
Acetone	50	43.0	86				-	40-160	-
Trichlorofluoromethane	10	10.6	106				-	70-130	-
Isopropanol	25	19.0	76				-	40-160	-
1,1-Dichloroethene	10	11.5	115				-	70-130	-
Tertiary butyl Alcohol	10	11.0	110				-	70-130	-
Methylene chloride	10	9.38	94				-	70-130	-
3-Chloropropene	10	8.69	87				-	70-130	-
Carbon disulfide	10	8.52	85				-	70-130	-
Freon-113	10	10.2	102				-	70-130	-
trans-1,2-Dichloroethene	10	10.4	104				-	70-130	-
1,1-Dichloroethane	10	10.0	100				-	70-130	-
Methyl tert butyl ether	10	9.06	91				-	70-130	-
2-Butanone	10	8.07	81				-	70-130	-
cis-1,2-Dichloroethene	10	10.6	106				-	70-130	-
Ethyl Acetate	10	11.1	111				-	70-130	-
Chloroform	10	9.76	98				-	70-130	-
Tetrahydrofuran	10	7.90	79				-	70-130	-

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Matrix (Level)	: SOIL_VAPOR (LOW)		
LCS Sample ID	: WG1912849-3 **Analysis Date** : 04/24/24 12:44	**File ID**	: r330586
LCSD Sample ID	: **Analysis Date** :	**File ID**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ppbV)	Found (ppbV)	%R	True (ppbV)	Found (ppbV)	%R	RPD	Recovery Limits	RPD Limit
1,2-Dichloroethane	10	10.0	100				-	70-130	-
n-Hexane	10	11.4	114				-	70-130	-
1,1,1-Trichloroethane	10	10.9	109				-	70-130	-
Benzene	10	8.57	86				-	70-130	-
Carbon tetrachloride	10	9.88	99				-	70-130	-
Cyclohexane	10	11.6	116				-	70-130	-
1,2-Dichloropropane	10	10.2	102				-	70-130	-
Bromodichloromethane	10	10.6	106				-	70-130	-
1,4-Dioxane	10	11.1	111				-	70-130	-
Trichloroethene	10	10.8	108				-	70-130	-
2,2,4-Trimethylpentane	10	11.8	118				-	70-130	-
Heptane	10	8.91	89				-	70-130	-
cis-1,3-Dichloropropene	10	9.22	92				-	70-130	-
4-Methyl-2-pentanone	10	8.81	88				-	70-130	-
trans-1,3-Dichloropropene	10	9.58	96				-	70-130	-
1,1,2-Trichloroethane	10	11.1	111				-	70-130	-
Toluene	10	9.28	93				-	70-130	-
2-Hexanone	10	7.71	77				-	70-130	-
Dibromochloromethane	10	10.3	103				-	70-130	-
1,2-Dibromoethane	10	8.73	87				-	70-130	-
Tetrachloroethene	10	9.30	93				-	70-130	-
Chlorobenzene	10	8.45	84				-	70-130	-
Ethylbenzene	10	9.28	93				-	70-130	-
p/m-Xylene	20	19.0	95				-	70-130	-
Bromoform	10	10.8	108				-	70-130	-
Styrene	10	8.87	89				-	70-130	-

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Matrix (Level)	: SOIL_VAPOR (LOW)		
LCS Sample ID	: WG1912849-3 **Analysis Date** : 04/24/24 12:44	**File ID**	: r330586
LCSD Sample ID	: **Analysis Date** :	**File ID**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ppbV)	Found (ppbV)	%R	True (ppbV)	Found (ppbV)	%R	RPD	Recovery Limits	RPD Limit
1,1,2,2-Tetrachloroethane	10	9.10	91				-	70-130	-
o-Xylene	10	9.48	95				-	70-130	-
4-Ethyltoluene	10	9.04	90				-	70-130	-
1,3,5-Trimethylbenzene	10	9.02	90				-	70-130	-
1,2,4-Trimethylbenzene	10	8.89	89				-	70-130	-
Benzyl chloride	10	9.57	96				-	70-130	-
1,3-Dichlorobenzene	10	9.68	97				-	70-130	-
1,4-Dichlorobenzene	10	9.26	93				-	70-130	-
1,2-Dichlorobenzene	10	9.27	93				-	70-130	-
1,2,4-Trichlorobenzene	10	9.80	98				-	70-130	-
Naphthalene	10	9.84	98				-	70-130	-
Hexachlorobutadiene	10	9.48	95				-	70-130	-

Method Blank Summary
Form 4
Air Volatiles

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab Sample ID	: WG1912266-4	**Lab File ID**	: r330563
Instrument ID	: AIRPIANO3		
Matrix	: AIR	**Analysis Date**	: 04/23/24 17:47

Client Sample No.	Lab Sample ID	Analysis Date
WG1912266-3LCS	WG1912266-3	04/23/24 13:44
AA-7	L2419731-07	04/23/24 19:07
AA-8	L2419731-08	04/23/24 19:48
IA-1	L2419731-01	04/23/24 20:28
IA-2	L2419731-02	04/23/24 21:08
IA-3	L2419731-03	04/23/24 21:48
IA-4	L2419731-04	04/23/24 22:28
IA-5	L2419731-05	04/23/24 23:09
IA-5DUP	WG1912266-5	04/23/24 23:50
IA-6	L2419731-06	04/24/24 00:30

Method Blank Summary
Form 4
Air Volatiles

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab Sample ID	: WG1912849-4	**Lab File ID**	: r330588
Instrument ID	: AIRPIANO3		
Matrix	: SOIL_VAPOR	**Analysis Date**	: 04/24/24 15:04

Client Sample No.	Lab Sample ID	Analysis Date
WG1912849-3LCS	WG1912849-3	04/24/24 12:44
SVP-1DUP	WG1912849-5	04/25/24 01:13
SSG-1	L2419731-09D	04/25/24 02:31
SSG-2	L2419731-10	04/25/24 03:11
SSG-3	L2419731-11	04/25/24 03:51
SSG-4	L2419731-12	04/25/24 04:32
SSG-5	L2419731-13	04/25/24 05:12
SSG-6	L2419731-14D	04/25/24 05:48
SSG-7	L2419731-15	04/25/24 06:28
SSG-8	L2419731-16	04/25/24 07:08

Instrument Performance Check (Tune) Summary
Form 5
Air Volatiles
Bromofluorobenzene (BFB)

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Instrument ID	: AIRPIANO3	**Analysis Date**	: 04/01/24 17:43
Tune Standard	: WG1904448-1	**Tune File ID**	: R330088_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	12.4
75	30.0 - 66.0% of mass 95	39.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (.9)1
174	50.0 - 120.0% of mass 95	72.8
175	4.0 - 9.0% of mass 174	5.3 (7.3)1
176	93.0 - 101% of mass 174	71.1 (97.7)1
177	5.0 - 9.0% of mass 176	4.6 (6.5)2

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

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.2	R1813072-1	R330093	04/02/24 04:58
STD0.5	R1813072-2	R330094	04/02/24 05:39
STD1.0	R1813072-3	R330095	04/02/24 06:21
STD5.0	R1813072-4	R330096	04/02/24 07:02
STD010	R1813072-5	R330097	04/02/24 07:44
STD020	R1813072-7	R330098	04/02/24 08:23
STD050	R1813072-6	R330099	04/02/24 09:04
STD100	R1813072-8	R330100	04/02/24 09:46
ICV QUANT	R1813072-9	R330103	04/02/24 13:09

Instrument Performance Check (Tune) Summary
Form 5
Air Volatiles
Bromofluorobenzene (BFB)

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Instrument ID	: AIRPIANO3	**Analysis Date**	: 04/23/24 13:01
Tune Standard	: WG1912266-1	**Tune File ID**	: r330560_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	12.5
75	30.0 - 66.0% of mass 95	34.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.4 (.6)1
174	50.0 - 120.0% of mass 95	73.8
175	4.0 - 9.0% of mass 174	5.3 (7.1)1
176	93.0 - 101% of mass 174	72.3 (98.1)1
177	5.0 - 9.0% of mass 176	4.8 (6.6)2

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

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1912266-2CCAL	WG1912266-2	R330561	04/23/24 13:44
WG1912266-3LCS	WG1912266-3	R330561	04/23/24 13:44
WG1912266-4BLANK	WG1912266-4	R330563	04/23/24 17:47
AA-7	L2419731-07	R330565	04/23/24 19:07
AA-8	L2419731-08	R330566	04/23/24 19:48
IA-1	L2419731-01	R330567	04/23/24 20:28
IA-2	L2419731-02	R330568	04/23/24 21:08
IA-3	L2419731-03	R330569	04/23/24 21:48
IA-4	L2419731-04	R330570	04/23/24 22:28
IA-5	L2419731-05	R330571	04/23/24 23:09
WG1912266-5DUP	WG1912266-5	R330572	04/23/24 23:50
IA-6	L2419731-06	R330573	04/24/24 00:30

Instrument Performance Check (Tune) Summary
Form 5
Air Volatiles
Bromofluorobenzene (BFB)

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Instrument ID	: AIRPIANO3	**Analysis Date**	: 04/24/24 10:38
Tune Standard	: WG1912849-1	**Tune File ID**	: r330583_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	12
75	30.0 - 66.0% of mass 95	34.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.5 (.6)1
174	50.0 - 120.0% of mass 95	74.2
175	4.0 - 9.0% of mass 174	5.4 (7.3)1
176	93.0 - 101% of mass 174	72.9 (98.2)1
177	5.0 - 9.0% of mass 176	4.9 (6.7)2

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

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1912849-2CCAL	WG1912849-2	R330584	04/24/24 11:20
WG1912849-3LCS	WG1912849-3	R330586	04/24/24 12:44
WG1912849-4BLANK	WG1912849-4	R330588	04/24/24 15:04
WG1912849-5DUP	WG1912849-5	R330600	04/25/24 01:13
SSG-1	L2419731-09D	R330602	04/25/24 02:31
SSG-2	L2419731-10	R330603	04/25/24 03:11
SSG-3	L2419731-11	R330604	04/25/24 03:51
SSG-4	L2419731-12	R330605	04/25/24 04:32
SSG-5	L2419731-13	R330606	04/25/24 05:12
SSG-6	L2419731-14D	R330607	04/25/24 05:48
SSG-7	L2419731-15	R330608	04/25/24 06:28
SSG-8	L2419731-16	R330609	04/25/24 07:08

Internal Standard Area and RT Summary
Form 8a
Air Volatiles

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Instrument ID	: AIRPIANO3	**Analysis Date**	: 04/23/24 13:44:00
Sample No	: WG1912266-2	**Lab File ID**	: R330561

	Bromochloromethane		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
WG1912266-2	361003	8.81	1163384	11.05	169079	15.81
Upper Limit	505404	9.14	1628738	11.38	236711	16.14
Lower Limit	216602	8.48	698030	10.72	101447	15.48
Sample ID						
WG1912266-3 LCS	361003	8.81	1163384	11.05	169079	15.81
WG1912266-4 BLANK	343842	8.82	1144296	11.05	159671	15.81
AA-7	345828	8.83	1098317	11.05	163211	15.82
AA-8	355820	8.82	1144586	11.05	169522	15.82
IA-1	356937	8.82	1166607	11.05	169479	15.82
IA-2	354359	8.82	1145867	11.05	170227	15.82
IA-3	354644	8.82	1167140	11.05	174903	15.82
IA-4	347609	8.82	1139678	11.05	170887	15.82
IA-5	346526	8.82	1133317	11.05	171777	15.82
IA-5 DUP	341476	8.83	1120261	11.05	168614	15.82
IA-6	341957	8.83	1125694	11.06	172151	15.82

Area Upper Limit = +40% of internal standard area
Area Lower Limit = - 40% of internal standard area

RT Upper Limit = +0.33 minutes of internal standard RT
RT Lower Limit = -0.33 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Air Volatiles

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Instrument ID	: AIRPIANO3	**Analysis Date**	: 04/24/24 11:20:00
Sample No	: WG1912849-2	**Lab File ID**	: R330584

	Bromochloromethane		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
WG1912849-2	349686	8.84	1160525	11.07	168249	15.83
Upper Limit	489560	9.17	1624735	11.40	235549	16.16
Lower Limit	209812	8.51	696315	10.74	100949	15.50
Sample ID						
WG1912849-3 LCS	357532	8.84	1195845	11.07	166889	15.83
WG1912849-4 BLANK	341895	8.84	1162883	11.07	163537	15.83
SVP-1 DUP	356721	8.80	1259766	11.03	173126	15.80
SSG-1	357223	8.80	1230332	11.03	166594	15.80
SSG-2	346415	8.80	1183202	11.03	170559	15.80
SSG-3	351002	8.80	1202910	11.03	170198	15.80
SSG-4	350227	8.80	1192042	11.03	173793	15.80
SSG-5	354065	8.79	1216898	11.03	175921	15.80
SSG-6	360075	8.79	1224431	11.03	173121	15.80
SSG-7	347849	8.79	1165853	11.03	169544	15.79
SSG-8	353223	8.79	1206795	11.03	175430	15.79

Area Upper Limit = +40% of internal standard area
Area Lower Limit = - 40% of internal standard area

RT Upper Limit = +0.33 minutes of internal standard RT
RT Lower Limit = -0.33 minutes of internal standard RT

* Values outside of QC limits

Date Created: 01/09/24
Created By: Jason Hebert
File: PM15856-1
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Volatile Organics in Air: TO-15 (AIR)

Holding Time: 30 days
Container/Sample Preservation: 1 - Canister - 2.7 Liter

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,1,1-Trichloroethane	71-55-6	0.2	0.0614	ppbV	70-130			25	25			
1,1,2,2-Tetrachloroethane	79-34-5	0.2	0.052	ppbV	70-130			25	25			
1,1,2-Trichloroethane	79-00-5	0.2	0.0582	ppbV	70-130			25	25			
1,1-Dichloroethane	75-34-3	0.2	0.0568	ppbV	70-130			25	25			
1,1-Dichloroethene	75-35-4	0.2	0.0568	ppbV	70-130			25	25			
1,2,3-Trimethylbenzene	526-73-8	0.2	0.0576	ppbV	70-130			25	25			
1,2,4-Trichlorobenzene	120-82-1	0.2	0.1	ppbV	70-130			25	25			
1,2,4-Trimethylbenzene	95-63-6	0.2	0.0577	ppbV	70-130			25	25			
1,2,4,5-Tetramethylbenzene	95-93-2	0.2	0.135	ppbV	70-130			25	25			
1,2-Dibromoethane	106-93-4	0.2	0.0544	ppbV	70-130			25	25			
1,2-Dichlorobenzene	95-50-1	0.2	0.0619	ppbV	70-130			25	25			
1,2-Dichloroethane	107-06-2	0.2	0.0787	ppbV	70-130			25	25			
1,2-Dichloropropane	78-87-5	0.2	0.0631	ppbV	70-130			25	25			
1,3,5-Trimethylbenzene	108-67-8	0.2	0.06	ppbV	70-130			25	25			
1,3-Butadiene	106-99-0	0.2	0.0619	ppbV	70-130			25	25			
1,3-Dichlorobenzene	541-73-1	0.2	0.0777	ppbV	70-130			25	25			
1,4-Dichlorobenzene	106-46-7	0.2	0.0826	ppbV	70-130			25	25			
1,4-Dioxane	123-91-1	0.2	0.0538	ppbV	70-130			25	25			
2,2,4-Trimethylpentane	540-84-1	0.2	0.0692	ppbV	70-130			25	25			
2-Butanone	78-93-3	0.5	0.099	ppbV	70-130			25	25			
2-Hexanone	591-78-6	0.2	0.0912	ppbV	70-130			25	25			
2-Methylthiophene	554-14-3	0.2	0.0622	ppbV	70-130			25	25			
3-Methylthiophene	616-44-4	0.2	0.0634	ppbV	70-130			25	25			
3-Chloropropene	107-05-1	0.2	0.086	ppbV	70-130			25	25			
2-Ethylthiophene	872-55-9	0.2	0.0612	ppbV	70-130			25	25			
4-Ethyltoluene	622-96-8	0.2	0.0554	ppbV	70-130			25	25			
Acetone	67-64-1	1	0.515	ppbV	40-160			25	25			
Benzene	71-43-2	0.2	0.0643	ppbV	70-130			25	25			
Benzyl chloride	100-44-7	0.2	0.0939	ppbV	70-130			25	25			
Benzothiophene	95-15-8	0.5	0.273	ppbV	70-130			25	25			
Bromodichloromethane	75-27-4	0.2	0.0689	ppbV	70-130			25	25			
Bromoform	75-25-2	0.2	0.0596	ppbV	70-130			25	25			
Bromomethane	74-83-9	0.2	0.0547	ppbV	70-130			25	25			
Carbon disulfide	75-15-0	0.2	0.0465	ppbV	70-130			25	25			
Carbon tetrachloride	56-23-5	0.2	0.0686	ppbV	70-130			25	25			
Chlorobenzene	108-90-7	0.2	0.0516	ppbV	70-130			25	25			
Chloroethane	75-00-3	0.2	0.0649	ppbV	70-130			25	25			
Chloroform	67-66-3	0.2	0.0552	ppbV	70-130			25	25			
Chloromethane	74-87-3	0.2	0.0576	ppbV	70-130			25	25			
cis-1,2-Dichloroethene	156-59-2	0.2	0.0595	ppbV	70-130			25	25			
cis-1,3-Dichloropropene	10061-01-5	0.2	0.0674	ppbV	70-130			25	25			
Cyclohexane	110-82-7	0.2	0.0728	ppbV	70-130			25	25			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
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Volatile Organics in Air: TO-15 (AIR)

Holding Time: 30 days
Container/Sample Preservation: 1 - Canister - 2.7 Liter

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dibromochloromethane	124-48-1	0.2	0.0566	ppbV	70-130			25	25			
Dichlorodifluoromethane	75-71-8	0.2	0.0757	ppbV	70-130			25	25			
Ethyl Alcohol	GCDAI06	5	1.74	ppbV	40-160			25	25			
Ethyl Acetate	141-78-6	0.5	0.297	ppbV	70-130			25	25			
Ethylbenzene	100-41-4	0.2	0.0575	ppbV	70-130			25	25			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	0.2	0.0506	ppbV	70-130			25	25			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	76-14-2	0.2	0.0504	ppbV	70-130			25	25			
Hexachlorobutadiene	87-68-3	0.2	0.0607	ppbV	70-130			25	25			
iso-Propyl Alcohol	67-63-0	0.5	0.272	ppbV	40-160			25	25			
Methylene chloride	75-09-2	0.5	0.125	ppbV	70-130			25	25			
4-Methyl-2-pentanone	108-10-1	0.5	0.19	ppbV	70-130			25	25			
Methyl tert butyl ether	1634-04-4	0.2	0.045	ppbV	70-130			25	25			
Methyl Methacrylate	80-62-6	0.5	0.226	ppbV	40-160			25	25			
p/m-Xylene	179601-23-1	0.4	0.125	ppbV	70-130			25	25			
o-Xylene	95-47-6	0.2	0.0621	ppbV	70-130			25	25			
Xylene (Total)	1330-20-7	0.2	0.0621	ppbV				25	25			
Heptane	142-82-5	0.2	0.0828	ppbV	70-130			25	25			
n-Heptane	142-82-5	0.2	0.0828	ppbV	70-130			25	25			
n-Hexane	110-54-3	0.2	0.0743	ppbV	70-130			25	25			
Propylene	115-07-1	0.5	0.135	ppbV	70-130			25	25			
Styrene	100-42-5	0.2	0.0596	ppbV	70-130			25	25			
Tetrachloroethene	127-18-4	0.2	0.0627	ppbV	70-130			25	25			
Thiophene	110-02-1	0.2	0.052	ppbV	70-130			25	25			
Tetrahydrofuran	109-99-9	0.5	0.117	ppbV	70-130			25	25			
Toluene	108-88-3	0.2	0.0867	ppbV	70-130			25	25			
trans-1,2-Dichloroethene	156-60-5	0.2	0.0755	ppbV	70-130			25	25			
1,2-Dichloroethene (total)	540-59-0	0.2	0.0595	ppbV				25	25			
trans-1,3-Dichloropropene	10061-02-6	0.2	0.0783	ppbV	70-130			25	25			
1,3-Dichloropropene, Total	542-75-6	0.2	0.0674	ppbV				25	25			
Trichloroethene	79-01-6	0.2	0.0548	ppbV	70-130			25	25			
Trichlorofluoromethane	75-69-4	0.2	0.0787	ppbV	70-130			25	25			
Vinyl acetate	108-05-4	1	0.323	ppbV	70-130			25	25			
Vinyl bromide	593-60-2	0.2	0.0722	ppbV	70-130			25	25			
Vinyl chloride	75-01-4	0.2	0.0582	ppbV	70-130			25	25			
Naphthalene	91-20-3	0.2	0.078	ppbV	70-130			25	25			
Total HC As Hexane	NONE	10	0.0743	ppbV	70-130			25	25			
Total VOCs As Toluene	NONE	10	0.0867	ppbV	70-130			25	25			
Propane	74-98-6	0.5	0.152	ppbV	70-130			25	25			
Acrylonitrile	107-13-1	0.5	0.0894	ppbV	70-130			25	25			
Acrolein	107-02-8	0.5	0.149	ppbV	60-113			25	25			
1,1,1,2-Tetrachloroethane	630-20-6	0.2	0.0508	ppbV	70-130			25	25			
Isopropylbenzene	98-82-8	0.2	0.0621	ppbV	70-130			25	25			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

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Volatile Organics in Air: TO-15 (AIR)

Holding Time: 30 days
Container/Sample Preservation: 1 - Canister - 2.7 Liter

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,2,3-Trichloropropane	96-18-4	0.2	0.0575	ppbV	70-130			25	25			
Acetonitrile	75-05-8	0.2	0.101	ppbV	70-130			25	25			
Bromobenzene	108-86-1	0.2	0.0579	ppbV	70-130			25	25			
Chlorodifluoromethane	75-45-6	0.2	0.0463	ppbV	70-130			25	25			
Dichlorofluoromethane	75-43-4	0.2	0.112	ppbV	70-130			25	25			
Dibromomethane	74-95-3	0.2	0.0598	ppbV	70-130			25	25			
Pentane	109-66-0	0.2	0.113	ppbV	70-130			25	25			
Octane	111-65-9	0.2	0.0676	ppbV	70-130			25	25			
Tertiary-Amyl Methyl Ether	994-05-8	0.2	0.0672	ppbV	70-130			25	25			
o-Chlorotoluene	95-49-8	0.2	0.0761	ppbV	70-130			25	25			
p-Chlorotoluene	106-43-4	0.2	0.0765	ppbV	70-130			25	25			
2,2-Dichloropropane	594-20-7	0.2	0.0429	ppbV	70-130			25	25			
1,1-Dichloropropene	563-58-6	0.2	0.0593	ppbV	70-130			25	25			
Isopropyl Ether	108-20-3	0.2	0.0631	ppbV	70-130			25	25			
Ethyl-Tert-Butyl-Ether	637-92-3	0.2	0.0731	ppbV	70-130			25	25			
1,2,3-Trichlorobenzene	87-61-6	0.2	0.0738	ppbV	70-130			25	25			
Ethyl ether	60-29-7	0.2	0.0853	ppbV	70-130			25	25			
n-Butylbenzene	104-51-8	0.2	0.0536	ppbV	70-130			25	25			
sec-Butylbenzene	135-98-8	0.2	0.0547	ppbV	70-130			25	25			
tert-Butylbenzene	98-06-6	0.2	0.0551	ppbV	70-130			25	25			
1,2-Dibromo-3-chloropropane	96-12-8	0.2	0.0624	ppbV	70-130			25	25			
p-Isopropyltoluene	99-87-6	0.2	0.0567	ppbV	70-130			25	25			
n-Propylbenzene	103-65-1	0.2	0.0633	ppbV	70-130			25	25			
1,3-Dichloropropane	142-28-9	0.2	0.0536	ppbV	70-130			25	25			
Methanol	67-56-1	5	3.029	ppbV	70-130			25	25			
Acetaldehyde	75-07-0	2.5	1.73	ppbV	70-130			25	25			
Butane	106-97-8	0.2	0.08	ppbV	70-130			25	25			
Nonane (C9)	111-84-2	0.2	0.0737	ppbV	70-130			25	25			
Decane (C10)	124-18-5	0.2	0.0697	ppbV	70-130			25	25			
Undecane	1120-21-4	0.2	0.0709	ppbV	70-130			25	25			
Indane	496-11-7	0.2	0.0591	ppbV	70-130			25	25			
Indene	95-13-6	0.2	0.0711	ppbV	70-130			25	25			
1-Methylnaphthalene	90-12-0	1	0.264	ppbV	70-130			25	25			
Dodecane (C12)	112-40-3	0.2	0.0891	ppbV	70-130			25	25			
Butyl Acetate	123-86-4	0.5	0.208	ppbV	70-130			25	25			
tert-Butyl Alcohol	75-65-0	0.5	0.132	ppbV	70-130			25	25			
2-Methylnaphthalene	91-57-6	1	0.259	ppbV	70-130			25	25			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
Bromofluorobenzene	*460-00-4*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-01	Date Collected	: 04/10/24 15:09
Client ID	: IA-1	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/23/24 20:28
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R330567	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.405	0.200	--	2.00	0.989	--	
74-87-3	Chloromethane	0.475	0.200	--	0.981	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	34.9	5.00	--	65.8	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	86.2	1.00	--	205	2.38	--	
75-69-4	Trichlorofluoromethane	0.242	0.200	--	1.36	1.12	--	
67-63-0	Isopropanol	2.67	0.500	--	6.56	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.71	0.500	--	5.04	1.47	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	3.93	0.500	--	11.6	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	1.83	0.200	--	6.45	0.705	--	
71-43-2	Benzene	0.274	0.200	--	0.875	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-01	Date Collected	: 04/10/24 15:09
Client ID	: IA-1	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/23/24 20:28
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R330567	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
110-82-7	Cyclohexane	0.206	0.200	--	0.709	0.688	--	
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	0.226	0.200	--	0.926	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.547	0.200	--	2.06	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.217	0.200	--	0.943	0.869	--	
179601-23-1	p/m-Xylene	0.863	0.400	--	3.75	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.402	0.200	--	1.75	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	0.239	0.200	--	1.17	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	0.929	0.200	--	4.57	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: L2419731-01	**Date Collected**	: 04/10/24 15:09
Client ID	: IA-1	**Date Received**	: 04/11/24
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 04/23/24 20:28
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: JMB
Lab File ID	: R330567	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.200	--	ND	1.05	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-02	Date Collected	: 04/10/24 15:01
Client ID	: IA-2	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/23/24 21:08
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R330568	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.442	0.200	--	2.19	0.989	--	
74-87-3	Chloromethane	0.483	0.200	--	0.997	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	31.7	5.00	--	59.7	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	79.7	1.00	--	189	2.38	--	
75-69-4	Trichlorofluoromethane	0.250	0.200	--	1.40	1.12	--	
67-63-0	Isopropanol	2.89	0.500	--	7.10	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.46	0.500	--	4.31	1.47	--	
141-78-6	Ethyl Acetate	0.633	0.500	--	2.28	1.80	--	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	2.35	0.500	--	6.93	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	1.80	0.200	--	6.34	0.705	--	
71-43-2	Benzene	0.276	0.200	--	0.882	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-02	Date Collected	: 04/10/24 15:01
Client ID	: IA-2	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/23/24 21:08
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R330568	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	0.211	0.200	--	0.865	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.529	0.200	--	1.99	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	0.752	0.400	--	3.27	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.331	0.200	--	1.44	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	0.695	0.200	--	3.42	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: L2419731-02	**Date Collected**	: 04/10/24 15:01
Client ID	: IA-2	**Date Received**	: 04/11/24
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 04/23/24 21:08
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: JMB
Lab File ID	: R330568	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.200	--	ND	1.05	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-03	Date Collected	: 04/10/24 14:58
Client ID	: IA-3	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/23/24 21:48
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R330569	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.418	0.200	--	2.07	0.989	--	
74-87-3	Chloromethane	0.482	0.200	--	0.995	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	33.6	5.00	--	63.3	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	88.1	1.00	--	209	2.38	--	
75-69-4	Trichlorofluoromethane	0.247	0.200	--	1.39	1.12	--	
67-63-0	Isopropanol	3.39	0.500	--	8.33	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.47	0.500	--	4.34	1.47	--	
141-78-6	Ethyl Acetate	1.01	0.500	--	3.64	1.80	--	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	2.33	0.500	--	6.87	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	1.56	0.200	--	5.50	0.705	--	
71-43-2	Benzene	0.266	0.200	--	0.850	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-03	Date Collected	: 04/10/24 14:58
Client ID	: IA-3	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/23/24 21:48
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R330569	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	0.210	0.200	--	0.861	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.506	0.200	--	1.91	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	0.651	0.400	--	2.83	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.289	0.200	--	1.26	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	0.445	0.200	--	2.19	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: L2419731-03	**Date Collected**	: 04/10/24 14:58
Client ID	: IA-3	**Date Received**	: 04/11/24
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 04/23/24 21:48
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: JMB
Lab File ID	: R330569	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.200	--	ND	1.05	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-04	Date Collected	: 04/10/24 15:02
Client ID	: IA-4	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/23/24 22:28
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R330570	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.442	0.200	--	2.19	0.989	--	
74-87-3	Chloromethane	0.493	0.200	--	1.02	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	32.5	5.00	--	61.2	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	98.6	1.00	--	234	2.38	--	
75-69-4	Trichlorofluoromethane	0.253	0.200	--	1.42	1.12	--	
67-63-0	Isopropanol	3.14	0.500	--	7.72	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.60	0.500	--	4.72	1.47	--	
141-78-6	Ethyl Acetate	0.881	0.500	--	3.17	1.80	--	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	2.23	0.500	--	6.58	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	2.26	0.200	--	7.96	0.705	--	
71-43-2	Benzene	0.273	0.200	--	0.872	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-04	Date Collected	: 04/10/24 15:02
Client ID	: IA-4	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/23/24 22:28
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R330570	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	0.210	0.200	--	0.861	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.505	0.200	--	1.90	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	0.713	0.400	--	3.10	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.329	0.200	--	1.43	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	0.645	0.200	--	3.17	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: L2419731-04	**Date Collected**	: 04/10/24 15:02
Client ID	: IA-4	**Date Received**	: 04/11/24
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 04/23/24 22:28
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: JMB
Lab File ID	: R330570	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.200	--	ND	1.05	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-05	Date Collected	: 04/10/24 15:05
Client ID	: IA-5	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/23/24 23:09
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R330571	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.424	0.200	--	2.10	0.989	--	
74-87-3	Chloromethane	0.482	0.200	--	0.995	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	40.5	5.00	--	76.3	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	104	1.00	--	247	2.38	--	
75-69-4	Trichlorofluoromethane	0.252	0.200	--	1.42	1.12	--	
67-63-0	Isopropanol	2.58	0.500	--	6.34	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.77	0.500	--	5.22	1.47	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	2.62	0.500	--	7.73	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	1.80	0.200	--	6.34	0.705	--	
71-43-2	Benzene	0.280	0.200	--	0.895	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-05	Date Collected	: 04/10/24 15:05
Client ID	: IA-5	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/23/24 23:09
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R330571	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
110-82-7	Cyclohexane	0.210	0.200	--	0.723	0.688	--	
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	0.228	0.200	--	0.934	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.543	0.200	--	2.05	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.227	0.200	--	0.986	0.869	--	
179601-23-1	p/m-Xylene	0.931	0.400	--	4.04	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.412	0.200	--	1.79	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	0.233	0.200	--	1.15	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	0.845	0.200	--	4.15	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: L2419731-05	**Date Collected**	: 04/10/24 15:05
Client ID	: IA-5	**Date Received**	: 04/11/24
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 04/23/24 23:09
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: JMB
Lab File ID	: R330571	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.200	--	ND	1.05	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-06	Date Collected	: 04/10/24 15:04
Client ID	: IA-6	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/24/24 00:30
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R330573	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.422	0.200	--	2.09	0.989	--	
74-87-3	Chloromethane	0.493	0.200	--	1.02	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	30.6	5.00	--	57.7	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	86.5	1.00	--	205	2.38	--	
75-69-4	Trichlorofluoromethane	0.252	0.200	--	1.42	1.12	--	
67-63-0	Isopropanol	3.24	0.500	--	7.96	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.60	0.500	--	4.72	1.47	--	
141-78-6	Ethyl Acetate	0.970	0.500	--	3.50	1.80	--	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	2.36	0.500	--	6.96	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	1.76	0.200	--	6.20	0.705	--	
71-43-2	Benzene	0.268	0.200	--	0.856	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-06	Date Collected	: 04/10/24 15:04
Client ID	: IA-6	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/24/24 00:30
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R330573	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	0.214	0.200	--	0.877	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.492	0.200	--	1.85	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	0.687	0.400	--	2.98	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.317	0.200	--	1.38	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	0.678	0.200	--	3.33	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: L2419731-06	**Date Collected**	: 04/10/24 15:04
Client ID	: IA-6	**Date Received**	: 04/11/24
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 04/24/24 00:30
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: JMB
Lab File ID	: R330573	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.200	--	ND	1.05	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-07	Date Collected	: 04/10/24 14:59
Client ID	: AA-7	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/23/24 19:07
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R330565	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.451	0.200	--	2.23	0.989	--	
74-87-3	Chloromethane	0.418	0.200	--	0.863	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	33.1	5.00	--	62.4	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	31.6	1.00	--	75.1	2.38	--	
75-69-4	Trichlorofluoromethane	0.233	0.200	--	1.31	1.12	--	
67-63-0	Isopropanol	2.24	0.500	--	5.51	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	0.645	0.500	--	1.90	1.47	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	1.27	0.500	--	3.75	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.849	0.200	--	2.99	0.705	--	
71-43-2	Benzene	0.296	0.200	--	0.946	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-07	Date Collected	: 04/10/24 14:59
Client ID	: AA-7	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/23/24 19:07
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R330565	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.498	0.200	--	1.88	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	0.779	0.400	--	3.38	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.310	0.200	--	1.35	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	0.628	0.200	--	3.09	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: L2419731-07	**Date Collected**	: 04/10/24 14:59
Client ID	: AA-7	**Date Received**	: 04/11/24
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 04/23/24 19:07
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: JMB
Lab File ID	: R330565	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.200	--	ND	1.05	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-08	Date Collected	: 04/10/24 15:48
Client ID	: AA-8	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/23/24 19:48
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R330566	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.430	0.200	--	2.13	0.989	--	
74-87-3	Chloromethane	0.473	0.200	--	0.977	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	28.0	5.00	--	52.8	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	45.6	1.00	--	108	2.38	--	
75-69-4	Trichlorofluoromethane	0.228	0.200	--	1.28	1.12	--	
67-63-0	Isopropanol	2.61	0.500	--	6.42	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.24	0.500	--	3.66	1.47	--	
141-78-6	Ethyl Acetate	0.536	0.500	--	1.93	1.80	--	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	1.30	0.500	--	3.83	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.644	0.200	--	2.27	0.705	--	
71-43-2	Benzene	0.347	0.200	--	1.11	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-08	Date Collected	: 04/10/24 15:48
Client ID	: AA-8	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/23/24 19:48
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R330566	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	0.292	0.200	--	1.36	0.934	--	
142-82-5	Heptane	0.264	0.200	--	1.08	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.666	0.200	--	2.51	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.282	0.200	--	1.22	0.869	--	
179601-23-1	p/m-Xylene	1.10	0.400	--	4.78	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.455	0.200	--	1.98	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	0.270	0.200	--	1.33	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	1.02	0.200	--	5.01	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: L2419731-08	**Date Collected**	: 04/10/24 15:48
Client ID	: AA-8	**Date Received**	: 04/11/24
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 04/23/24 19:48
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: JMB
Lab File ID	: R330566	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.200	--	ND	1.05	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-09D	Date Collected	: 04/10/24 15:08
Client ID	: SSG-1	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/25/24 02:31
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 72.67
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R330602	Instrument ID	: AIRPIANO3
Sample Amount	: 3.44 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	ND	14.5	--	ND	71.7	--	U
74-87-3	Chloromethane	ND	14.5	--	ND	29.9	--	U
76-14-2	Freon-114	ND	14.5	--	ND	101.	--	U
75-01-4	Vinyl chloride	ND	14.5	--	ND	37.1	--	U
106-99-0	1,3-Butadiene	ND	14.5	--	ND	32.1	--	U
74-83-9	Bromomethane	ND	14.5	--	ND	56.3	--	U
75-00-3	Chloroethane	17.9	14.5	--	47.2	38.3	--	
64-17-5	Ethanol	ND	363	--	ND	684	--	U
593-60-2	Vinyl bromide	ND	14.5	--	ND	63.4	--	U
67-64-1	Acetone	143	72.7	--	340	173	--	
75-69-4	Trichlorofluoromethane	ND	14.5	--	ND	81.5	--	U
67-63-0	Isopropanol	ND	36.3	--	ND	89.2	--	U
75-35-4	1,1-Dichloroethene	111	14.5	--	440	57.5	--	
75-65-0	Tertiary butyl Alcohol	ND	36.3	--	ND	110.	--	U
75-09-2	Methylene chloride	ND	36.3	--	ND	126	--	U
107-05-1	3-Chloropropene	ND	14.5	--	ND	45.4	--	U
75-15-0	Carbon disulfide	ND	14.5	--	ND	45.2	--	U
76-13-1	Freon-113	92.1	14.5	--	706	111	--	
156-60-5	trans-1,2-Dichloroethene	ND	14.5	--	ND	57.5	--	U
75-34-3	1,1-Dichloroethane	583	14.5	--	2360	58.7	--	
1634-04-4	Methyl tert butyl ether	ND	14.5	--	ND	52.3	--	U
78-93-3	2-Butanone	ND	36.3	--	ND	107	--	U
156-59-2	cis-1,2-Dichloroethene	20.8	14.5	--	82.5	57.5	--	
141-78-6	Ethyl Acetate	ND	36.3	--	ND	131.	--	U
67-66-3	Chloroform	ND	14.5	--	ND	70.8	--	U
109-99-9	Tetrahydrofuran	ND	36.3	--	ND	107	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-09D	Date Collected	: 04/10/24 15:08
Client ID	: SSG-1	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/25/24 02:31
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 72.67
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R330602	Instrument ID	: AIRPIANO3
Sample Amount	: 3.44 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	14.5	--	ND	58.7	--	U
110-54-3	n-Hexane	ND	14.5	--	ND	51.1	--	U
71-55-6	1,1,1-Trichloroethane	3590	14.5	--	19600	79.1	--	
71-43-2	Benzene	ND	14.5	--	ND	46.3	--	U
56-23-5	Carbon tetrachloride	ND	14.5	--	ND	91.2	--	U
110-82-7	Cyclohexane	ND	14.5	--	ND	49.9	--	U
78-87-5	1,2-Dichloropropane	ND	14.5	--	ND	67.0	--	U
75-27-4	Bromodichloromethane	ND	14.5	--	ND	97.1	--	U
123-91-1	1,4-Dioxane	ND	14.5	--	ND	52.3	--	U
79-01-6	Trichloroethene	29.9	14.5	--	161	77.9	--	
540-84-1	2,2,4-Trimethylpentane	ND	14.5	--	ND	67.7	--	U
142-82-5	Heptane	ND	14.5	--	ND	59.4	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	14.5	--	ND	65.8	--	U
108-10-1	4-Methyl-2-pentanone	ND	36.3	--	ND	149.	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	14.5	--	ND	65.8	--	U
79-00-5	1,1,2-Trichloroethane	ND	14.5	--	ND	79.1	--	U
108-88-3	Toluene	ND	14.5	--	ND	54.6	--	U
591-78-6	2-Hexanone	ND	14.5	--	ND	59.4	--	U
124-48-1	Dibromochloromethane	ND	14.5	--	ND	124.	--	U
106-93-4	1,2-Dibromoethane	ND	14.5	--	ND	111.	--	U
127-18-4	Tetrachloroethene	96.1	14.5	--	652	98.3	--	
108-90-7	Chlorobenzene	ND	14.5	--	ND	66.8	--	U
100-41-4	Ethylbenzene	ND	14.5	--	ND	63.0	--	U
179601-23-1	p/m-Xylene	ND	29.1	--	ND	126	--	U
75-25-2	Bromoform	ND	14.5	--	ND	150.	--	U
100-42-5	Styrene	ND	14.5	--	ND	61.7	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: L2419731-09D	**Date Collected**	: 04/10/24 15:08
Client ID	: SSG-1	**Date Received**	: 04/11/24
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 04/25/24 02:31
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 72.67
Analytical Method	: 48,TO-15	**Analyst**	: KJD
Lab File ID	: R330602	**Instrument ID**	: AIRPIANO3
Sample Amount	: 3.44 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
79-34-5	1,1,2,2-Tetrachloroethane	ND	14.5	--	ND	99.6	--	U
95-47-6	o-Xylene	ND	14.5	--	ND	63.0	--	U
622-96-8	4-Ethyltoluene	ND	14.5	--	ND	71.3	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	14.5	--	ND	71.3	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	14.5	--	ND	71.3	--	U
100-44-7	Benzyl chloride	ND	14.5	--	ND	75.1	--	U
541-73-1	1,3-Dichlorobenzene	ND	14.5	--	ND	87.2	--	U
106-46-7	1,4-Dichlorobenzene	ND	14.5	--	ND	87.2	--	U
95-50-1	1,2-Dichlorobenzene	ND	14.5	--	ND	87.2	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	14.5	--	ND	108.	--	U
91-20-3	Naphthalene	ND	14.5	--	ND	76.0	--	U
87-68-3	Hexachlorobutadiene	ND	14.5	--	ND	155.	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: L2419731-10	**Date Collected**	: 04/10/24 15:02
Client ID	: SSG-2	**Date Received**	: 04/11/24
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 04/25/24 03:11
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: KJD
Lab File ID	: R330603	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
75-71-8	Dichlorodifluoromethane	0.431	0.200	--	2.13	0.989	--	
74-87-3	Chloromethane	ND	0.200	--	ND	0.413	--	U
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	21.0	5.00	--	39.6	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	113	1.00	--	268	2.38	--	
75-69-4	Trichlorofluoromethane	0.256	0.200	--	1.44	1.12	--	
67-63-0	Isopropanol	2.31	0.500	--	5.68	1.23	--	
75-35-4	1,1-Dichloroethene	0.302	0.200	--	1.20	0.793	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	0.943	0.200	--	7.23	1.53	--	
156-60-5	trans-1,2-Dichloroethene	0.390	0.200	--	1.55	0.793	--	
75-34-3	1,1-Dichloroethane	1.28	0.200	--	5.18	0.809	--	
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.67	0.500	--	4.93	1.47	--	
156-59-2	cis-1,2-Dichloroethene	14.2	0.200	--	56.3	0.793	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	0.989	0.200	--	4.83	0.977	--	
109-99-9	Tetrahydrofuran	1.98	0.500	--	5.84	1.47	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-10	Date Collected	: 04/10/24 15:02
Client ID	: SSG-2	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/25/24 03:11
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R330603	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	1.16	0.200	--	4.09	0.705	--	
71-55-6	1,1,1-Trichloroethane	19.3	0.200	--	105	1.09	--	
71-43-2	Benzene	0.238	0.200	--	0.760	0.639	--	
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	0.218	0.200	--	0.750	0.688	--	
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	0.975	0.200	--	5.24	1.07	--	
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	0.215	0.200	--	0.881	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.566	0.200	--	2.13	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	1.52	0.200	--	10.3	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	0.797	0.400	--	3.46	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: L2419731-10	**Date Collected**	: 04/10/24 15:02
Client ID	: SSG-2	**Date Received**	: 04/11/24
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 04/25/24 03:11
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: KJD
Lab File ID	: R330603	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.357	0.200	--	1.55	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	0.218	0.200	--	1.07	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	0.768	0.200	--	3.78	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.200	--	ND	1.05	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: L2419731-11	**Date Collected**	: 04/10/24 14:59
Client ID	: SSG-3	**Date Received**	: 04/11/24
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 04/25/24 03:51
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: KJD
Lab File ID	: R330604	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
75-71-8	Dichlorodifluoromethane	0.458	0.200	--	2.26	0.989	--	
74-87-3	Chloromethane	ND	0.200	--	ND	0.413	--	U
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	21.3	5.00	--	40.1	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	112	1.00	--	266	2.38	--	
75-69-4	Trichlorofluoromethane	0.254	0.200	--	1.43	1.12	--	
67-63-0	Isopropanol	1.93	0.500	--	4.74	1.23	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.68	0.500	--	4.95	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	0.329	0.200	--	1.61	0.977	--	
109-99-9	Tetrahydrofuran	1.95	0.500	--	5.75	1.47	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-11	Date Collected	: 04/10/24 14:59
Client ID	: SSG-3	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/25/24 03:51
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R330604	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	1.06	0.200	--	3.74	0.705	--	
71-55-6	1,1,1-Trichloroethane	20.0	0.200	--	109	1.09	--	
71-43-2	Benzene	0.204	0.200	--	0.652	0.639	--	
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	0.282	0.200	--	0.971	0.688	--	
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	ND	0.200	--	ND	1.07	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	0.213	0.200	--	0.873	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.480	0.200	--	1.81	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	0.773	0.200	--	5.24	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	0.650	0.400	--	2.82	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: L2419731-11	**Date Collected**	: 04/10/24 14:59
Client ID	: SSG-3	**Date Received**	: 04/11/24
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 04/25/24 03:51
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: KJD
Lab File ID	: R330604	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.278	0.200	--	1.21	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	0.584	0.200	--	2.87	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.200	--	ND	1.05	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-12	Date Collected	: 04/10/24 15:01
Client ID	: SSG-4	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/25/24 04:32
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R330605	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.420	0.200	--	2.08	0.989	--	
74-87-3	Chloromethane	ND	0.200	--	ND	0.413	--	U
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	20.2	5.00	--	38.1	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	109	1.00	--	259	2.38	--	
75-69-4	Trichlorofluoromethane	0.237	0.200	--	1.33	1.12	--	
67-63-0	Isopropanol	2.20	0.500	--	5.41	1.23	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	0.227	0.200	--	1.74	1.53	--	
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.90	0.500	--	5.60	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	0.680	0.500	--	2.45	1.80	--	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	1.93	0.500	--	5.69	1.47	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-12	Date Collected	: 04/10/24 15:01
Client ID	: SSG-4	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/25/24 04:32
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R330605	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	1.61	0.200	--	5.67	0.705	--	
71-55-6	1,1,1-Trichloroethane	1.78	0.200	--	9.71	1.09	--	
71-43-2	Benzene	0.212	0.200	--	0.677	0.639	--	
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	0.281	0.200	--	0.967	0.688	--	
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	ND	0.200	--	ND	1.07	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	0.244	0.200	--	1.00	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.545	0.200	--	2.05	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	0.218	0.200	--	1.48	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	0.777	0.400	--	3.37	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: L2419731-12	**Date Collected**	: 04/10/24 15:01
Client ID	: SSG-4	**Date Received**	: 04/11/24
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 04/25/24 04:32
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: KJD
Lab File ID	: R330605	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.356	0.200	--	1.55	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	0.206	0.200	--	1.01	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	0.758	0.200	--	3.73	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.200	--	ND	1.05	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-13	Date Collected	: 04/10/24 15:04
Client ID	: SSG-5	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/25/24 05:12
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R330606	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.407	0.200	--	2.01	0.989	--	
74-87-3	Chloromethane	ND	0.200	--	ND	0.413	--	U
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	0.720	0.200	--	1.90	0.528	--	
64-17-5	Ethanol	23.0	5.00	--	43.3	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	110	1.00	--	261	2.38	--	
75-69-4	Trichlorofluoromethane	0.269	0.200	--	1.51	1.12	--	
67-63-0	Isopropanol	2.04	0.500	--	5.01	1.23	--	
75-35-4	1,1-Dichloroethene	1.01	0.200	--	4.00	0.793	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	1.47	0.200	--	11.3	1.53	--	
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	2.92	0.200	--	11.8	0.809	--	
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	2.89	0.500	--	8.52	1.47	--	
156-59-2	cis-1,2-Dichloroethene	0.324	0.200	--	1.28	0.793	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	3.96	0.200	--	19.3	0.977	--	
109-99-9	Tetrahydrofuran	2.17	0.500	--	6.40	1.47	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-13	Date Collected	: 04/10/24 15:04
Client ID	: SSG-5	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/25/24 05:12
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R330606	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	0.283	0.200	--	1.15	0.809	--	
110-54-3	n-Hexane	81.4	0.200	--	287	0.705	--	
71-55-6	1,1,1-Trichloroethane	17.4	0.200	--	94.9	1.09	--	
71-43-2	Benzene	0.306	0.200	--	0.978	0.639	--	
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	3.36	0.200	--	11.6	0.688	--	
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	ND	0.200	--	ND	1.07	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	0.383	0.200	--	1.57	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.914	0.200	--	3.44	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	0.243	0.200	--	1.65	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.834	0.200	--	3.62	0.869	--	
179601-23-1	p/m-Xylene	3.59	0.400	--	15.6	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: L2419731-13	**Date Collected**	: 04/10/24 15:04
Client ID	: SSG-5	**Date Received**	: 04/11/24
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 04/25/24 05:12
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: KJD
Lab File ID	: R330606	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	1.76	0.200	--	7.64	0.869	--	
622-96-8	4-Ethyltoluene	0.727	0.200	--	3.57	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	1.21	0.200	--	5.95	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	4.75	0.200	--	23.4	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	0.224	0.200	--	1.17	1.05	--	
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-14D	Date Collected	: 04/10/24 15:05
Client ID	: SSG-6	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/25/24 05:48
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 13.81
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R330607	Instrument ID	: AIRPIANO3
Sample Amount	: 18.1 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	ND	2.76	--	ND	13.6	--	U
74-87-3	Chloromethane	ND	2.76	--	ND	5.70	--	U
76-14-2	Freon-114	ND	2.76	--	ND	19.3	--	U
75-01-4	Vinyl chloride	33.6	2.76	--	85.9	7.06	--	
106-99-0	1,3-Butadiene	ND	2.76	--	ND	6.11	--	U
74-83-9	Bromomethane	ND	2.76	--	ND	10.7	--	U
75-00-3	Chloroethane	3.78	2.76	--	9.97	7.28	--	
64-17-5	Ethanol	ND	69.0	--	ND	130	--	U
593-60-2	Vinyl bromide	ND	2.76	--	ND	12.1	--	U
67-64-1	Acetone	147	13.8	--	349	32.8	--	
75-69-4	Trichlorofluoromethane	ND	2.76	--	ND	15.5	--	U
67-63-0	Isopropanol	ND	6.90	--	ND	17.0	--	U
75-35-4	1,1-Dichloroethene	11.4	2.76	--	45.2	10.9	--	
75-65-0	Tertiary butyl Alcohol	ND	6.90	--	ND	20.9	--	U
75-09-2	Methylene chloride	ND	6.90	--	ND	24.0	--	U
107-05-1	3-Chloropropene	ND	2.76	--	ND	8.64	--	U
75-15-0	Carbon disulfide	ND	2.76	--	ND	8.59	--	U
76-13-1	Freon-113	11.8	2.76	--	90.4	21.2	--	
156-60-5	trans-1,2-Dichloroethene	22.5	2.76	--	89.2	10.9	--	
75-34-3	1,1-Dichloroethane	23.3	2.76	--	94.3	11.2	--	
1634-04-4	Methyl tert butyl ether	ND	2.76	--	ND	9.95	--	U
78-93-3	2-Butanone	ND	6.90	--	ND	20.4	--	U
156-59-2	cis-1,2-Dichloroethene	1060	2.76	--	4200	10.9	--	
141-78-6	Ethyl Acetate	ND	6.90	--	ND	24.9	--	U
67-66-3	Chloroform	15.8	2.76	--	77.2	13.5	--	
109-99-9	Tetrahydrofuran	ND	6.90	--	ND	20.4	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-14D	Date Collected	: 04/10/24 15:05
Client ID	: SSG-6	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/25/24 05:48
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 13.81
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R330607	Instrument ID	: AIRPIANO3
Sample Amount	: 18.1 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	2.76	--	ND	11.2	--	U
110-54-3	n-Hexane	4.32	2.76	--	15.2	9.73	--	
71-55-6	1,1,1-Trichloroethane	218	2.76	--	1190	15.1	--	
71-43-2	Benzene	ND	2.76	--	ND	8.82	--	U
56-23-5	Carbon tetrachloride	ND	2.76	--	ND	17.4	--	U
110-82-7	Cyclohexane	ND	2.76	--	ND	9.50	--	U
78-87-5	1,2-Dichloropropane	ND	2.76	--	ND	12.8	--	U
75-27-4	Bromodichloromethane	ND	2.76	--	ND	18.5	--	U
123-91-1	1,4-Dioxane	ND	2.76	--	ND	9.95	--	U
79-01-6	Trichloroethene	16.9	2.76	--	90.8	14.8	--	
540-84-1	2,2,4-Trimethylpentane	ND	2.76	--	ND	12.9	--	U
142-82-5	Heptane	ND	2.76	--	ND	11.3	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.76	--	ND	12.5	--	U
108-10-1	4-Methyl-2-pentanone	ND	6.90	--	ND	28.3	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.76	--	ND	12.5	--	U
79-00-5	1,1,2-Trichloroethane	ND	2.76	--	ND	15.1	--	U
108-88-3	Toluene	ND	2.76	--	ND	10.4	--	U
591-78-6	2-Hexanone	ND	2.76	--	ND	11.3	--	U
124-48-1	Dibromochloromethane	ND	2.76	--	ND	23.5	--	U
106-93-4	1,2-Dibromoethane	ND	2.76	--	ND	21.2	--	U
127-18-4	Tetrachloroethene	16.2	2.76	--	110	18.7	--	
108-90-7	Chlorobenzene	ND	2.76	--	ND	12.7	--	U
100-41-4	Ethylbenzene	ND	2.76	--	ND	12.0	--	U
179601-23-1	p/m-Xylene	ND	5.52	--	ND	24.0	--	U
75-25-2	Bromoform	ND	2.76	--	ND	28.5	--	U
100-42-5	Styrene	ND	2.76	--	ND	11.8	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: L2419731-14D	**Date Collected**	: 04/10/24 15:05
Client ID	: SSG-6	**Date Received**	: 04/11/24
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 04/25/24 05:48
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 13.81
Analytical Method	: 48,TO-15	**Analyst**	: KJD
Lab File ID	: R330607	**Instrument ID**	: AIRPIANO3
Sample Amount	: 18.1 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.76	--	ND	19.0	--	U
95-47-6	o-Xylene	ND	2.76	--	ND	12.0	--	U
622-96-8	4-Ethyltoluene	ND	2.76	--	ND	13.6	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.76	--	ND	13.6	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.76	--	ND	13.6	--	U
100-44-7	Benzyl chloride	ND	2.76	--	ND	14.3	--	U
541-73-1	1,3-Dichlorobenzene	ND	2.76	--	ND	16.6	--	U
106-46-7	1,4-Dichlorobenzene	ND	2.76	--	ND	16.6	--	U
95-50-1	1,2-Dichlorobenzene	ND	2.76	--	ND	16.6	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.76	--	ND	20.5	--	U
91-20-3	Naphthalene	ND	2.76	--	ND	14.5	--	U
87-68-3	Hexachlorobutadiene	ND	2.76	--	ND	29.4	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-15	Date Collected	: 04/10/24 14:58
Client ID	: SSG-7	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/25/24 06:28
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R330608	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.446	0.200	--	2.21	0.989	--	
74-87-3	Chloromethane	ND	0.200	--	ND	0.413	--	U
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	174	5.00	--	328	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	81.3	1.00	--	193	2.38	--	
75-69-4	Trichlorofluoromethane	0.277	0.200	--	1.56	1.12	--	
67-63-0	Isopropanol	2.38	0.500	--	5.85	1.23	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	0.572	0.500	--	1.73	1.52	--	
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.270	0.200	--	0.841	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.22	0.500	--	3.60	1.47	--	
156-59-2	cis-1,2-Dichloroethene	0.351	0.200	--	1.39	0.793	--	
141-78-6	Ethyl Acetate	0.507	0.500	--	1.83	1.80	--	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	1.30	0.500	--	3.83	1.47	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-15	Date Collected	: 04/10/24 14:58
Client ID	: SSG-7	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/25/24 06:28
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R330608	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.653	0.200	--	2.30	0.705	--	
71-55-6	1,1,1-Trichloroethane	0.202	0.200	--	1.10	1.09	--	
71-43-2	Benzene	0.204	0.200	--	0.652	0.639	--	
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	ND	0.200	--	ND	1.07	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.375	0.200	--	1.41	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	ND	0.200	--	ND	1.36	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: L2419731-15	**Date Collected**	: 04/10/24 14:58
Client ID	: SSG-7	**Date Received**	: 04/11/24
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 04/25/24 06:28
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: KJD
Lab File ID	: R330608	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	0.343	0.200	--	1.69	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.200	--	ND	1.05	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-16	Date Collected	: 04/10/24 15:49
Client ID	: SSG-8	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/25/24 07:08
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R330609	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.424	0.200	--	2.10	0.989	--	
74-87-3	Chloromethane	0.537	0.200	--	1.11	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	221	5.00	--	416	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	249	1.00	--	591	2.38	--	
75-69-4	Trichlorofluoromethane	0.252	0.200	--	1.42	1.12	--	
67-63-0	Isopropanol	6.08	0.500	--	14.9	1.23	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	3.74	0.500	--	11.3	1.52	--	
75-09-2	Methylene chloride	0.618	0.500	--	2.15	1.74	--	
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.814	0.200	--	2.53	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	10.8	0.500	--	31.9	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	2.31	0.500	--	8.32	1.80	--	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	3.60	0.500	--	10.6	1.47	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: L2419731-16	Date Collected	: 04/10/24 15:49
Client ID	: SSG-8	Date Received	: 04/11/24
Sample Location	: NEW YORK, NY	Date Analyzed	: 04/25/24 07:08
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R330609	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	0.449	0.200	--	1.82	0.809	--	
110-54-3	n-Hexane	6.67	0.200	--	23.5	0.705	--	
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	2.12	0.200	--	6.77	0.639	--	
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	0.694	0.200	--	2.39	0.688	--	
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	ND	0.200	--	ND	1.07	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	0.612	0.200	--	2.51	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	1.95	0.200	--	7.35	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	ND	0.200	--	ND	1.36	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.511	0.200	--	2.22	0.869	--	
179601-23-1	p/m-Xylene	1.97	0.400	--	8.56	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: L2419731-16	**Date Collected**	: 04/10/24 15:49
Client ID	: SSG-8	**Date Received**	: 04/11/24
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 04/25/24 07:08
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: KJD
Lab File ID	: R330609	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.784	0.200	--	3.41	0.869	--	
622-96-8	4-Ethyltoluene	0.202	0.200	--	0.993	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	0.235	0.200	--	1.16	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	0.722	0.200	--	3.55	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.200	--	ND	1.05	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: WG1912266-4	Date Collected	: NA
Client ID	: WG1912266-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 04/23/24 17:47
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R330563	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--	U
74-87-3	Chloromethane	ND	0.200	--	ND	0.413	--	U
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	ND	5.00	--	ND	9.42	--	U
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	ND	1.00	--	ND	2.38	--	U
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	ND	0.500	--	ND	1.23	--	U
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: WG1912266-4	Date Collected	: NA
Client ID	: WG1912266-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 04/23/24 17:47
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R330563	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	ND	0.200	--	ND	1.07	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	ND	0.200	--	ND	0.754	--	U
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	ND	0.200	--	ND	1.36	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: WG1912266-4	**Date Collected**	: NA
Client ID	: WG1912266-4BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 04/23/24 17:47
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: JMB
Lab File ID	: R330563	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.200	--	ND	1.05	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: WG1912266-5	Date Collected	: 04/10/24 15:05
Client ID	: IA-5DUP	Date Received	: 04/11/24
Sample Location	:	Date Analyzed	: 04/23/24 23:50
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R330572	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.428	0.200	--	2.12	0.989	--	
74-87-3	Chloromethane	0.487	0.200	--	1.01	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	41.3	5.00	--	77.8	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	95.6	1.00	--	227	2.38	--	
75-69-4	Trichlorofluoromethane	0.252	0.200	--	1.42	1.12	--	
67-63-0	Isopropanol	2.60	0.500	--	6.39	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.82	0.500	--	5.37	1.47	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	2.61	0.500	--	7.70	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	1.80	0.200	--	6.34	0.705	--	
71-43-2	Benzene	0.278	0.200	--	0.888	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: WG1912266-5	Date Collected	: 04/10/24 15:05
Client ID	: IA-5DUP	Date Received	: 04/11/24
Sample Location	:	Date Analyzed	: 04/23/24 23:50
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R330572	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
110-82-7	Cyclohexane	0.205	0.200	--	0.706	0.688	--	
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	0.229	0.200	--	0.938	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.553	0.200	--	2.08	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.229	0.200	--	0.995	0.869	--	
179601-23-1	p/m-Xylene	0.935	0.400	--	4.06	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.422	0.200	--	1.83	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	0.233	0.200	--	1.15	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	0.867	0.200	--	4.26	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: WG1912266-5	**Date Collected**	: 04/10/24 15:05
Client ID	: IA-5DUP	**Date Received**	: 04/11/24
Sample Location	:	**Date Analyzed**	: 04/23/24 23:50
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: JMB
Lab File ID	: R330572	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.200	--	ND	1.05	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: WG1912849-4	Date Collected	: NA
Client ID	: WG1912849-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 04/24/24 15:04
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R330588	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--	U
74-87-3	Chloromethane	ND	0.200	--	ND	0.413	--	U
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	ND	5.00	--	ND	9.42	--	U
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	ND	1.00	--	ND	2.38	--	U
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	ND	0.500	--	ND	1.23	--	U
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	Lab Number	: L2419731
Project Name	: 245 W. 55TH	Project Number	: 23-0001
Lab ID	: WG1912849-4	Date Collected	: NA
Client ID	: WG1912849-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 04/24/24 15:04
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R330588	Instrument ID	: AIRPIANO3
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	ND	0.200	--	ND	1.07	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	ND	0.200	--	ND	0.754	--	U
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	ND	0.200	--	ND	1.36	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: WG1912849-4	**Date Collected**	: NA
Client ID	: WG1912849-4BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 04/24/24 15:04
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: KJD
Lab File ID	: R330588	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.200	--	ND	1.05	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330565.D
Acq On : 23 Apr 2024 7:07 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-07,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:09:00 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423T\r330561.D
Sub List : TO15-NY+NAPH-7-SIM - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.825	49	345828	10.000	ppbV	0.00
Standard Area = 361003			Recovery =		95.80%	
43) 1,4-difluorobenzene	11.053	114	1098317	10.000	ppbV	0.00
Standard Area = 1163384			Recovery =		94.41%	
67) chlorobenzene-D5	15.817	54	163211	10.000	ppbV	0.00
Standard Area = 169079			Recovery =		96.53%	
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.798	85	16993	0.451	ppbV	97
6) chloromethane	3.960	50	7884	0.418	ppbV	94
7) Freon-114	4.062		0	N.D.		
10) 1,3-butadiene	4.314	54	1141	0.069	ppbV	91
13) bromomethane	4.584		0	N.D.		
14) chloroethane	4.770		0	N.D.		
15) ethanol	4.896	31	391841	33.124	ppbV #	76
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.397	43	1188565M6	31.579	ppbV	
21) trichlorofluoromethane	5.587	101	8920	0.233	ppbV	94
22) isopropyl alcohol	5.693	45	112326	2.239	ppbV #	96
27) tertiary butyl alcohol	6.382	59	4285	0.086	ppbV #	1
28) methylene chloride	6.418	49	11842	0.428	ppbV	99
29) 3-chloropropene	6.478		0	N.D.		
30) carbon disulfide	6.718		0	N.D.		
31) Freon 113	6.718	101	3446	0.076	ppbV	98
32) trans-1,2-dichloroethene	0.000		0	N.D.		
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	0.000		0	N.D.		
36) 2-butanone	8.150	43	41512	0.645	ppbV #	95
38) Ethyl Acetate	0.000		0	N.D.	d	
39) chloroform	8.975	83	4001	0.094	ppbV	97
40) Tetrahydrofuran	9.433	42	52632	1.267	ppbV	97
42) 1,2-dichloroethane	9.817		0	N.D.		
44) hexane	8.892	57	34997	0.849	ppbV #	1
50) benzene	10.627	78	27627	0.296	ppbV #	92
53) cyclohexane	10.940	56	5849	0.134	ppbV	88
56) 1,2-dichloropropane	0.000		0	N.D.		

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330565.D
Acq On : 23 Apr 2024 7:07 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-07,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:09:00 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423T\r330561.D
Sub List : TO15-NY+NAPH-7-SIM - .

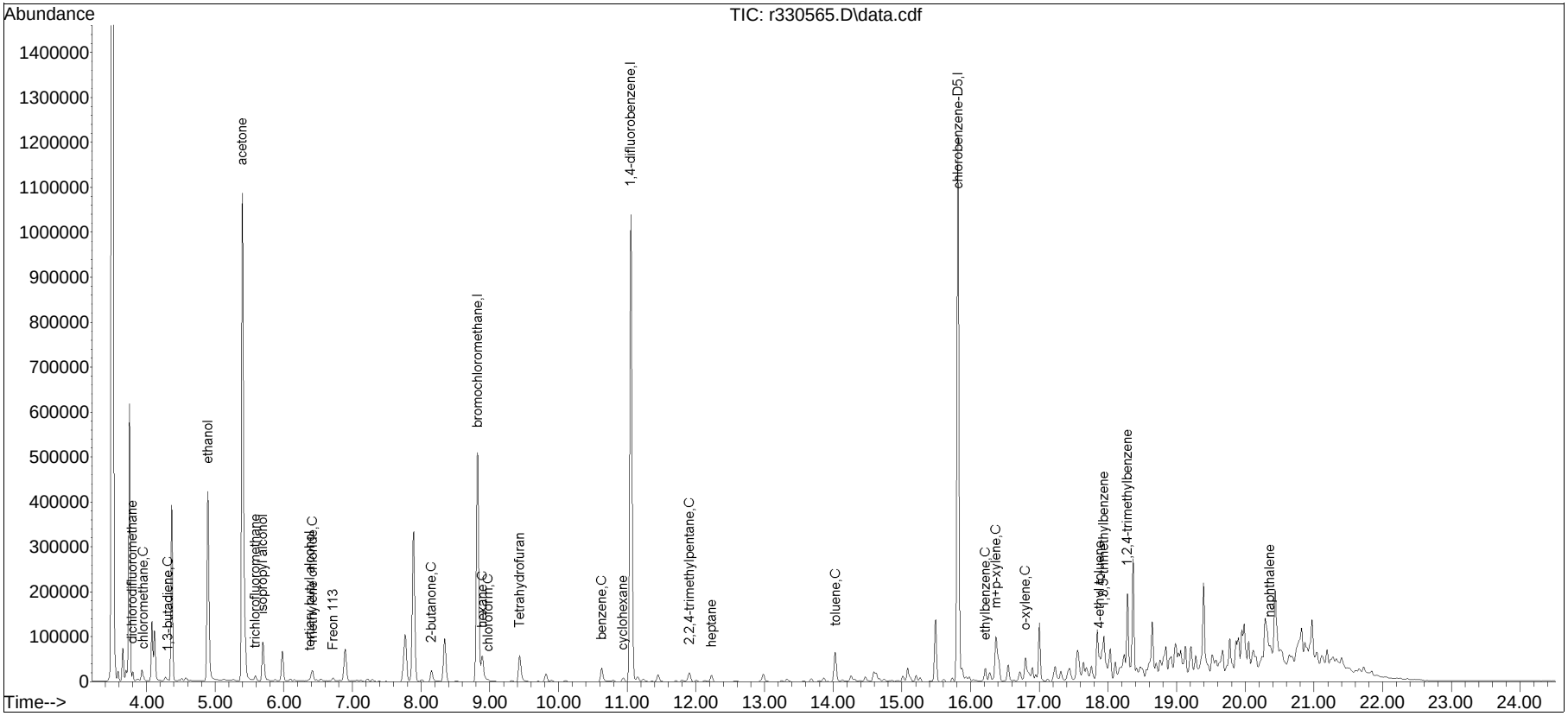
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
57) bromodichloromethane	11.807		0	N.D.			
58) 1,4-dioxane	0.000		0	N.D.			
60) 2,2,4-trimethylpentane	11.907	57	22959	0.172	ppbV		94
62) heptane	12.227	43	8600	0.144	ppbV	#	83
63) cis-1,3-dichloropropene	0.000		0	N.D.			
64) 4-methyl-2-pentanone	12.975		0	N.D.			
65) trans-1,3-dichloropropene	0.000		0	N.D.			
66) 1,1,2-trichloroethane	0.000		0	N.D.			
68) toluene	14.033	91	57839	0.498	ppbV		99
72) 2-hexanone	0.000		0	N.D.	d		
74) dibromochloromethane	0.000		0	N.D.			
75) 1,2-dibromoethane	0.000		0	N.D.			
80) chlorobenzene	15.875		0	N.D.			
81) ethylbenzene	16.217	91	28879	0.198	ppbV		91
83) m+p-xylene	16.367	91	91246	0.779	ppbV		89
84) bromoform	0.000		0	N.D.			
85) styrene	16.717		0	N.D.			
86) 1,1,2,2-tetrachloroethane	16.783		0	N.D.			
87) o-xylene	16.800	91	35946	0.310	ppbV		87
96) 4-ethyl toluene	17.875	105	19476M3	0.113	ppbV		
97) 1,3,5-trimethylbenzene	17.942	105	26801	0.178	ppbV		98
99) 1,2,4-trimethylbenzene	18.283	105	90678	0.628	ppbV	#	58
101) Benzyl Chloride	0.000		0	N.D.	d		
102) 1,3-dichlorobenzene	18.483		0	N.D.			
103) 1,4-dichlorobenzene	18.483		0	N.D.			
107) 1,2-dichlorobenzene	18.767		0	N.D.			
115) 1,2,4-trichlorobenzene	20.242		0	N.D.			
116) naphthalene	20.358	128	15078M4	0.082	ppbV		
119) hexachlorobutadiene	0.000		0	N.D.			

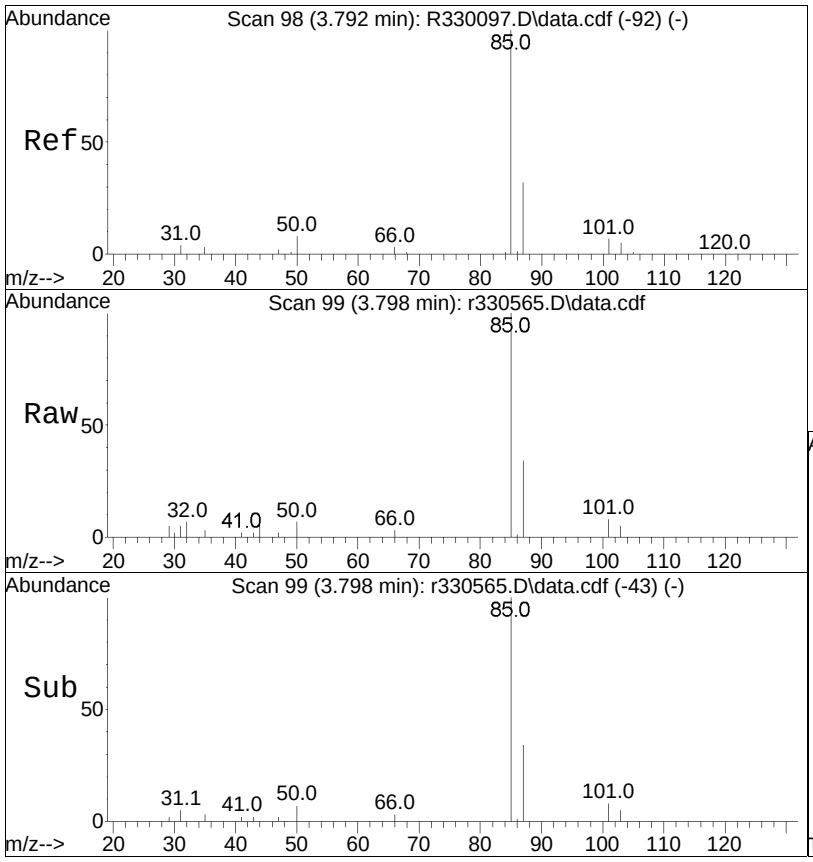
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY+NAPH-7-SIM - .iano3\2024\04\0423T\r330561.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330565.D
Acq On : 23 Apr 2024 7:07 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-07,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:09:00 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

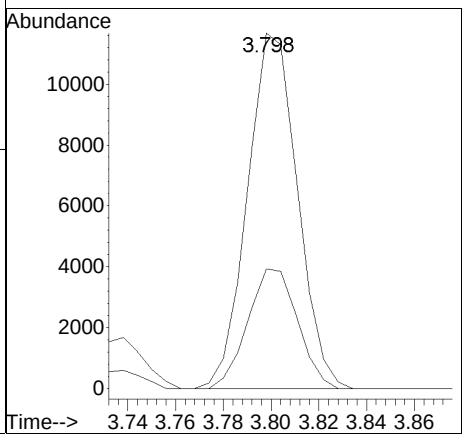


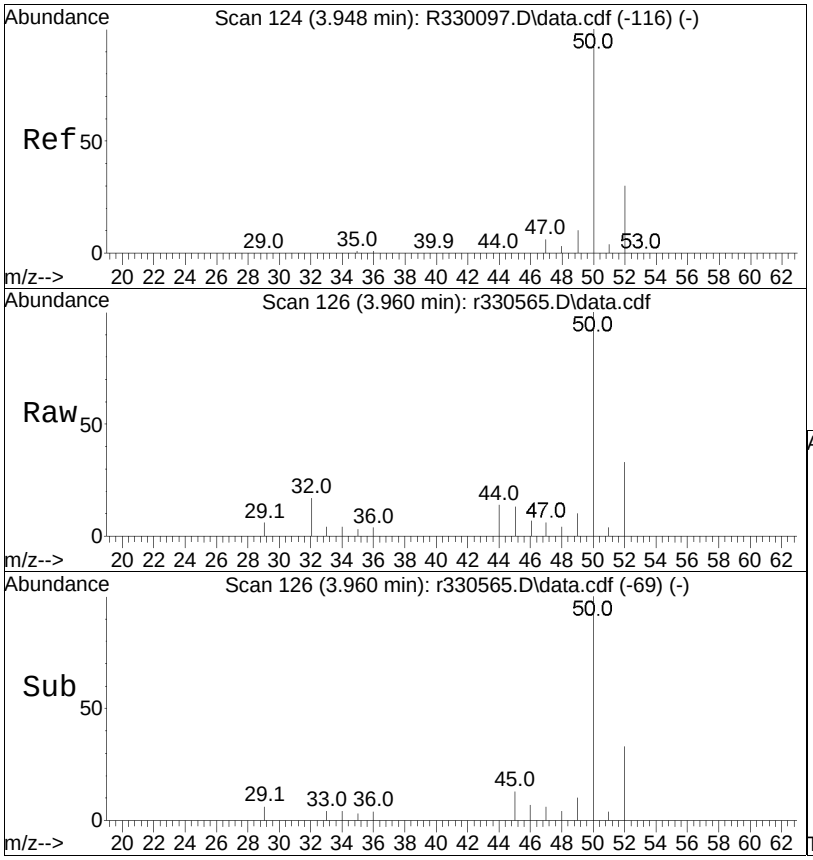


#5
dichlorodifluoromethane
Concen: 0.45 ppbV
RT: 3.798 min Scan# 99
Delta R.T. 0.006 min
Lab File: r330565.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion: 85 Resp: 16993

Ion	Ratio	Lower	Upper
85	100		
87	33.6	25.4	38.2

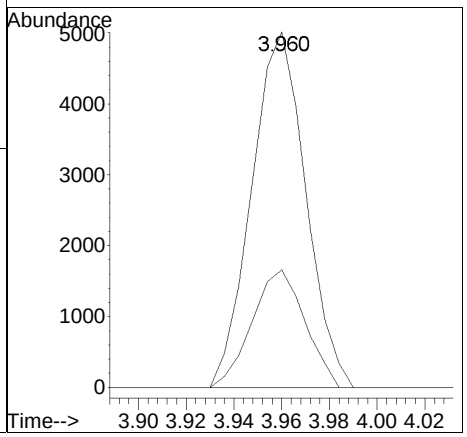


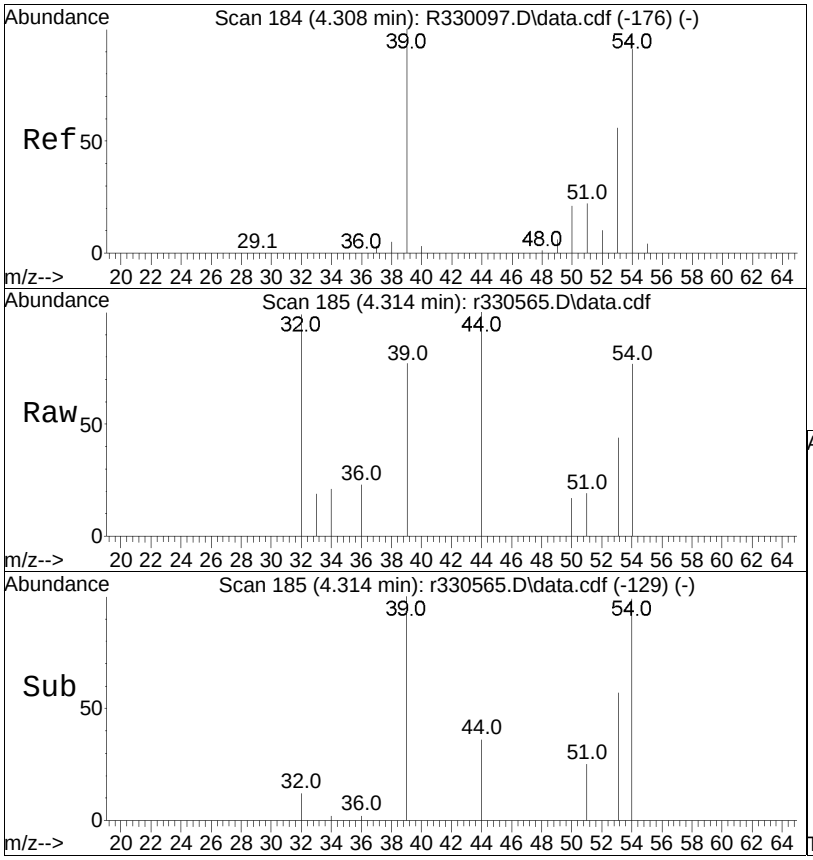


#6
chloromethane
Concen: 0.42 ppbV
RT: 3.960 min Scan# 126
Delta R.T. 0.012 min
Lab File: r330565.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion: 50 Resp: 7884

Ion	Ratio	Lower	Upper
50	100		
52	33.1	24.0	36.0

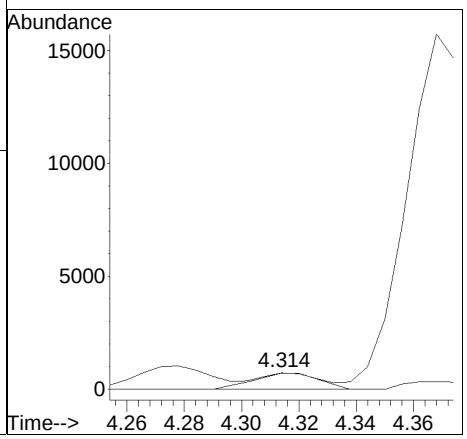


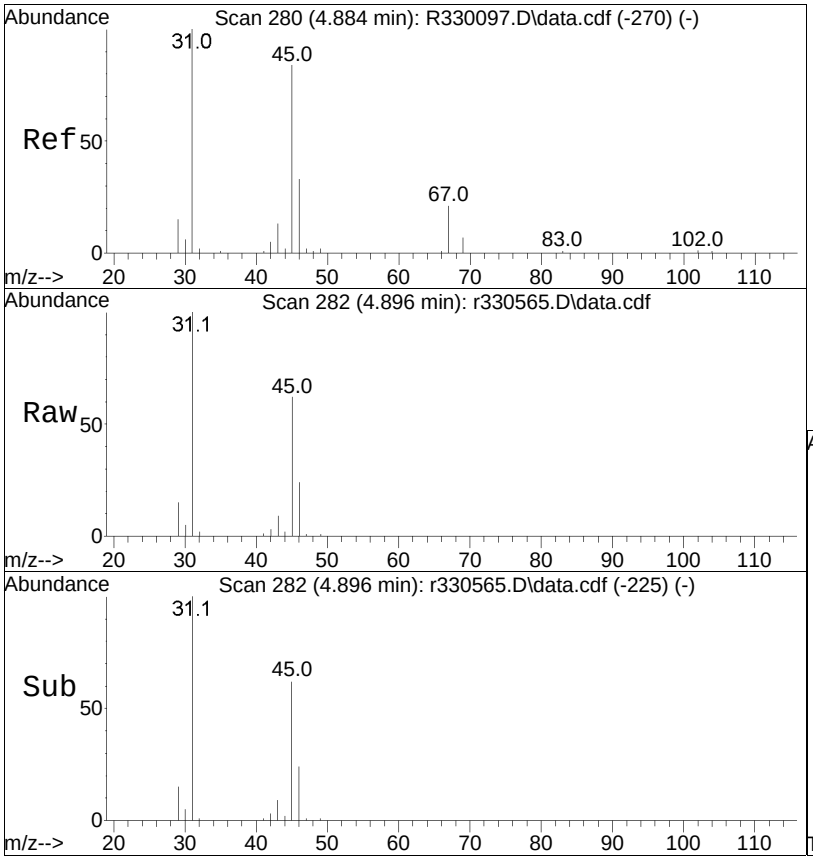


#10
1,3-butadiene
Concen: 0.07 ppbV
RT: 4.314 min Scan# 185
Delta R.T. 0.006 min
Lab File: r330565.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion: 54 Resp: 1141

Ion	Ratio	Lower	Upper
54	100		
39	101.1	88.2	132.4

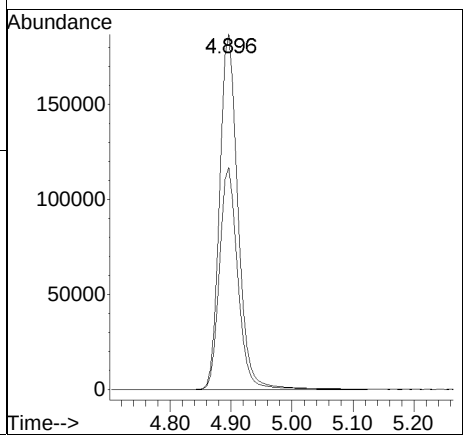


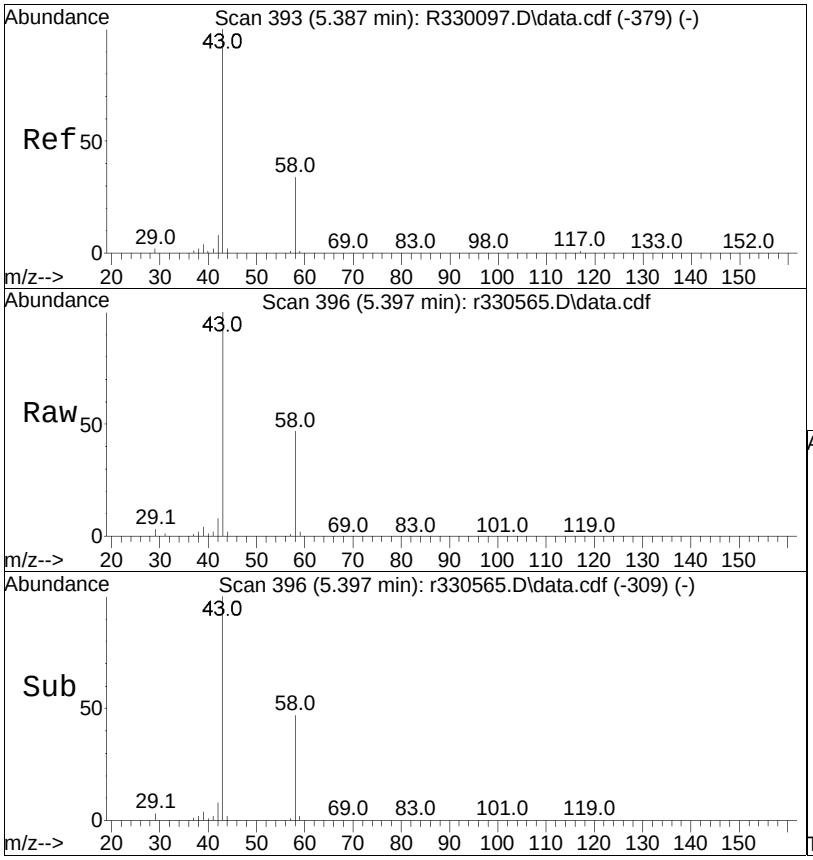


#15
ethanol
Concen: 33.12 ppbV
RT: 4.896 min Scan# 282
Delta R.T. 0.012 min
Lab File: r330565.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion: 31 Resp: 391841

Ion	Ratio	Lower	Upper
31	100		
45	62.4	67.5	101.3#

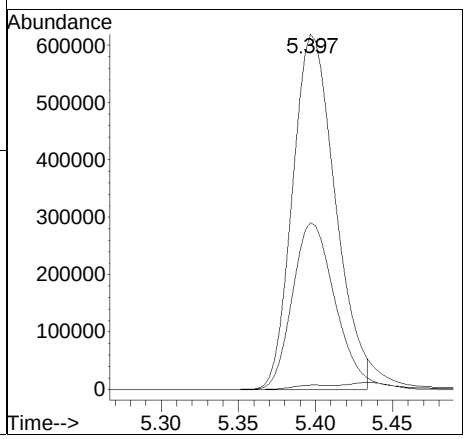


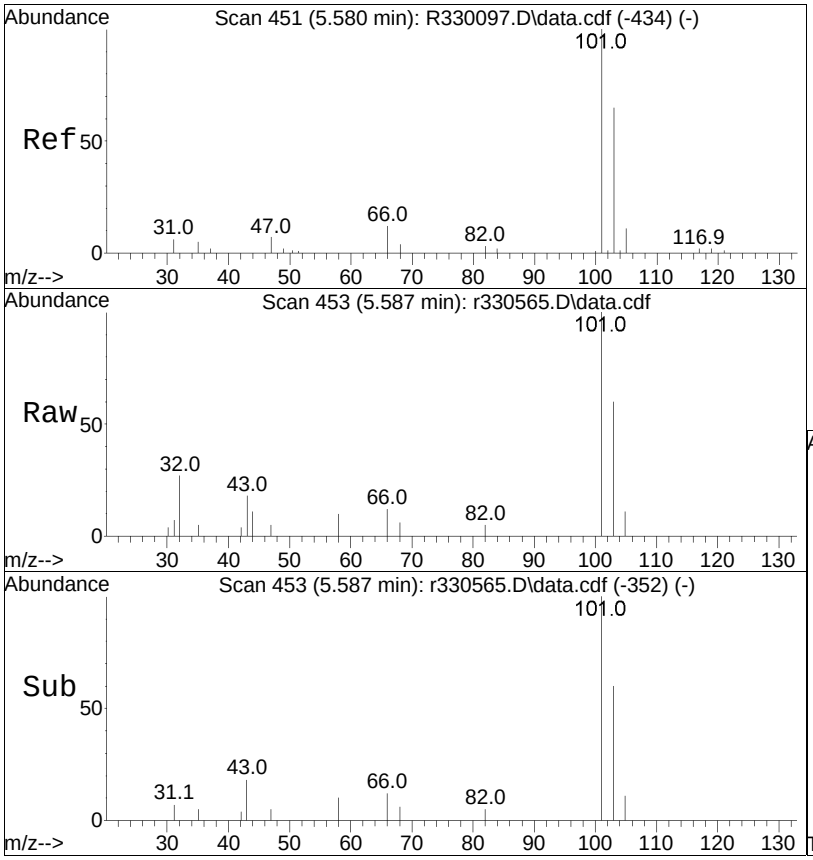


#19
acetone
Concen: 31.58 ppbV m
RT: 5.397 min Scan# 396
Delta R.T. 0.010 min
Lab File: r330565.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion: 43 Resp: 1188565

Ion	Ratio	Lower	Upper
43	100		
58	47.0	27.3	40.9#
57	1.2	0.8	1.2#

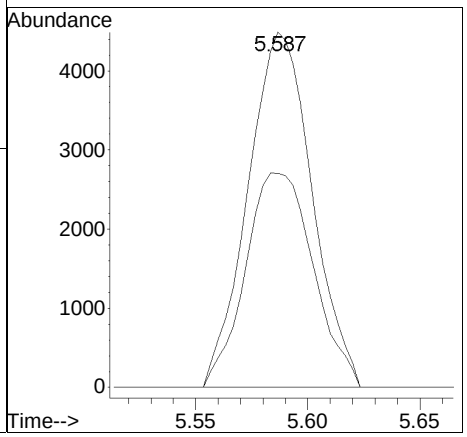


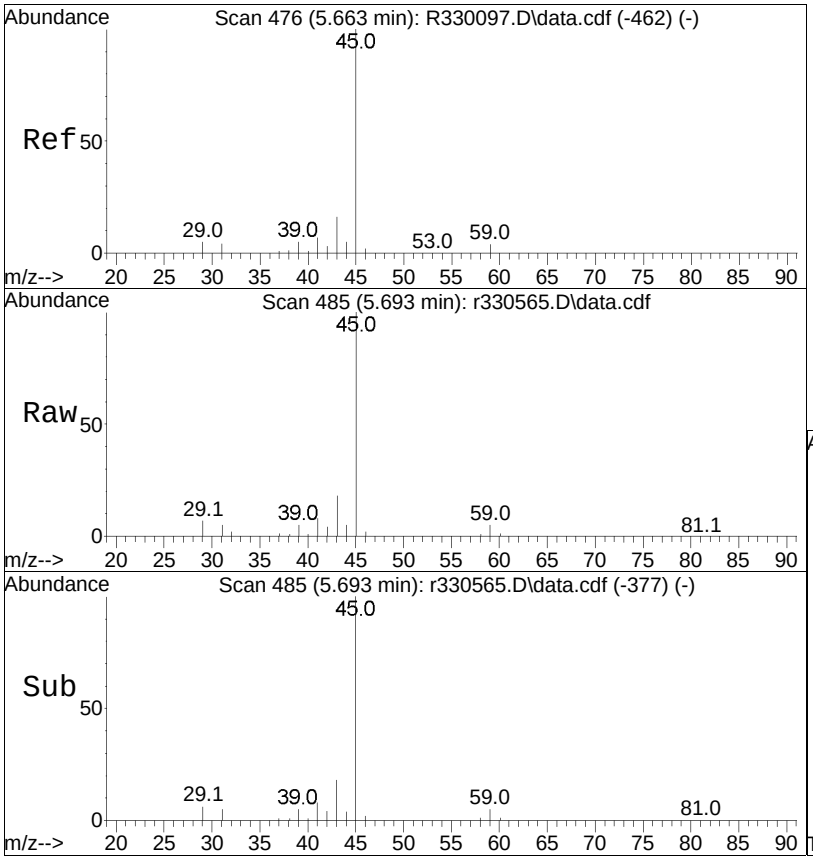


#21
trichlorofluoromethane
Concen: 0.23 ppbV
RT: 5.587 min Scan# 453
Delta R.T. 0.007 min
Lab File: r330565.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion:101 Resp: 8920

Ion	Ratio	Lower	Upper
101	100		
103	60.2	52.0	78.0

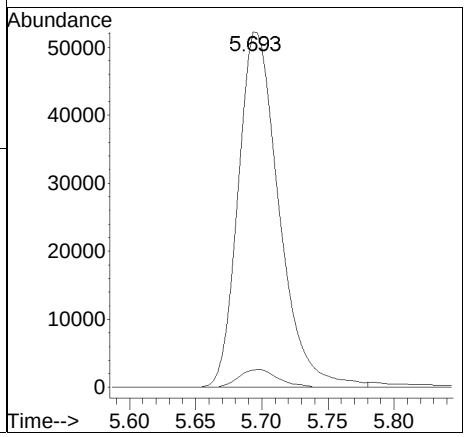


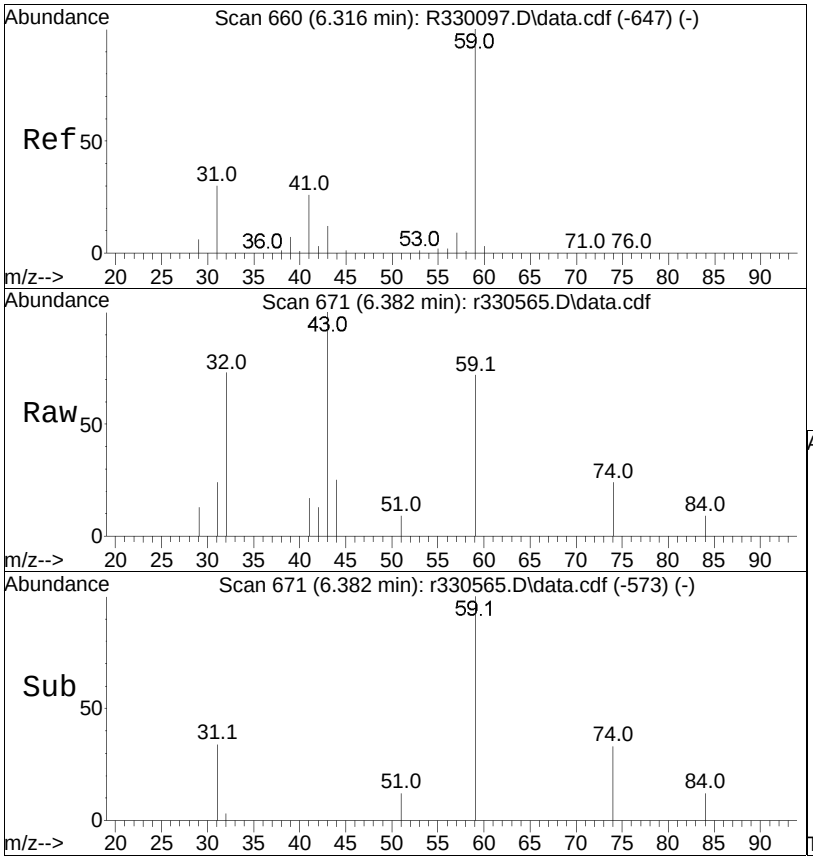


#22
isopropyl alcohol
Concen: 2.24 ppbV
RT: 5.693 min Scan# 485
Delta R.T. 0.030 min
Lab File: r330565.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion: 45 Resp: 112326

Ion	Ratio	Lower	Upper
45	100		
59	4.9	3.0	4.4#

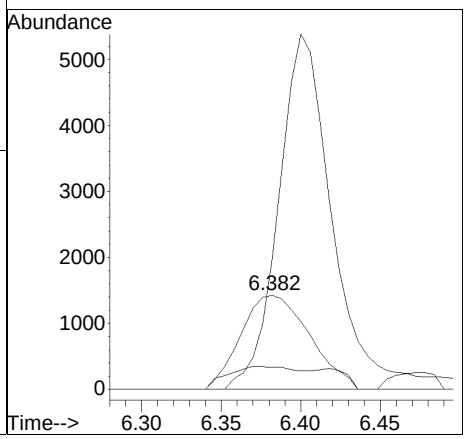


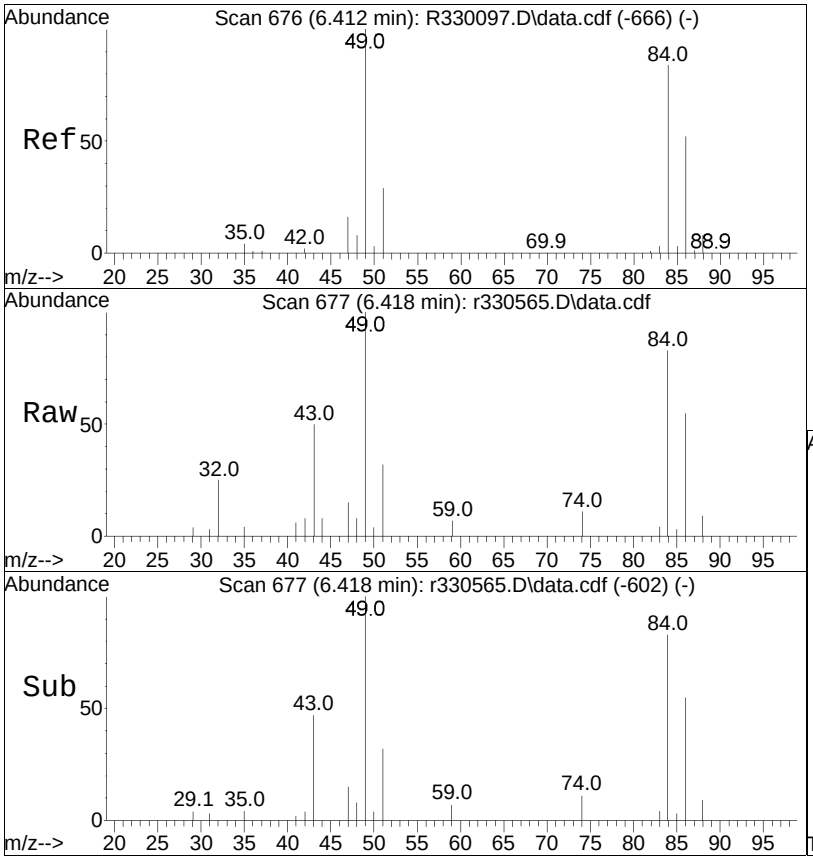


#27
tertiary butyl alcohol
Concen: 0.09 ppbV
RT: 6.382 min Scan# 671
Delta R.T. 0.066 min
Lab File: r330565.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion: 59 Resp: 4285

Ion	Ratio	Lower	Upper
59	100		
41	23.7	20.4	30.6
43	138.6	9.4	14.0#

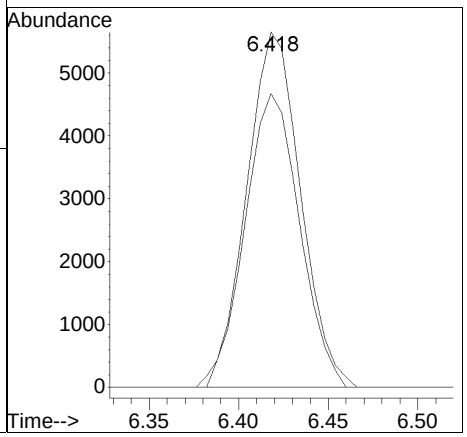


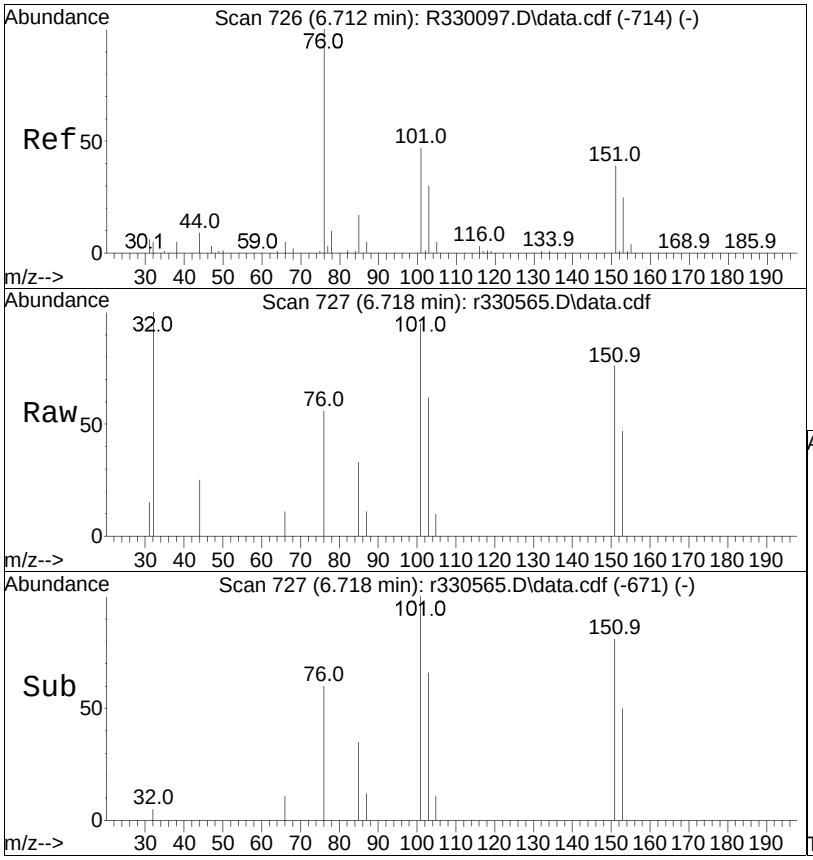


#28
methylene chloride
Concen: 0.43 ppbV
RT: 6.418 min Scan# 677
Delta R.T. 0.006 min
Lab File: r330565.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion: 49 Resp: 11842

Ion	Ratio	Lower	Upper
49	100		
84	82.7	67.0	100.4

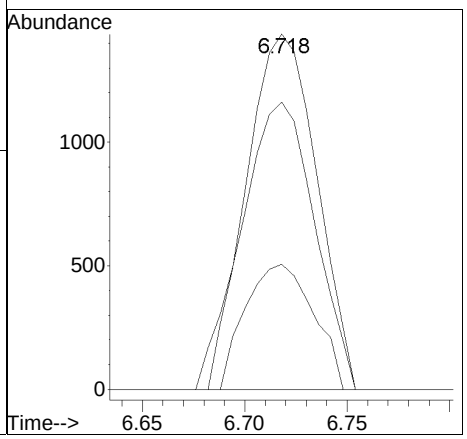


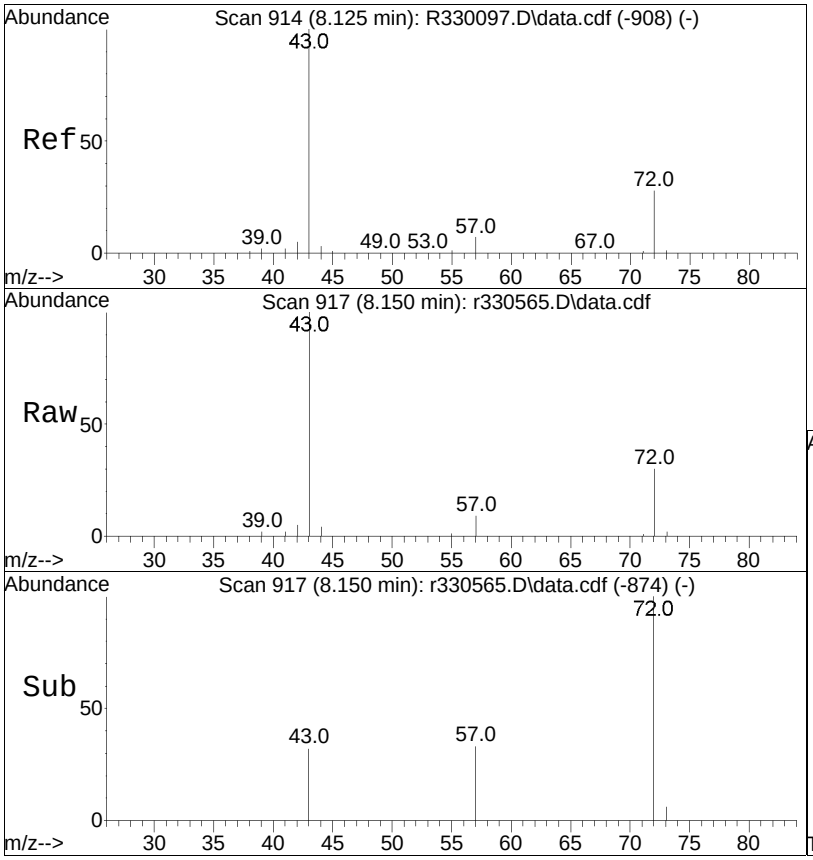


#31
Freon 113
Concen: 0.08 ppbV
RT: 6.718 min Scan# 727
Delta R.T. 0.006 min
Lab File: r330565.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion:101 Resp: 3446

Ion	Ratio	Lower	Upper
101	100		
85	35.2	28.5	42.7
151	80.8	66.9	100.3

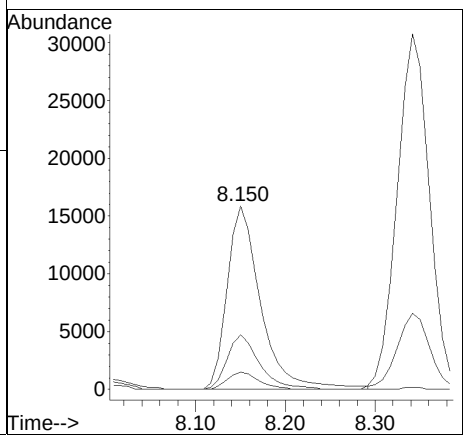


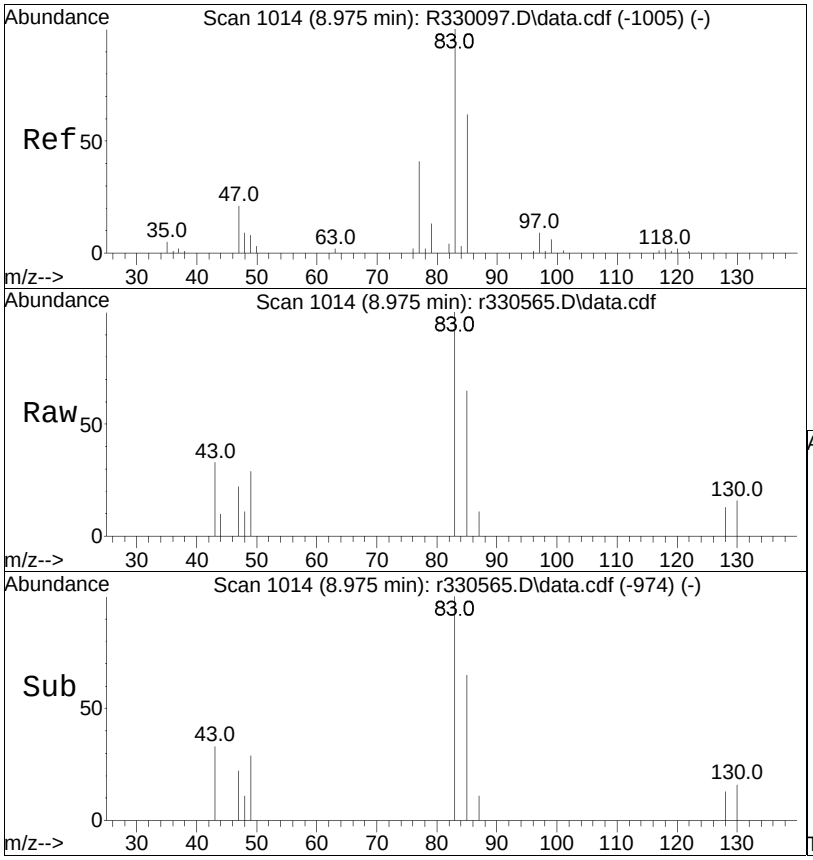


#36
2-butanone
Concen: 0.64 ppbV
RT: 8.150 min Scan# 917
Delta R.T. 0.025 min
Lab File: r330565.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion: 43 Resp: 41512

Ion	Ratio	Lower	Upper
43	100		
72	29.7	22.1	33.1
57	9.4	5.3	7.9#

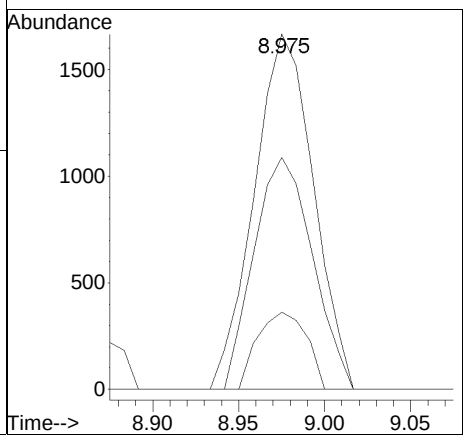


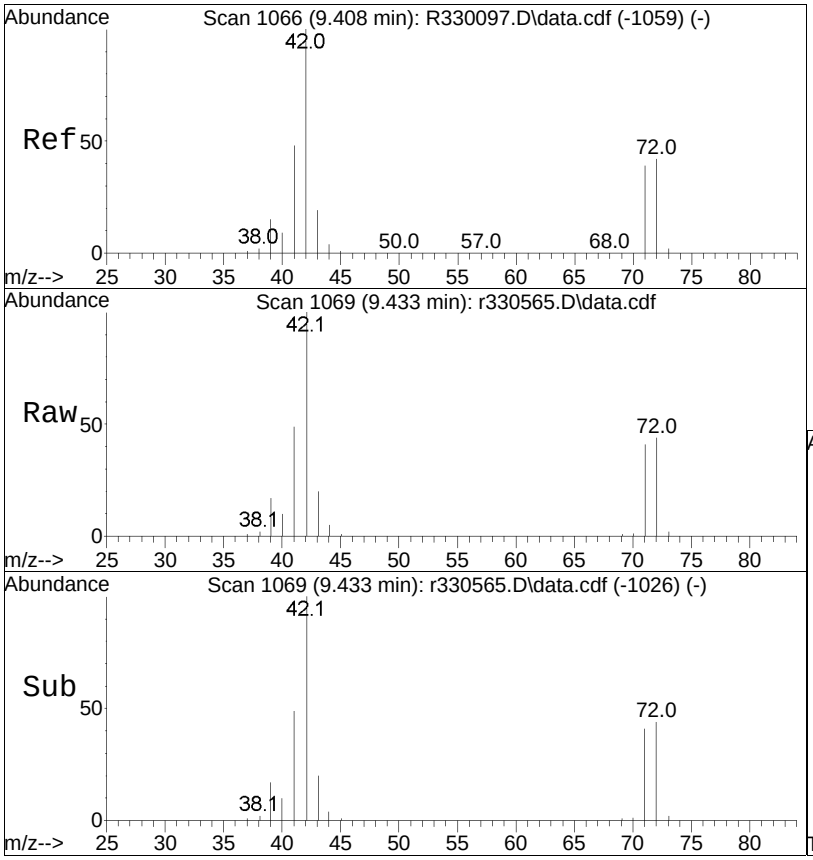


#39
chloroform
Concen: 0.09 ppbV
RT: 8.975 min Scan# 1014
Delta R.T. 0.000 min
Lab File: r330565.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion: 83 Resp: 4001

Ion	Ratio	Lower	Upper
83	100		
85	65.3	49.8	74.8
47	21.7	16.8	25.2

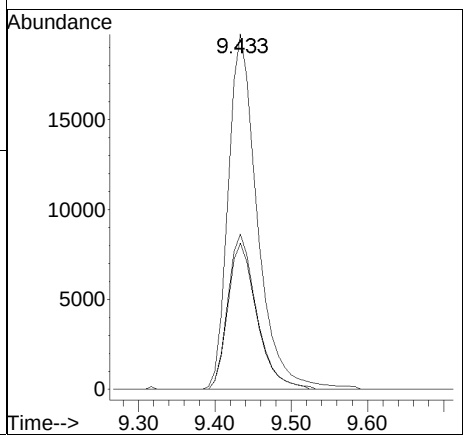


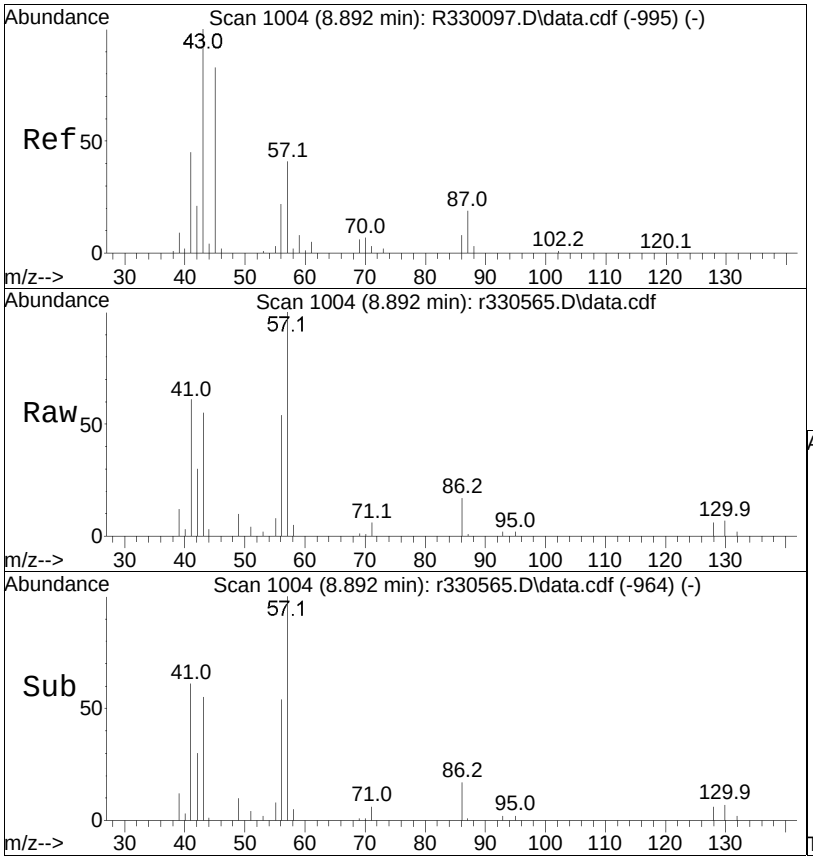


#40
Tetrahydrofuran
Concen: 1.27 ppbV
RT: 9.433 min Scan# 1069
Delta R.T. 0.025 min
Lab File: r330565.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion: 42 Resp: 52632

Ion	Ratio	Lower	Upper
42	100		
71	41.1	31.0	46.4
72	43.7	33.4	50.2

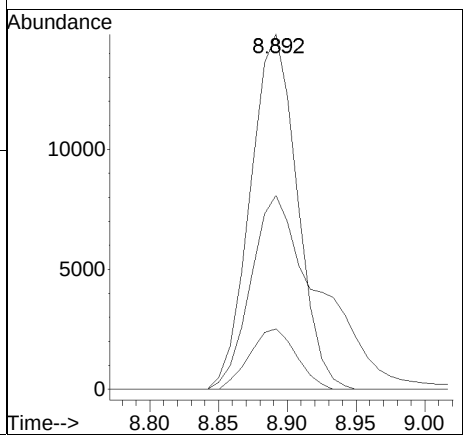


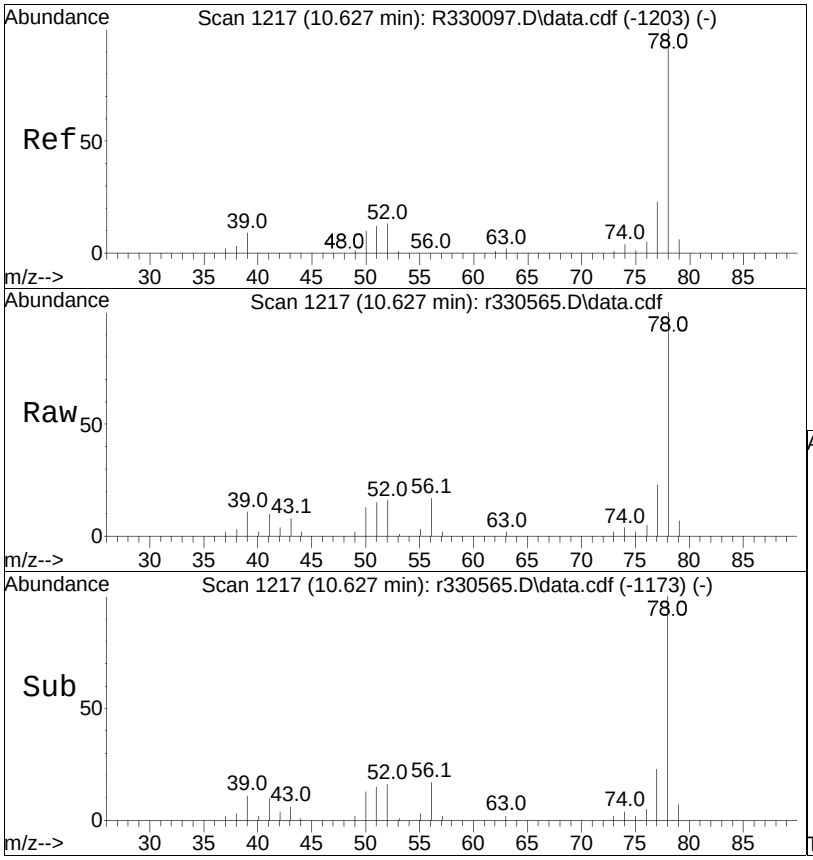


#44
hexane
Concen: 0.85 ppbV
RT: 8.892 min Scan# 1004
Delta R.T. 0.000 min
Lab File: r330565.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion: 57 Resp: 34997

Ion	Ratio	Lower	Upper
57	100		
43	54.6	196.5	294.7#
86	17.0	15.8	23.6

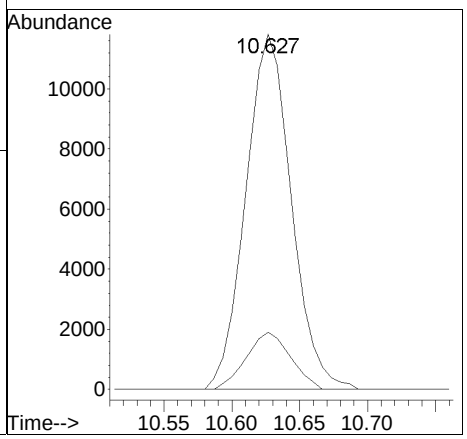


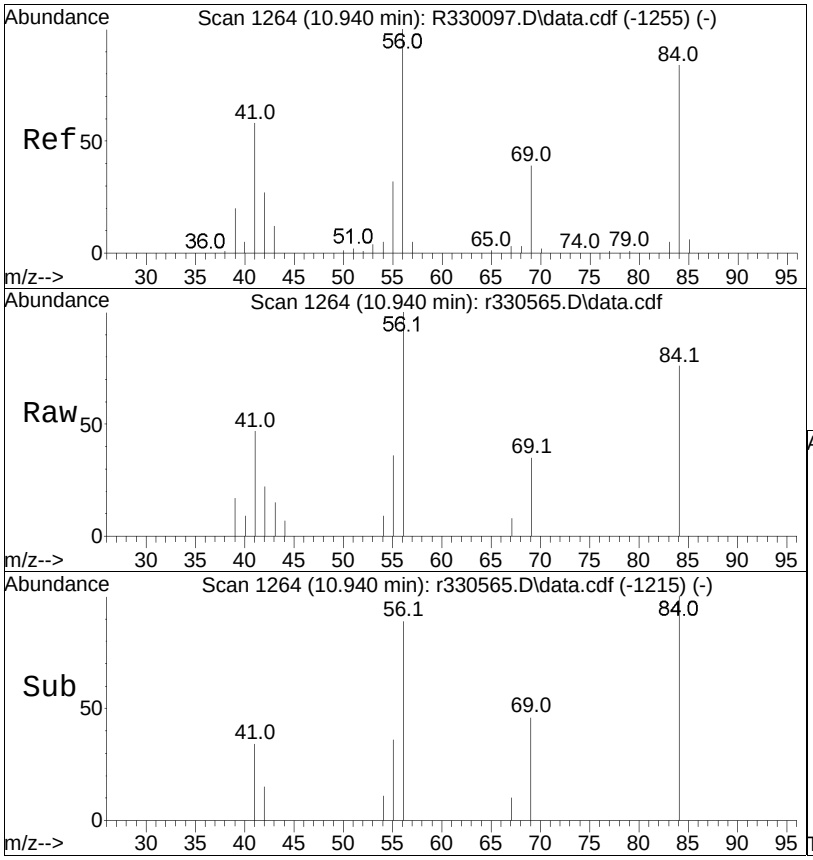


#50
benzene
Concen: 0.30 ppbV
RT: 10.627 min Scan# 1217
Delta R.T. 0.000 min
Lab File: r330565.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion: 78 Resp: 27627

Ion	Ratio	Lower	Upper
78	100		
52	16.1	10.4	15.6#

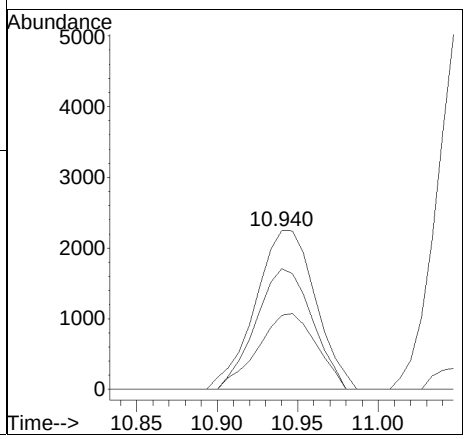


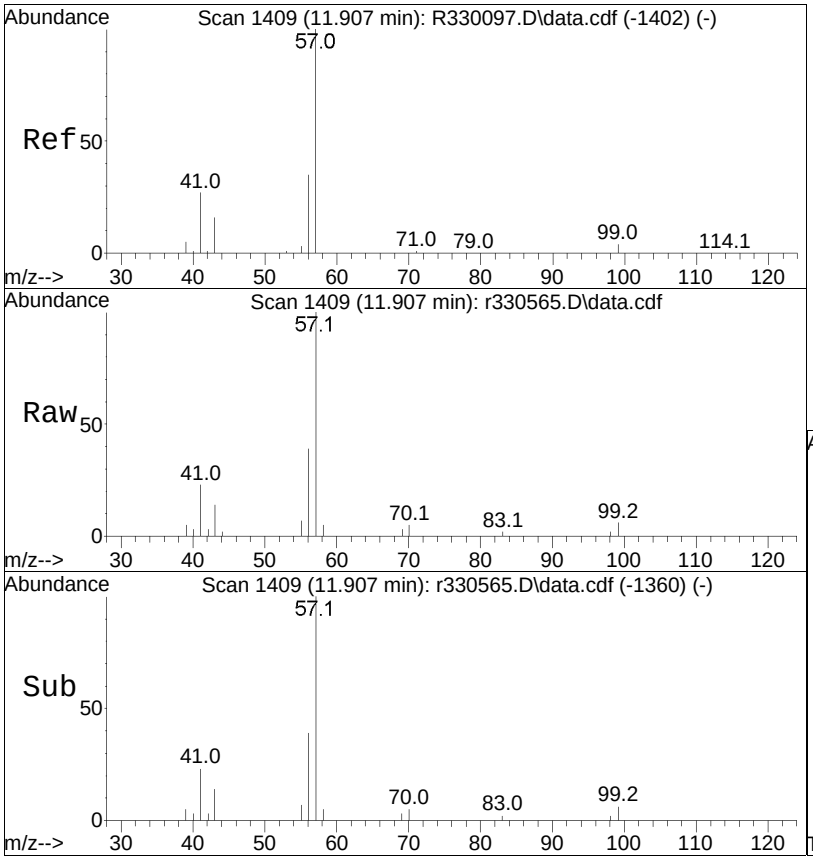


#53
cyclohexane
Concen: 0.13 ppbV
RT: 10.940 min Scan# 1264
Delta R.T. 0.000 min
Lab File: r330565.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion: 56 Resp: 5849

Ion	Ratio	Lower	Upper
56	100		
84	76.0	67.4	101.2
41	46.6	46.4	69.6

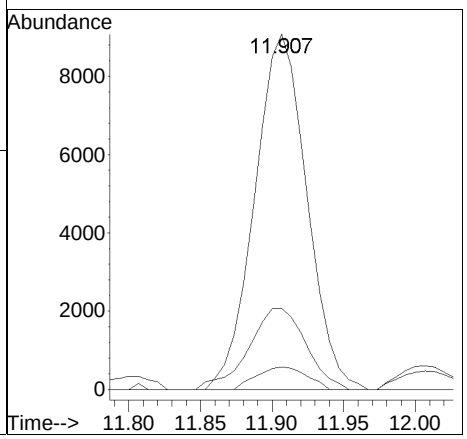


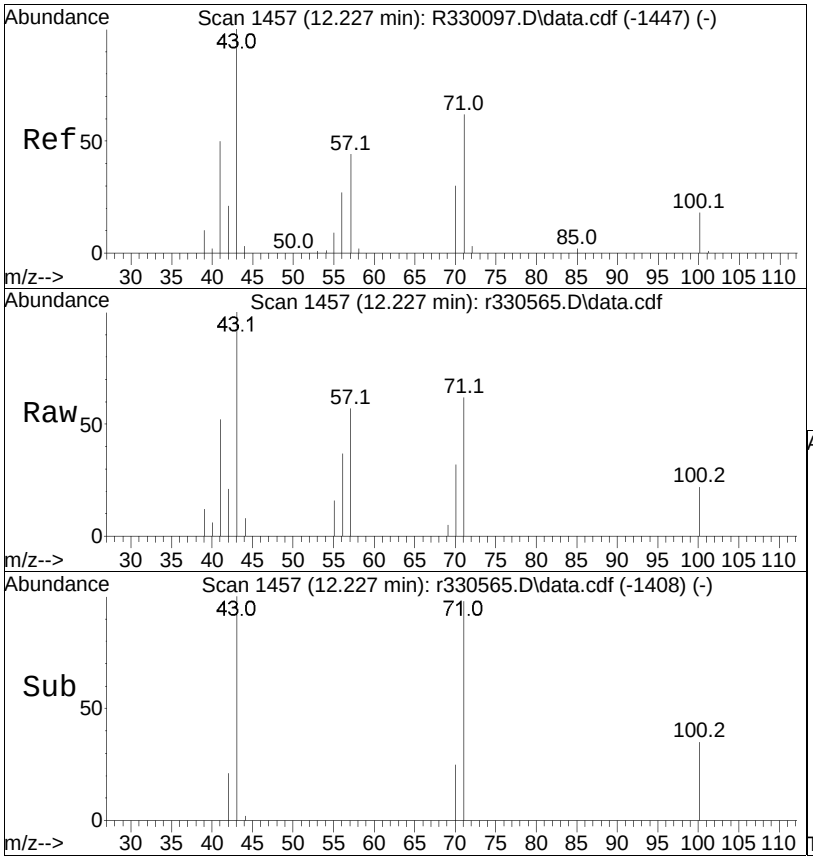


#60
2,2,4-trimethylpentane
Concen: 0.17 ppbV
RT: 11.907 min Scan# 1409
Delta R.T. 0.000 min
Lab File: r330565.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion: 57 Resp: 22959

Ion	Ratio	Lower	Upper
57	100		
99	6.3	5.3	7.9
41	22.8	21.4	32.0

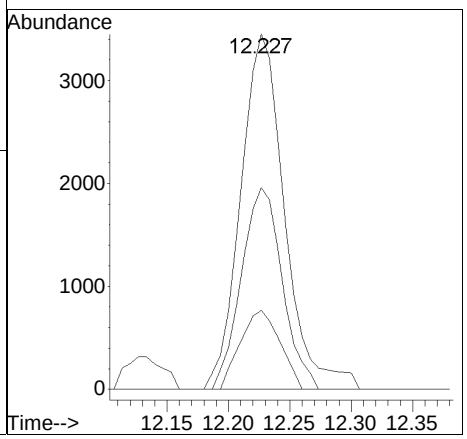


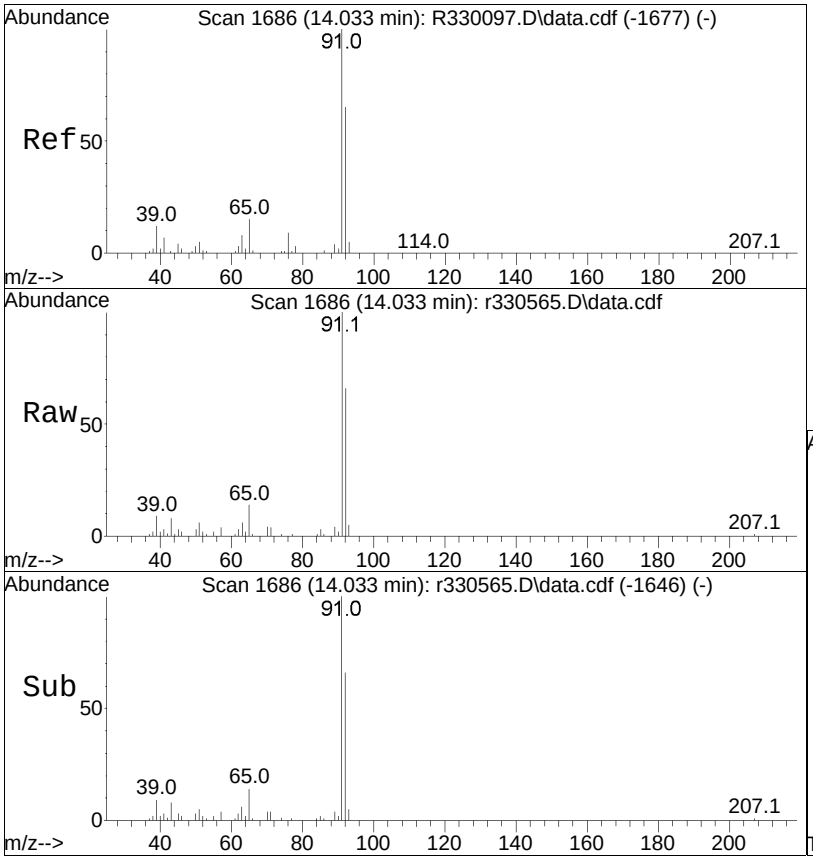


#62
heptane
Concen: 0.14 ppbV
RT: 12.227 min Scan# 1457
Delta R.T. 0.000 min
Lab File: r330565.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion: 43 Resp: 8600

Ion	Ratio	Lower	Upper
43	100		
57	56.7	34.9	52.3#
100	22.2	14.9	22.3

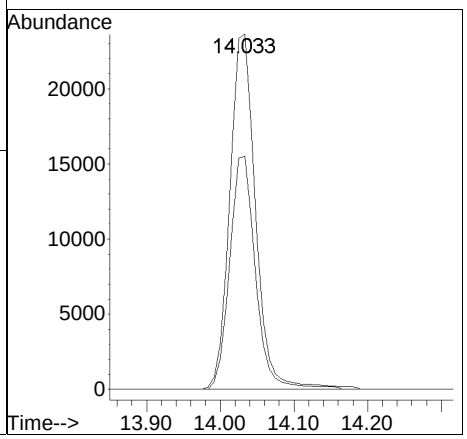


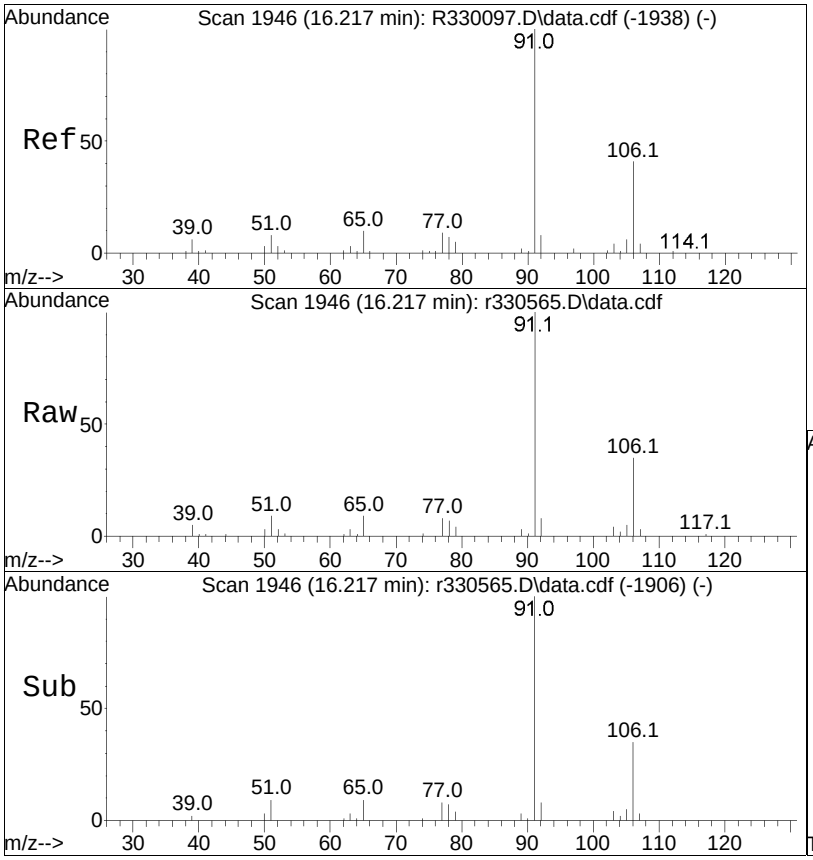


#68
toluene
Concen: 0.50 ppbV
RT: 14.033 min Scan# 1686
Delta R.T. 0.000 min
Lab File: r330565.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion: 91 Resp: 57839

Ion	Ratio	Lower	Upper
91	100		
92	65.6	52.1	78.1

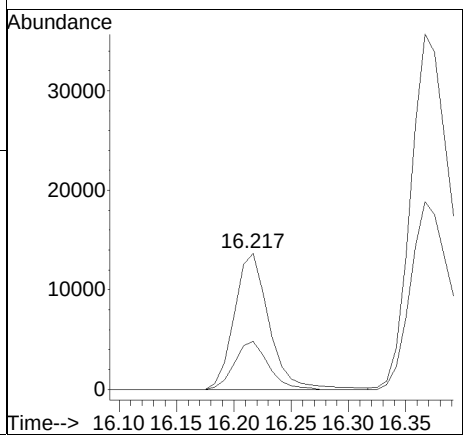


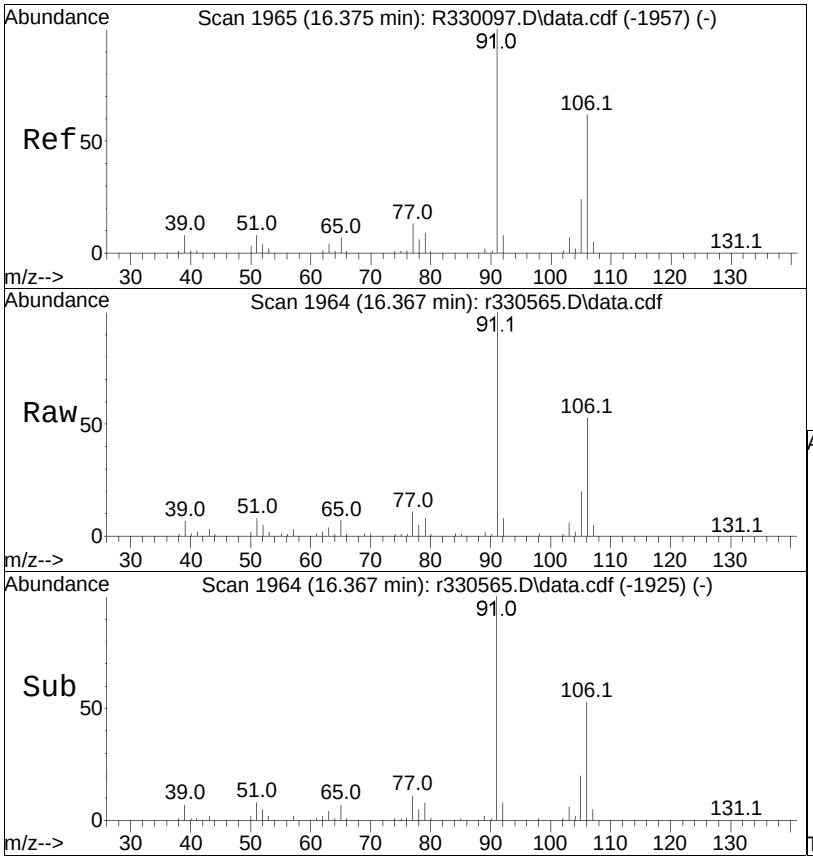


#81
ethylbenzene
Concen: 0.20 ppbV
RT: 16.217 min Scan# 1946
Delta R.T. -0.000 min
Lab File: r330565.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion: 91 Resp: 28879

Ion	Ratio	Lower	Upper
91	100		
106	35.3	32.6	49.0

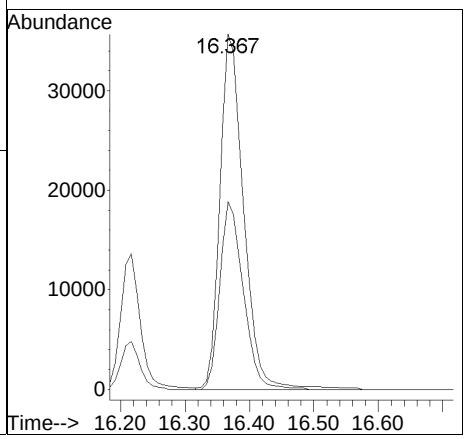


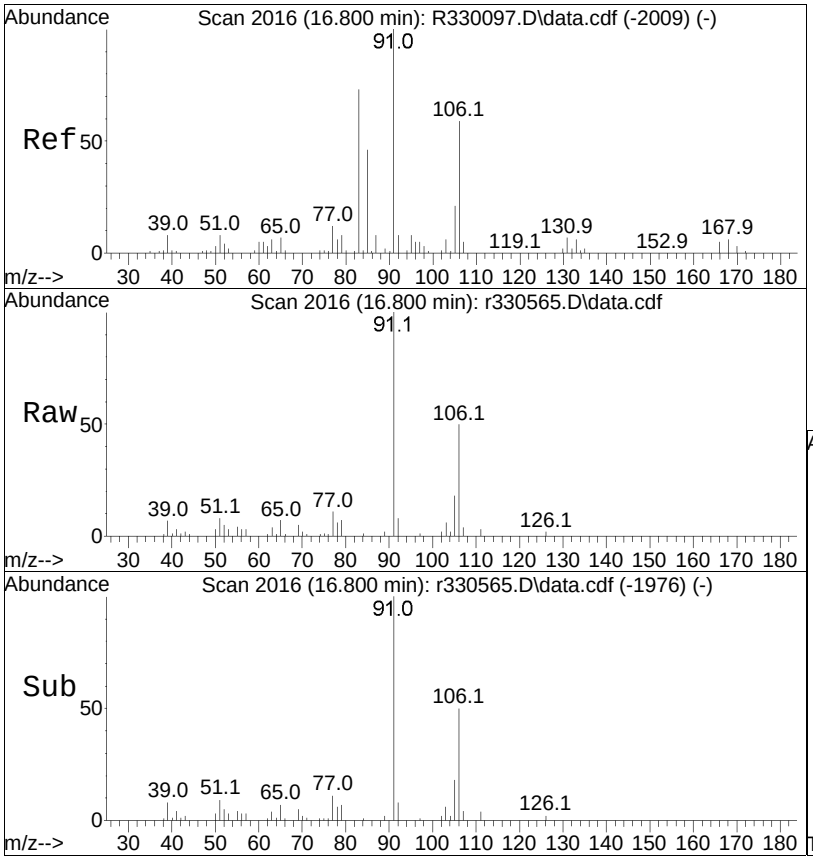


#83
m+p-xylene
Concen: 0.78 ppbV
RT: 16.367 min Scan# 1964
Delta R.T. -0.008 min
Lab File: r330565.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion: 91 Resp: 91246

Ion	Ratio	Lower	Upper
91	100		
106	52.8	49.2	73.8

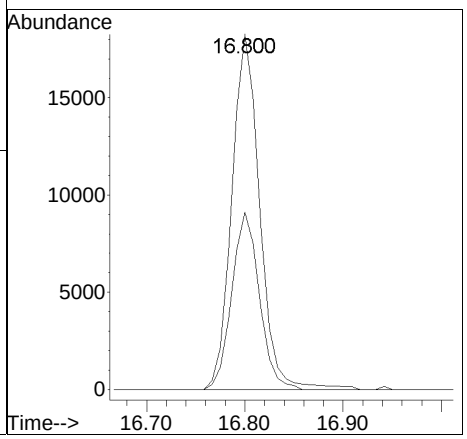


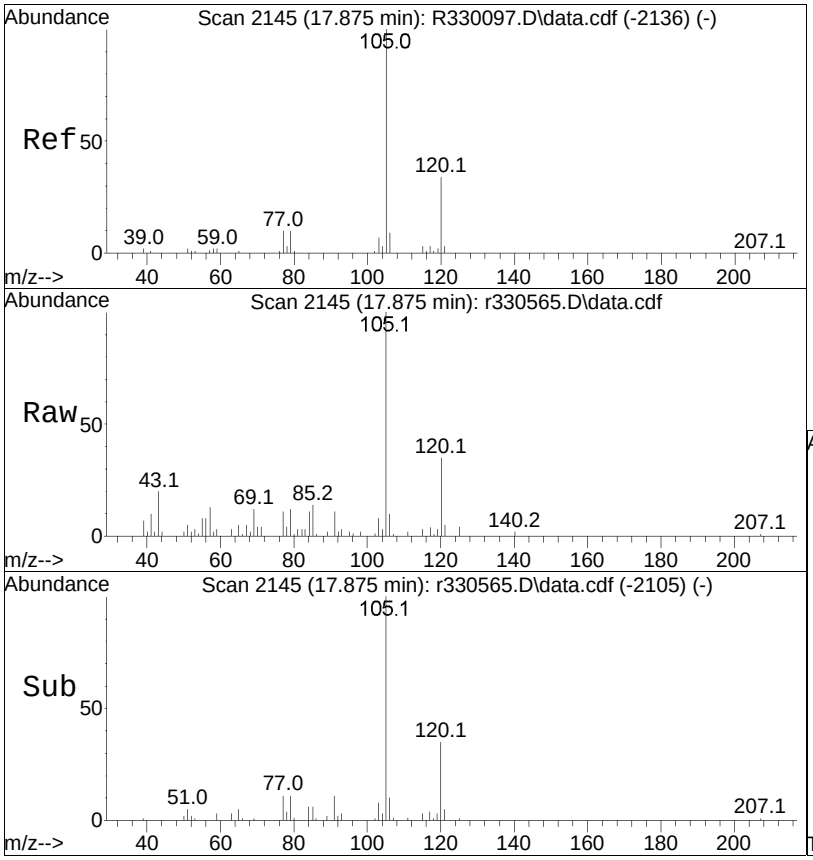


#87
o-xylene
Concen: 0.31 ppbV
RT: 16.800 min Scan# 2016
Delta R.T. 0.000 min
Lab File: r330565.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion: 91 Resp: 35946

Ion	Ratio	Lower	Upper
91	100		
106	49.9	47.5	71.3

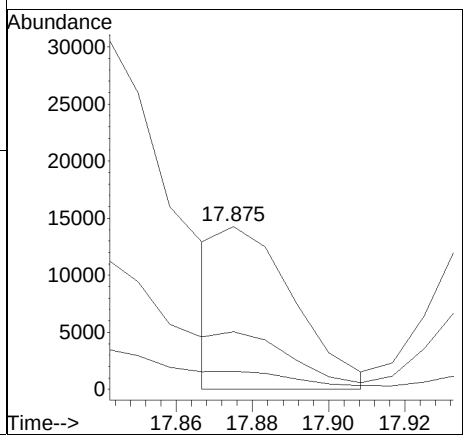


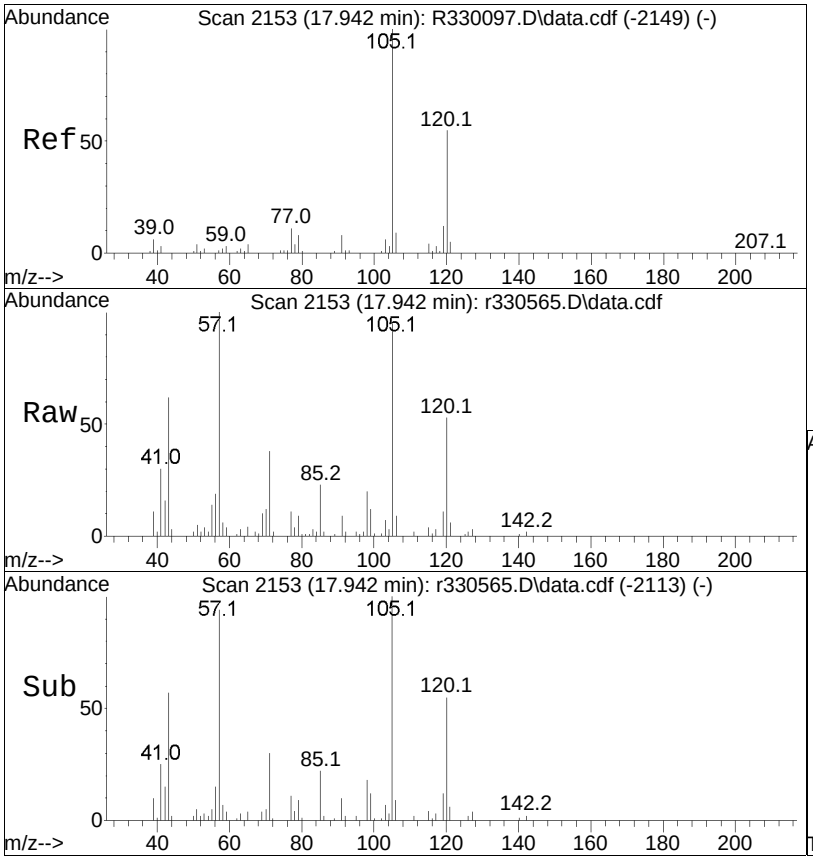


#96
4-ethyl toluene
Concen: 0.11 ppbV m
RT: 17.875 min Scan# 2145
Delta R.T. 0.000 min
Lab File: r330565.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion:105 Resp: 19476

Ion	Ratio	Lower	Upper
105	100		
120	35.4	27.2	40.8
91	11.2	7.1	10.7#

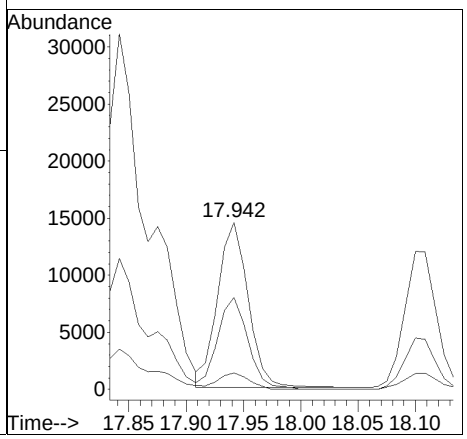


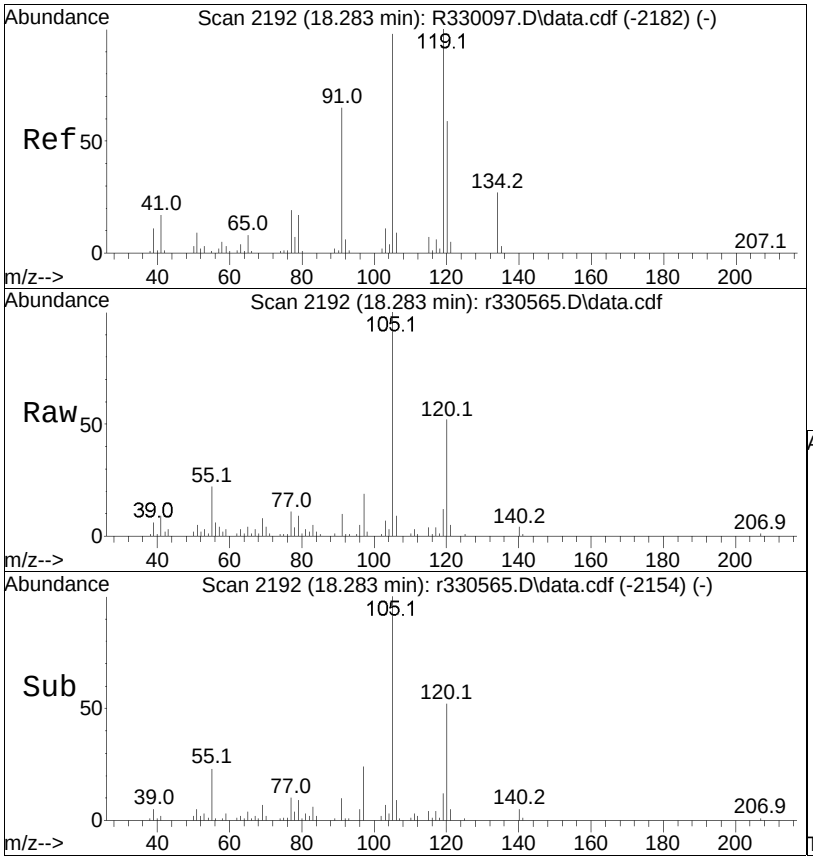


#97
1,3,5-trimethylbenzene
Concen: 0.18 ppbV
RT: 17.942 min Scan# 2153
Delta R.T. 0.000 min
Lab File: r330565.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion:105 Resp: 26801

Ion	Ratio	Lower	Upper
105	100		
120	55.1	43.1	64.7
91	9.9	6.8	10.2

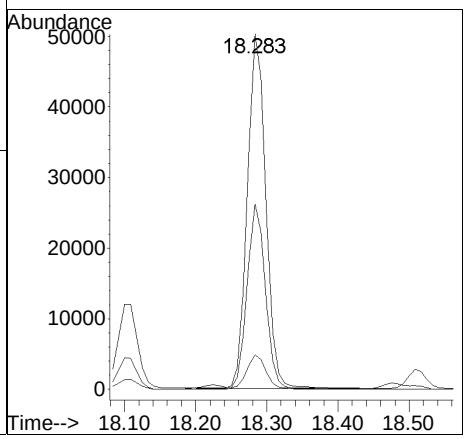


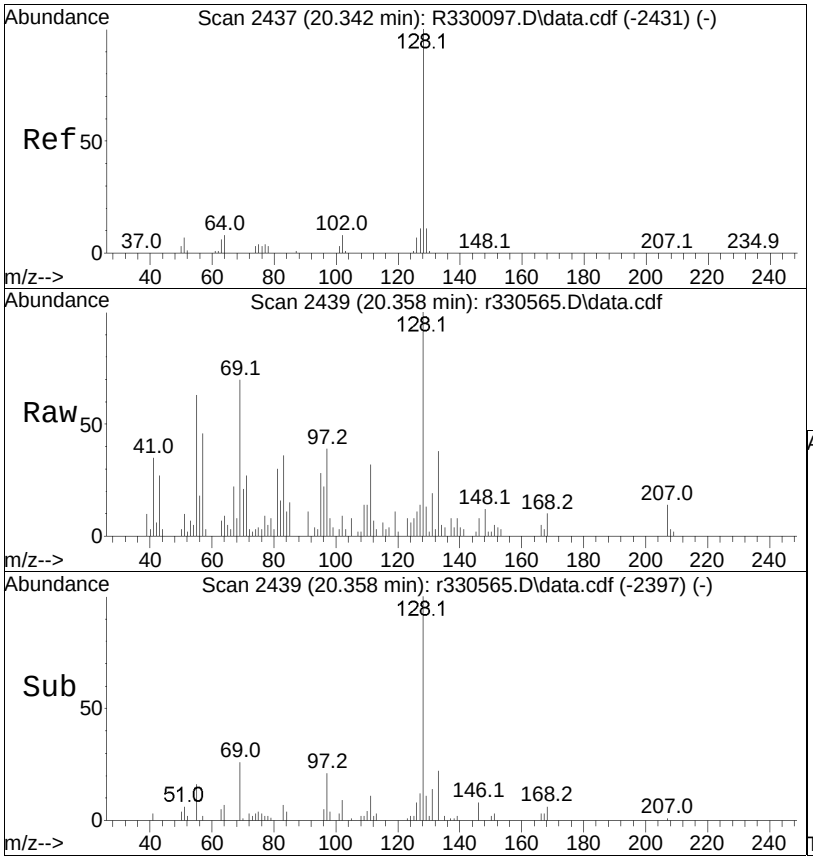


#99
1,2,4-trimethylbenzene
Concen: 0.63 ppbV
RT: 18.283 min Scan# 2192
Delta R.T. 0.000 min
Lab File: r330565.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion:105 Resp: 90678

Ion	Ratio	Lower	Upper
105	100		
120	52.2	47.8	71.8
91	9.7	53.4	80.0#

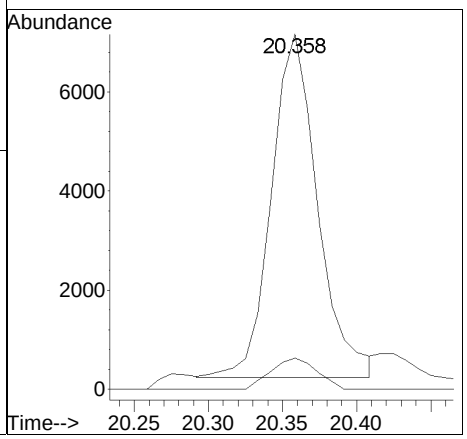




#116
naphthalene
Concen: 0.08 ppbV m
RT: 20.358 min Scan# 2439
Delta R.T. 0.017 min
Lab File: r330565.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion:128 Resp: 15078

Ion	Ratio	Lower	Upper
128	100		
102	8.8	6.3	9.5

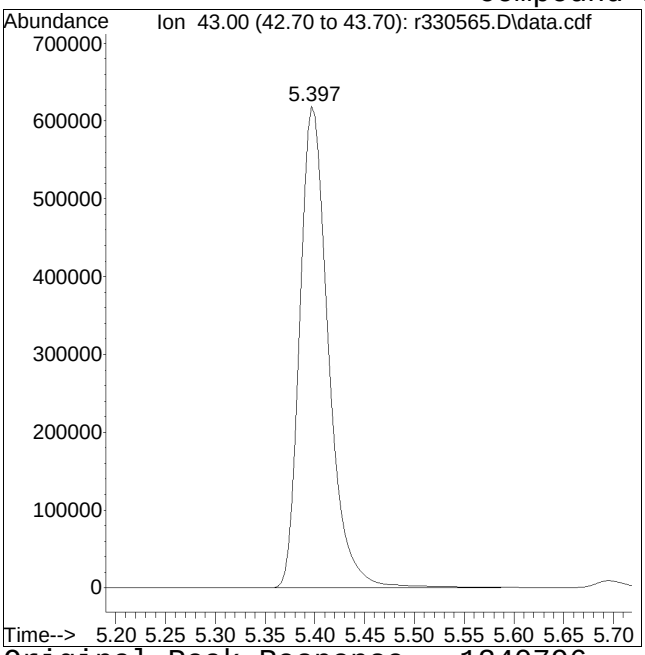


Manual Integration Report

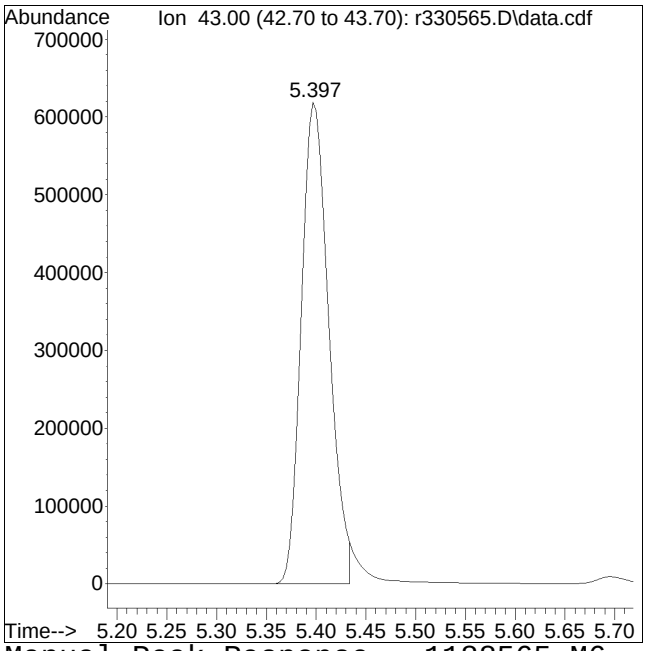
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330565.D
Date Inj'd : 4/23/2020 0:7: 7
Sample : L2419731-07,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:09 am

Compound #19: acetone



Original Peak Response = 1240796



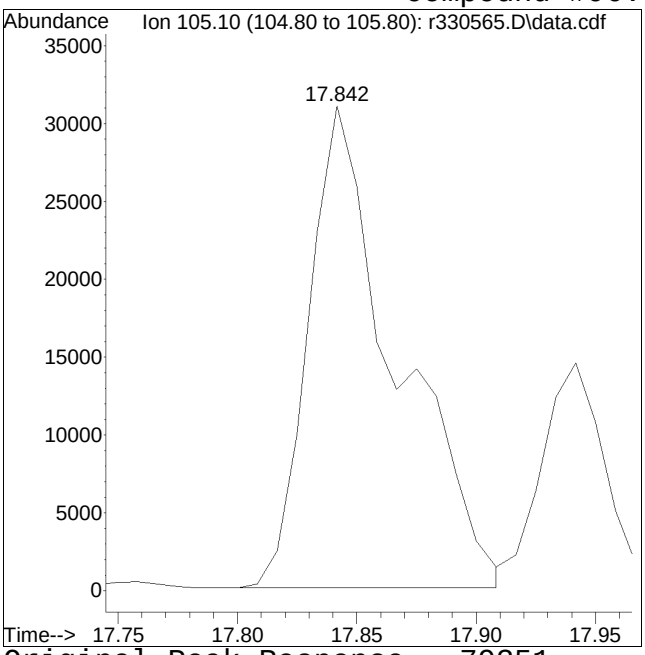
Manual Peak Response = 1188565 M6

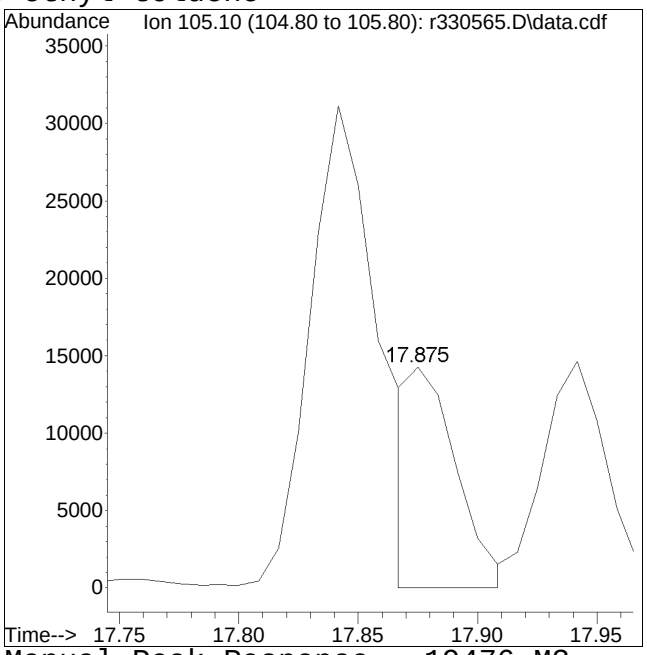
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : r330565.D Operator : AIRPIANO3:JMB
Date Inj'd : 4/23/2020 0:7: 7 Instrument :
Sample : L2419731-07,3,250,250 Quant Date : 4/24/2024 7:09 am

Compound #96: 4-ethyl toluene





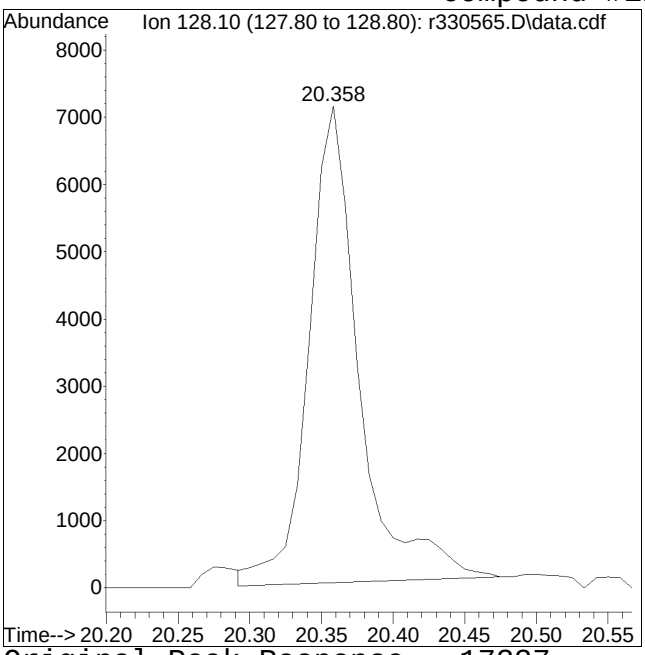
Original Peak Response = 79351 Manual Peak Response = 19476 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

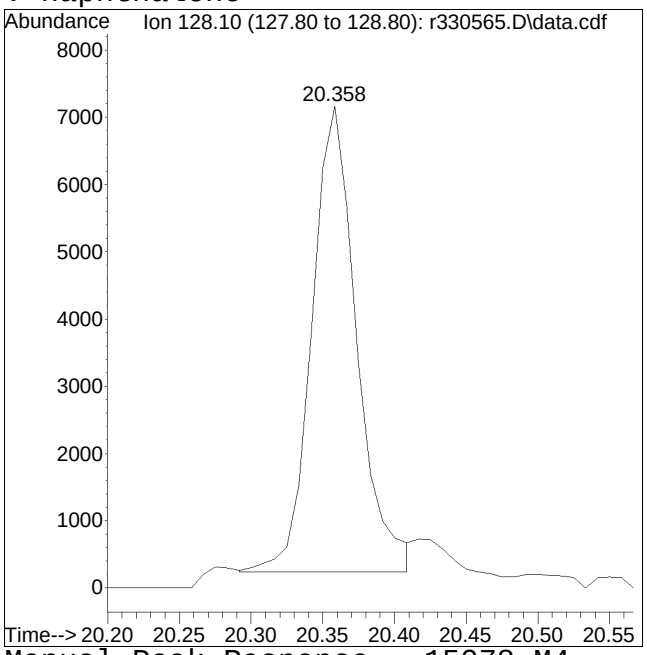
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : r330565.D Operator : AIRPIANO3:JMB
Date Inj'd : 4/23/2020 0:7: 7 Instrument :
Sample : L2419731-07,3,250,250 Quant Date : 4/24/2024 7:09 am

Compound #116: naphthalene



Original Peak Response = 17337



Manual Peak Response = 15078 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330566.D
Acq On : 23 Apr 2024 7:48 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-08,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:09:34 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423T\r330561.D
Sub List : TO15-NY+NAPH-7-SIM - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.817	49	355820	10.000	ppbV	0.00
Standard Area = 361003			Recovery = 98.56%			
43) 1,4-difluorobenzene	11.053	114	1144586	10.000	ppbV	0.00
Standard Area = 1163384			Recovery = 98.38%			
67) chlorobenzene-D5	15.817	54	169522	10.000	ppbV	0.00
Standard Area = 169079			Recovery = 100.26%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.798	85	16684	0.430	ppbV	98
6) chloromethane	3.954	50	9177M4	0.473	ppbV	
7) Freon-114	4.056		0	N.D.		
10) 1,3-butadiene	4.308	54	1433	0.084	ppbV	97
13) bromomethane	4.584		0	N.D.		
14) chloroethane	4.764	64	1717	0.154	ppbV	94
15) ethanol	4.890	31	340308	27.960	ppbV #	78
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.390	43	1767082M6	45.631	ppbV	
21) trichlorofluoromethane	5.583	101	8987	0.228	ppbV	99
22) isopropyl alcohol	5.687	45	134520	2.606	ppbV #	96
27) tertiary butyl alcohol	6.358	59	2939M6	0.057	ppbV	
28) methylene chloride	6.418	49	7217	0.253	ppbV	96
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	6.712		0	N.D.		
31) Freon 113	6.712	101	3613	0.078	ppbV	98
32) trans-1,2-dichloroethene	0.000		0	N.D.		
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	7.742		0	N.D.		
36) 2-butanone	8.142	43	82418	1.245	ppbV #	96
38) Ethyl Acetate	8.925	61	5320	0.536	ppbV #	15
39) chloroform	8.975	83	3190	0.073	ppbV	97
40) Tetrahydrofuran	9.433	42	55401	1.296	ppbV	94
42) 1,2-dichloroethane	9.808		0	N.D.		
44) hexane	8.892	57	27651	0.644	ppbV #	1
50) benzene	10.627	78	33742	0.347	ppbV #	90
53) cyclohexane	10.940	56	7777	0.171	ppbV	87
56) 1,2-dichloropropane	0.000		0	N.D.		

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330566.D
Acq On : 23 Apr 2024 7:48 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-08,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:09:34 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423T\r330561.D
Sub List : TO15-NY+NAPH-7-SIM - .

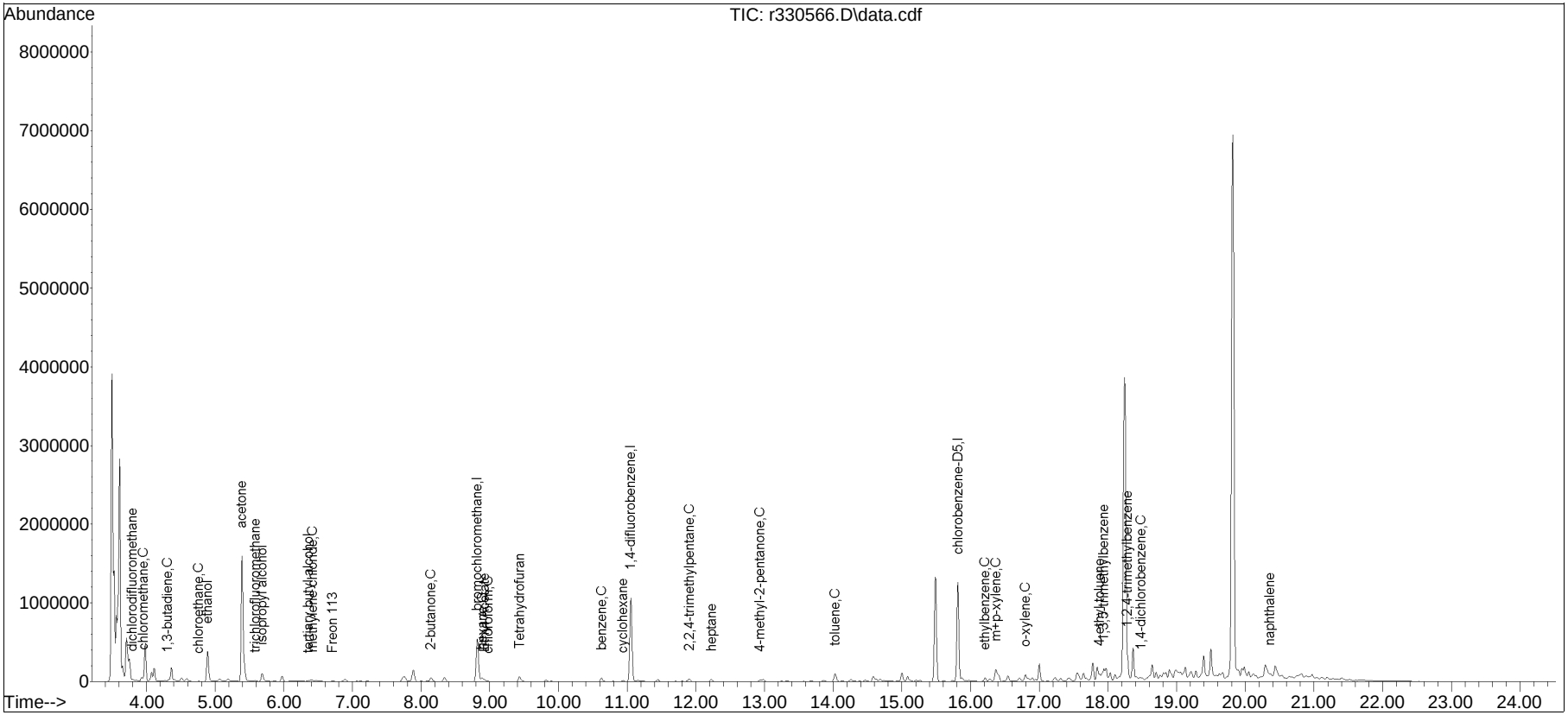
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
57)	bromodichloromethane	11.807		0	N.D.			
58)	1,4-dioxane	0.000		0	N.D.			
60)	2,2,4-trimethylpentane	11.907	57	40515	0.292	ppbV		93
62)	heptane	12.227	43	16451	0.264	ppbV	#	84
63)	cis-1,3-dichloropropene	0.000		0	N.D.			
64)	4-methyl-2-pentanone	12.933	43	19747	0.269	ppbV	#	83
65)	trans-1,3-dichloropropene	0.000		0	N.D.			
66)	1,1,2-trichloroethane	0.000		0	N.D.			
68)	toluene	14.025	91	80354	0.666	ppbV		99
72)	2-hexanone	14.383		0	N.D.			
74)	dibromochloromethane	0.000		0	N.D.			
75)	1,2-dibromoethane	0.000		0	N.D.			
80)	chlorobenzene	0.000		0	N.D.	d		
81)	ethylbenzene	16.208	91	42785	0.282	ppbV		93
83)	m+p-xylene	16.367	91	134467	1.105	ppbV		91
84)	bromoform	0.000		0	N.D.			
85)	styrene	16.717		0	N.D.			
86)	1,1,2,2-tetrachloroethane	16.783		0	N.D.			
87)	o-xylene	16.800	91	54915	0.455	ppbV		88
96)	4-ethyl toluene	17.875	105	30249M4	0.168	ppbV		
97)	1,3,5-trimethylbenzene	17.942	105	42150	0.270	ppbV		99
99)	1,2,4-trimethylbenzene	18.283	105	152698M6	1.018	ppbV		
101)	Benzyl Chloride	18.417		0	N.D.			
102)	1,3-dichlorobenzene	0.000		0	N.D.	d		
103)	1,4-dichlorobenzene	18.483	146	3137	0.031	ppbV	#	71
107)	1,2-dichlorobenzene	18.758		0	N.D.			
115)	1,2,4-trichlorobenzene	20.250		0	N.D.			
116)	naphthalene	20.358	128	22467M4	0.117	ppbV		
119)	hexachlorobutadiene	0.000		0	N.D.			

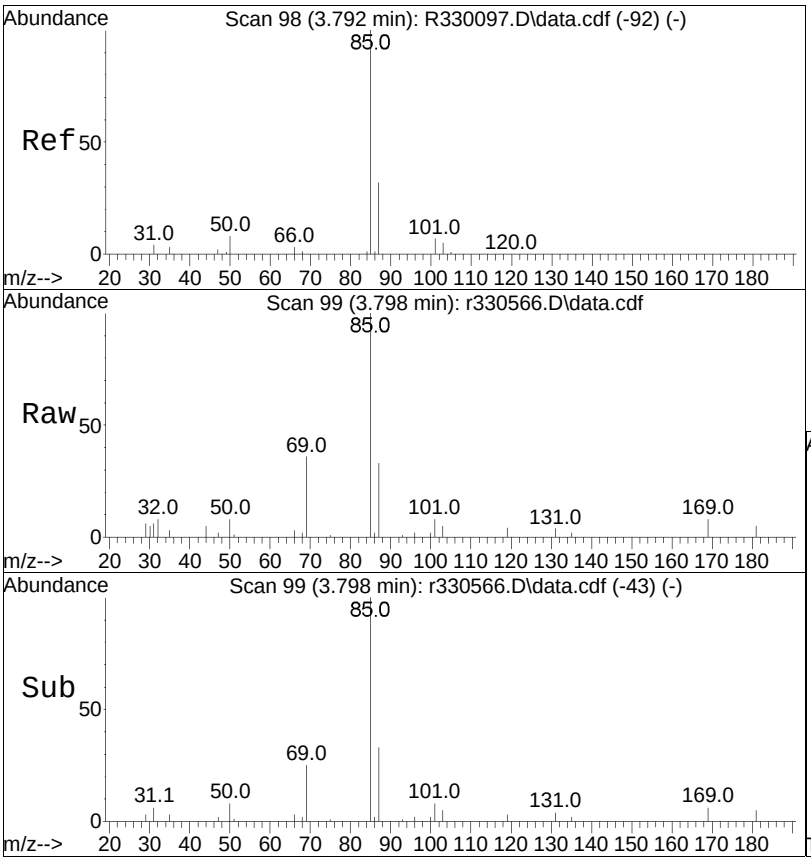
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY+NAPH-7-SIM - .iano3\2024\04\0423T\r330561.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330566.D
Acq On : 23 Apr 2024 7:48 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-08,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:09:34 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

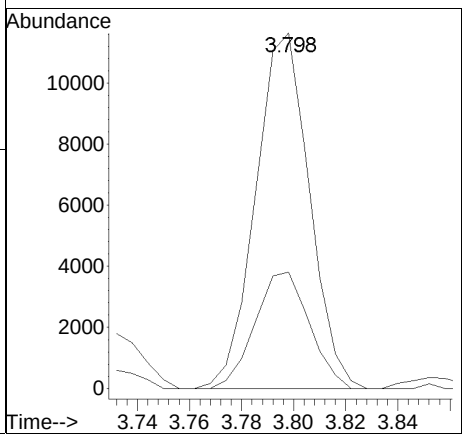


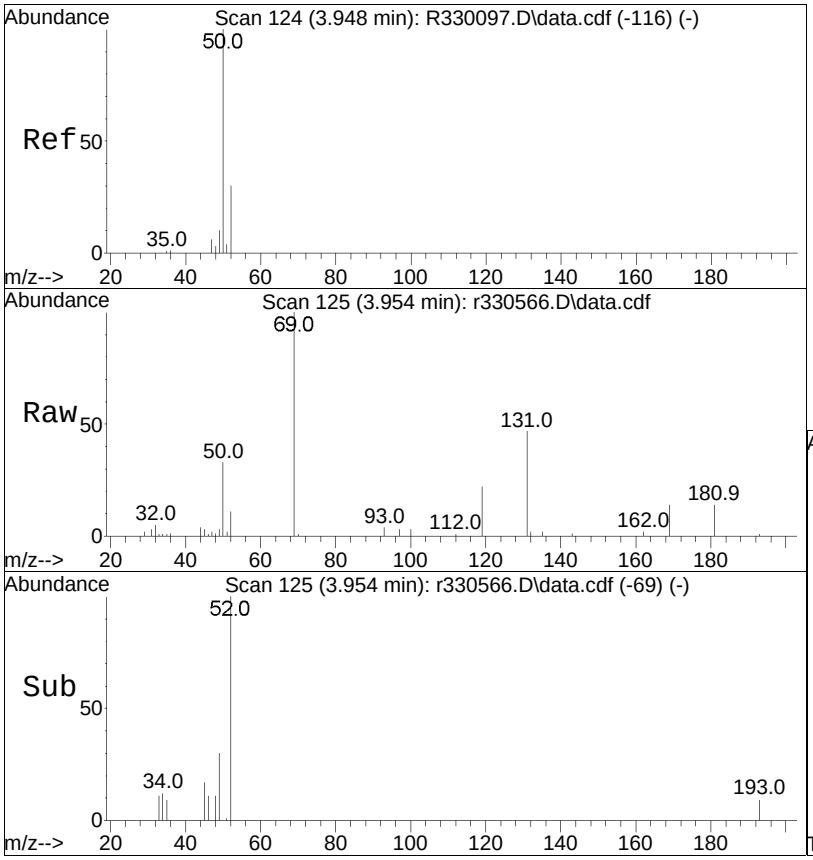


#5
dichlorodifluoromethane
Concen: 0.43 ppbV
RT: 3.798 min Scan# 99
Delta R.T. 0.006 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion: 85 Resp: 16684

Ion	Ratio	Lower	Upper
85	100		
87	32.7	25.4	38.2

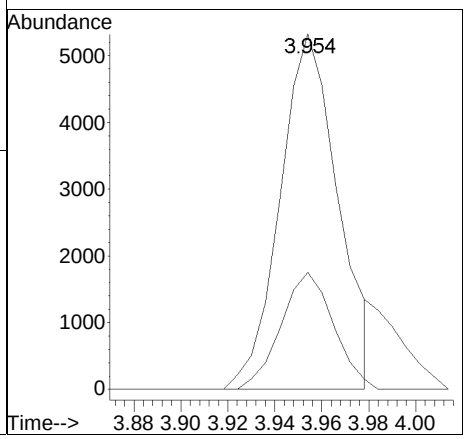


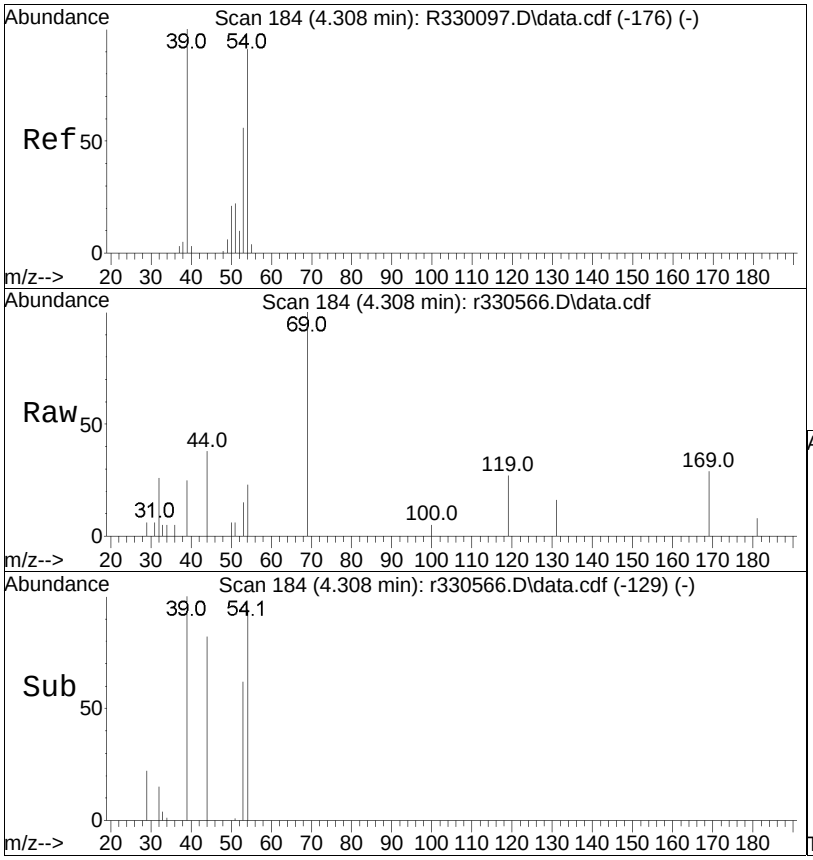


#6
chloromethane
Concen: 0.47 ppbV m
RT: 3.954 min Scan# 125
Delta R.T. 0.006 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion: 50 Resp: 9177

Ion	Ratio	Lower	Upper
50	100		
52	32.9	24.0	36.0

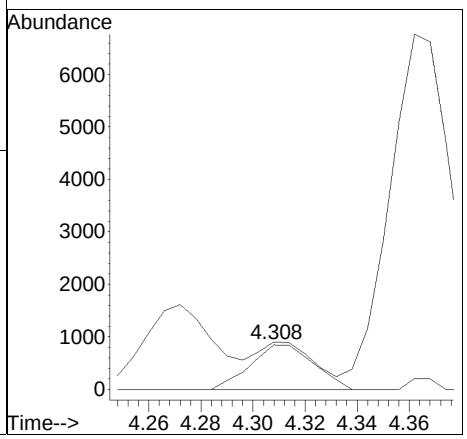


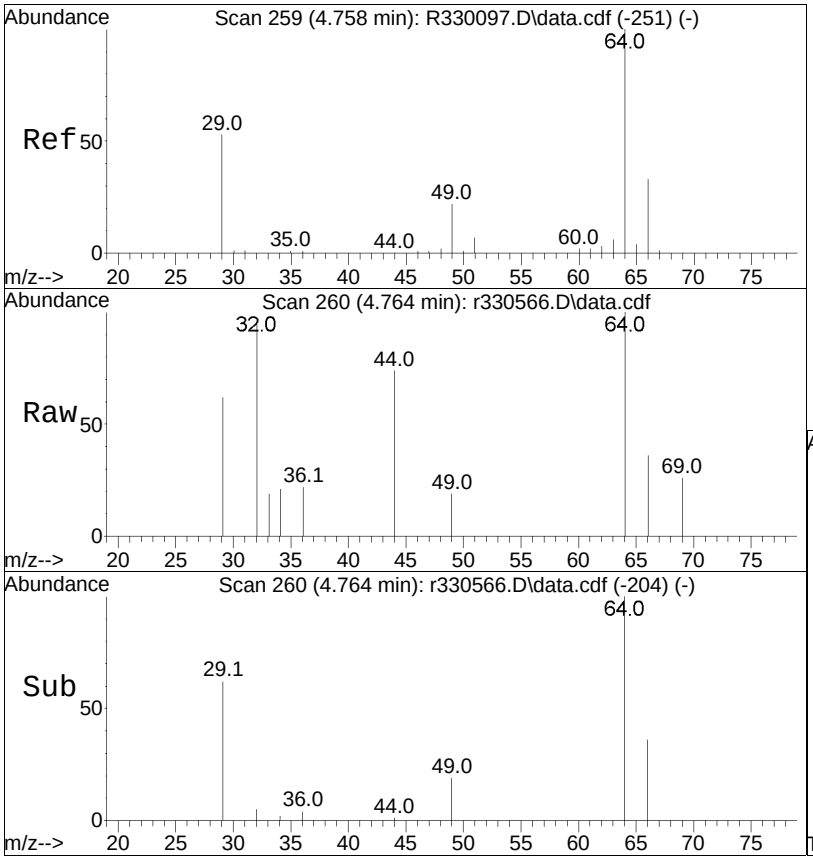


#10
1,3-butadiene
Concen: 0.08 ppbV
RT: 4.308 min Scan# 184
Delta R.T. 0.000 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion: 54 Resp: 1433

Ion	Ratio	Lower	Upper
54	100		
39	106.7	88.2	132.4

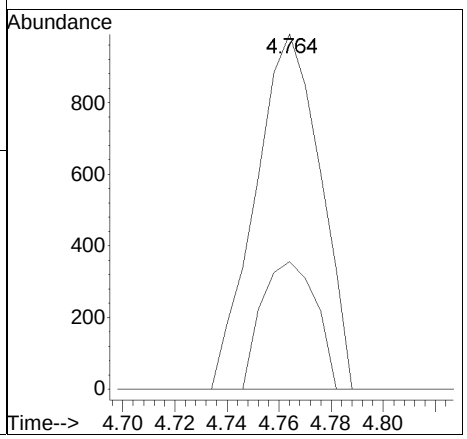


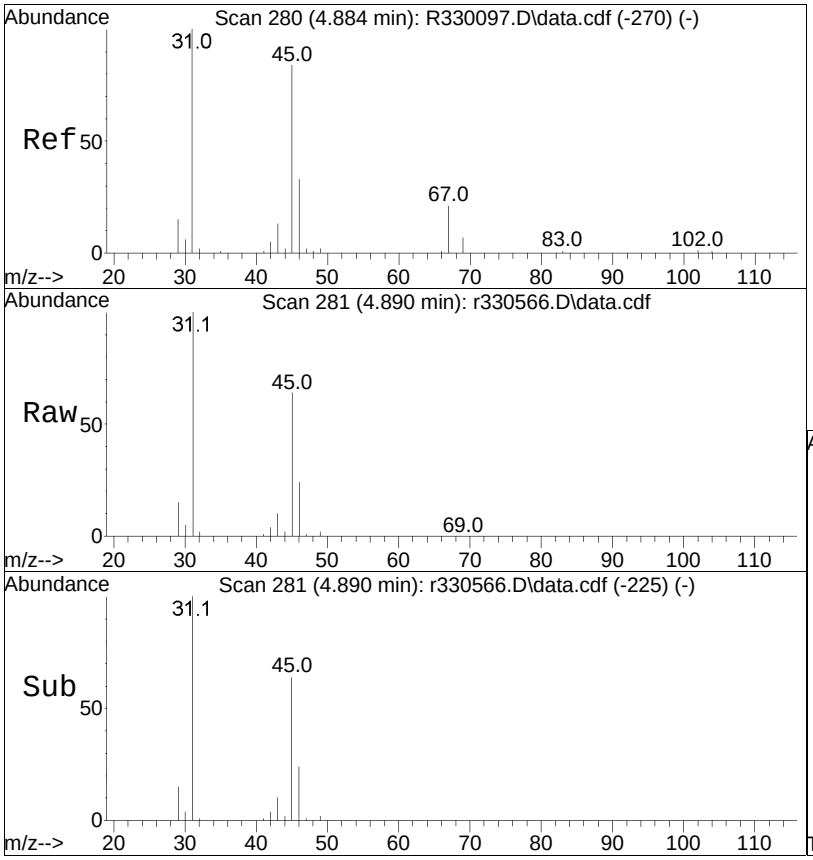


#14
chloroethane
Concen: 0.15 ppbV
RT: 4.764 min Scan# 260
Delta R.T. 0.006 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion: 64 Resp: 1717

Ion	Ratio	Lower	Upper
64	100		
66	35.9	26.2	39.2

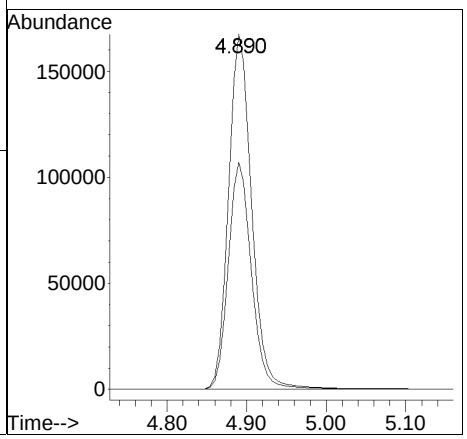


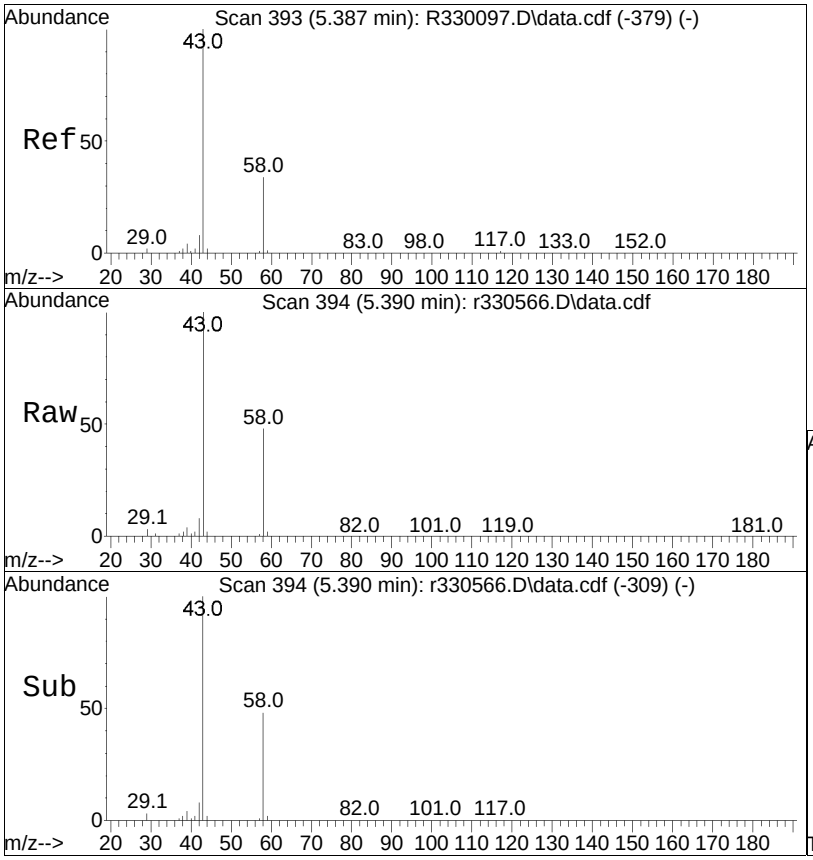


#15
ethanol
Concen: 27.96 ppbV
RT: 4.890 min Scan# 281
Delta R.T. 0.006 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion: 31 Resp: 340308

Ion	Ratio	Lower	Upper
31	100		
45	64.0	67.5	101.3#

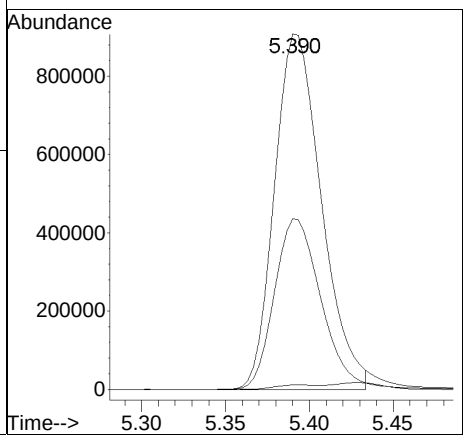


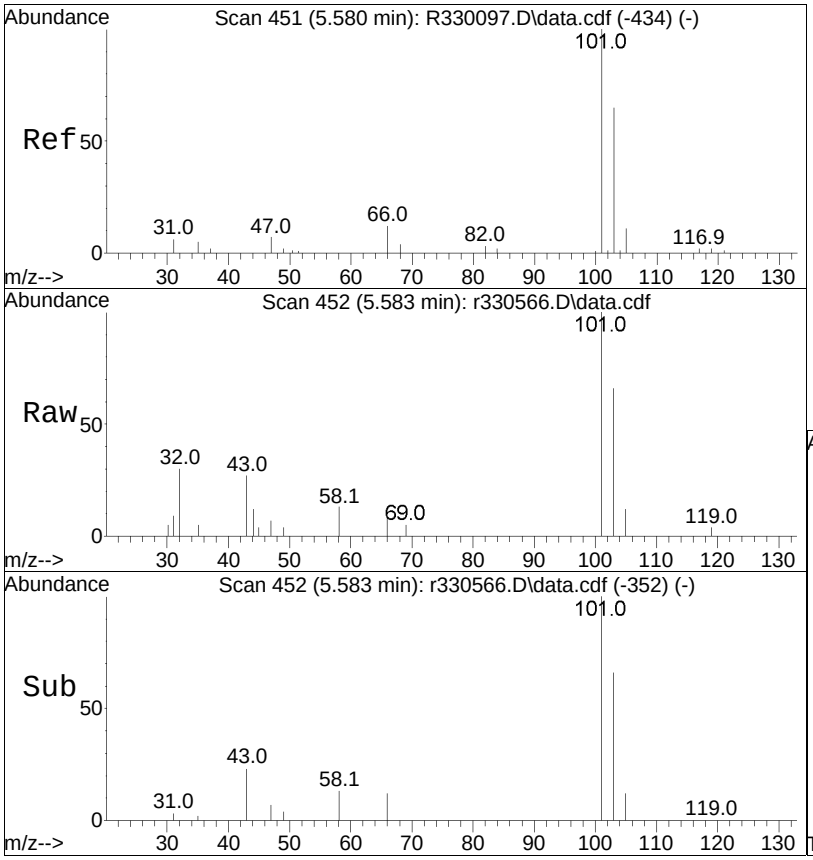


#19
acetone
Concen: 45.63 ppbV m
RT: 5.390 min Scan# 394
Delta R.T. 0.003 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion: 43 Resp: 1767082

Ion	Ratio	Lower	Upper
43	100		
58	48.0	27.3	40.9#
57	1.3	0.8	1.2#

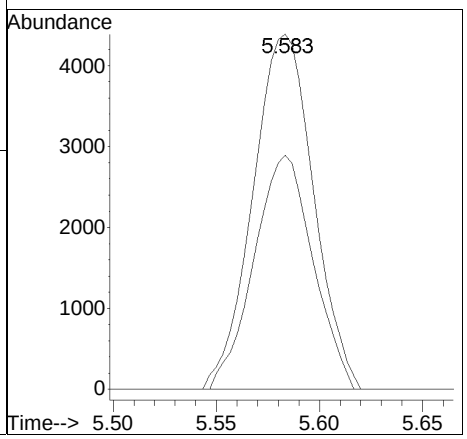


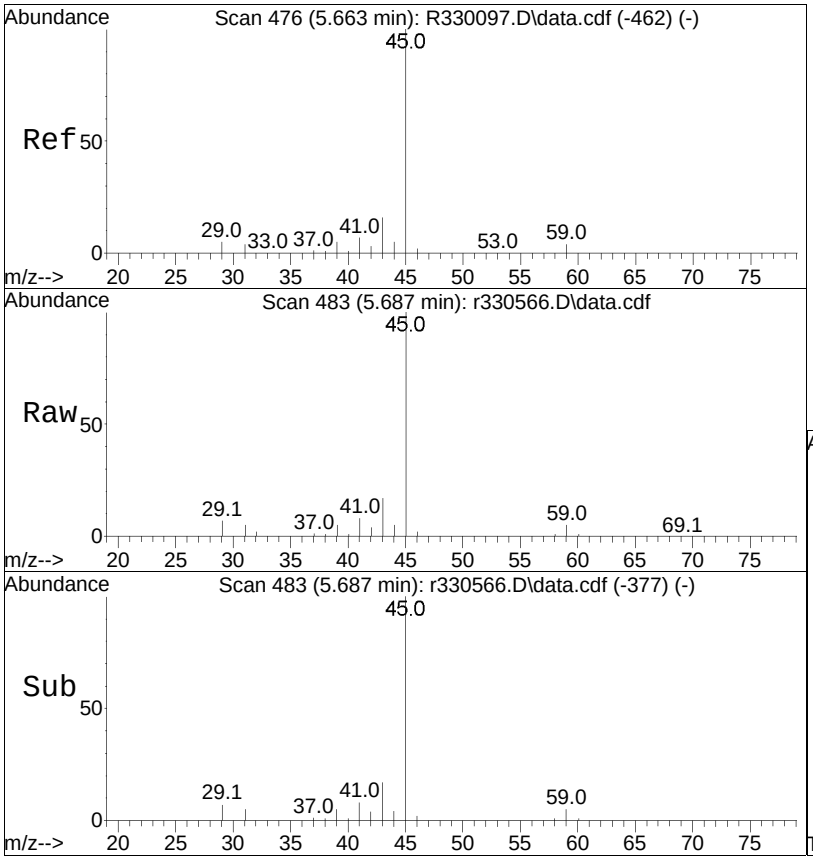


#21
trichlorofluoromethane
Concen: 0.23 ppbV
RT: 5.583 min Scan# 452
Delta R.T. 0.003 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion:101 Resp: 8987

Ion	Ratio	Lower	Upper
101	100		
103	65.9	52.0	78.0

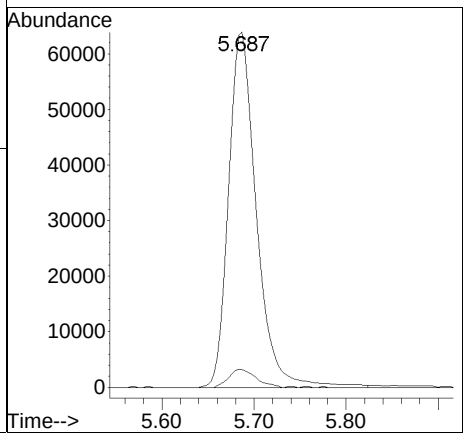


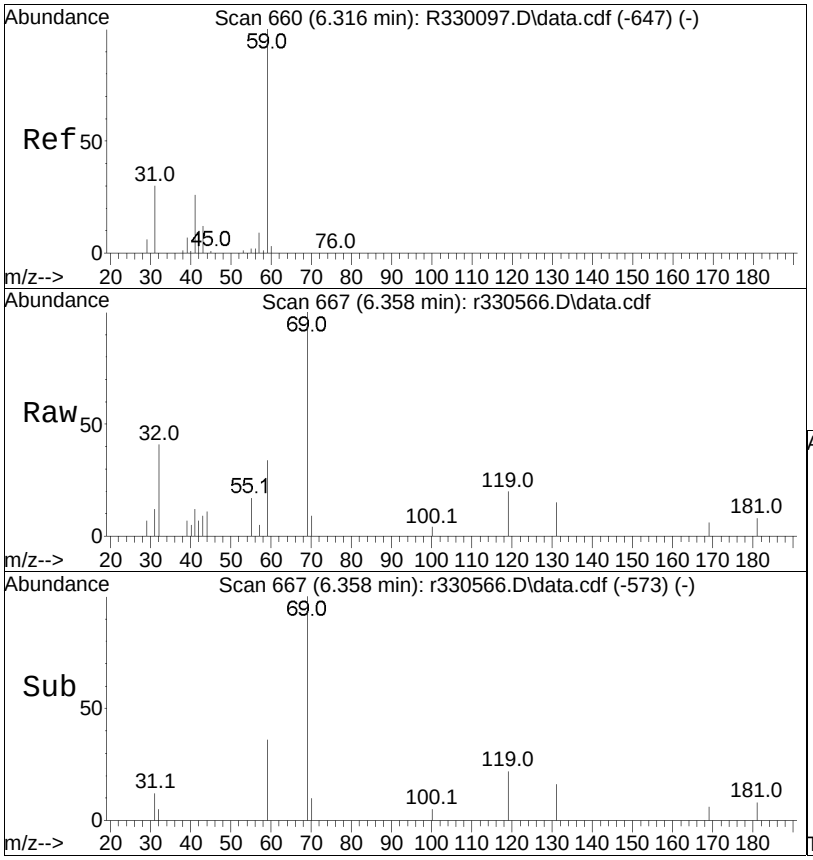


#22
isopropyl alcohol
Concen: 2.61 ppbV
RT: 5.687 min Scan# 483
Delta R.T. 0.024 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion: 45 Resp: 134520

Ion	Ratio	Lower	Upper
45	100		
59	5.0	3.0	4.4#

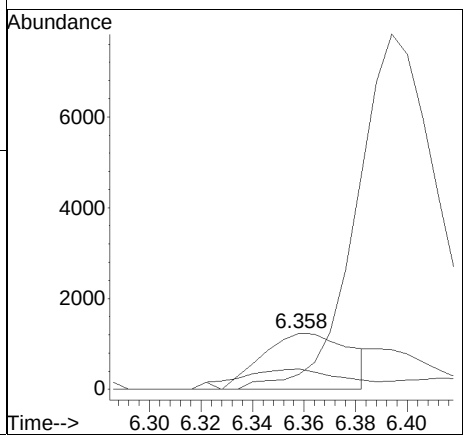


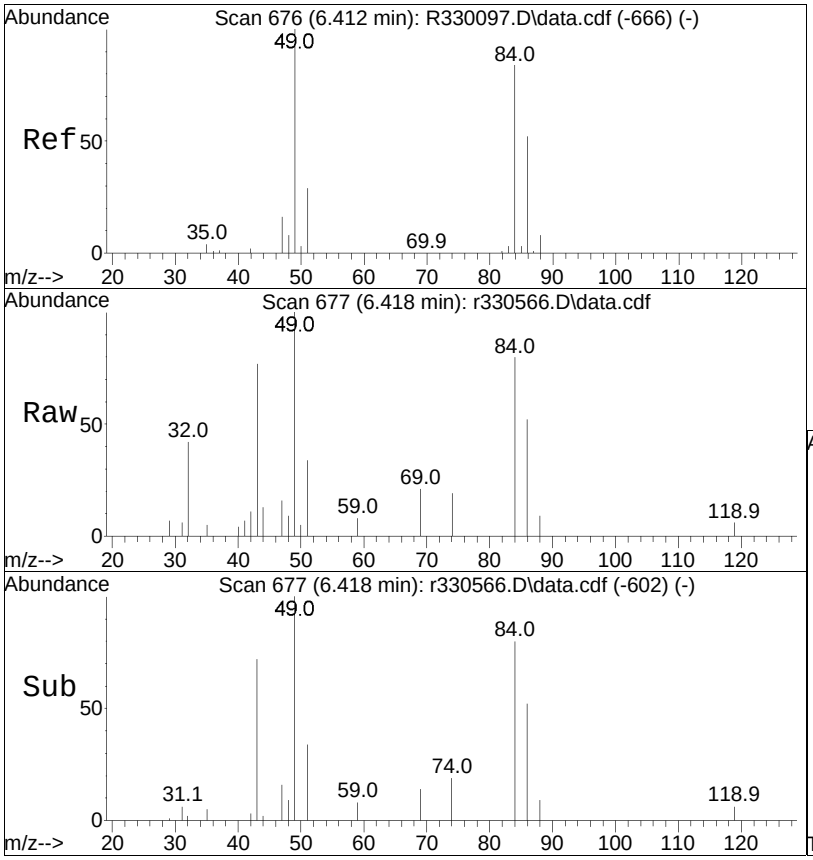


#27
tertiary butyl alcohol
Concen: 0.06 ppbV m
RT: 6.358 min Scan# 667
Delta R.T. 0.042 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion: 59 Resp: 2939

Ion	Ratio	Lower	Upper
59	100		
41	36.3	20.4	30.6#
43	27.0	9.4	14.0#

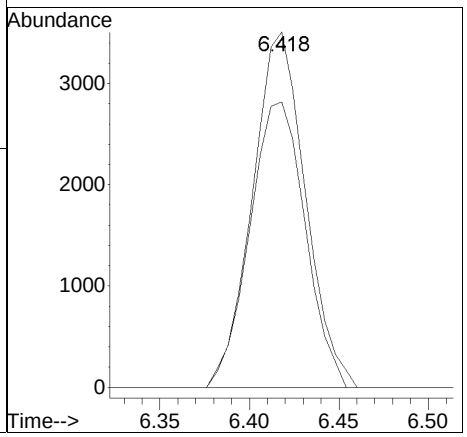


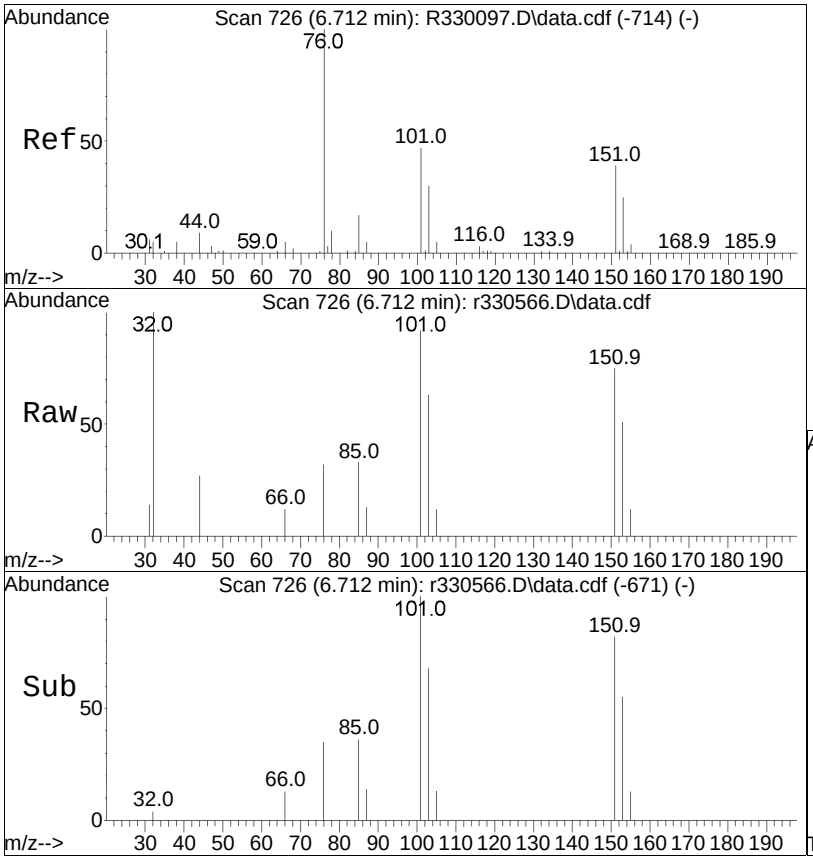


#28
methylene chloride
Concen: 0.25 ppbV
RT: 6.418 min Scan# 677
Delta R.T. 0.006 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion: 49 Resp: 7217

Ion	Ratio	Lower	Upper
49	100		
84	80.3	67.0	100.4

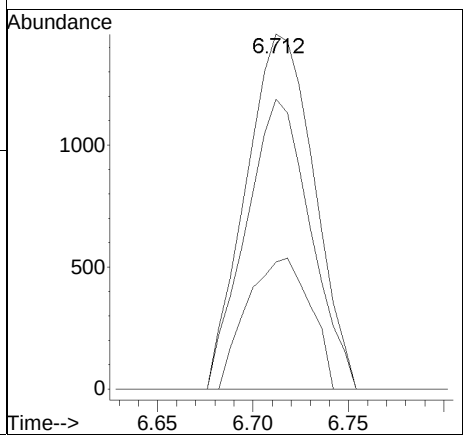


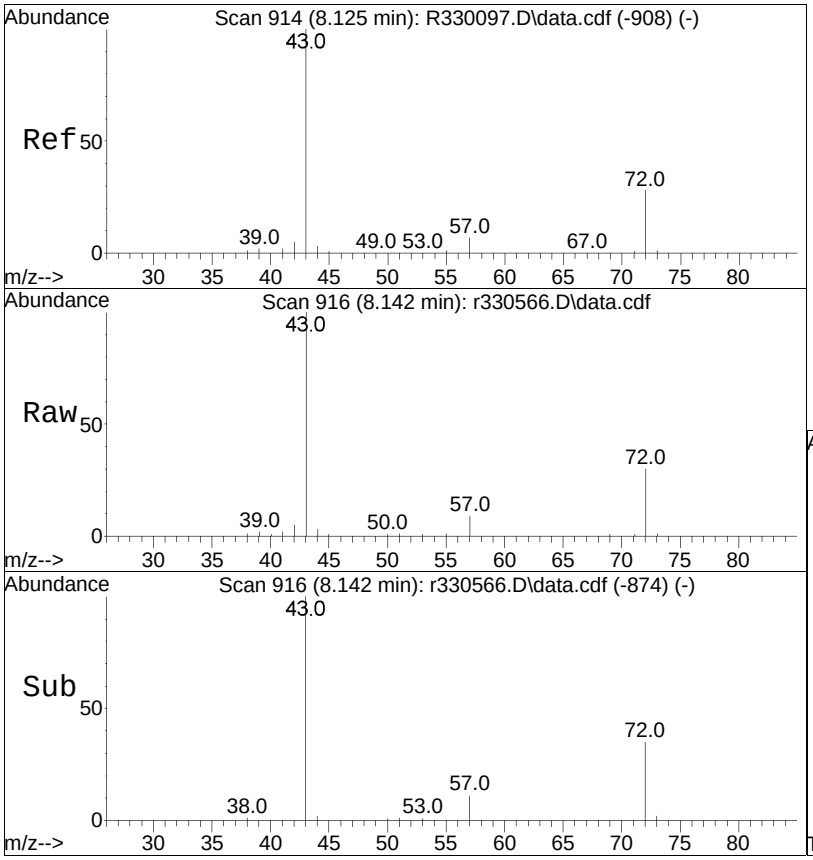


#31
Freon 113
Concen: 0.08 ppbV
RT: 6.712 min Scan# 726
Delta R.T. 0.000 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion:101 Resp: 3613

Ion	Ratio	Lower	Upper
101	100		
85	35.8	28.5	42.7
151	81.7	66.9	100.3

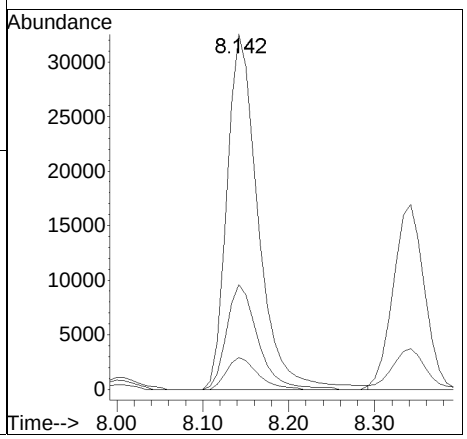


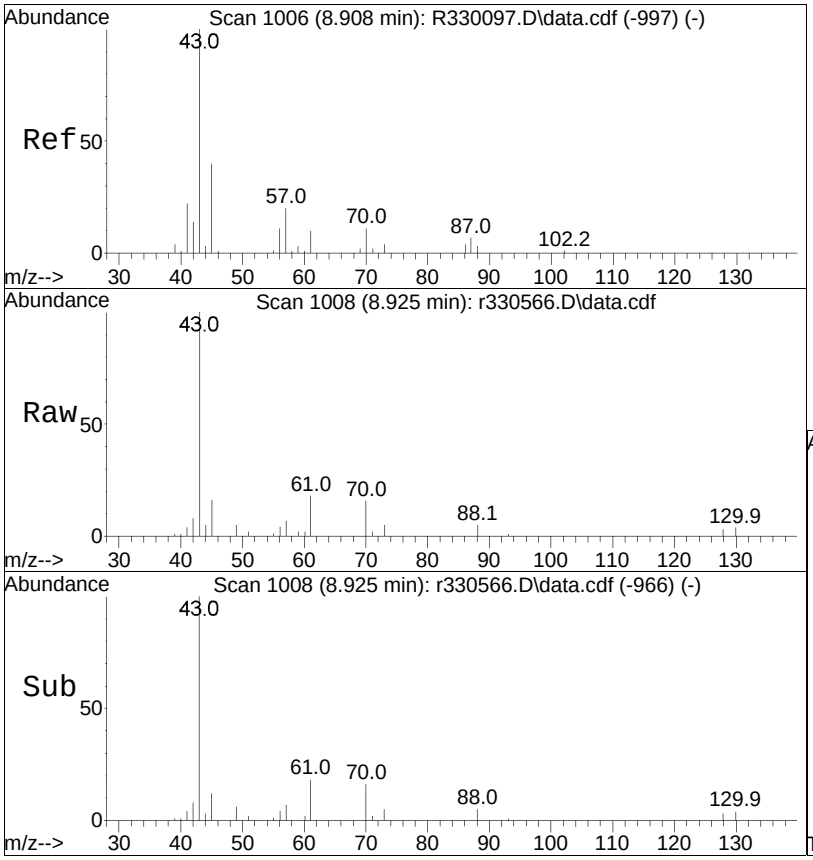


#36
2-butanone
Concen: 1.24 ppbV
RT: 8.142 min Scan# 916
Delta R.T. 0.017 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion: 43 Resp: 82418

Ion	Ratio	Lower	Upper
43	100		
72	29.5	22.1	33.1
57	9.0	5.3	7.9#

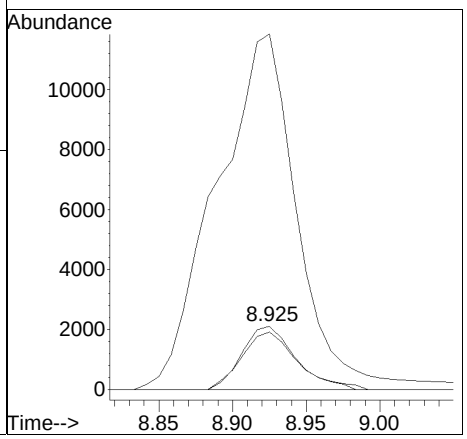


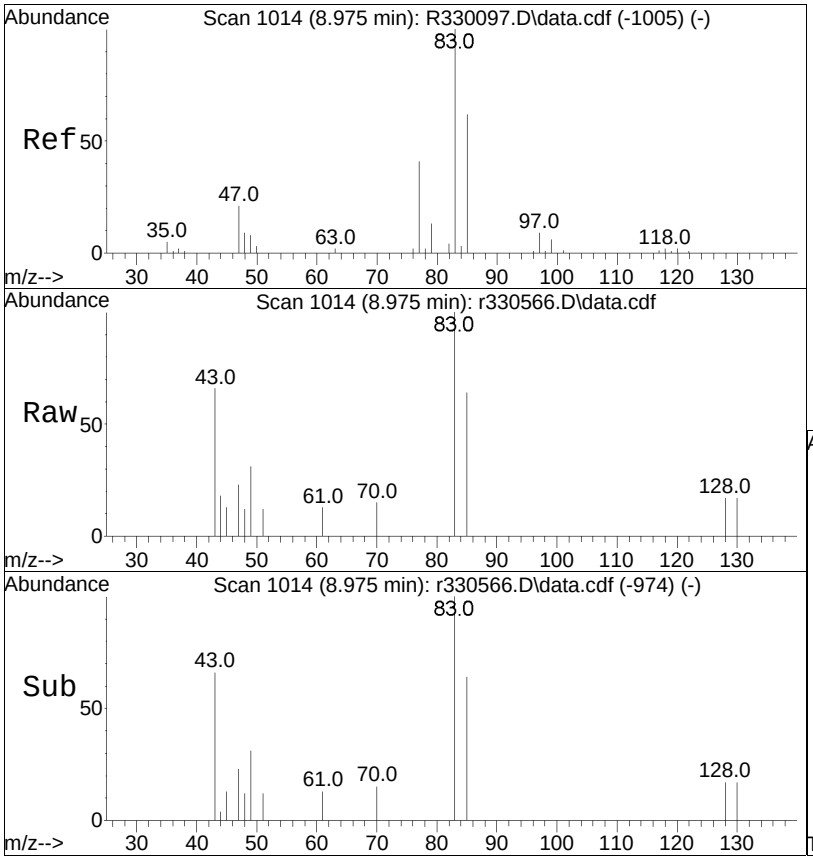


#38
Ethyl Acetate
Concen: 0.54 ppbV
RT: 8.925 min Scan# 1008
Delta R.T. 0.017 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion: 61 Resp: 5320

Ion	Ratio	Lower	Upper
61	100		
70	90.9	87.4	131.0
43	562.6	771.8	1157.6#

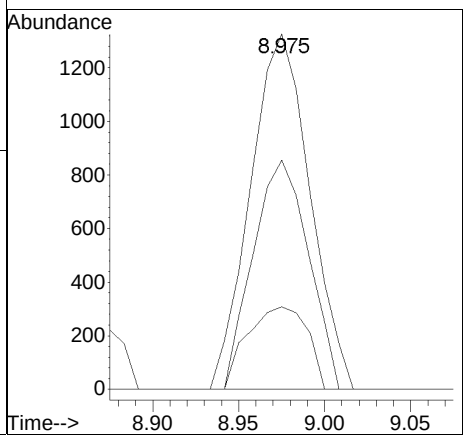


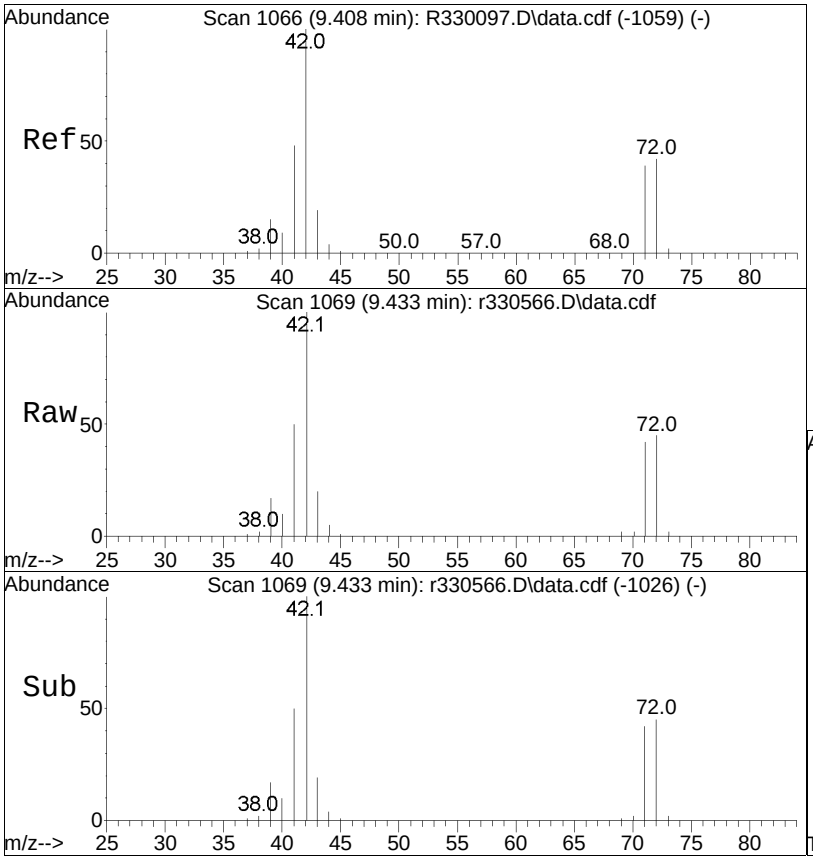


#39
chloroform
Concen: 0.07 ppbV
RT: 8.975 min Scan# 1014
Delta R.T. 0.000 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion: 83 Resp: 3190

Ion	Ratio	Lower	Upper
83	100		
85	64.5	49.8	74.8
47	23.2	16.8	25.2

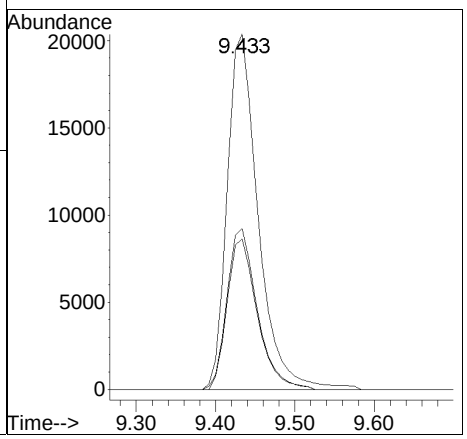


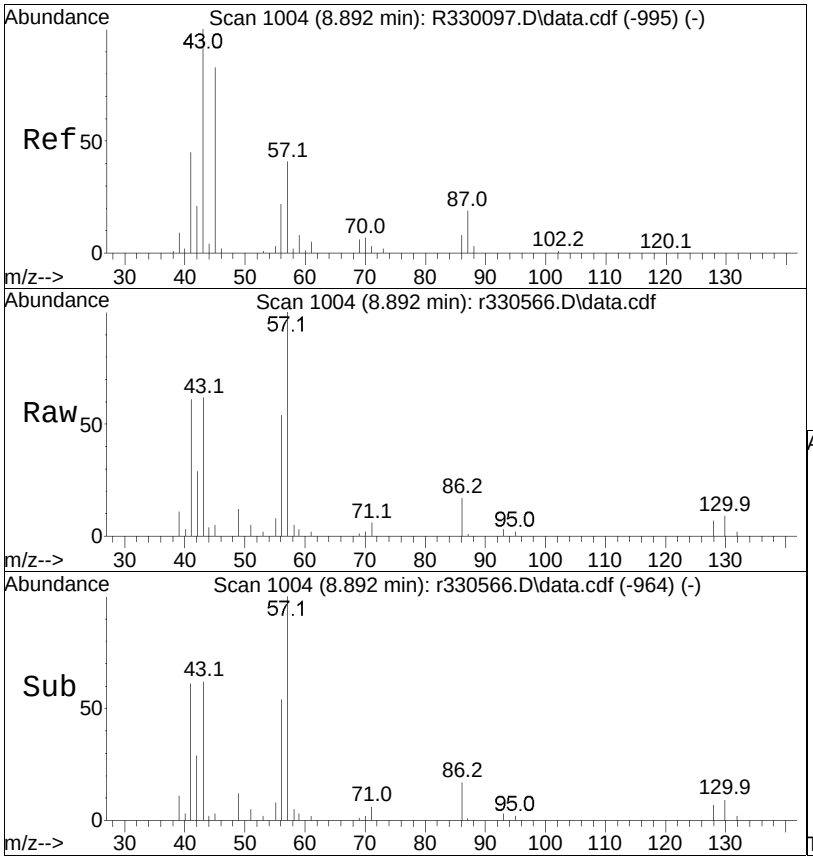


#40
Tetrahydrofuran
Concen: 1.30 ppbV
RT: 9.433 min Scan# 1069
Delta R.T. 0.025 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion: 42 Resp: 55401

Ion	Ratio	Lower	Upper
42	100		
71	42.4	31.0	46.4
72	45.4	33.4	50.2

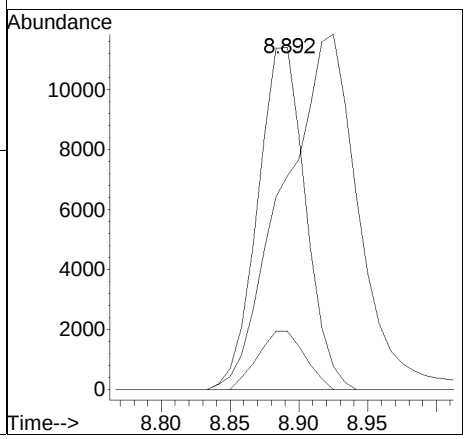


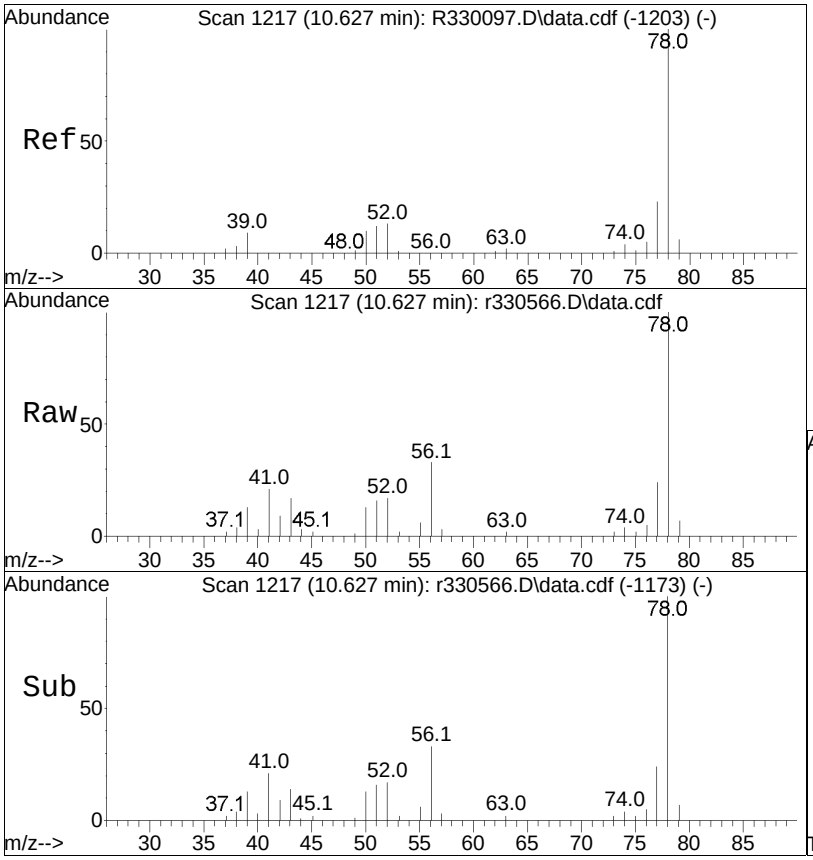


#44
hexane
Concen: 0.64 ppbV
RT: 8.892 min Scan# 1004
Delta R.T. 0.000 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion: 57 Resp: 27651

Ion	Ratio	Lower	Upper
57	100		
43	62.5	196.5	294.7#
86	17.0	15.8	23.6

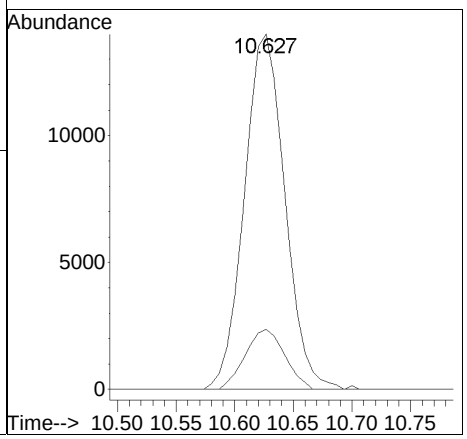


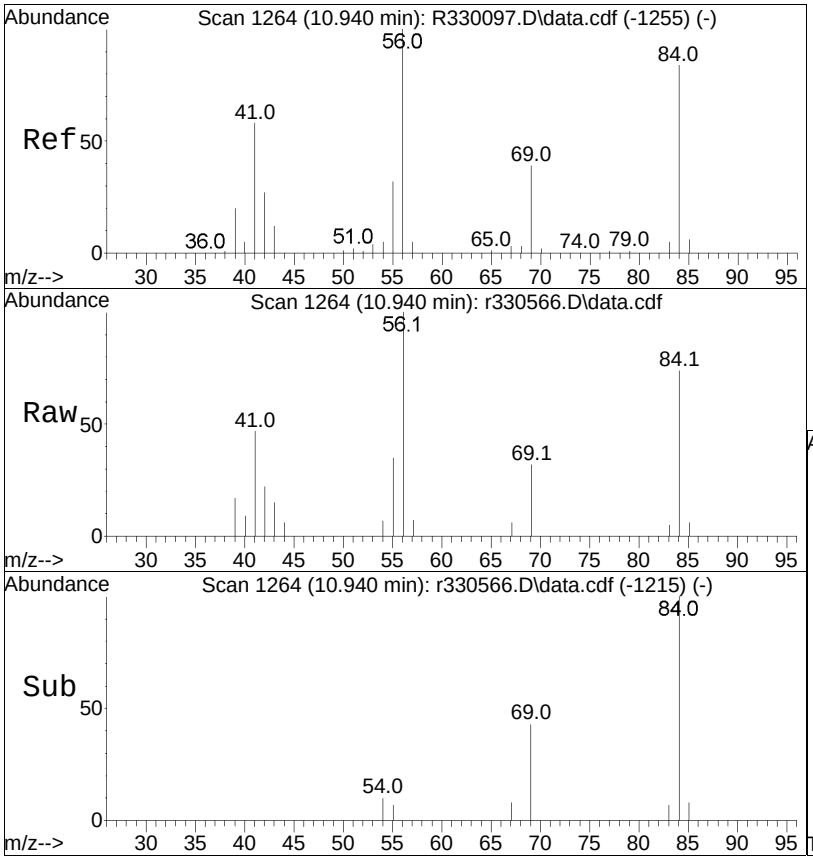


#50
benzene
Concen: 0.35 ppbV
RT: 10.627 min Scan# 1217
Delta R.T. 0.000 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion: 78 Resp: 33742

Ion	Ratio	Lower	Upper
78	100		
52	16.9	10.4	15.6#

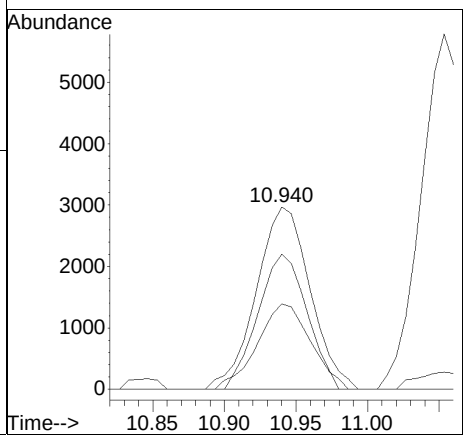


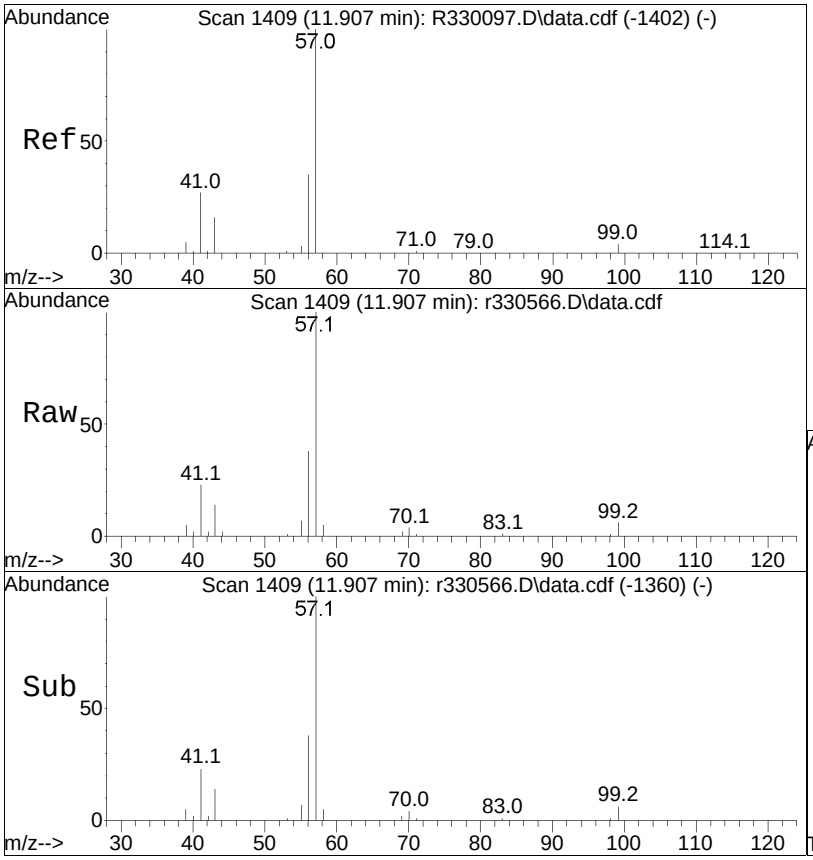


#53
cyclohexane
Concen: 0.17 ppbV
RT: 10.940 min Scan# 1264
Delta R.T. 0.000 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion: 56 Resp: 7777

Ion	Ratio	Lower	Upper
56	100		
84	74.1	67.4	101.2
41	46.9	46.4	69.6

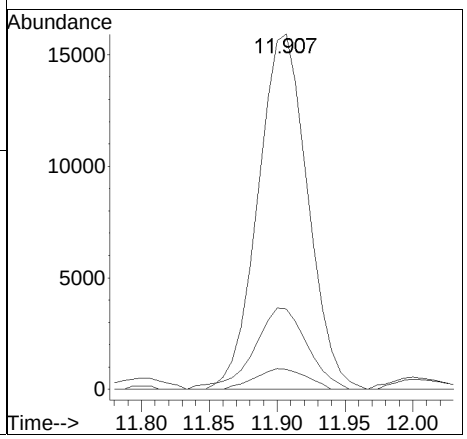


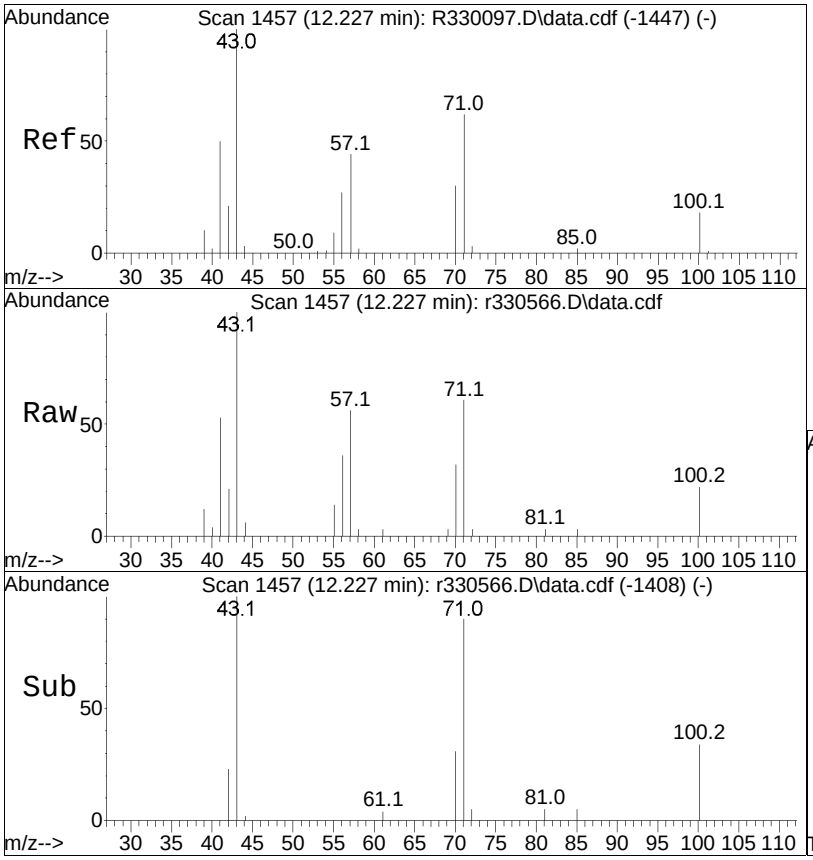


#60
2,2,4-trimethylpentane
Concen: 0.29 ppbV
RT: 11.907 min Scan# 1409
Delta R.T. 0.000 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion: 57 Resp: 40515

Ion	Ratio	Lower	Upper
57	100		
99	5.6	5.3	7.9
41	22.6	21.4	32.0

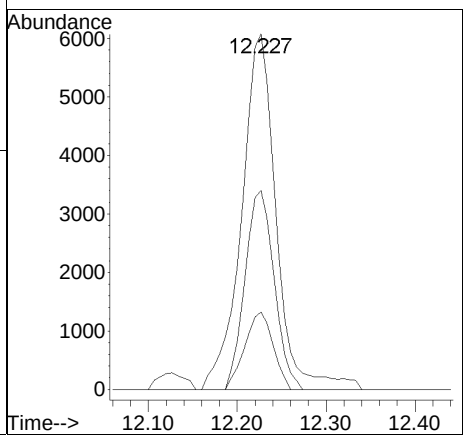


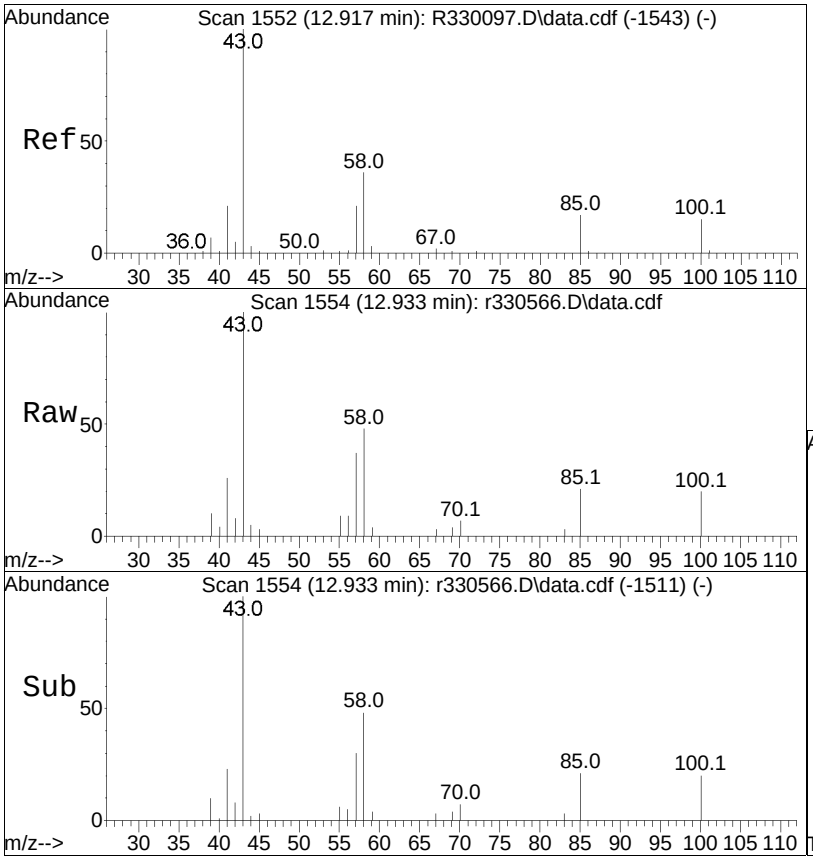


#62
heptane
Concen: 0.26 ppbV
RT: 12.227 min Scan# 1457
Delta R.T. 0.000 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion: 43 Resp: 16451

Ion	Ratio	Lower	Upper
43	100		
57	56.0	34.9	52.3#
100	21.8	14.9	22.3

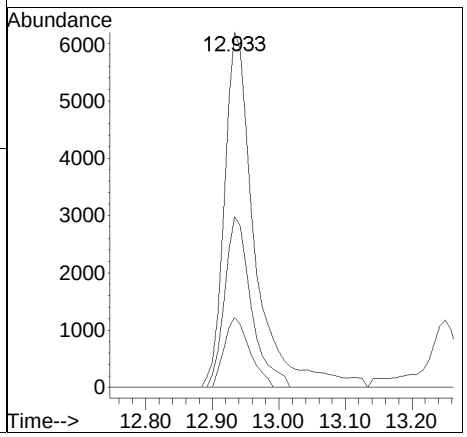


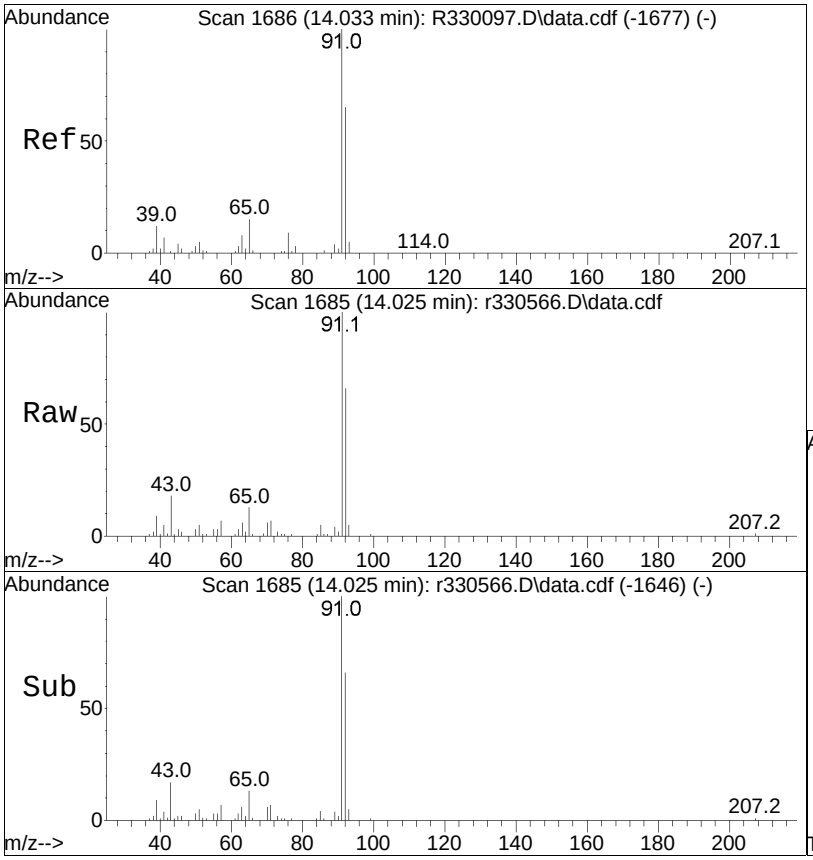


#64
4-methyl-2-pentanone
Concen: 0.27 ppbV
RT: 12.933 min Scan# 1554
Delta R.T. 0.017 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion: 43 Resp: 19747

Ion	Ratio	Lower	Upper
43	100		
58	48.0	29.1	43.7#
100	19.8	12.2	18.4#

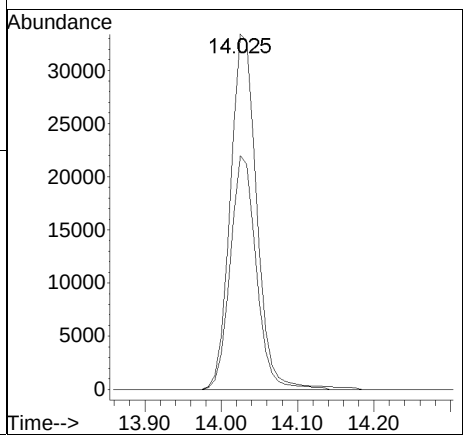


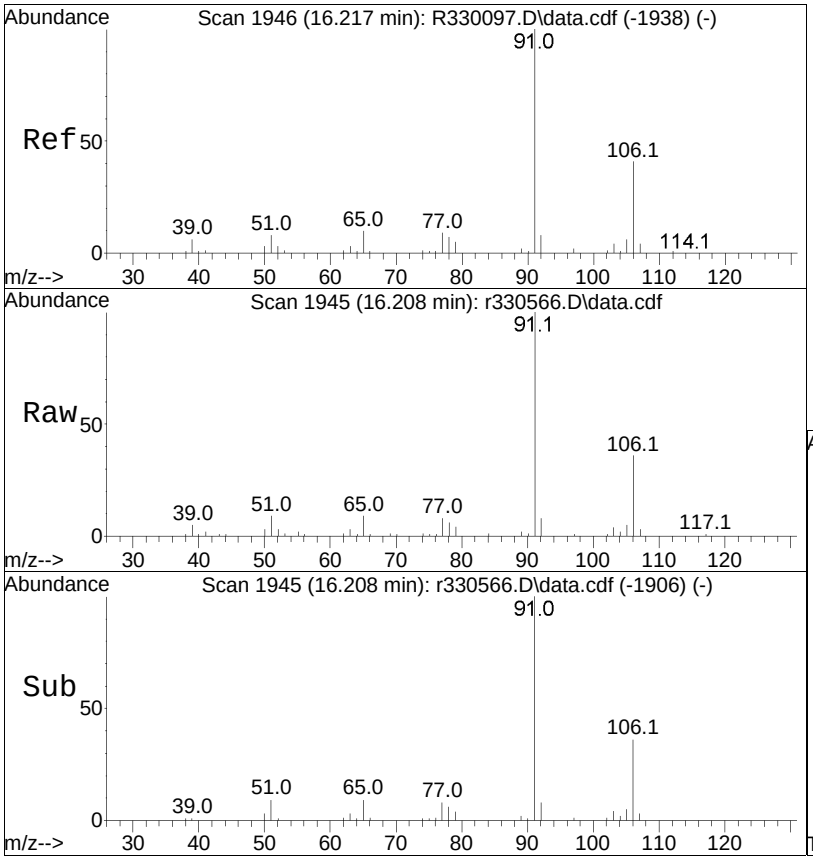


#68
toluene
Concen: 0.67 ppbV
RT: 14.025 min Scan# 1685
Delta R.T. -0.008 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion: 91 Resp: 80354

Ion	Ratio	Lower	Upper
91	100		
92	65.8	52.1	78.1

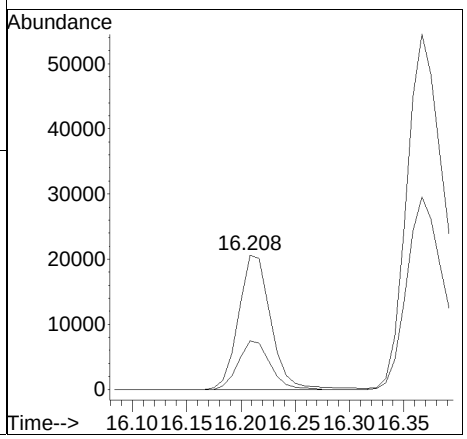


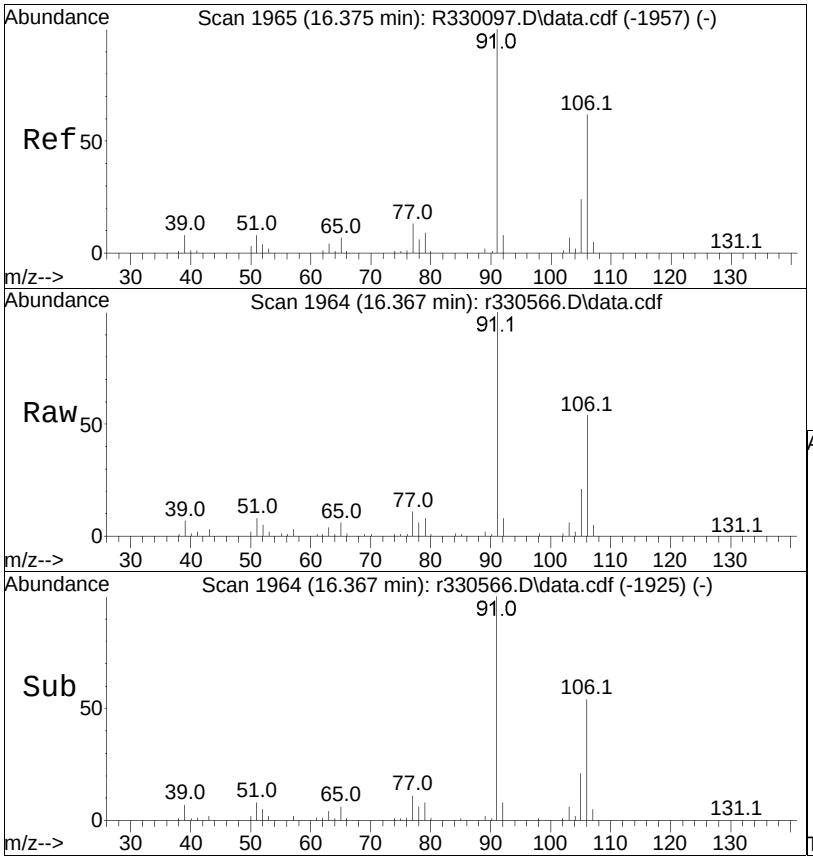


#81
ethylbenzene
Concen: 0.28 ppbV
RT: 16.208 min Scan# 1945
Delta R.T. -0.009 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion: 91 Resp: 42785

Ion	Ratio	Lower	Upper
91	100		
106	36.2	32.6	49.0

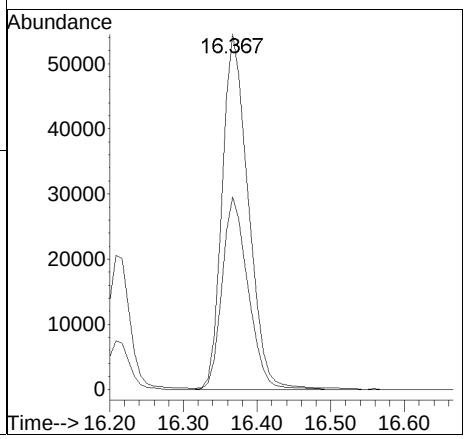


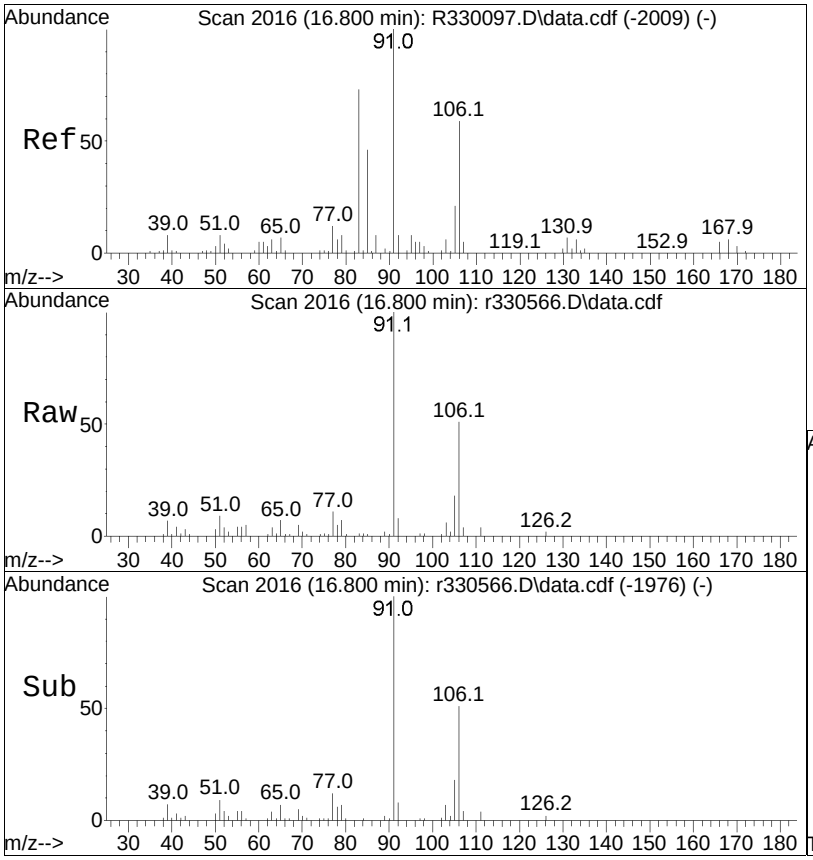


#83
m+p-xylene
Concen: 1.10 ppbV
RT: 16.367 min Scan# 1964
Delta R.T. -0.008 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion: 91 Resp: 134467

Ion	Ratio	Lower	Upper
91	100		
106	54.2	49.2	73.8

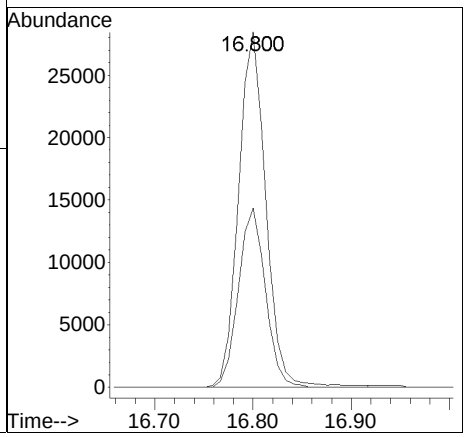


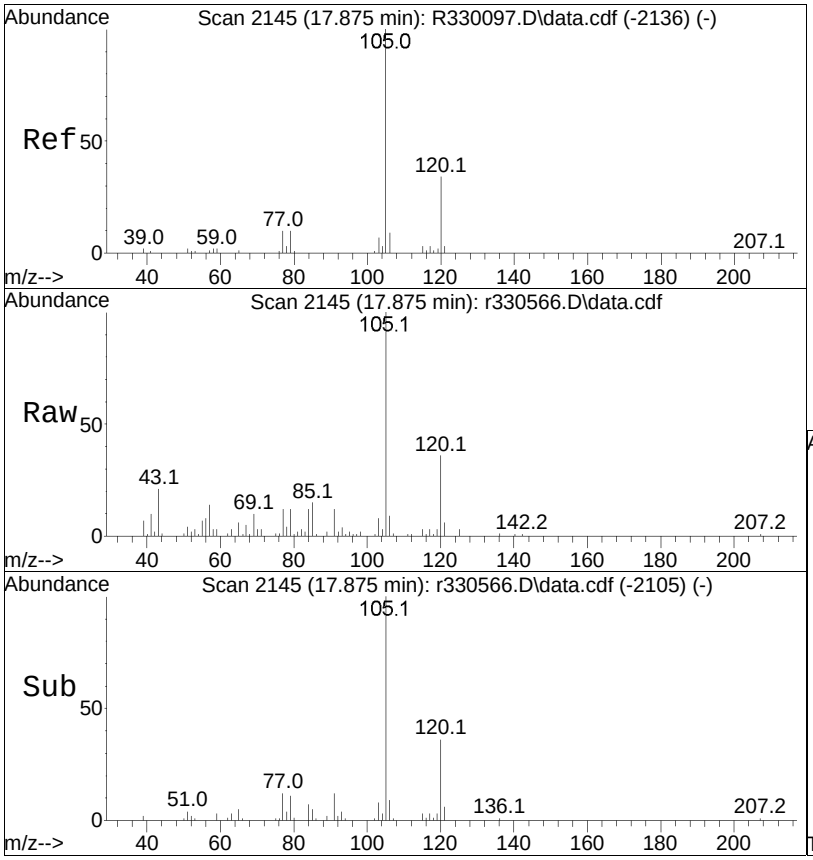


#87
o-xylene
Concen: 0.46 ppbV
RT: 16.800 min Scan# 2016
Delta R.T. 0.000 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion: 91 Resp: 54915

Ion	Ratio	Lower	Upper
91	100		
106	50.5	47.5	71.3

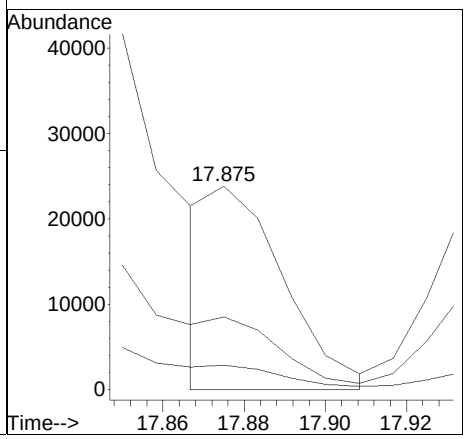


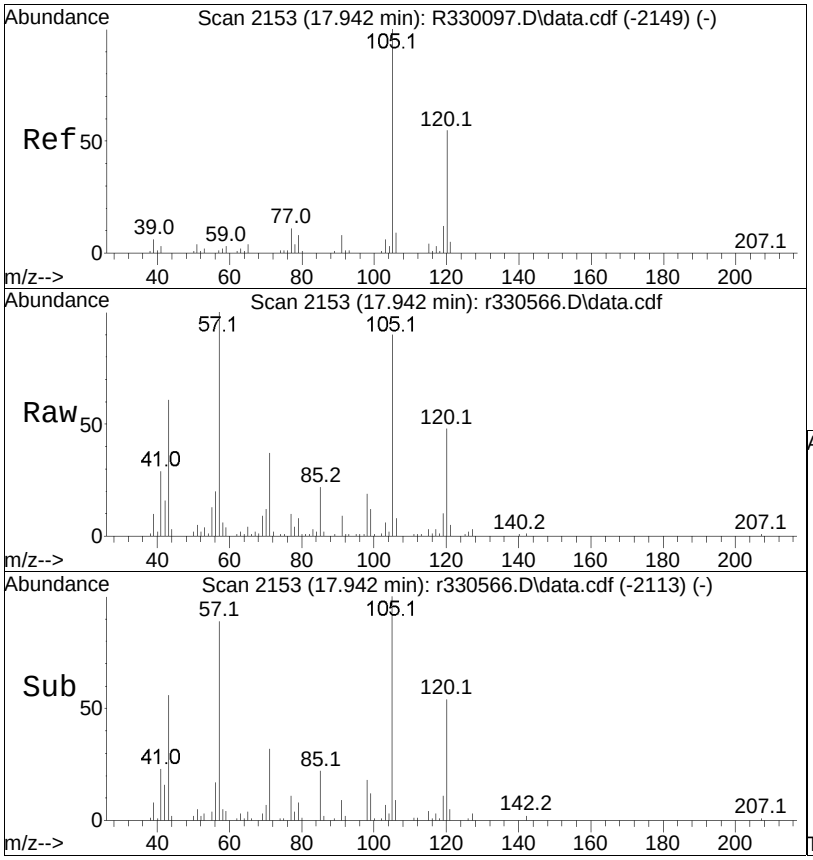


#96
4-ethyl toluene
Concen: 0.17 ppbV m
RT: 17.875 min Scan# 2145
Delta R.T. 0.000 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion:105 Resp: 30249

Ion	Ratio	Lower	Upper
105	100		
120	35.7	27.2	40.8
91	11.9	7.1	10.7#

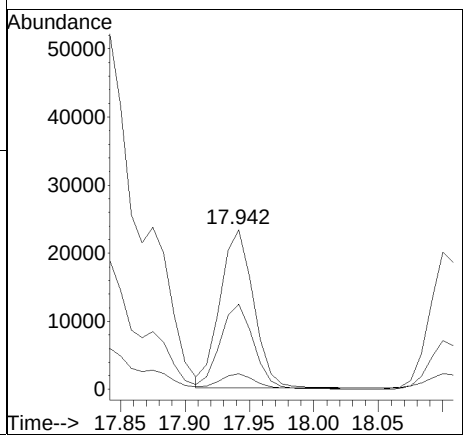


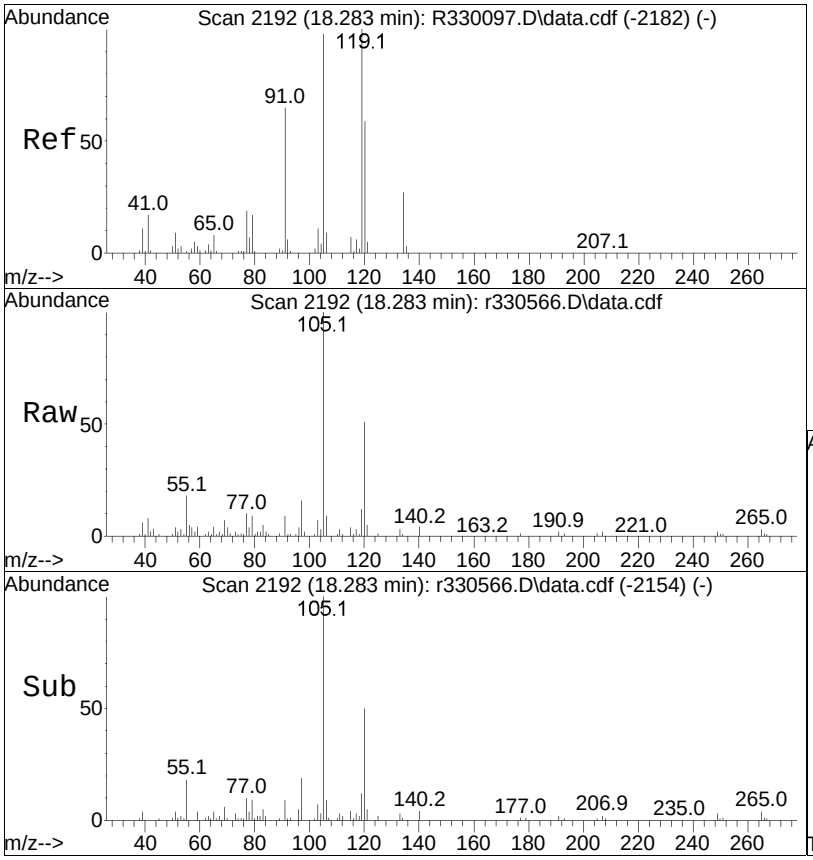


#97
1,3,5-trimethylbenzene
Concen: 0.27 ppbV
RT: 17.942 min Scan# 2153
Delta R.T. 0.000 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion:105 Resp: 42150

Ion	Ratio	Lower	Upper
105	100		
120	53.5	43.1	64.7
91	9.9	6.8	10.2

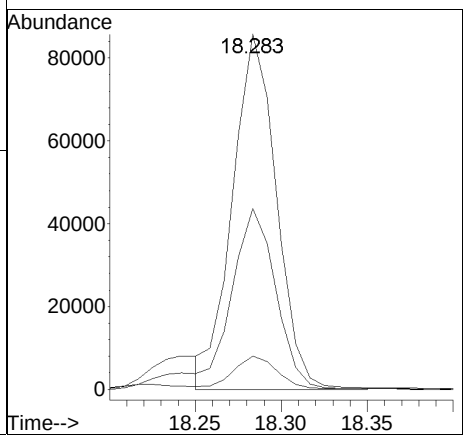


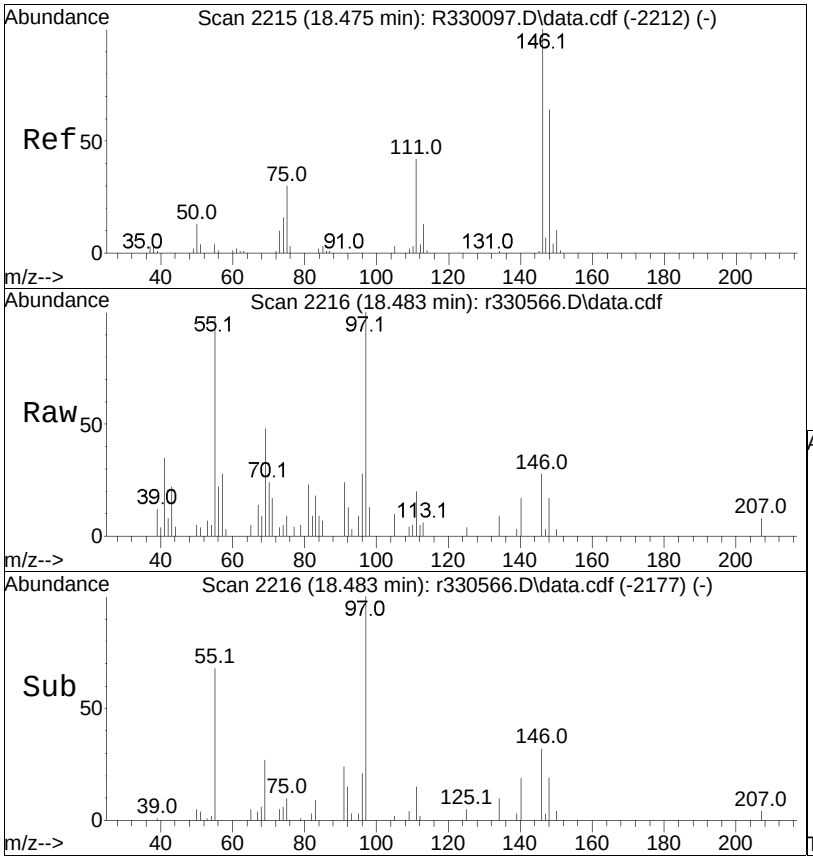


#99
1,2,4-trimethylbenzene
Concen: 1.02 ppbV m
RT: 18.283 min Scan# 2192
Delta R.T. 0.000 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion:105 Resp: 152698

Ion	Ratio	Lower	Upper
105	100		
120	50.9	47.8	71.8
91	9.4	53.4	80.0#

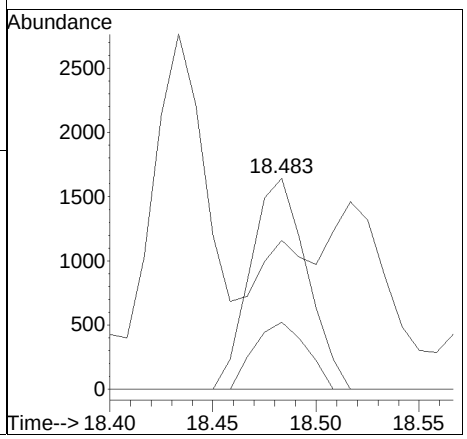


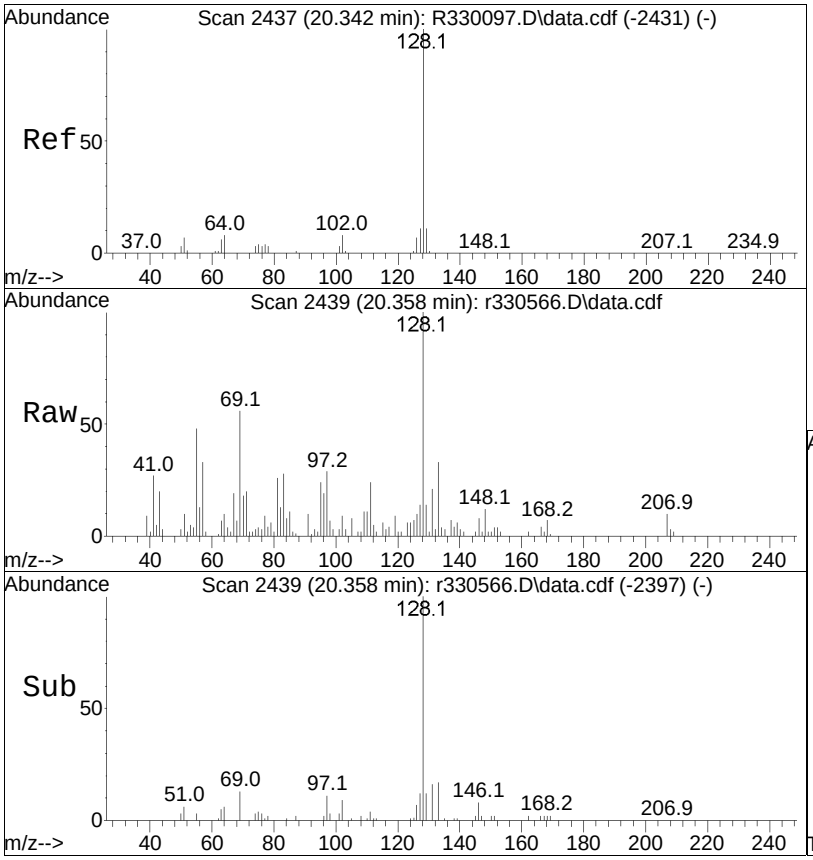


#103
1,4-dichlorobenzene
Concen: 0.03 ppbV
RT: 18.483 min Scan# 2216
Delta R.T. 0.008 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion:146 Resp: 3137

Ion	Ratio	Lower	Upper
146	100		
111	70.6	33.4	50.0#
75	31.9	23.6	35.4

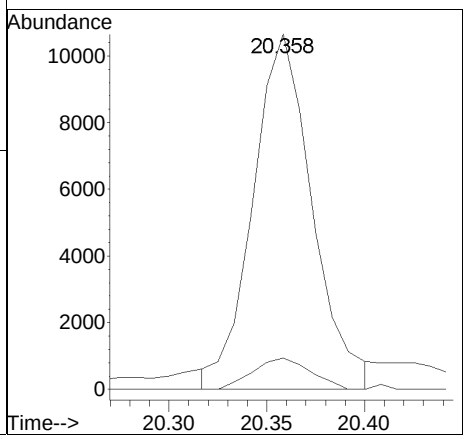




#116
naphthalene
Concen: 0.12 ppbV m
RT: 20.358 min Scan# 2439
Delta R.T. 0.017 min
Lab File: r330566.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion:128 Resp: 22467

Ion	Ratio	Lower	Upper
128	100		
102	8.8	6.3	9.5

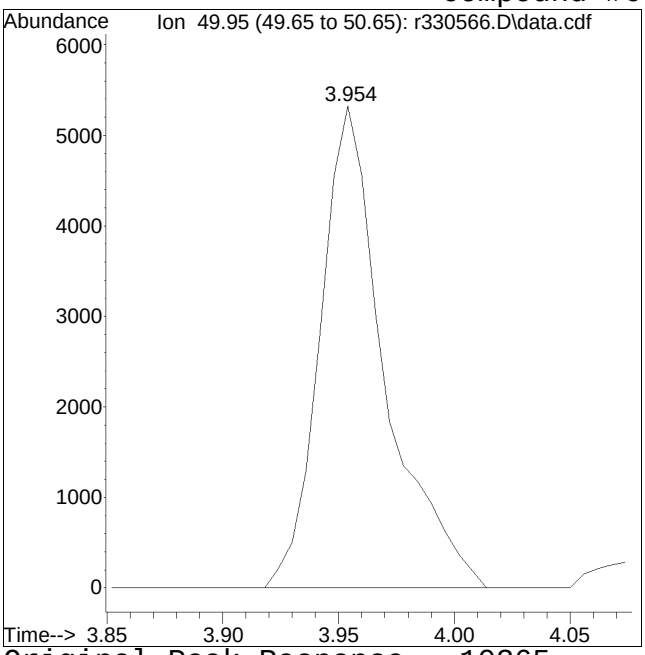


Manual Integration Report

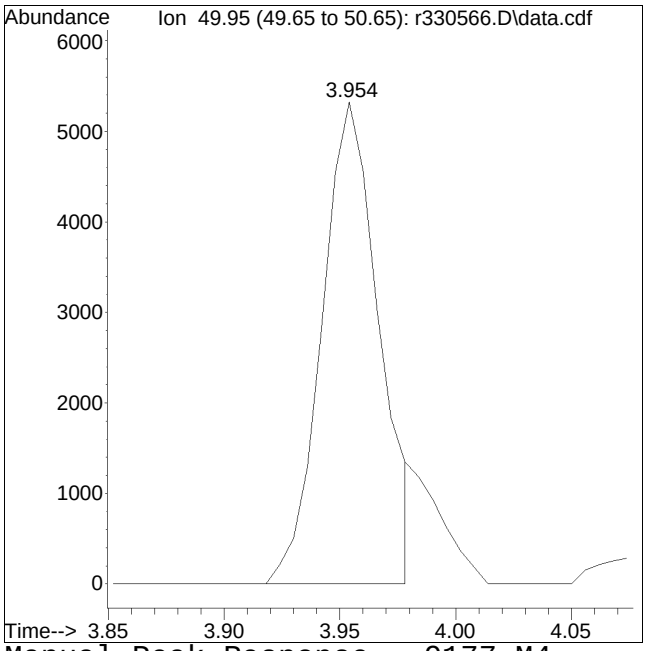
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330566.D
Date Inj'd : 4/23/2020 0:7: 8
Sample : L2419731-08,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:09 am

Compound #6: chloromethane



Original Peak Response = 10365



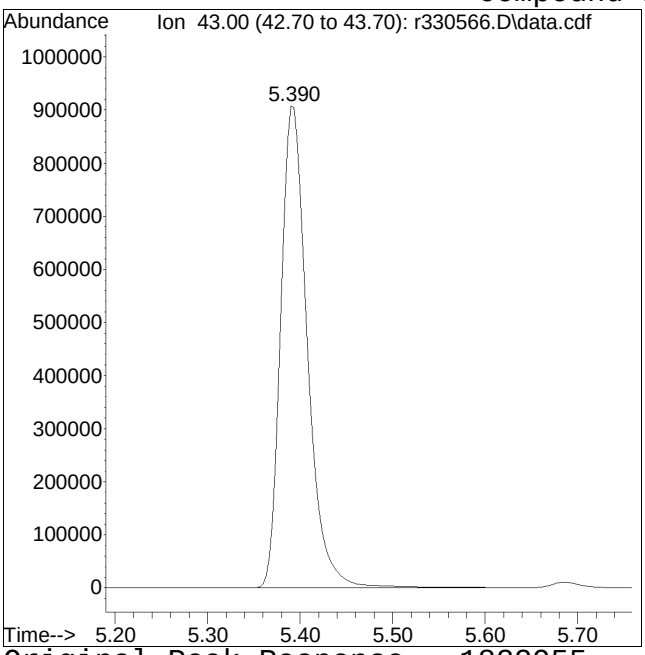
Manual Peak Response = 9177 M4

M4 = Poor automated baseline construction.

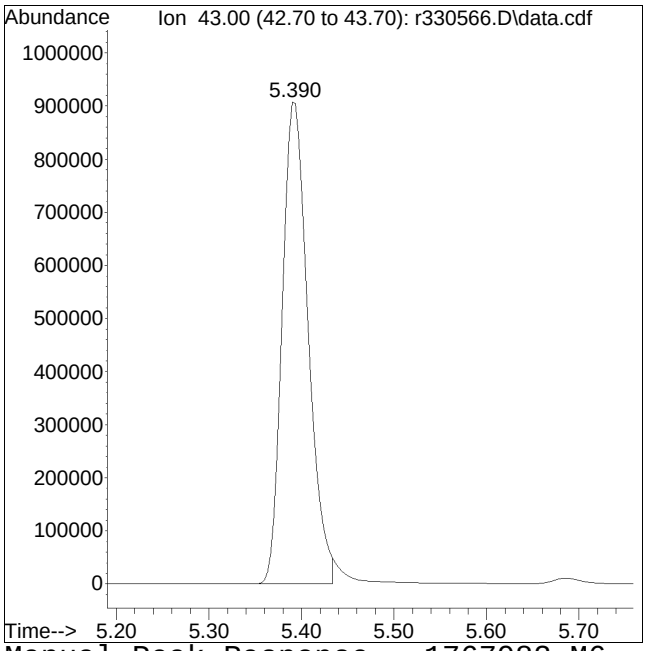
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : r330566.D Operator : AIRPIANO3:JMB
Date Inj'd : 4/23/2020 0:7: 8 Instrument :
Sample : L2419731-08,3,250,250 Quant Date : 4/24/2024 7:09 am

Compound #19: acetone



Original Peak Response = 1822955



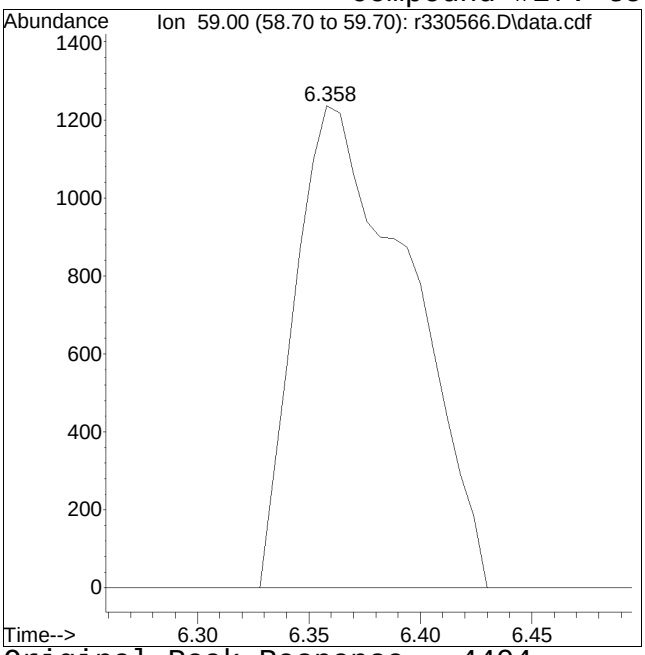
Manual Peak Response = 1767082 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

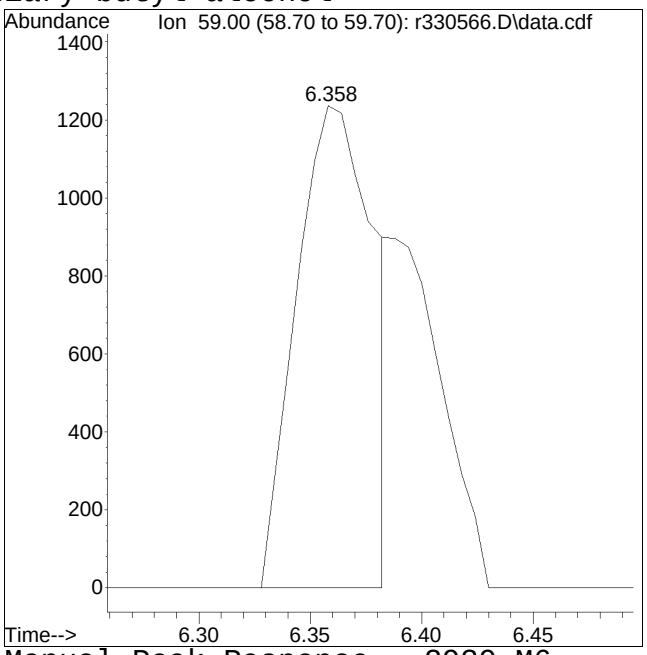
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : r330566.D Operator : AIRPIANO3:JMB
Date Inj'd : 4/23/2020 0:7: 8 Instrument :
Sample : L2419731-08,3,250,250 Quant Date : 4/24/2024 7:09 am

Compound #27: tertiary butyl alcohol



Original Peak Response = 4404



Manual Peak Response = 2939 M6

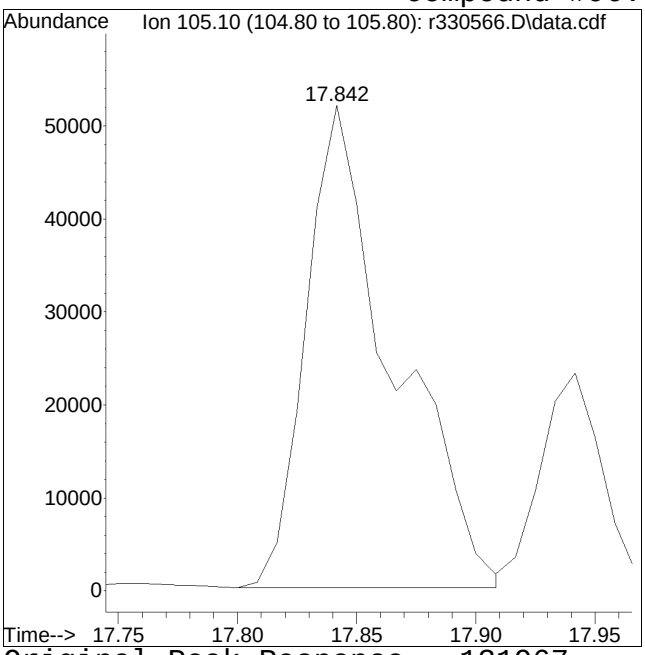
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

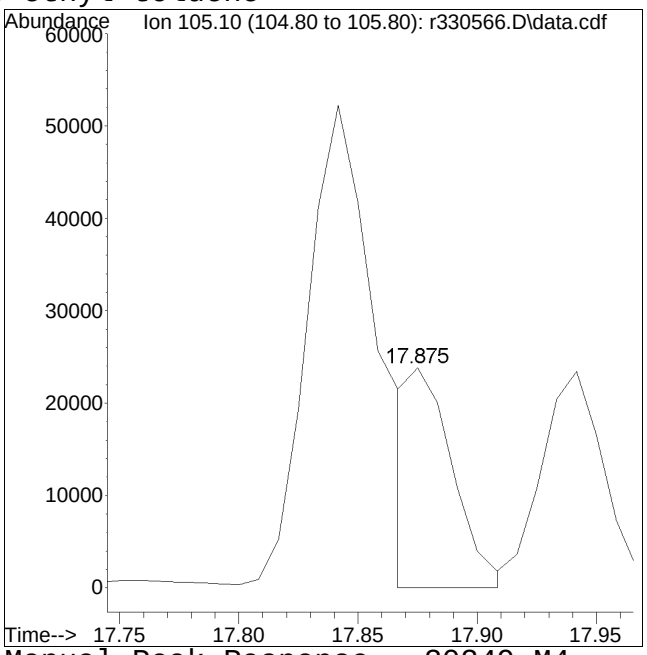
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330566.D
Date Inj'd : 4/23/2020 0:7: 8
Sample : L2419731-08,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:09 am

Compound #96: 4-ethyl toluene



Original Peak Response = 131967



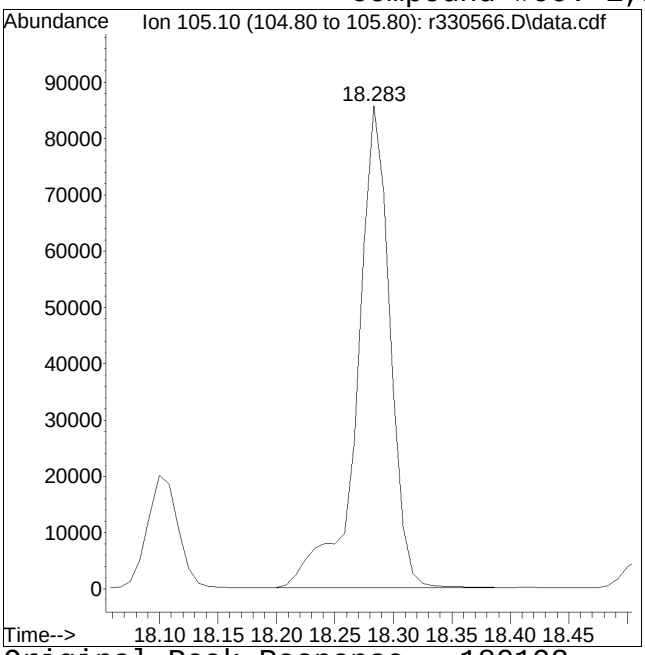
Manual Peak Response = 30249 M4

M4 = Poor automated baseline construction.

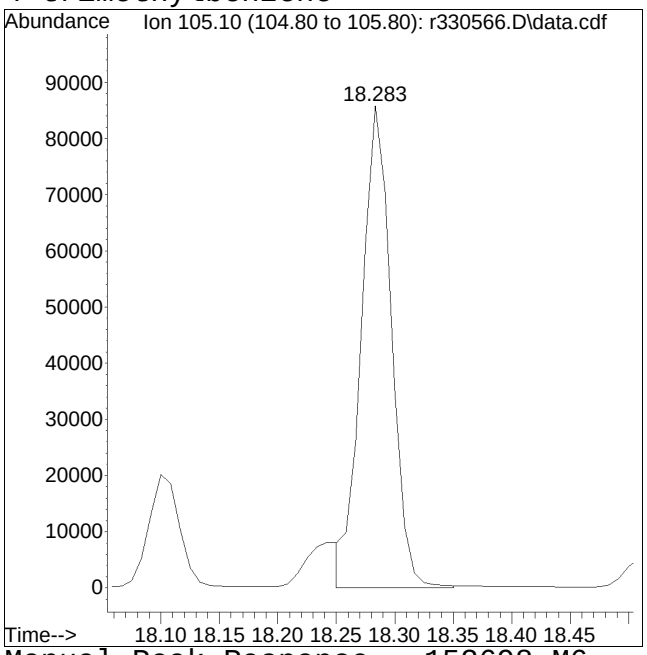
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : r330566.D Operator : AIRPIANO3:JMB
Date Inj'd : 4/23/2020 0:7: 8 Instrument :
Sample : L2419731-08,3,250,250 Quant Date : 4/24/2024 7:09 am

Compound #99: 1,2,4-trimethylbenzene



Original Peak Response = 180192



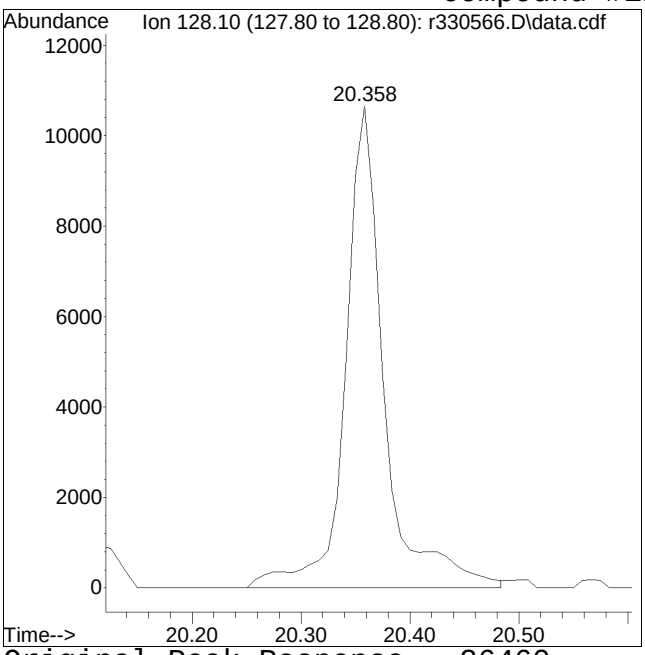
Manual Peak Response = 152698 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

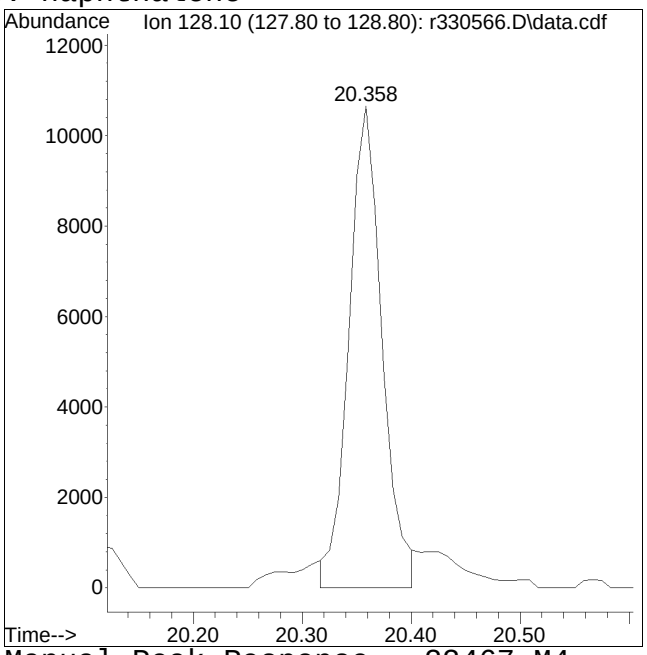
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : r330566.D Operator : AIRPIANO3:JMB
Date Inj'd : 4/23/2020 0:7: 8 Instrument :
Sample : L2419731-08,3,250,250 Quant Date : 4/24/2024 7:09 am

Compound #116: naphthalene



Original Peak Response = 26460



Manual Peak Response = 22467 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330567.D
Acq On : 23 Apr 2024 8:28 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-01,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:09:55 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423T\r330561.D
Sub List : TO15-NY+NAPH-7-SIM - .

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	8.817	49	356937	10.000	ppbV		0.00
Standard Area = 361003			Recovery = 98.87%				
43) 1,4-difluorobenzene	11.053	114	1166607	10.000	ppbV		0.00
Standard Area = 1163384			Recovery = 100.28%				
67) chlorobenzene-D5	15.817	54	169479	10.000	ppbV	#	0.00
Standard Area = 169079			Recovery = 100.24%				
System Monitoring Compounds							
Target Compounds							Qvalue
5) dichlorodifluoromethane	3.798	85	15762	0.405	ppbV		99
6) chloromethane	3.954	50	9240	0.475	ppbV		95
7) Freon-114	4.056		0	N.D.			
10) 1,3-butadiene	4.314	54	993	0.058	ppbV		93
13) bromomethane	4.578		0	N.D.			
14) chloroethane	4.764		0	N.D.			
15) ethanol	4.890	31	426320	34.917	ppbV	#	79
17) vinyl bromide	0.000		0	N.D.			
19) acetone	5.390	43	3350085M6	86.237	ppbV		
21) trichlorofluoromethane	5.580	101	9590	0.242	ppbV		99
22) isopropyl alcohol	5.690	45	138105	2.667	ppbV	#	96
27) tertiary butyl alcohol	6.364	59	10812	0.210	ppbV	#	87
28) methylene chloride	6.418	49	6733	0.236	ppbV		97
29) 3-chloropropene	6.466		0	N.D.			
30) carbon disulfide	6.712	76	4647	0.052	ppbV	#	57
31) Freon 113	6.712	101	3799	0.081	ppbV		96
32) trans-1,2-dichloroethene	0.000		0	N.D.			
33) 1,1-dichloroethane	7.683		0	N.D.			
34) MTBE	7.883		0	N.D.			
36) 2-butanone	8.142	43	113430	1.707	ppbV	#	96
38) Ethyl Acetate	8.925	61	2859	0.287	ppbV	#	28
39) chloroform	8.975	83	8555	0.194	ppbV		97
40) Tetrahydrofuran	9.417	42	168699	3.933	ppbV		95
42) 1,2-dichloroethane	9.817		0	N.D.			
44) hexane	8.892	57	79986	1.828	ppbV	#	1
50) benzene	10.627	78	27113	0.274	ppbV	#	91
53) cyclohexane	10.940	56	9580	0.206	ppbV	#	85
56) 1,2-dichloropropane	0.000		0	N.D.			

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330567.D
Acq On : 23 Apr 2024 8:28 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-01,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:09:55 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423T\r330561.D
Sub List : TO15-NY+NAPH-7-SIM - .

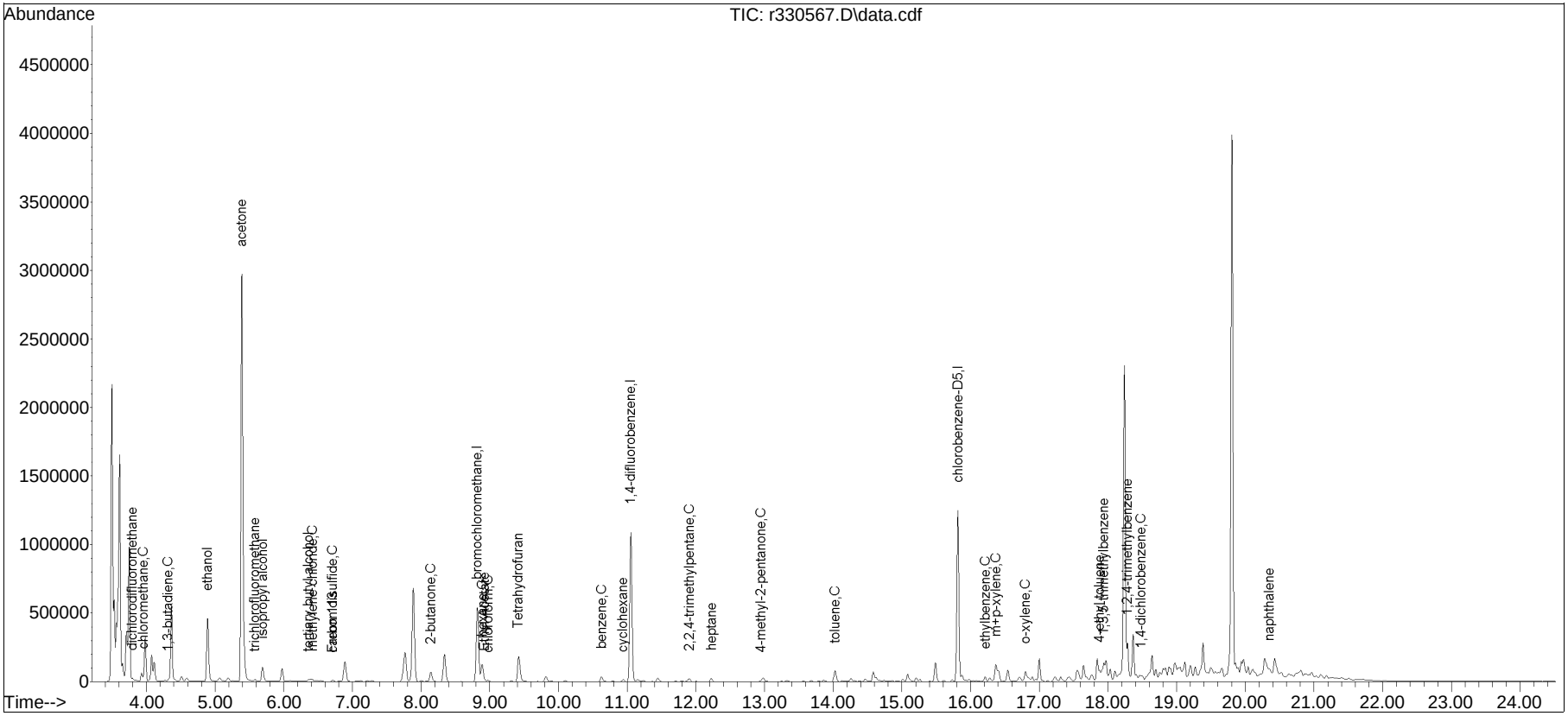
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	11.800		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	11.907	57	23682	0.167	ppbV	98
62) heptane	12.227	43	14331	0.226	ppbV #	88
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.950	43	4113M4	0.055	ppbV	
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	14.025	91	65979	0.547	ppbV	98
72) 2-hexanone	0.000		0	N.D.	d	
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
80) chlorobenzene	0.000		0	N.D.	d	
81) ethylbenzene	16.217	91	32857	0.217	ppbV	92
83) m+p-xylene	16.367	91	105000	0.863	ppbV	90
84) bromoform	0.000		0	N.D.		
85) styrene	16.717		0	N.D.		
86) 1,1,2,2-tetrachloroethane	16.783		0	N.D.		
87) o-xylene	16.800	91	48521	0.402	ppbV	89
96) 4-ethyl toluene	17.875	105	27561M4	0.154	ppbV	
97) 1,3,5-trimethylbenzene	17.942	105	37385	0.239	ppbV	98
99) 1,2,4-trimethylbenzene	18.283	105	139366M6	0.929	ppbV	
101) Benzyl Chloride	18.417		0	N.D.		
102) 1,3-dichlorobenzene	0.000		0	N.D.	d	
103) 1,4-dichlorobenzene	18.483	146	3596	0.036	ppbV #	73
107) 1,2-dichlorobenzene	18.758		0	N.D.		
115) 1,2,4-trichlorobenzene	20.233		0	N.D.		
116) naphthalene	20.350	128	24984M4	0.131	ppbV	
119) hexachlorobutadiene	20.658		0	N.D.		

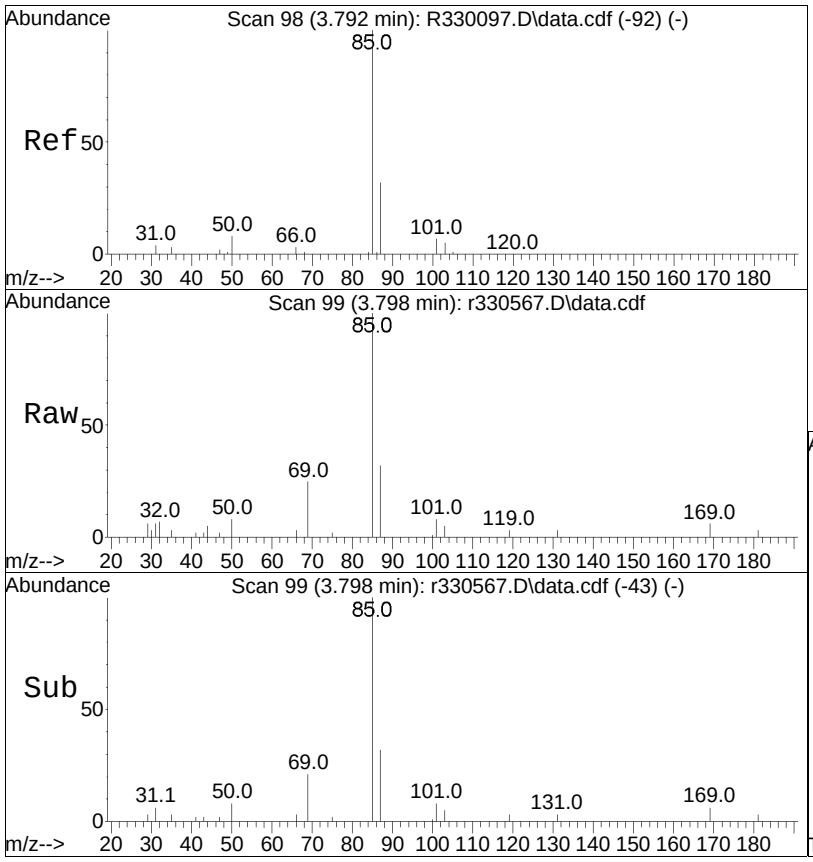
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY+NAPH-7-SIM - .iano3\2024\04\0423T\r330561.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330567.D
Acq On : 23 Apr 2024 8:28 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-01,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:09:55 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

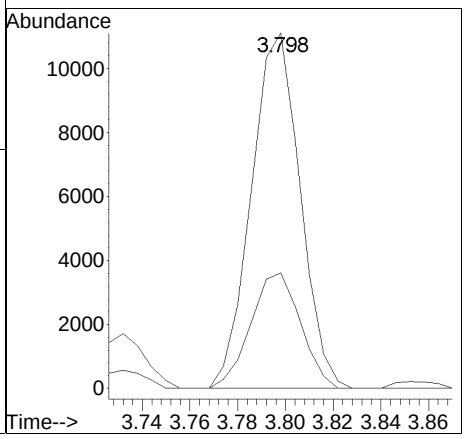


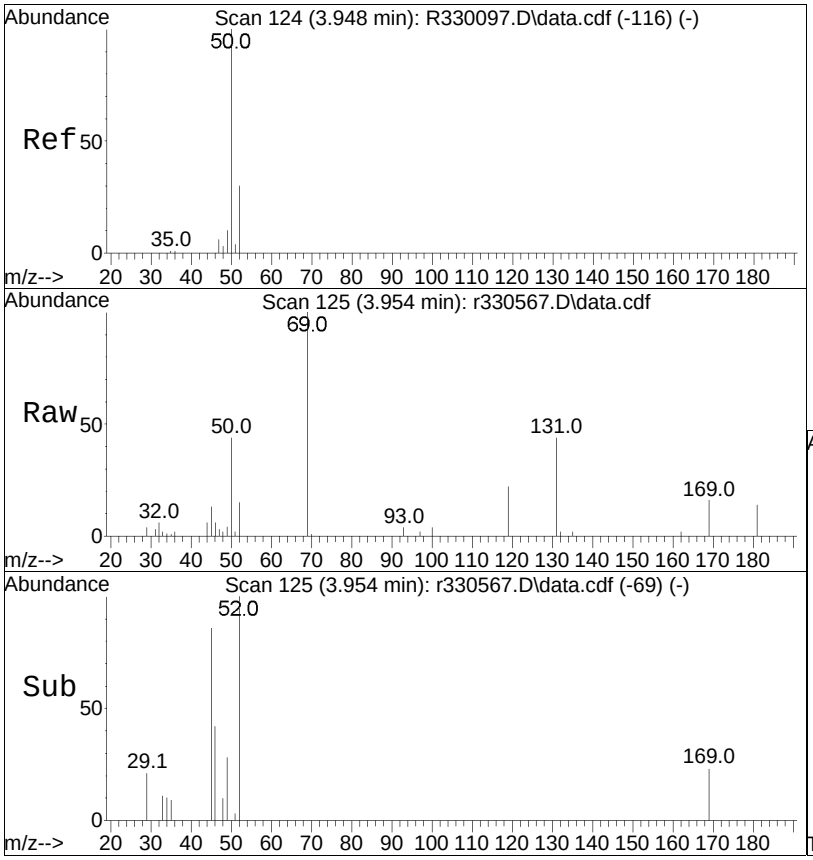


#5
dichlorodifluoromethane
Concen: 0.41 ppbV
RT: 3.798 min Scan# 99
Delta R.T. 0.006 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion: 85 Resp: 15762

Ion	Ratio	Lower	Upper
85	100		
87	32.5	25.4	38.2

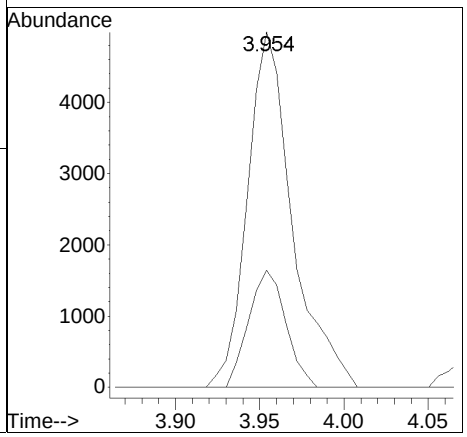


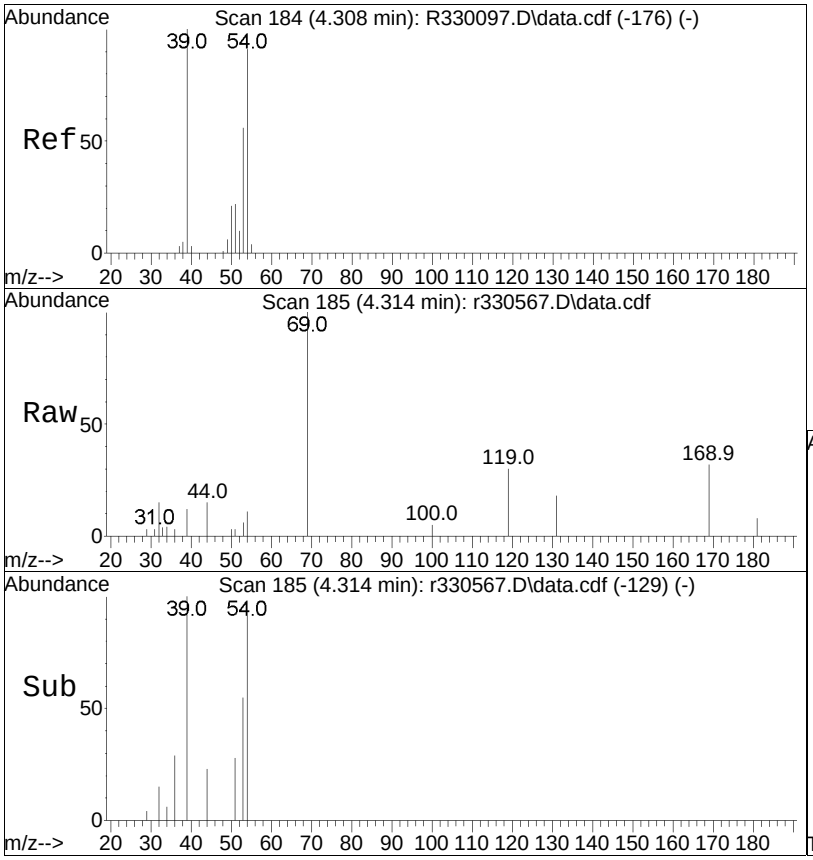


#6
chloromethane
Concen: 0.48 ppbV
RT: 3.954 min Scan# 125
Delta R.T. 0.006 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion: 50 Resp: 9240

Ion	Ratio	Lower	Upper
50	100		
52	33.0	24.0	36.0

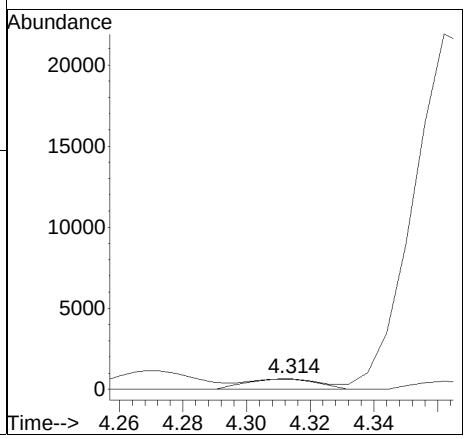


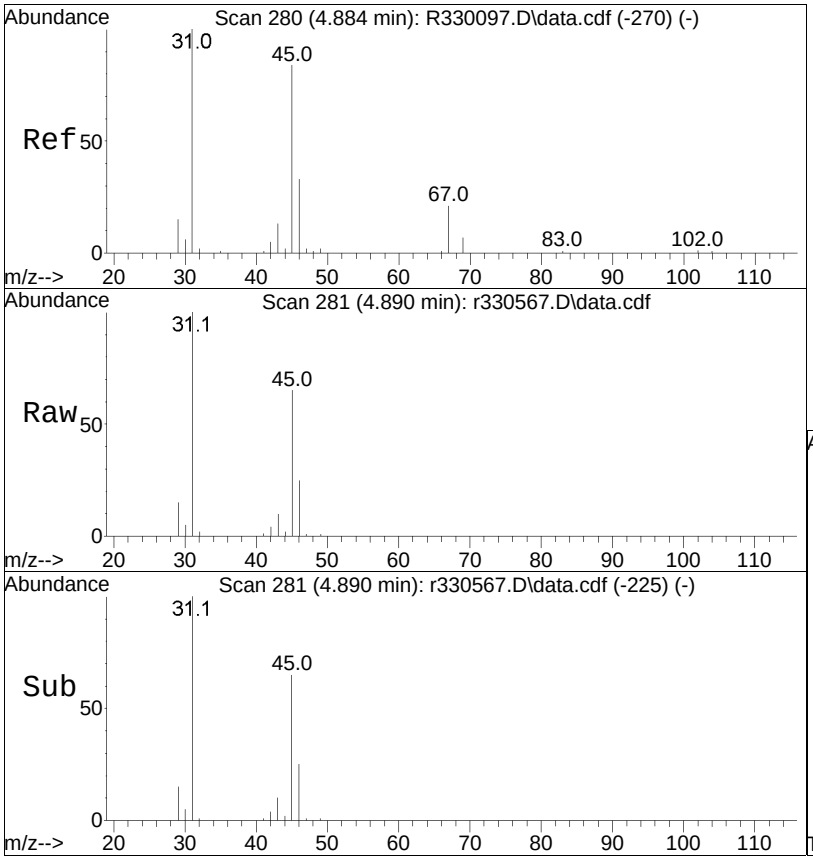


#10
1,3-butadiene
Concen: 0.06 ppbV
RT: 4.314 min Scan# 185
Delta R.T. 0.006 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion: 54 Resp: 993

Ion	Ratio	Lower	Upper
54	100		
39	102.5	88.2	132.4

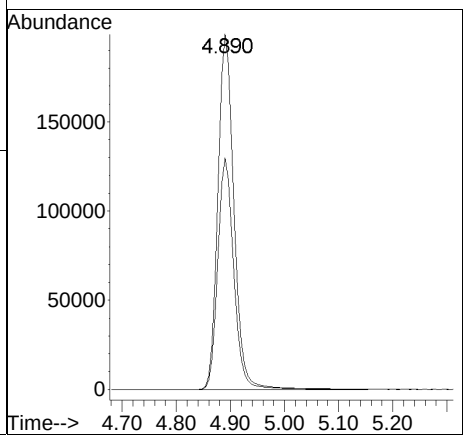


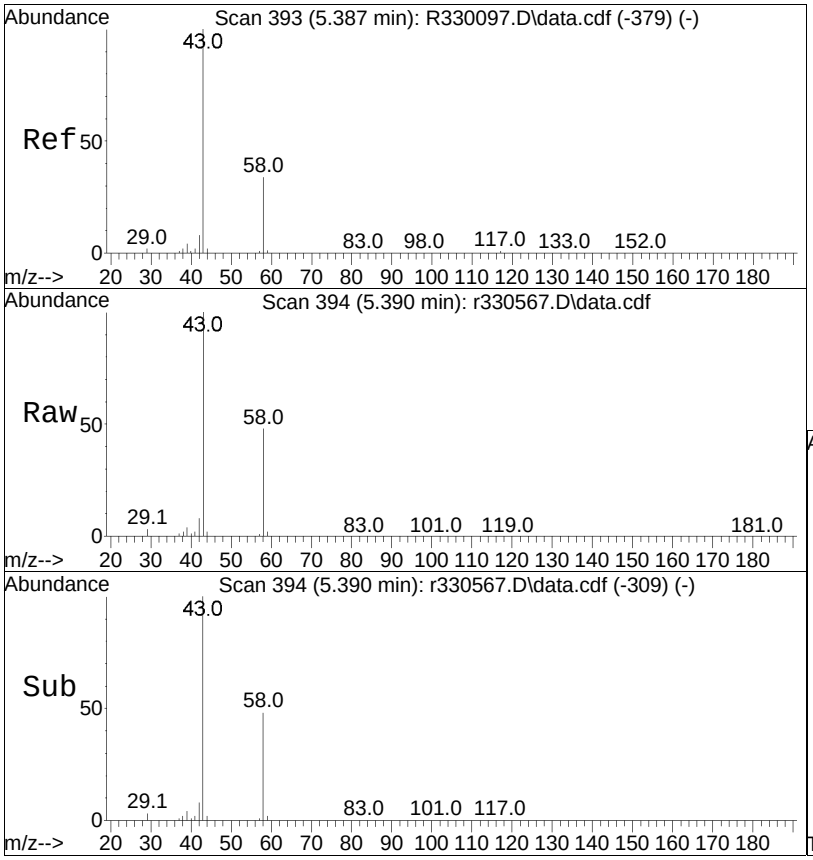


#15
ethanol
Concen: 34.92 ppbV
RT: 4.890 min Scan# 281
Delta R.T. 0.006 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion: 31 Resp: 426320

Ion	Ratio	Lower	Upper
31	100		
45	65.1	67.5	101.3#

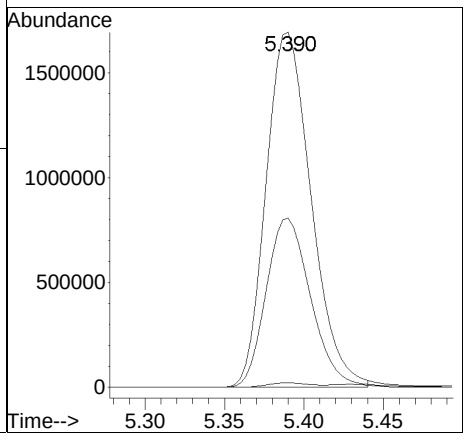


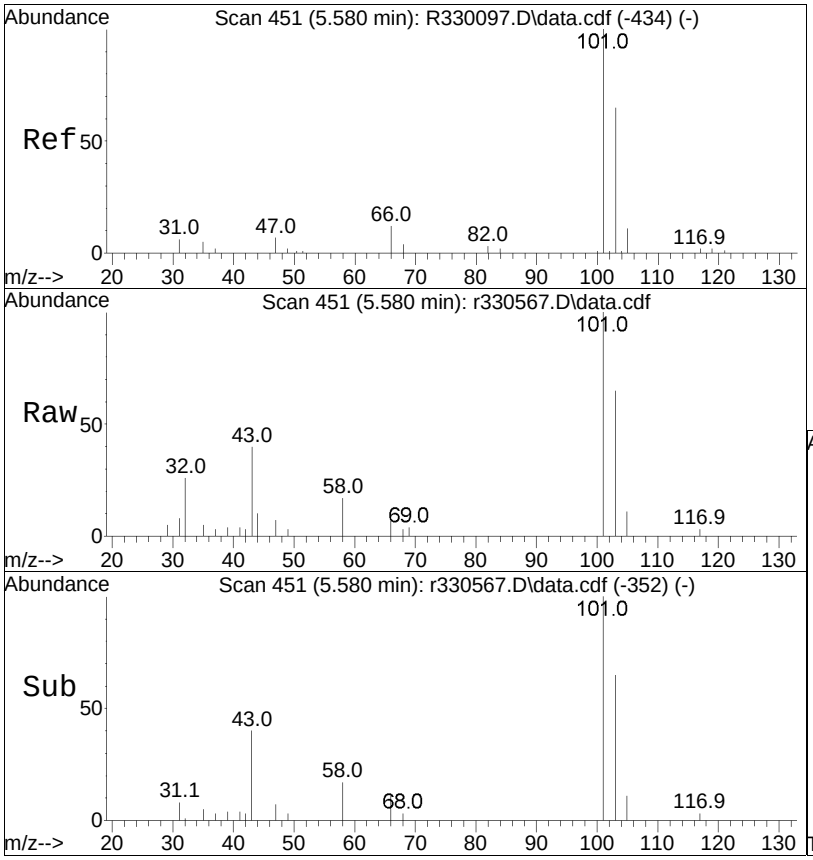


#19
acetone
Concen: 86.24 ppbV m
RT: 5.390 min Scan# 394
Delta R.T. 0.003 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion: 43 Resp: 3350085

Ion	Ratio	Lower	Upper
43	100		
58	47.6	27.3	40.9#
57	1.3	0.8	1.2#

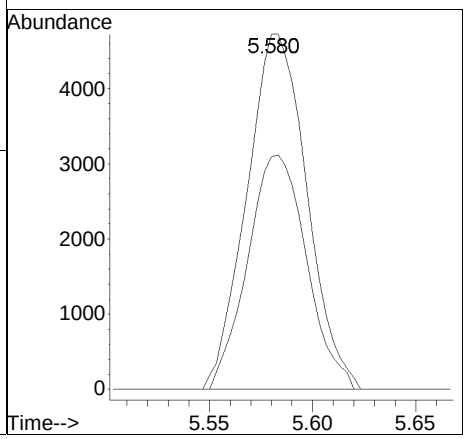


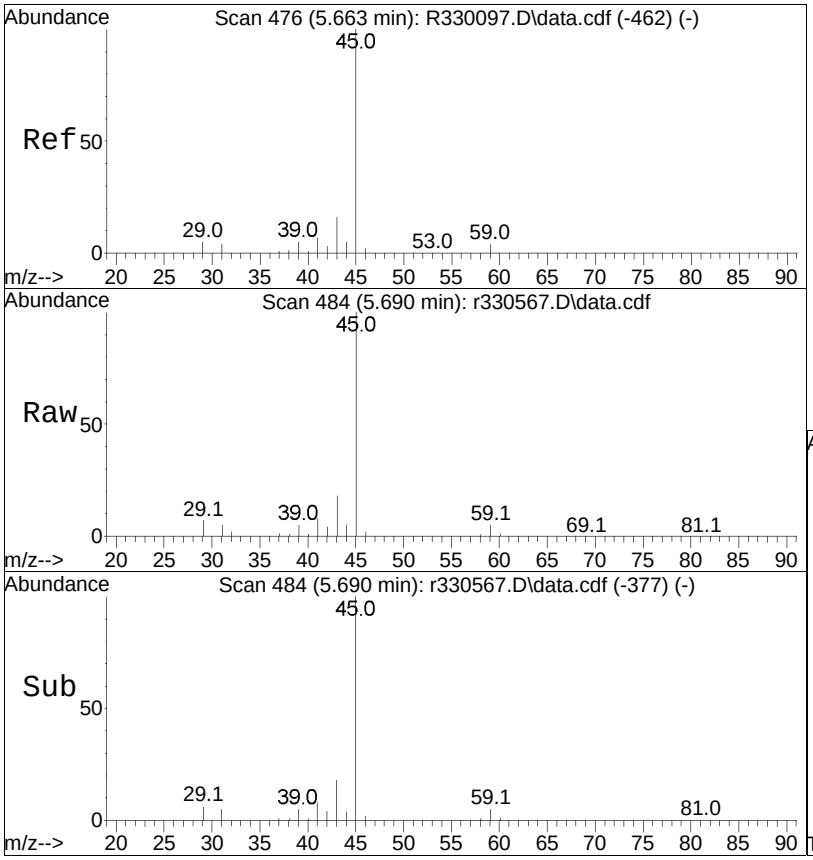


#21
trichlorofluoromethane
Concen: 0.24 ppbV
RT: 5.580 min Scan# 451
Delta R.T. 0.000 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion:101 Resp: 9590

Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.0	78.0

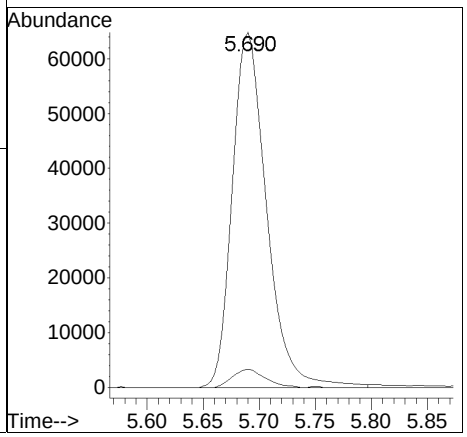


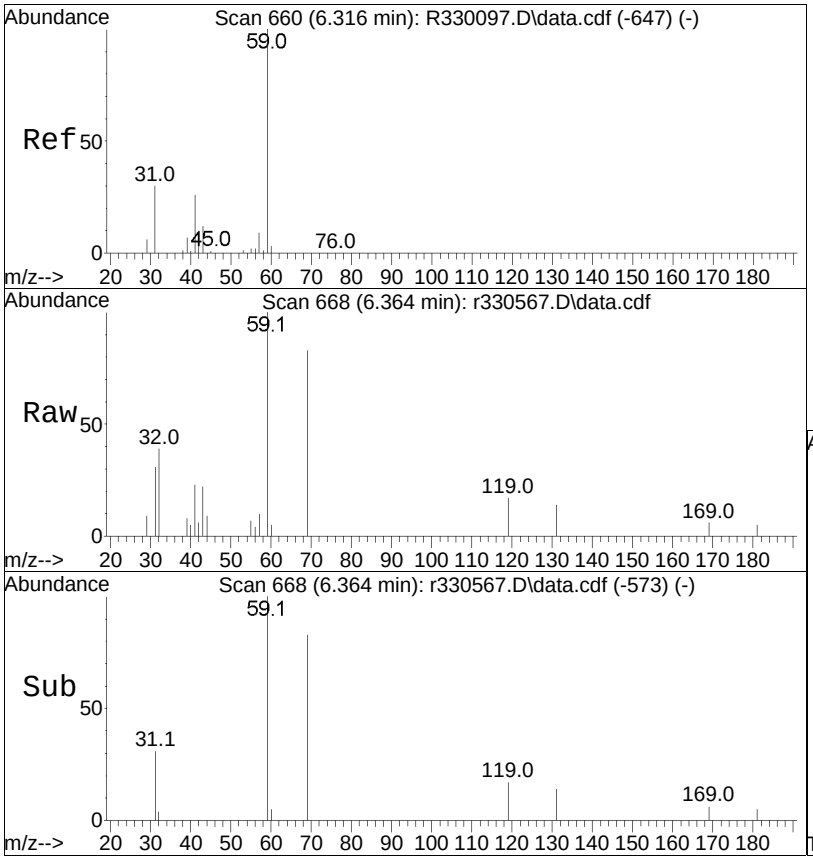


#22
isopropyl alcohol
Concen: 2.67 ppbV
RT: 5.690 min Scan# 484
Delta R.T. 0.027 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion: 45 Resp: 138105

Ion	Ratio	Lower	Upper
45	100		
59	5.1	3.0	4.4#

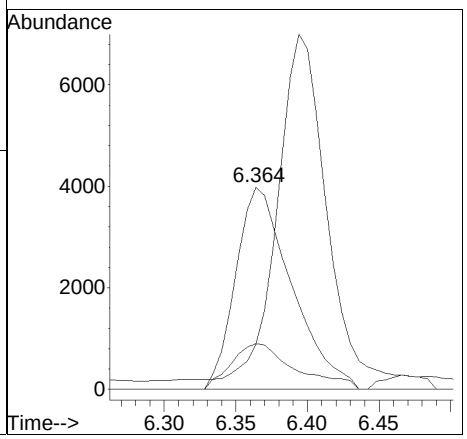


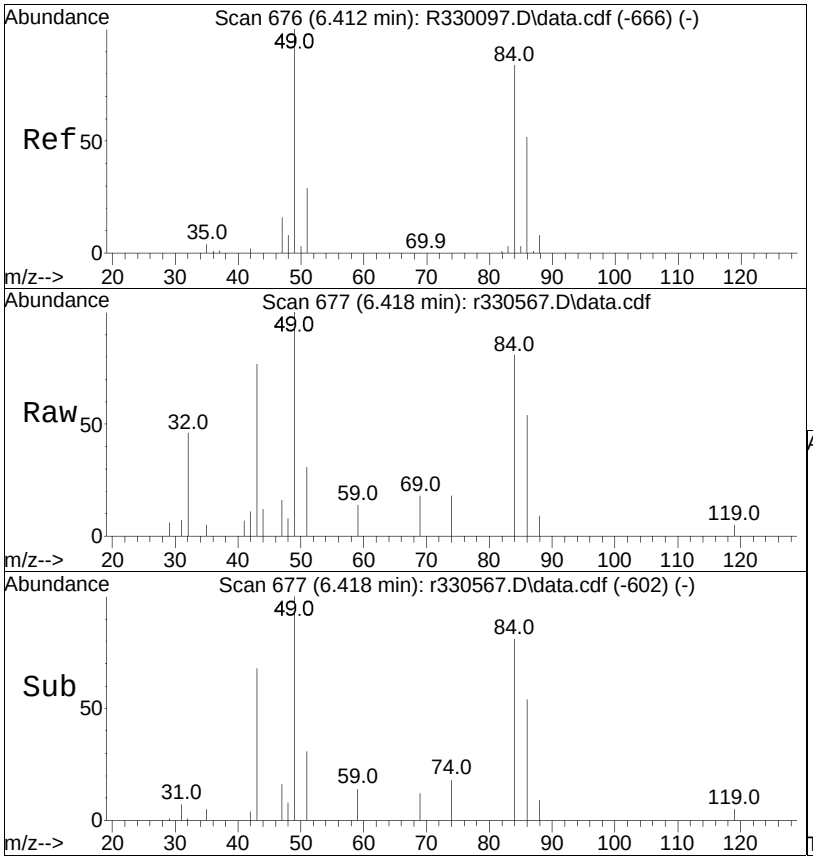


#27
tertiary butyl alcohol
Concen: 0.21 ppbV
RT: 6.364 min Scan# 668
Delta R.T. 0.048 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion: 59 Resp: 10812

Ion	Ratio	Lower	Upper
59	100		
41	22.6	20.4	30.6
43	22.4	9.4	14.0#

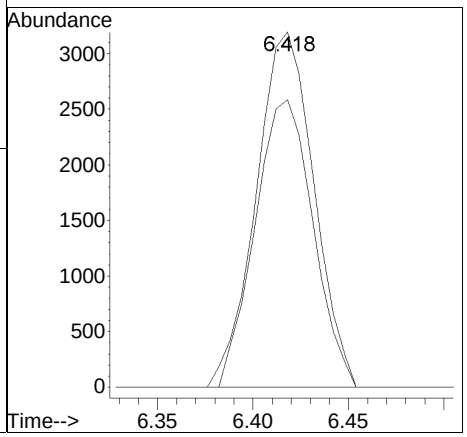


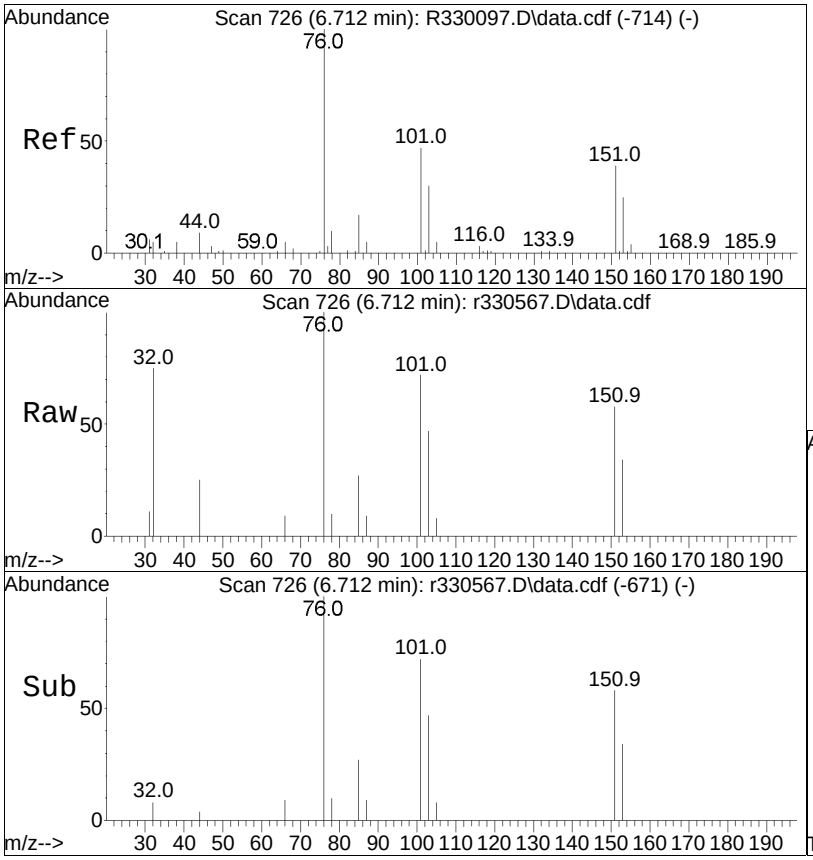


#28
methylene chloride
Concen: 0.24 ppbV
RT: 6.418 min Scan# 677
Delta R.T. 0.006 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion: 49 Resp: 6733

Ion	Ratio	Lower	Upper
49	100		
84	80.9	67.0	100.4

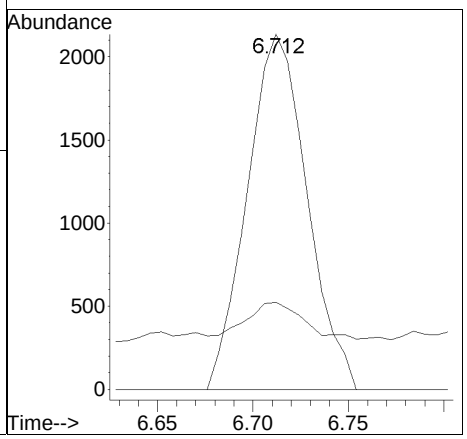


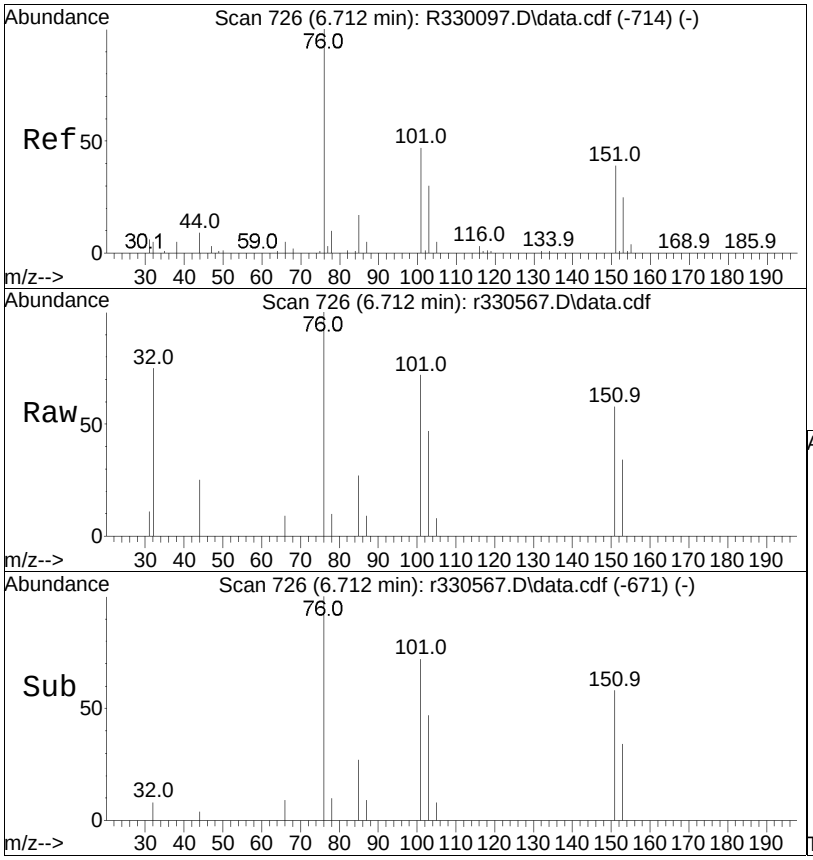


#30
carbon disulfide
Concen: 0.05 ppbV
RT: 6.712 min Scan# 726
Delta R.T. 0.000 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion: 76 Resp: 4647

Ion	Ratio	Lower	Upper
76	100		
44	24.5	7.1	10.7#

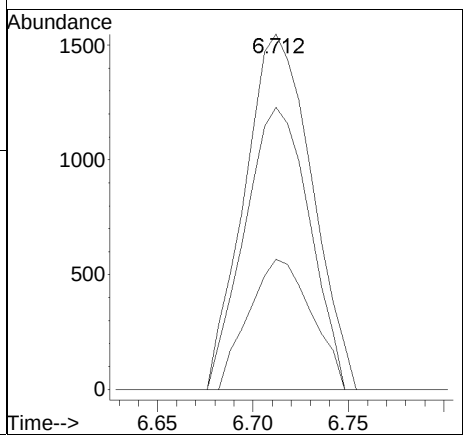


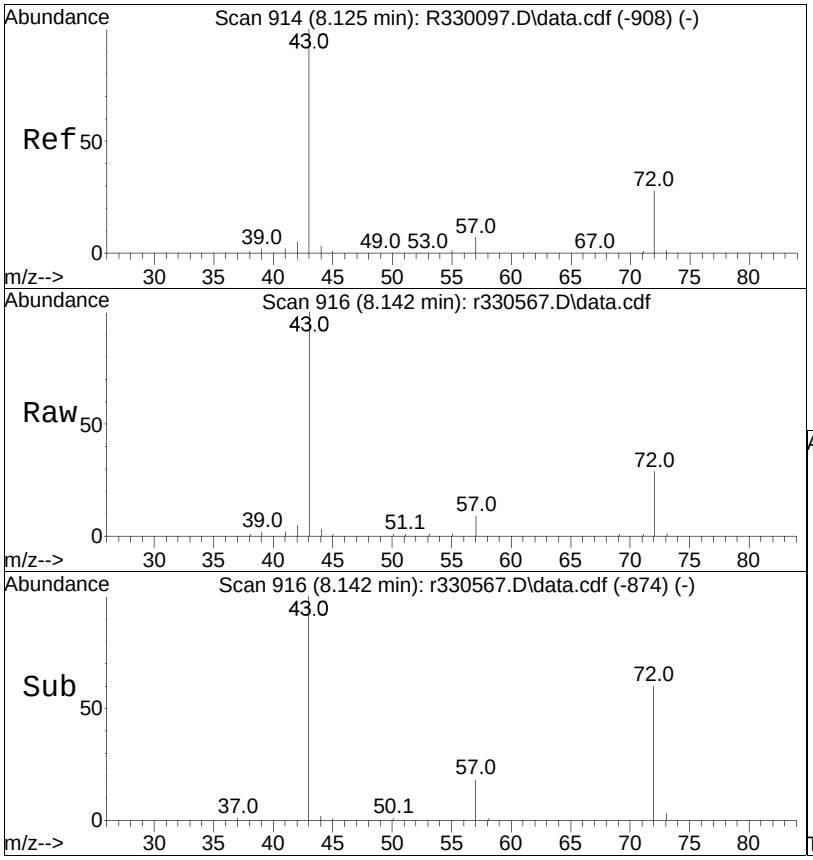


#31
Freon 113
Concen: 0.08 ppbV
RT: 6.712 min Scan# 726
Delta R.T. 0.000 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion:101 Resp: 3799

Ion	Ratio	Lower	Upper
101	100		
85	36.6	28.5	42.7
151	79.4	66.9	100.3

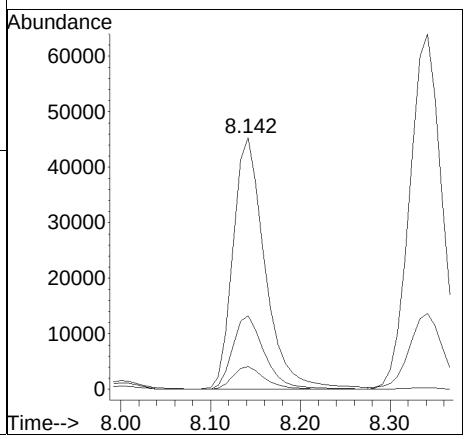


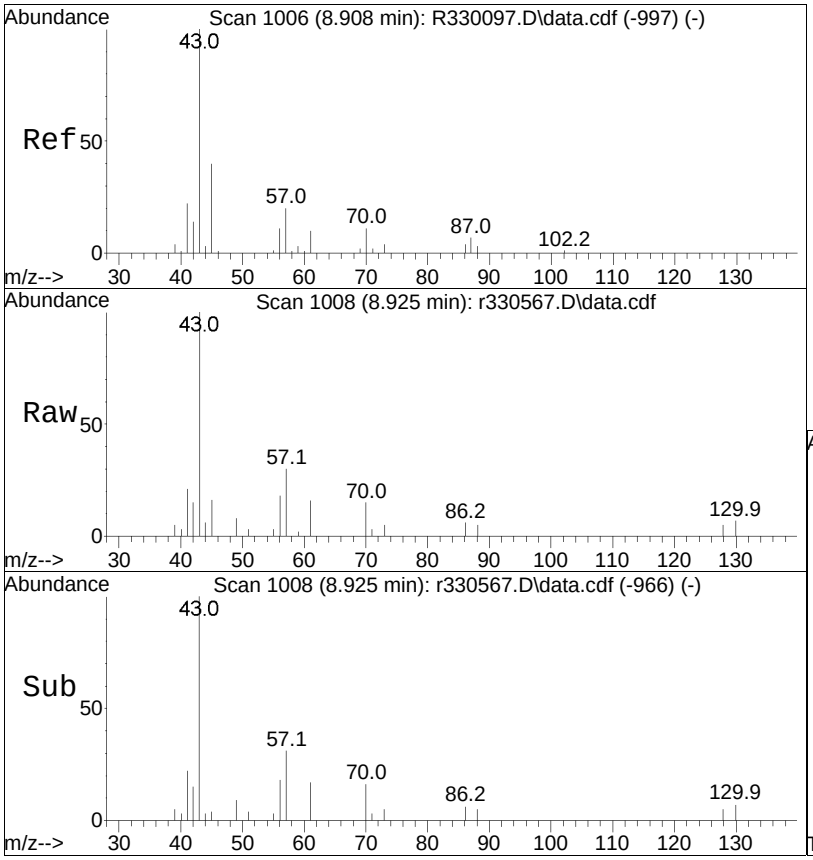


#36
2-butanone
Concen: 1.71 ppbV
RT: 8.142 min Scan# 916
Delta R.T. 0.017 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion: 43 Resp: 113430

Ion	Ratio	Lower	Upper
43	100		
72	29.3	22.1	33.1
57	9.1	5.3	7.9#

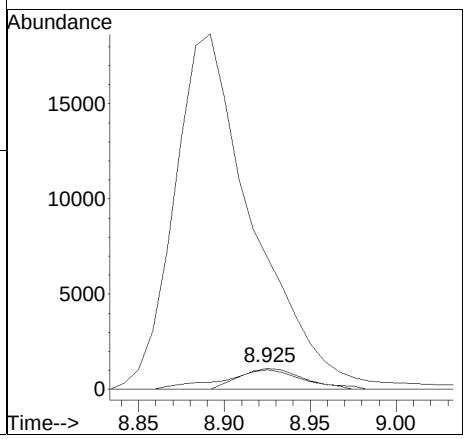


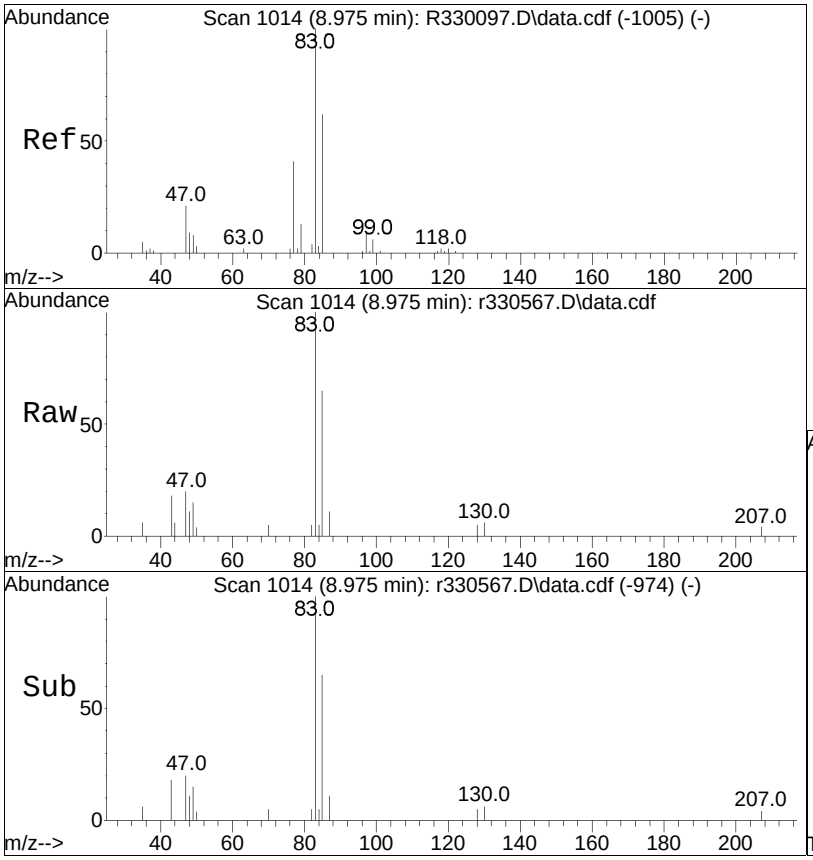


#38
Ethyl Acetate
Concen: 0.29 ppbV
RT: 8.925 min Scan# 1008
Delta R.T. 0.017 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion: 61 Resp: 2859

Ion	Ratio	Lower	Upper
61	100		
70	93.4	87.4	131.0
43	625.1	771.8	1157.6#

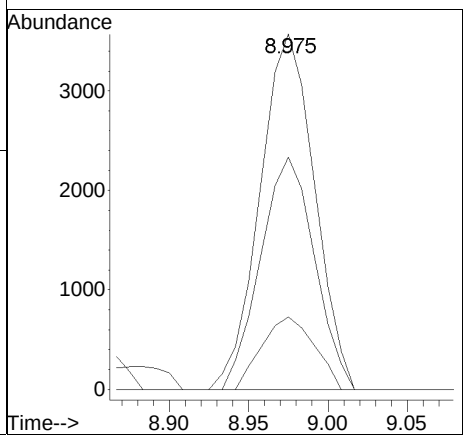


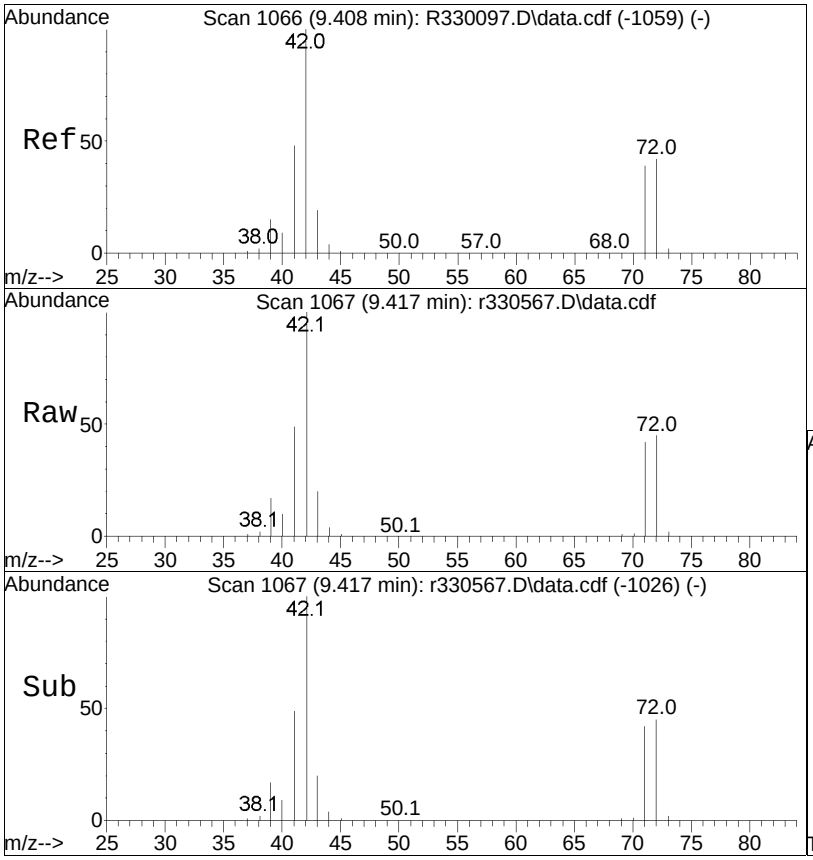


#39
chloroform
Concen: 0.19 ppbV
RT: 8.975 min Scan# 1014
Delta R.T. 0.000 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion: 83 Resp: 8555

Ion	Ratio	Lower	Upper
83	100		
85	65.4	49.8	74.8
47	20.4	16.8	25.2

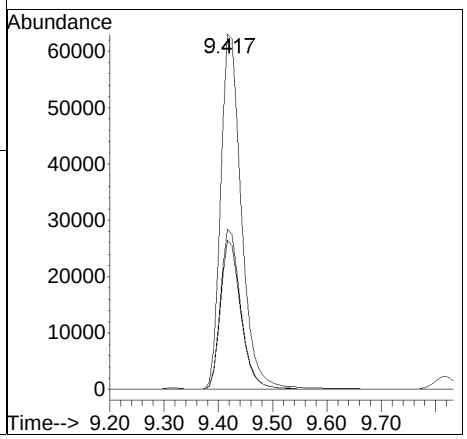


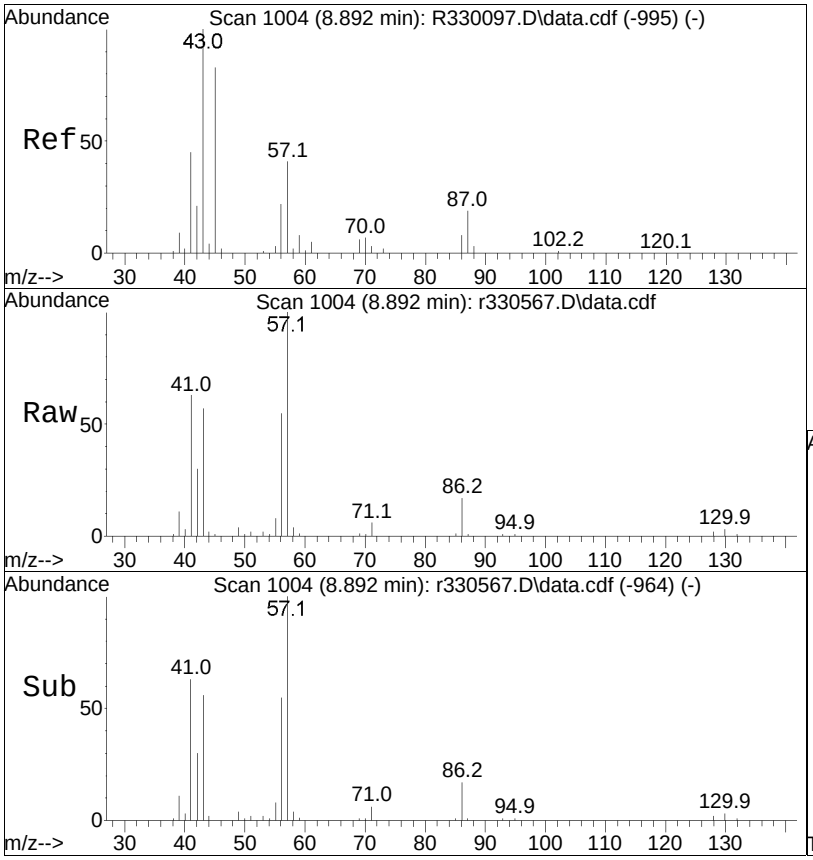


#40
Tetrahydrofuran
Concen: 3.93 ppbV
RT: 9.417 min Scan# 1067
Delta R.T. 0.008 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion: 42 Resp: 168699

Ion	Ratio	Lower	Upper
42	100		
71	42.0	31.0	46.4
72	45.1	33.4	50.2

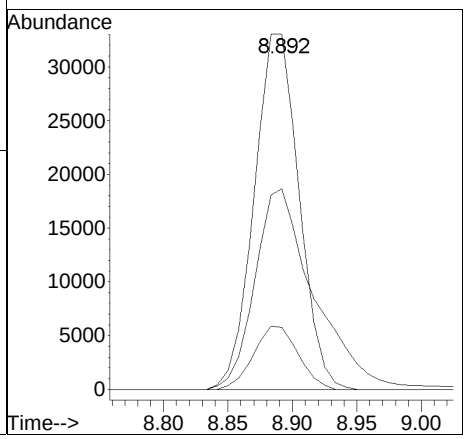


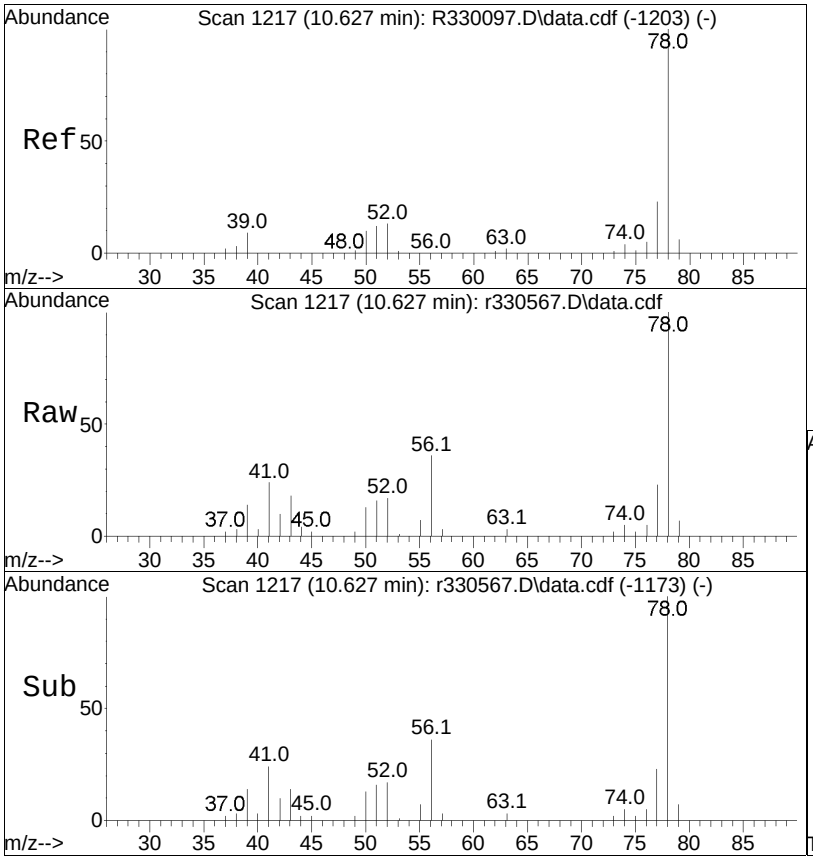


#44
hexane
Concen: 1.83 ppbV
RT: 8.892 min Scan# 1004
Delta R.T. 0.000 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion: 57 Resp: 79986

Ion	Ratio	Lower	Upper
57	100		
43	56.5	196.5	294.7#
86	17.5	15.8	23.6

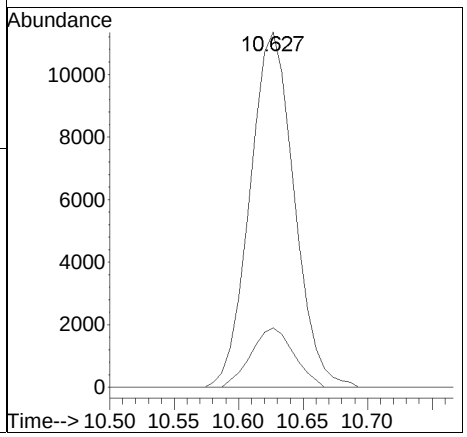


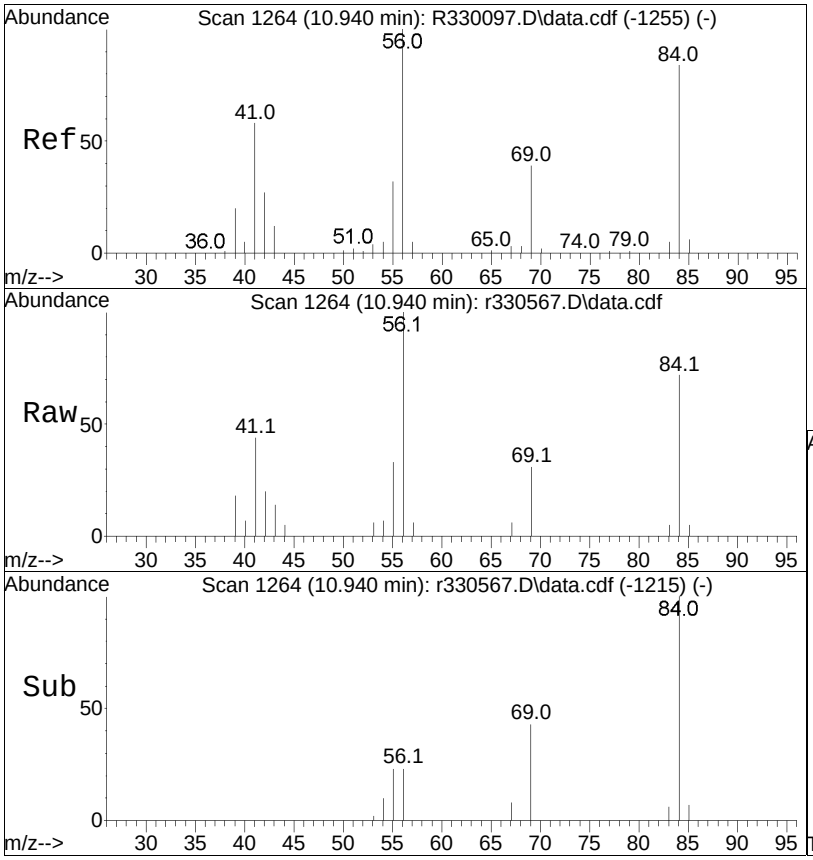


#50
benzene
Concen: 0.27 ppbV
RT: 10.627 min Scan# 1217
Delta R.T. 0.000 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion: 78 Resp: 27113

Ion	Ratio	Lower	Upper
78	100		
52	16.7	10.4	15.6#

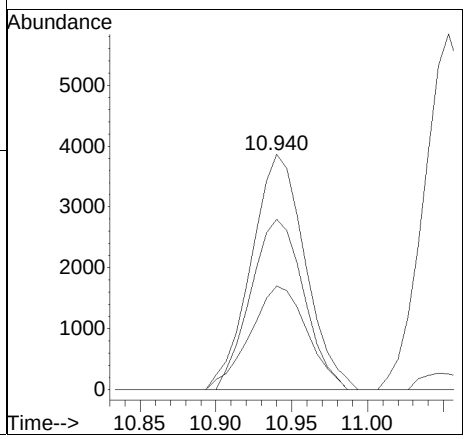


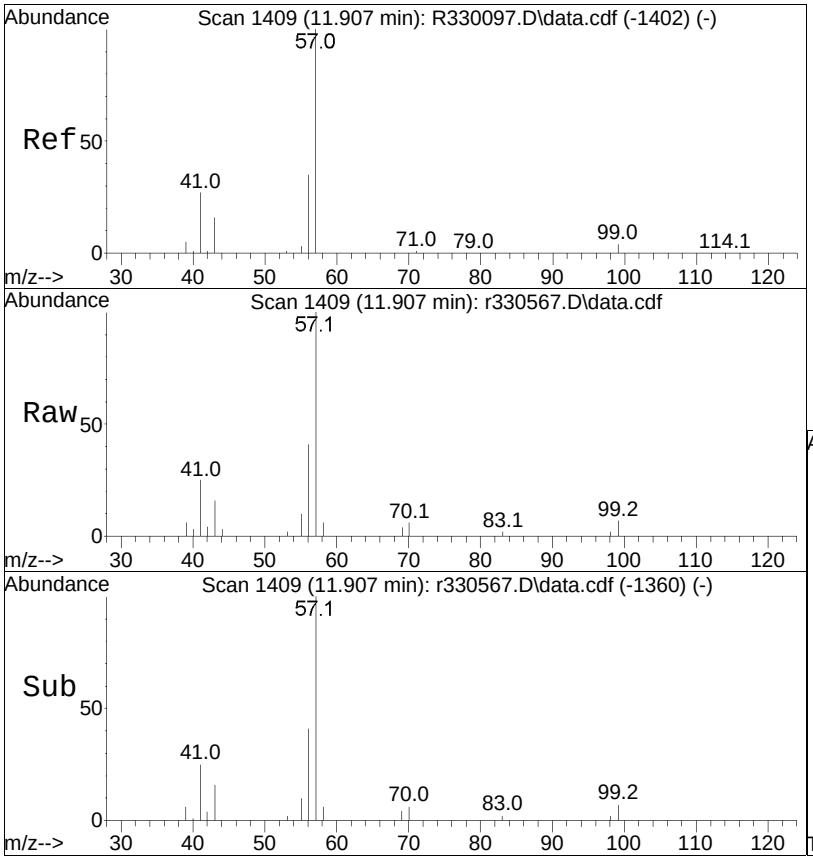


#53
cyclohexane
Concen: 0.21 ppbV
RT: 10.940 min Scan# 1264
Delta R.T. 0.000 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion: 56 Resp: 9580

Ion	Ratio	Lower	Upper
56	100		
84	72.4	67.4	101.2
41	44.0	46.4	69.6#

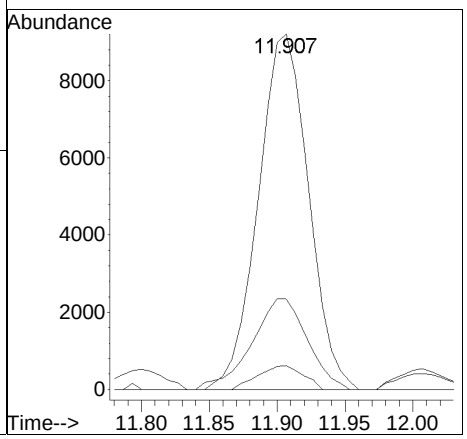


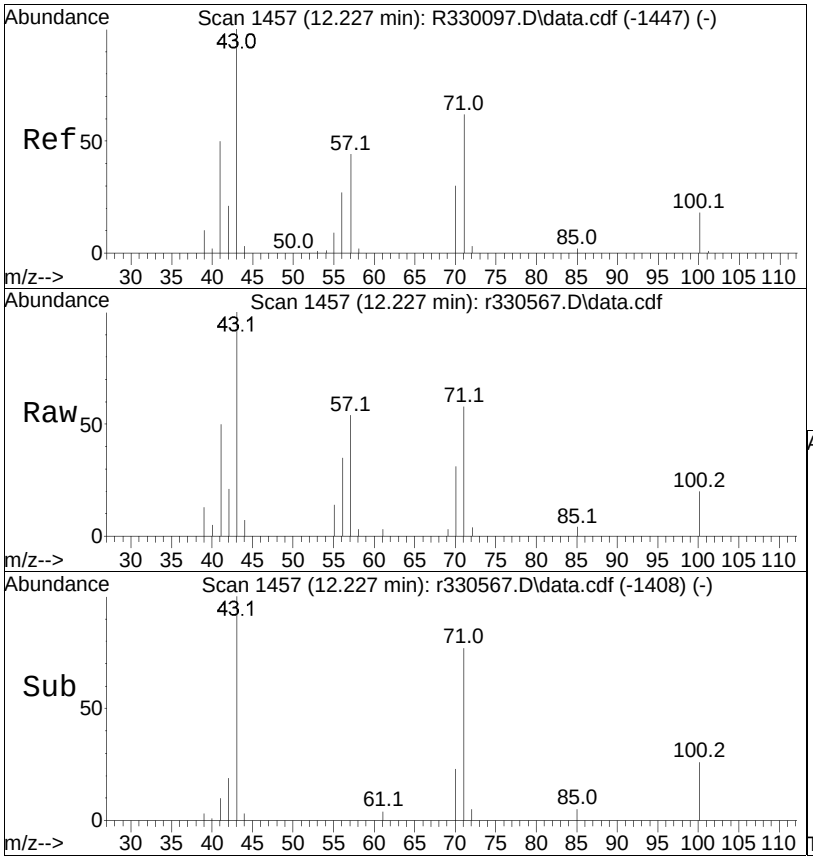


#60
2,2,4-trimethylpentane
Concen: 0.17 ppbV
RT: 11.907 min Scan# 1409
Delta R.T. 0.000 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion: 57 Resp: 23682

Ion	Ratio	Lower	Upper
57	100		
99	6.7	5.3	7.9
41	25.4	21.4	32.0

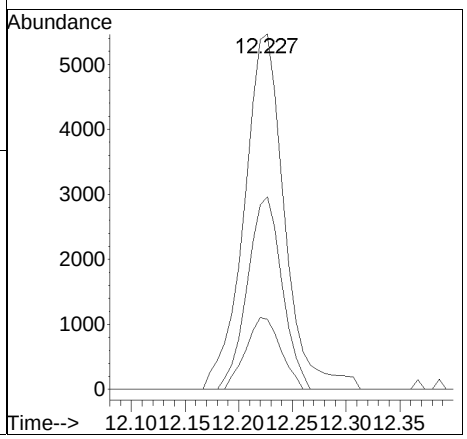


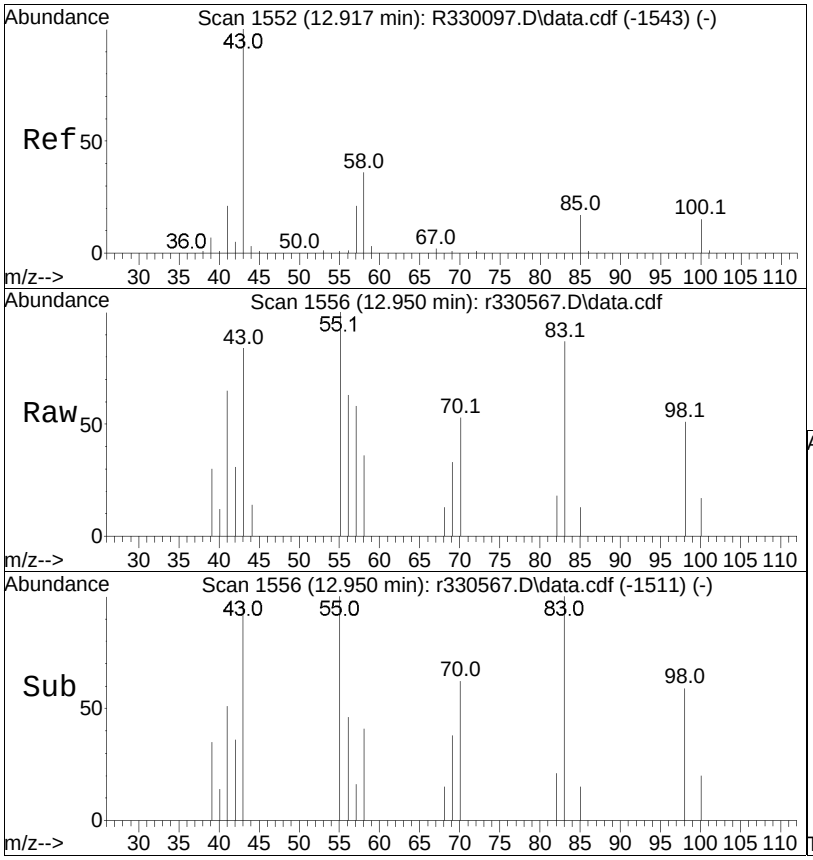


#62
heptane
Concen: 0.23 ppbV
RT: 12.227 min Scan# 1457
Delta R.T. 0.000 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion: 43 Resp: 14331

Ion	Ratio	Lower	Upper
43	100		
57	54.2	34.9	52.3#
100	19.7	14.9	22.3

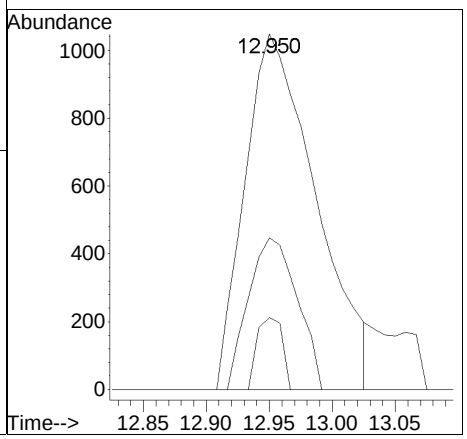


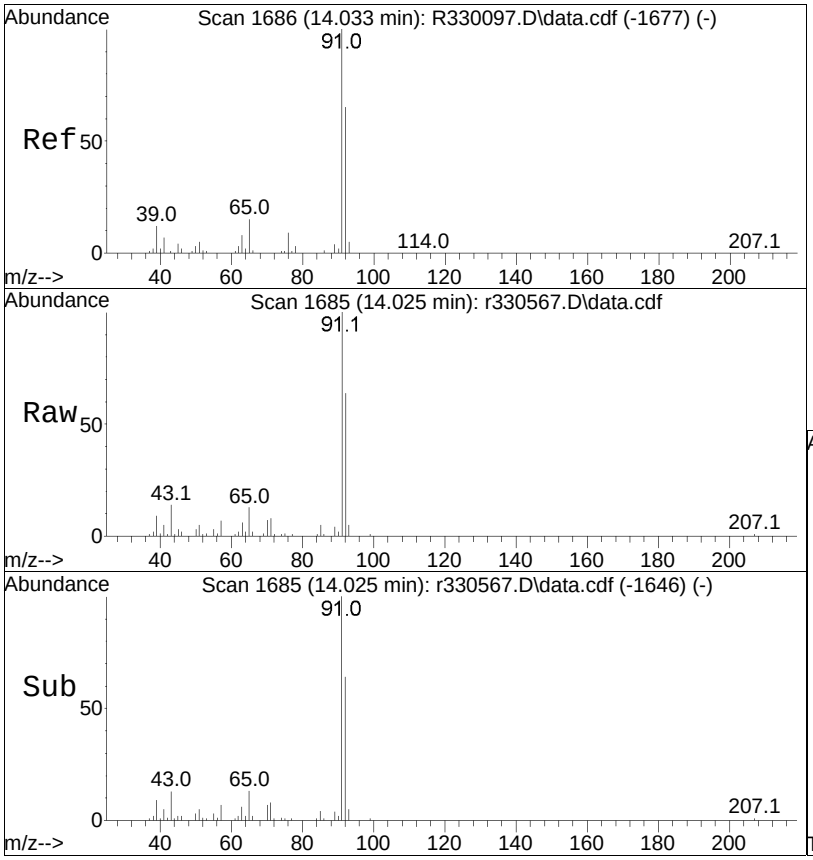


#64
4-methyl-2-pentanone
Concen: 0.05 ppbV m
RT: 12.950 min Scan# 1556
Delta R.T. 0.033 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion: 43 Resp: 4113

Ion	Ratio	Lower	Upper
43	100		
58	42.7	29.1	43.7
100	20.2	12.2	18.4#

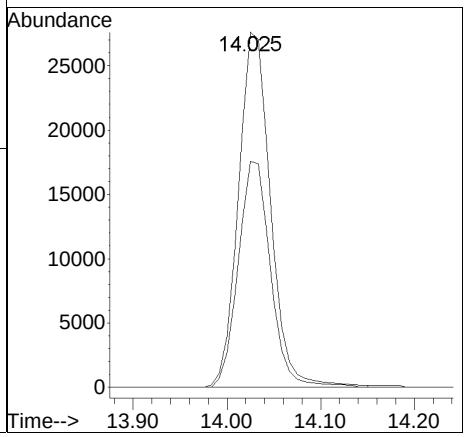


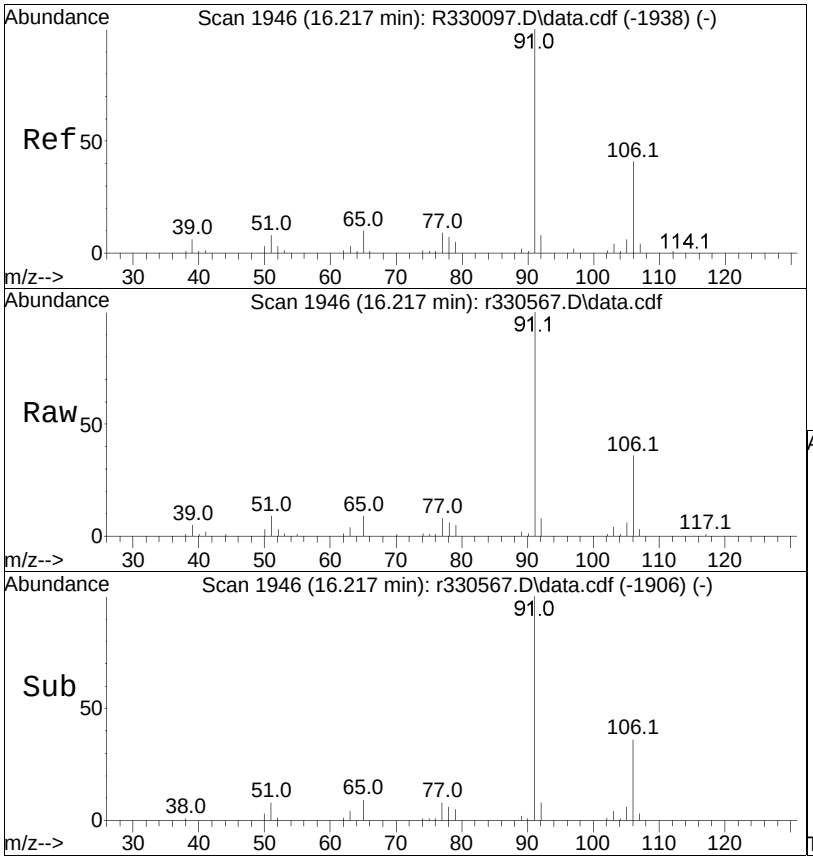


#68
toluene
Concen: 0.55 ppbV
RT: 14.025 min Scan# 1685
Delta R.T. -0.008 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion: 91 Resp: 65979

Ion	Ratio	Lower	Upper
91	100		
92	63.6	52.1	78.1

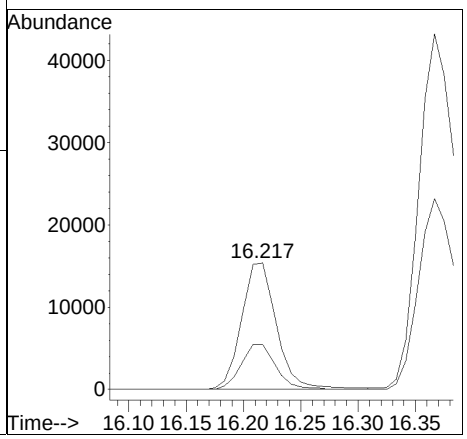


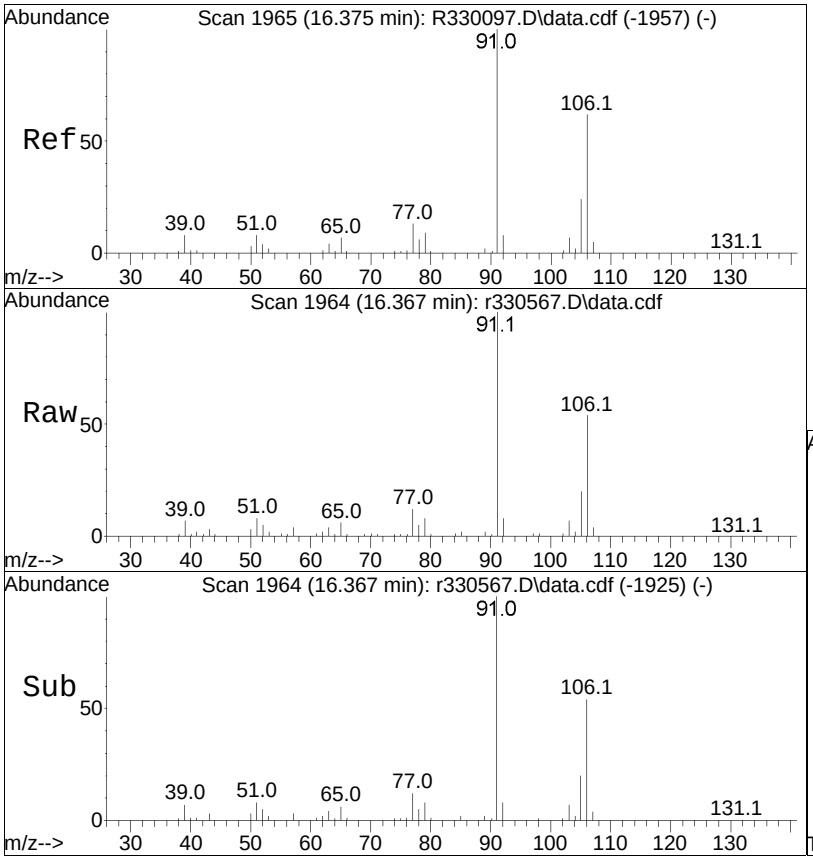


#81
ethylbenzene
Concen: 0.22 ppbV
RT: 16.217 min Scan# 1946
Delta R.T. -0.000 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion: 91 Resp: 32857

Ion	Ratio	Lower	Upper
91	100		
106	35.6	32.6	49.0

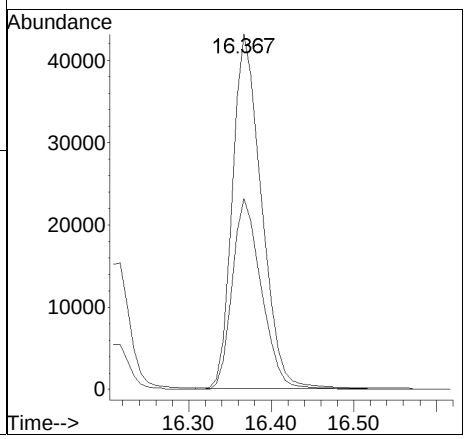


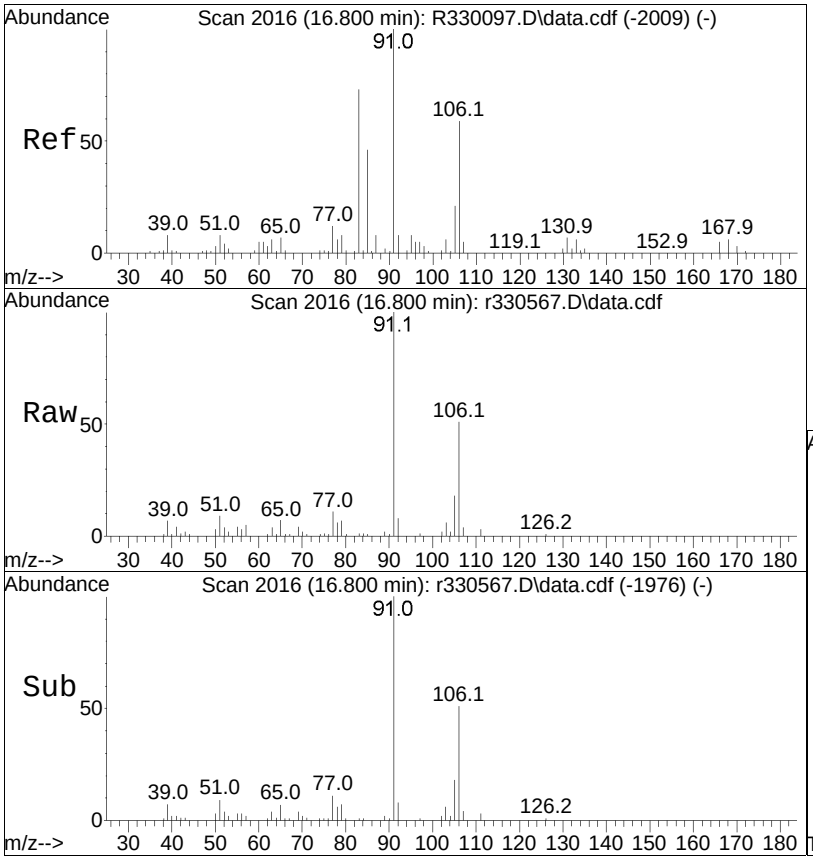


#83
m+p-xylene
Concen: 0.86 ppbV
RT: 16.367 min Scan# 1964
Delta R.T. -0.008 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion: 91 Resp: 105000

Ion	Ratio	Lower	Upper
91	100		
106	53.7	49.2	73.8

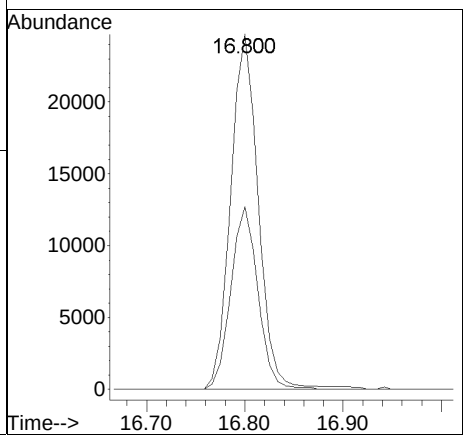


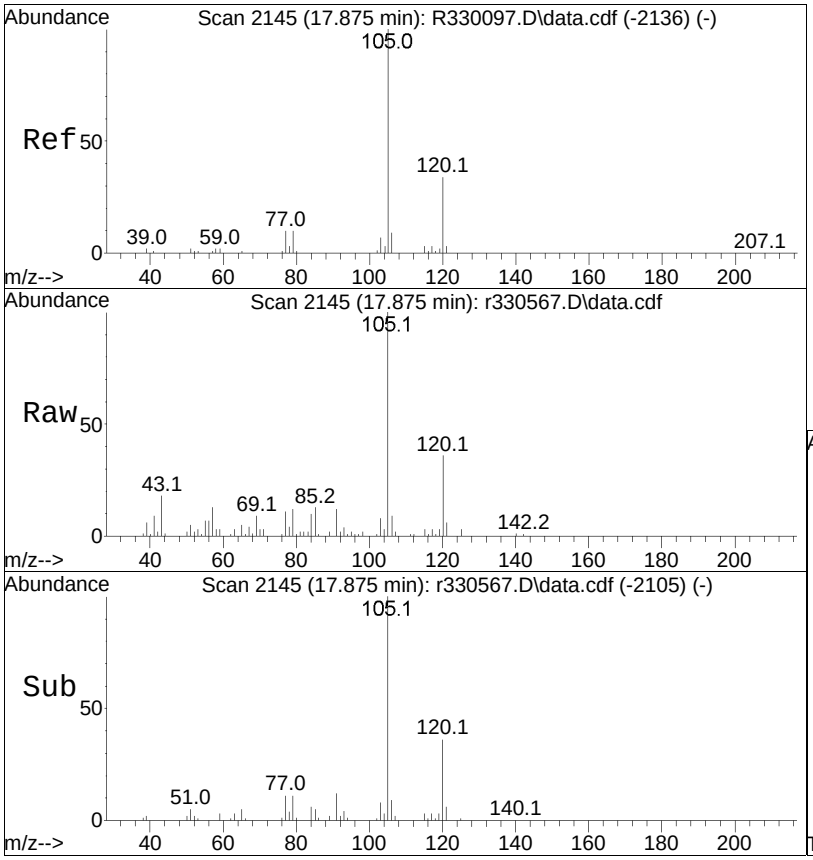


#87
o-xylene
Concen: 0.40 ppbV
RT: 16.800 min Scan# 2016
Delta R.T. 0.000 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion: 91 Resp: 48521

Ion	Ratio	Lower	Upper
91	100		
106	51.5	47.5	71.3

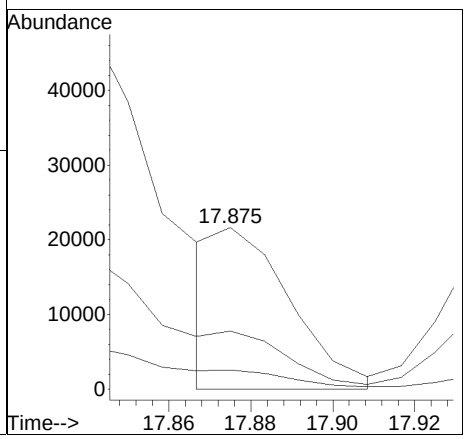


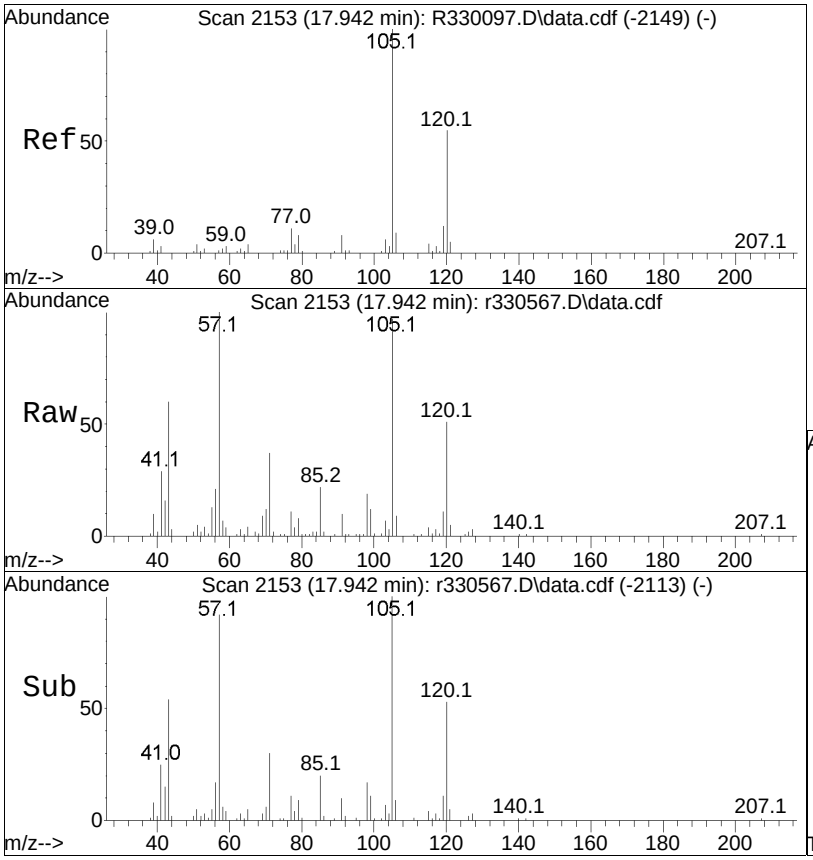


#96
4-ethyl toluene
Concen: 0.15 ppbV m
RT: 17.875 min Scan# 2145
Delta R.T. 0.000 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion:105 Resp: 27561

Ion	Ratio	Lower	Upper
105	100		
120	36.1	27.2	40.8
91	12.0	7.1	10.7#

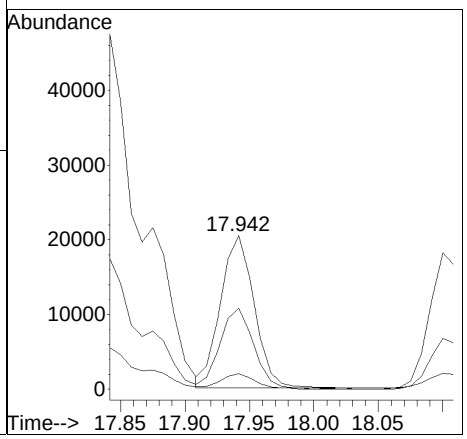


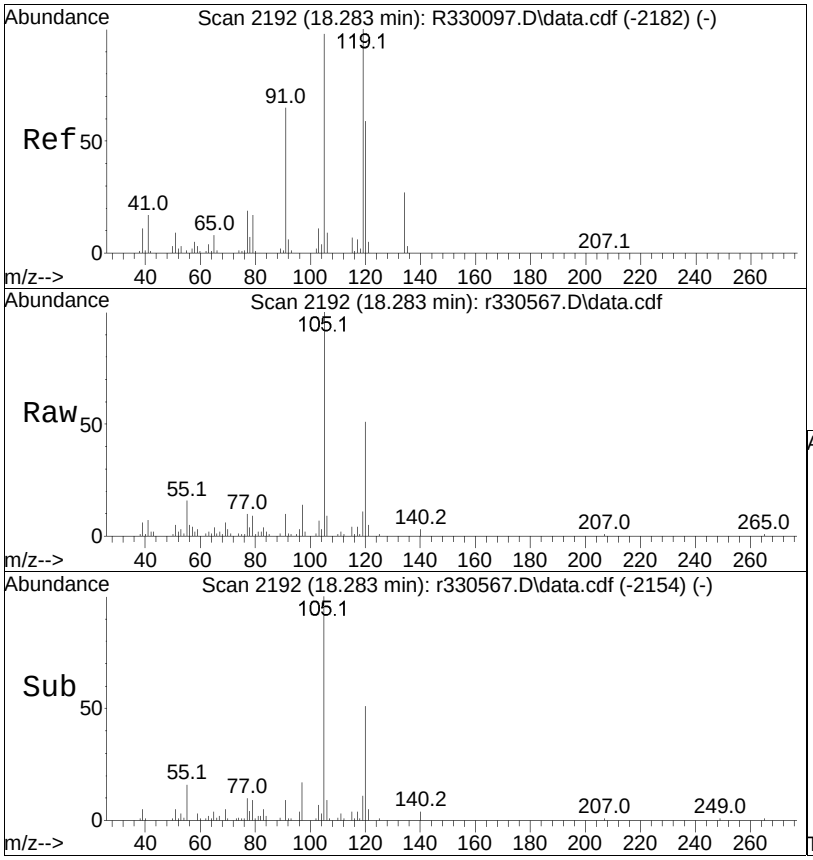


#97
1,3,5-trimethylbenzene
Concen: 0.24 ppbV
RT: 17.942 min Scan# 2153
Delta R.T. 0.000 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion:105 Resp: 37385

Ion	Ratio	Lower	Upper
105	100		
120	52.7	43.1	64.7
91	10.2	6.8	10.2

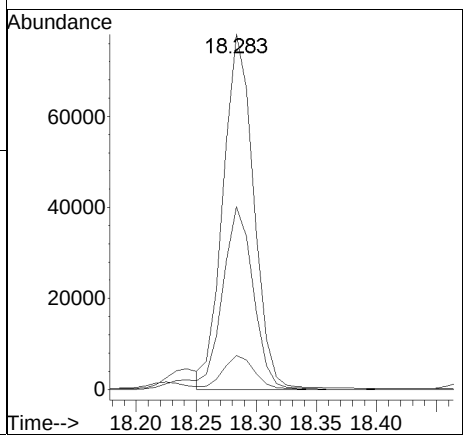


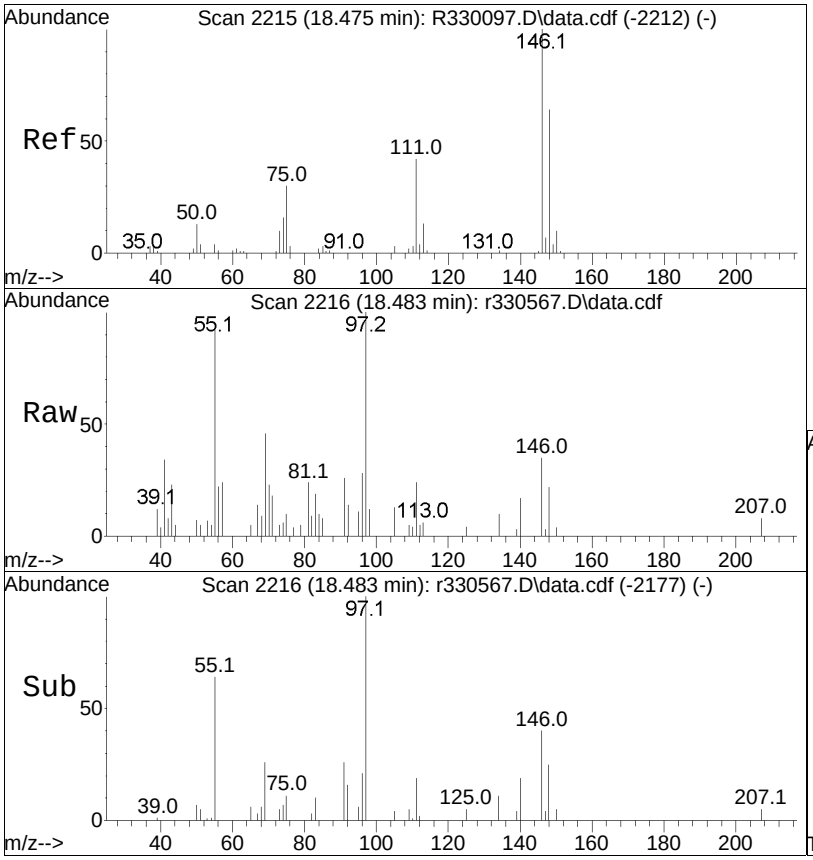


#99
1,2,4-trimethylbenzene
Concen: 0.93 ppbV m
RT: 18.283 min Scan# 2192
Delta R.T. 0.000 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion:105 Resp: 139366

Ion	Ratio	Lower	Upper
105	100		
120	51.4	47.8	71.8
91	9.6	53.4	80.0#

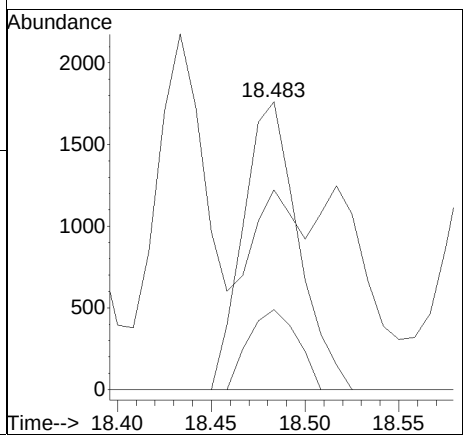


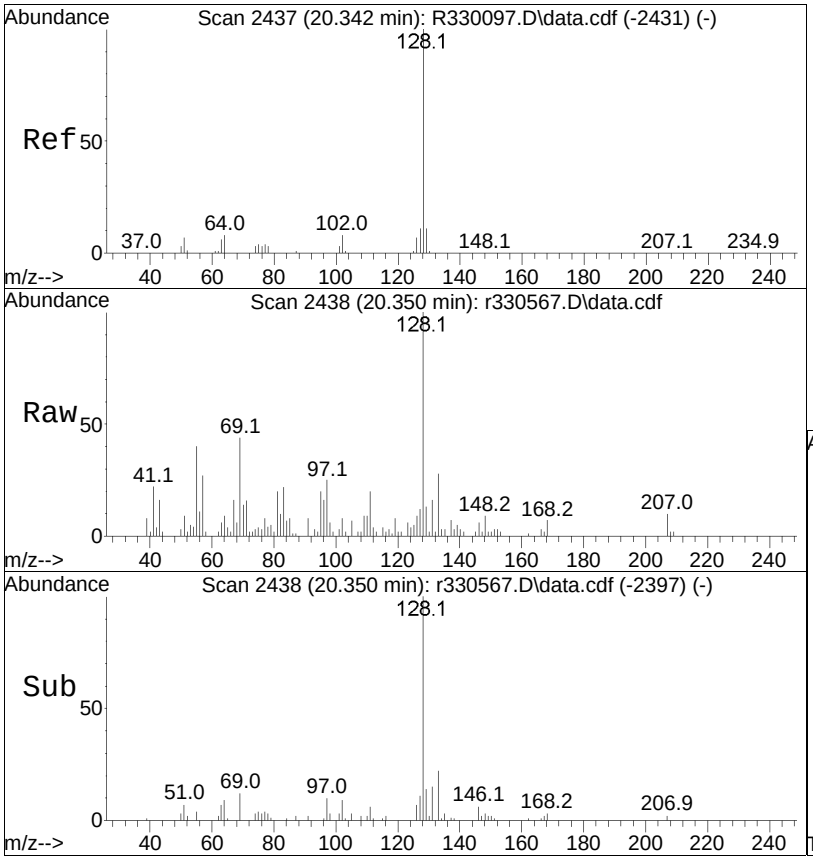


#103
1,4-dichlorobenzene
Concen: 0.04 ppbV
RT: 18.483 min Scan# 2216
Delta R.T. 0.008 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion:146 Resp: 3596

Ion	Ratio	Lower	Upper
146	100		
111	69.4	33.4	50.0#
75	27.8	23.6	35.4

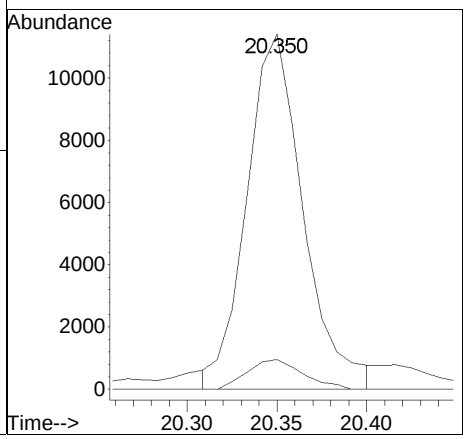




#116
naphthalene
Concen: 0.13 ppbV m
RT: 20.350 min Scan# 2438
Delta R.T. 0.008 min
Lab File: r330567.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion:128 Resp: 24984

Ion	Ratio	Lower	Upper
128	100		
102	8.4	6.3	9.5

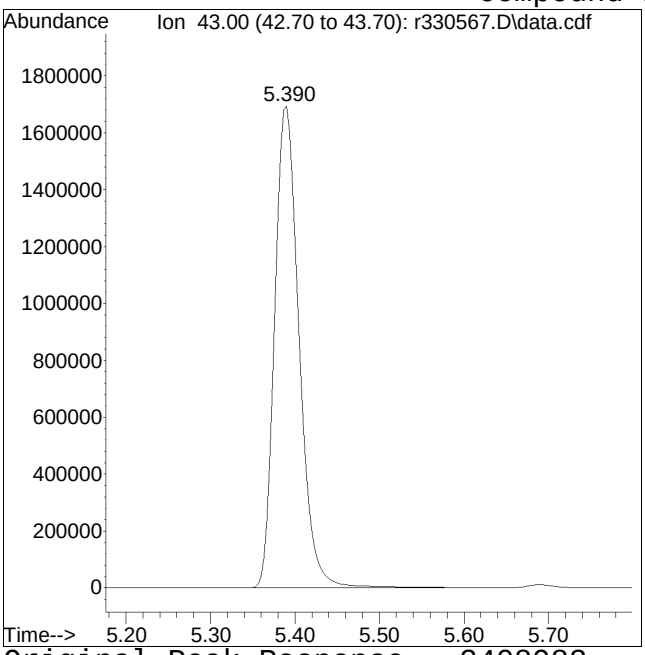


Manual Integration Report

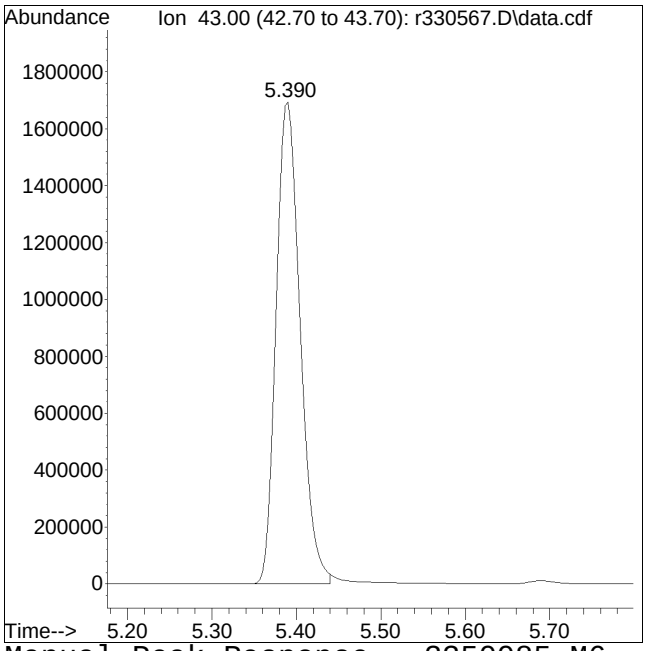
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330567.D
Date Inj'd : 4/23/2020 0:8: 8
Sample : L2419731-01,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:09 am

Compound #19: acetone



Original Peak Response = 3408983



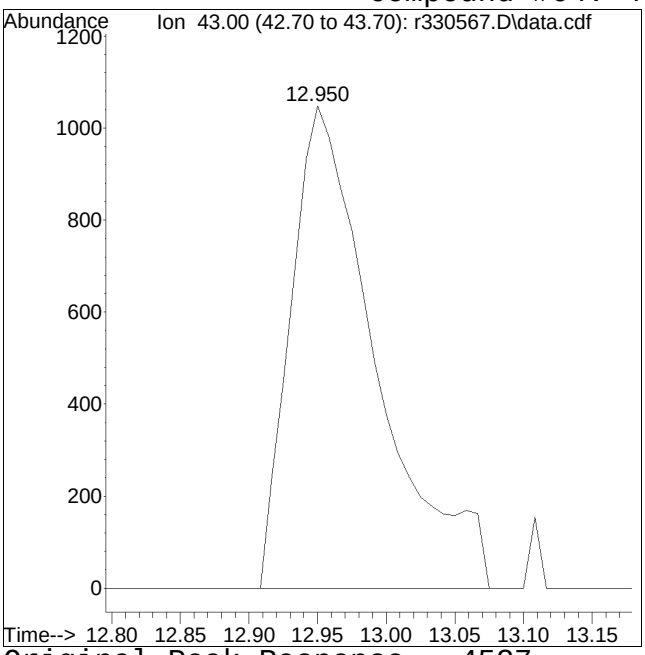
Manual Peak Response = 3350085 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

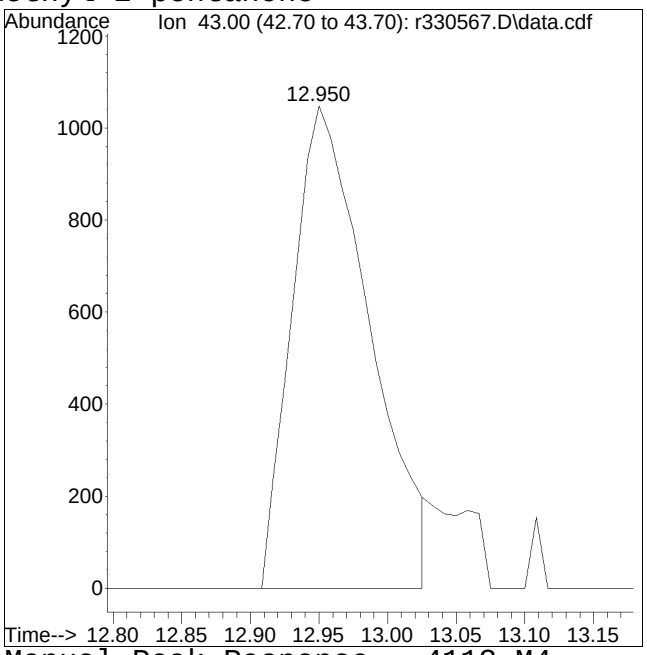
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : r330567.D Operator : AIRPIANO3:JMB
Date Inj'd : 4/23/2020 0:8: 8 Instrument :
Sample : L2419731-01,3,250,250 Quant Date : 4/24/2024 7:09 am

Compound #64: 4-methyl-2-pentanone



Original Peak Response = 4527



Manual Peak Response = 4113 M4

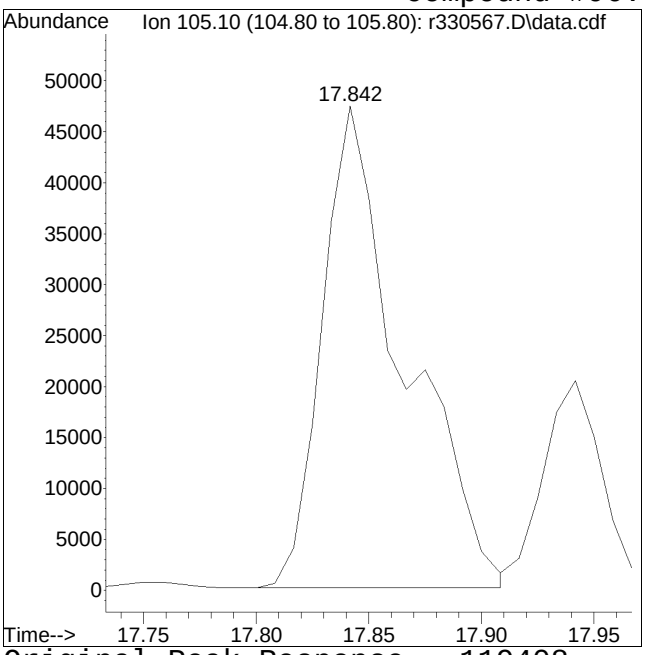
M4 = Poor automated baseline construction.

Manual Integration Report

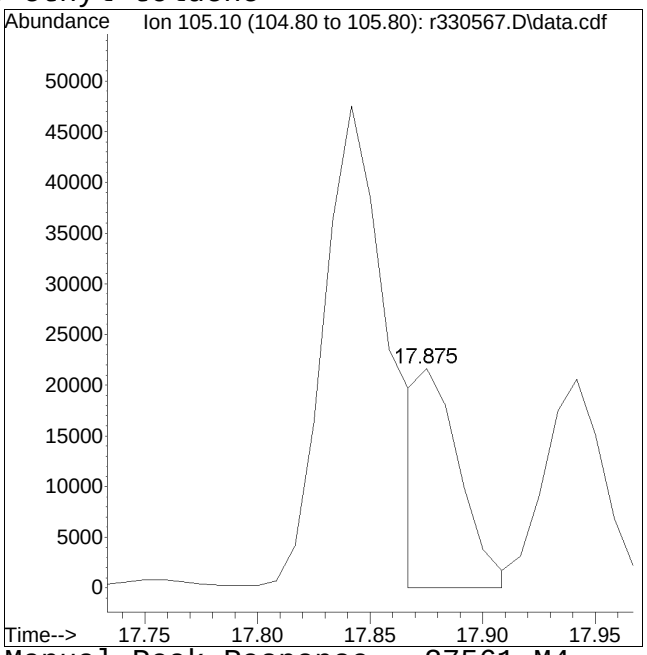
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330567.D
Date Inj'd : 4/23/2020 0:8: 8
Sample : L2419731-01,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:09 am

Compound #96: 4-ethyl toluene



Original Peak Response = 119408



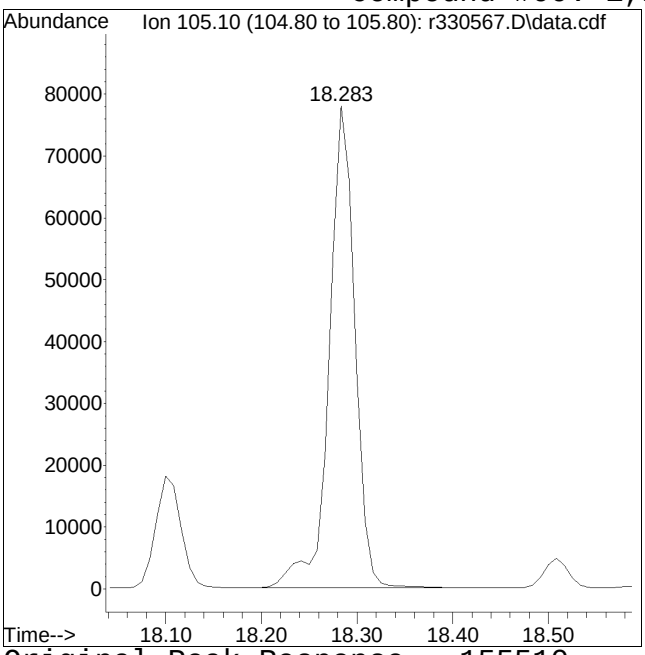
Manual Peak Response = 27561 M4

M4 = Poor automated baseline construction.

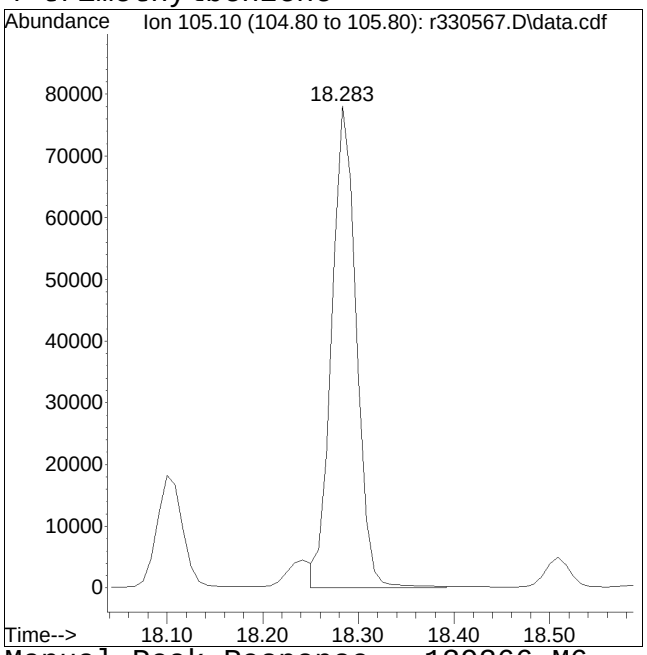
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : r330567.D Operator : AIRPIANO3:JMB
Date Inj'd : 4/23/2020 0:8: 8 Instrument :
Sample : L2419731-01,3,250,250 Quant Date : 4/24/2024 7:09 am

Compound #99: 1,2,4-trimethylbenzene



Original Peak Response = 155510



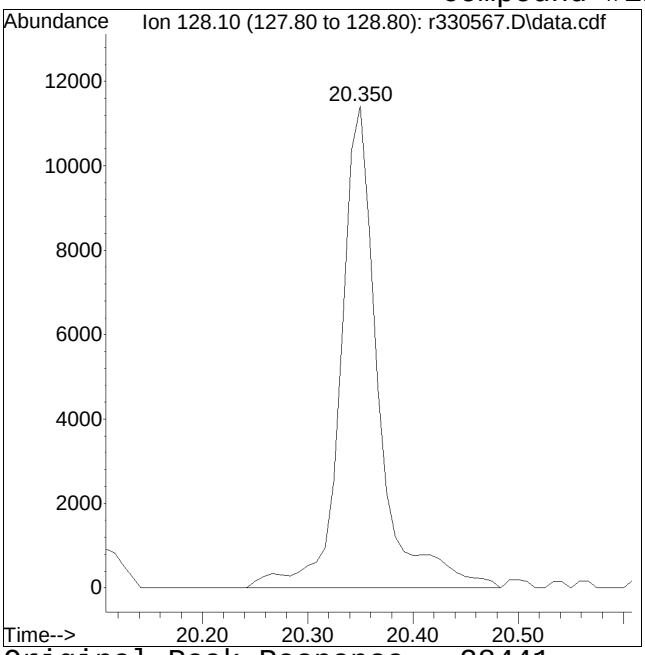
Manual Peak Response = 139366 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

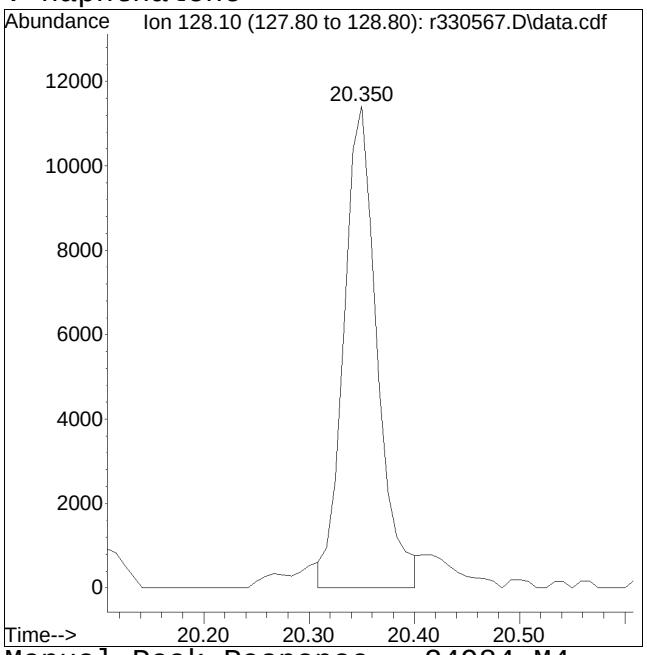
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : r330567.D Operator : AIRPIANO3:JMB
Date Inj'd : 4/23/2020 0:8: 8 Instrument :
Sample : L2419731-01,3,250,250 Quant Date : 4/24/2024 7:09 am

Compound #116: naphthalene



Original Peak Response = 28441



Manual Peak Response = 24984 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330568.D
Acq On : 23 Apr 2024 9:08 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-02,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:10:20 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423T\r330561.D
Sub List : TO15-NY+NAPH-7-SIM - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.817	49	354359	10.000	ppbV	0.00
Standard Area = 361003			Recovery = 98.16%			
43) 1,4-difluorobenzene	11.053	114	1145867	10.000	ppbV	0.00
Standard Area = 1163384			Recovery = 98.49%			
67) chlorobenzene-D5	15.817	54	170227	10.000	ppbV	0.00
Standard Area = 169079			Recovery = 100.68%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.798	85	17054	0.442	ppbV	96
6) chloromethane	3.954	50	9334	0.483	ppbV	95
7) Freon-114	4.056		0	N.D.		
10) 1,3-butadiene	4.314	54	994	0.059	ppbV	95
13) bromomethane	4.584		0	N.D.		
14) chloroethane	4.770		0	N.D.		
15) ethanol	4.890	31	384640	31.733	ppbV #	78
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.390	43	3073529M6	79.694	ppbV	
21) trichlorofluoromethane	5.583	101	9835	0.250	ppbV	98
22) isopropyl alcohol	5.683	45	148528	2.889	ppbV #	96
27) tertiary butyl alcohol	6.352	59	7114M6	0.139	ppbV	
28) methylene chloride	6.418	49	6200	0.219	ppbV	99
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	6.712	76	7080	0.080	ppbV #	71
31) Freon 113	6.712	101	3734	0.081	ppbV	96
32) trans-1,2-dichloroethene	0.000		0	N.D.		
33) 1,1-dichloroethane	7.683		0	N.D.		
34) MTBE	7.742		0	N.D.		
36) 2-butanone	8.142	43	96006	1.456	ppbV #	96
38) Ethyl Acetate	8.917	61	6249	0.633	ppbV #	37
39) chloroform	8.975	83	6764	0.155	ppbV	95
40) Tetrahydrofuran	9.425	42	100147	2.352	ppbV	95
42) 1,2-dichloroethane	9.817		0	N.D.		
44) hexane	8.892	57	77140	1.795	ppbV #	1
50) benzene	10.627	78	26801	0.276	ppbV #	90
53) cyclohexane	10.940	56	8918	0.195	ppbV #	83
56) 1,2-dichloropropane	0.000		0	N.D.		

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330568.D
Acq On : 23 Apr 2024 9:08 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-02,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:10:20 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423T\r330561.D
Sub List : TO15-NY+NAPH-7-SIM - .

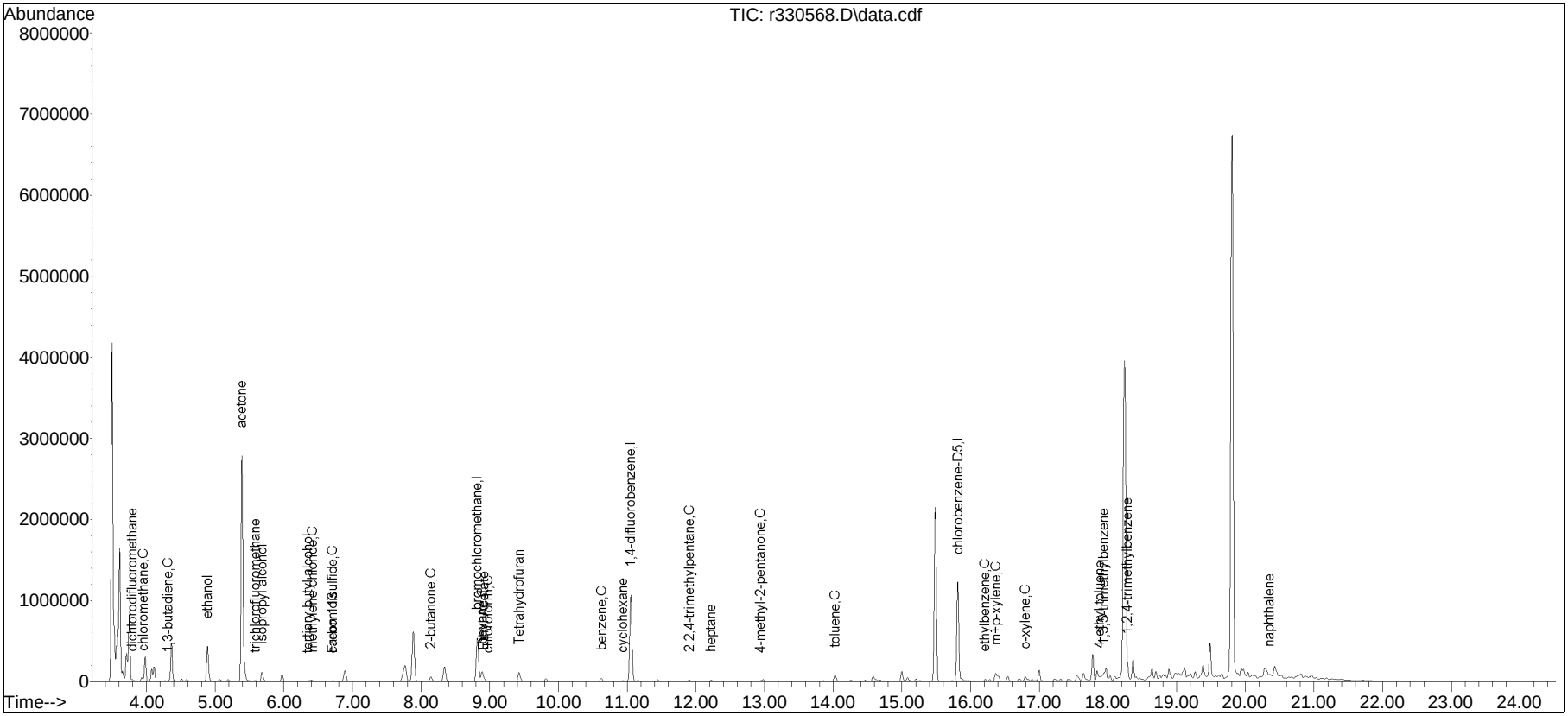
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	11.807		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	11.907	57	23357	0.168	ppbV	95
62) heptane	12.220	43	13171	0.211	ppbV #	85
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.942	43	8656	0.118	ppbV #	86
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	14.025	91	64150	0.529	ppbV	100
72) 2-hexanone	14.383		0	N.D.		
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
80) chlorobenzene	0.000		0	N.D.	d	
81) ethylbenzene	16.208	91	27976	0.184	ppbV	94
83) m+p-xylene	16.367	91	91942	0.752	ppbV	88
84) bromoform	0.000		0	N.D.		
85) styrene	16.708		0	N.D.		
86) 1,1,2,2-tetrachloroethane	16.717		0	N.D.		
87) o-xylene	16.800	91	40049	0.331	ppbV	90
96) 4-ethyl toluene	17.875	105	21419M4	0.119	ppbV	
97) 1,3,5-trimethylbenzene	17.942	105	29608	0.189	ppbV	98
99) 1,2,4-trimethylbenzene	18.283	105	104624M6	0.695	ppbV	
101) Benzyl Chloride	0.000		0	N.D.	d	
102) 1,3-dichlorobenzene	18.475		0	N.D.		
103) 1,4-dichlorobenzene	18.475		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	20.233		0	N.D.		
116) naphthalene	20.350	128	13612M6	0.071	ppbV	
119) hexachlorobutadiene	0.000		0	N.D.		

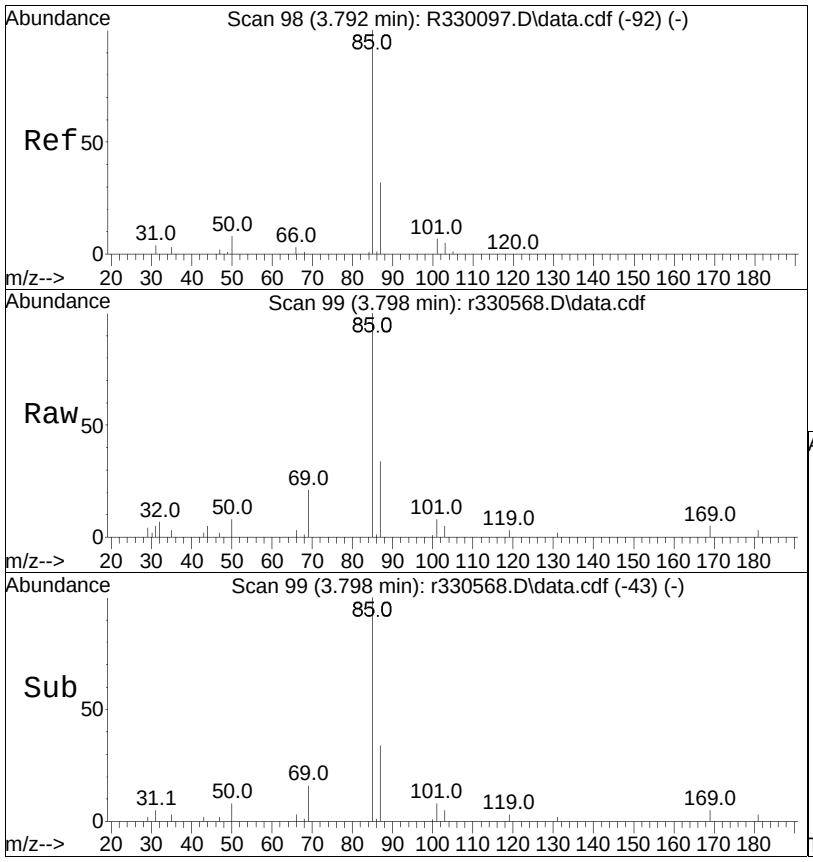
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY+NAPH-7-SIM - .iano3\2024\04\0423T\r330561.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330568.D
Acq On : 23 Apr 2024 9:08 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-02,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:10:20 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

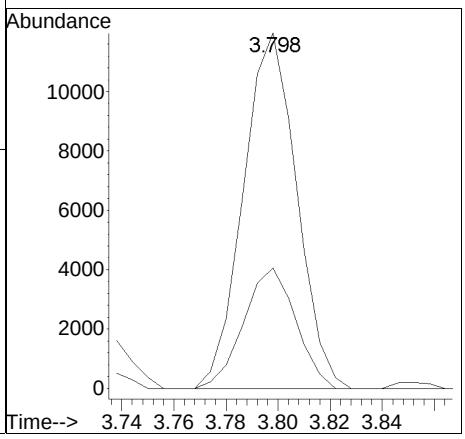


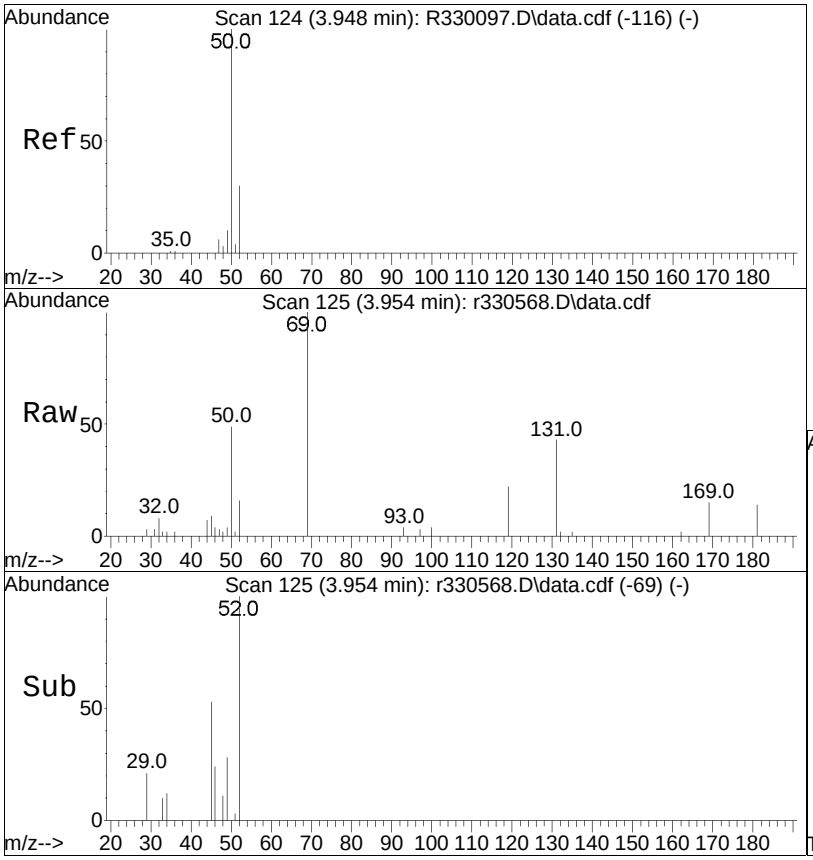


#5
dichlorodifluoromethane
Concen: 0.44 ppbV
RT: 3.798 min Scan# 99
Delta R.T. 0.006 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion: 85 Resp: 17054

Ion	Ratio	Lower	Upper
85	100		
87	33.9	25.4	38.2

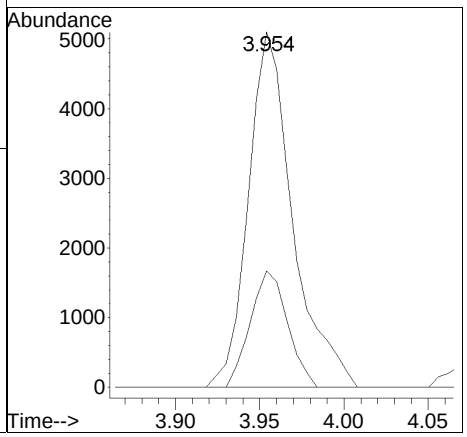


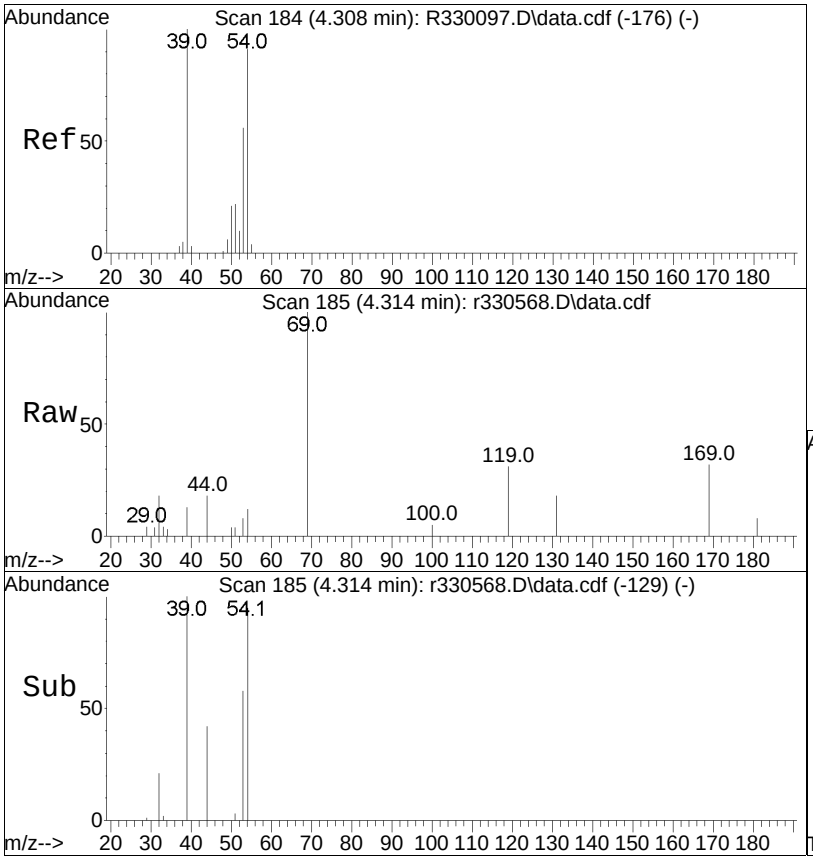


#6
chloromethane
Concen: 0.48 ppbV
RT: 3.954 min Scan# 125
Delta R.T. 0.006 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion: 50 Resp: 9334

Ion	Ratio	Lower	Upper
50	100		
52	32.8	24.0	36.0

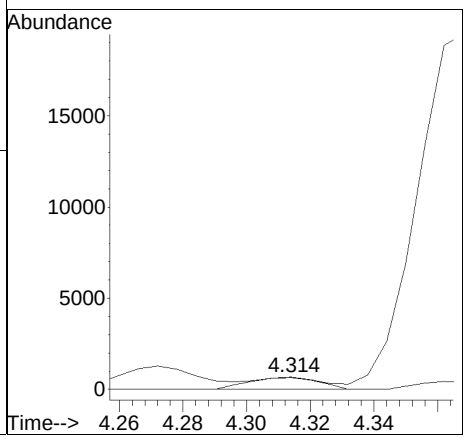


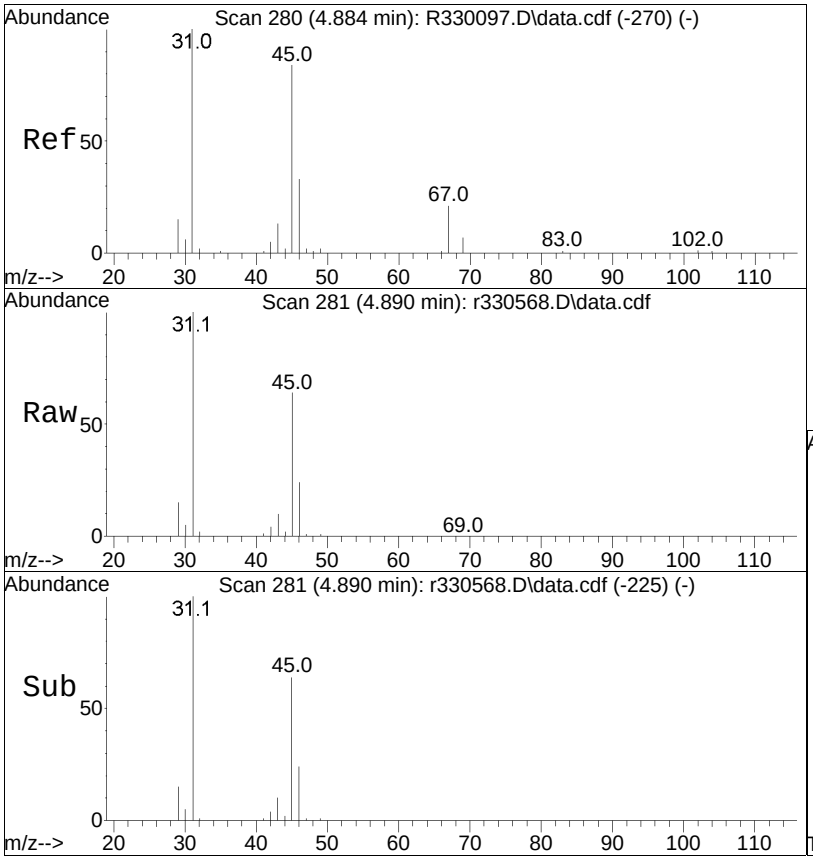


#10
1,3-butadiene
Concen: 0.06 ppbV
RT: 4.314 min Scan# 185
Delta R.T. 0.006 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion: 54 Resp: 994

Ion	Ratio	Lower	Upper
54	100		
39	105.0	88.2	132.4

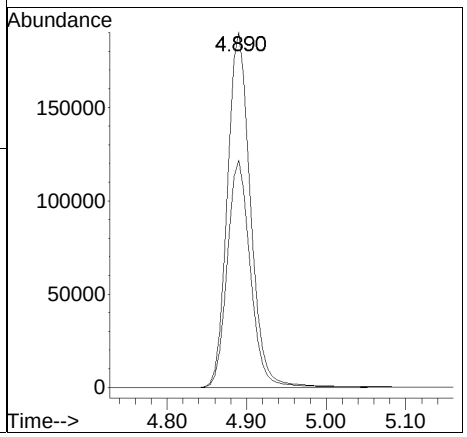


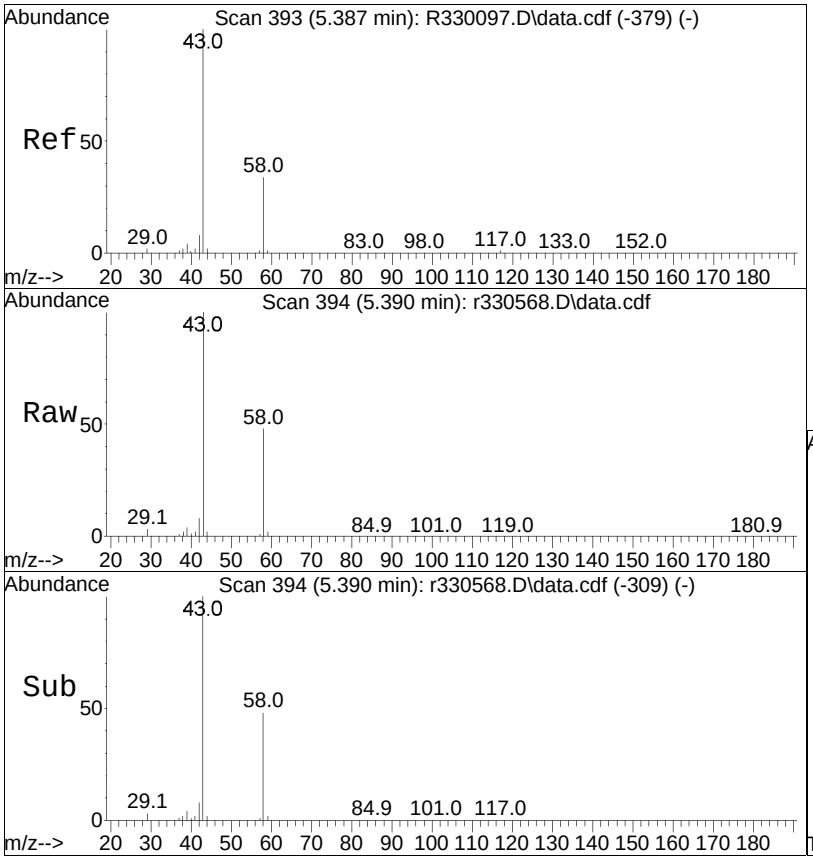


#15
ethanol
Concen: 31.73 ppbV
RT: 4.890 min Scan# 281
Delta R.T. 0.006 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion: 31 Resp: 384640

Ion	Ratio	Lower	Upper
31	100		
45	64.0	67.5	101.3#

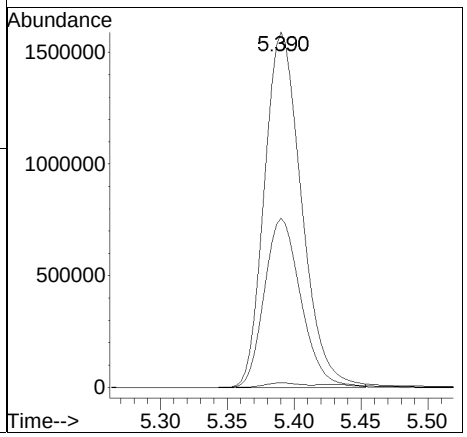


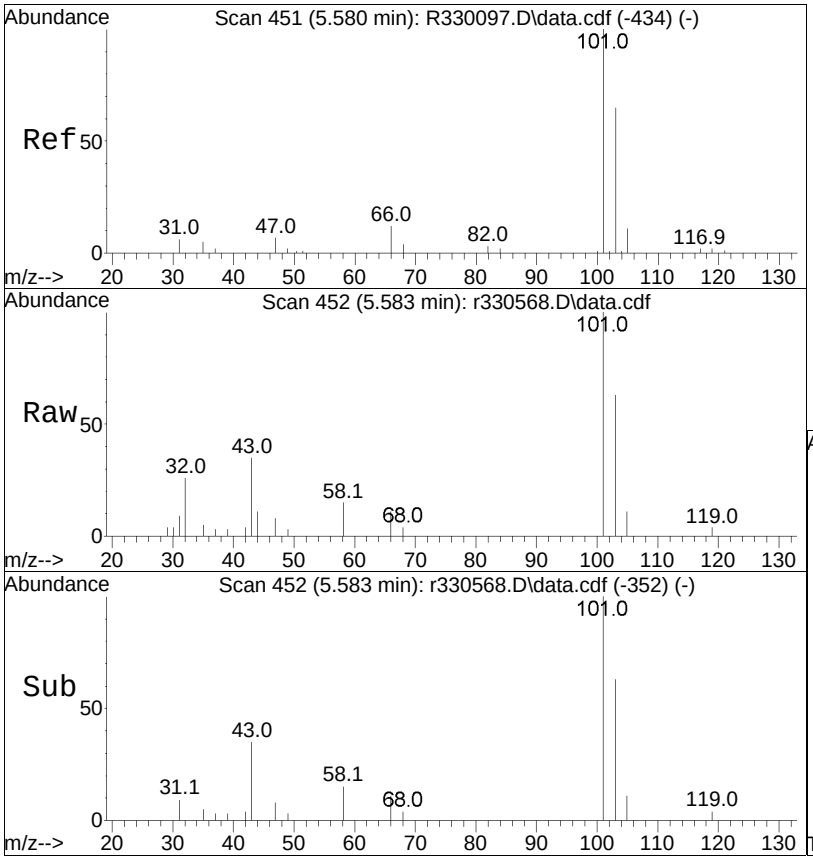


#19
acetone
Concen: 79.69 ppbV m
RT: 5.390 min Scan# 394
Delta R.T. 0.003 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion: 43 Resp: 3073529

Ion	Ratio	Lower	Upper
43	100		
58	47.6	27.3	40.9#
57	1.3	0.8	1.2#

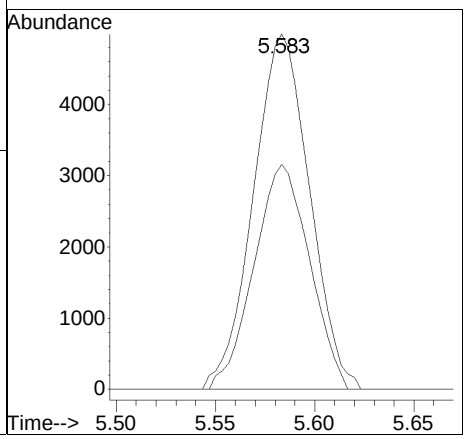


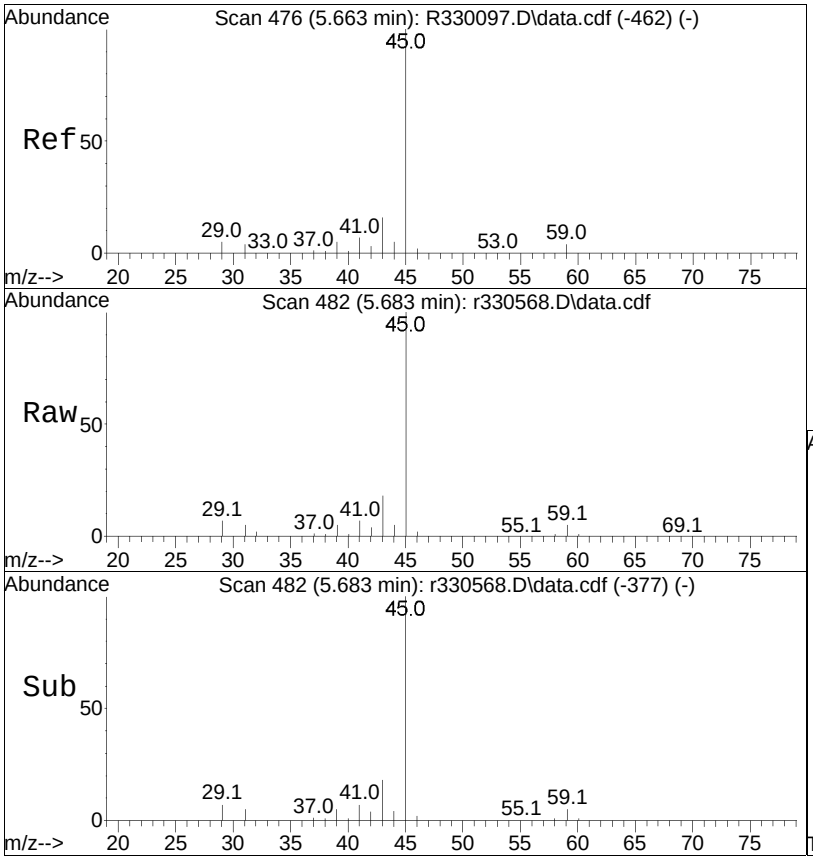


#21
trichlorofluoromethane
Concen: 0.25 ppbV
RT: 5.583 min Scan# 452
Delta R.T. 0.003 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion:101 Resp: 9835

Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.0	78.0

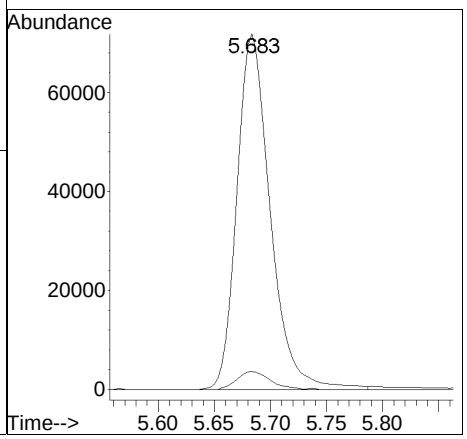


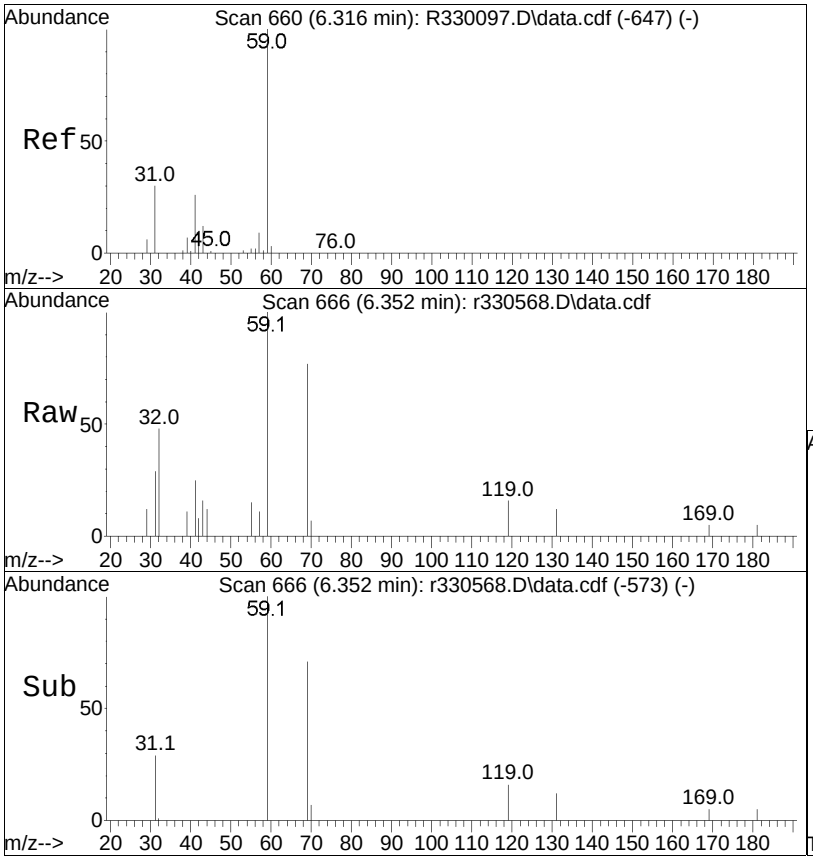


#22
isopropyl alcohol
Concen: 2.89 ppbV
RT: 5.683 min Scan# 482
Delta R.T. 0.020 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion: 45 Resp: 148528

Ion	Ratio	Lower	Upper
45	100		
59	5.1	3.0	4.4#

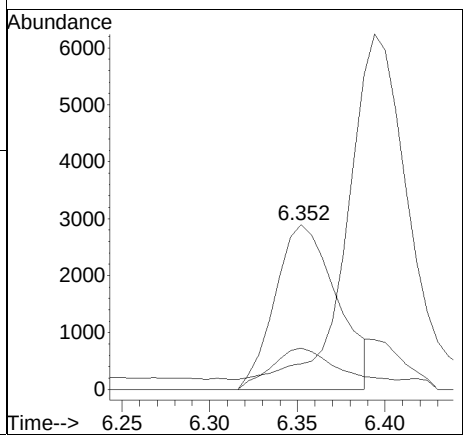


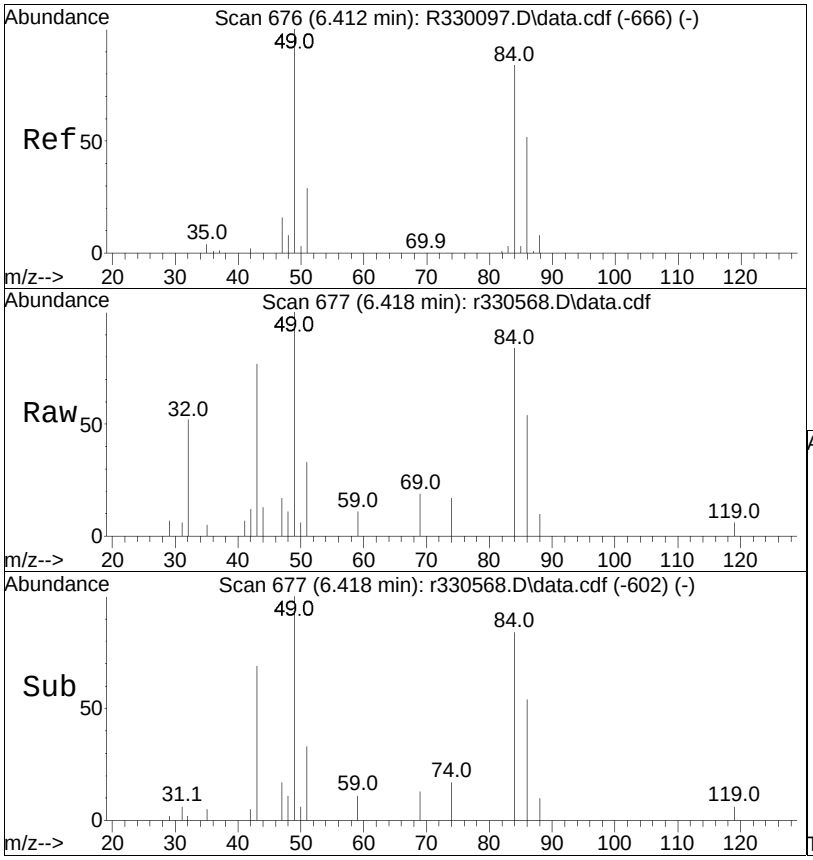


#27
tertiary butyl alcohol
Concen: 0.14 ppbV m
RT: 6.352 min Scan# 666
Delta R.T. 0.036 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion: 59 Resp: 7114

Ion	Ratio	Lower	Upper
59	100		
41	25.1	20.4	30.6
43	15.5	9.4	14.0#

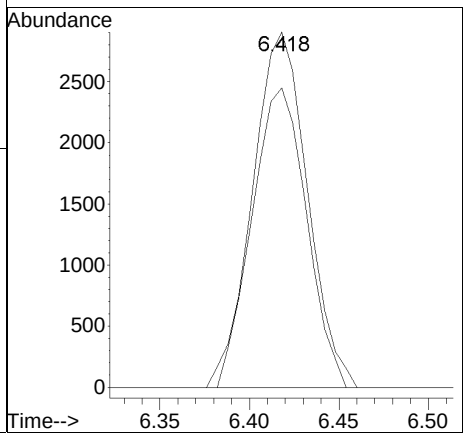


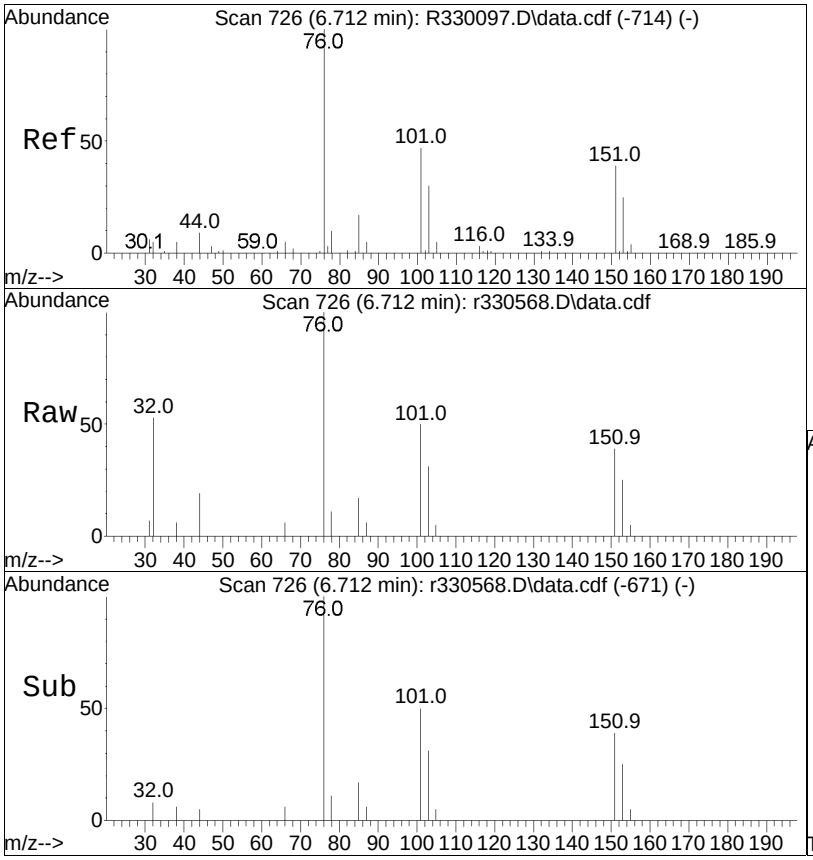


#28
methylene chloride
Concen: 0.22 ppbV
RT: 6.418 min Scan# 677
Delta R.T. 0.006 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion: 49 Resp: 6200

Ion	Ratio	Lower	Upper
49	100		
84	84.3	67.0	100.4

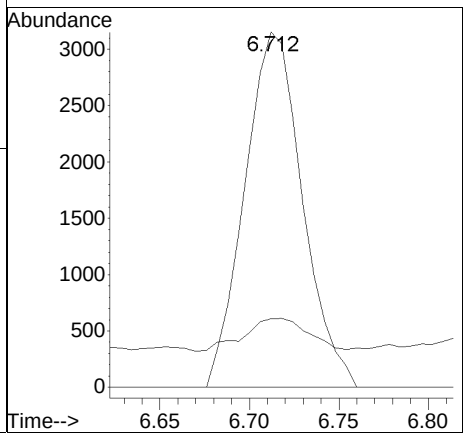


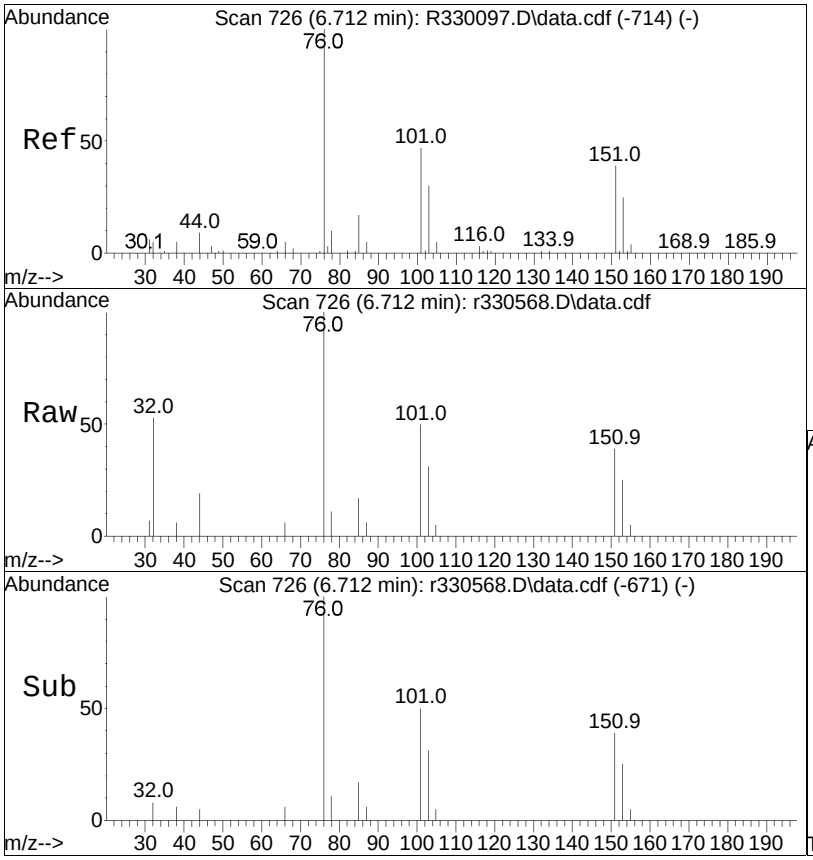


#30
carbon disulfide
Concen: 0.08 ppbV
RT: 6.712 min Scan# 726
Delta R.T. 0.000 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion: 76 Resp: 7080

Ion	Ratio	Lower	Upper
76	100		
44	19.3	7.1	10.7#

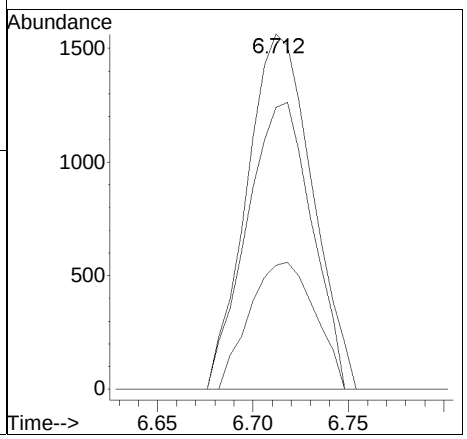


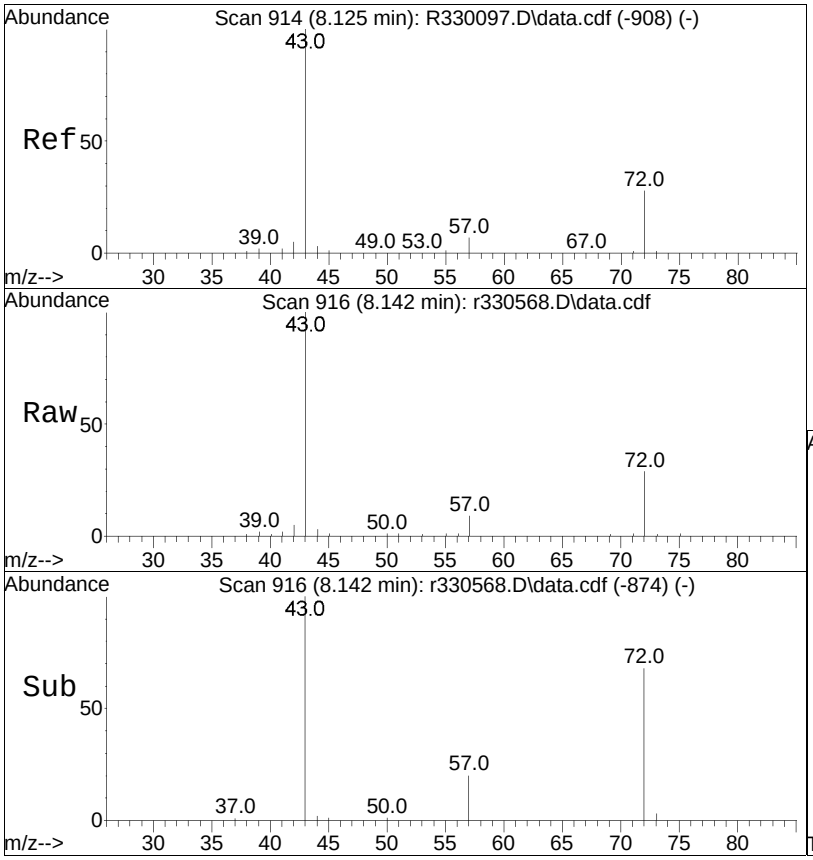


#31
Freon 113
Concen: 0.08 ppbV
RT: 6.712 min Scan# 726
Delta R.T. 0.000 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion:101 Resp: 3734

Ion	Ratio	Lower	Upper
101	100		
85	34.9	28.5	42.7
151	79.3	66.9	100.3

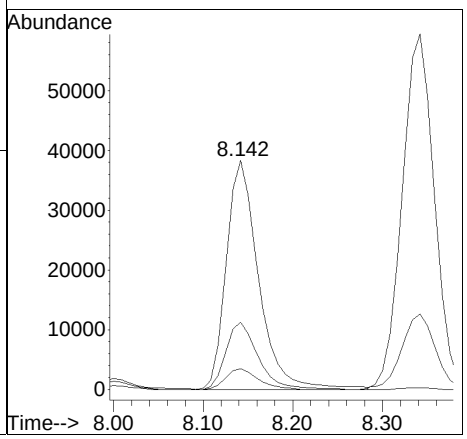


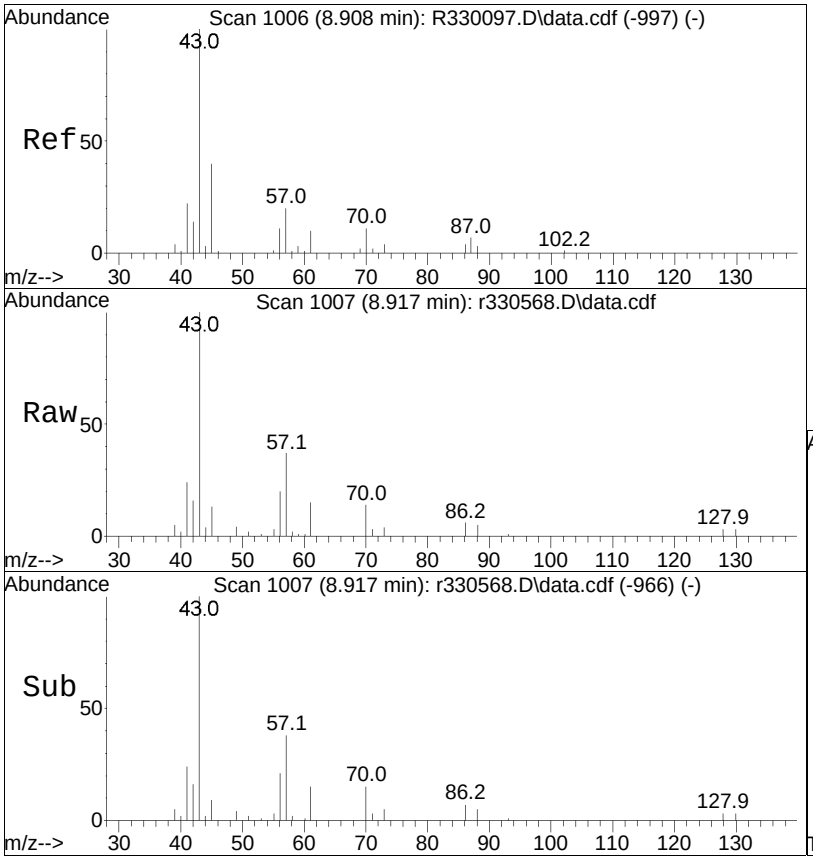


#36
2-butanone
Concen: 1.46 ppbV
RT: 8.142 min Scan# 916
Delta R.T. 0.017 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion: 43 Resp: 96006

Ion	Ratio	Lower	Upper
43	100		
72	29.3	22.1	33.1
57	9.1	5.3	7.9#

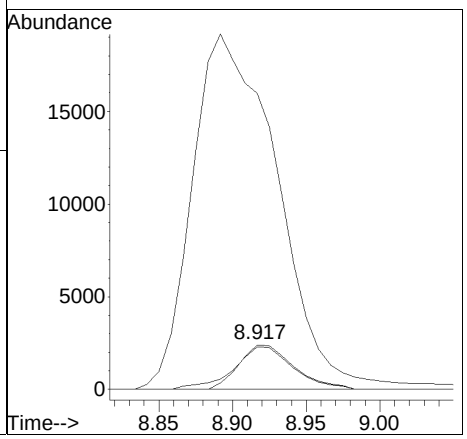


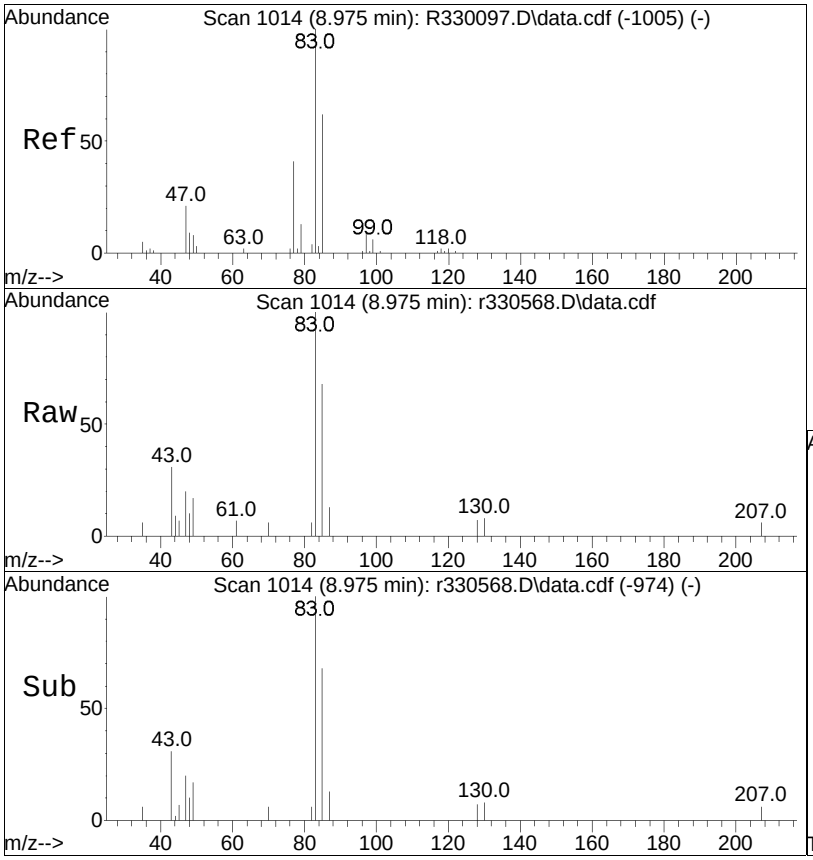


#38
Ethyl Acetate
Concen: 0.63 ppbV
RT: 8.917 min Scan# 1007
Delta R.T. 0.008 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion: 61 Resp: 6249

Ion	Ratio	Lower	Upper
61	100		
70	95.8	87.4	131.0
43	666.4	771.8	1157.6#

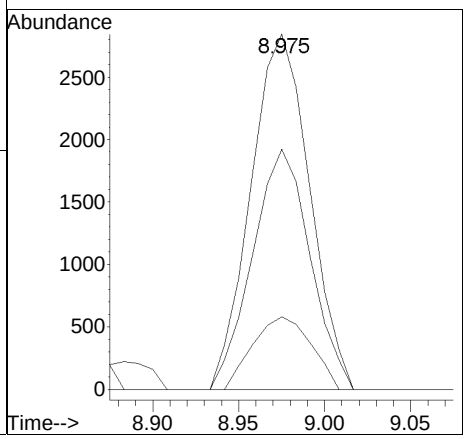


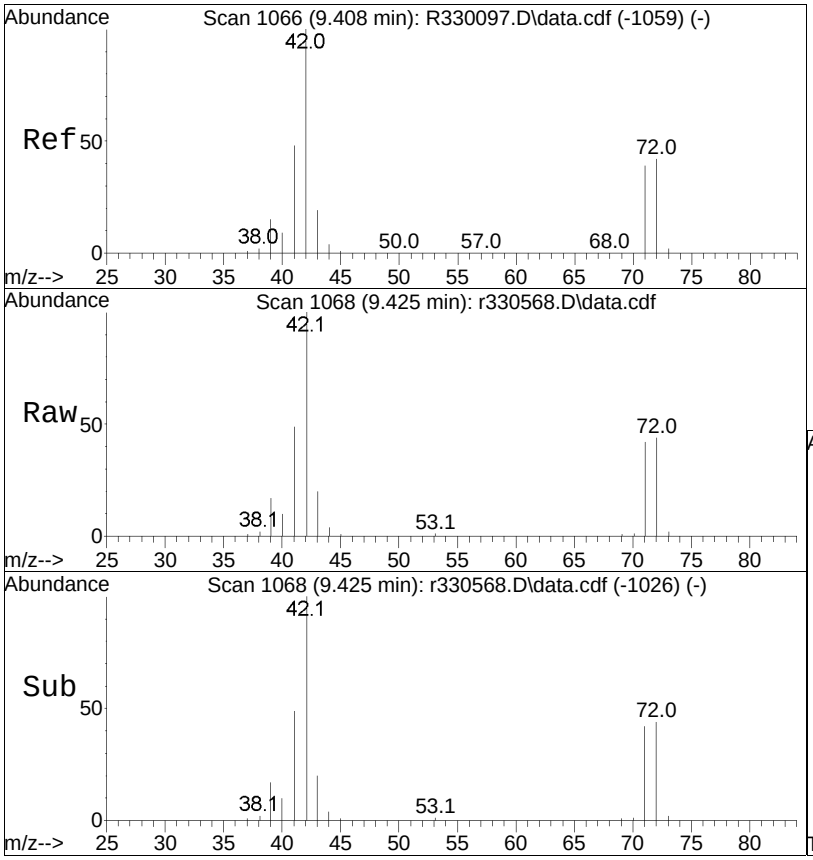


#39
chloroform
Concen: 0.15 ppbV
RT: 8.975 min Scan# 1014
Delta R.T. 0.000 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion: 83 Resp: 6764

Ion	Ratio	Lower	Upper
83	100		
85	67.6	49.8	74.8
47	20.5	16.8	25.2

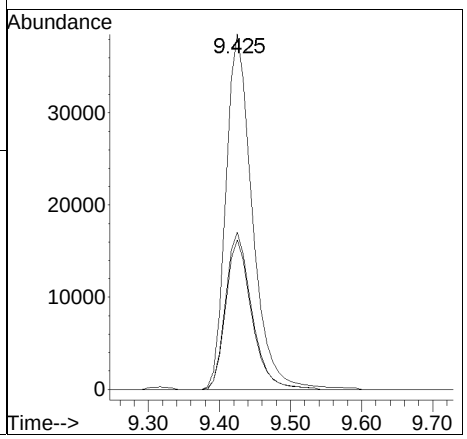


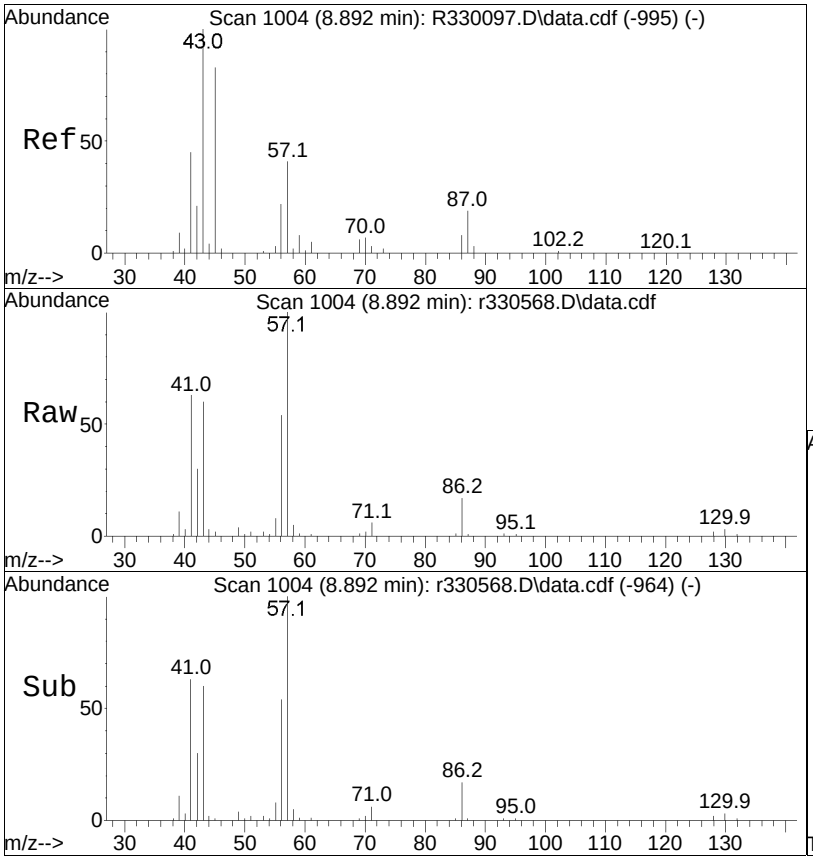


#40
Tetrahydrofuran
Concen: 2.35 ppbV
RT: 9.425 min Scan# 1068
Delta R.T. 0.017 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion: 42 Resp: 100147

Ion	Ratio	Lower	Upper
42	100		
71	42.1	31.0	46.4
72	44.2	33.4	50.2

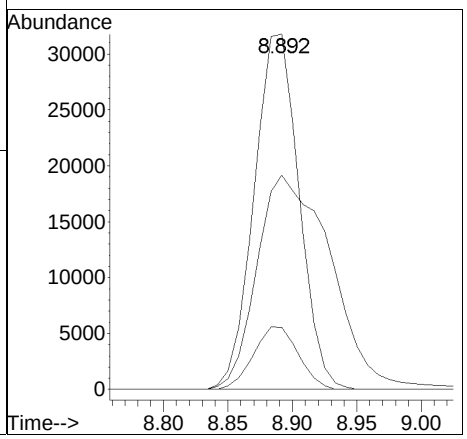


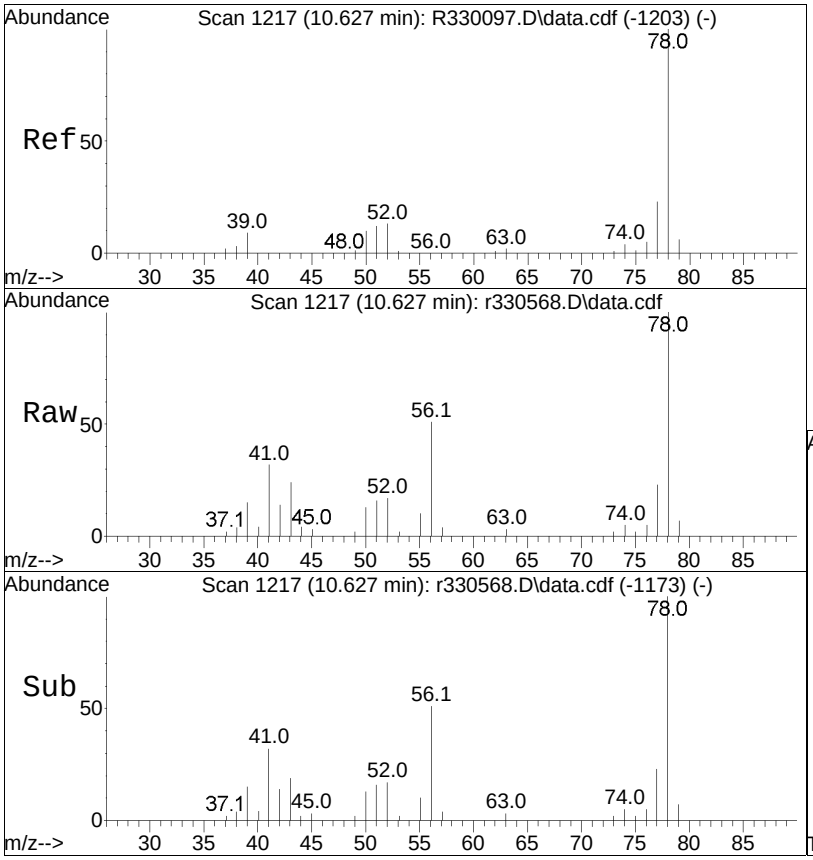


#44
hexane
Concen: 1.79 ppbV
RT: 8.892 min Scan# 1004
Delta R.T. 0.000 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion: 57 Resp: 77140

Ion	Ratio	Lower	Upper
57	100		
43	60.3	196.5	294.7#
86	17.5	15.8	23.6

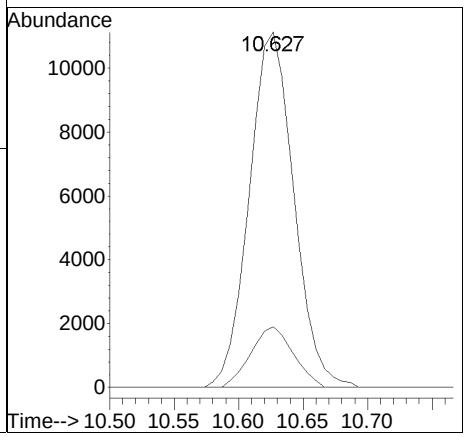


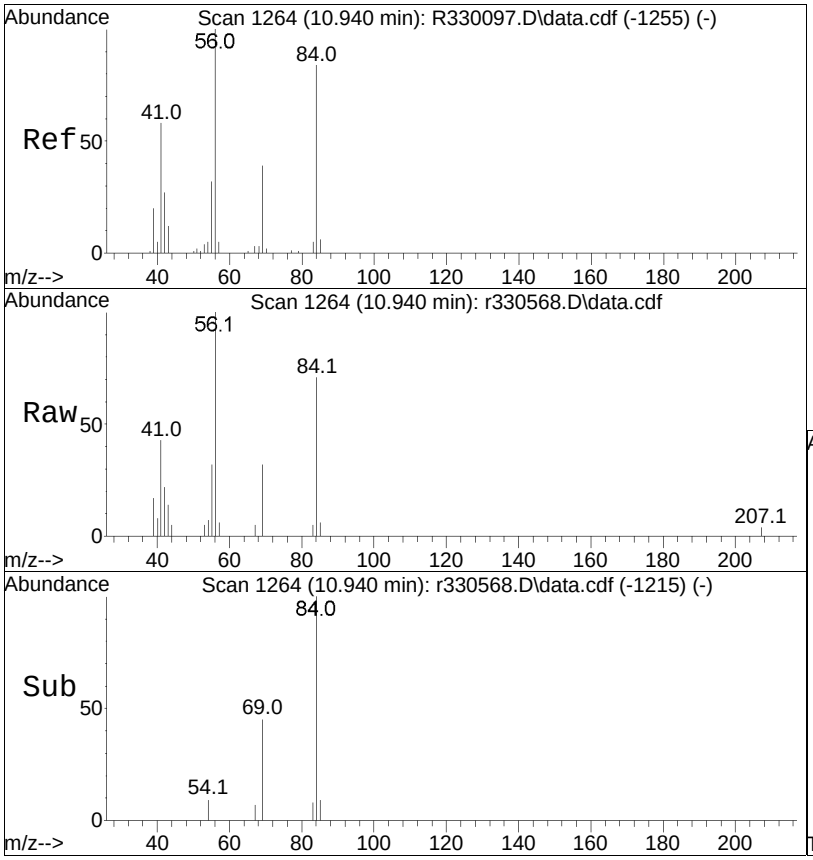


#50
benzene
Concen: 0.28 ppbV
RT: 10.627 min Scan# 1217
Delta R.T. 0.000 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion: 78 Resp: 26801

Ion	Ratio	Lower	Upper
78	100		
52	17.1	10.4	15.6#

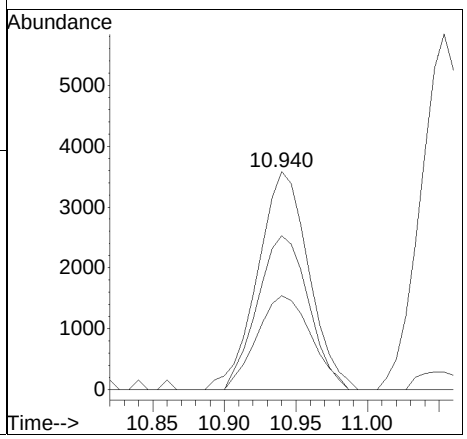


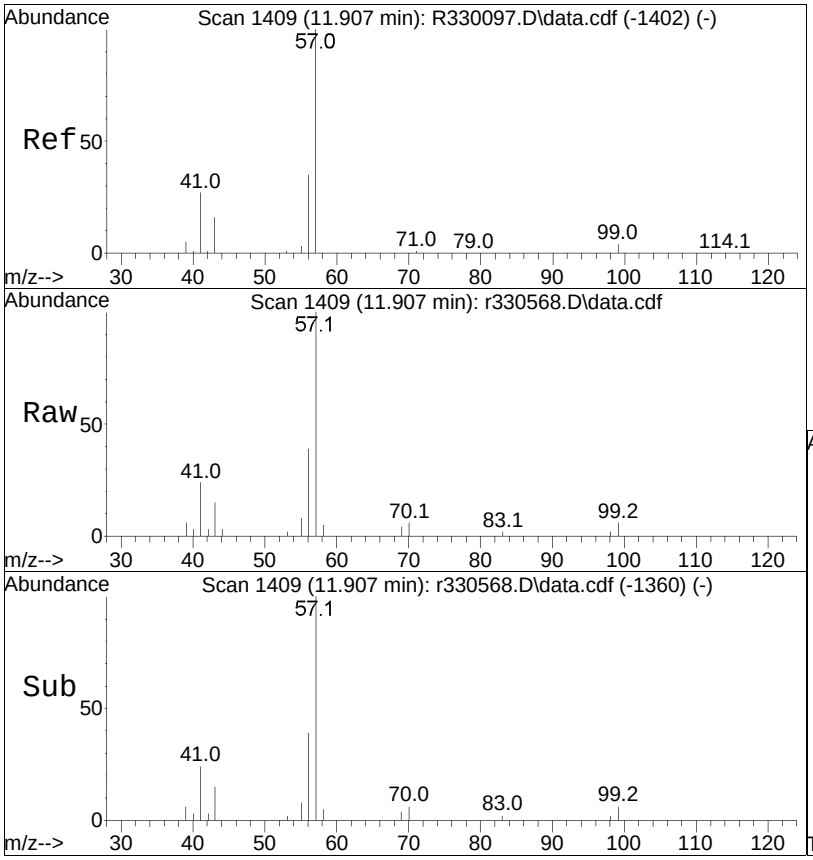


#53
cyclohexane
Concen: 0.20 ppbV
RT: 10.940 min Scan# 1264
Delta R.T. 0.000 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion: 56 Resp: 8918

Ion	Ratio	Lower	Upper
56	100		
84	70.6	67.4	101.2
41	43.0	46.4	69.6#

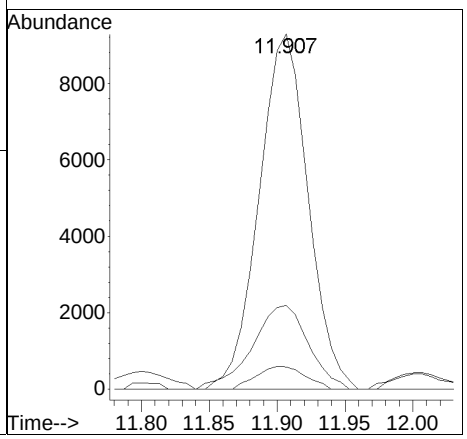


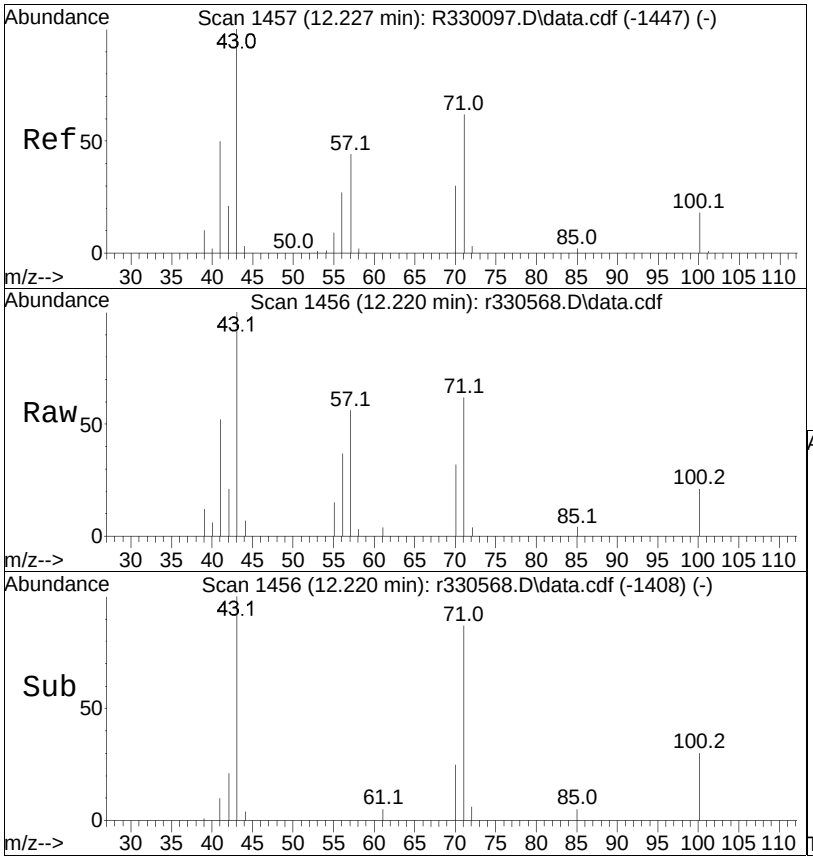


#60
2,2,4-trimethylpentane
Concen: 0.17 ppbV
RT: 11.907 min Scan# 1409
Delta R.T. 0.000 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion: 57 Resp: 23357

Ion	Ratio	Lower	Upper
57	100		
99	6.3	5.3	7.9
41	23.7	21.4	32.0

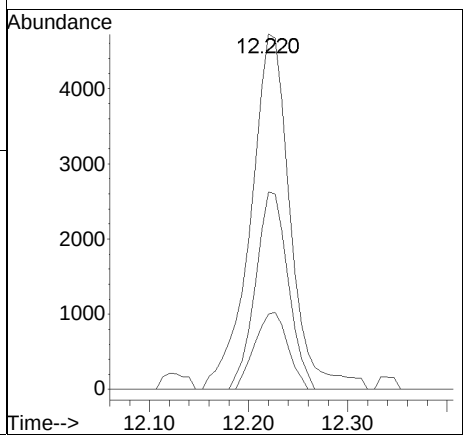


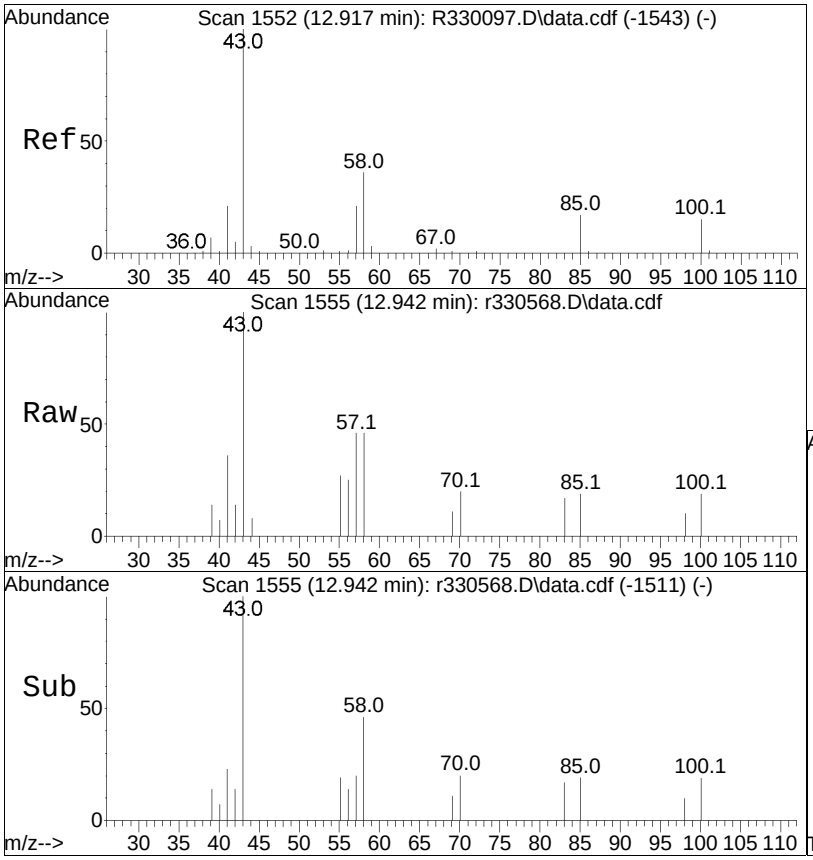


#62
heptane
Concen: 0.21 ppbV
RT: 12.220 min Scan# 1456
Delta R.T. -0.007 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion: 43 Resp: 13171

Ion	Ratio	Lower	Upper
43	100		
57	55.6	34.9	52.3#
100	21.2	14.9	22.3

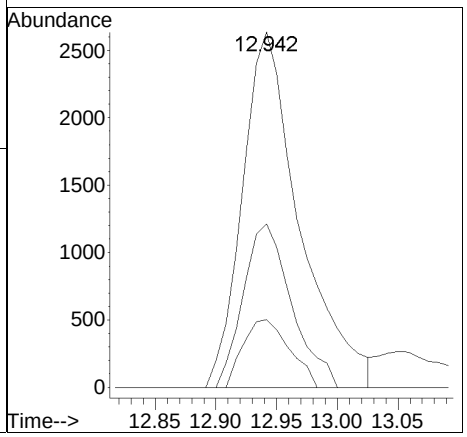


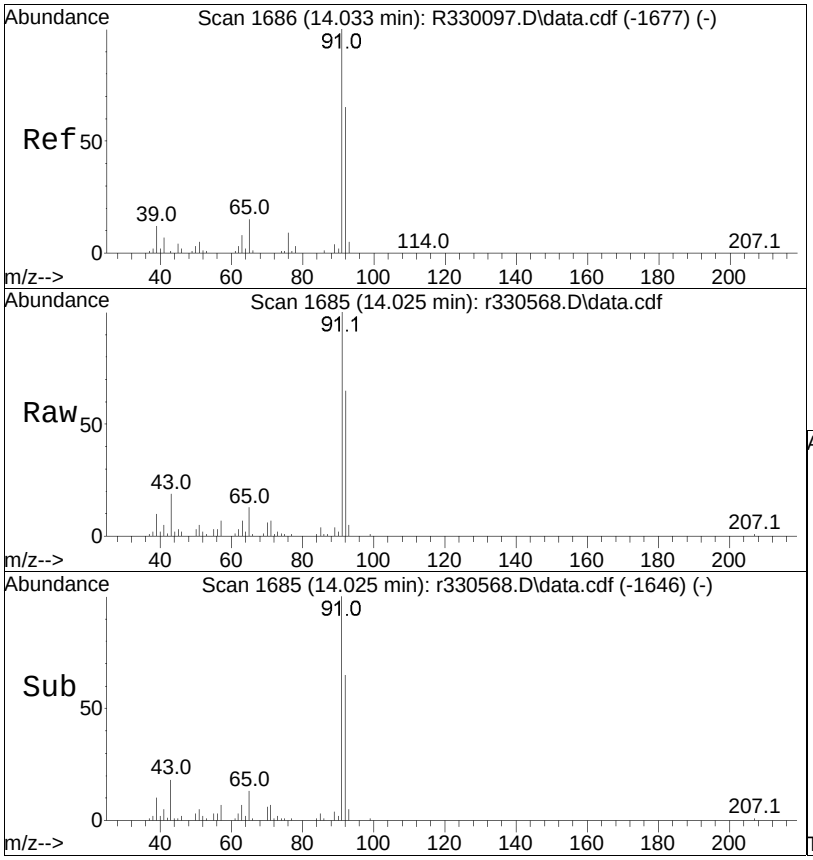


#64
4-methyl-2-pentanone
Concen: 0.12 ppbV
RT: 12.942 min Scan# 1555
Delta R.T. 0.025 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion: 43 Resp: 8656

Ion	Ratio	Lower	Upper
43	100		
58	46.0	29.1	43.7#
100	19.1	12.2	18.4#

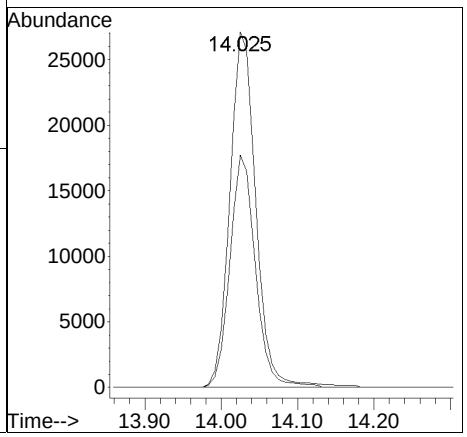


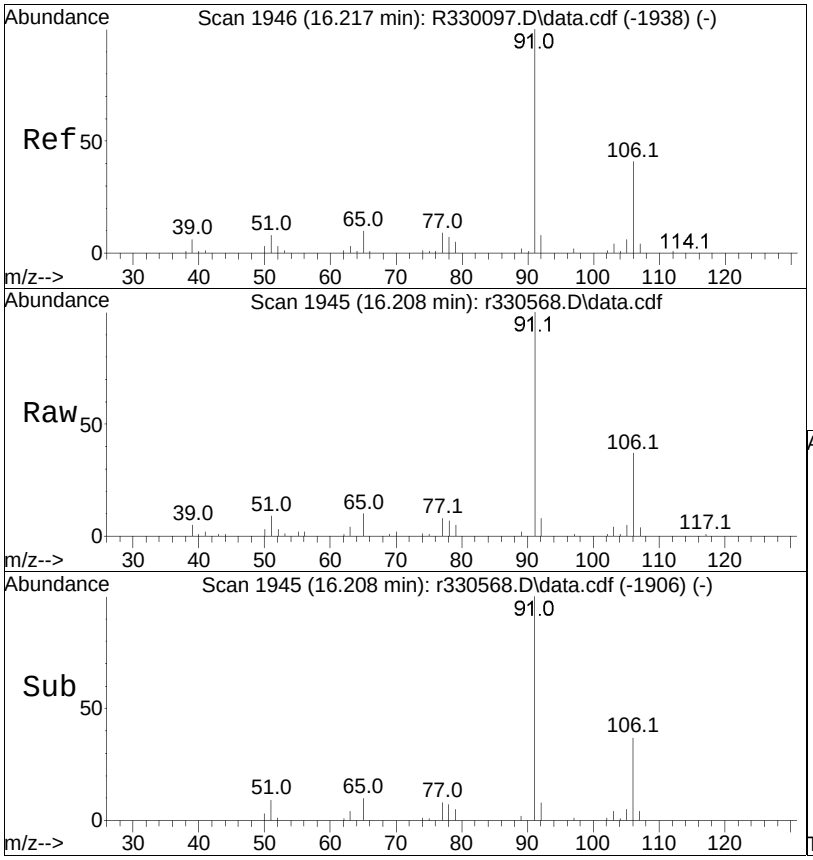


#68
toluene
Concen: 0.53 ppbV
RT: 14.025 min Scan# 1685
Delta R.T. -0.008 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion: 91 Resp: 64150

Ion	Ratio	Lower	Upper
91	100		
92	65.3	52.1	78.1

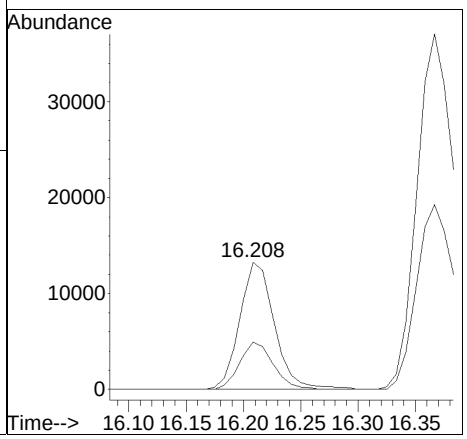


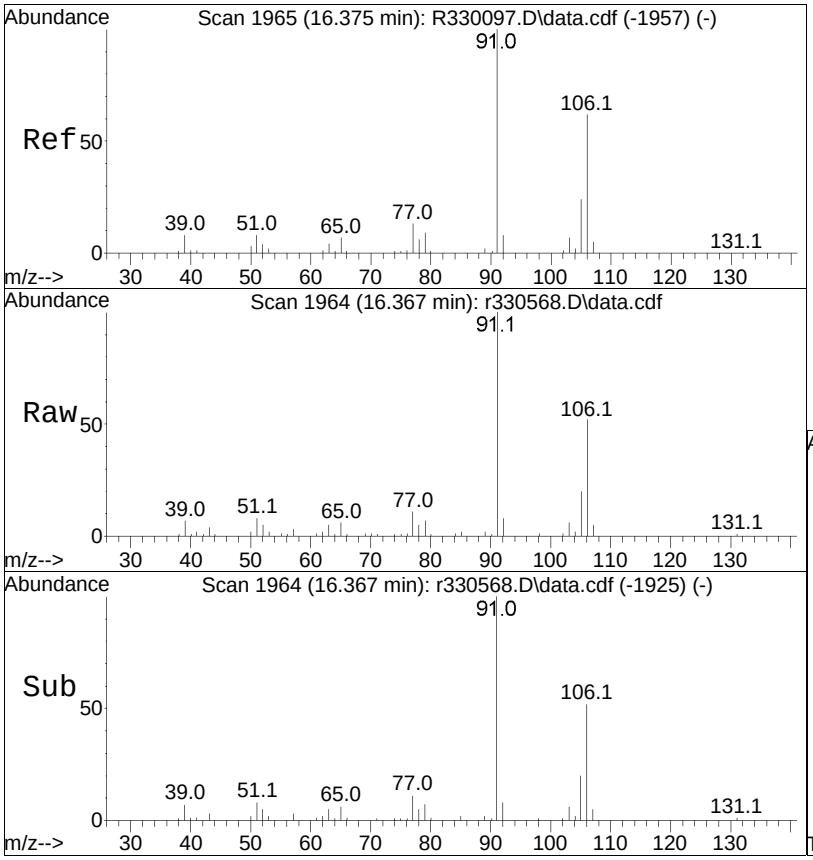


#81
ethylbenzene
Concen: 0.18 ppbV
RT: 16.208 min Scan# 1945
Delta R.T. -0.009 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion: 91 Resp: 27976

Ion	Ratio	Lower	Upper
91	100		
106	37.3	32.6	49.0

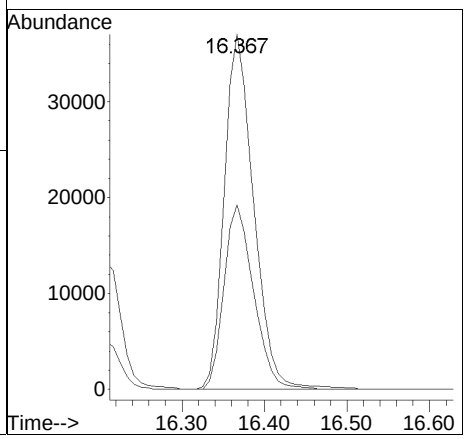


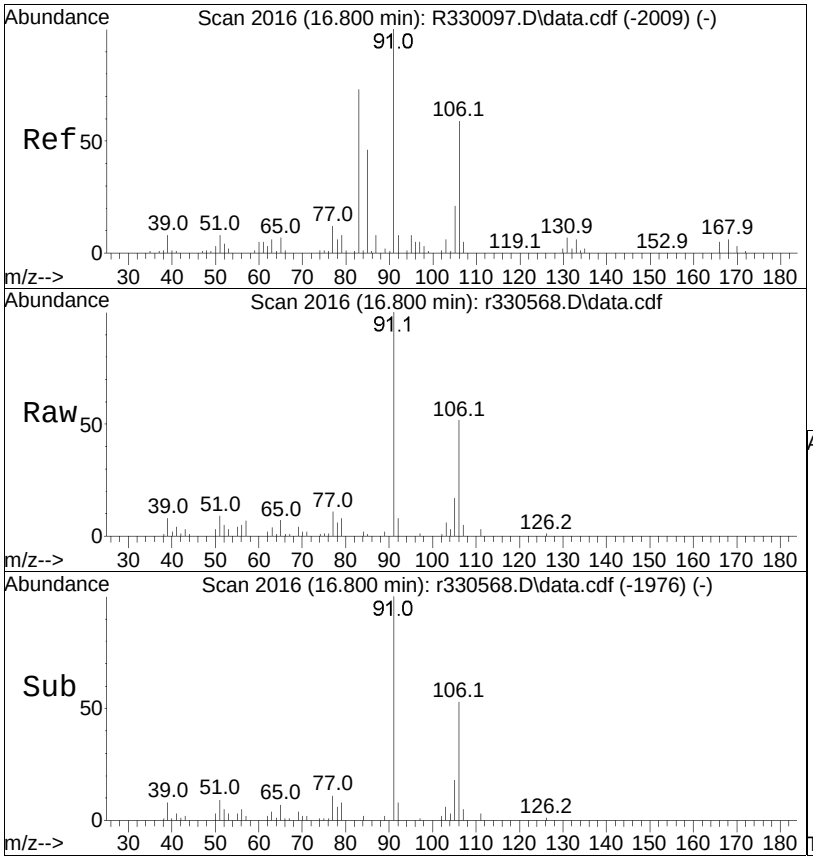


#83
m+p-xylene
Concen: 0.75 ppbV
RT: 16.367 min Scan# 1964
Delta R.T. -0.008 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion: 91 Resp: 91942

Ion	Ratio	Lower	Upper
91	100		
106	52.0	49.2	73.8

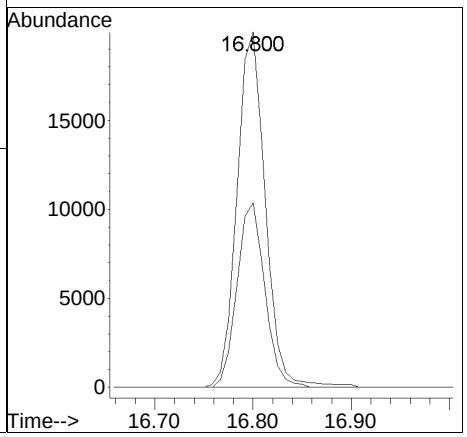


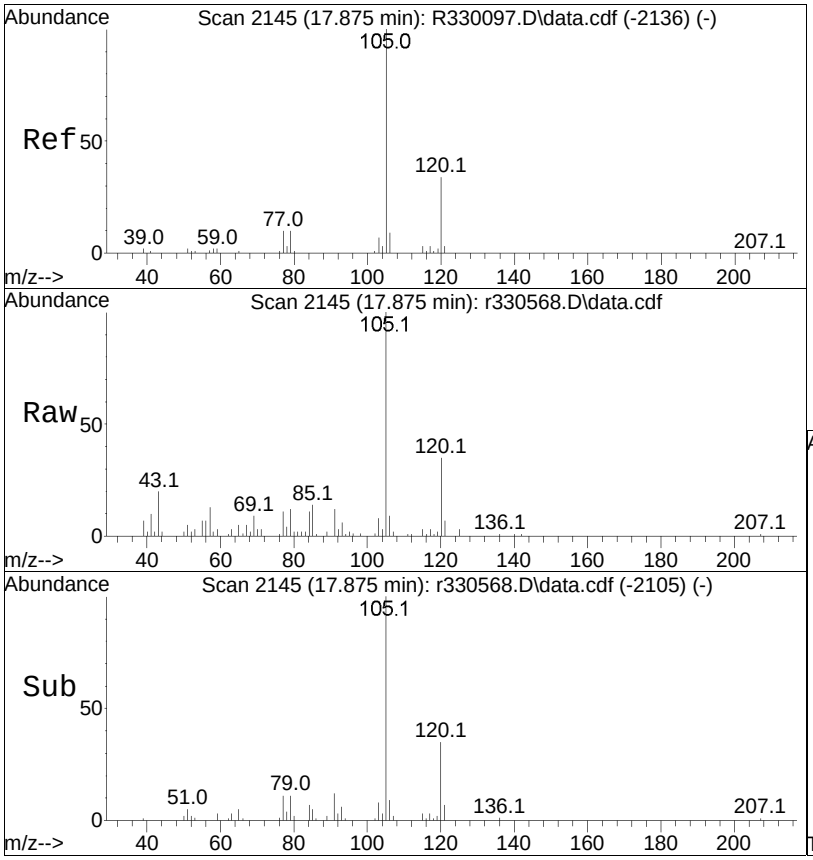


#87
o-xylene
Concen: 0.33 ppbV
RT: 16.800 min Scan# 2016
Delta R.T. 0.000 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion: 91 Resp: 40049

Ion	Ratio	Lower	Upper
91	100		
106	52.0	47.5	71.3

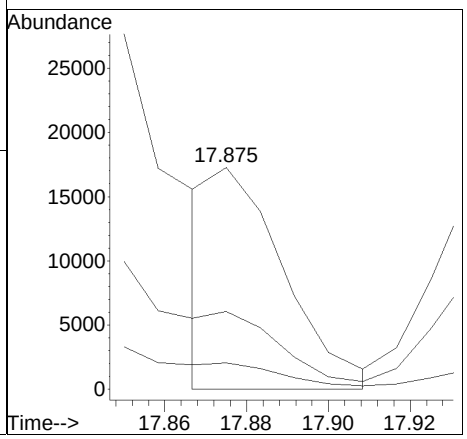


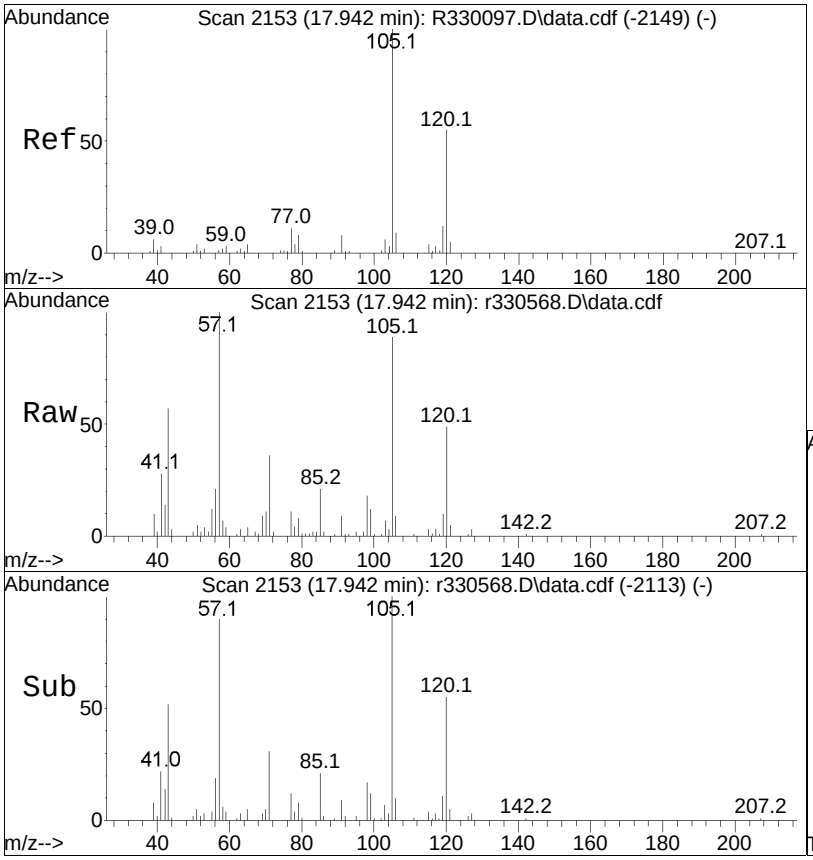


#96
4-ethyl toluene
Concen: 0.12 ppbV m
RT: 17.875 min Scan# 2145
Delta R.T. 0.000 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion:105 Resp: 21419

Ion	Ratio	Lower	Upper
105	100		
120	35.1	27.2	40.8
91	11.9	7.1	10.7#

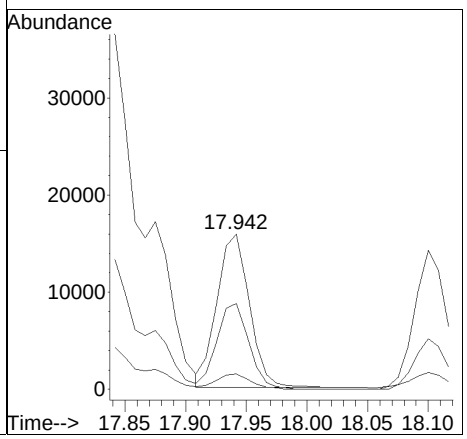


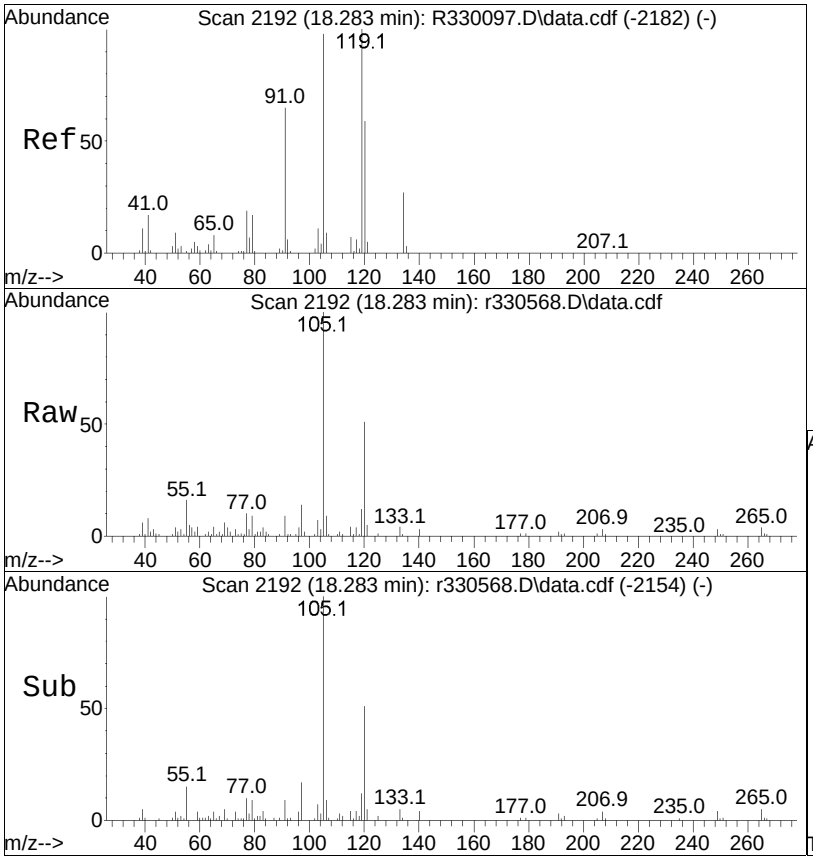


#97
1,3,5-trimethylbenzene
Concen: 0.19 ppbV
RT: 17.942 min Scan# 2153
Delta R.T. 0.000 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion:105 Resp: 29608

Ion	Ratio	Lower	Upper
105	100		
120	55.4	43.1	64.7
91	10.0	6.8	10.2

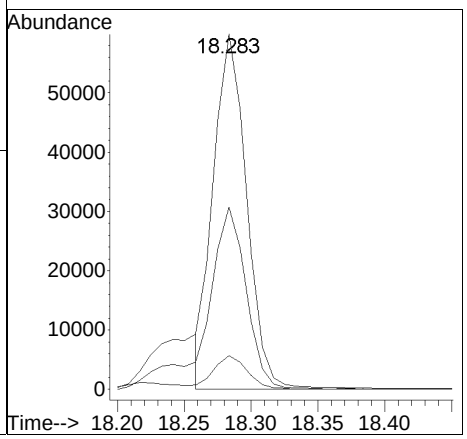


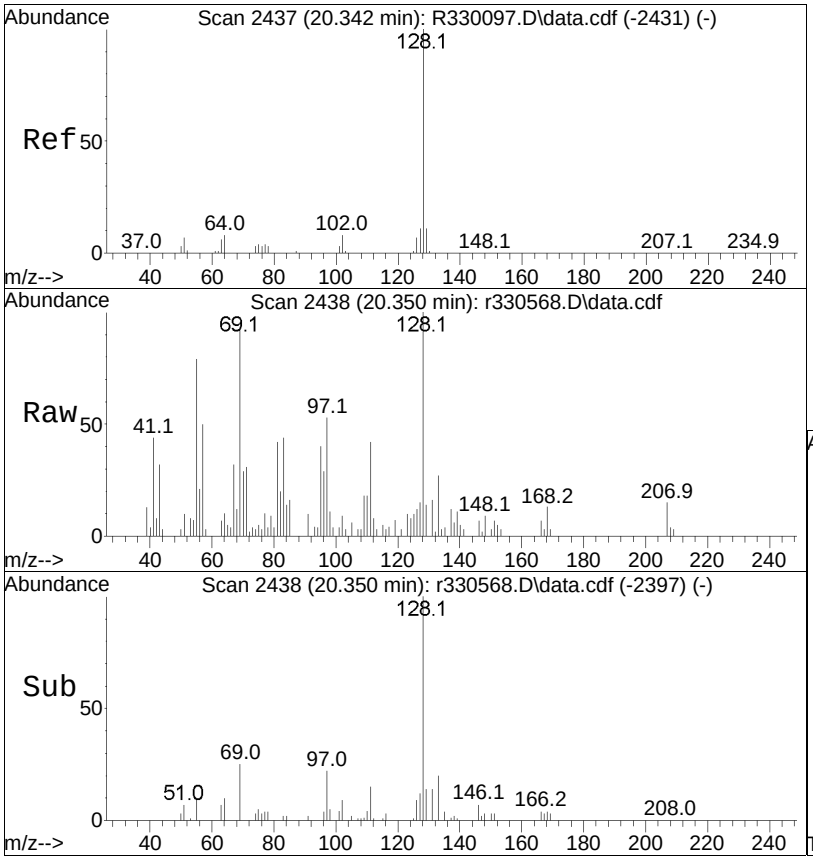


#99
1,2,4-trimethylbenzene
Concen: 0.69 ppbV m
RT: 18.283 min Scan# 2192
Delta R.T. 0.000 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion:105 Resp: 104624

Ion	Ratio	Lower	Upper
105	100		
120	51.3	47.8	71.8
91	9.5	53.4	80.0#

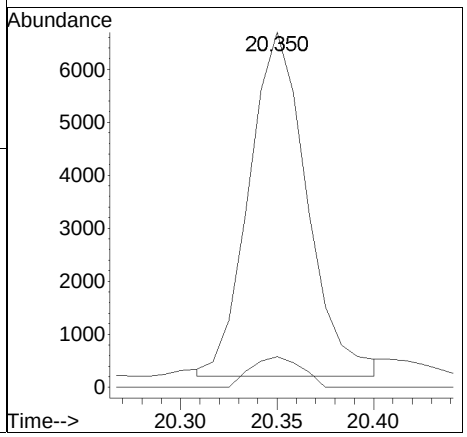




#116
naphthalene
Concen: 0.07 ppbV m
RT: 20.350 min Scan# 2438
Delta R.T. 0.008 min
Lab File: r330568.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion:128 Resp: 13612

Ion	Ratio	Lower	Upper
128	100		
102	8.7	6.3	9.5

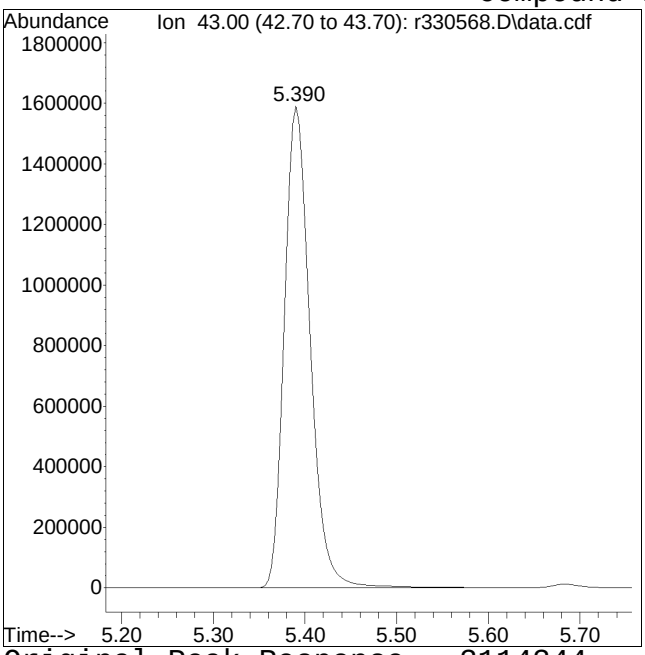


Manual Integration Report

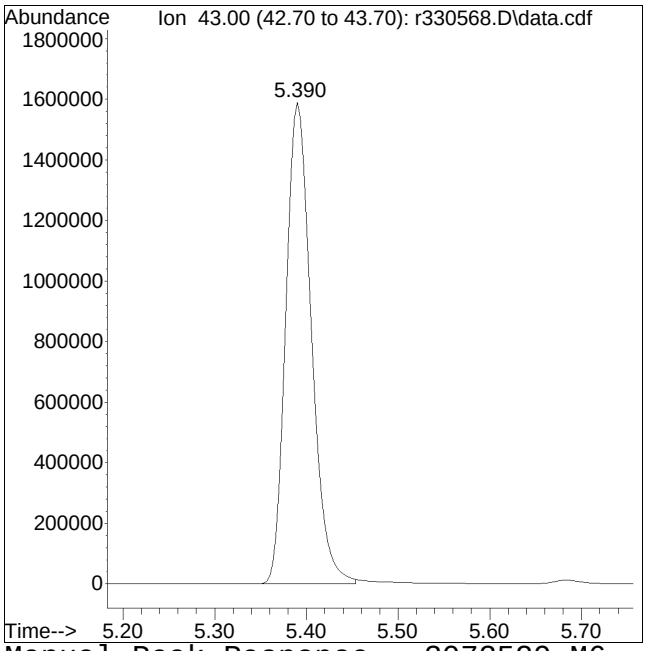
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330568.D
Date Inj'd : 4/23/2020 0:9: 8
Sample : L2419731-02,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:10 am

Compound #19: acetone



Original Peak Response = 3114344



Manual Peak Response = 3073529 M6

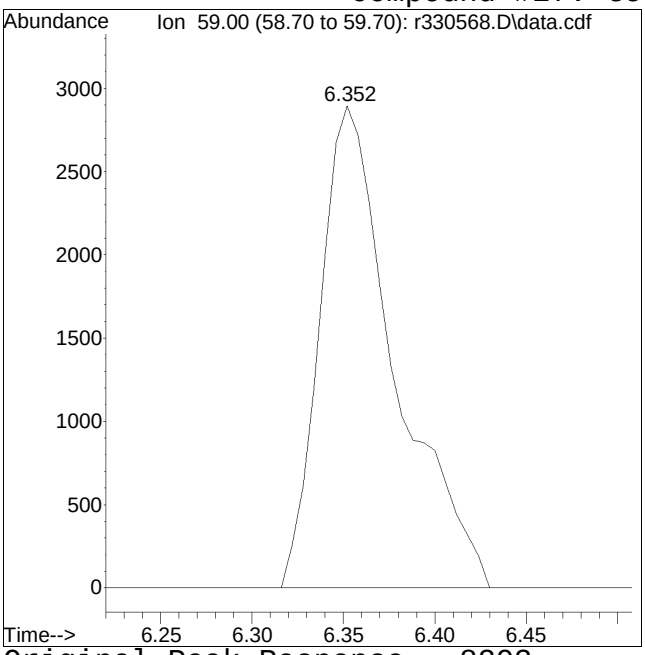
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

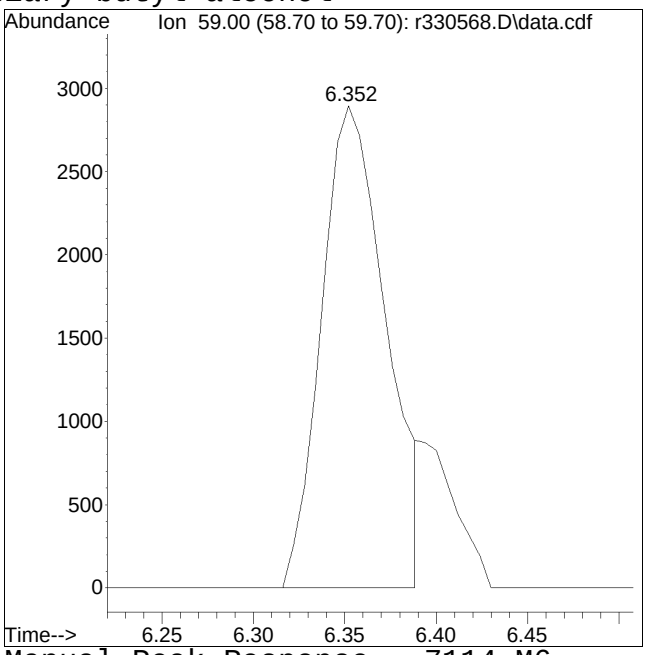
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330568.D
Date Inj'd : 4/23/2020 0:9: 8
Sample : L2419731-02,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:10 am

Compound #27: tertiary butyl alcohol



Original Peak Response = 8293



Manual Peak Response = 7114 M6

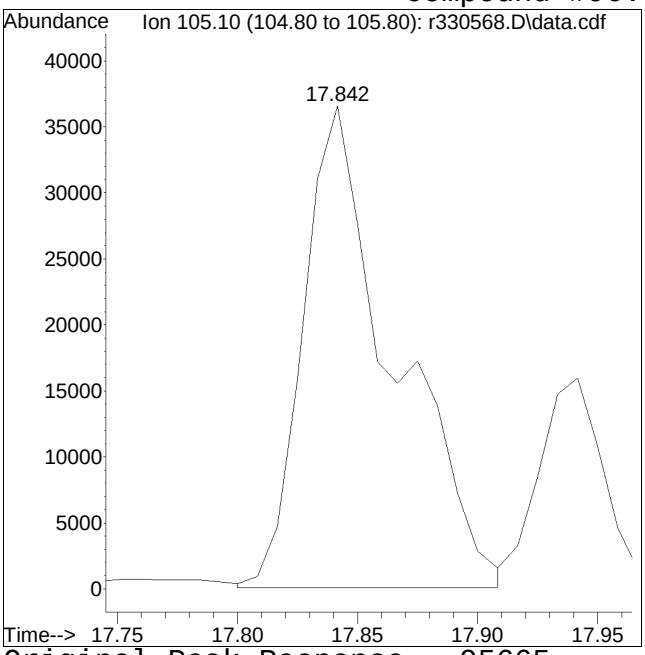
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

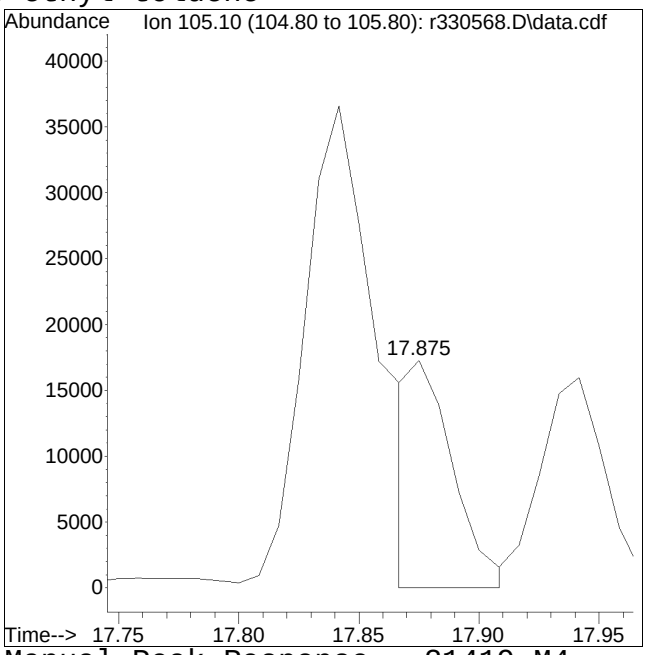
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330568.D
Date Inj'd : 4/23/2020 0:9: 8
Sample : L2419731-02,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:10 am

Compound #96: 4-ethyl toluene



Original Peak Response = 95665



Manual Peak Response = 21419 M4

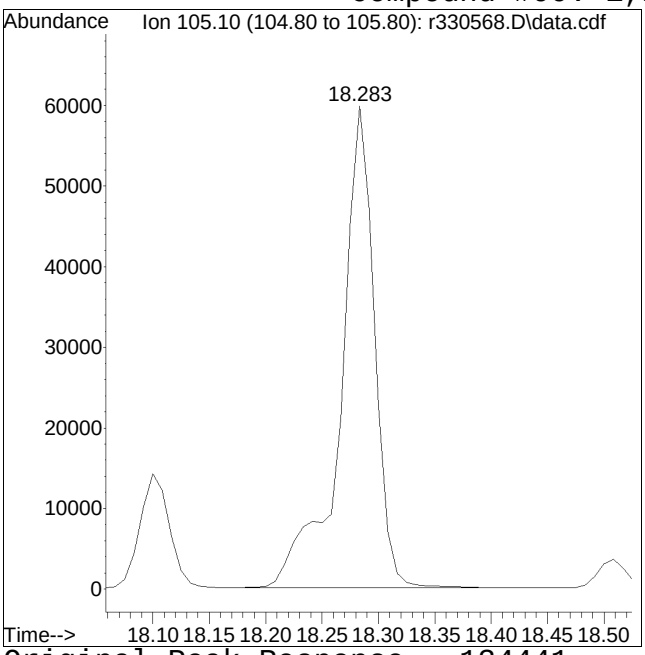
M4 = Poor automated baseline construction.

Manual Integration Report

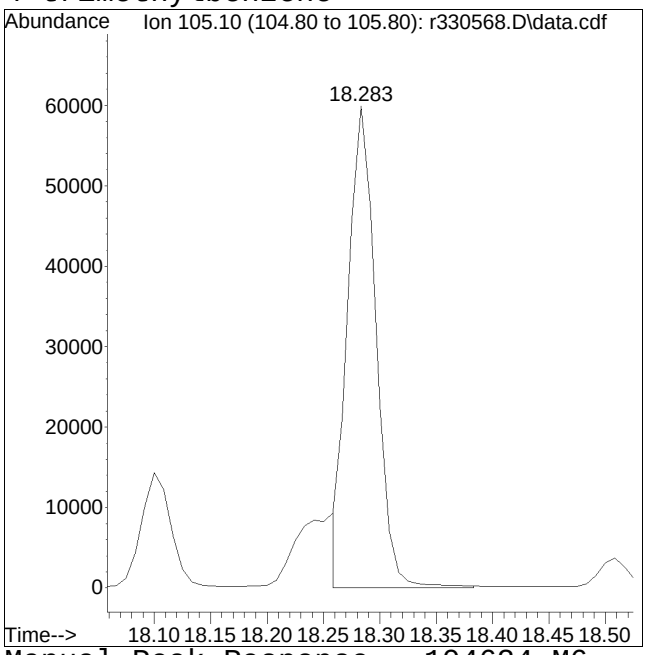
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330568.D
Date Inj'd : 4/23/2020 0:9: 8
Sample : L2419731-02,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:10 am

Compound #99: 1,2,4-trimethylbenzene



Original Peak Response = 134441



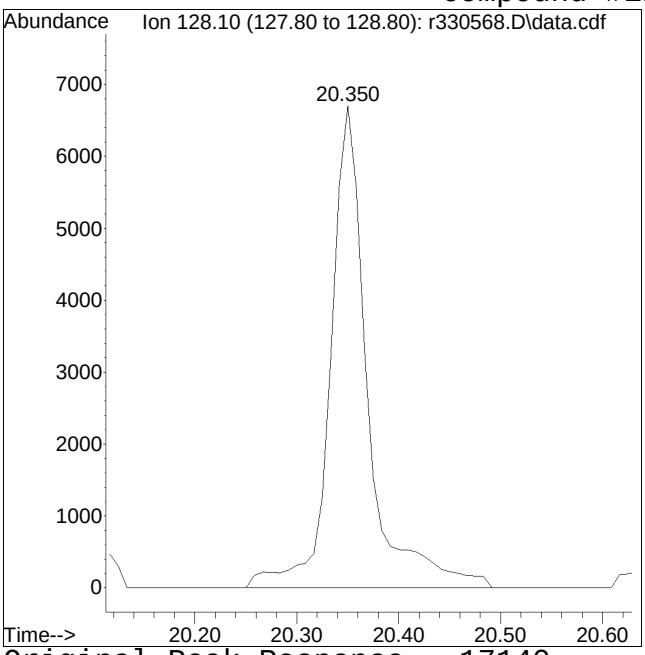
Manual Peak Response = 104624 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

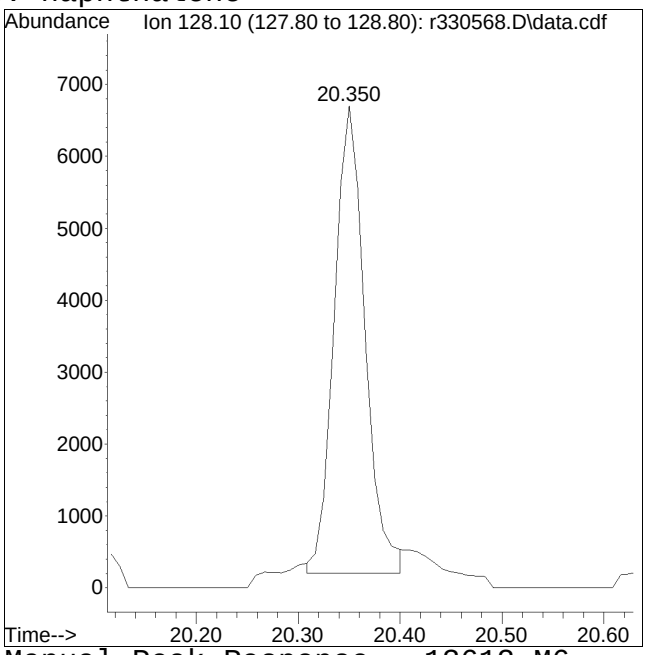
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : r330568.D Operator : AIRPIANO3:JMB
Date Inj'd : 4/23/2020 0:9: 8 Instrument :
Sample : L2419731-02,3,250,250 Quant Date : 4/24/2024 7:10 am

Compound #116: naphthalene



Original Peak Response = 17140



Manual Peak Response = 13612 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330569.D
Acq On : 23 Apr 2024 9:48 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-03,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:10:44 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423T\r330561.D
Sub List : TO15-NY+NAPH-7-SIM - .

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	8.817	49	354644	10.000	ppbV		0.00
Standard Area = 361003			Recovery = 98.24%				
43) 1,4-difluorobenzene	11.053	114	1167140	10.000	ppbV		0.00
Standard Area = 1163384			Recovery = 100.32%				
67) chlorobenzene-D5	15.817	54	174903	10.000	ppbV	#	0.00
Standard Area = 169079			Recovery = 103.44%				
System Monitoring Compounds							
Target Compounds							Qvalue
5) dichlorodifluoromethane	3.798	85	16147	0.418	ppbV		98
6) chloromethane	3.954	50	9311	0.482	ppbV		97
7) Freon-114	4.056		0	N.D.			
10) 1,3-butadiene	4.308	54	800	0.047	ppbV		100
13) bromomethane	4.578		0	N.D.			
14) chloroethane	4.764		0	N.D.			
15) ethanol	4.890	31	408295	33.657	ppbV	#	79
17) vinyl bromide	0.000		0	N.D.			
19) acetone	5.387	43	3400188M6	88.093	ppbV		
21) trichlorofluoromethane	5.580	101	9714	0.247	ppbV		99
22) isopropyl alcohol	5.680	45	174209	3.386	ppbV	#	96
27) tertiary butyl alcohol	6.346	59	7564M6	0.148	ppbV		
28) methylene chloride	6.412	49	7836	0.276	ppbV		100
29) 3-chloropropene	0.000		0	N.D.	d		
30) carbon disulfide	6.712	76	3176	0.036	ppbV	#	37
31) Freon 113	6.712	101	3700	0.080	ppbV		98
32) trans-1,2-dichloroethene	0.000		0	N.D.			
33) 1,1-dichloroethane	7.683		0	N.D.			
34) MTBE	7.733		0	N.D.			
36) 2-butanone	8.142	43	97145	1.472	ppbV	#	96
38) Ethyl Acetate	8.917	61	9984	1.010	ppbV	#	26
39) chloroform	8.975	83	6320	0.145	ppbV		98
40) Tetrahydrofuran	9.425	42	99176	2.327	ppbV		96
42) 1,2-dichloroethane	9.808		0	N.D.			
44) hexane	8.883	57	68469	1.564	ppbV	#	1
50) benzene	10.627	78	26339	0.266	ppbV	#	91
53) cyclohexane	10.940	56	8358	0.180	ppbV	#	84
56) 1,2-dichloropropane	0.000		0	N.D.			

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330569.D
Acq On : 23 Apr 2024 9:48 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-03,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:10:44 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423T\r330561.D
Sub List : TO15-NY+NAPH-7-SIM - .

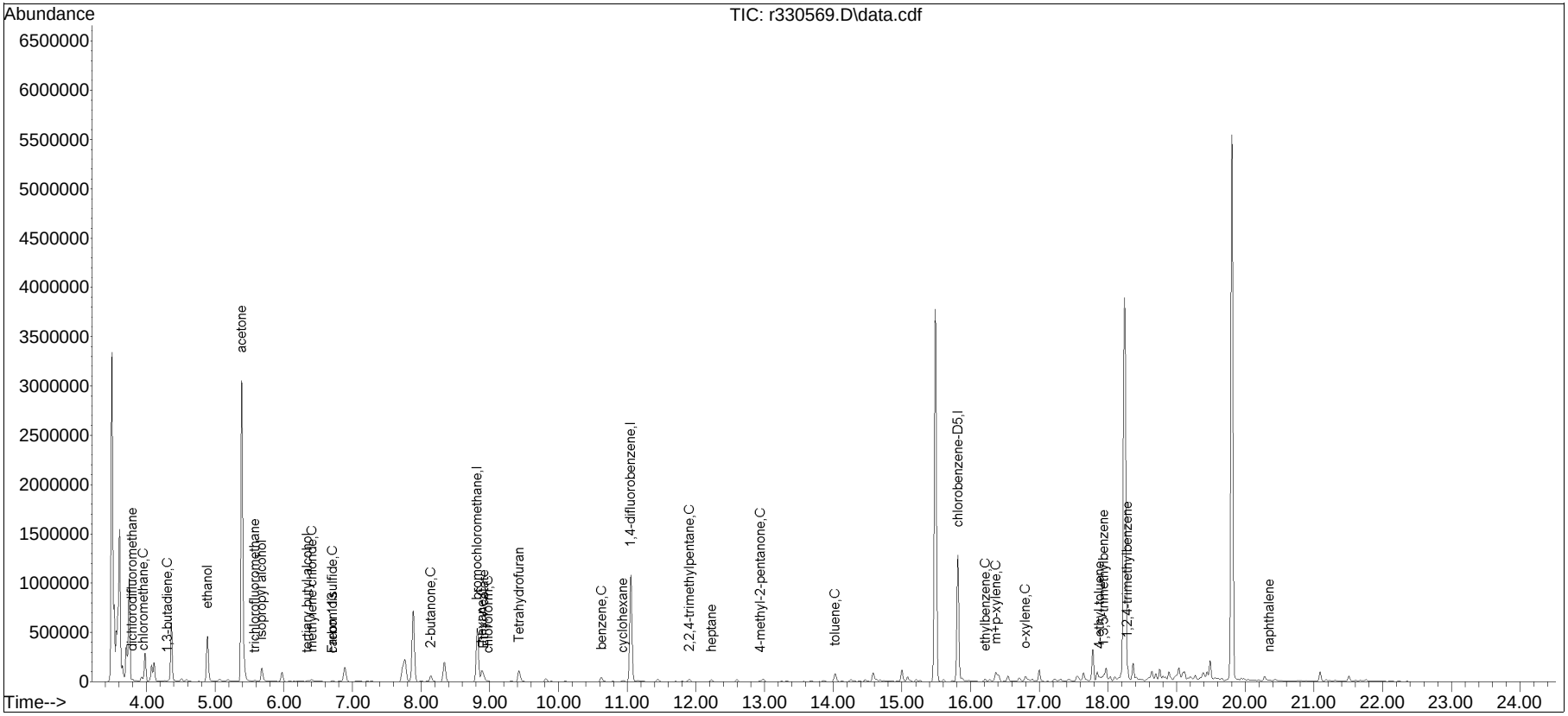
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
57)	bromodichloromethane	11.800		0	N.D.			
58)	1,4-dioxane	0.000		0	N.D.			
60)	2,2,4-trimethylpentane	11.907	57	24526	0.173	ppbV		95
62)	heptane	12.227	43	13313	0.210	ppbV	#	87
63)	cis-1,3-dichloropropene	0.000		0	N.D.			
64)	4-methyl-2-pentanone	12.942	43	9401	0.126	ppbV	#	83
65)	trans-1,3-dichloropropene	0.000		0	N.D.			
66)	1,1,2-trichloroethane	0.000		0	N.D.			
68)	toluene	14.025	91	63072	0.506	ppbV		100
72)	2-hexanone	14.375		0	N.D.			
74)	dibromochloromethane	0.000		0	N.D.			
75)	1,2-dibromoethane	0.000		0	N.D.			
80)	chlorobenzene	0.000		0	N.D.	d		
81)	ethylbenzene	16.217	91	26263	0.168	ppbV		92
83)	m+p-xylene	16.367	91	81768	0.651	ppbV		89
84)	bromoform	0.000		0	N.D.			
85)	styrene	16.717		0	N.D.			
86)	1,1,2,2-tetrachloroethane	16.717		0	N.D.			
87)	o-xylene	16.800	91	36014	0.289	ppbV		88
96)	4-ethyl toluene	17.875	105	16613M4	0.090	ppbV		
97)	1,3,5-trimethylbenzene	17.942	105	19446	0.121	ppbV		97
99)	1,2,4-trimethylbenzene	18.283	105	68812M6	0.445	ppbV		
101)	Benzyl Chloride	18.475		0	N.D.			
102)	1,3-dichlorobenzene	18.483		0	N.D.			
103)	1,4-dichlorobenzene	18.483		0	N.D.			
107)	1,2-dichlorobenzene	0.000		0	N.D.			
115)	1,2,4-trichlorobenzene	0.000		0	N.D.			
116)	naphthalene	20.350	128	7951	0.040	ppbV		100
119)	hexachlorobutadiene	0.000		0	N.D.			

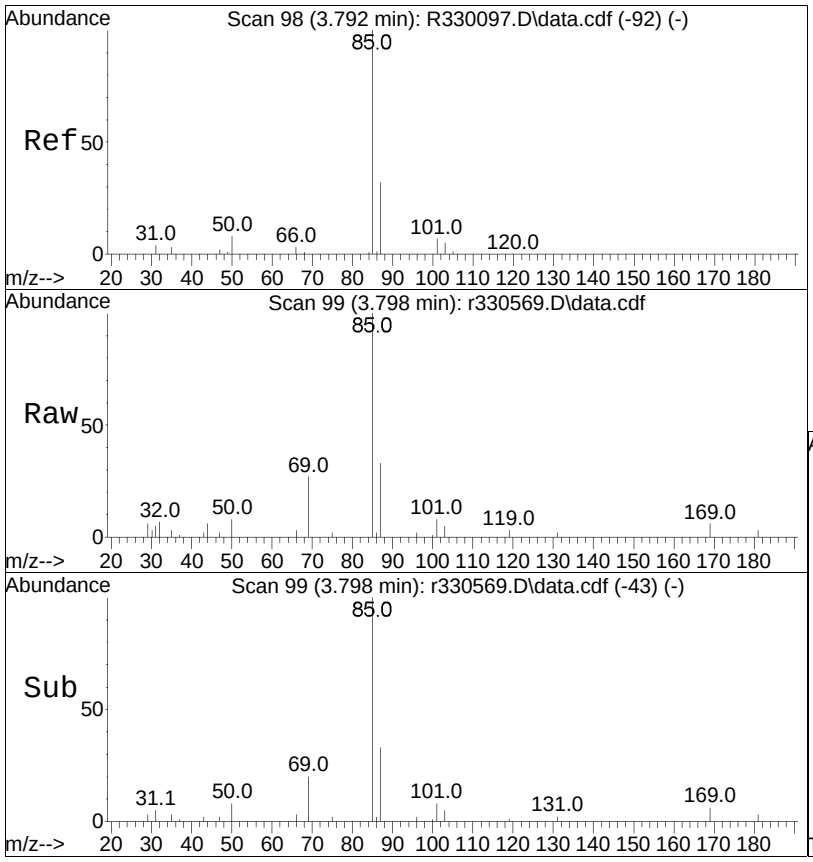
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY+NAPH-7-SIM - .iano3\2024\04\0423T\r330561.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330569.D
Acq On : 23 Apr 2024 9:48 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-03,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:10:44 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

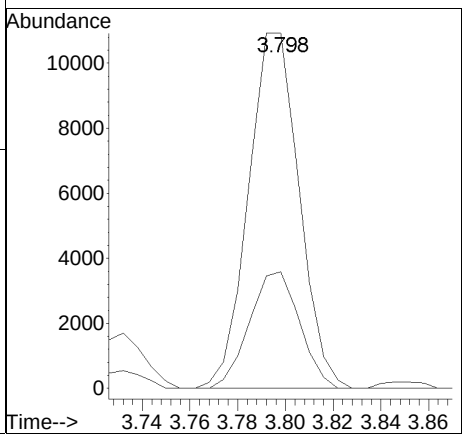


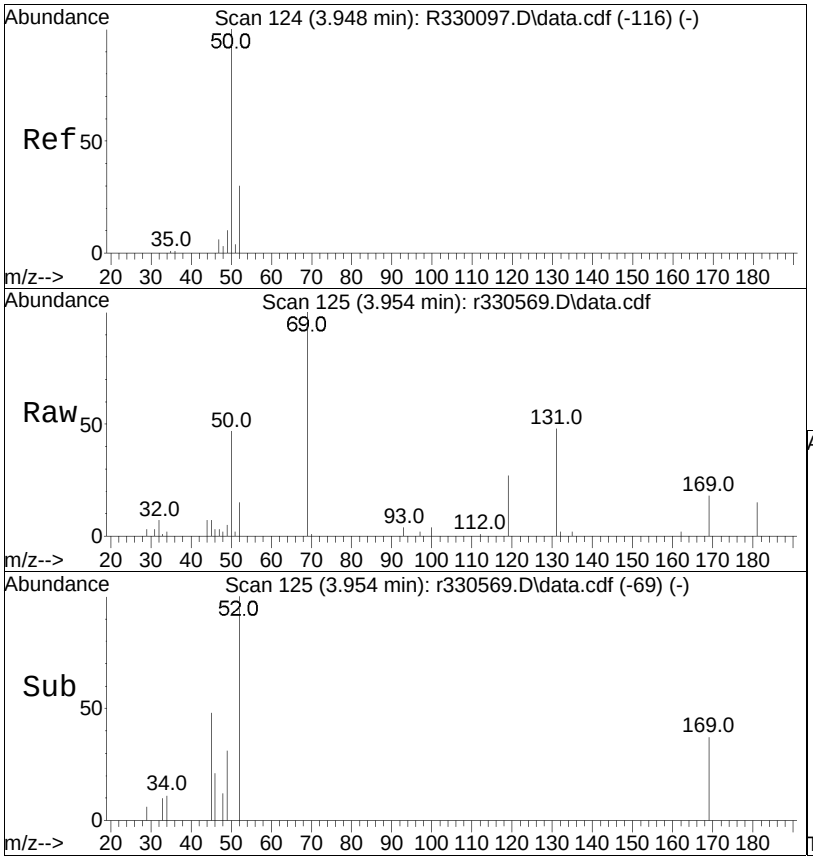


#5
dichlorodifluoromethane
Concen: 0.42 ppbV
RT: 3.798 min Scan# 99
Delta R.T. 0.006 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion: 85 Resp: 16147

Ion	Ratio	Lower	Upper
85	100		
87	32.8	25.4	38.2

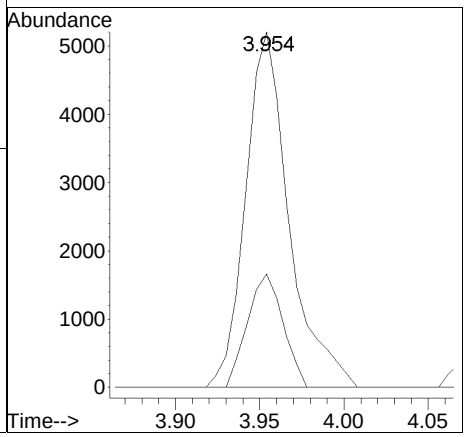


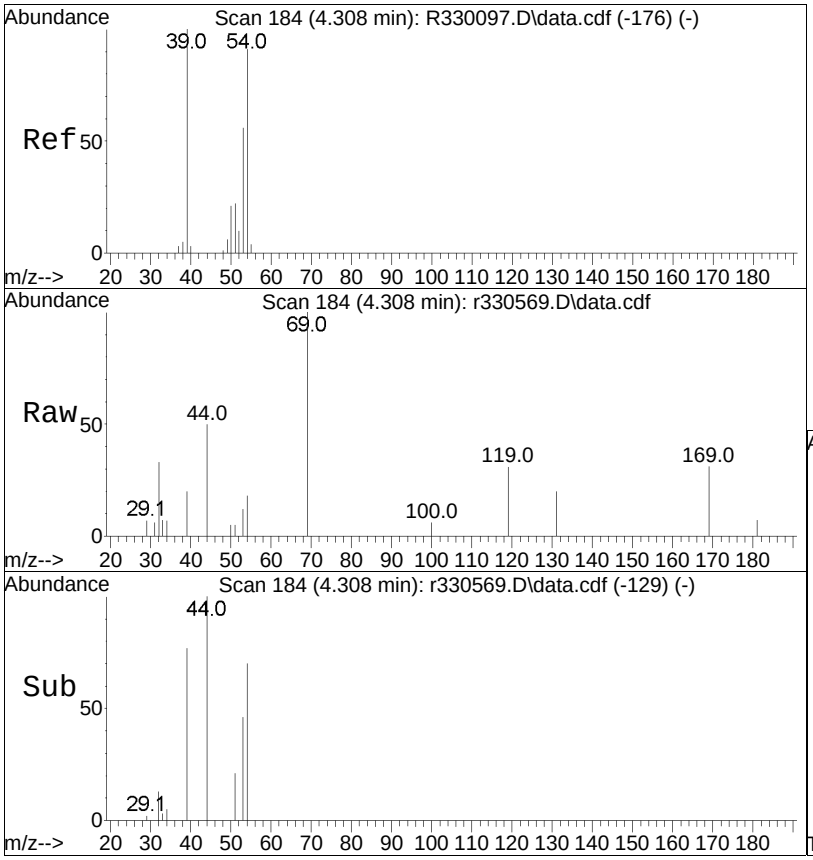


#6
chloromethane
Concen: 0.48 ppbV
RT: 3.954 min Scan# 125
Delta R.T. 0.006 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion: 50 Resp: 9311

Ion	Ratio	Lower	Upper
50	100		
52	31.9	24.0	36.0

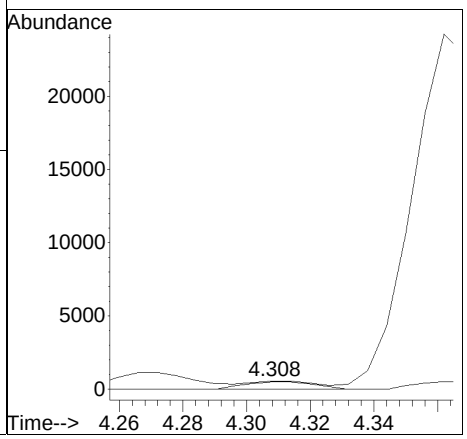


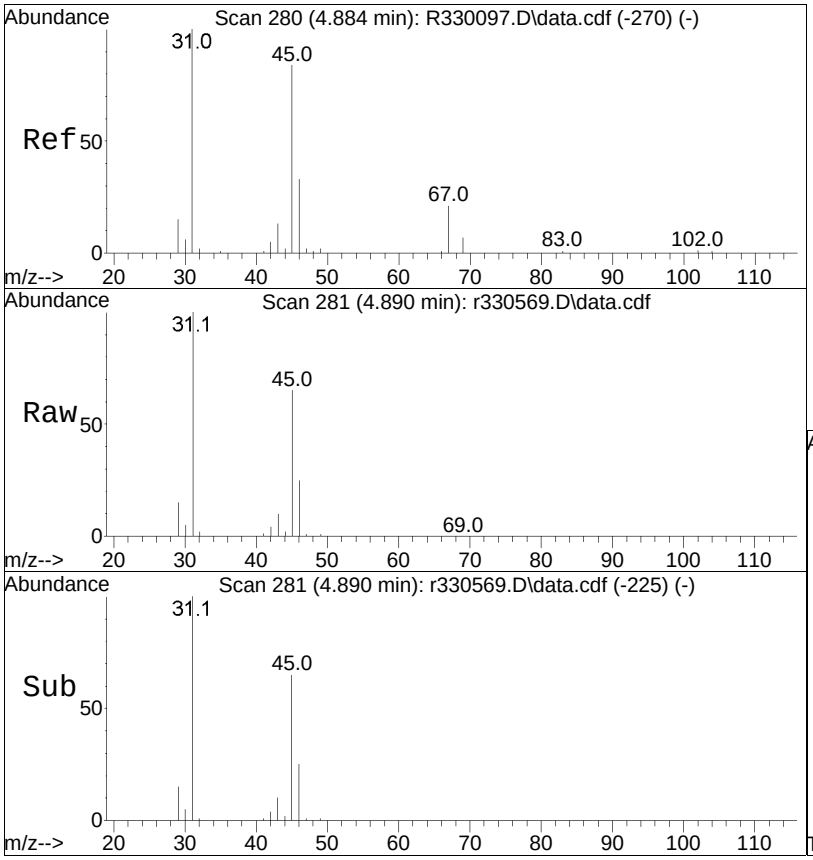


#10
1,3-butadiene
Concen: 0.05 ppbV
RT: 4.308 min Scan# 184
Delta R.T. 0.000 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion: 54 Resp: 800

Ion	Ratio	Lower	Upper
54	100		
39	110.4	88.2	132.4

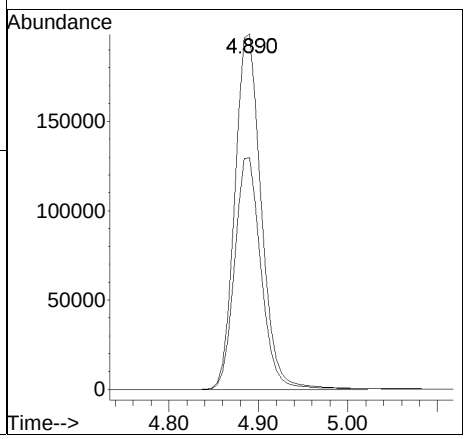


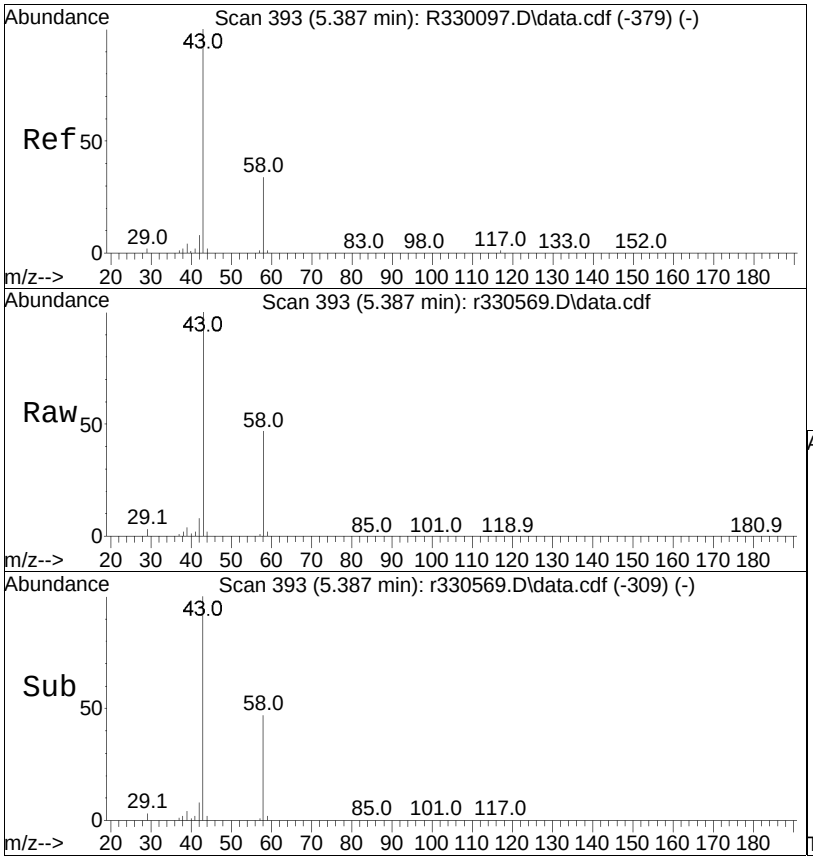


#15
ethanol
Concen: 33.66 ppbV
RT: 4.890 min Scan# 281
Delta R.T. 0.006 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion: 31 Resp: 408295

Ion	Ratio	Lower	Upper
31	100		
45	65.3	67.5	101.3#

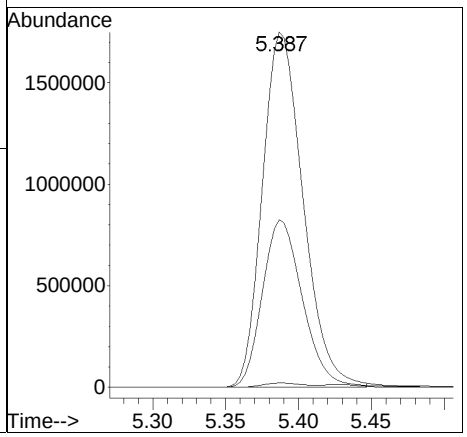


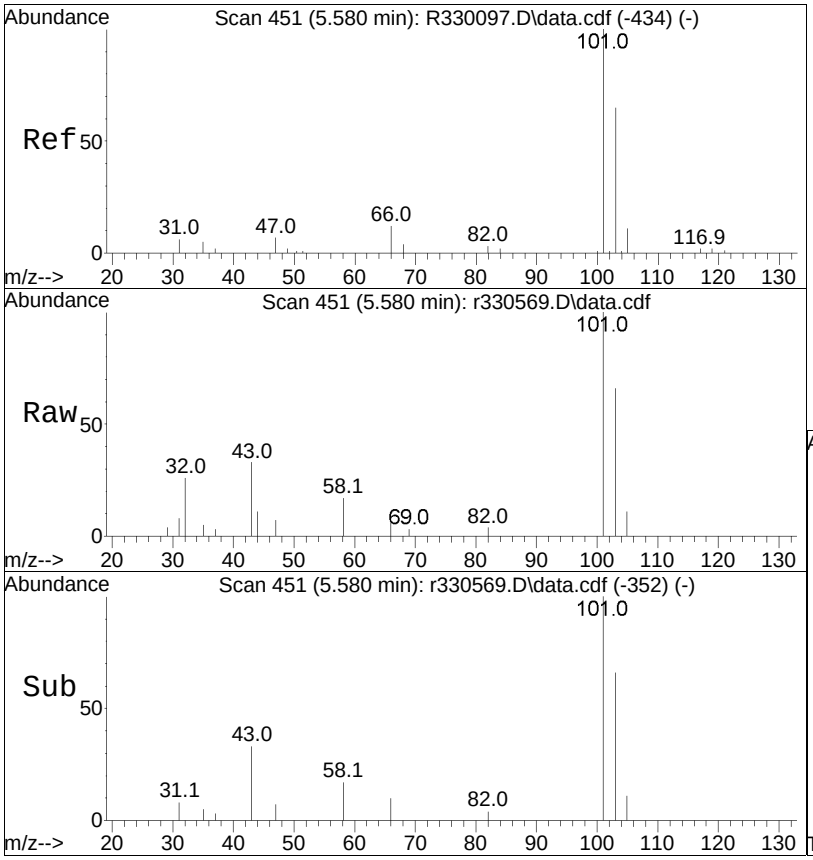


#19
acetone
Concen: 88.09 ppbV m
RT: 5.387 min Scan# 393
Delta R.T. -0.000 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion: 43 Resp: 3400188

Ion	Ratio	Lower	Upper
43	100		
58	47.2	27.3	40.9#
57	1.2	0.8	1.2#

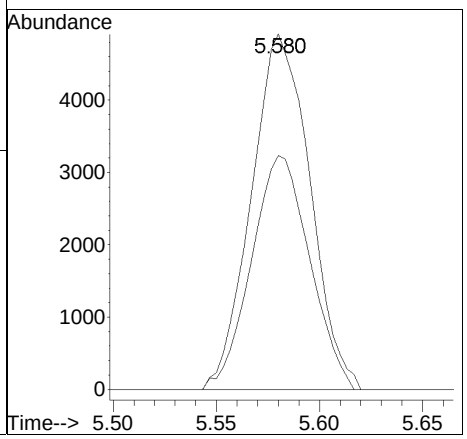


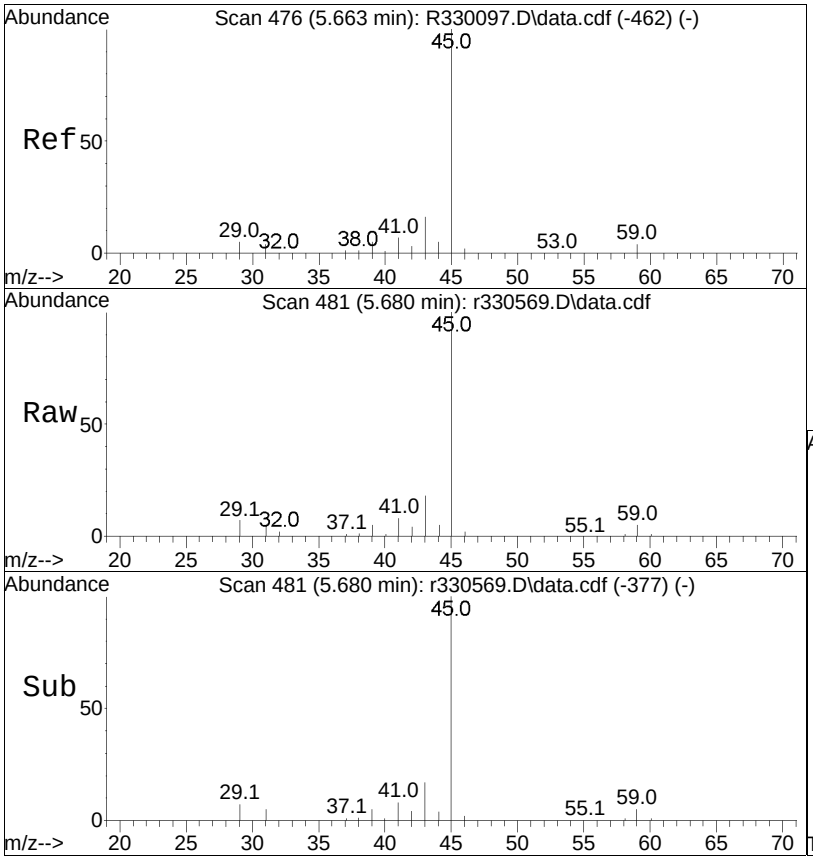


#21
trichlorofluoromethane
Concen: 0.25 ppbV
RT: 5.580 min Scan# 451
Delta R.T. 0.000 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion:101 Resp: 9714

Ion	Ratio	Lower	Upper
101	100		
103	65.8	52.0	78.0

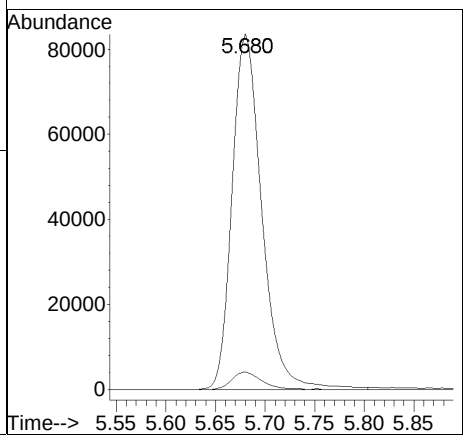


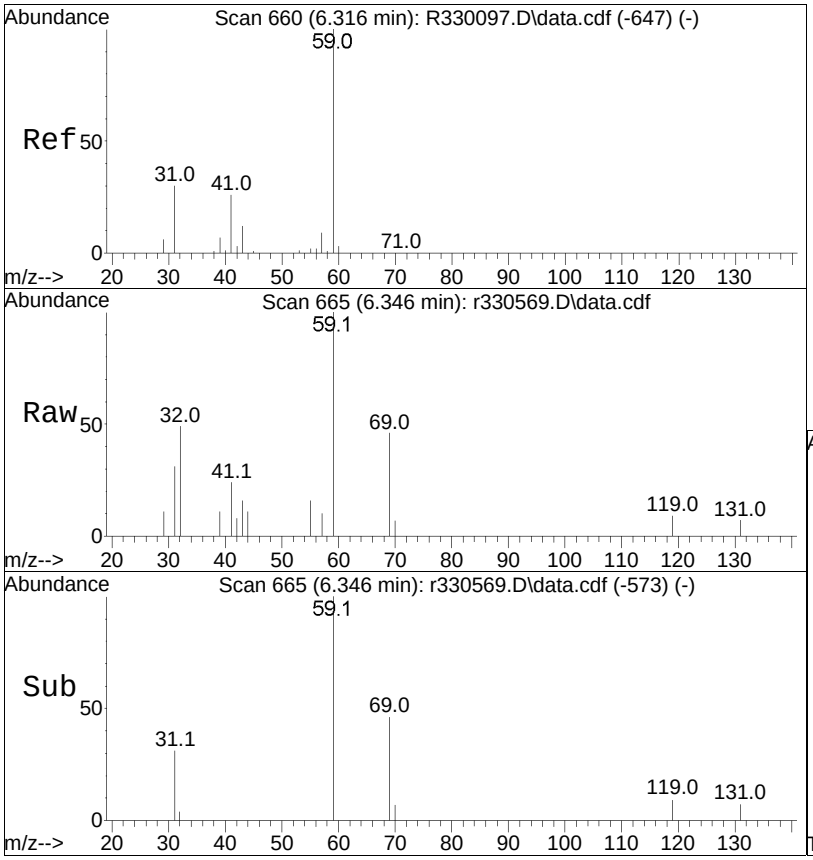


#22
isopropyl alcohol
Concen: 3.39 ppbV
RT: 5.680 min Scan# 481
Delta R.T. 0.017 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion: 45 Resp: 174209

Ion	Ratio	Lower	Upper
45	100		
59	4.9	3.0	4.4#

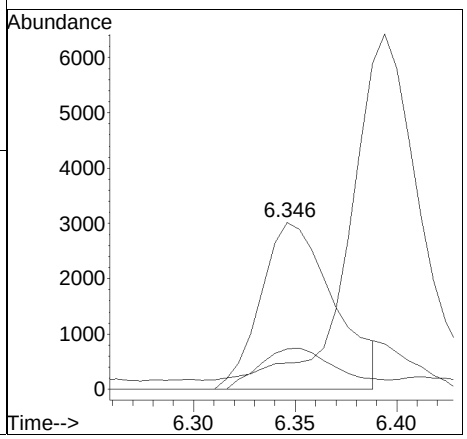


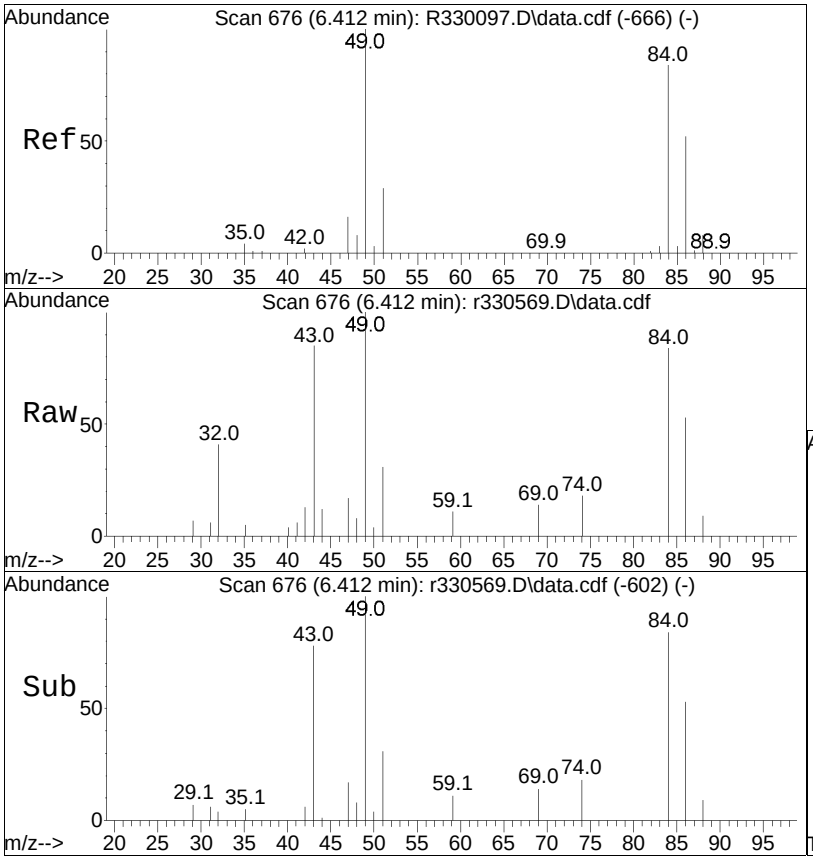


#27
tertiary butyl alcohol
Concen: 0.15 ppbV m
RT: 6.346 min Scan# 665
Delta R.T. 0.030 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion: 59 Resp: 7564

Ion	Ratio	Lower	Upper
59	100		
41	24.3	20.4	30.6
43	15.8	9.4	14.0#

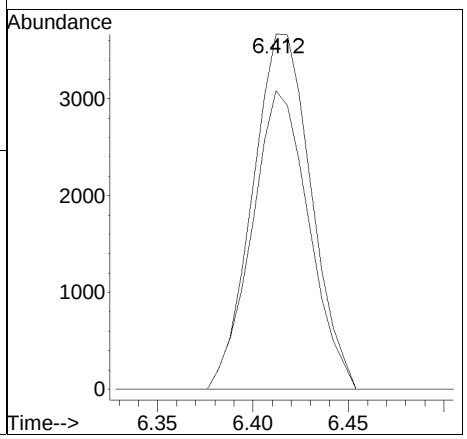


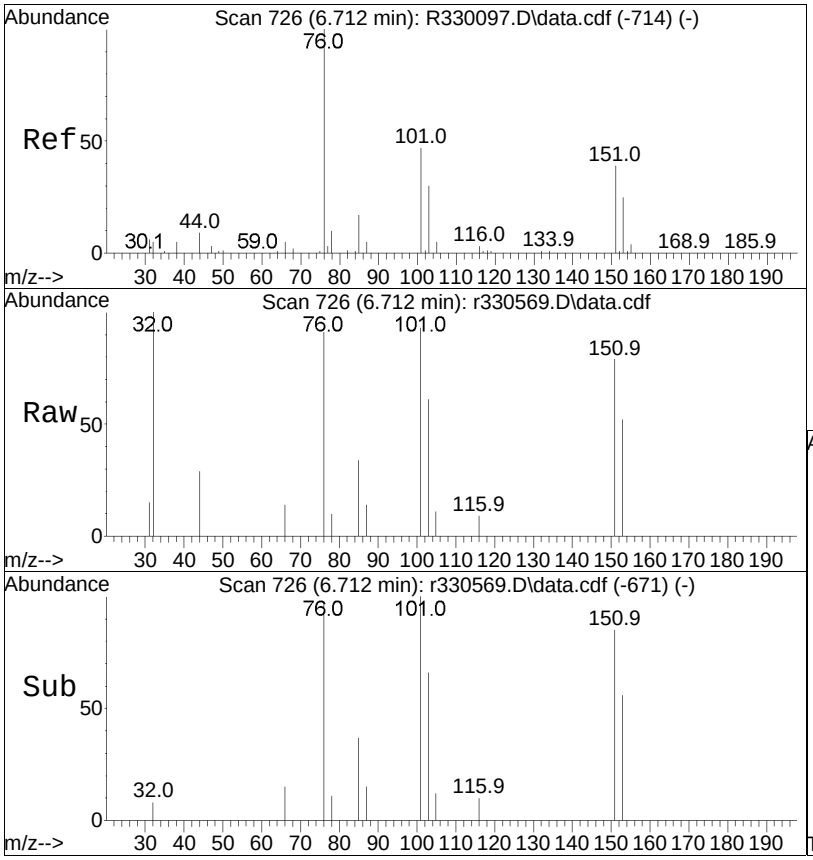


#28
methylene chloride
Concen: 0.28 ppbV
RT: 6.412 min Scan# 676
Delta R.T. 0.000 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion: 49 Resp: 7836

Ion	Ratio	Lower	Upper
49	100		
84	84.0	67.0	100.4

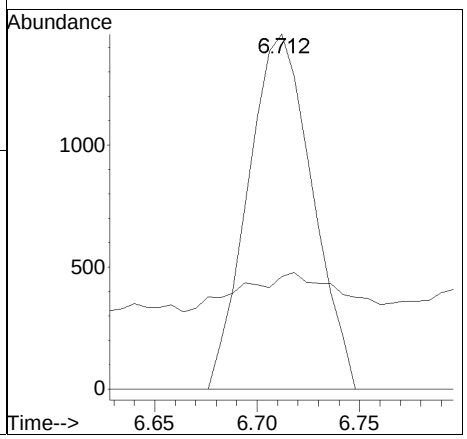


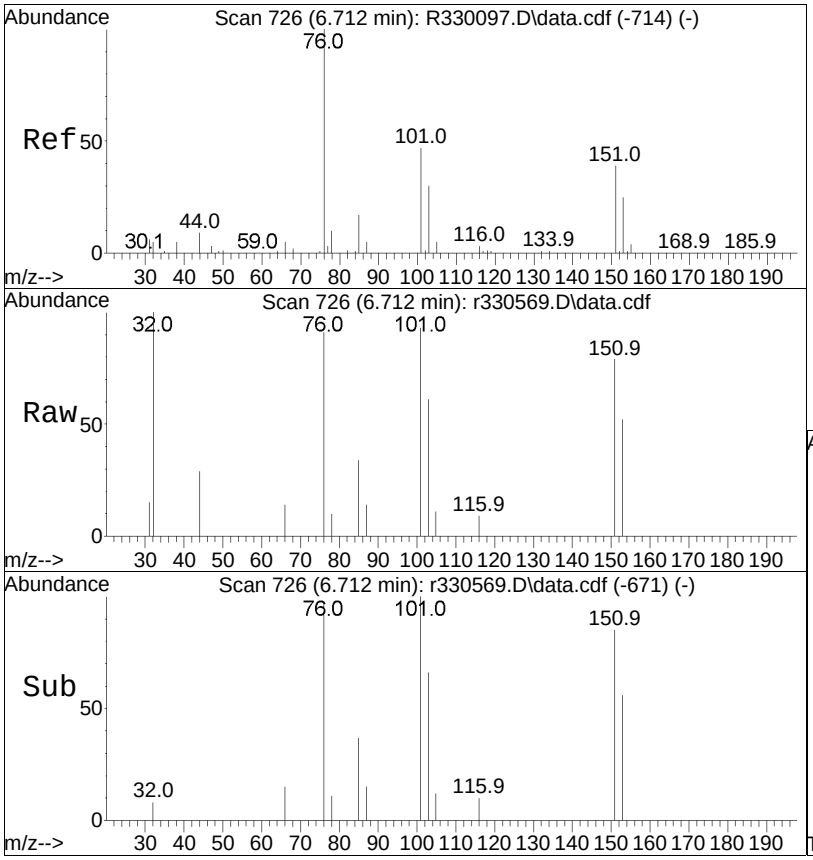


#30
carbon disulfide
Concen: 0.04 ppbV
RT: 6.712 min Scan# 726
Delta R.T. 0.000 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion: 76 Resp: 3176

Ion	Ratio	Lower	Upper
76	100		
44	31.8	7.1	10.7#

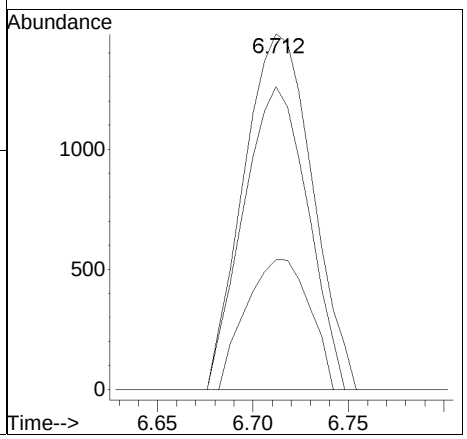


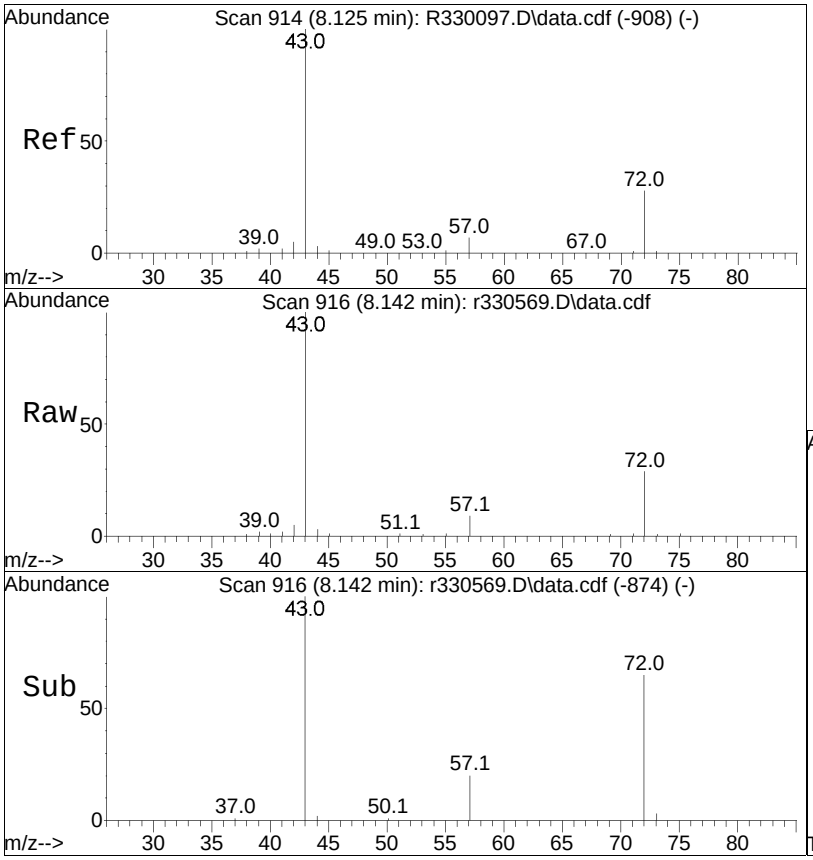


#31
Freon 113
Concen: 0.08 ppbV
RT: 6.712 min Scan# 726
Delta R.T. 0.000 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion:101 Resp: 3700

Ion	Ratio	Lower	Upper
101	100		
85	36.5	28.5	42.7
151	85.2	66.9	100.3

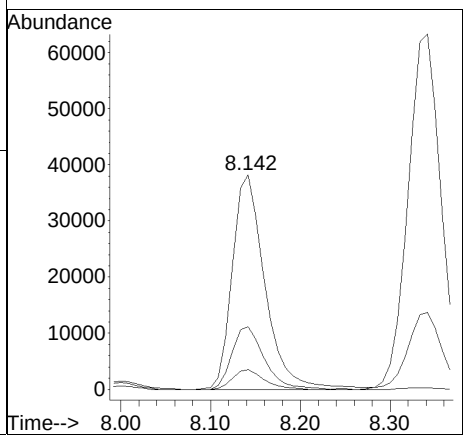


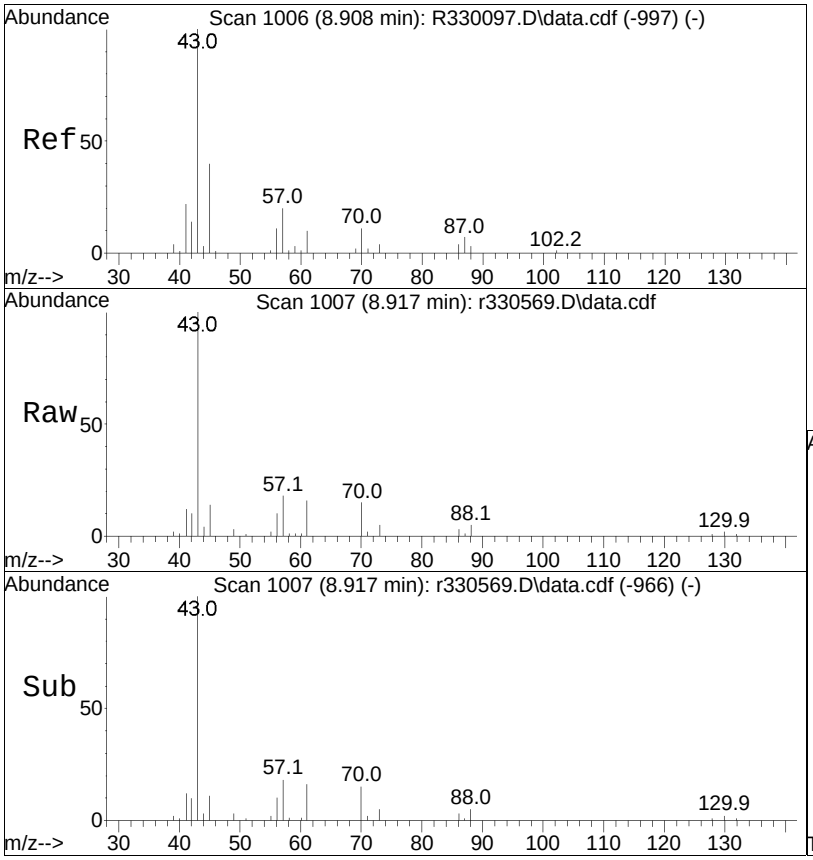


#36
2-butanone
Concen: 1.47 ppbV
RT: 8.142 min Scan# 916
Delta R.T. 0.017 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion: 43 Resp: 97145

Ion	Ratio	Lower	Upper
43	100		
72	29.2	22.1	33.1
57	9.2	5.3	7.9#

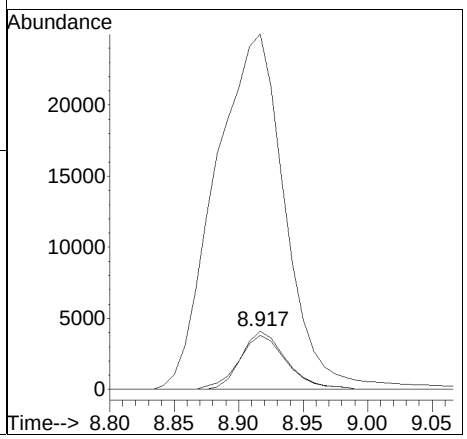


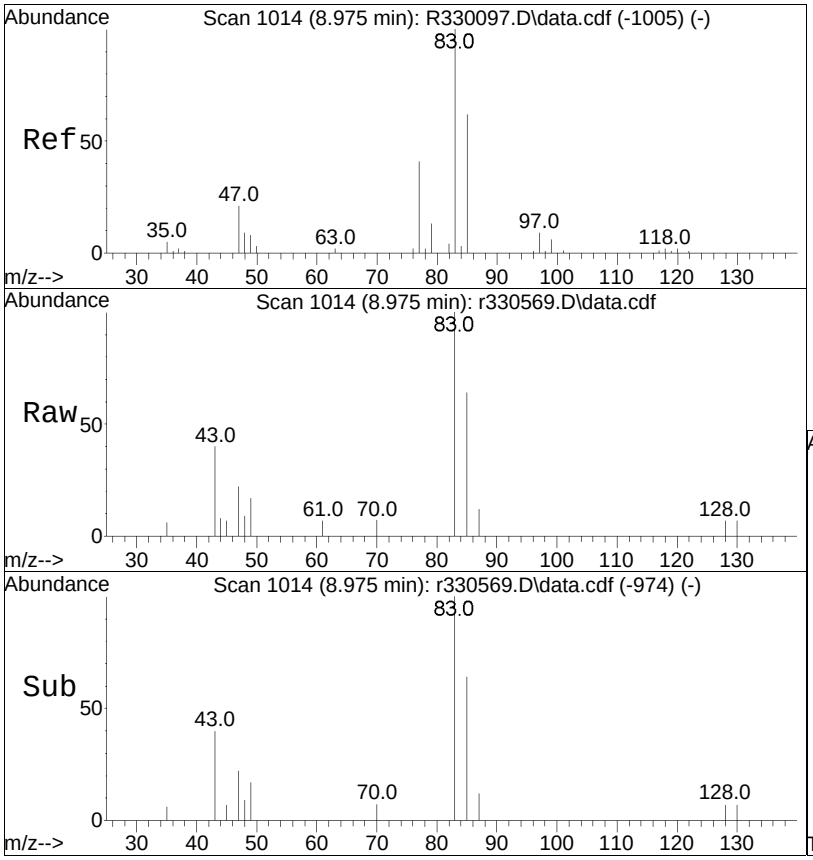


#38
Ethyl Acetate
Concen: 1.01 ppbV
RT: 8.917 min Scan# 1007
Delta R.T. 0.008 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion: 61 Resp: 9984

Ion	Ratio	Lower	Upper
61	100		
70	93.3	87.4	131.0
43	611.9	771.8	1157.6#

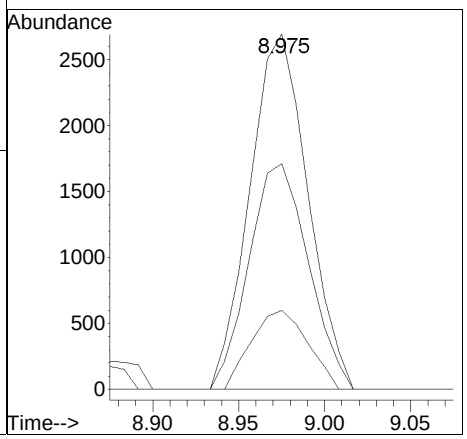


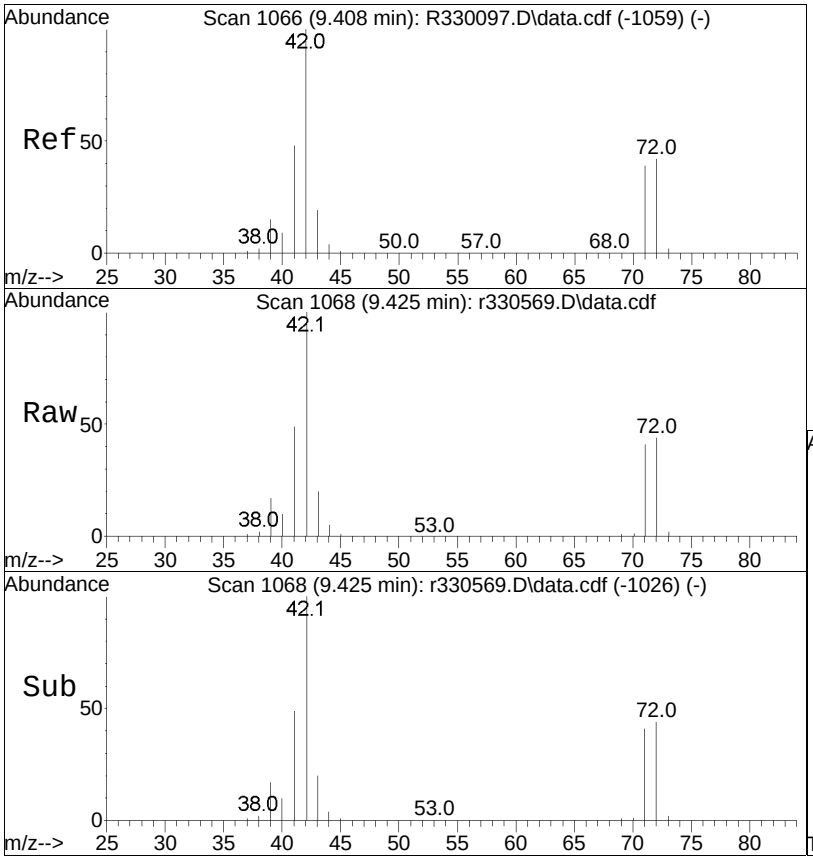


#39
chloroform
Concen: 0.14 ppbV
RT: 8.975 min Scan# 1014
Delta R.T. 0.000 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion: 83 Resp: 6320

Ion	Ratio	Lower	Upper
83	100		
85	63.5	49.8	74.8
47	22.2	16.8	25.2

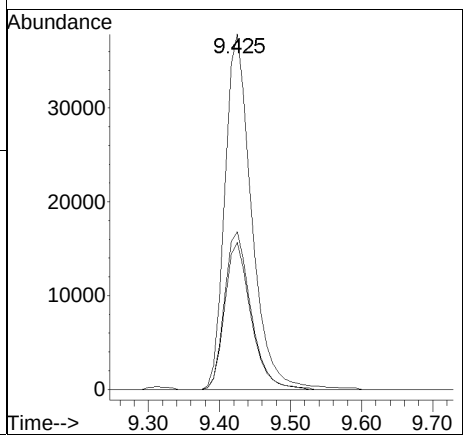


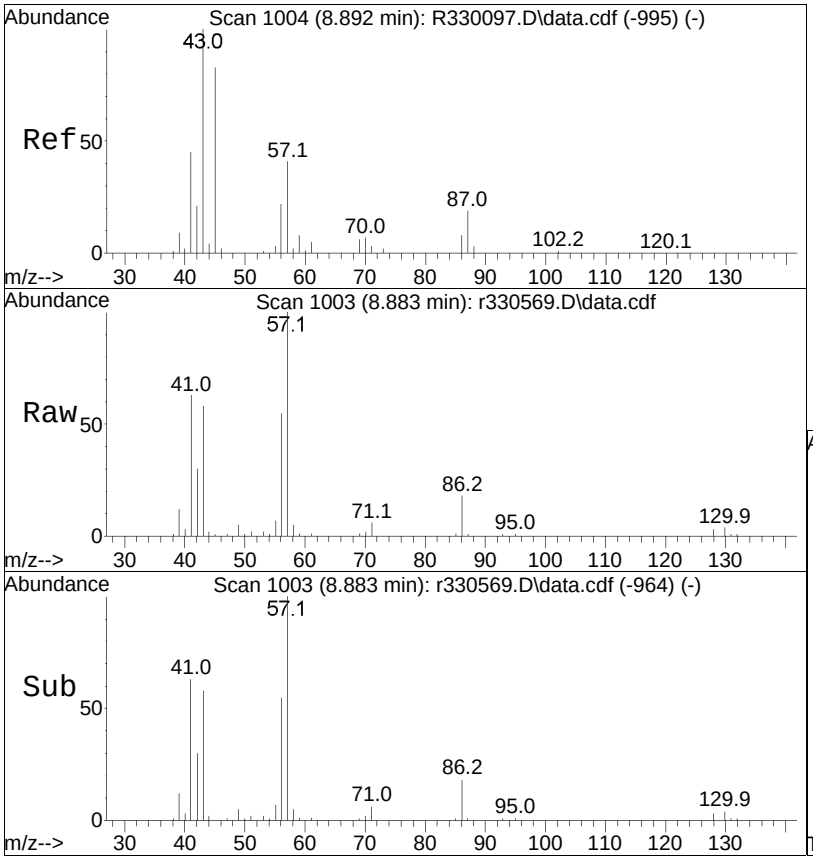


#40
Tetrahydrofuran
Concen: 2.33 ppbV
RT: 9.425 min Scan# 1068
Delta R.T. 0.017 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion: 42 Resp: 99176

Ion	Ratio	Lower	Upper
42	100		
71	41.4	31.0	46.4
72	44.4	33.4	50.2

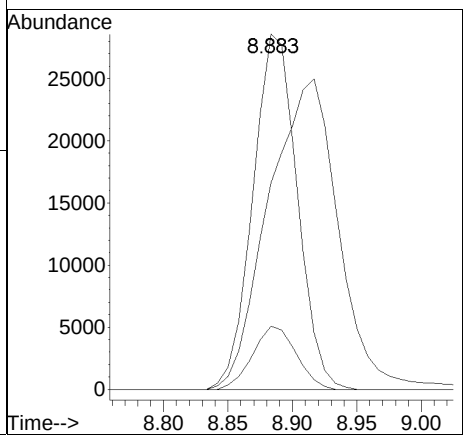


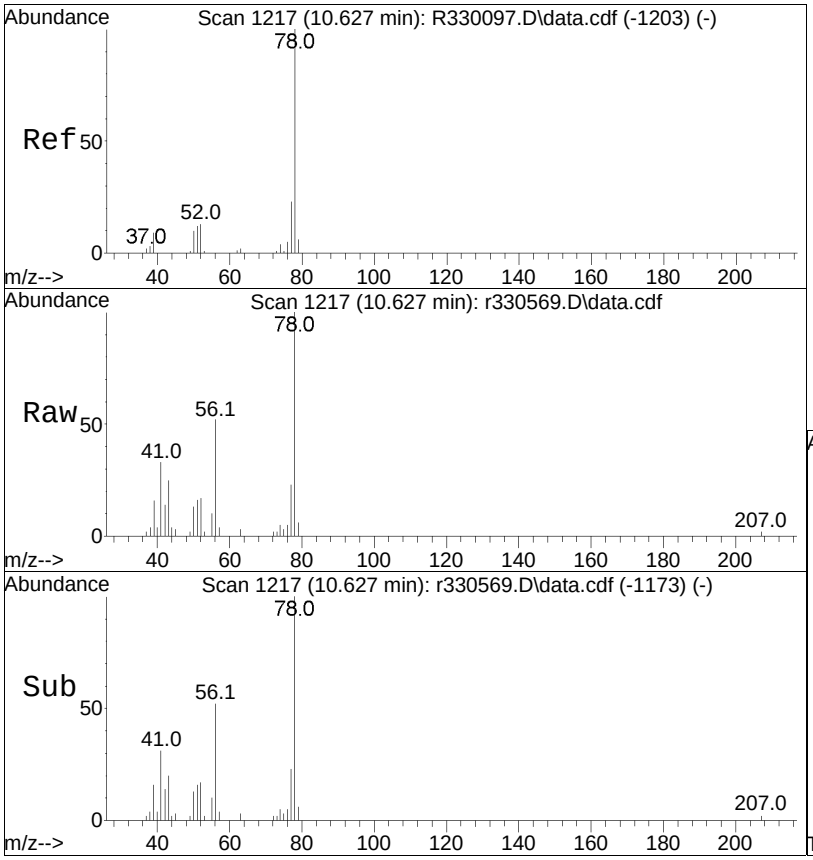


#44
hexane
Concen: 1.56 ppbV
RT: 8.883 min Scan# 1003
Delta R.T. -0.008 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion: 57 Resp: 68469

Ion	Ratio	Lower	Upper
57	100		
43	58.2	196.5	294.7#
86	17.8	15.8	23.6

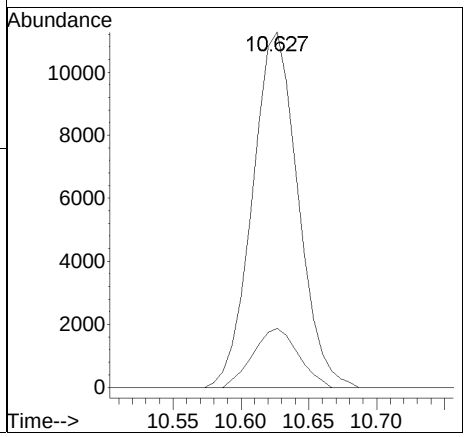


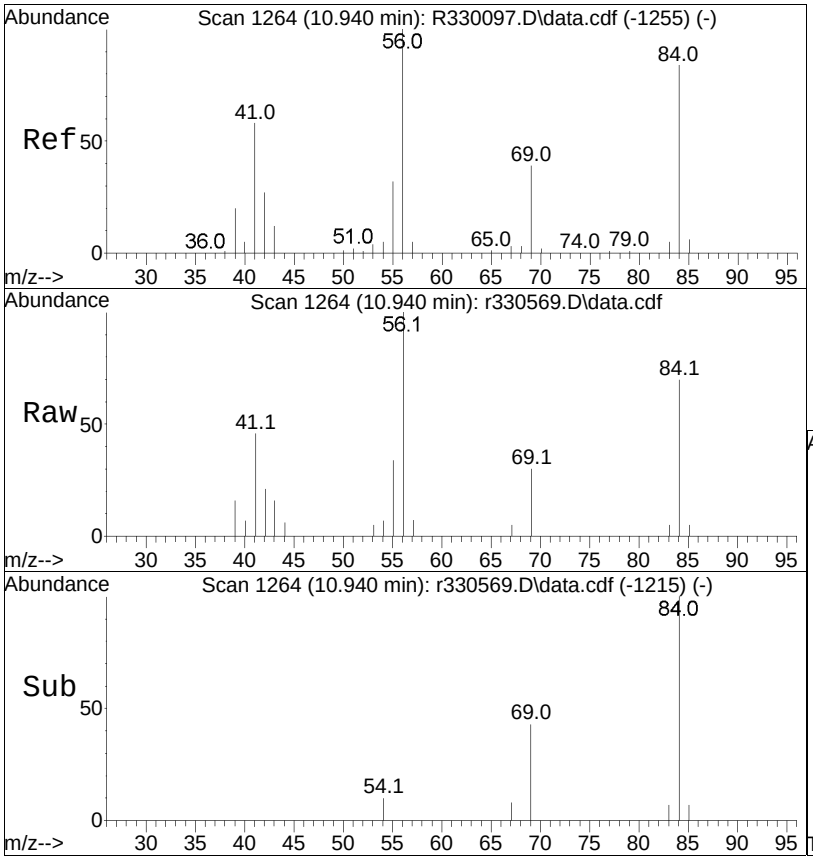


#50
benzene
Concen: 0.27 ppbV
RT: 10.627 min Scan# 1217
Delta R.T. 0.000 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion: 78 Resp: 26339

Ion	Ratio	Lower	Upper
78	100		
52	16.6	10.4	15.6#

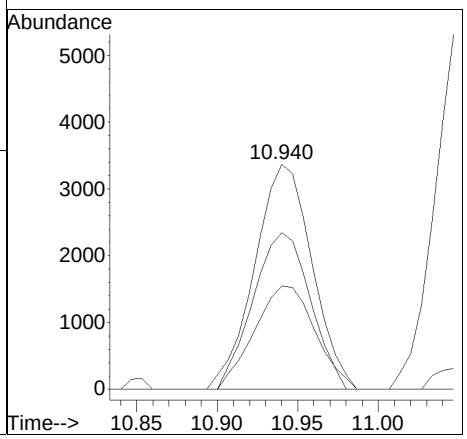


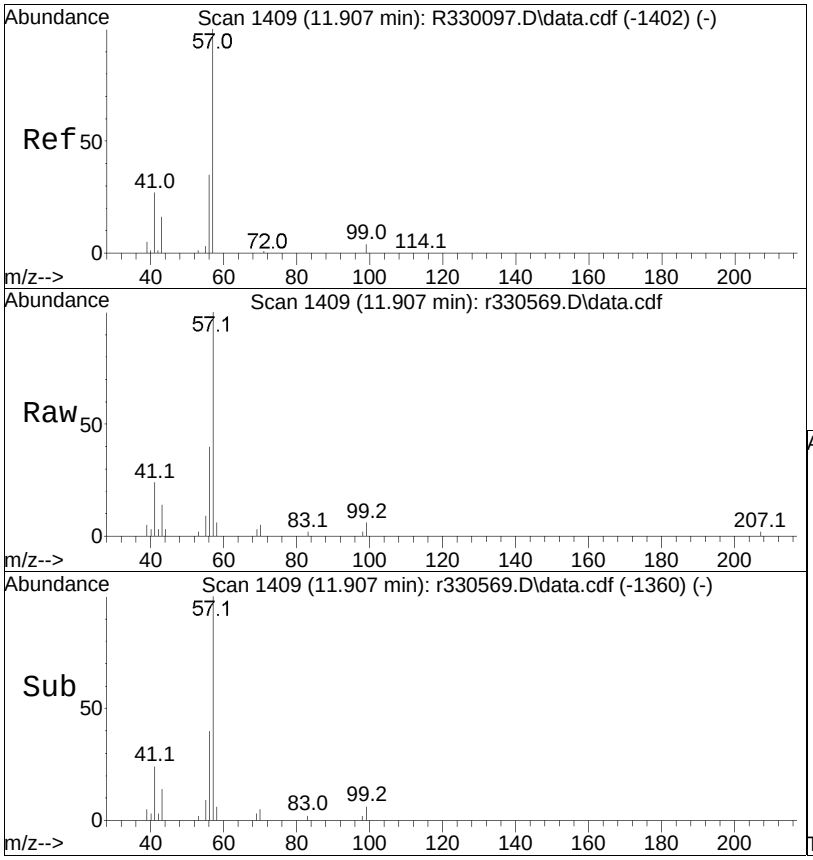


#53
cyclohexane
Concen: 0.18 ppbV
RT: 10.940 min Scan# 1264
Delta R.T. 0.000 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion: 56 Resp: 8358

Ion	Ratio	Lower	Upper
56	100		
84	69.7	67.4	101.2
41	45.9	46.4	69.6#

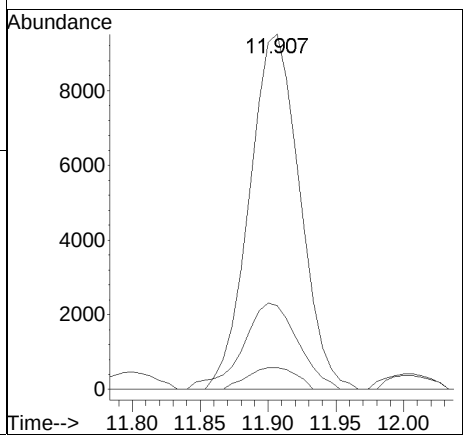


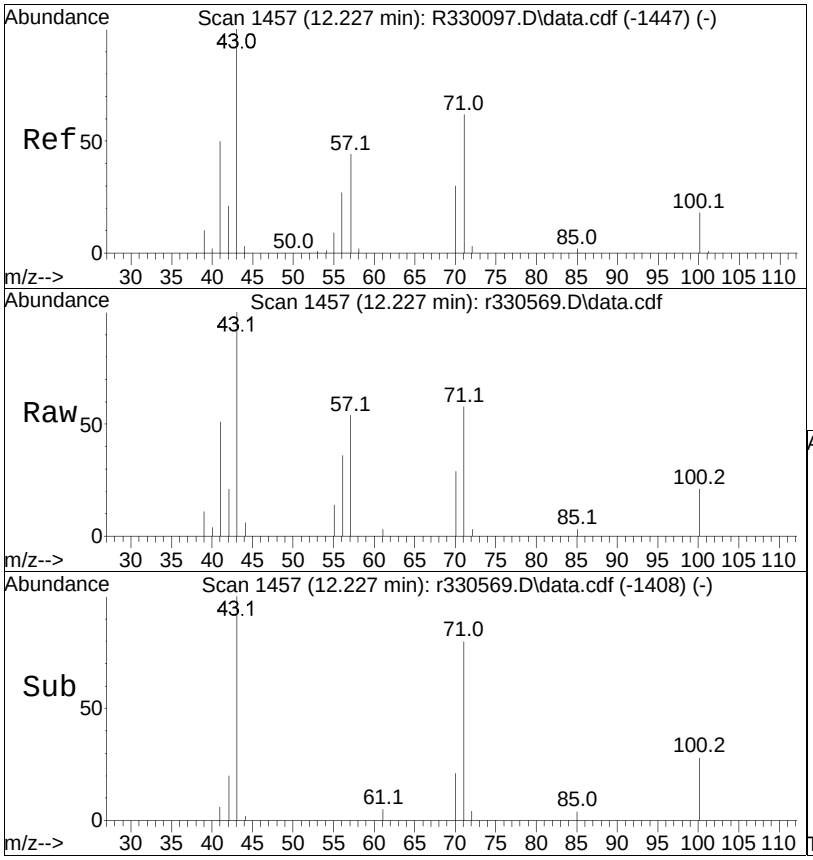


#60
2,2,4-trimethylpentane
Concen: 0.17 ppbV
RT: 11.907 min Scan# 1409
Delta R.T. 0.000 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion: 57 Resp: 24526

Ion	Ratio	Lower	Upper
57	100		
99	6.2	5.3	7.9
41	23.5	21.4	32.0

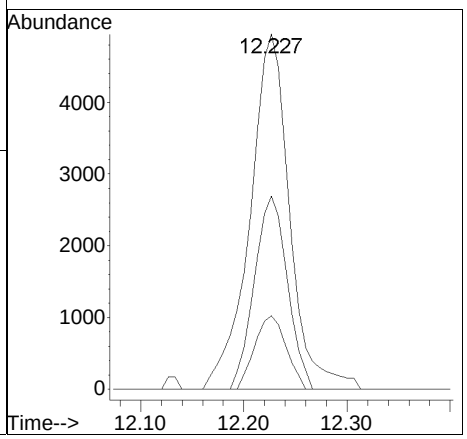


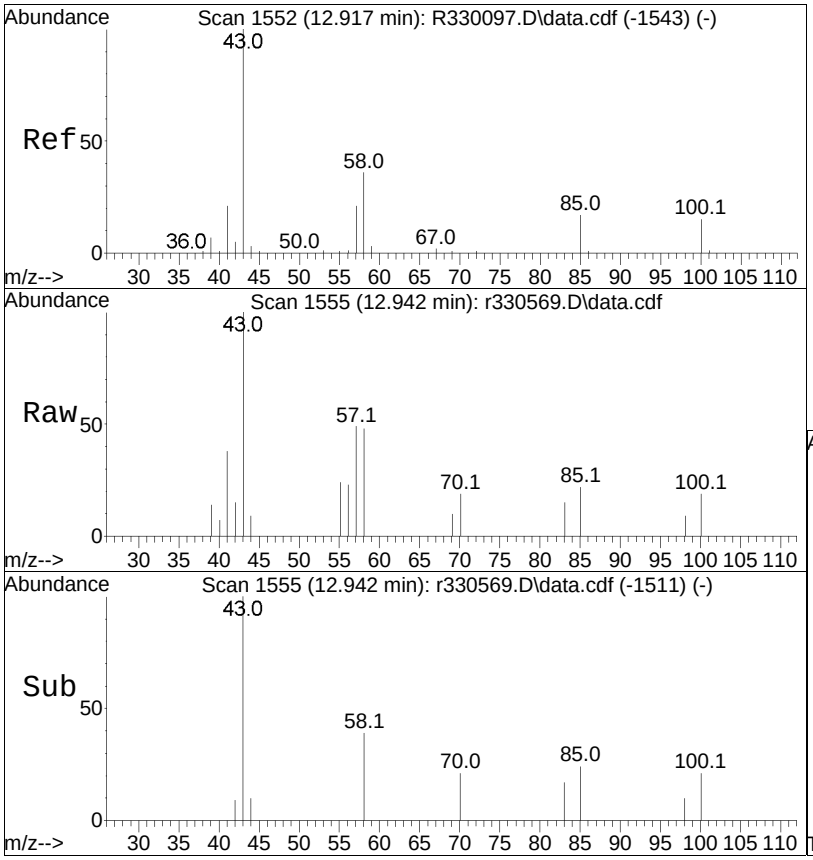


#62
heptane
Concen: 0.21 ppbV
RT: 12.227 min Scan# 1457
Delta R.T. 0.000 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion: 43 Resp: 13313

Ion	Ratio	Lower	Upper
43	100		
57	54.4	34.9	52.3#
100	20.7	14.9	22.3

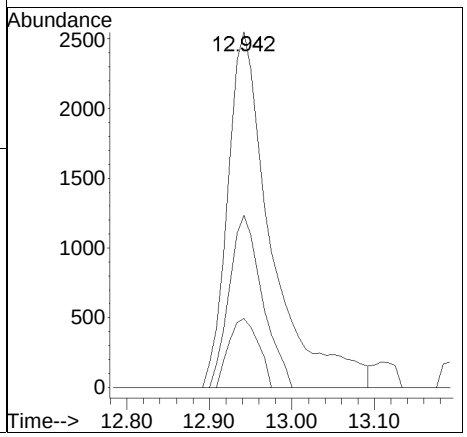


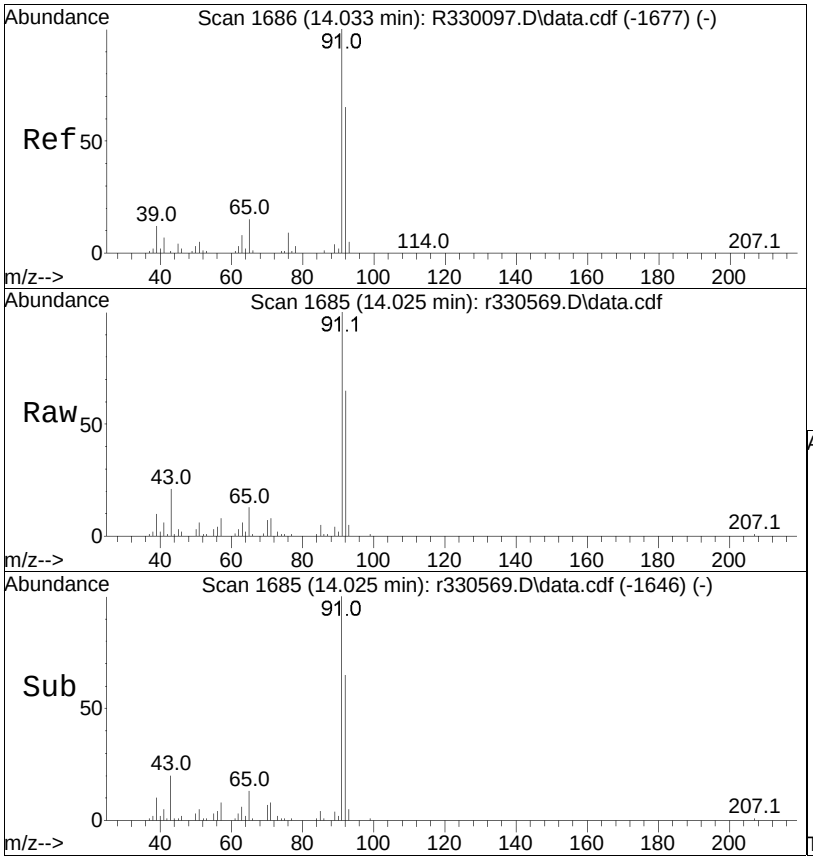


#64
4-methyl-2-pentanone
Concen: 0.13 ppbV
RT: 12.942 min Scan# 1555
Delta R.T. 0.025 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion: 43 Resp: 9401

Ion	Ratio	Lower	Upper
43	100		
58	48.4	29.1	43.7#
100	19.4	12.2	18.4#

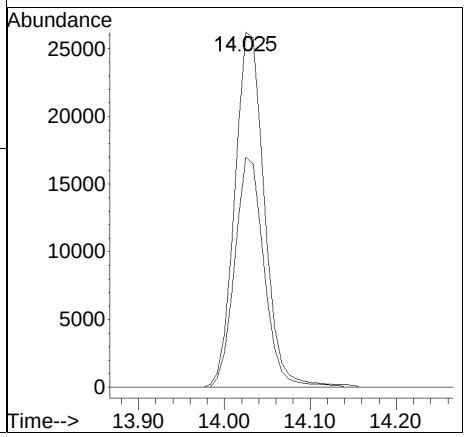


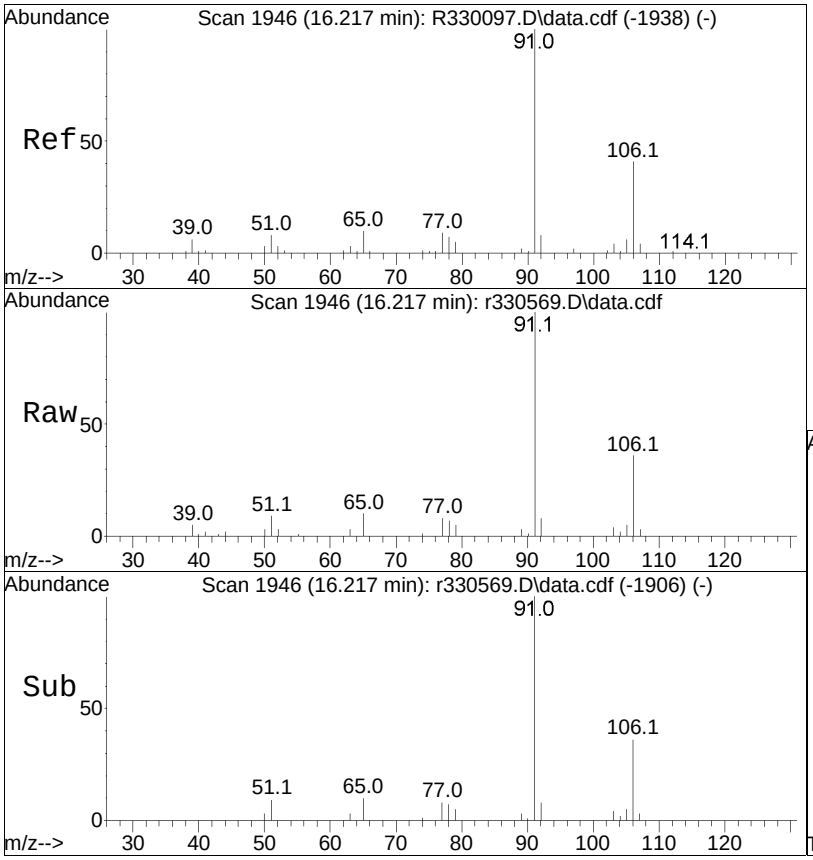


#68
toluene
Concen: 0.51 ppbV
RT: 14.025 min Scan# 1685
Delta R.T. -0.008 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion: 91 Resp: 63072

Ion	Ratio	Lower	Upper
91	100		
92	64.9	52.1	78.1

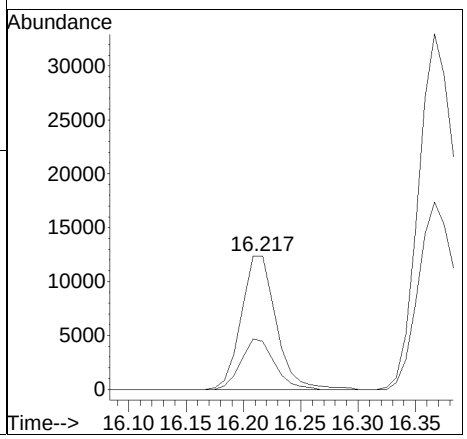


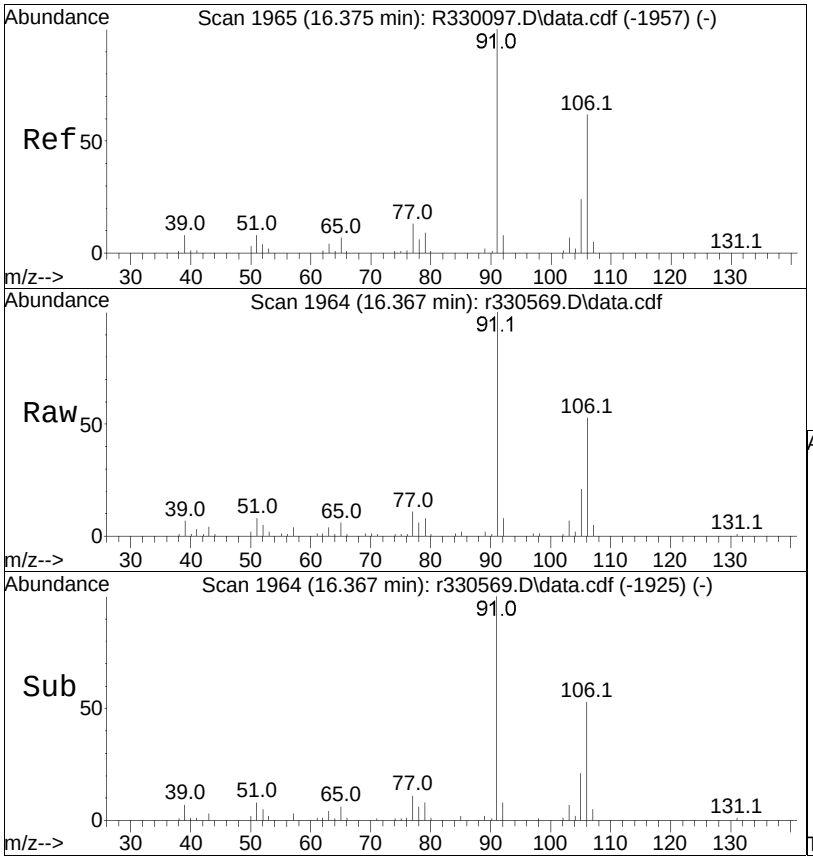


#81
ethylbenzene
Concen: 0.17 ppbV
RT: 16.217 min Scan# 1946
Delta R.T. -0.000 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion: 91 Resp: 26263

Ion	Ratio	Lower	Upper
91	100		
106	36.1	32.6	49.0

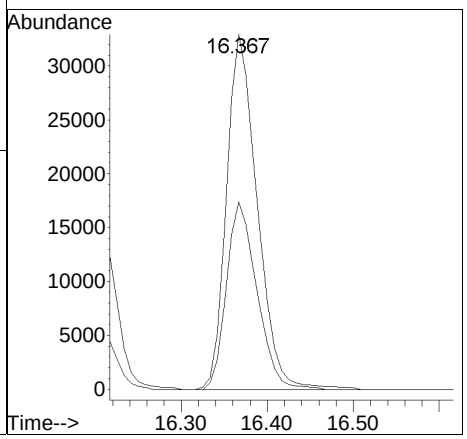


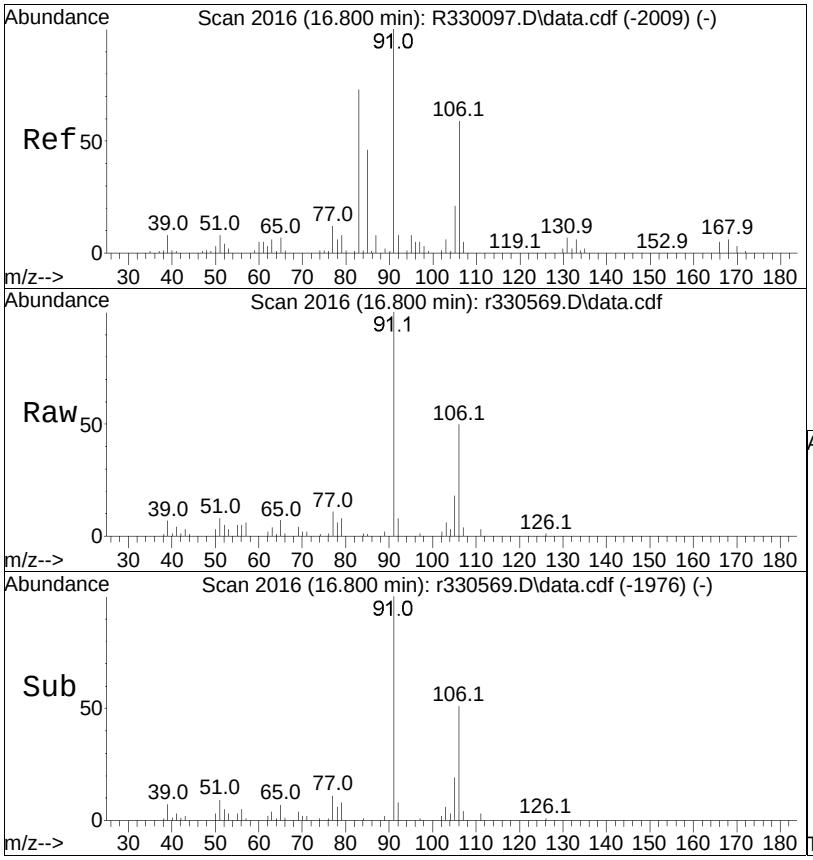


#83
m+p-xylene
Concen: 0.65 ppbV
RT: 16.367 min Scan# 1964
Delta R.T. -0.008 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion: 91 Resp: 81768

Ion	Ratio	Lower	Upper
91	100		
106	52.7	49.2	73.8

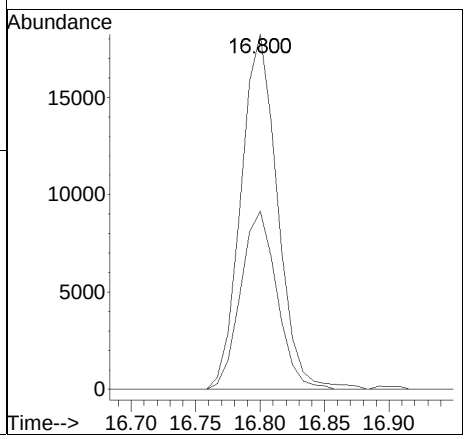


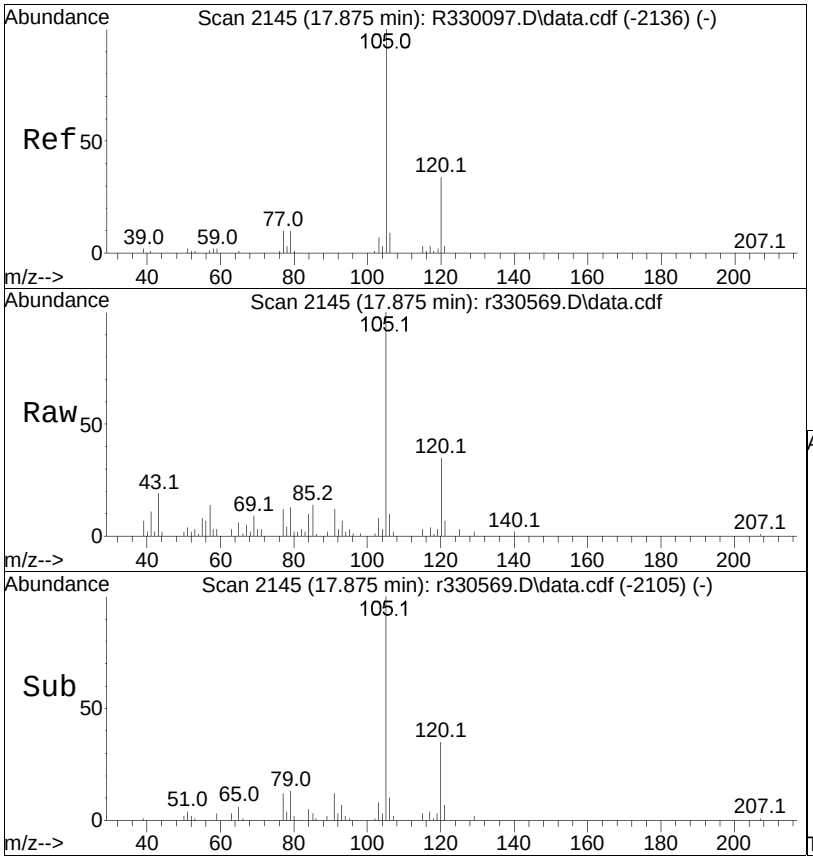


#87
o-xylene
Concen: 0.29 ppbV
RT: 16.800 min Scan# 2016
Delta R.T. 0.000 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion: 91 Resp: 36014

Ion	Ratio	Lower	Upper
91	100		
106	50.2	47.5	71.3

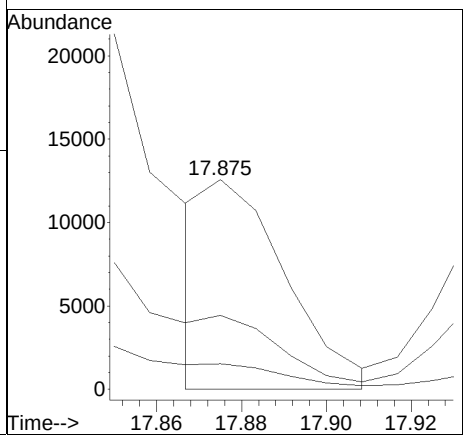


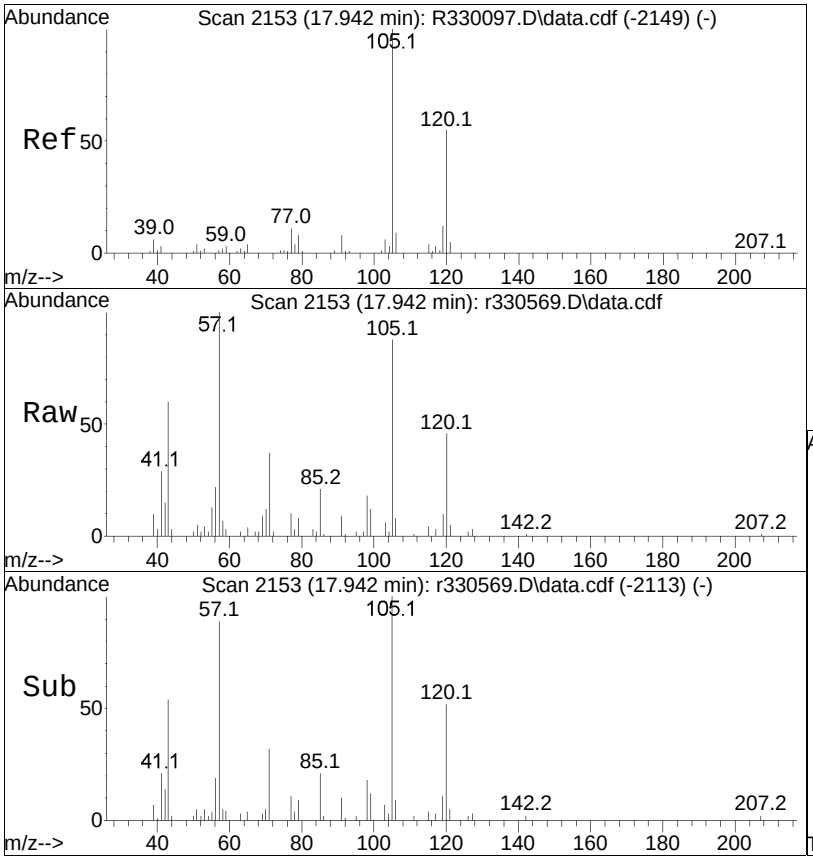


#96
4-ethyl toluene
Concen: 0.09 ppbV m
RT: 17.875 min Scan# 2145
Delta R.T. 0.000 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion:105 Resp: 16613

Ion	Ratio	Lower	Upper
105	100		
120	35.3	27.2	40.8
91	12.2	7.1	10.7#

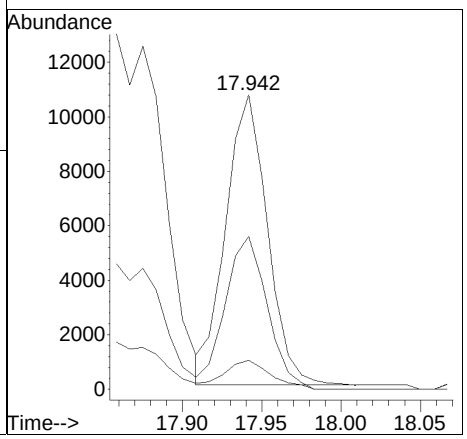


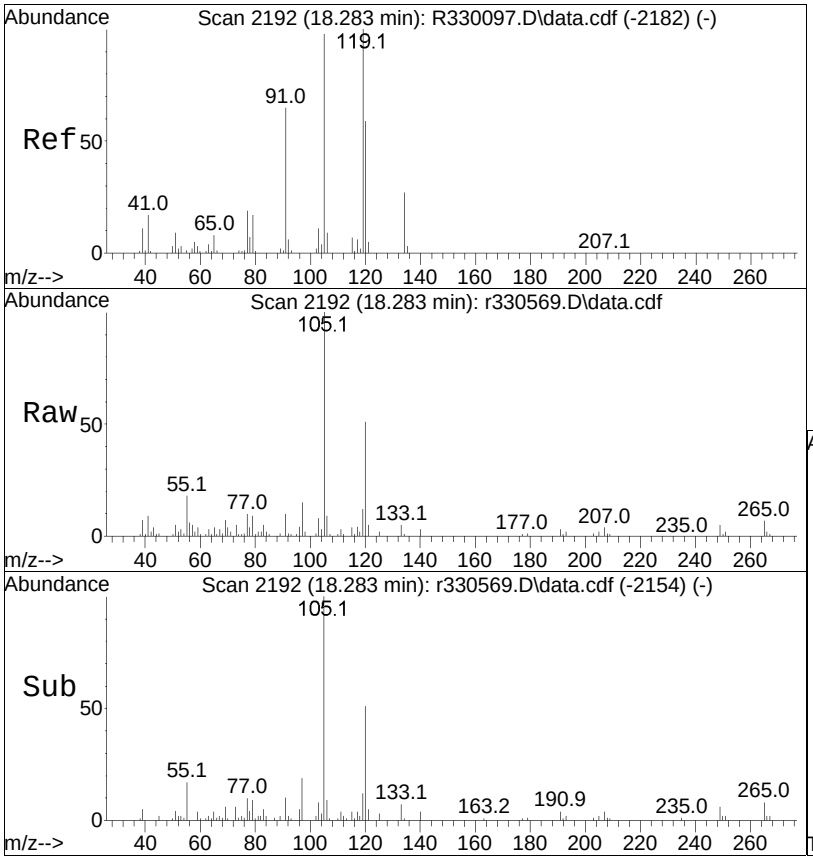


#97
1,3,5-trimethylbenzene
Concen: 0.12 ppbV
RT: 17.942 min Scan# 2153
Delta R.T. 0.000 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion:105 Resp: 19446

Ion	Ratio	Lower	Upper
105	100		
120	51.9	43.1	64.7
91	9.9	6.8	10.2

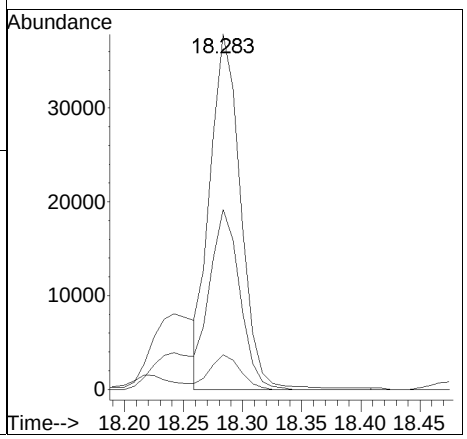


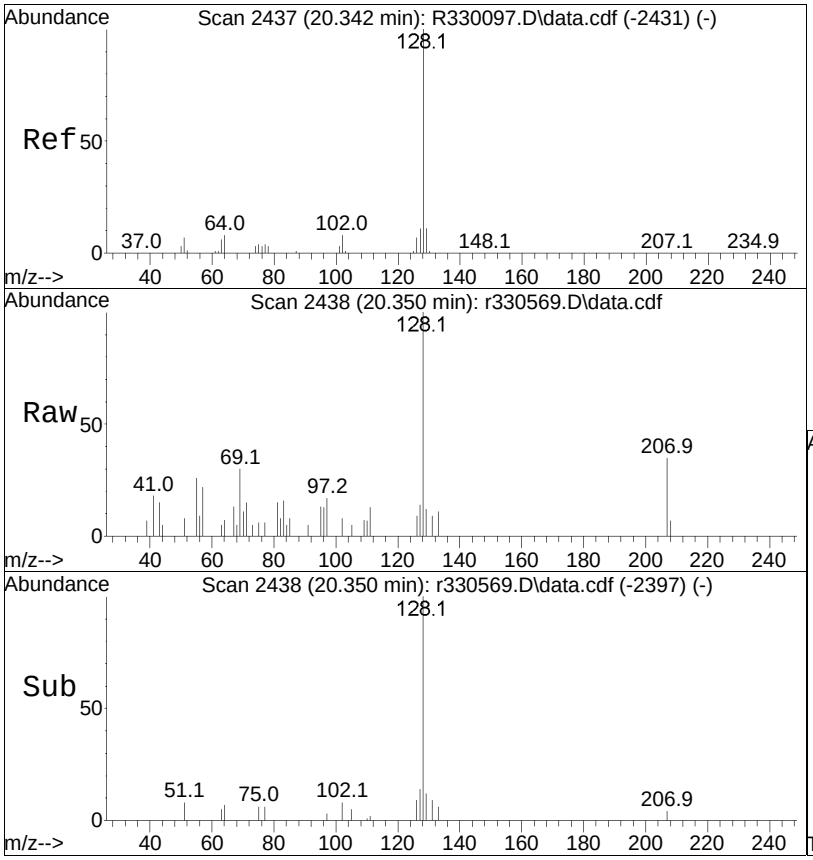


#99
1,2,4-trimethylbenzene
Concen: 0.44 ppbV m
RT: 18.283 min Scan# 2192
Delta R.T. 0.000 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion:105 Resp: 68812

Ion	Ratio	Lower	Upper
105	100		
120	50.6	47.8	71.8
91	9.7	53.4	80.0#

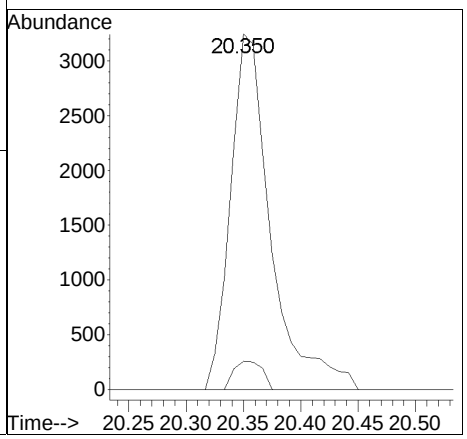




#116
naphthalene
Concen: 0.04 ppbV
RT: 20.350 min Scan# 2438
Delta R.T. 0.008 min
Lab File: r330569.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion:128 Resp: 7951

Ion	Ratio	Lower	Upper
128	100		
102	7.9	6.3	9.5

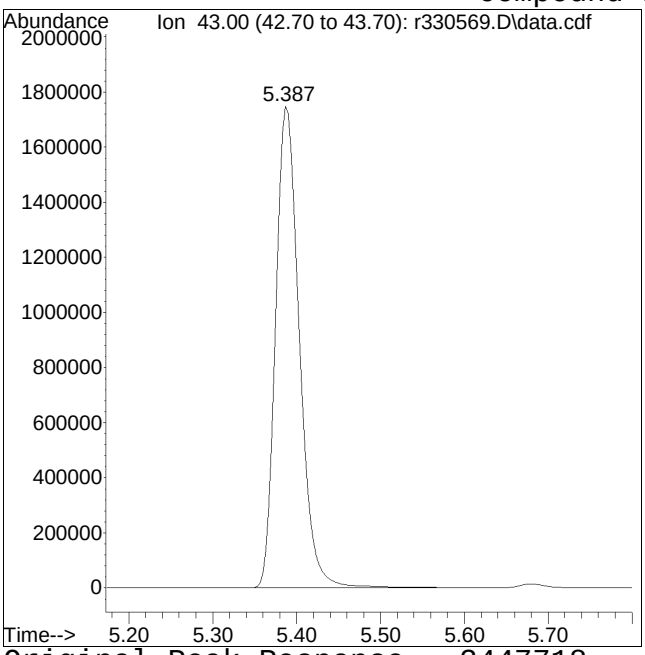


Manual Integration Report

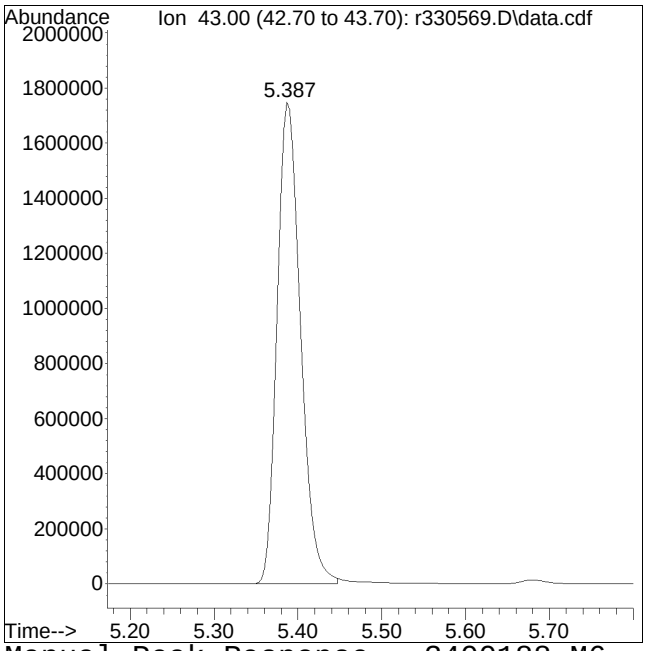
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330569.D
Date Inj'd : 4/23/2020 0:9: 8
Sample : L2419731-03,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:10 am

Compound #19: acetone



Original Peak Response = 3447718



Manual Peak Response = 3400188 M6

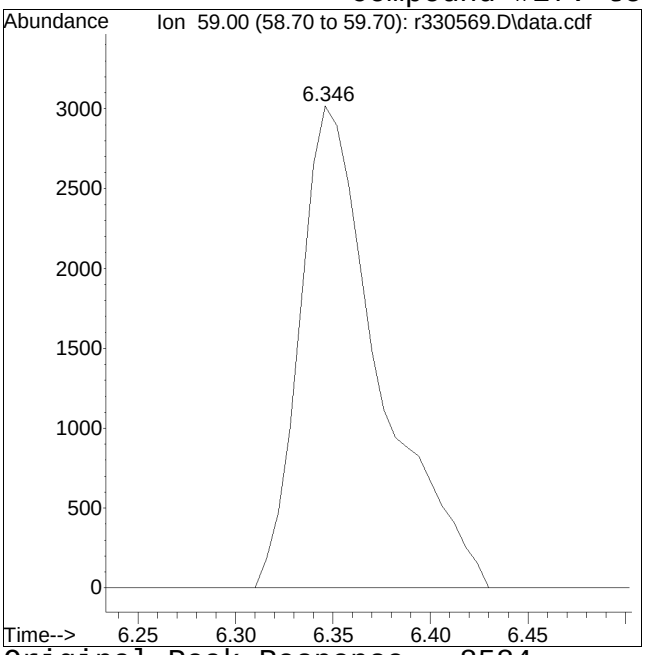
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

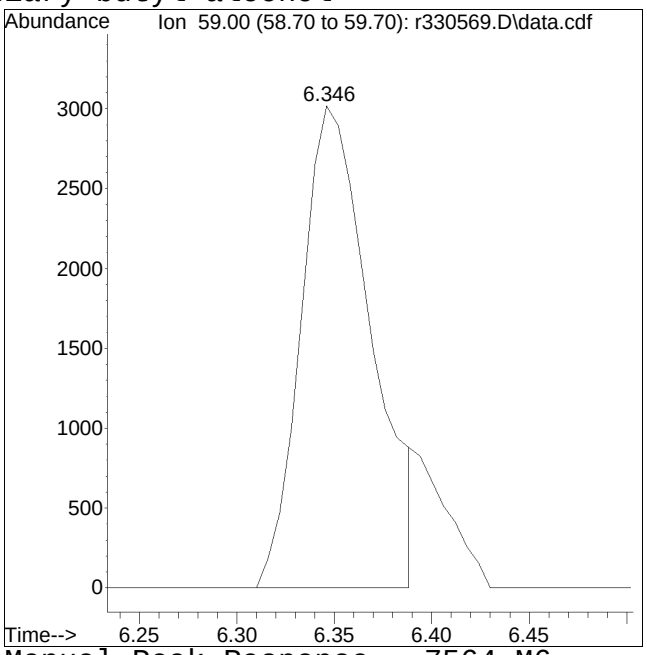
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330569.D
Date Inj'd : 4/23/2020 0:9: 8
Sample : L2419731-03,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:10 am

Compound #27: tertiary butyl alcohol



Original Peak Response = 8584



Manual Peak Response = 7564 M6

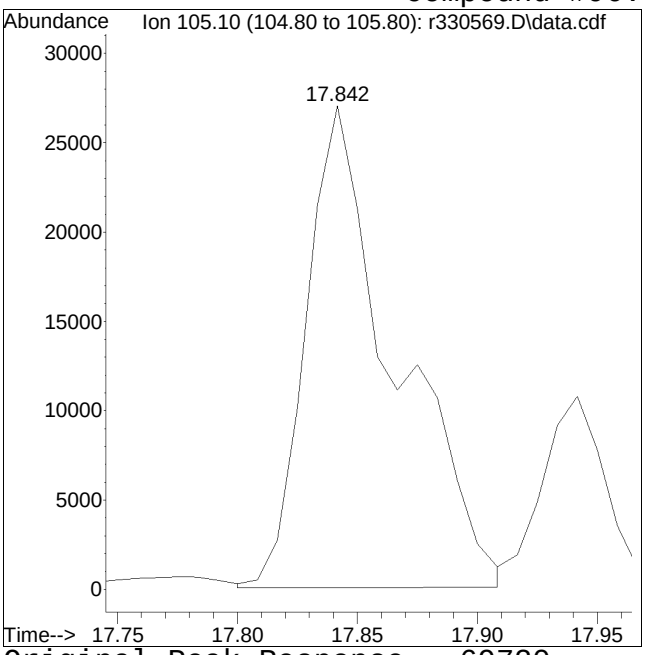
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

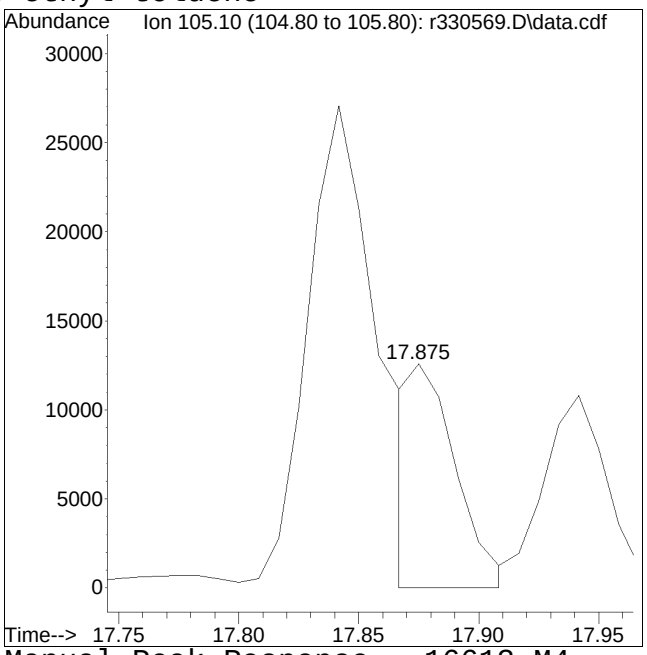
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330569.D
Date Inj'd : 4/23/2020 0:9: 8
Sample : L2419731-03,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:10 am

Compound #96: 4-ethyl toluene



Original Peak Response = 69720



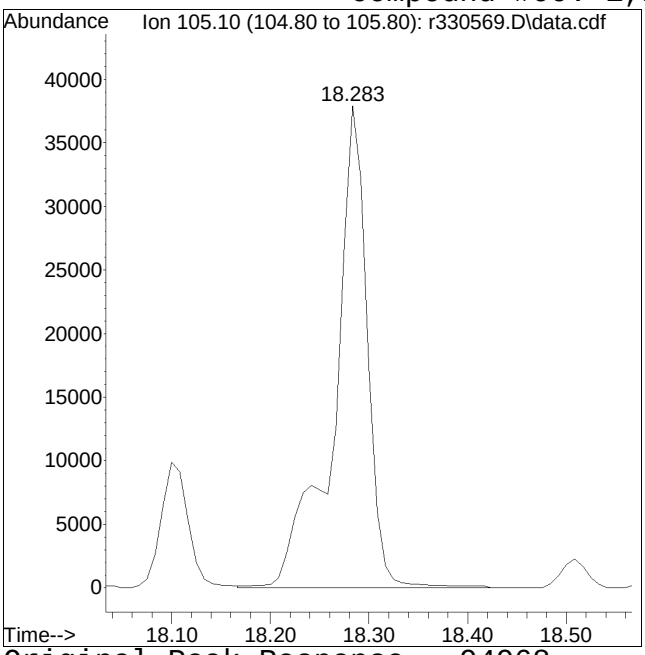
Manual Peak Response = 16613 M4

M4 = Poor automated baseline construction.

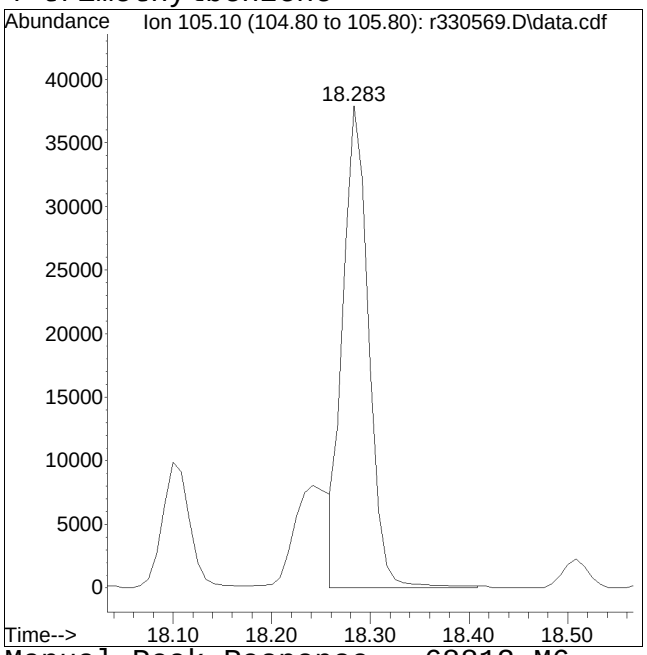
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : r330569.D Operator : AIRPIANO3:JMB
Date Inj'd : 4/23/2020 0:9: 8 Instrument :
Sample : L2419731-03,3,250,250 Quant Date : 4/24/2024 7:10 am

Compound #99: 1,2,4-trimethylbenzene



Original Peak Response = 94968



Manual Peak Response = 68812 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330570.D
Acq On : 23 Apr 2024 10:28 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-04,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:11:09 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423T\r330561.D
Sub List : TO15-NY+NAPH-7-SIM - .

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	8.817	49	347609	10.000	ppbV		0.00
Standard Area = 361003			Recovery = 96.29%				
43) 1,4-difluorobenzene	11.053	114	1139678	10.000	ppbV		0.00
Standard Area = 1163384			Recovery = 97.96%				
67) chlorobenzene-D5	15.817	54	170887	10.000	ppbV	#	0.00
Standard Area = 169079			Recovery = 101.07%				
System Monitoring Compounds							
Target Compounds							Qvalue
5) dichlorodifluoromethane	3.798	85	16748	0.442	ppbV		97
6) chloromethane	3.954	50	9334	0.493	ppbV		95
7) Freon-114	4.056		0	N.D.			
10) 1,3-butadiene	4.314	54	799	0.048	ppbV		97
13) bromomethane	4.584		0	N.D.			
14) chloroethane	4.764		0	N.D.			
15) ethanol	4.890	31	386040	32.467	ppbV	#	78
17) vinyl bromide	0.000		0	N.D.			
19) acetone	5.390	43	3729584	98.583	ppbV	#	77
21) trichlorofluoromethane	5.587	101	9756	0.253	ppbV		98
22) isopropyl alcohol	5.683	45	158091	3.135	ppbV	#	96
27) tertiary butyl alcohol	6.352	59	8159M6	0.163	ppbV		
28) methylene chloride	6.418	49	6115	0.220	ppbV		98
29) 3-chloropropene	6.472		0	N.D.			
30) carbon disulfide	6.712	76	4320	0.050	ppbV	#	43
31) Freon 113	6.718	101	3574	0.079	ppbV		95
32) trans-1,2-dichloroethene	0.000		0	N.D.			
33) 1,1-dichloroethane	7.683		0	N.D.			
34) MTBE	7.733		0	N.D.			
36) 2-butanone	8.142	43	103453	1.599	ppbV	#	96
38) Ethyl Acetate	8.925	61	8538	0.881	ppbV	#	25
39) chloroform	8.975	83	6343	0.148	ppbV		97
40) Tetrahydrofuran	9.425	42	93242	2.232	ppbV		95
42) 1,2-dichloroethane	9.808		0	N.D.			
44) hexane	8.892	57	96723	2.262	ppbV	#	1
50) benzene	10.627	78	26363	0.273	ppbV	#	92
53) cyclohexane	10.940	56	8796	0.194	ppbV	#	85
56) 1,2-dichloropropane	0.000		0	N.D.			

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330570.D
Acq On : 23 Apr 2024 10:28 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-04,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:11:09 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423T\r330561.D
Sub List : TO15-NY+NAPH-7-SIM - .

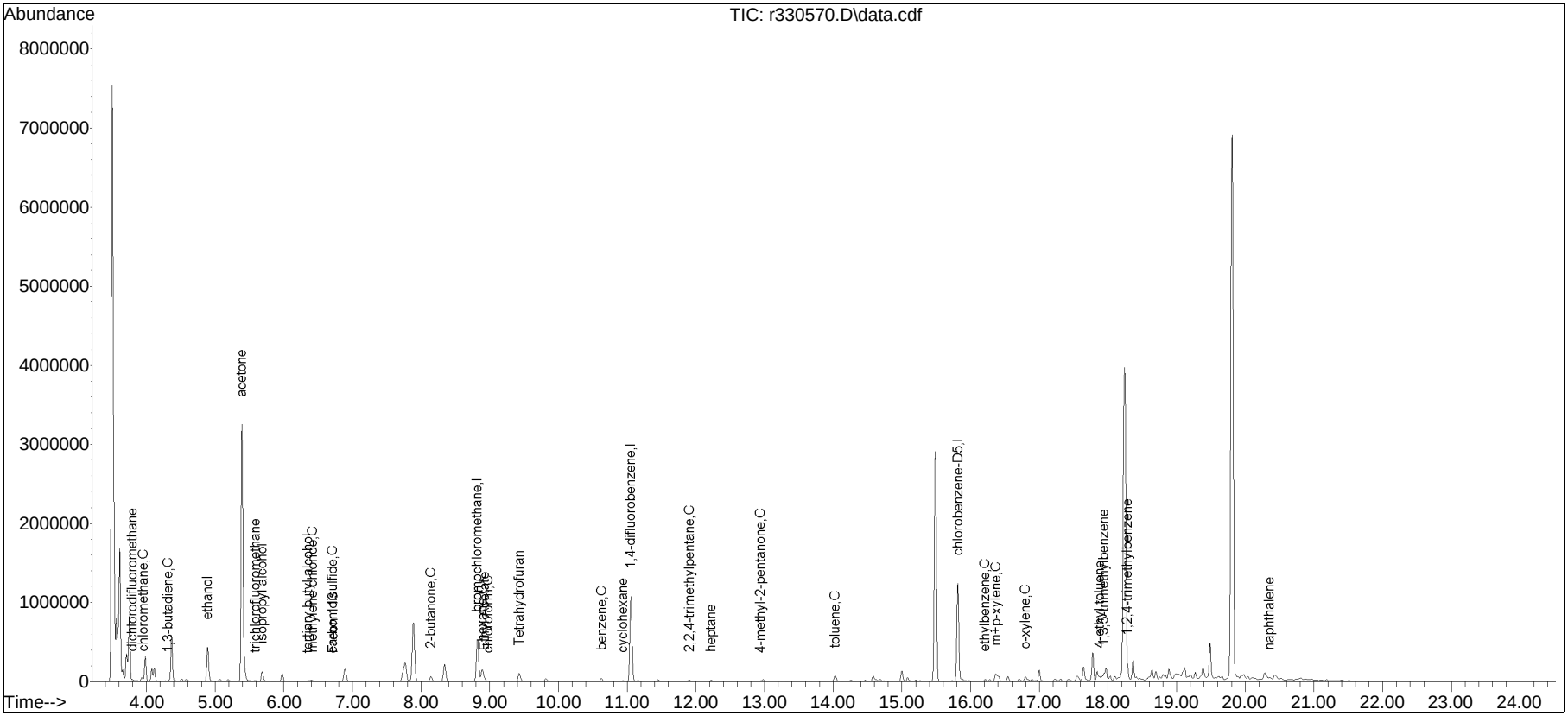
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	11.800		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	11.907	57	23323	0.169	ppbV	96
62) heptane	12.220	43	13044	0.210	ppbV #	88
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.942	43	8608	0.118	ppbV #	87
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	14.025	91	61413	0.505	ppbV	98
72) 2-hexanone	0.000		0	N.D.	d	
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
80) chlorobenzene	0.000		0	N.D.	d	
81) ethylbenzene	16.208	91	28047	0.183	ppbV	92
83) m+p-xylene	16.367	91	87491	0.713	ppbV	88
84) bromoform	0.000		0	N.D.		
85) styrene	16.717		0	N.D.		
86) 1,1,2,2-tetrachloroethane	16.783		0	N.D.		
87) o-xylene	16.800	91	40012	0.329	ppbV	87
96) 4-ethyl toluene	17.875	105	21374M4	0.118	ppbV	
97) 1,3,5-trimethylbenzene	17.942	105	25926	0.165	ppbV	97
99) 1,2,4-trimethylbenzene	18.283	105	97502M6	0.645	ppbV	
101) Benzyl Chloride	0.000		0	N.D.	d	
102) 1,3-dichlorobenzene	18.483		0	N.D.		
103) 1,4-dichlorobenzene	18.483		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	20.242		0	N.D.		
116) naphthalene	20.350	128	12776M4	0.066	ppbV	
119) hexachlorobutadiene	0.000		0	N.D.		

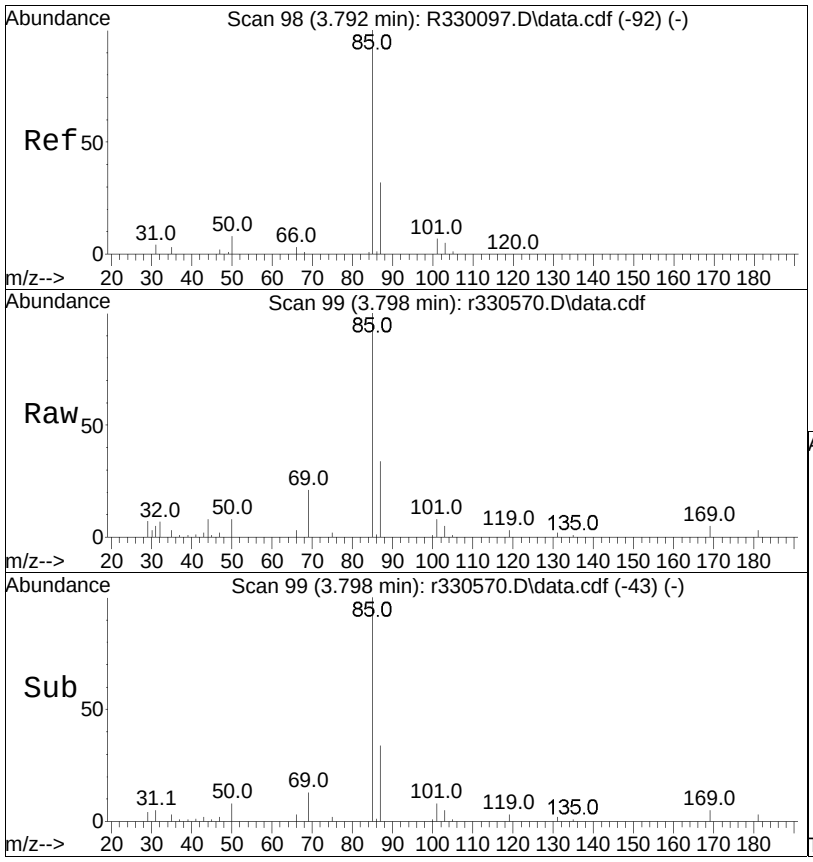
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY+NAPH-7-SIM - .iano3\2024\04\0423T\r330561.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330570.D
Acq On : 23 Apr 2024 10:28 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-04,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:11:09 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

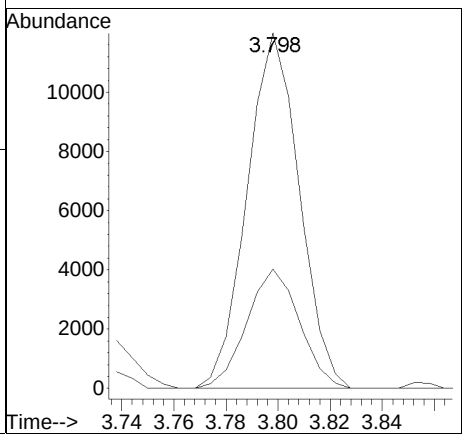


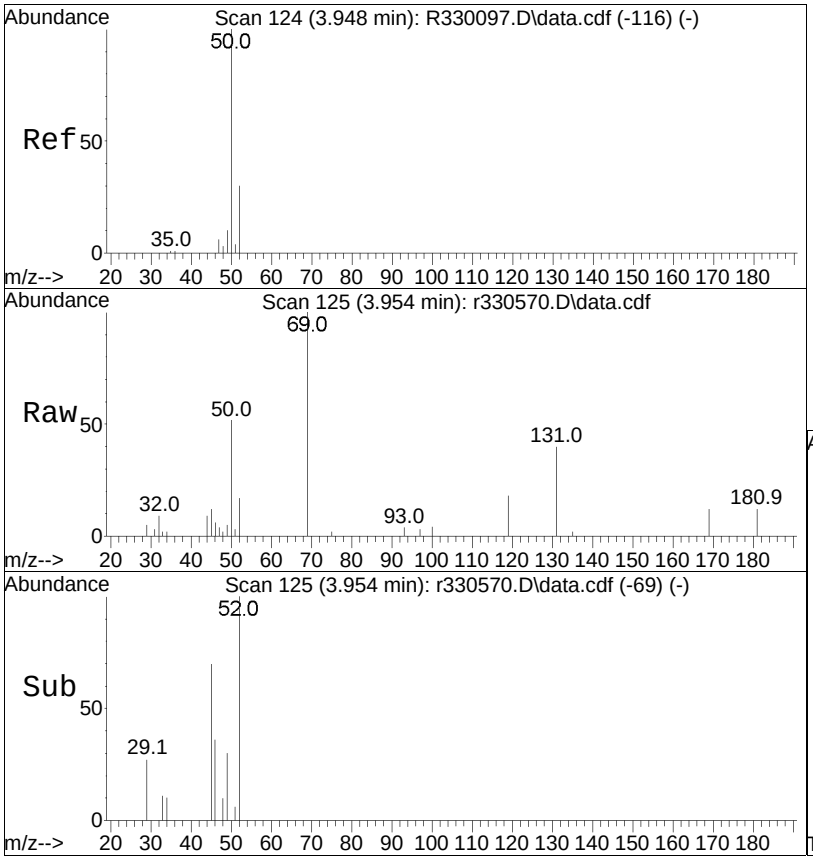


#5
dichlorodifluoromethane
Concen: 0.44 ppbV
RT: 3.798 min Scan# 99
Delta R.T. 0.006 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion: 85 Resp: 16748

Ion	Ratio	Lower	Upper
85	100		
87	33.6	25.4	38.2

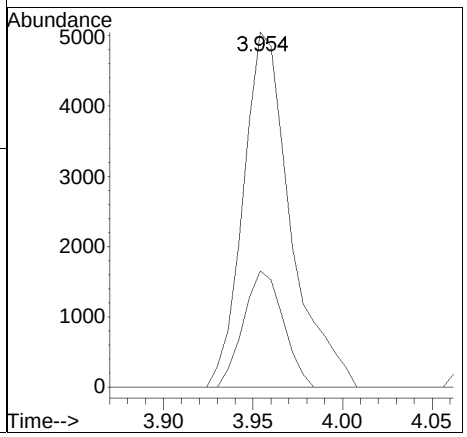


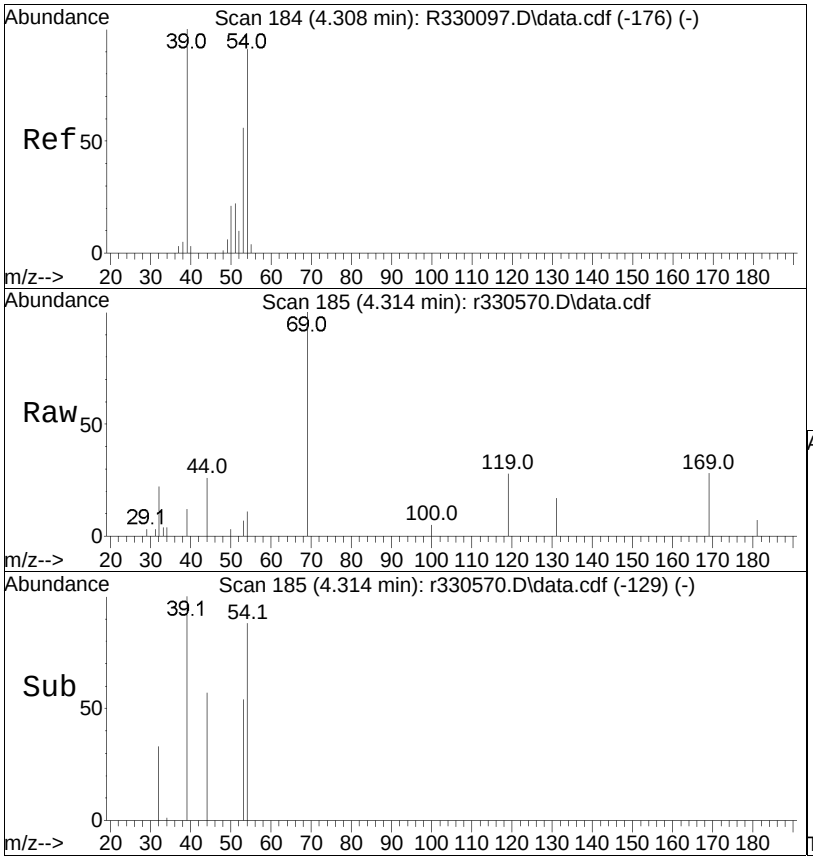


#6
chloromethane
Concen: 0.49 ppbV
RT: 3.954 min Scan# 125
Delta R.T. 0.006 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion: 50 Resp: 9334

Ion	Ratio	Lower	Upper
50	100		
52	32.8	24.0	36.0

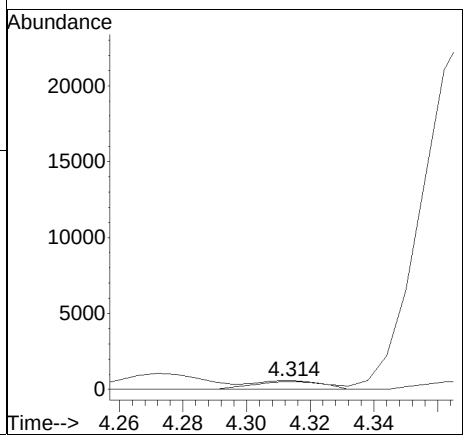


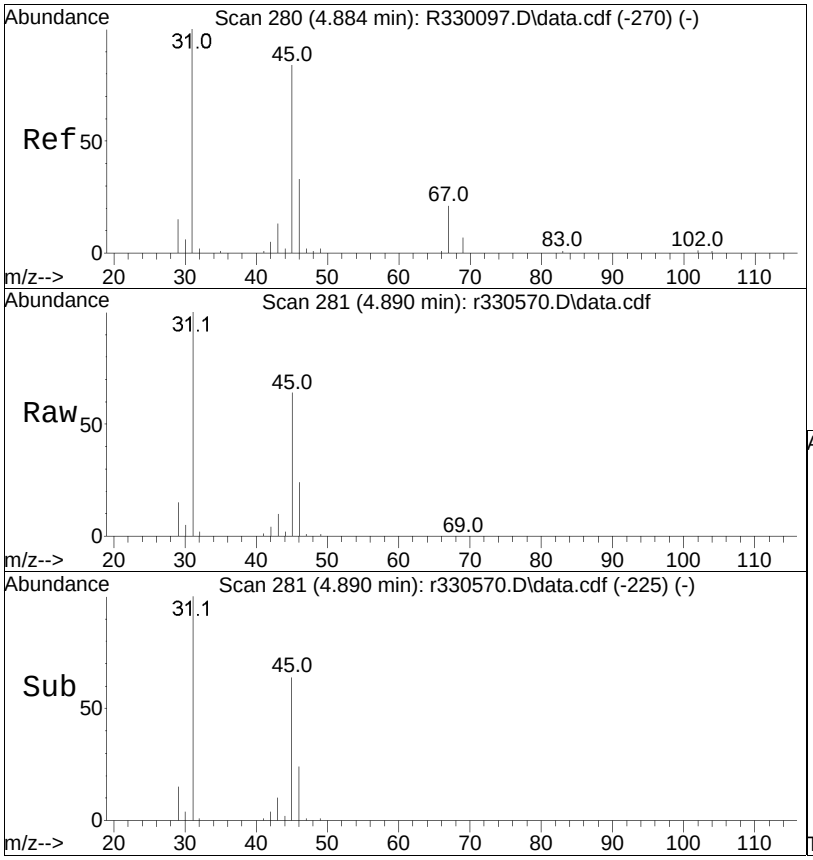


#10
1,3-butadiene
Concen: 0.05 ppbV
RT: 4.314 min Scan# 185
Delta R.T. 0.006 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion: 54 Resp: 799

Ion	Ratio	Lower	Upper
54	100		
39	113.6	88.2	132.4

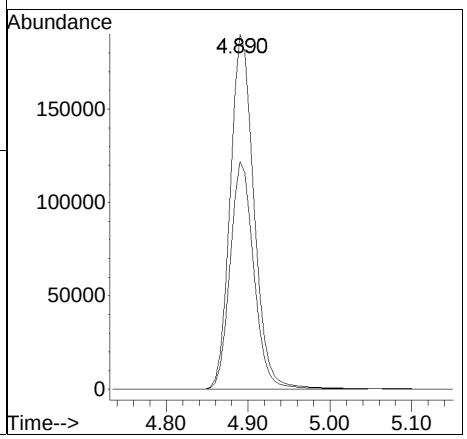


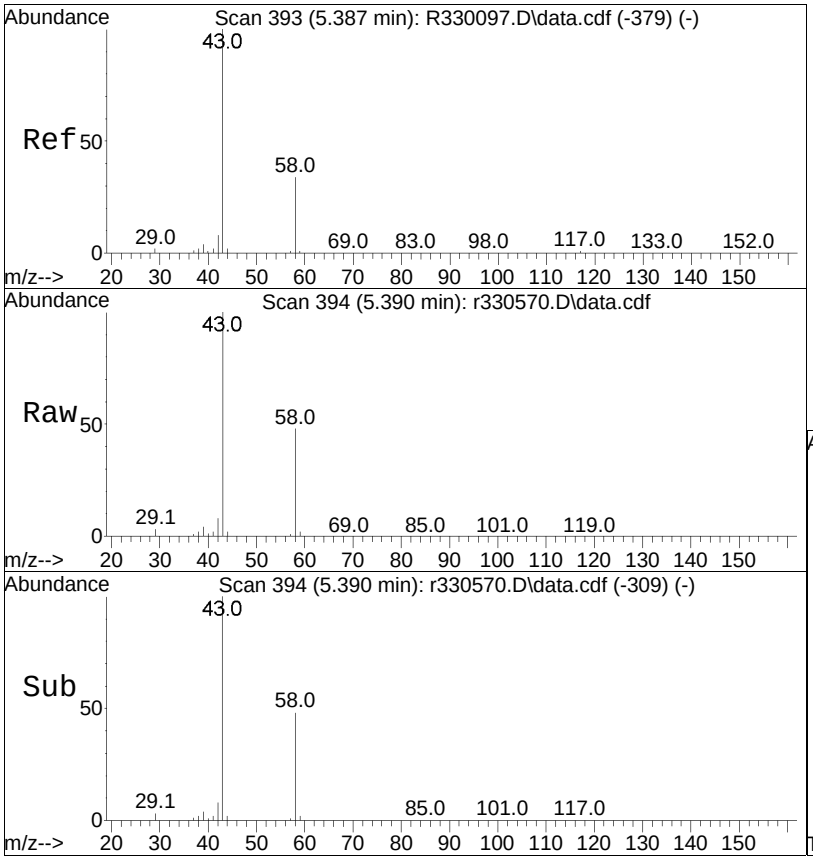


#15
ethanol
Concen: 32.47 ppbV
RT: 4.890 min Scan# 281
Delta R.T. 0.006 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion: 31 Resp: 386040

Ion	Ratio	Lower	Upper
31	100		
45	64.2	67.5	101.3#

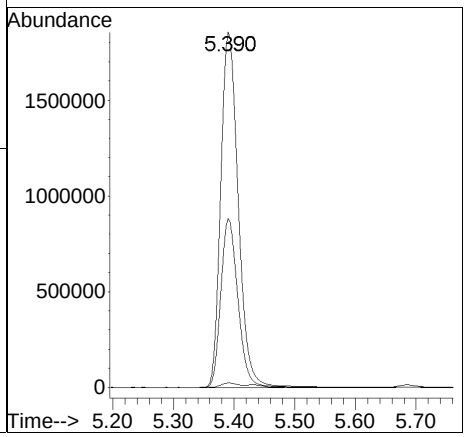


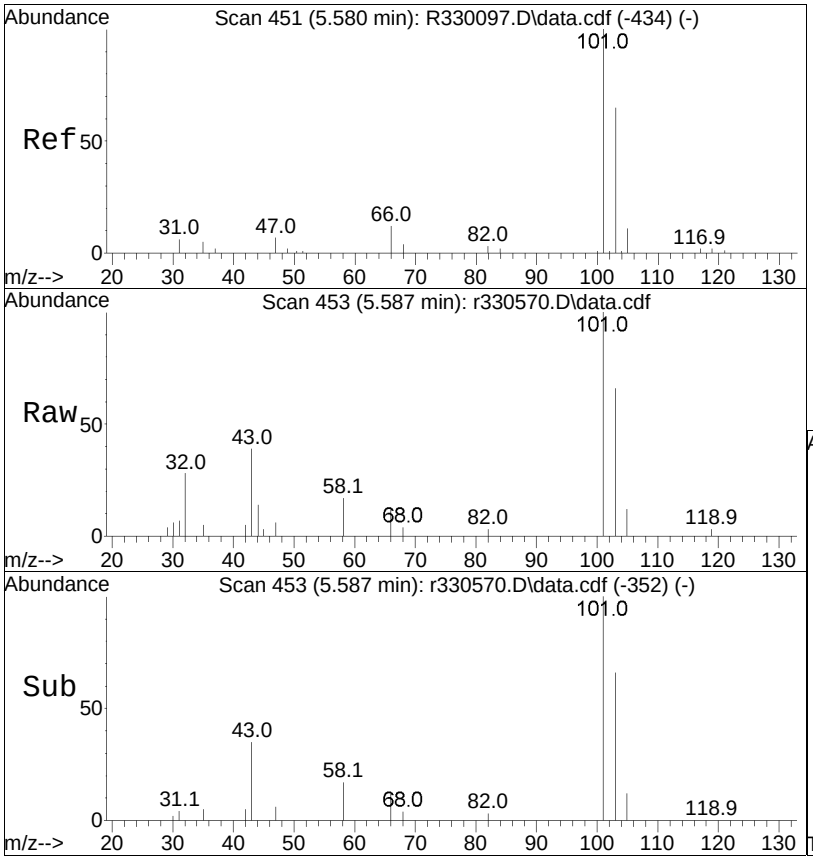


#19
acetone
Concen: 98.58 ppbV
RT: 5.390 min Scan# 394
Delta R.T. 0.003 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion: 43 Resp: 3729584

Ion	Ratio	Lower	Upper
43	100		
58	47.6	27.3	40.9#
57	1.2	0.8	1.2#

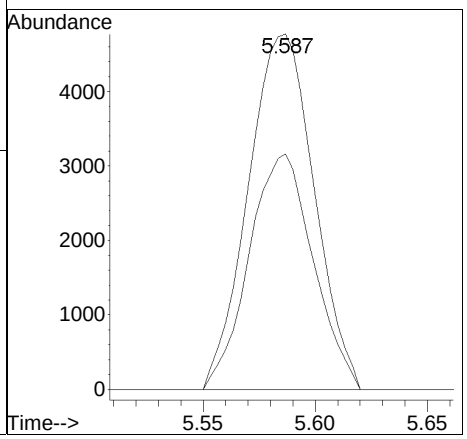


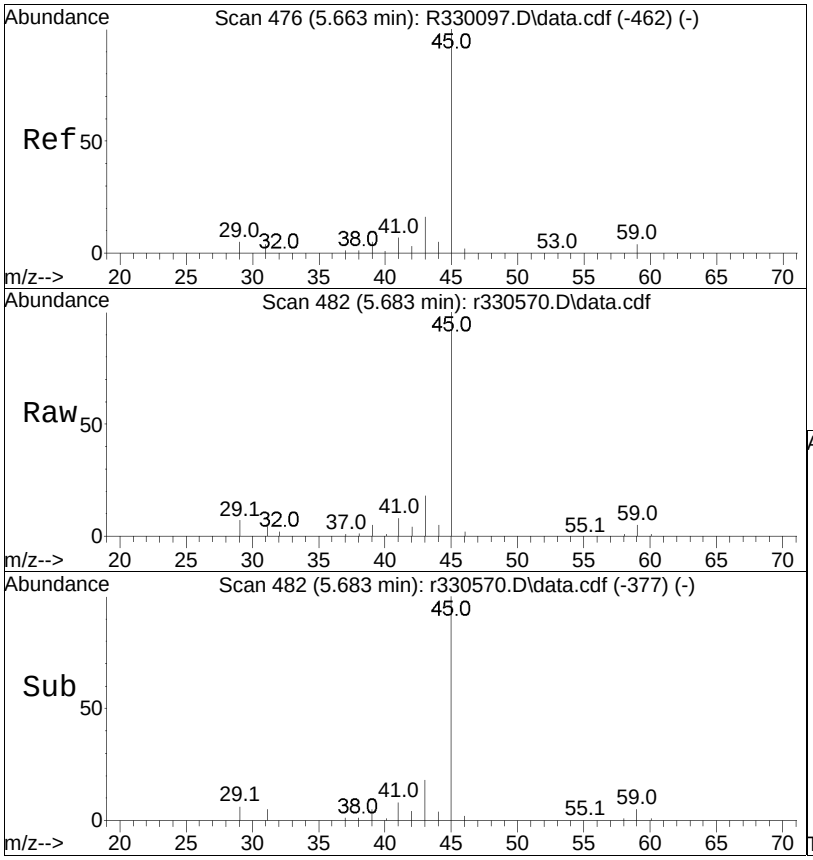


#21
trichlorofluoromethane
Concen: 0.25 ppbV
RT: 5.587 min Scan# 453
Delta R.T. 0.007 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion:101 Resp: 9756

Ion	Ratio	Lower	Upper
101	100		
103	66.3	52.0	78.0

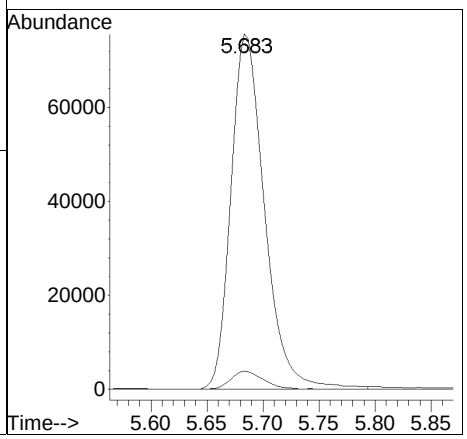


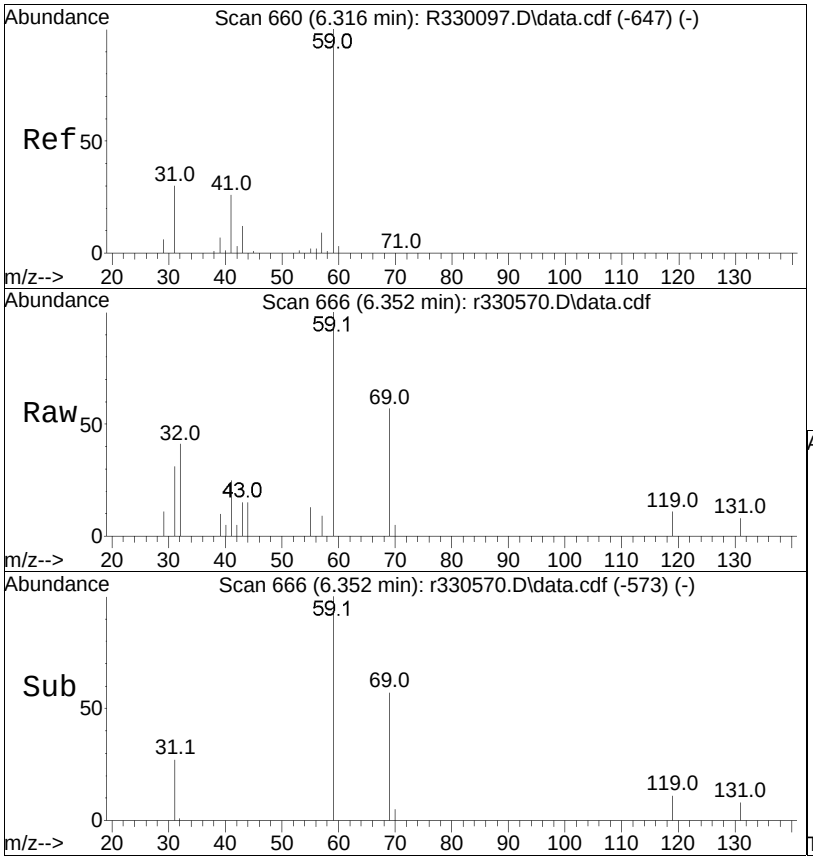


#22
isopropyl alcohol
Concen: 3.13 ppbV
RT: 5.683 min Scan# 482
Delta R.T. 0.020 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion: 45 Resp: 158091

Ion	Ratio	Lower	Upper
45	100		
59	5.2	3.0	4.4#

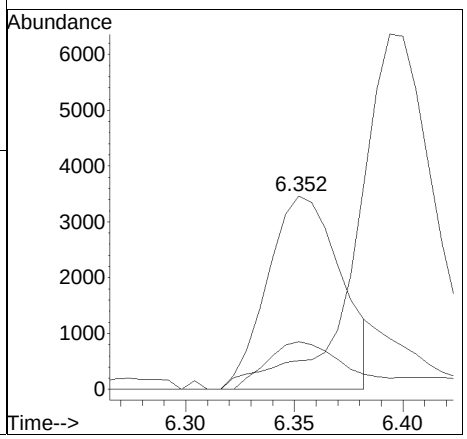


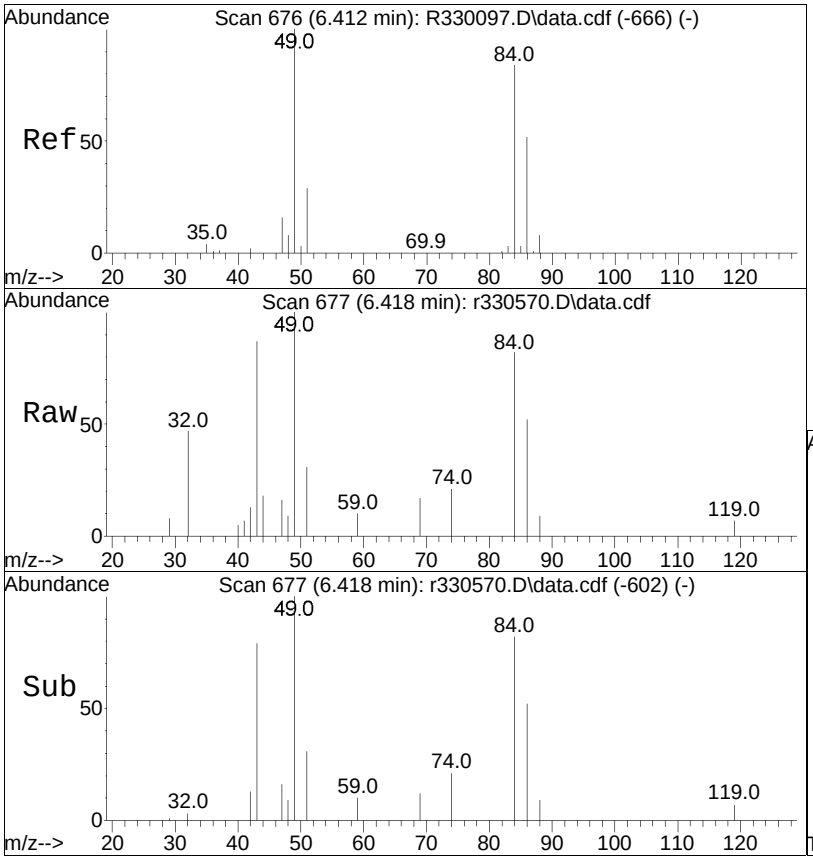


#27
tertiary butyl alcohol
Concen: 0.16 ppbV m
RT: 6.352 min Scan# 666
Delta R.T. 0.036 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion: 59 Resp: 8159

Ion	Ratio	Lower	Upper
59	100		
41	24.7	20.4	30.6
43	14.9	9.4	14.0#

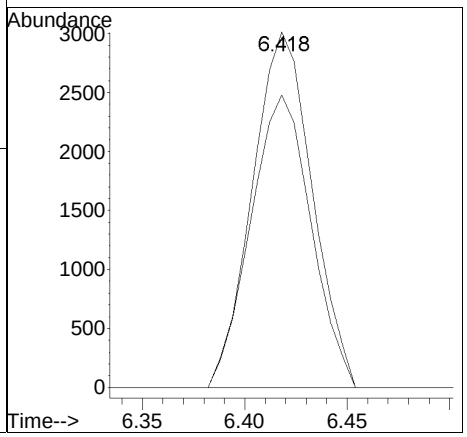


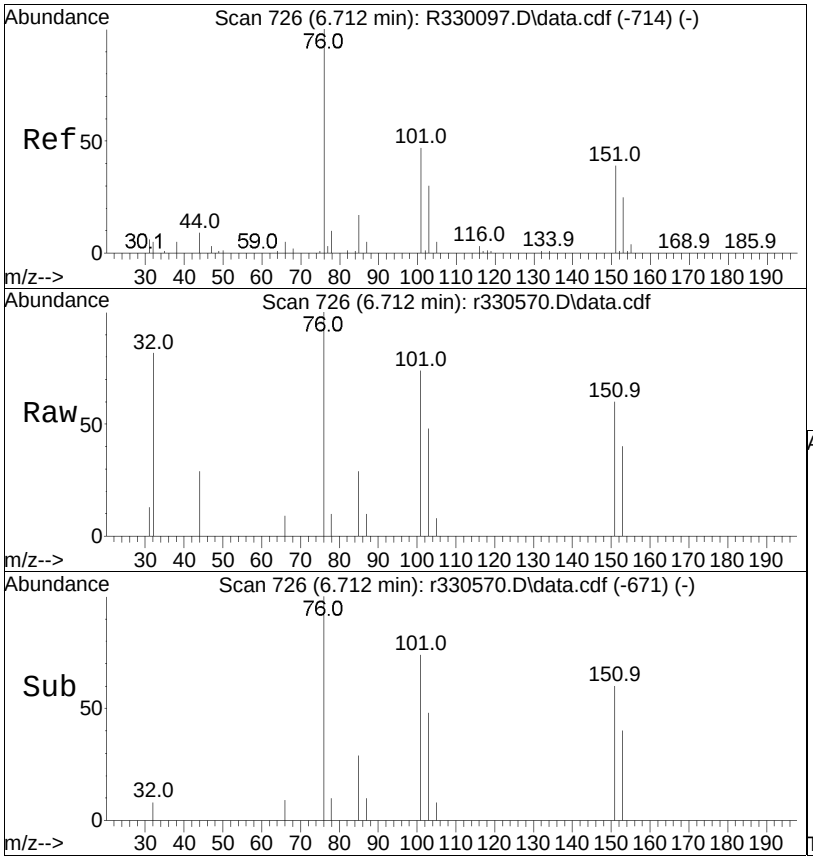


#28
methylene chloride
Concen: 0.22 ppbV
RT: 6.418 min Scan# 677
Delta R.T. 0.006 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion: 49 Resp: 6115

Ion	Ratio	Lower	Upper
49	100		
84	82.3	67.0	100.4

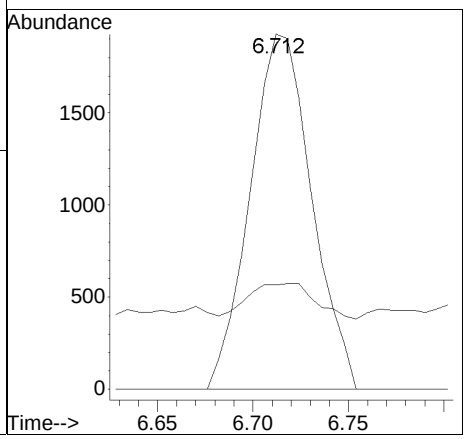


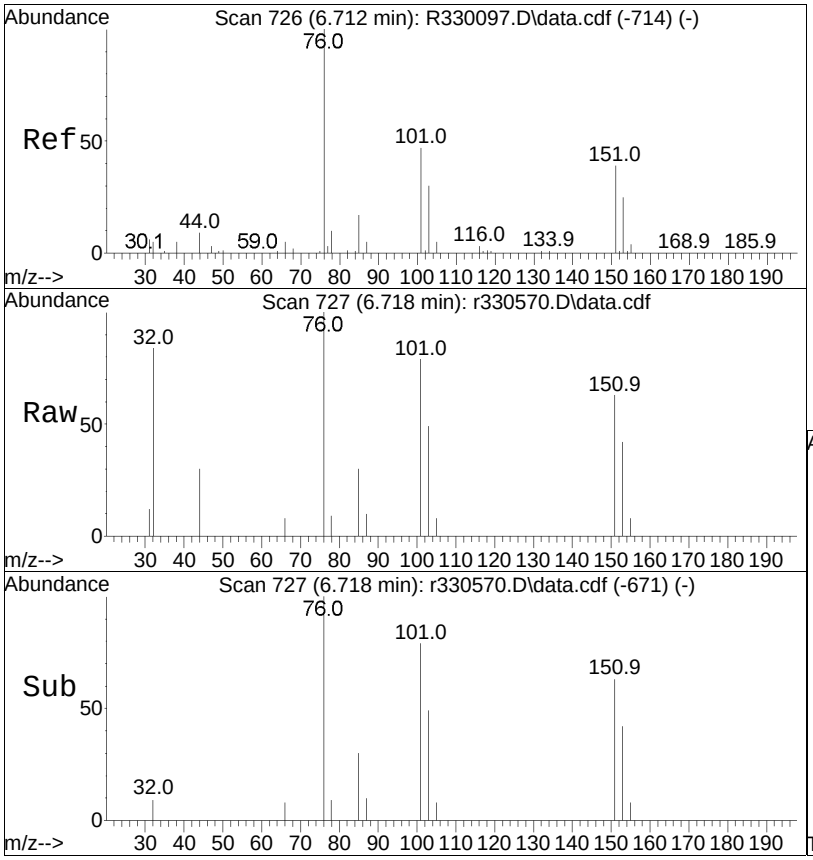


#30
carbon disulfide
Concen: 0.05 ppbV
RT: 6.712 min Scan# 726
Delta R.T. 0.000 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion: 76 Resp: 4320

Ion	Ratio	Lower	Upper
76	100		
44	29.4	7.1	10.7#

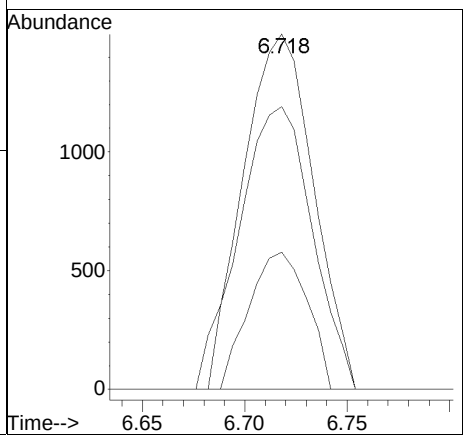


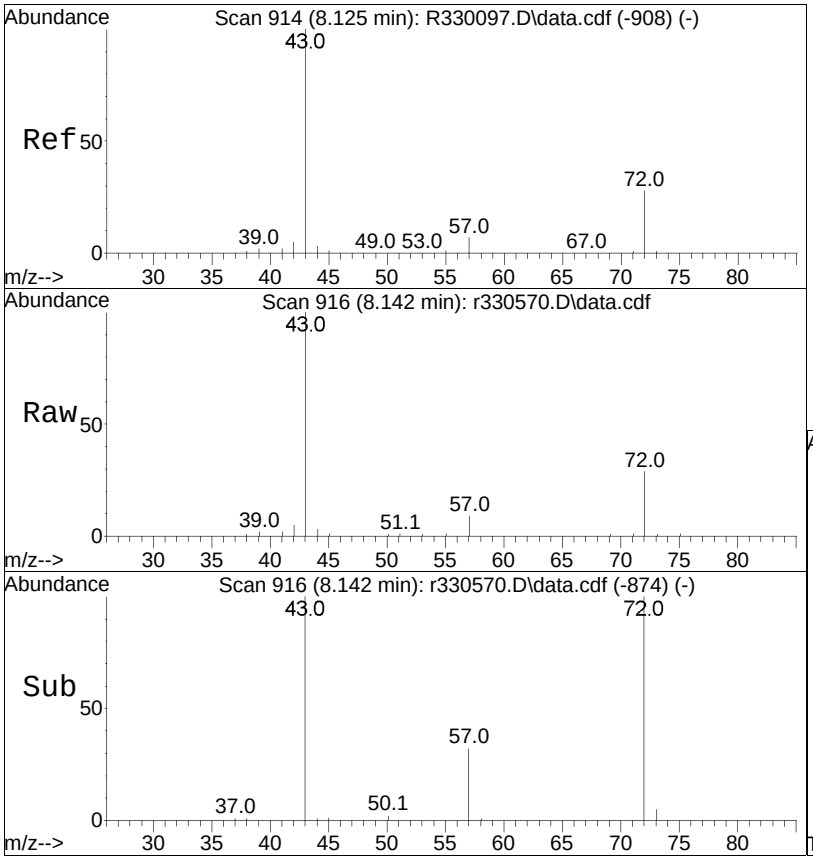


#31
Freon 113
Concen: 0.08 ppbV
RT: 6.718 min Scan# 727
Delta R.T. 0.006 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion:101 Resp: 3574

Ion	Ratio	Lower	Upper
101	100		
85	38.6	28.5	42.7
151	79.6	66.9	100.3

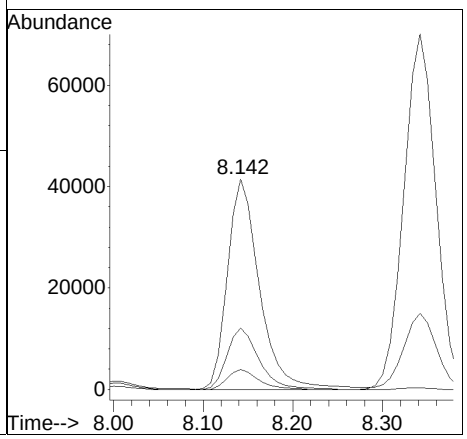


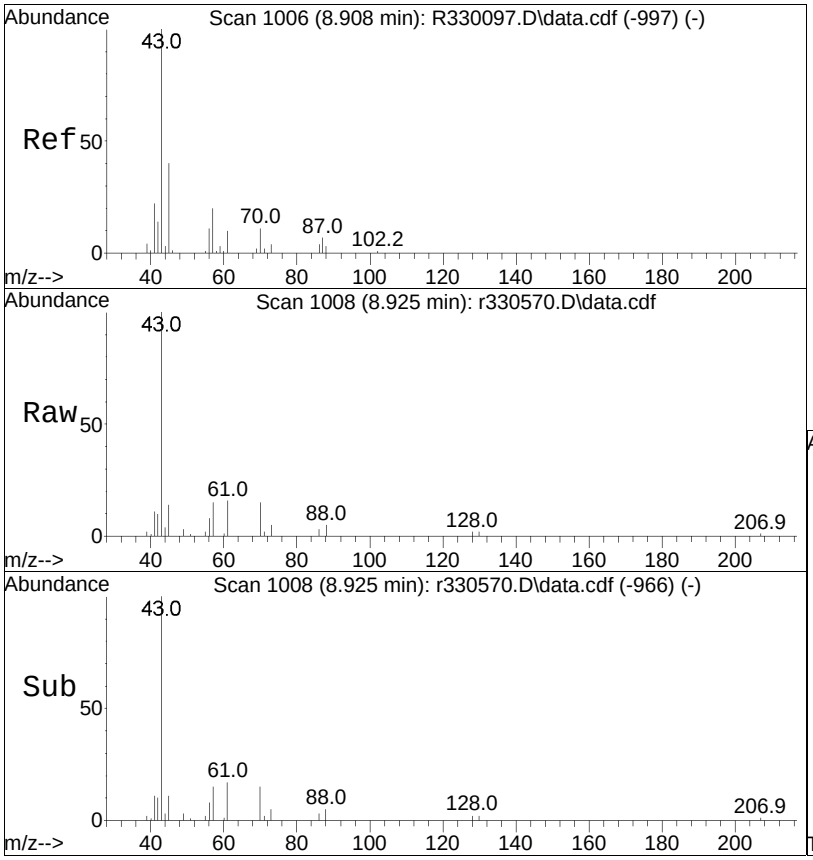


#36
2-butanone
Concen: 1.60 ppbV
RT: 8.142 min Scan# 916
Delta R.T. 0.017 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion: 43 Resp: 103453

Ion	Ratio	Lower	Upper
43	100		
72	29.2	22.1	33.1
57	9.5	5.3	7.9#

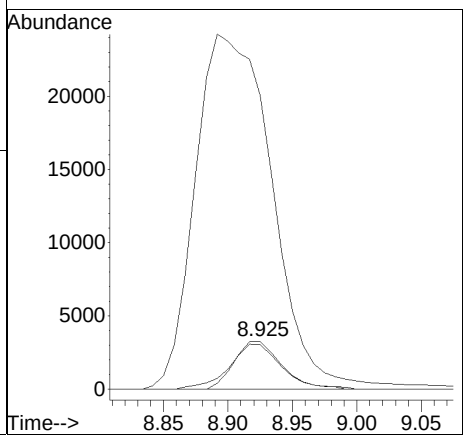


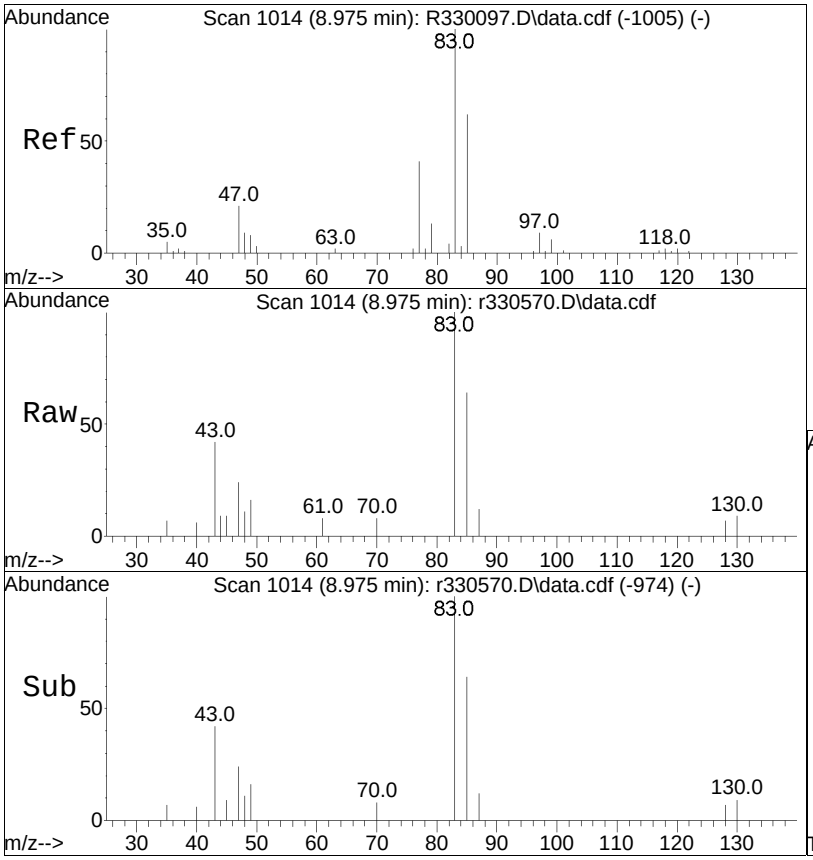


#38
Ethyl Acetate
Concen: 0.88 ppbV
RT: 8.925 min Scan# 1008
Delta R.T. 0.017 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion: 61 Resp: 8538

Ion	Ratio	Lower	Upper
61	100		
70	92.8	87.4	131.0
43	611.5	771.8	1157.6#

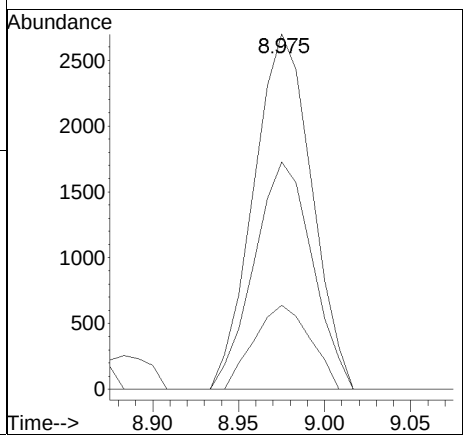


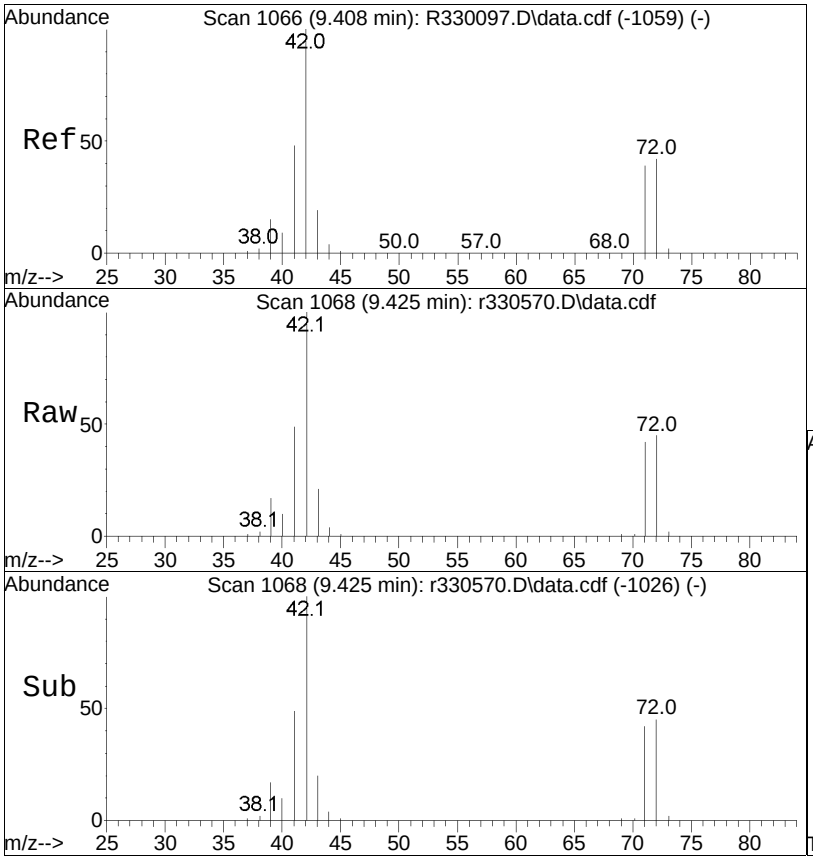


#39
chloroform
Concen: 0.15 ppbV
RT: 8.975 min Scan# 1014
Delta R.T. 0.000 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion: 83 Resp: 6343

Ion	Ratio	Lower	Upper
83	100		
85	64.0	49.8	74.8
47	23.7	16.8	25.2

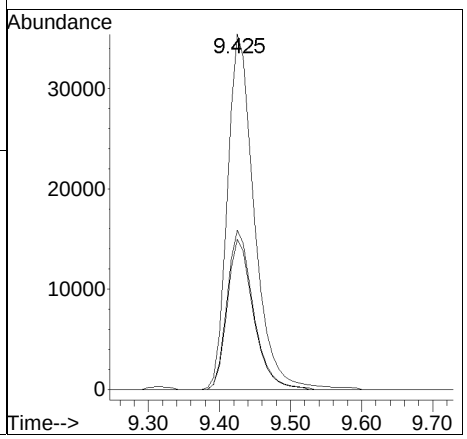


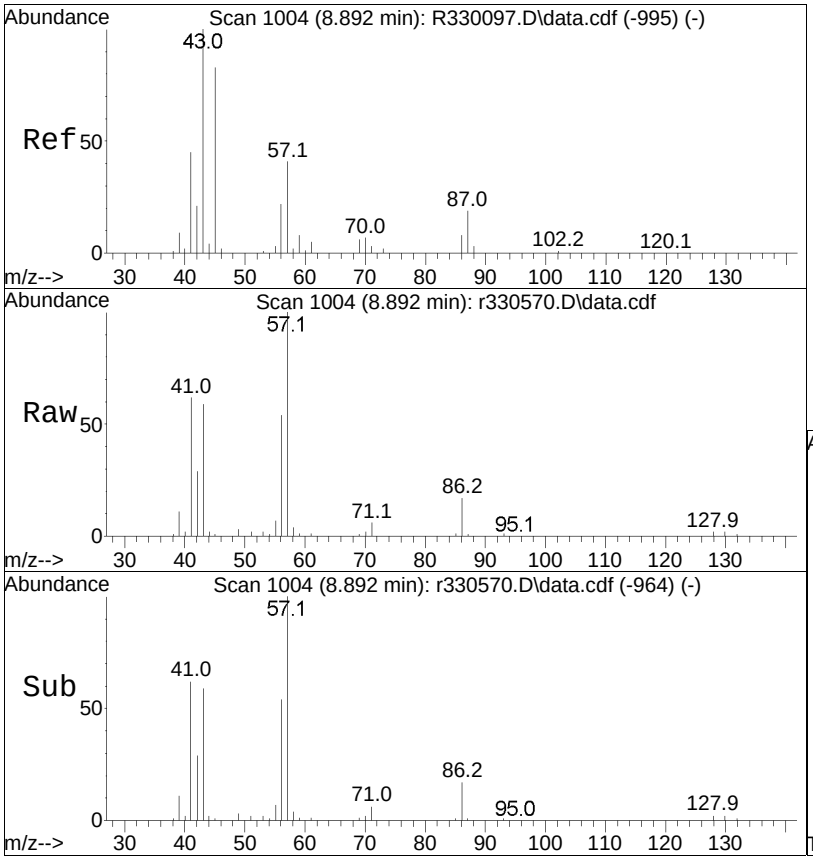


#40
Tetrahydrofuran
Concen: 2.23 ppbV
RT: 9.425 min Scan# 1068
Delta R.T. 0.017 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion: 42 Resp: 93242

Ion	Ratio	Lower	Upper
42	100		
71	42.2	31.0	46.4
72	44.8	33.4	50.2

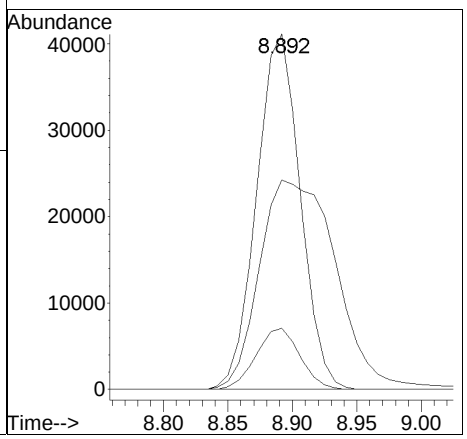


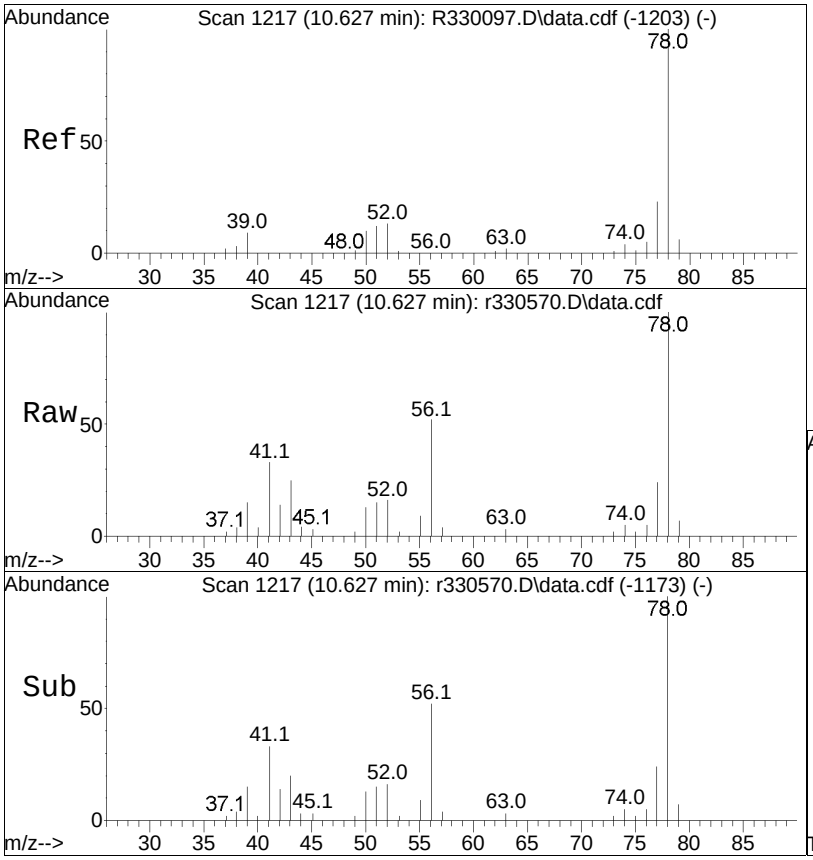


#44
hexane
Concen: 2.26 ppbV
RT: 8.892 min Scan# 1004
Delta R.T. 0.000 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion: 57 Resp: 96723

Ion	Ratio	Lower	Upper
57	100		
43	58.9	196.5	294.7#
86	17.2	15.8	23.6

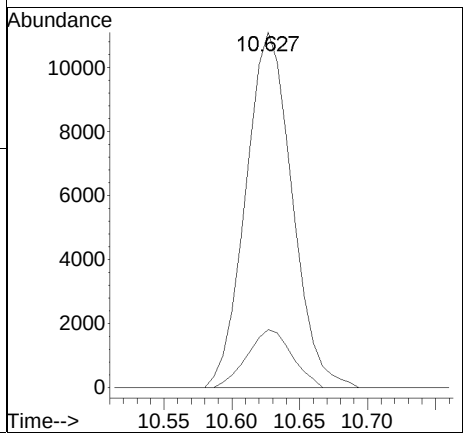


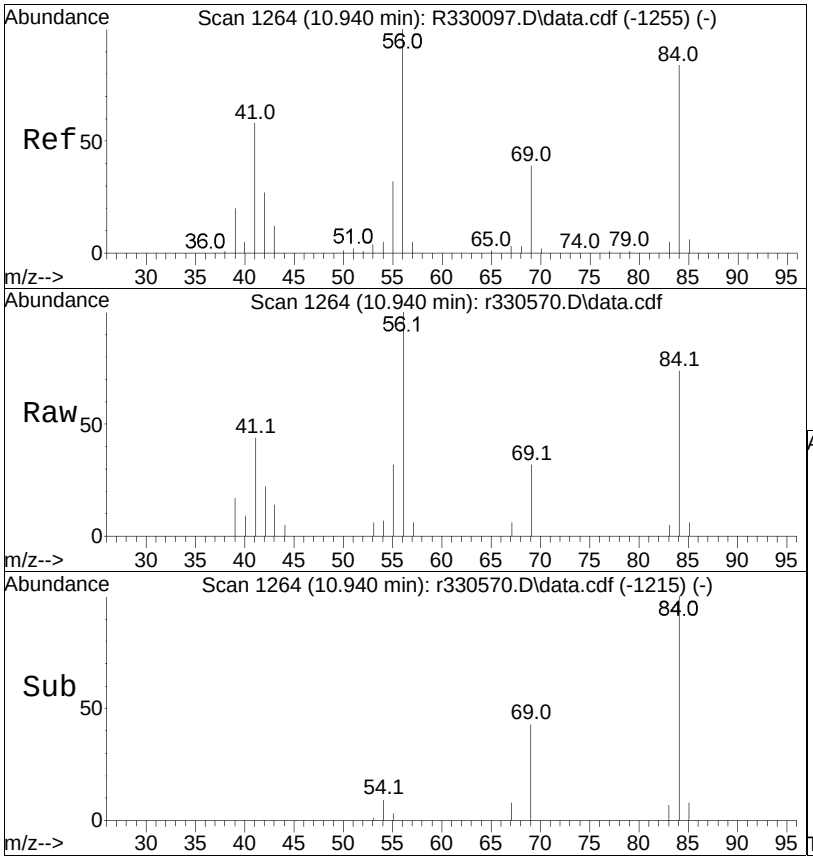


#50
benzene
Concen: 0.27 ppbV
RT: 10.627 min Scan# 1217
Delta R.T. 0.000 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion: 78 Resp: 26363

Ion	Ratio	Lower	Upper
78	100		
52	16.3	10.4	15.6#

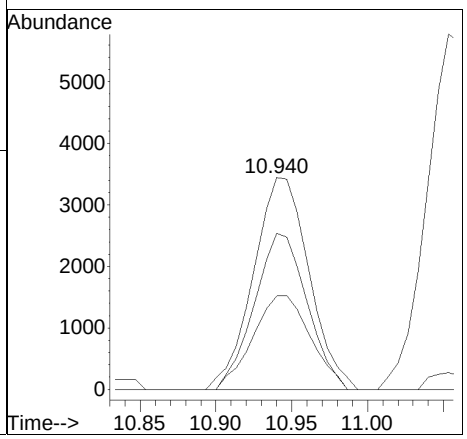


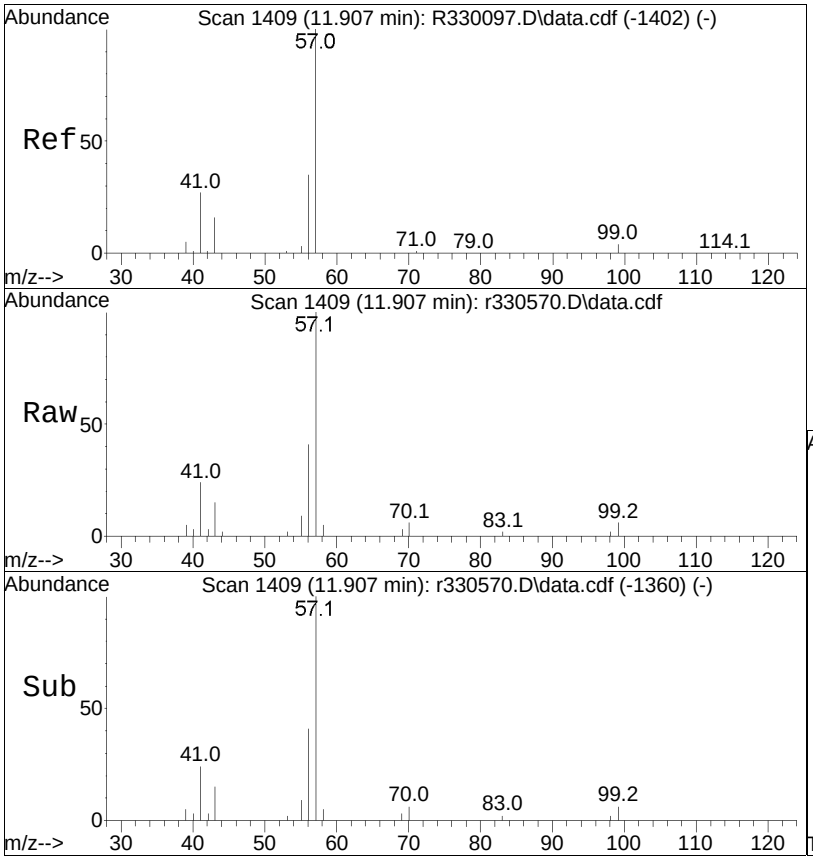


#53
cyclohexane
Concen: 0.19 ppbV
RT: 10.940 min Scan# 1264
Delta R.T. 0.000 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion: 56 Resp: 8796

Ion	Ratio	Lower	Upper
56	100		
84	73.7	67.4	101.2
41	44.1	46.4	69.6#

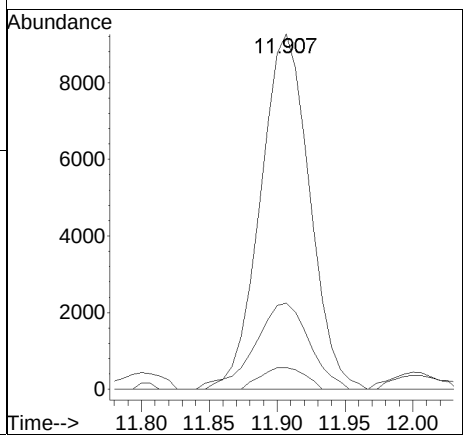


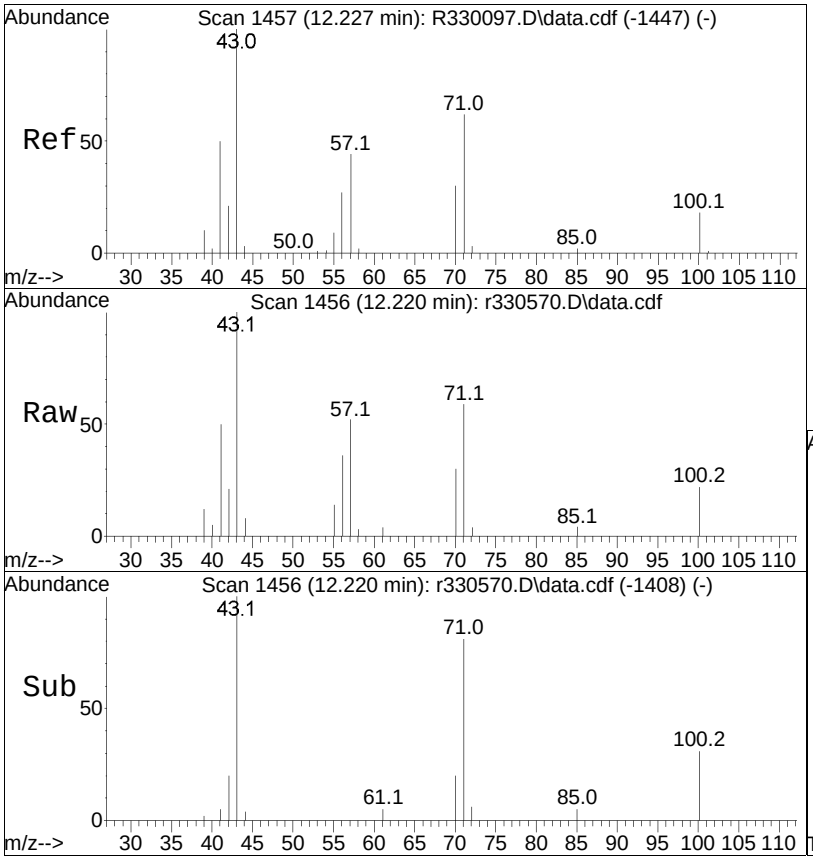


#60
2,2,4-trimethylpentane
Concen: 0.17 ppbV
RT: 11.907 min Scan# 1409
Delta R.T. 0.000 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion: 57 Resp: 23323

Ion	Ratio	Lower	Upper
57	100		
99	6.2	5.3	7.9
41	24.3	21.4	32.0

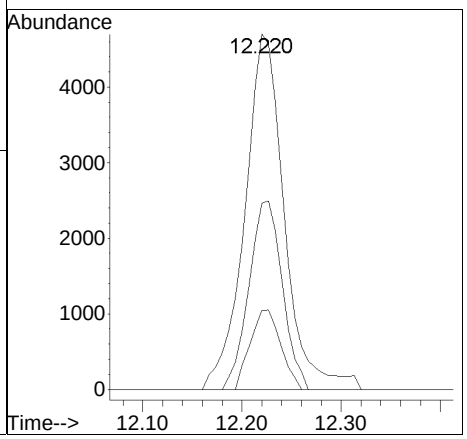


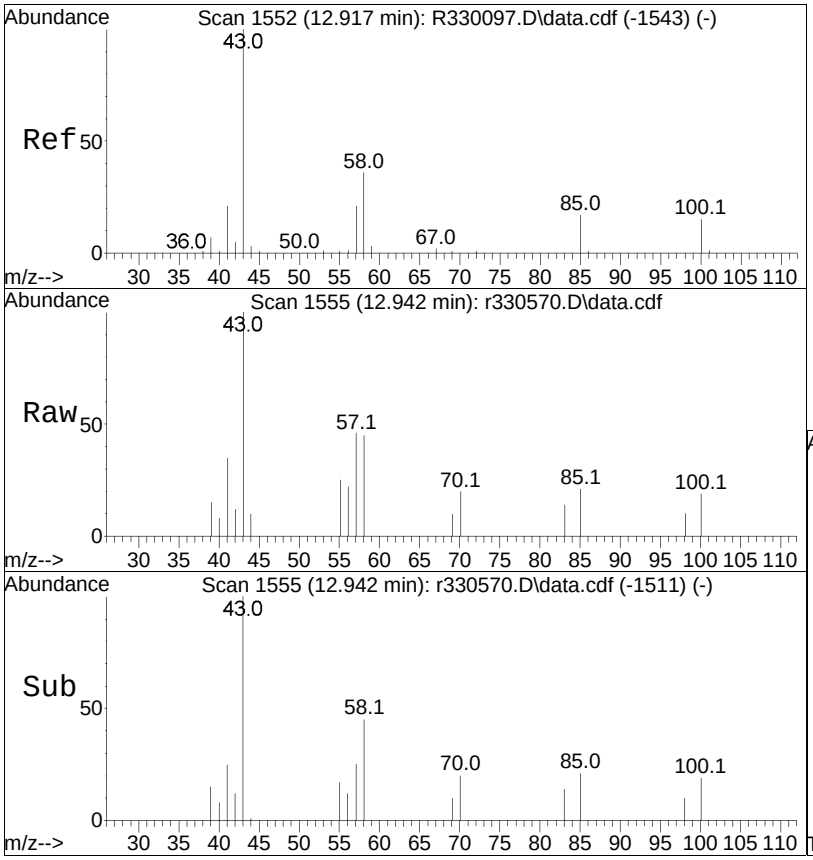


#62
heptane
Concen: 0.21 ppbV
RT: 12.220 min Scan# 1456
Delta R.T. -0.007 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion: 43 Resp: 13044

Ion	Ratio	Lower	Upper
43	100		
57	52.4	34.9	52.3#
100	22.3	14.9	22.3

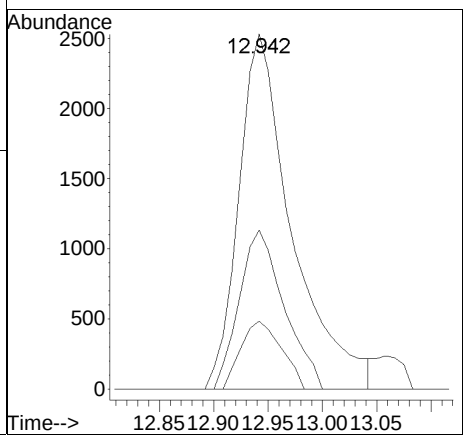


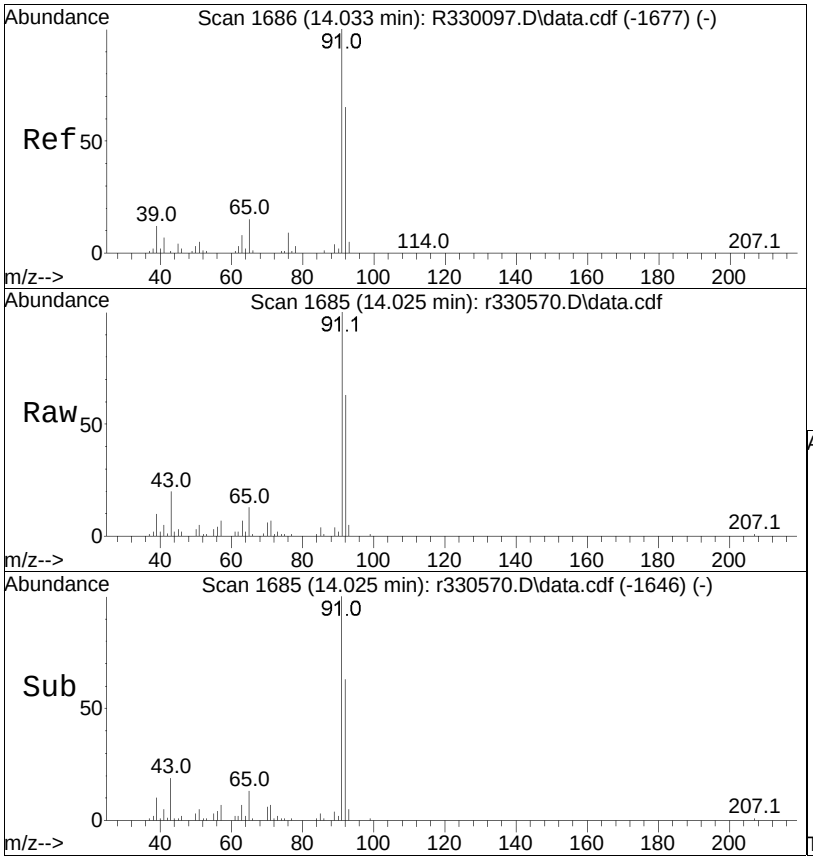


#64
4-methyl-2-pentanone
Concen: 0.12 ppbV
RT: 12.942 min Scan# 1555
Delta R.T. 0.025 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion: 43 Resp: 8608

Ion	Ratio	Lower	Upper
43	100		
58	44.8	29.1	43.7#
100	19.2	12.2	18.4#

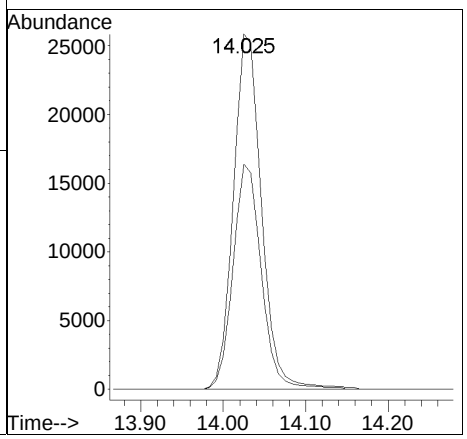


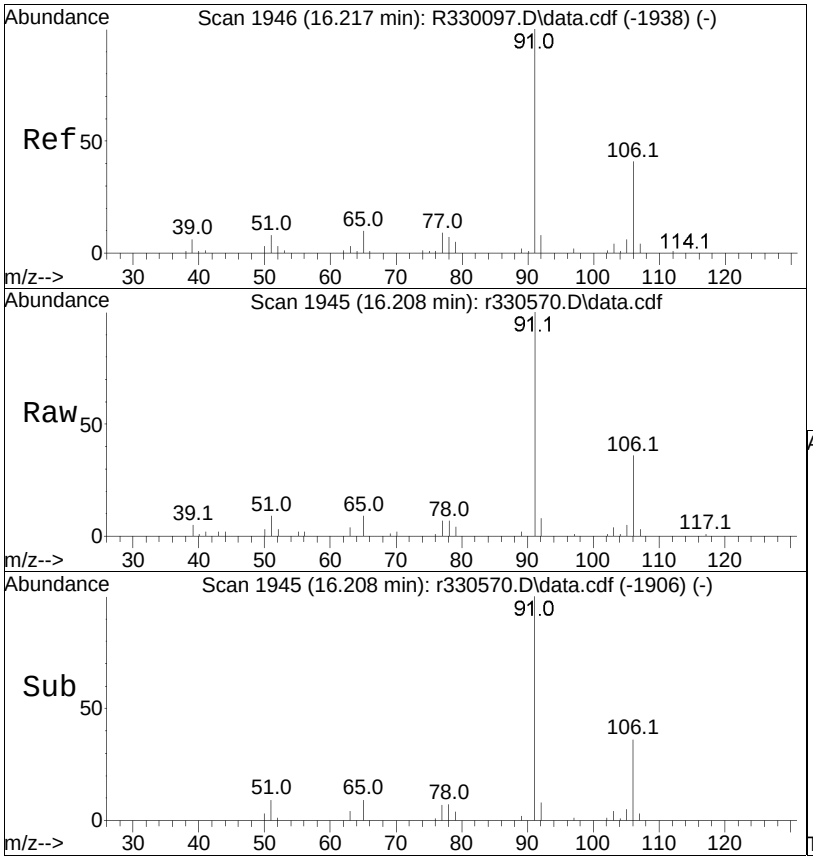


#68
toluene
Concen: 0.50 ppbV
RT: 14.025 min Scan# 1685
Delta R.T. -0.008 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion: 91 Resp: 61413

Ion	Ratio	Lower	Upper
91	100		
92	63.4	52.1	78.1

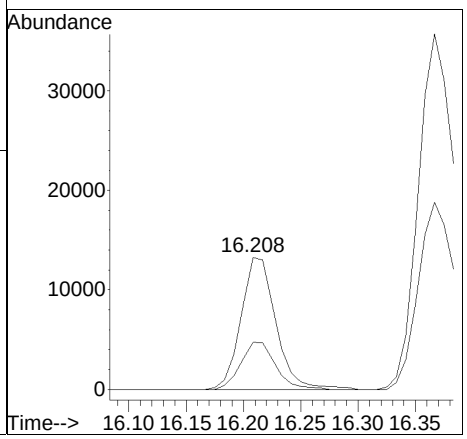


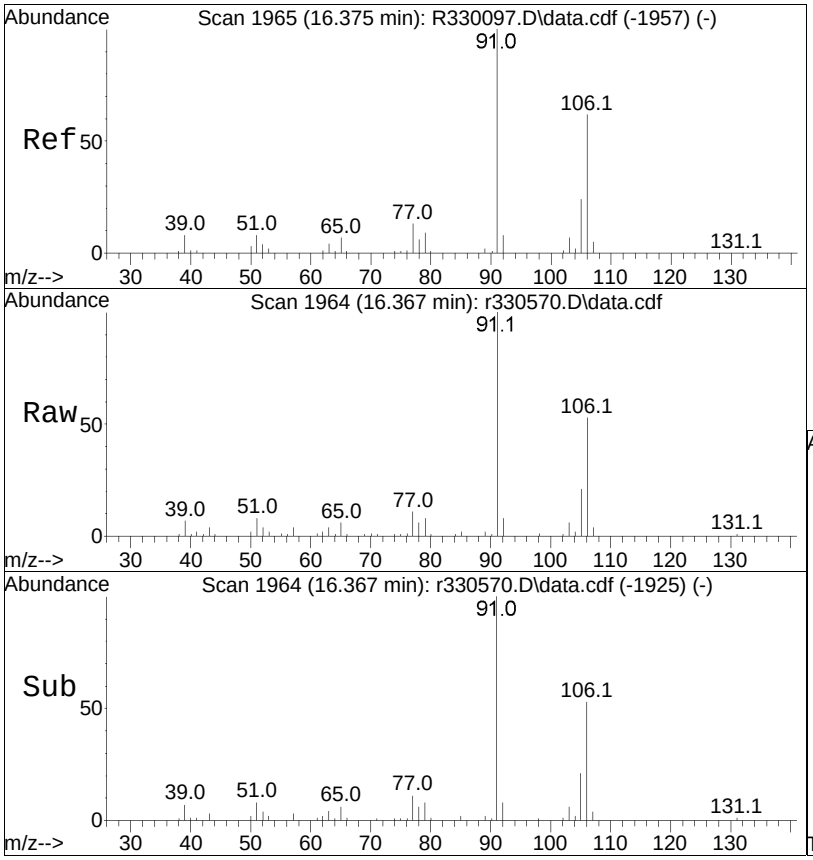


#81
ethylbenzene
Concen: 0.18 ppbV
RT: 16.208 min Scan# 1945
Delta R.T. -0.009 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion: 91 Resp: 28047

Ion	Ratio	Lower	Upper
91	100		
106	35.7	32.6	49.0

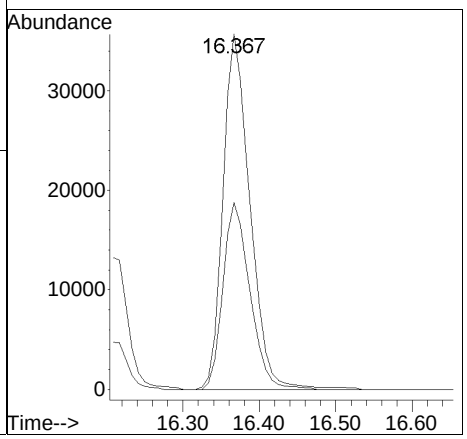


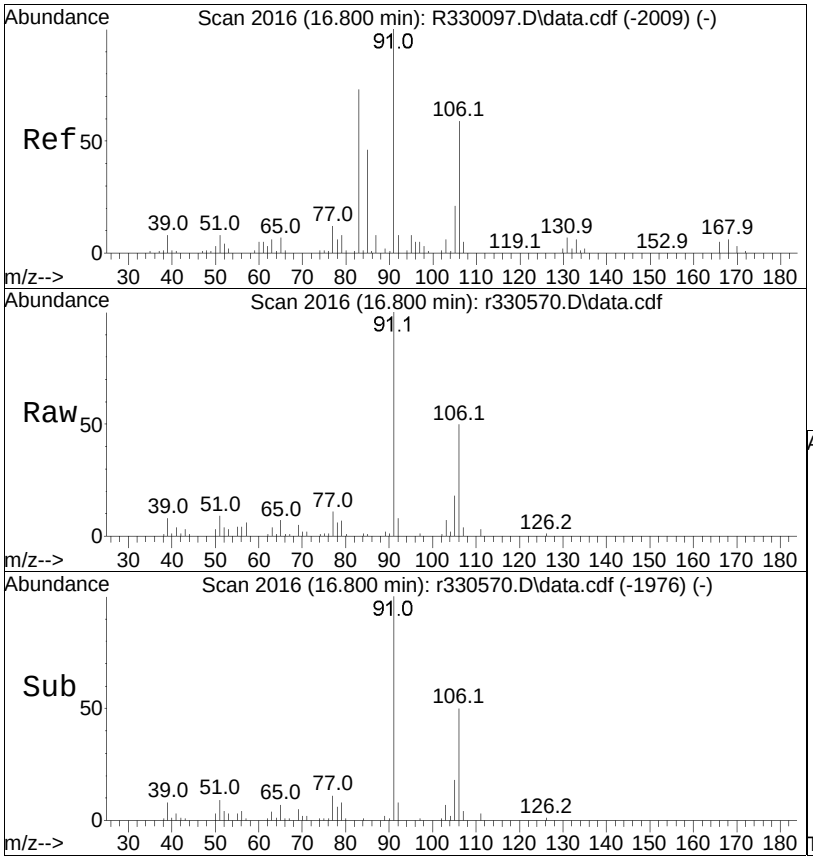


#83
m+p-xylene
Concen: 0.71 ppbV
RT: 16.367 min Scan# 1964
Delta R.T. -0.008 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion: 91 Resp: 87491

Ion	Ratio	Lower	Upper
91	100		
106	52.7	49.2	73.8

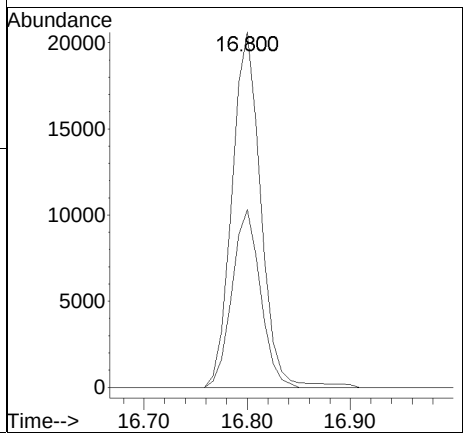


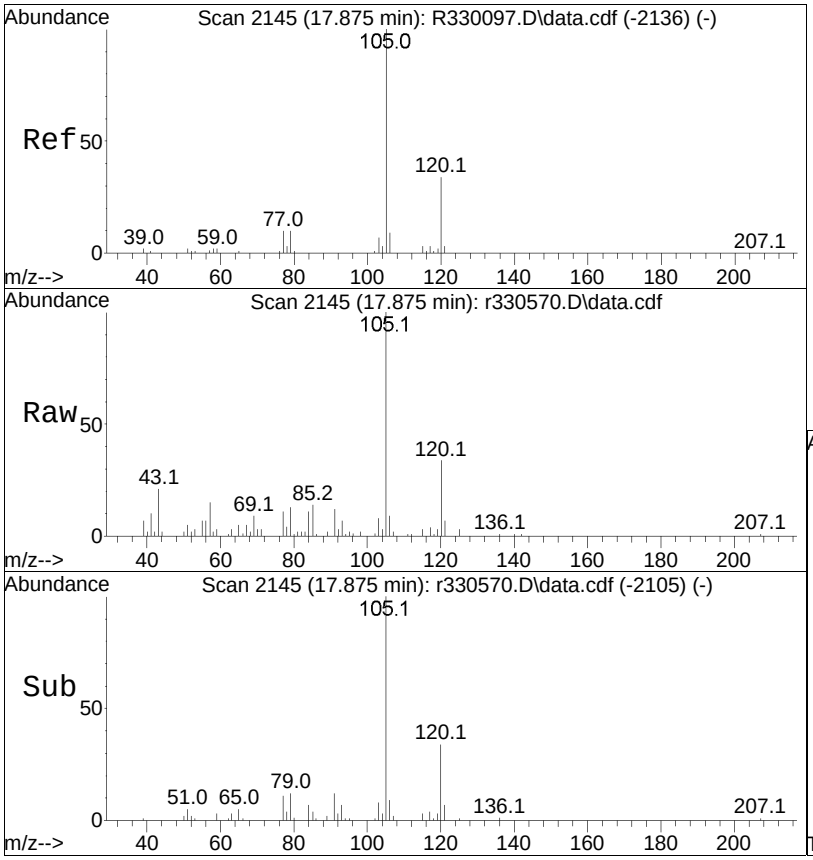


#87
o-xylene
Concen: 0.33 ppbV
RT: 16.800 min Scan# 2016
Delta R.T. 0.000 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion: 91 Resp: 40012

Ion	Ratio	Lower	Upper
91	100		
106	50.0	47.5	71.3

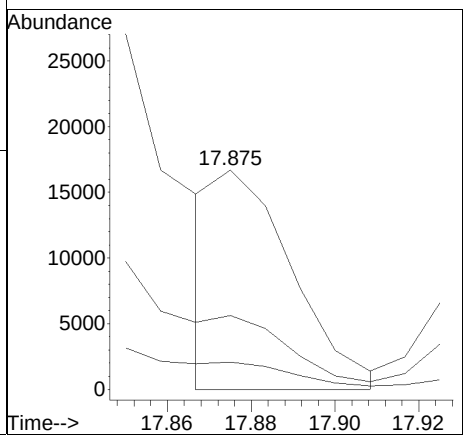


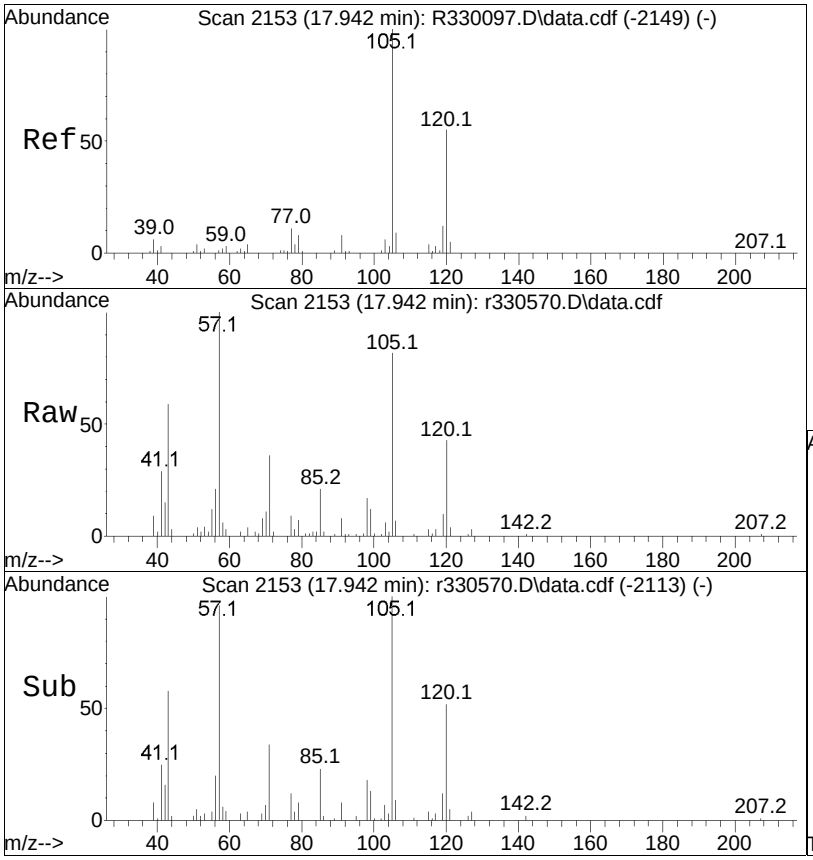


#96
4-ethyl toluene
Concen: 0.12 ppbV m
RT: 17.875 min Scan# 2145
Delta R.T. 0.000 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion:105 Resp: 21374

Ion	Ratio	Lower	Upper
105	100		
120	33.7	27.2	40.8
91	12.5	7.1	10.7#

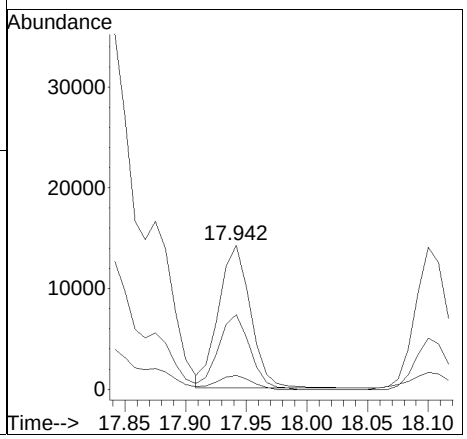


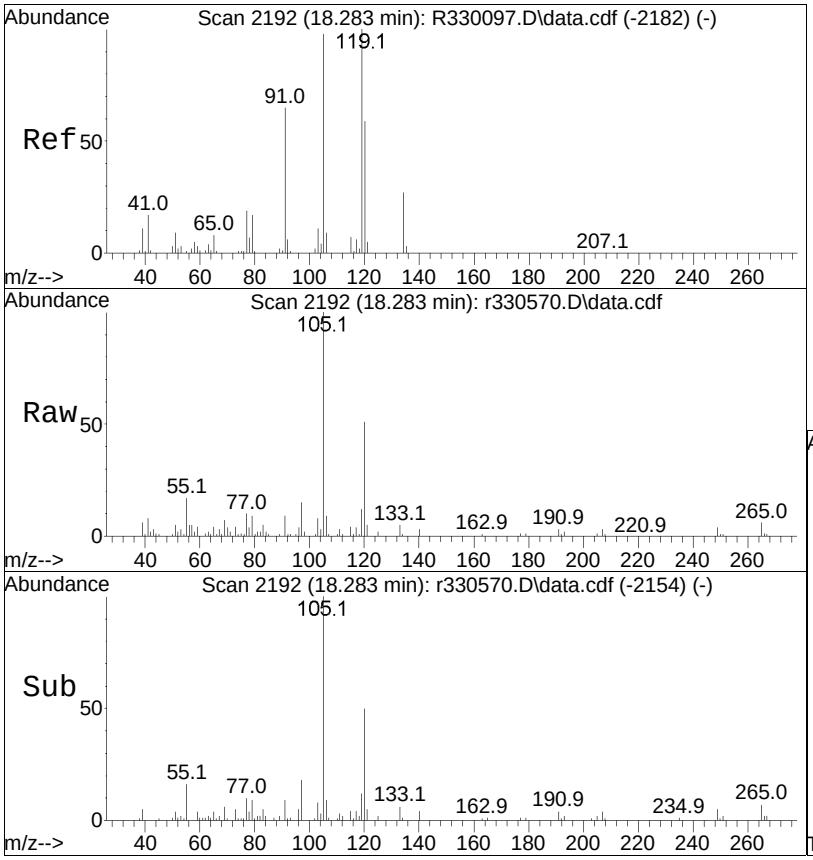


#97
1,3,5-trimethylbenzene
Concen: 0.16 ppbV
RT: 17.942 min Scan# 2153
Delta R.T. 0.000 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion:105 Resp: 25926

Ion	Ratio	Lower	Upper
105	100		
120	51.9	43.1	64.7
91	9.7	6.8	10.2

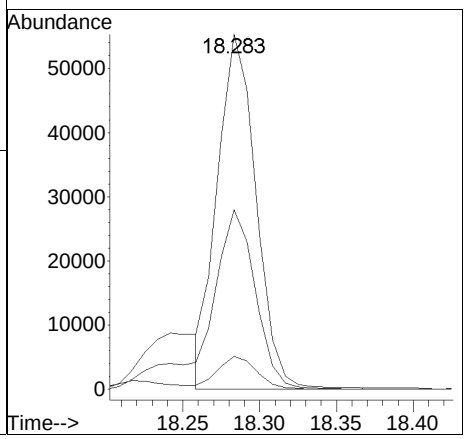


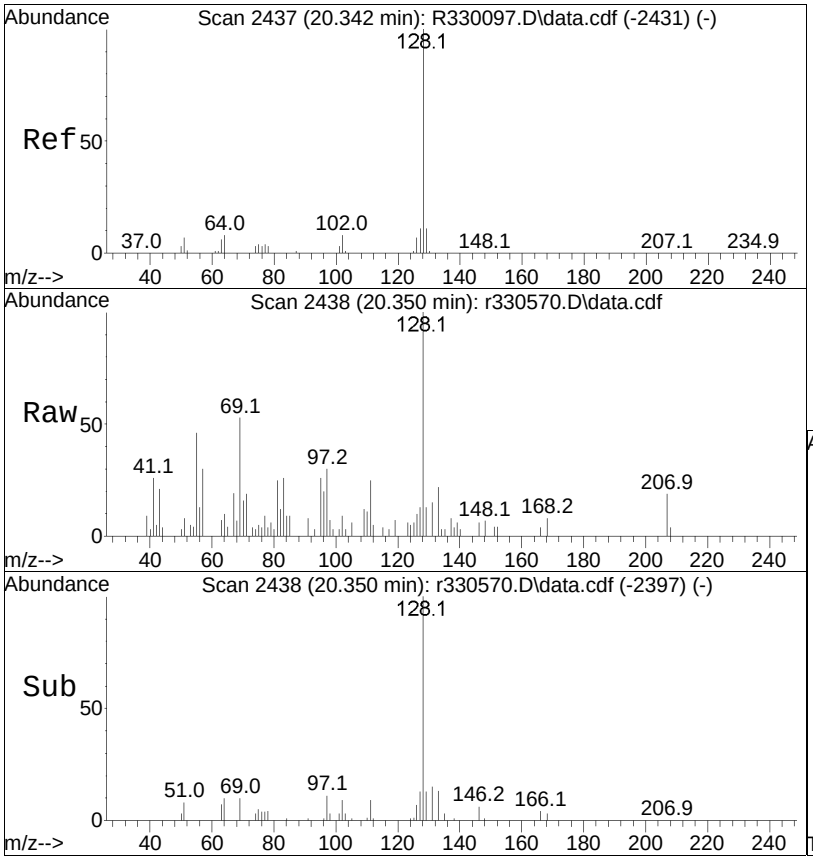


#99
1,2,4-trimethylbenzene
Concen: 0.64 ppbV m
RT: 18.283 min Scan# 2192
Delta R.T. 0.000 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion:105 Resp: 97502

Ion	Ratio	Lower	Upper
105	100		
120	50.5	47.8	71.8
91	9.3	53.4	80.0#

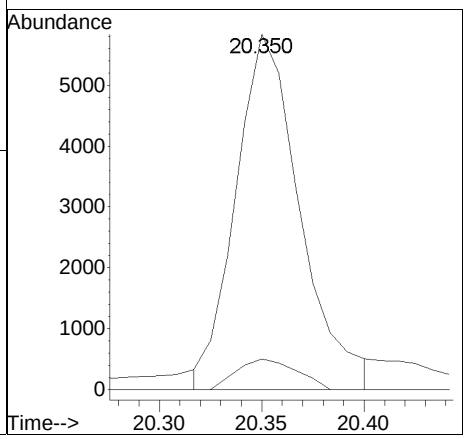




#116
naphthalene
Concen: 0.07 ppbV m
RT: 20.350 min Scan# 2438
Delta R.T. 0.008 min
Lab File: r330570.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion:128 Resp: 12776

Ion	Ratio	Lower	Upper
128	100		
102	8.6	6.3	9.5

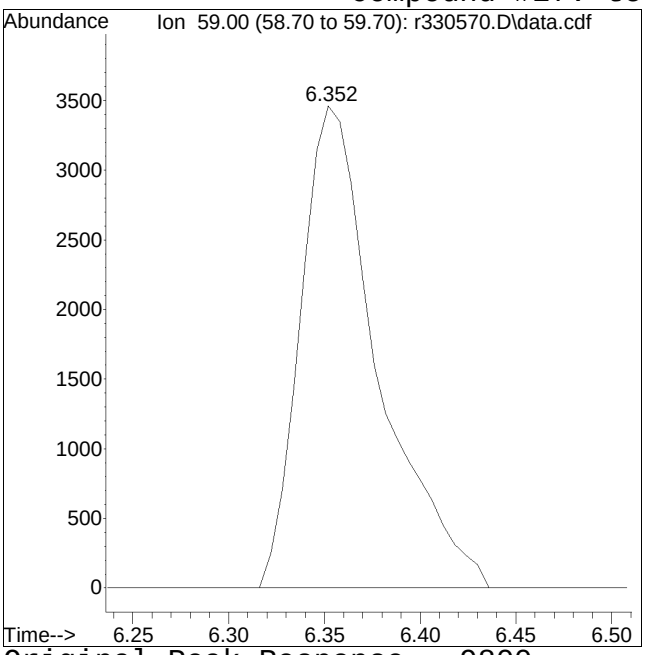


Manual Integration Report

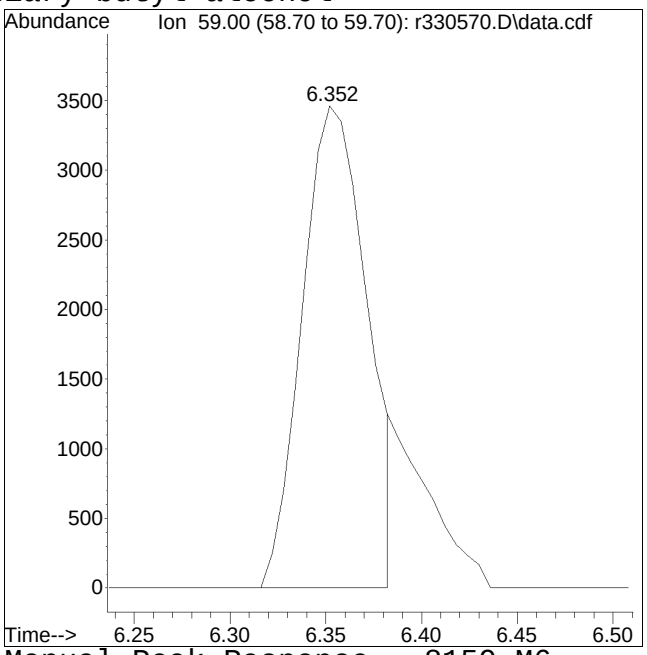
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330570.D
Date Inj'd : 4/23/2020 0:0: 8
Sample : L2419731-04,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:11 am

Compound #27: tertiary butyl alcohol



Original Peak Response = 9800



Manual Peak Response = 8159 M6

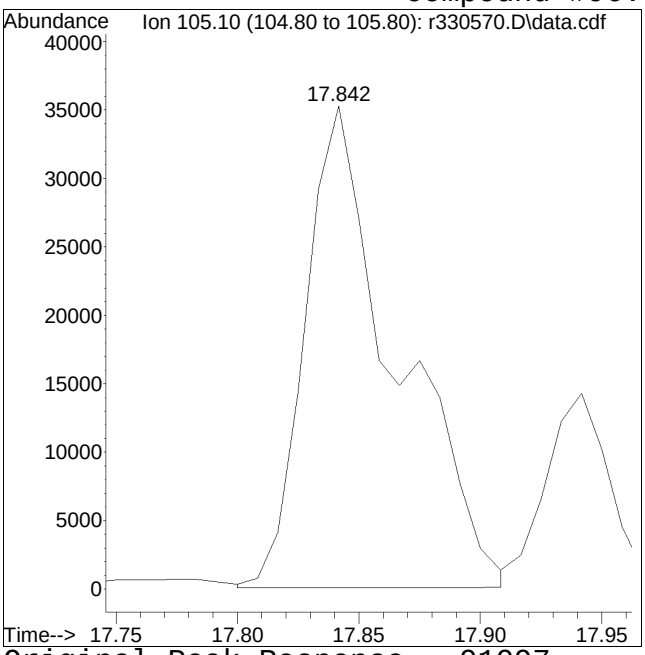
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

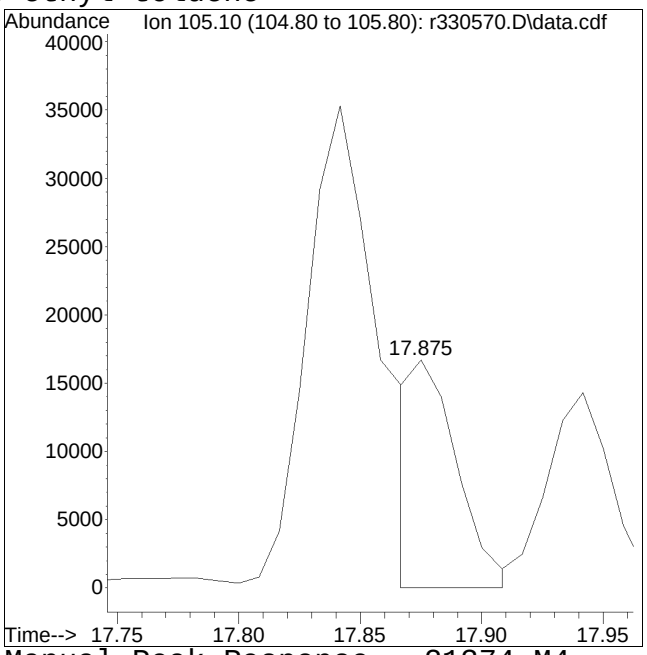
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330570.D
Date Inj'd : 4/23/2020 0:0: 8
Sample : L2419731-04,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:11 am

Compound #96: 4-ethyl toluene



Original Peak Response = 91997



Manual Peak Response = 21374 M4

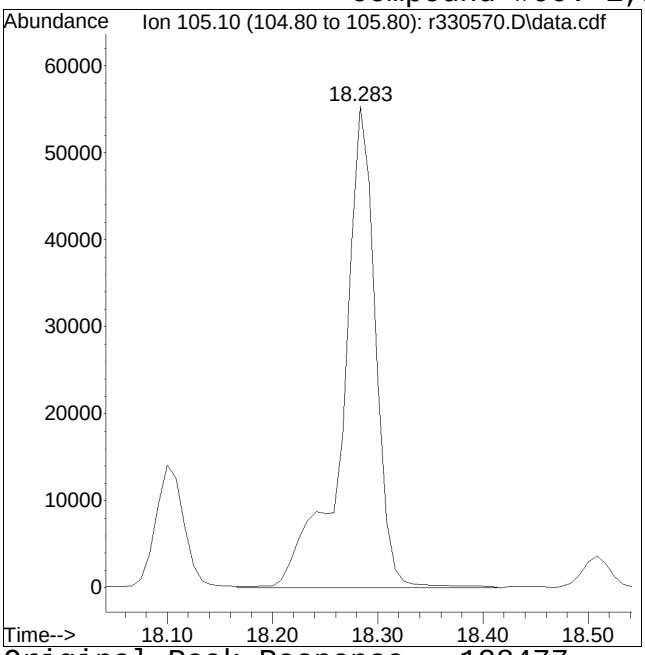
M4 = Poor automated baseline construction.

Manual Integration Report

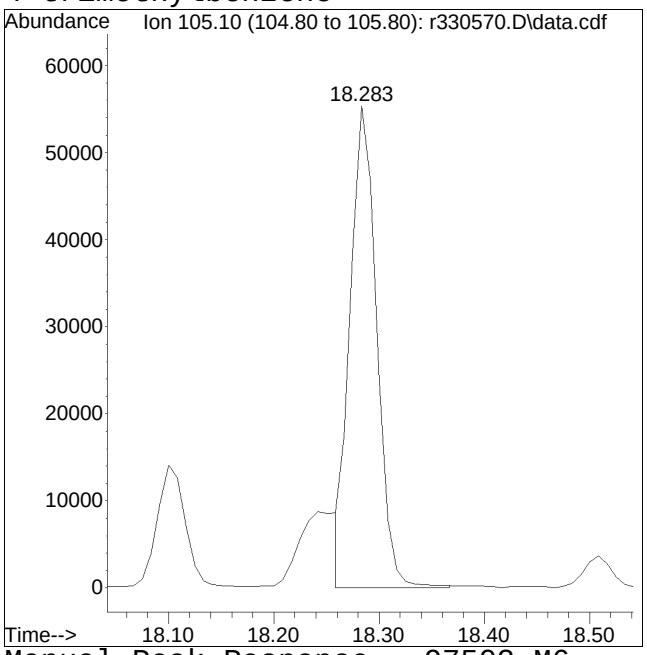
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330570.D
Date Inj'd : 4/23/2020 0:0: 8
Sample : L2419731-04,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:11 am

Compound #99: 1,2,4-trimethylbenzene



Original Peak Response = 128477



Manual Peak Response = 97502 M6

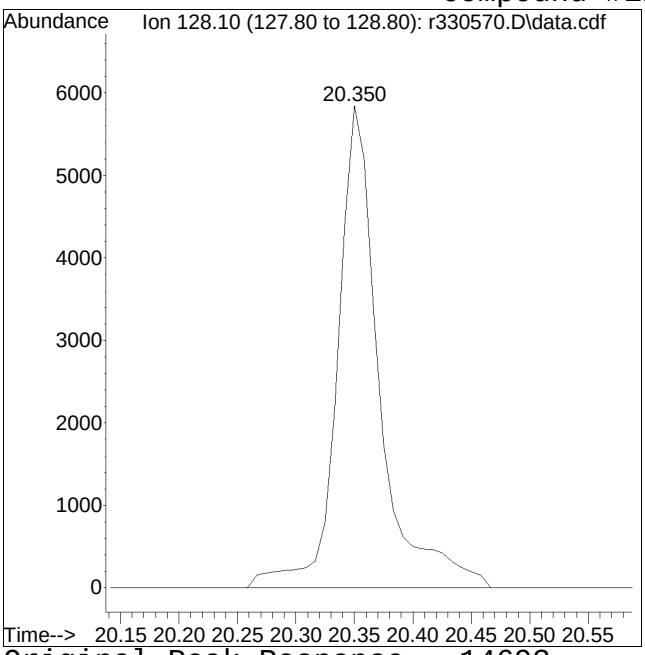
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

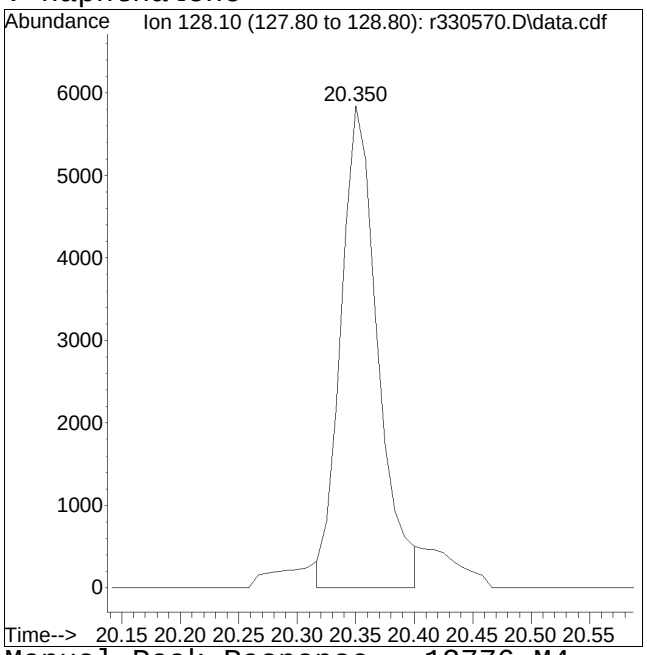
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330570.D
Date Inj'd : 4/23/2020 0:0: 8
Sample : L2419731-04,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:11 am

Compound #116: naphthalene



Original Peak Response = 14693



Manual Peak Response = 12776 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330571.D
Acq On : 23 Apr 2024 11:09 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-05,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:11:30 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423T\r330561.D
Sub List : TO15-NY+NAPH-7-SIM - .

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	8.817	49	346526	10.000	ppbV		0.00
Standard Area = 361003			Recovery = 95.99%				
43) 1,4-difluorobenzene	11.053	114	1133317	10.000	ppbV		0.00
Standard Area = 1163384			Recovery = 97.42%				
67) chlorobenzene-D5	15.817	54	171777	10.000	ppbV	#	0.00
Standard Area = 169079			Recovery = 101.60%				
System Monitoring Compounds							
Target Compounds							Qvalue
5) dichlorodifluoromethane	3.792	85	16010	0.424	ppbV		98
6) chloromethane	3.954	50	9093	0.482	ppbV		97
7) Freon-114	4.056		0	N.D.			
10) 1,3-butadiene	4.308	54	1073	0.065	ppbV		98
13) bromomethane	4.572		0	N.D.			
14) chloroethane	4.758		0	N.D.			
15) ethanol	4.884	31	480598	40.545	ppbV	#	79
17) vinyl bromide	0.000		0	N.D.			
19) acetone	5.387	43	3920407M6	103.951	ppbV		
21) trichlorofluoromethane	5.580	101	9673	0.252	ppbV		95
22) isopropyl alcohol	5.680	45	129466	2.575	ppbV	#	97
27) tertiary butyl alcohol	6.352	59	6688M6	0.134	ppbV		
28) methylene chloride	6.418	49	8798	0.317	ppbV		96
29) 3-chloropropene	6.472		0	N.D.			
30) carbon disulfide	6.712	76	3714	0.043	ppbV	#	52
31) Freon 113	6.712	101	3569	0.079	ppbV		99
32) trans-1,2-dichloroethene	0.000		0	N.D.			
33) 1,1-dichloroethane	7.683		0	N.D.			
34) MTBE	7.733		0	N.D.			
36) 2-butanone	8.142	43	114445	1.774	ppbV	#	97
38) Ethyl Acetate	8.925	61	4377	0.453	ppbV	#	28
39) chloroform	8.975	83	6945	0.163	ppbV		96
40) Tetrahydrofuran	9.425	42	109187	2.622	ppbV		96
42) 1,2-dichloroethane	9.817		0	N.D.			
44) hexane	8.883	57	76392	1.797	ppbV	#	1
50) benzene	10.627	78	26918	0.280	ppbV	#	90
53) cyclohexane	10.940	56	9480	0.210	ppbV	#	87
56) 1,2-dichloropropane	0.000		0	N.D.			

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330571.D
Acq On : 23 Apr 2024 11:09 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-05,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:11:30 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423T\r330561.D
Sub List : TO15-NY+NAPH-7-SIM - .

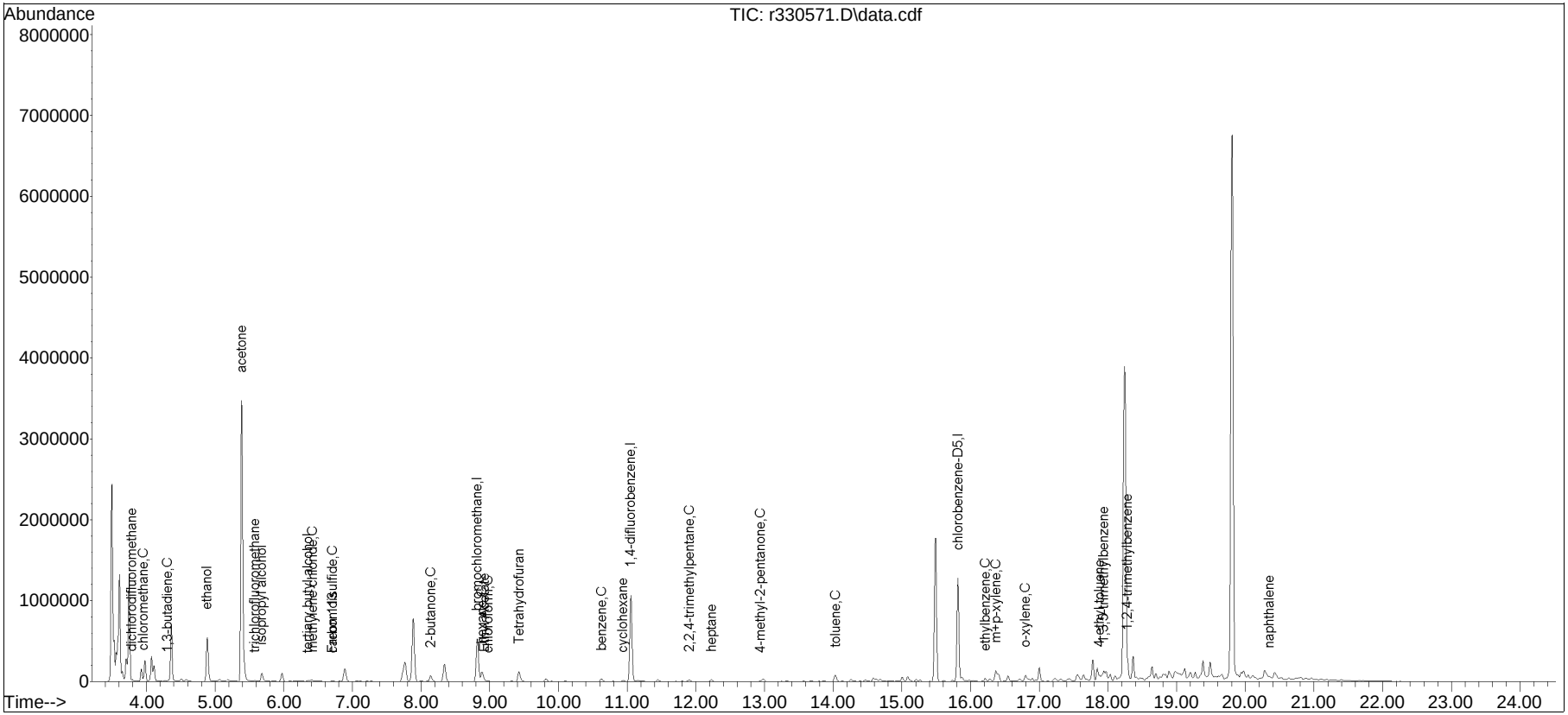
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	11.807		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	11.907	57	22956	0.167	ppbV	97
62) heptane	12.227	43	14035	0.228	ppbV #	87
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.942	43	8595	0.118	ppbV #	83
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	14.033	91	66402	0.543	ppbV	99
72) 2-hexanone	0.000		0	N.D.	d	
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
80) chlorobenzene	0.000		0	N.D.	d	
81) ethylbenzene	16.217	91	34891	0.227	ppbV	92
83) m+p-xylene	16.367	91	114889	0.931	ppbV	88
84) bromoform	0.000		0	N.D.		
85) styrene	16.717		0	N.D.		
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	d	
87) o-xylene	16.800	91	50336	0.412	ppbV	88
96) 4-ethyl toluene	17.875	105	26434M4	0.145	ppbV	
97) 1,3,5-trimethylbenzene	17.942	105	36860	0.233	ppbV	98
99) 1,2,4-trimethylbenzene	18.283	105	128501M6	0.845	ppbV	
101) Benzyl Chloride	0.000		0	N.D.	d	
102) 1,3-dichlorobenzene	18.483		0	N.D.		
103) 1,4-dichlorobenzene	18.483		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	20.233		0	N.D.		
116) naphthalene	20.350	128	10031M4	0.052	ppbV	
119) hexachlorobutadiene	0.000		0	N.D.		

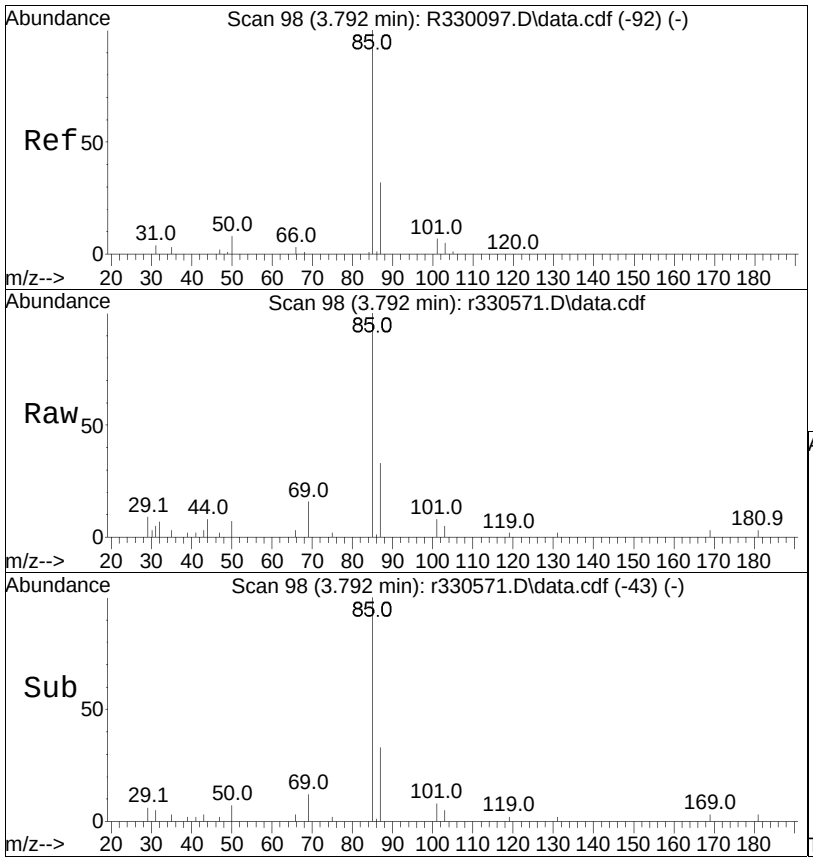
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY+NAPH-7-SIM - .iano3\2024\04\0423T\r330561.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330571.D
Acq On : 23 Apr 2024 11:09 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-05,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:11:30 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

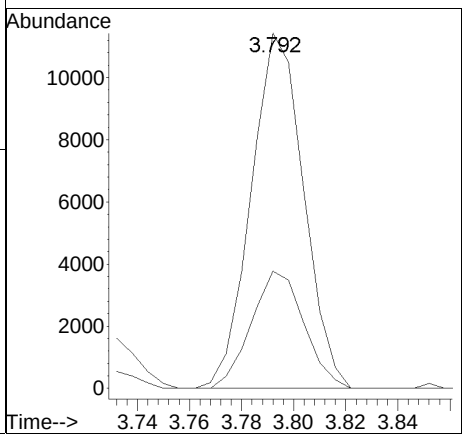


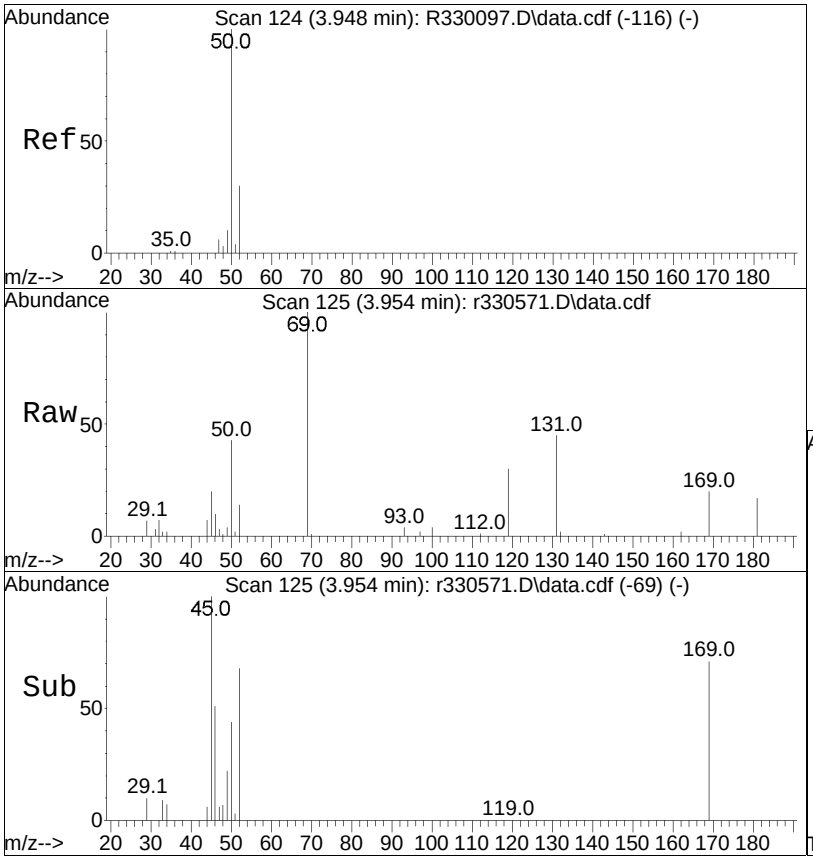


#5
dichlorodifluoromethane
Concen: 0.42 ppbV
RT: 3.792 min Scan# 98
Delta R.T. 0.000 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion: 85 Resp: 16010

Ion	Ratio	Lower	Upper
85	100		
87	33.0	25.4	38.2

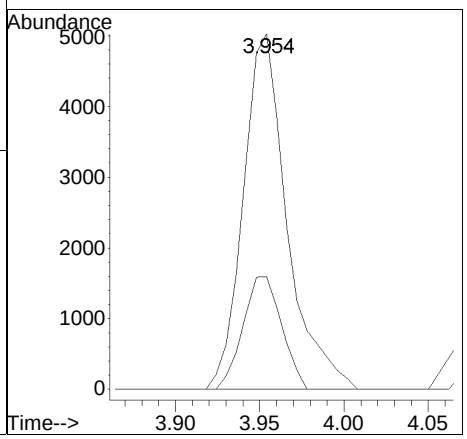


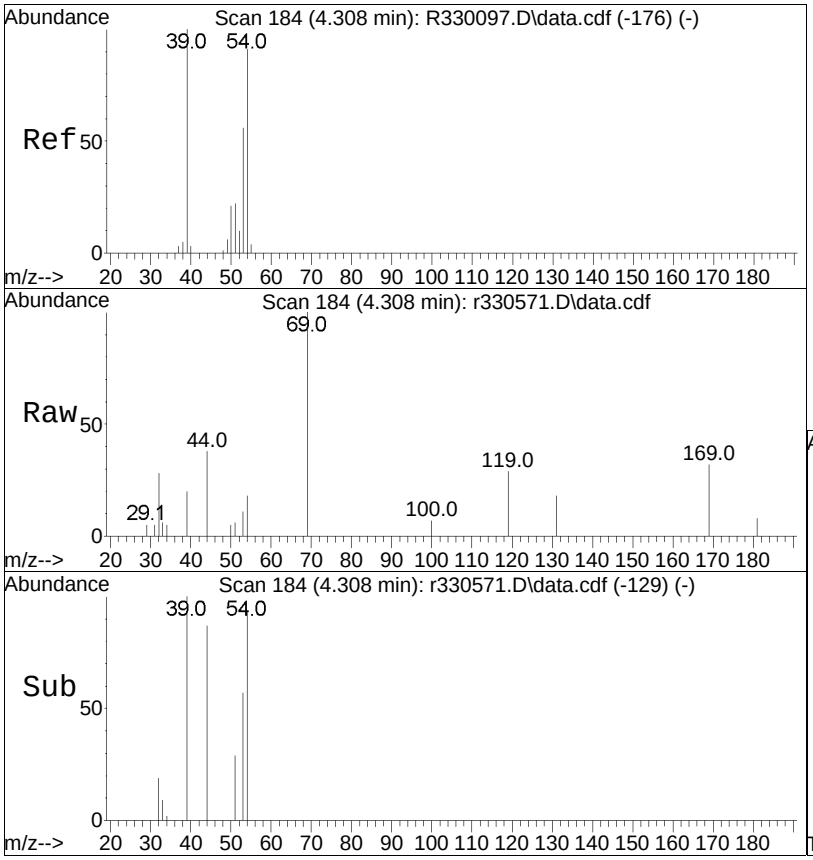


#6
chloromethane
Concen: 0.48 ppbV
RT: 3.954 min Scan# 125
Delta R.T. 0.006 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion: 50 Resp: 9093

Ion	Ratio	Lower	Upper
50	100		
52	31.7	24.0	36.0

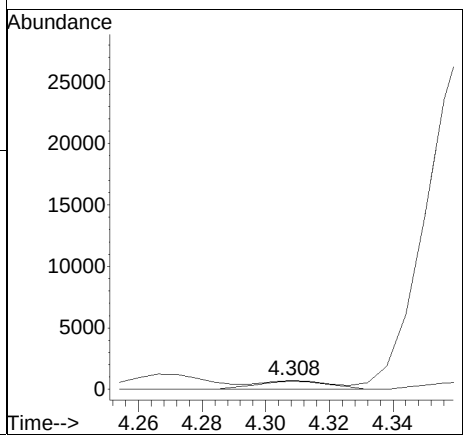


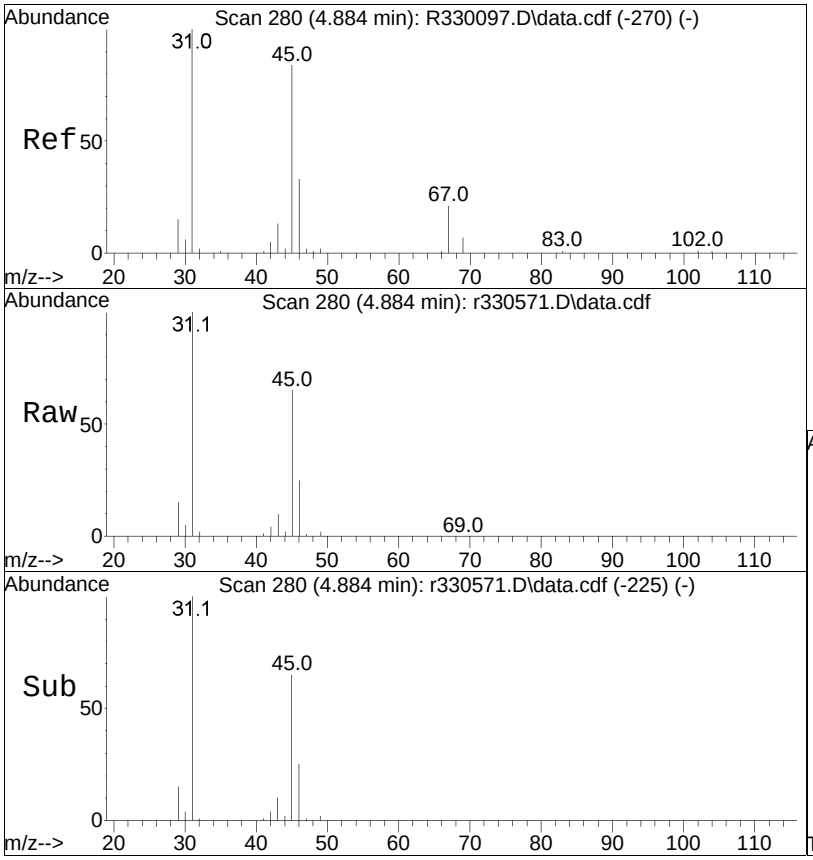


#10
1,3-butadiene
Concen: 0.06 ppbV
RT: 4.308 min Scan# 184
Delta R.T. 0.000 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion: 54 Resp: 1073

Ion	Ratio	Lower	Upper
54	100		
39	107.7	88.2	132.4

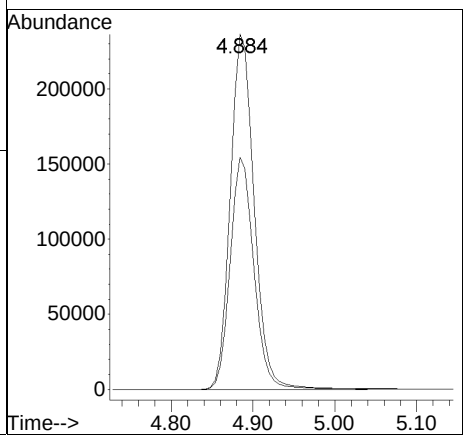


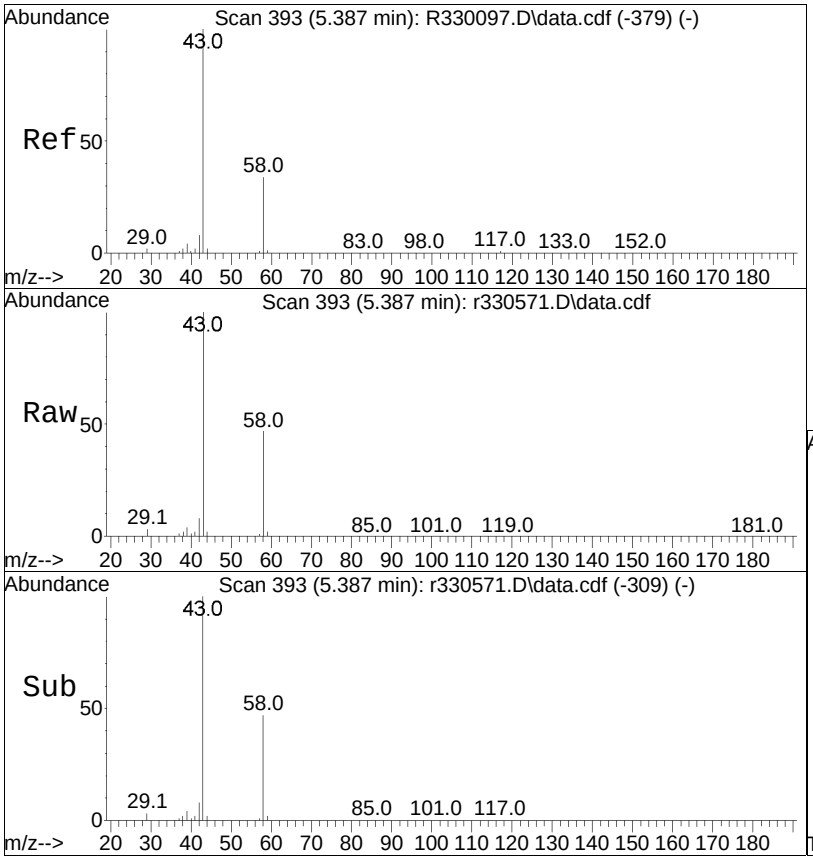


#15
ethanol
Concen: 40.55 ppbV
RT: 4.884 min Scan# 280
Delta R.T. 0.000 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion: 31 Resp: 480598

Ion	Ratio	Lower	Upper
31	100		
45	65.4	67.5	101.3#

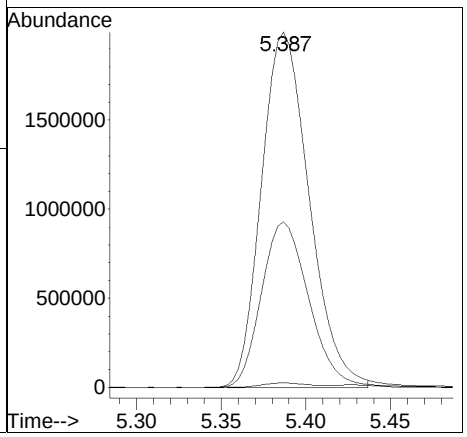


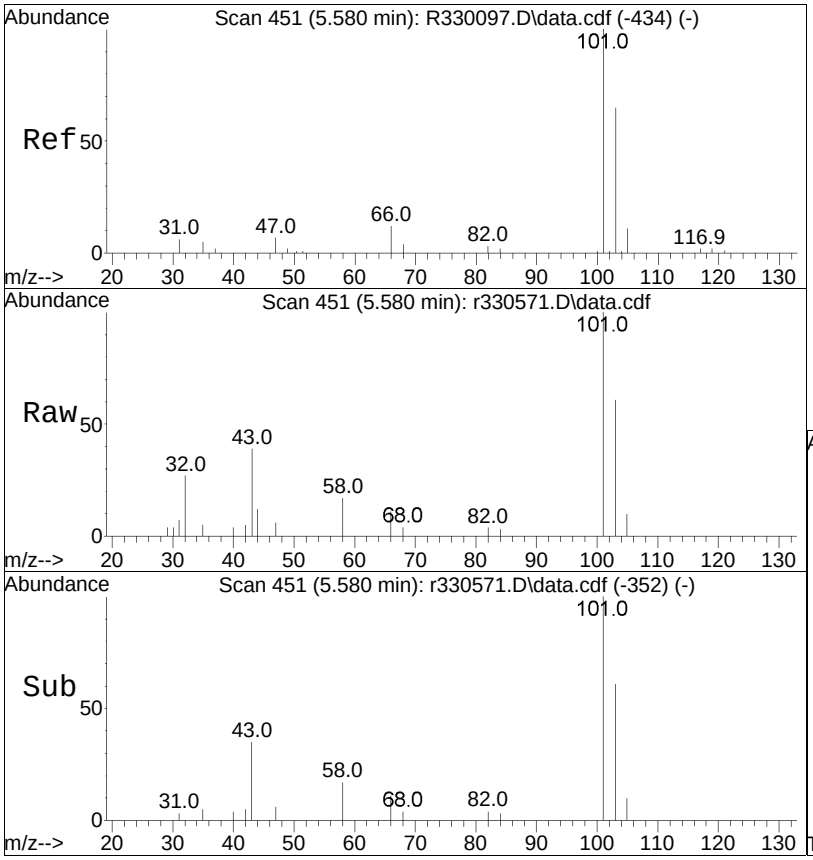


#19
acetone
Concen: 103.95 ppbV m
RT: 5.387 min Scan# 393
Delta R.T. -0.000 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion: 43 Resp: 3920407

Ion	Ratio	Lower	Upper
43	100		
58	46.6	27.3	40.9#
57	1.2	0.8	1.2#

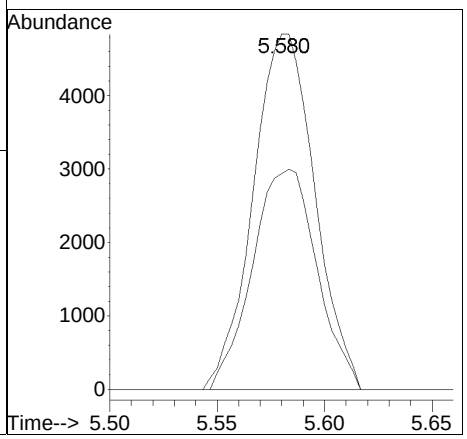


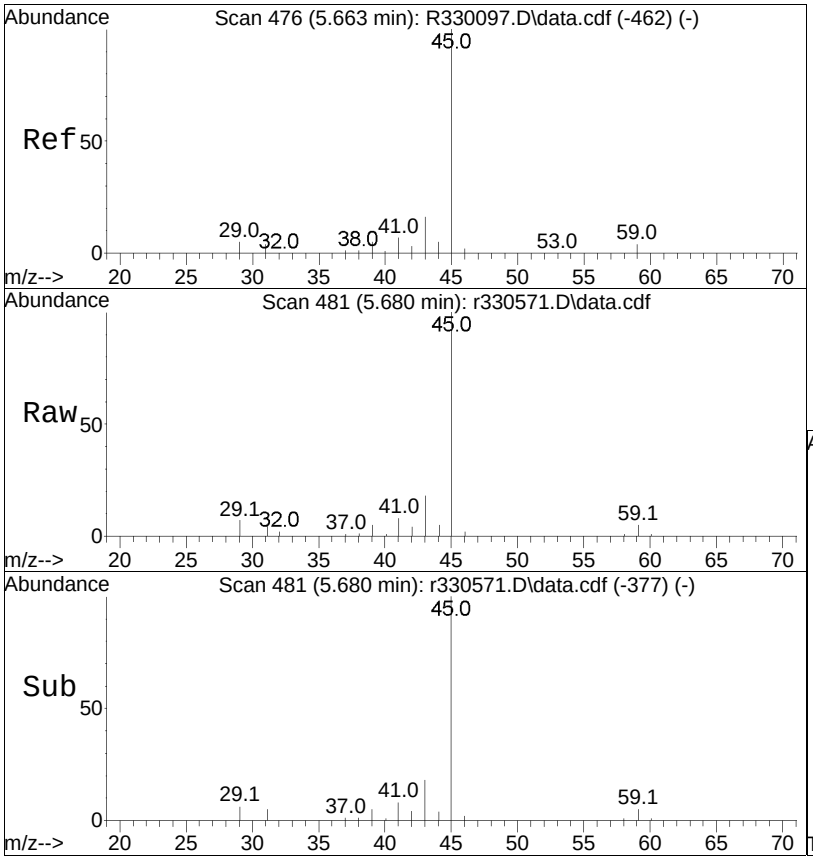


#21
trichlorofluoromethane
Concen: 0.25 ppbV
RT: 5.580 min Scan# 451
Delta R.T. 0.000 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion:101 Resp: 9673

Ion	Ratio	Lower	Upper
101	100		
103	60.7	52.0	78.0

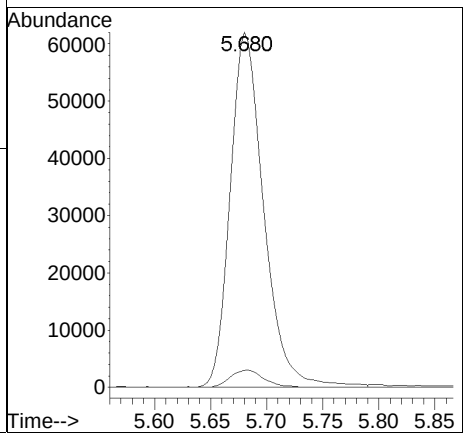


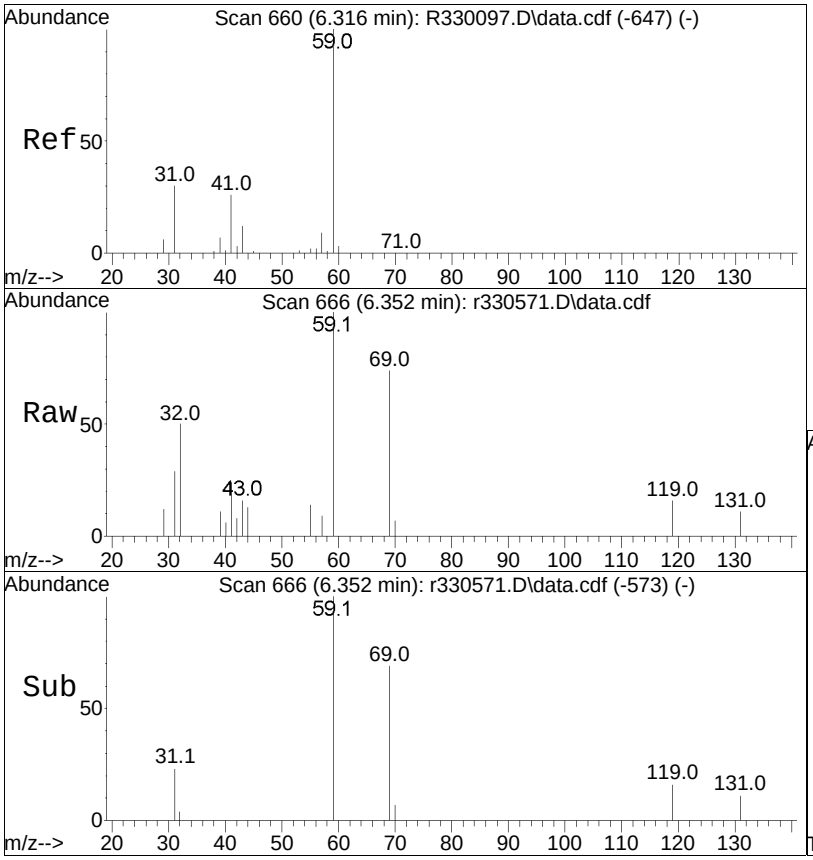


#22
isopropyl alcohol
Concen: 2.58 ppbV
RT: 5.680 min Scan# 481
Delta R.T. 0.017 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion: 45 Resp: 129466

Ion	Ratio	Lower	Upper
45	100		
59	4.8	3.0	4.4#

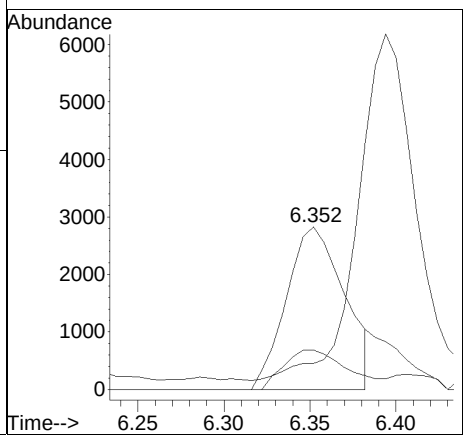


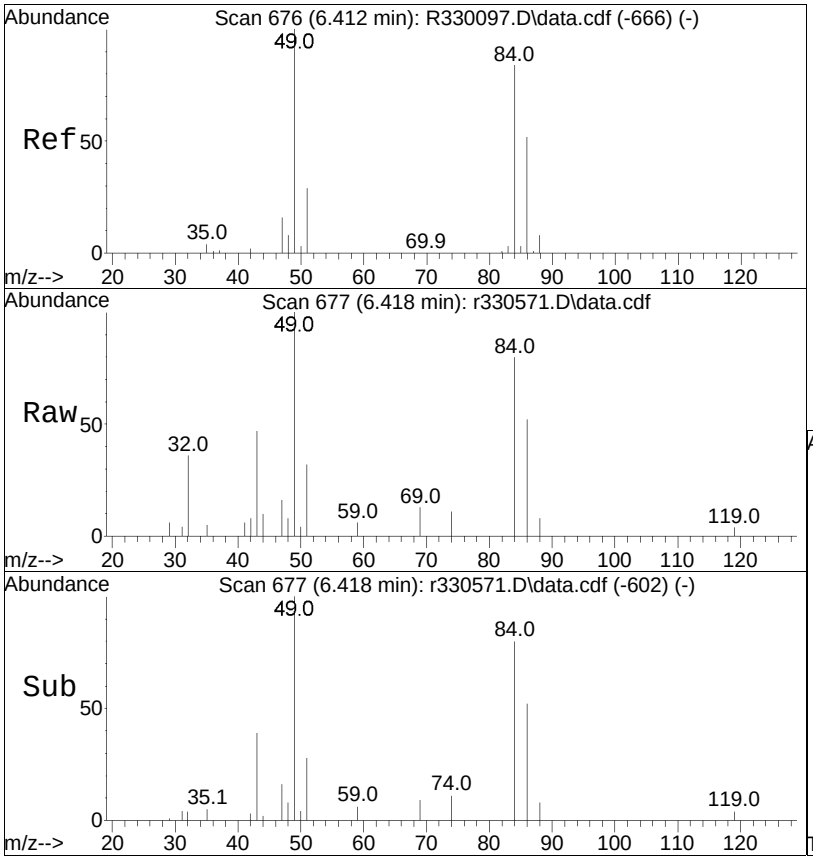


#27
tertiary butyl alcohol
Concen: 0.13 ppbV m
RT: 6.352 min Scan# 666
Delta R.T. 0.036 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion: 59 Resp: 6688

Ion	Ratio	Lower	Upper
59	100		
41	24.2	20.4	30.6
43	16.1	9.4	14.0#

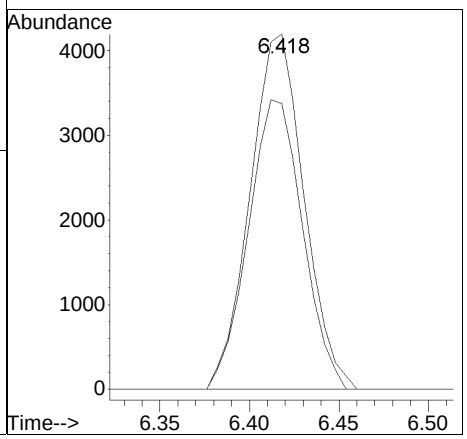


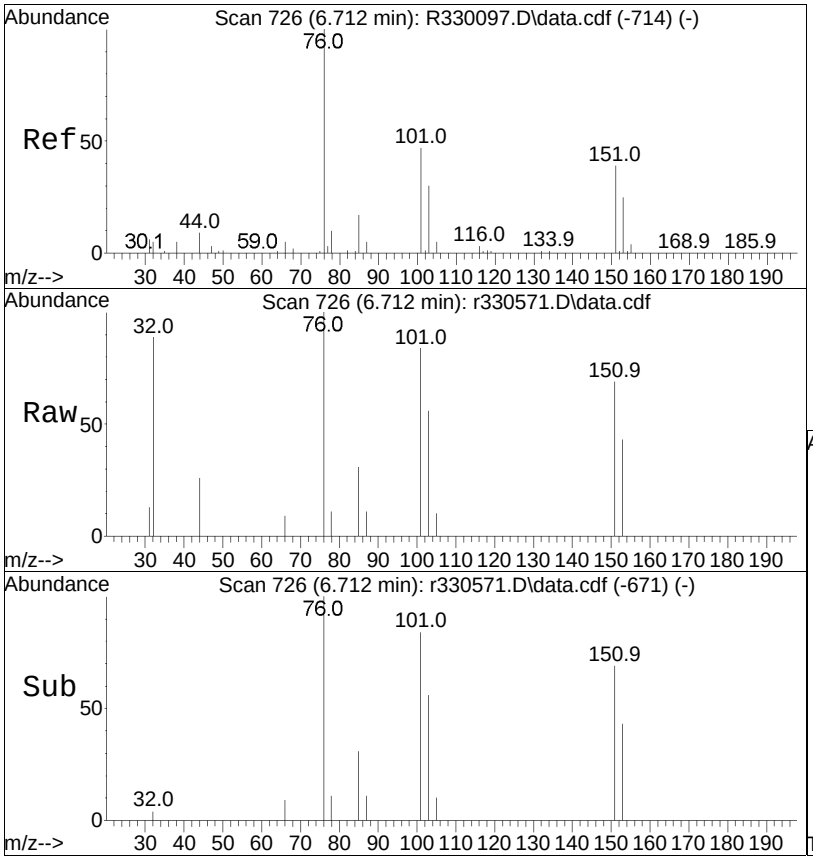


#28
methylene chloride
Concen: 0.32 ppbV
RT: 6.418 min Scan# 677
Delta R.T. 0.006 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion: 49 Resp: 8798

Ion	Ratio	Lower	Upper
49	100		
84	80.4	67.0	100.4

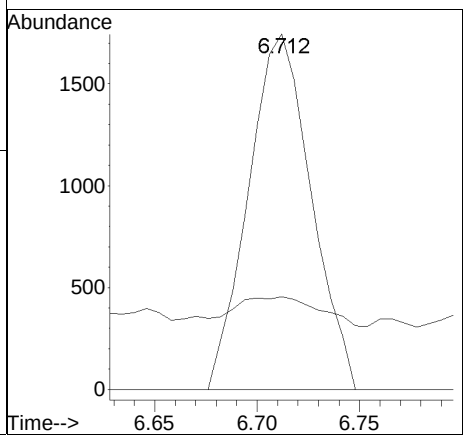


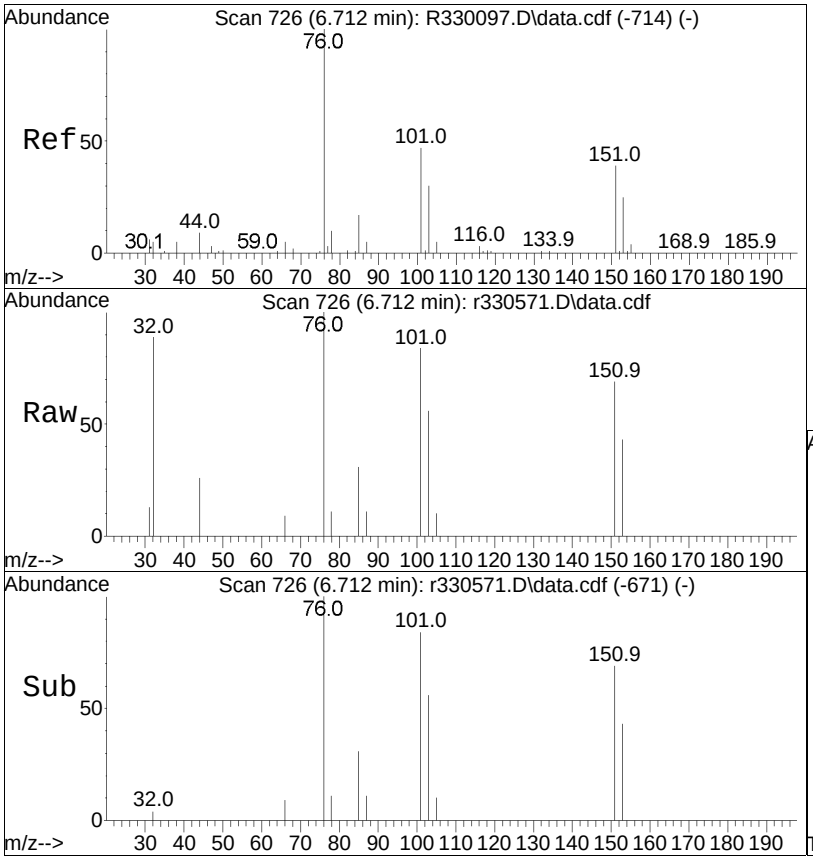


#30
carbon disulfide
Concen: 0.04 ppbV
RT: 6.712 min Scan# 726
Delta R.T. 0.000 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion: 76 Resp: 3714

Ion	Ratio	Lower	Upper
76	100		
44	26.1	7.1	10.7#

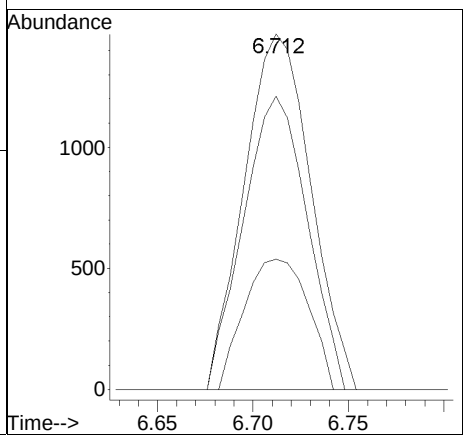


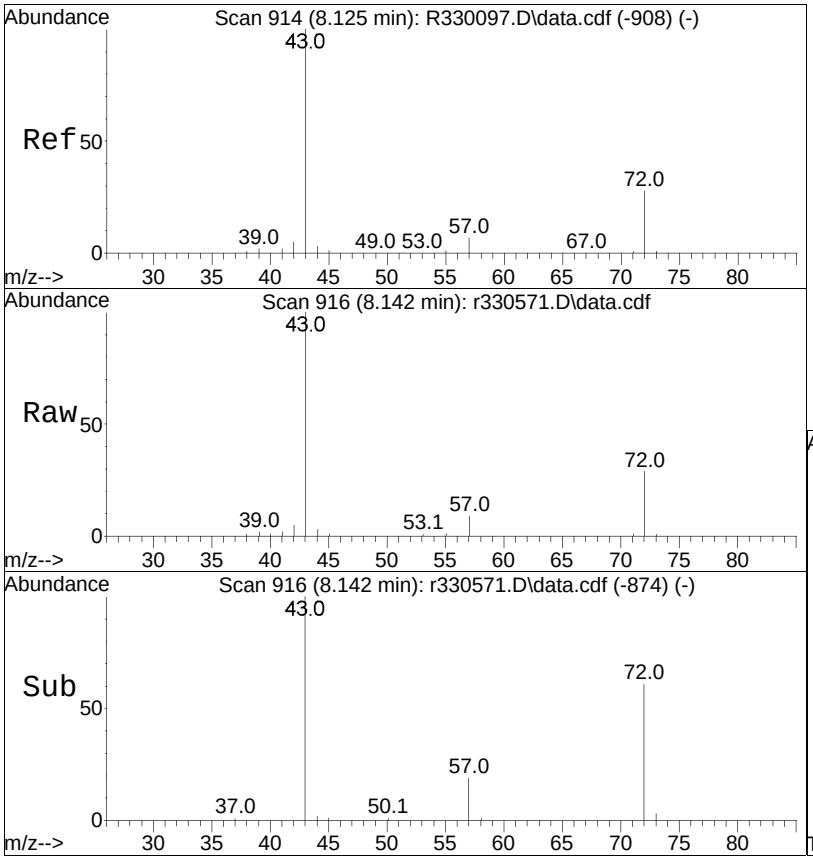


#31
Freon 113
Concen: 0.08 ppbV
RT: 6.712 min Scan# 726
Delta R.T. 0.000 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion:101 Resp: 3569

Ion	Ratio	Lower	Upper
101	100		
85	36.6	28.5	42.7
151	82.5	66.9	100.3

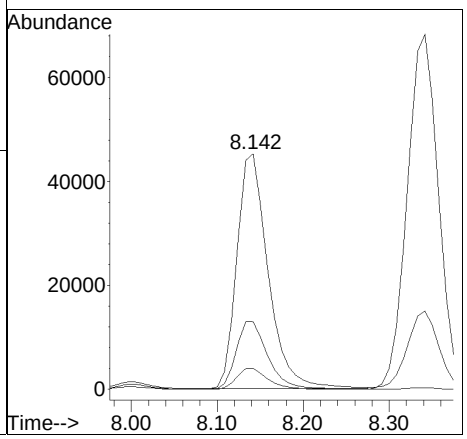


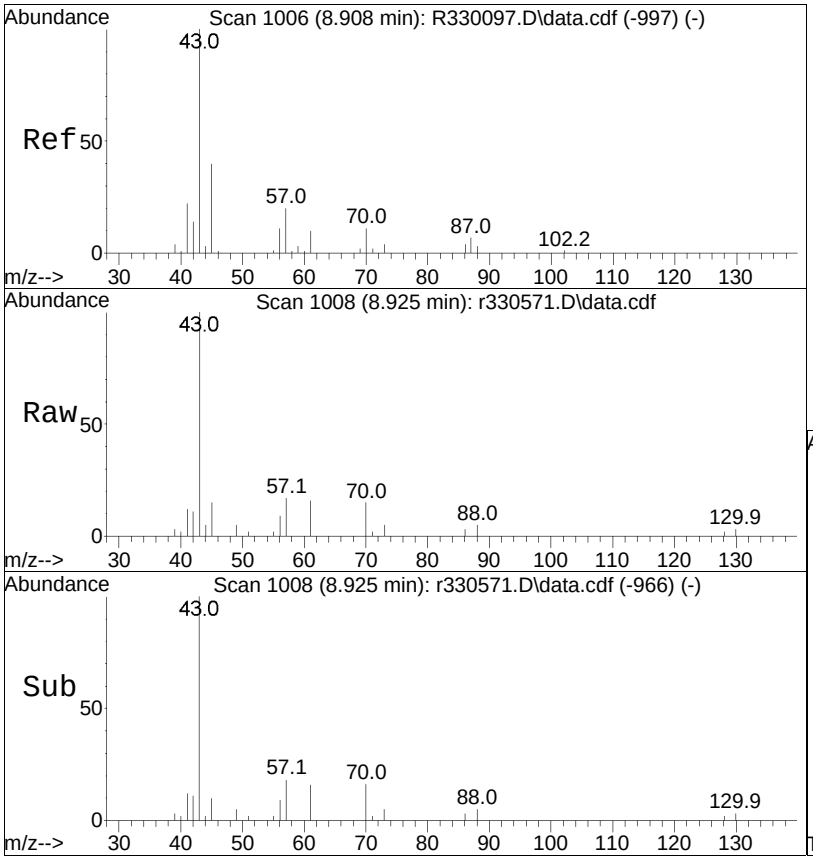


#36
2-butanone
Concen: 1.77 ppbV
RT: 8.142 min Scan# 916
Delta R.T. 0.017 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion: 43 Resp: 114445

Ion	Ratio	Lower	Upper
43	100		
72	28.7	22.1	33.1
57	9.0	5.3	7.9#

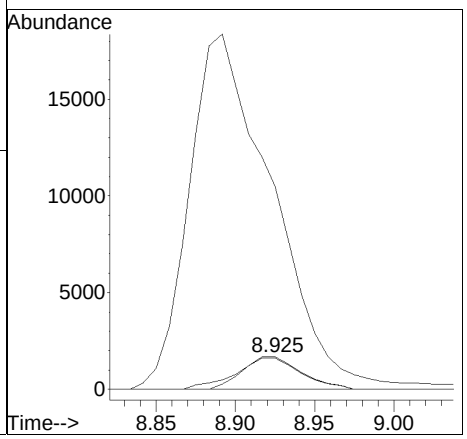


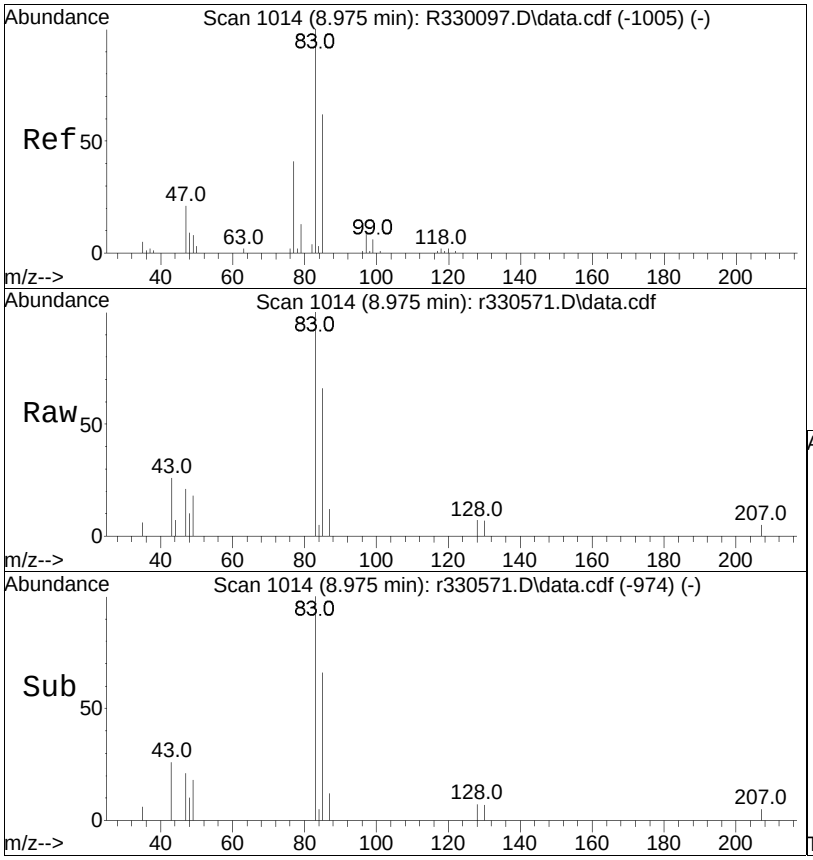


#38
Ethyl Acetate
Concen: 0.45 ppbV
RT: 8.925 min Scan# 1008
Delta R.T. 0.017 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion: 61 Resp: 4377

Ion	Ratio	Lower	Upper
61	100		
70	96.0	87.4	131.0
43	622.6	771.8	1157.6#

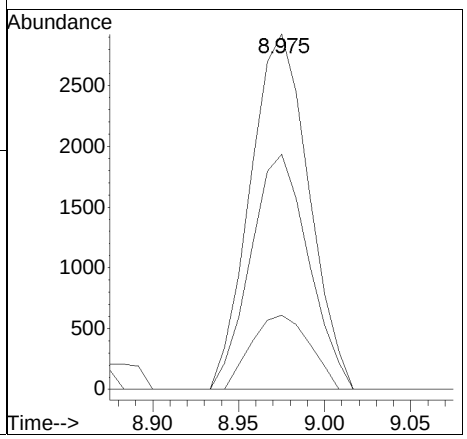


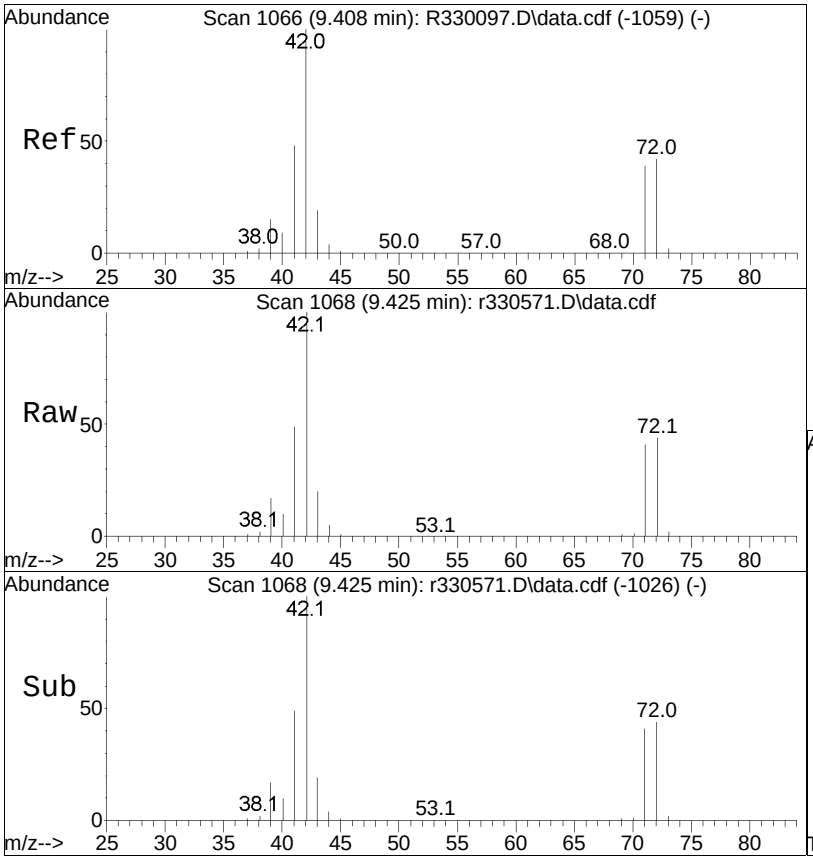


#39
chloroform
Concen: 0.16 ppbV
RT: 8.975 min Scan# 1014
Delta R.T. 0.000 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion: 83 Resp: 6945

Ion	Ratio	Lower	Upper
83	100		
85	66.2	49.8	74.8
47	20.9	16.8	25.2

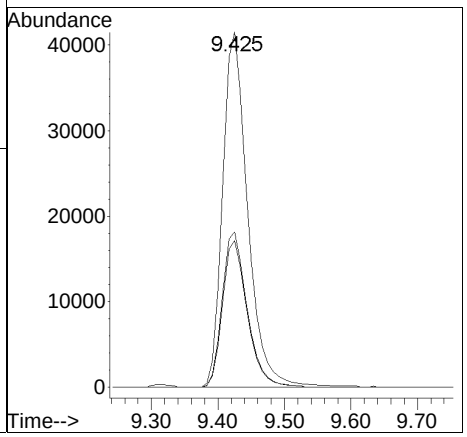


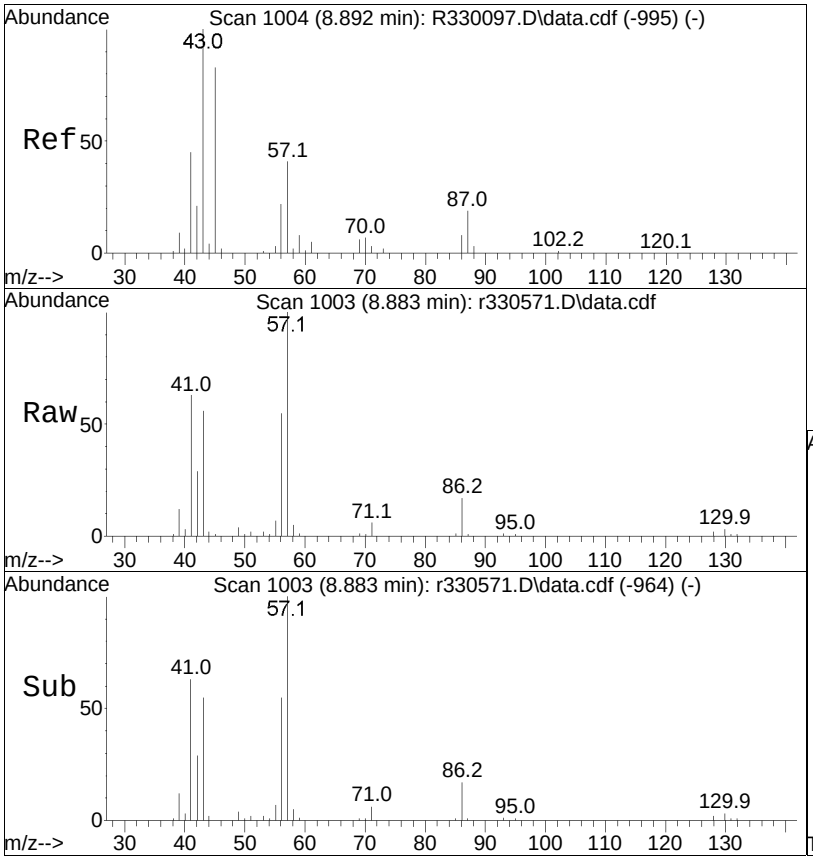


#40
Tetrahydrofuran
Concen: 2.62 ppbV
RT: 9.425 min Scan# 1068
Delta R.T. 0.017 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion: 42 Resp: 109187

Ion	Ratio	Lower	Upper
42	100		
71	41.3	31.0	46.4
72	43.8	33.4	50.2

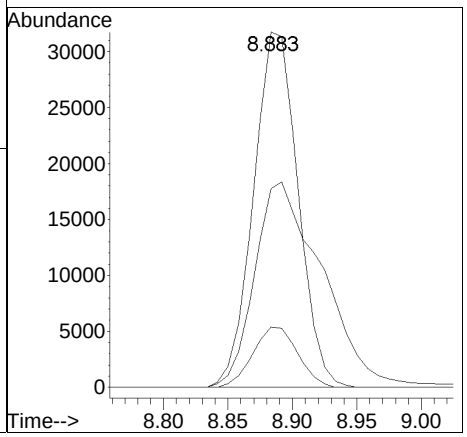


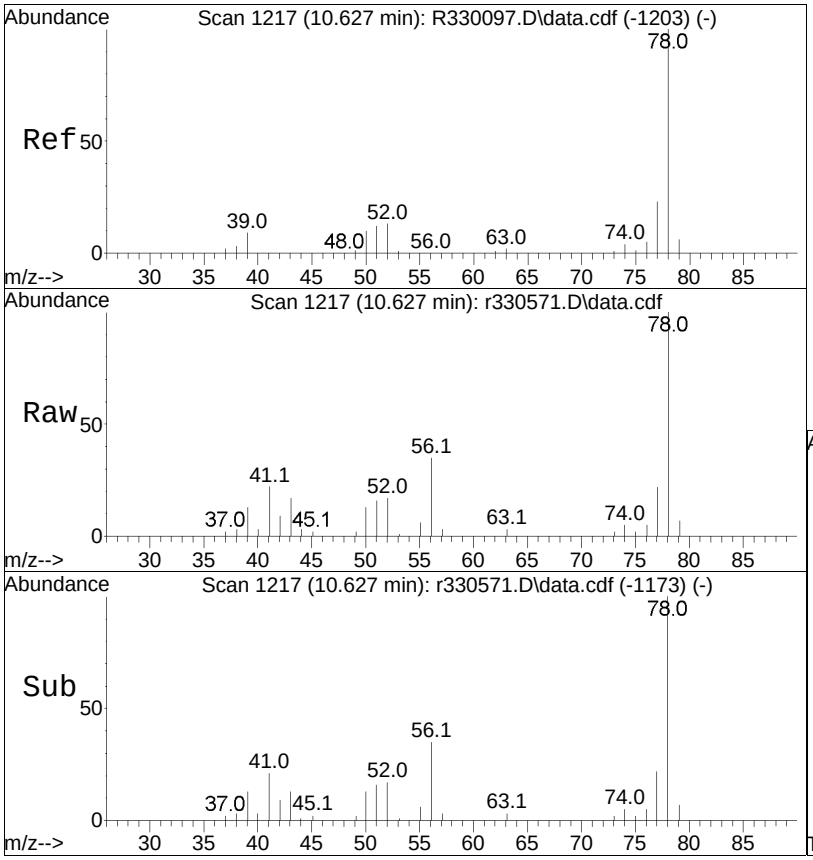


#44
hexane
Concen: 1.80 ppbV
RT: 8.883 min Scan# 1003
Delta R.T. -0.008 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion: 57 Resp: 76392

Ion	Ratio	Lower	Upper
57	100		
43	55.9	196.5	294.7#
86	17.0	15.8	23.6

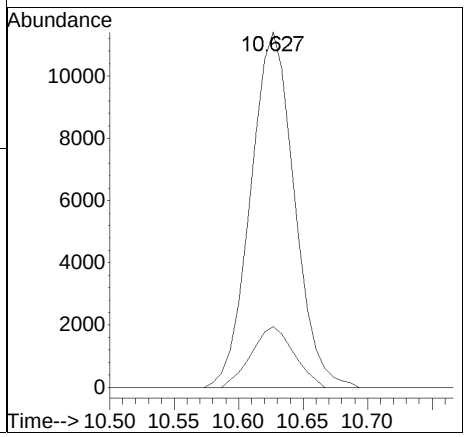


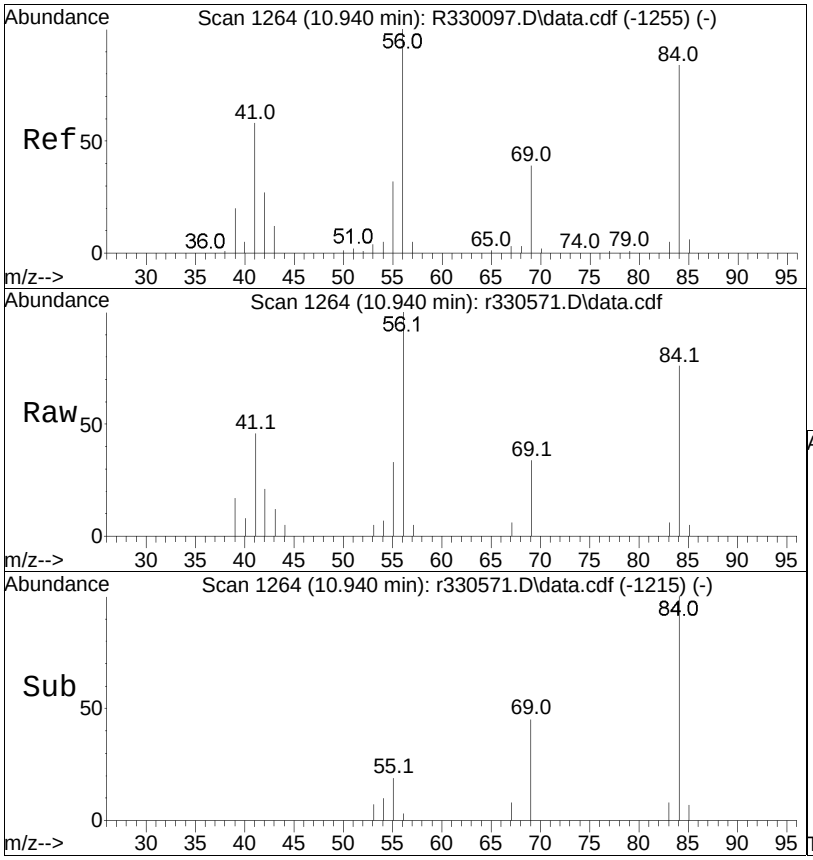


#50
benzene
Concen: 0.28 ppbV
RT: 10.627 min Scan# 1217
Delta R.T. 0.000 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion: 78 Resp: 26918

Ion	Ratio	Lower	Upper
78	100		
52	17.1	10.4	15.6#

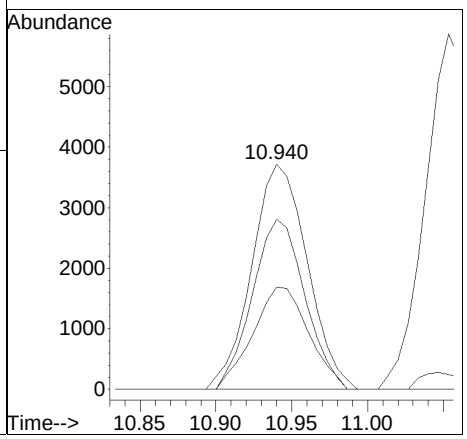


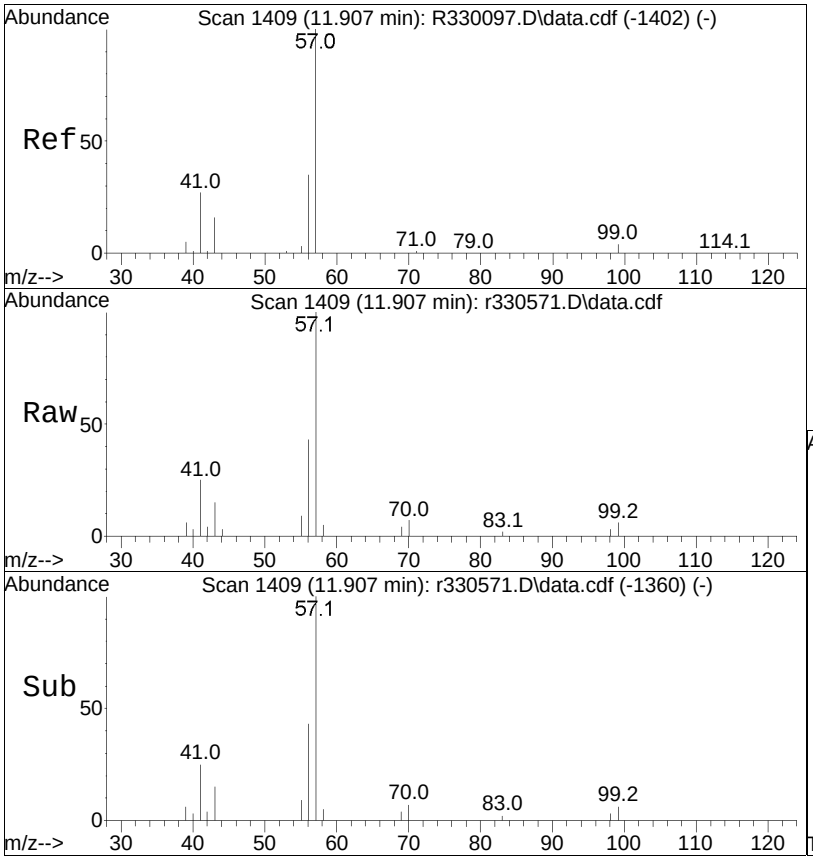


#53
cyclohexane
Concen: 0.21 ppbV
RT: 10.940 min Scan# 1264
Delta R.T. 0.000 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion: 56 Resp: 9480

Ion	Ratio	Lower	Upper
56	100		
84	75.6	67.4	101.2
41	45.5	46.4	69.6#

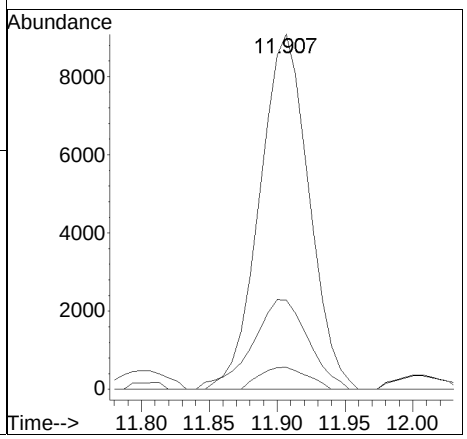


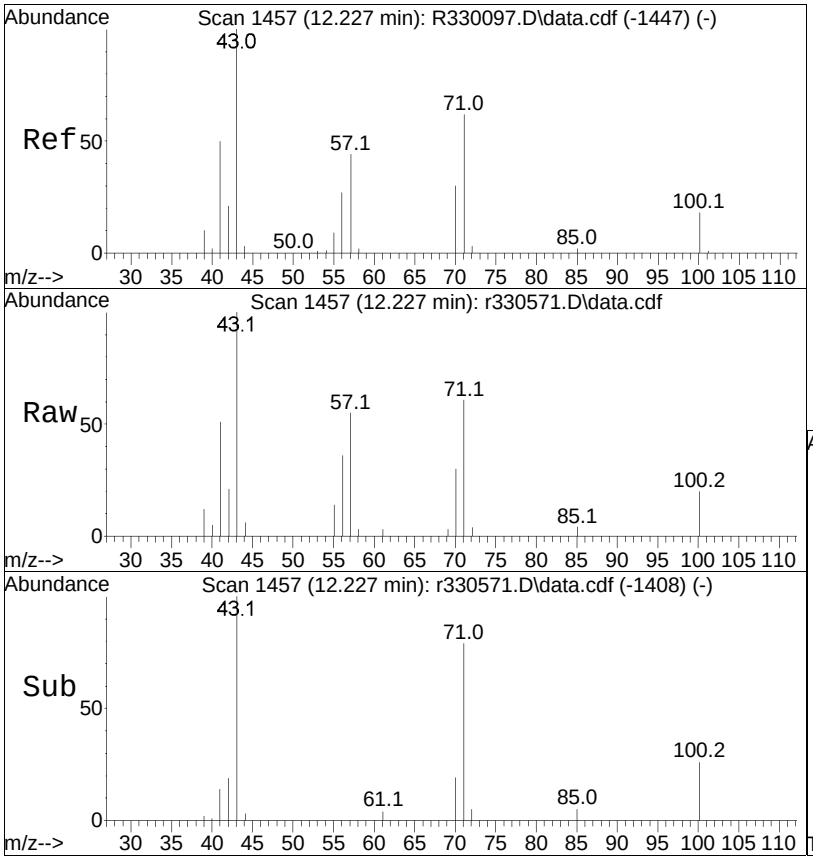


#60
2,2,4-trimethylpentane
Concen: 0.17 ppbV
RT: 11.907 min Scan# 1409
Delta R.T. 0.000 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion: 57 Resp: 22956

Ion	Ratio	Lower	Upper
57	100		
99	6.2	5.3	7.9
41	25.1	21.4	32.0

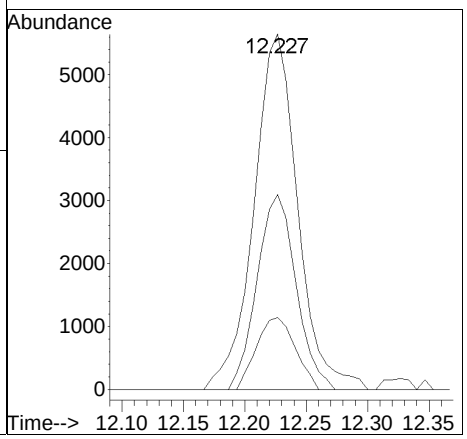


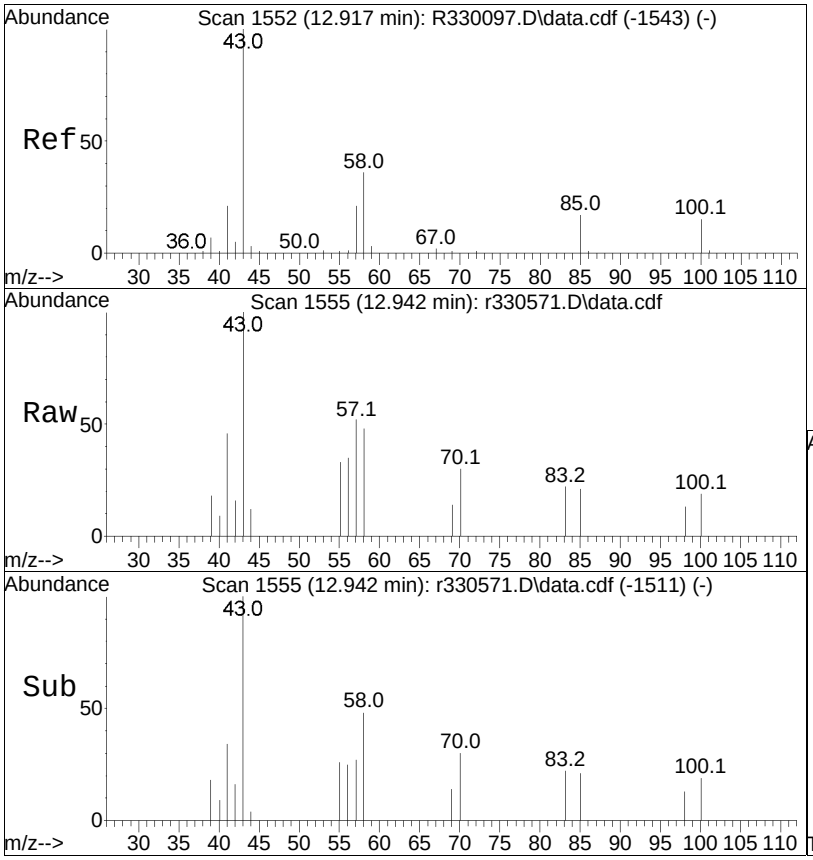


#62
heptane
Concen: 0.23 ppbV
RT: 12.227 min Scan# 1457
Delta R.T. 0.000 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion: 43 Resp: 14035

Ion	Ratio	Lower	Upper
43	100		
57	54.8	34.9	52.3#
100	20.3	14.9	22.3

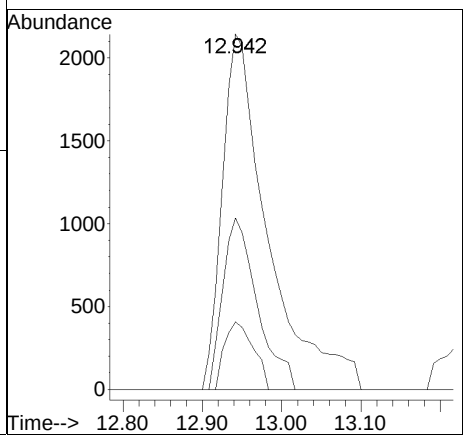


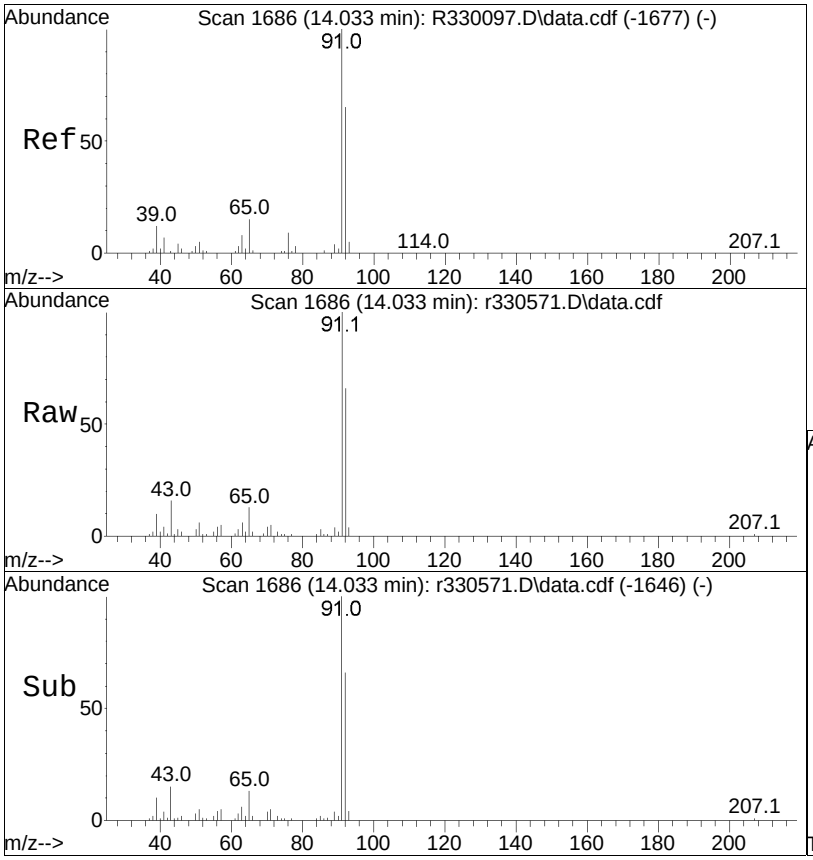


#64
4-methyl-2-pentanone
Concen: 0.12 ppbV
RT: 12.942 min Scan# 1555
Delta R.T. 0.025 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion: 43 Resp: 8595

Ion	Ratio	Lower	Upper
43	100		
58	48.2	29.1	43.7#
100	19.0	12.2	18.4#

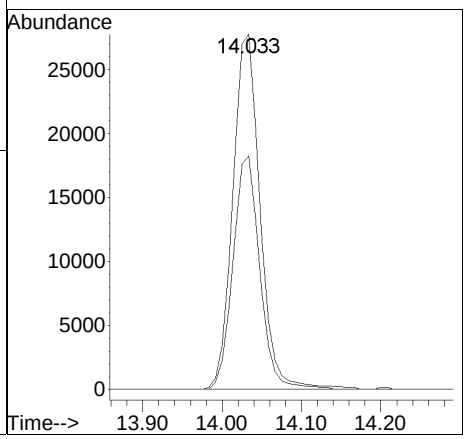


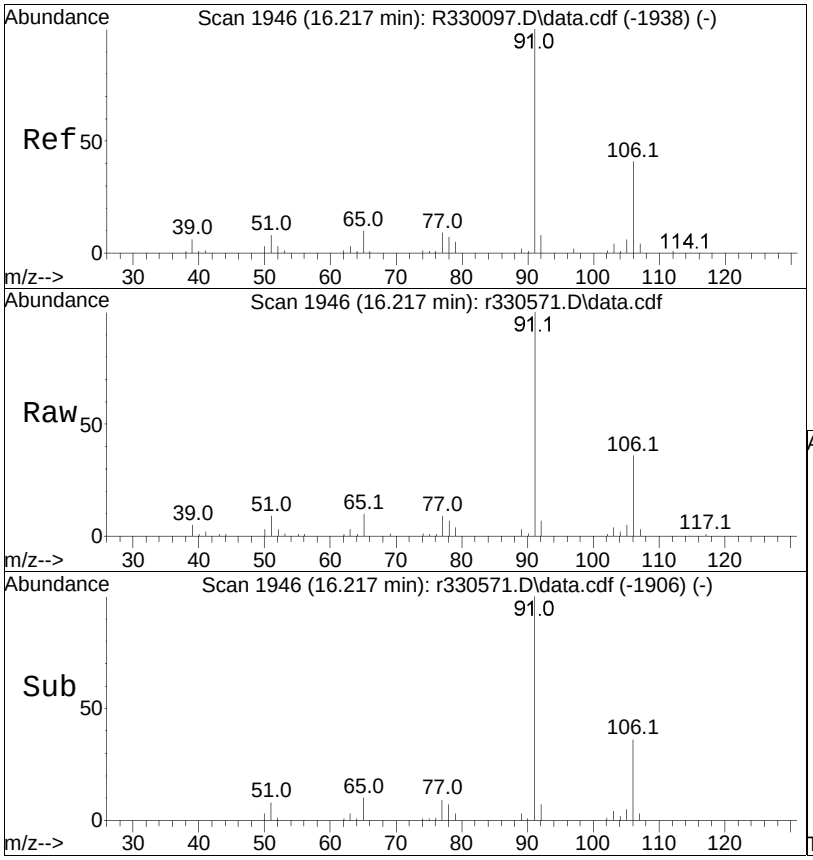


#68
toluene
Concen: 0.54 ppbV
RT: 14.033 min Scan# 1686
Delta R.T. 0.000 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion: 91 Resp: 66402

Ion	Ratio	Lower	Upper
91	100		
92	65.7	52.1	78.1

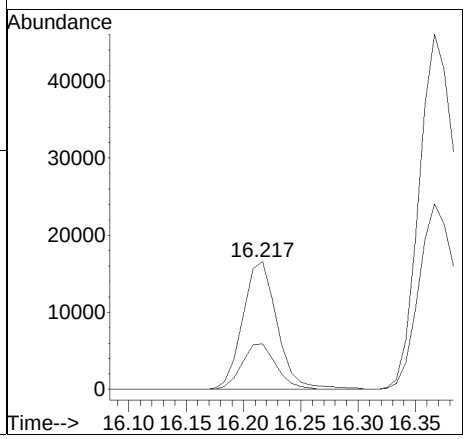


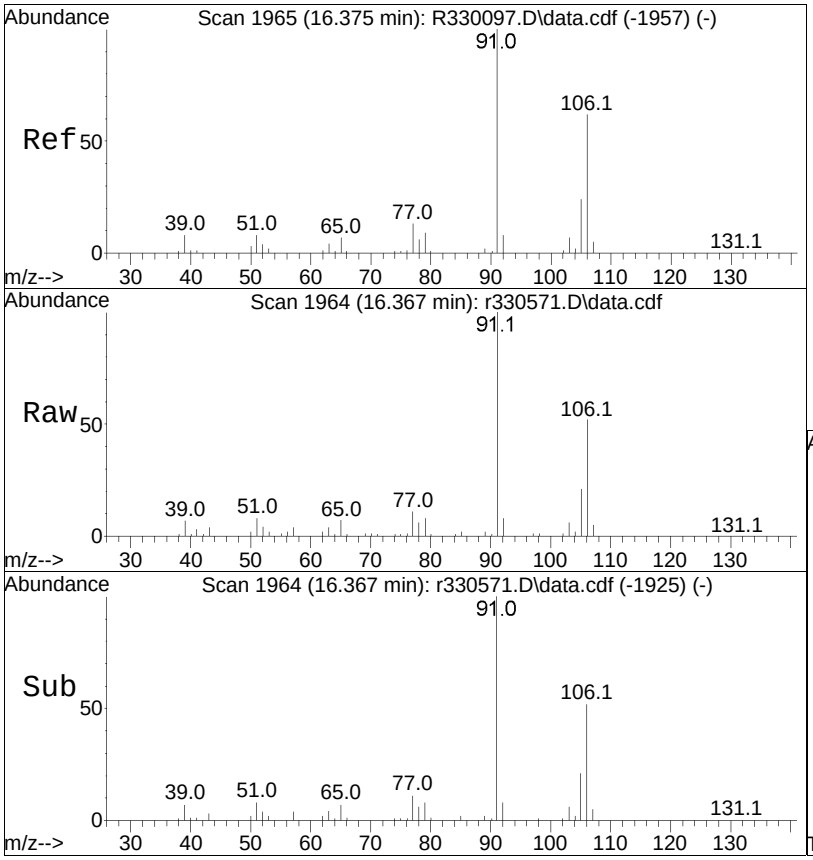


#81
ethylbenzene
Concen: 0.23 ppbV
RT: 16.217 min Scan# 1946
Delta R.T. -0.000 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion: 91 Resp: 34891

Ion	Ratio	Lower	Upper
91	100		
106	35.5	32.6	49.0

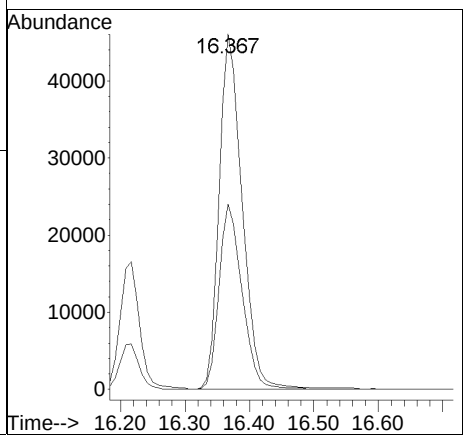


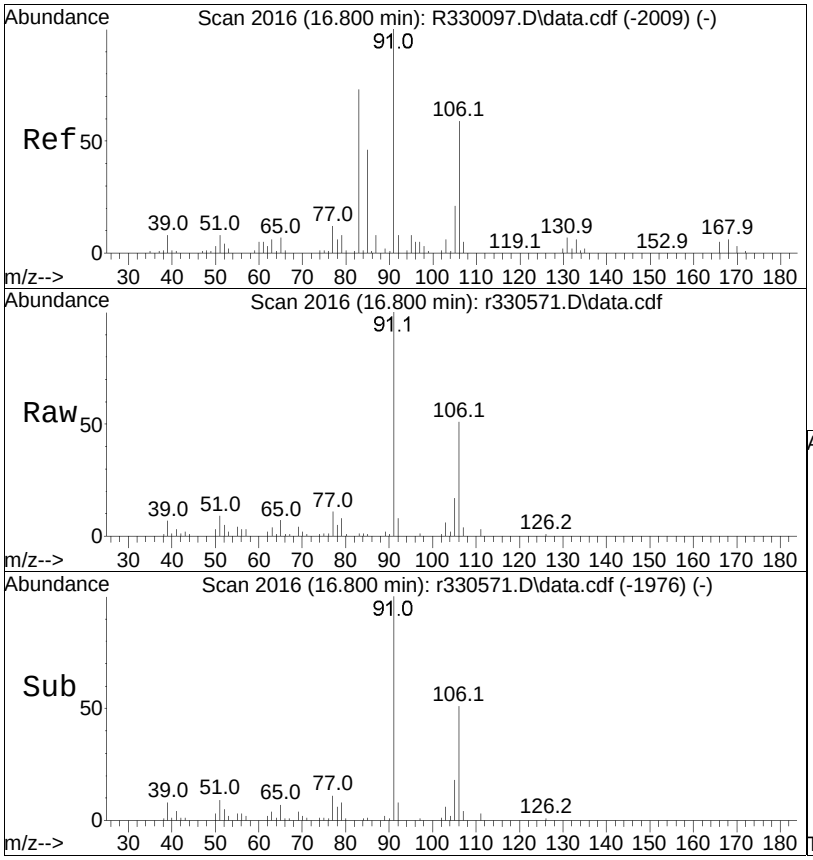


#83
m+p-xylene
Concen: 0.93 ppbV
RT: 16.367 min Scan# 1964
Delta R.T. -0.008 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion: 91 Resp: 114889

Ion	Ratio	Lower	Upper
91	100		
106	52.2	49.2	73.8

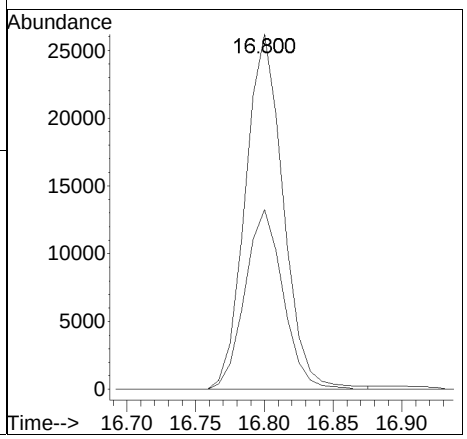


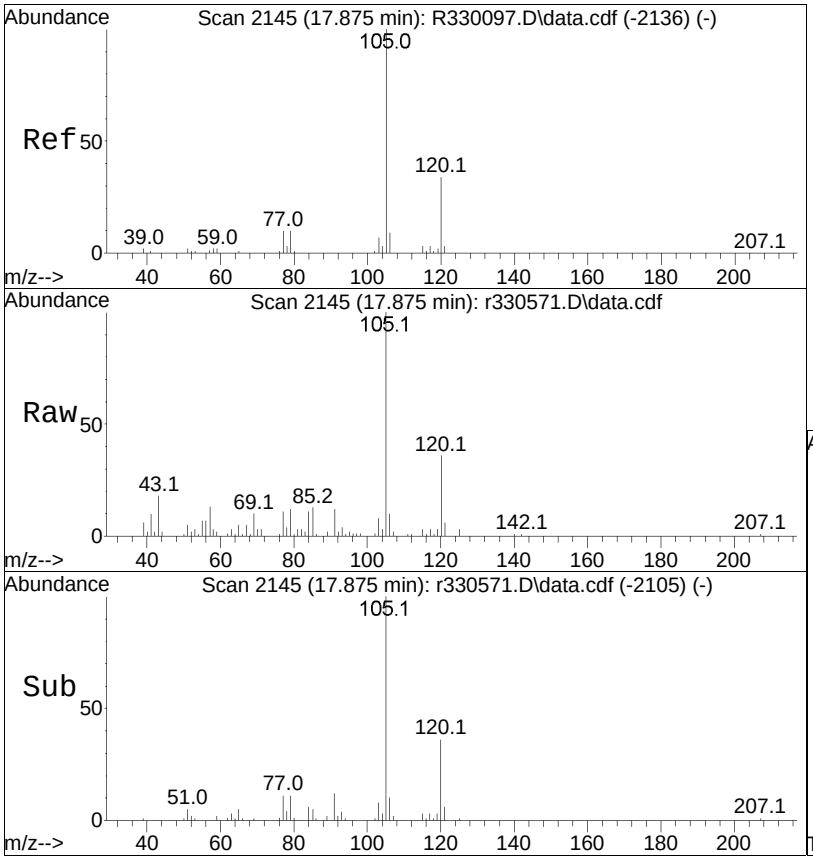


#87
o-xylene
Concen: 0.41 ppbV
RT: 16.800 min Scan# 2016
Delta R.T. 0.000 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion: 91 Resp: 50336

Ion	Ratio	Lower	Upper
91	100		
106	50.6	47.5	71.3

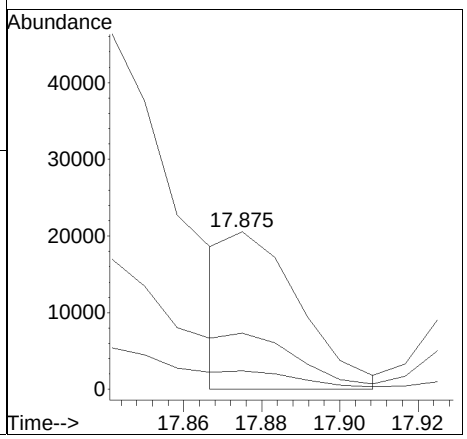


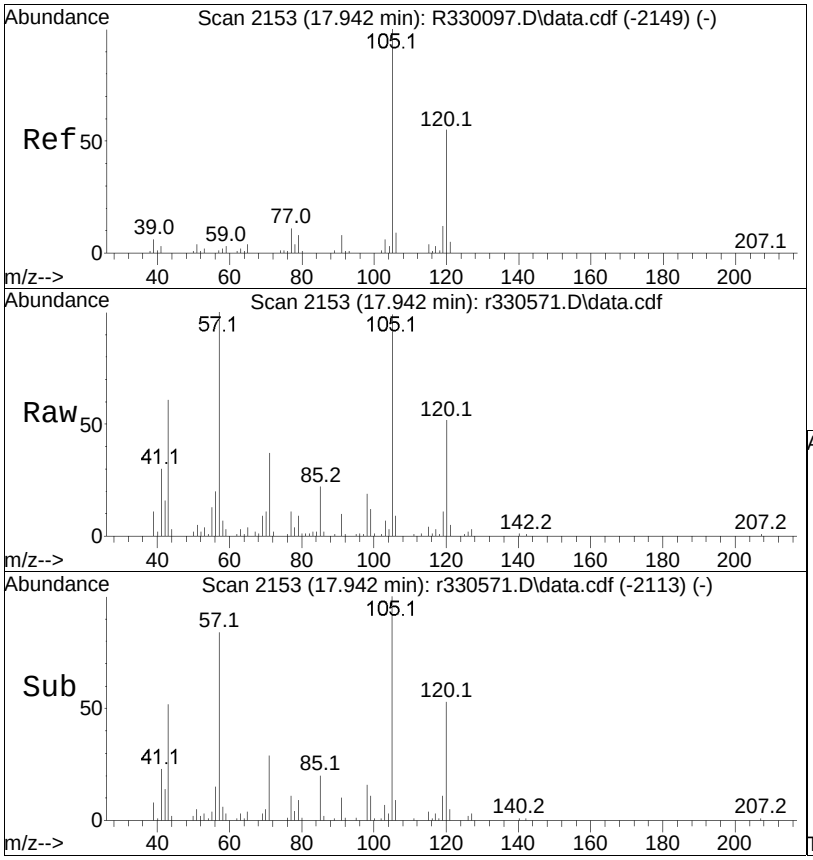


#96
4-ethyl toluene
Concen: 0.15 ppbV m
RT: 17.875 min Scan# 2145
Delta R.T. 0.000 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion:105 Resp: 26434

Ion	Ratio	Lower	Upper
105	100		
120	35.7	27.2	40.8
91	11.7	7.1	10.7#

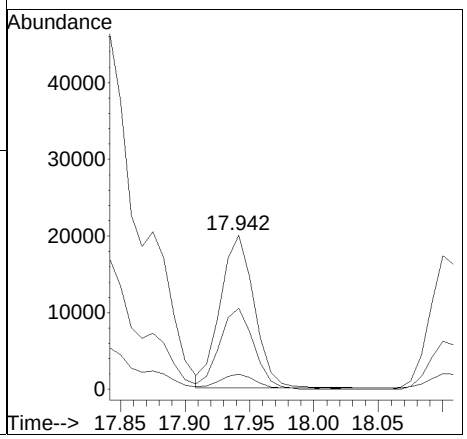


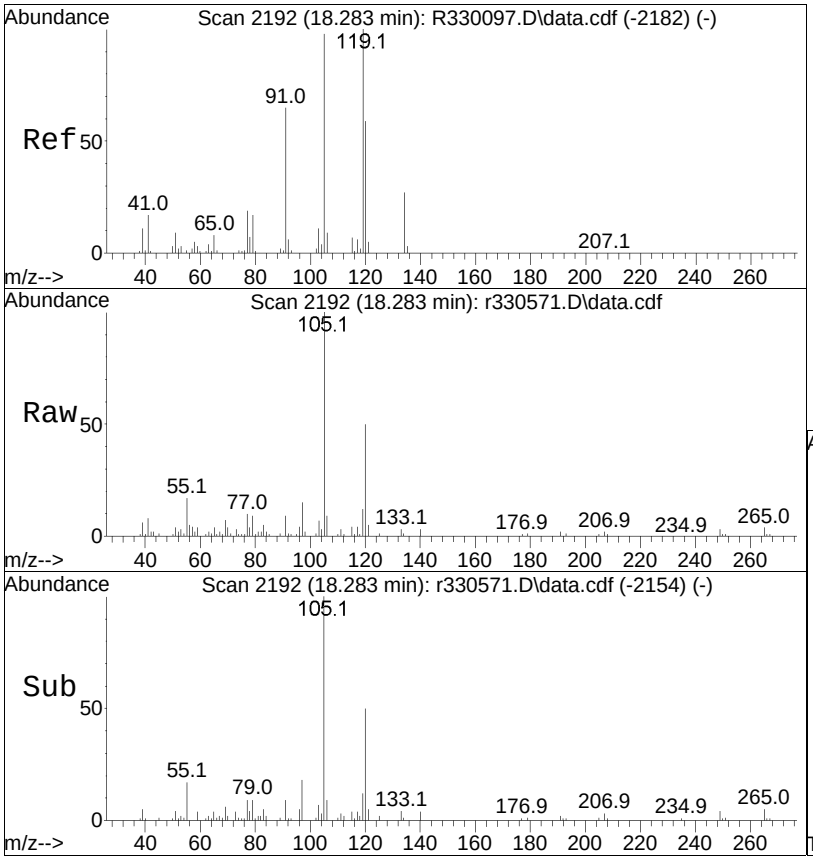


#97
1,3,5-trimethylbenzene
Concen: 0.23 ppbV
RT: 17.942 min Scan# 2153
Delta R.T. 0.000 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion:105 Resp: 36860

Ion	Ratio	Lower	Upper
105	100		
120	52.7	43.1	64.7
91	9.9	6.8	10.2

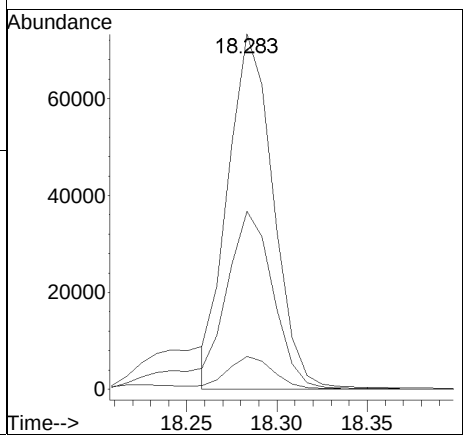


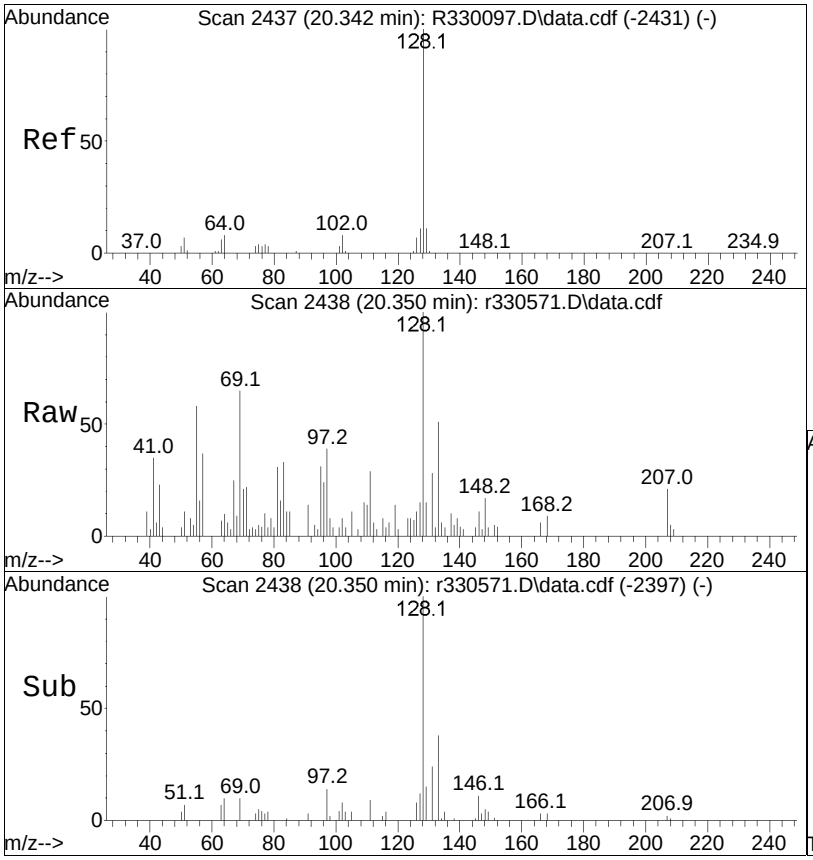


#99
1,2,4-trimethylbenzene
Concen: 0.85 ppbV m
RT: 18.283 min Scan# 2192
Delta R.T. 0.000 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion:105 Resp: 128501

Ion	Ratio	Lower	Upper
105	100		
120	50.1	47.8	71.8
91	9.3	53.4	80.0#

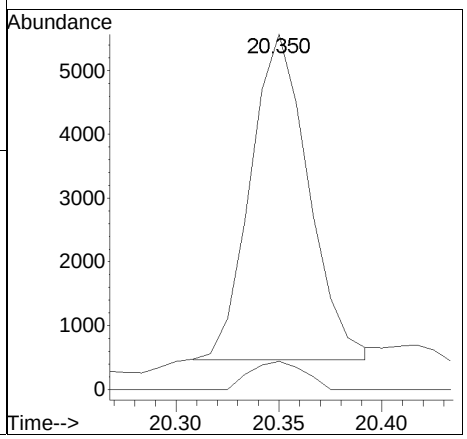




#116
naphthalene
Concen: 0.05 ppbV m
RT: 20.350 min Scan# 2438
Delta R.T. 0.008 min
Lab File: r330571.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion:128 Resp: 10031

Ion	Ratio	Lower	Upper
128	100		
102	7.9	6.3	9.5

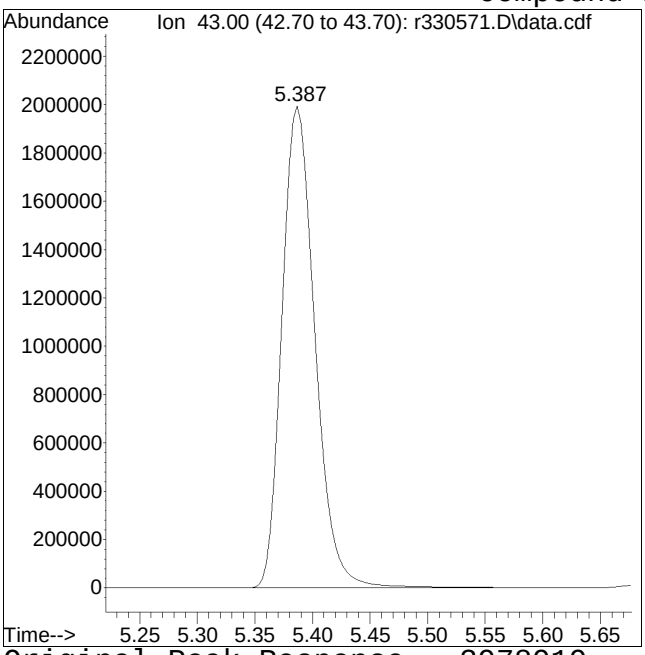


Manual Integration Report

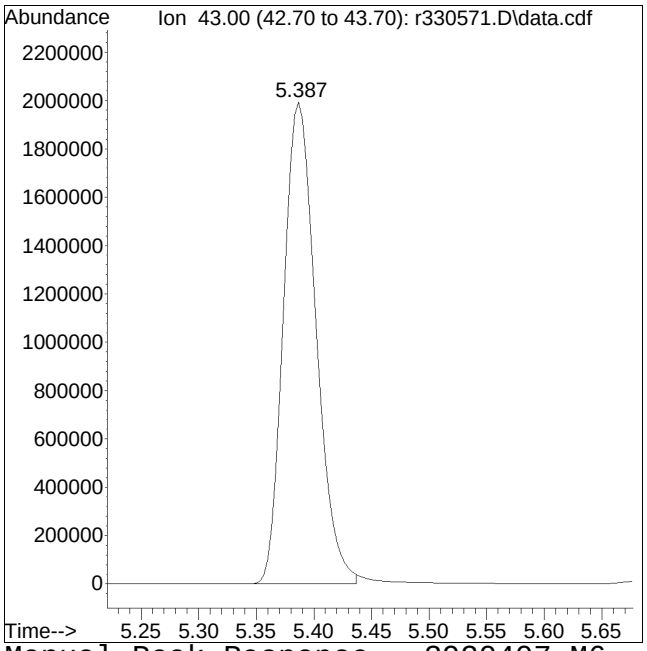
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330571.D
Date Inj'd : 4/23/2020 0:1: 9
Sample : L2419731-05,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:11 am

Compound #19: acetone



Original Peak Response = 3978919



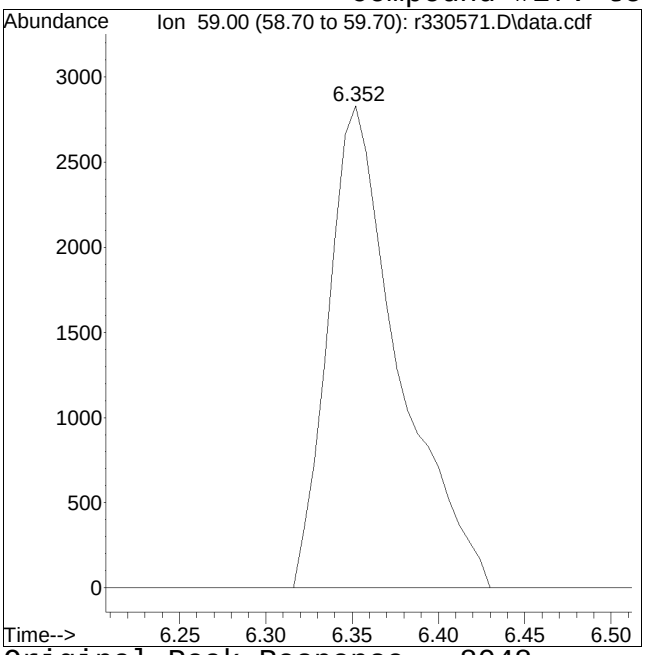
Manual Peak Response = 3920407 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

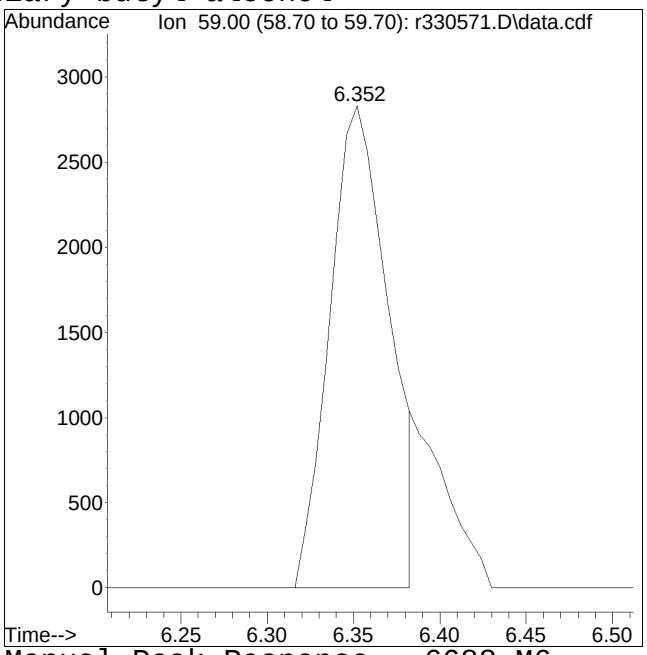
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : r330571.D Operator : AIRPIANO3:JMB
Date Inj'd : 4/23/2020 0:1: 9 Instrument :
Sample : L2419731-05,3,250,250 Quant Date : 4/24/2024 7:11 am

Compound #27: tertiary butyl alcohol



Original Peak Response = 8048



Manual Peak Response = 6688 M6

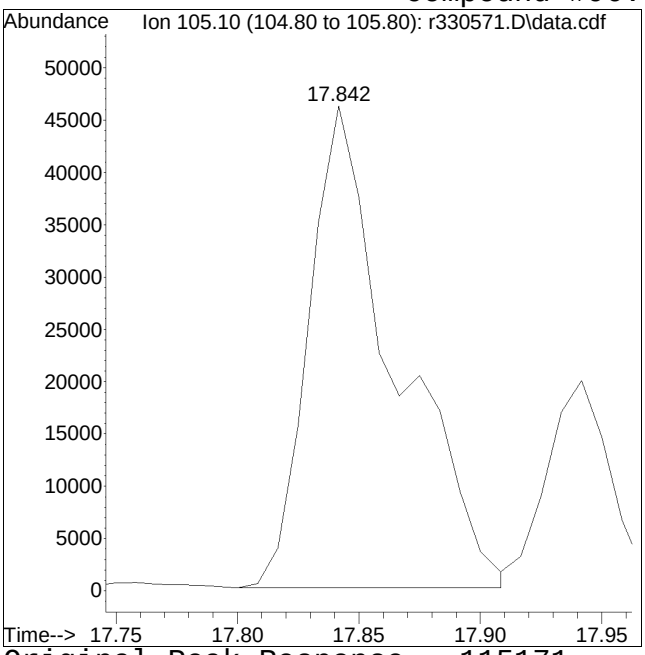
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

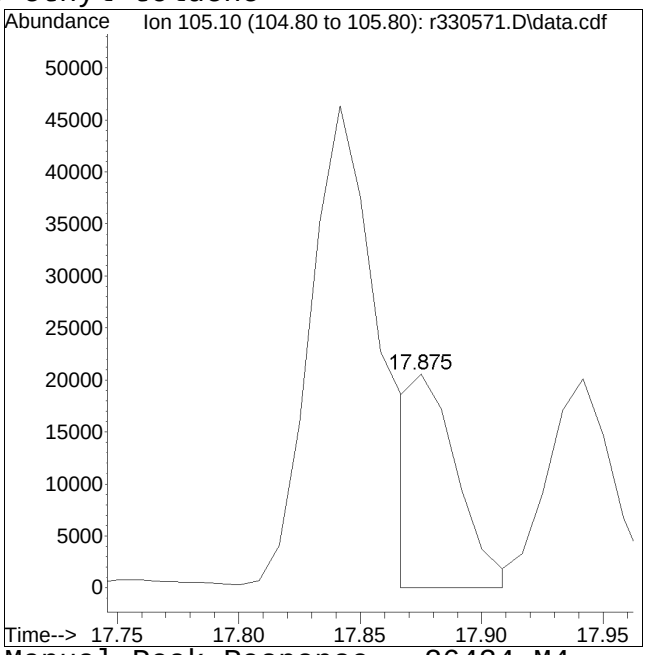
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330571.D
Date Inj'd : 4/23/2020 0:1: 9
Sample : L2419731-05,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:11 am

Compound #96: 4-ethyl toluene



Original Peak Response = 115171



Manual Peak Response = 26434 M4

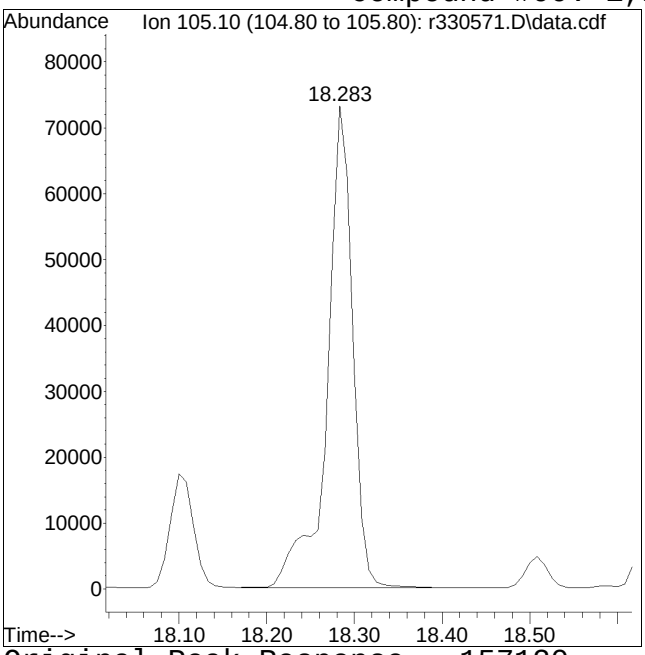
M4 = Poor automated baseline construction.

Manual Integration Report

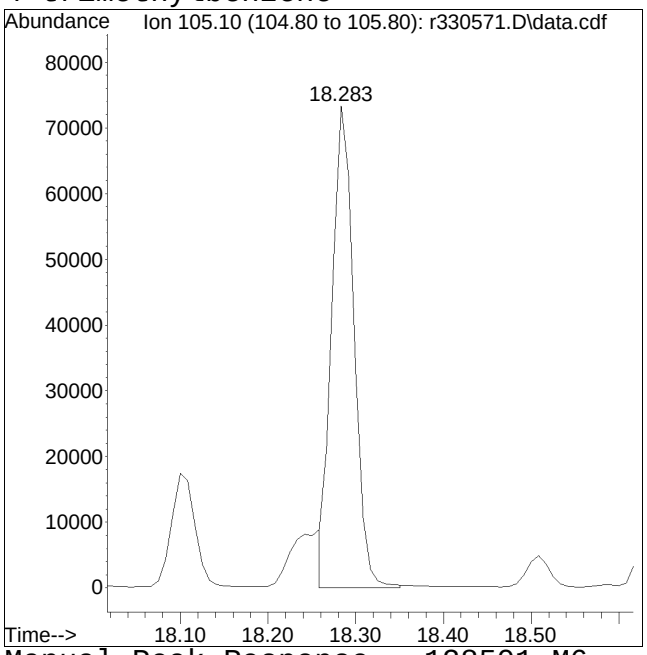
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330571.D
Date Inj'd : 4/23/2020 0:1: 9
Sample : L2419731-05,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:11 am

Compound #99: 1,2,4-trimethylbenzene



Original Peak Response = 157120



Manual Peak Response = 128501 M6

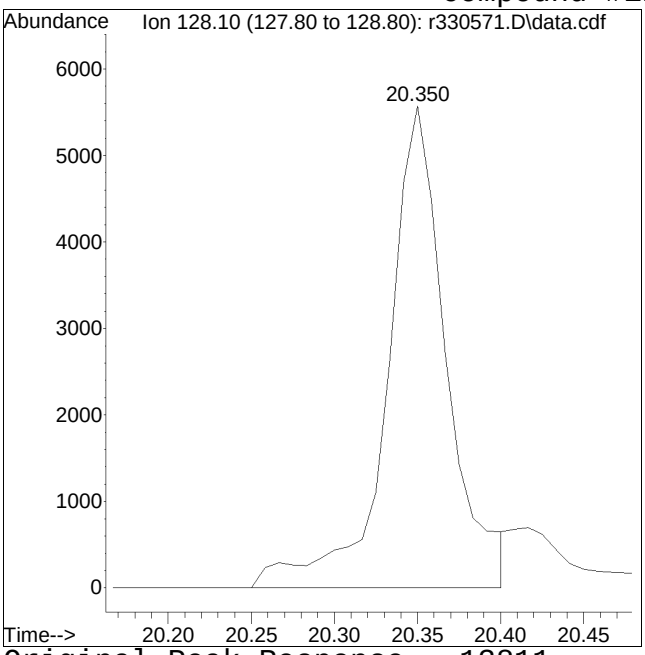
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

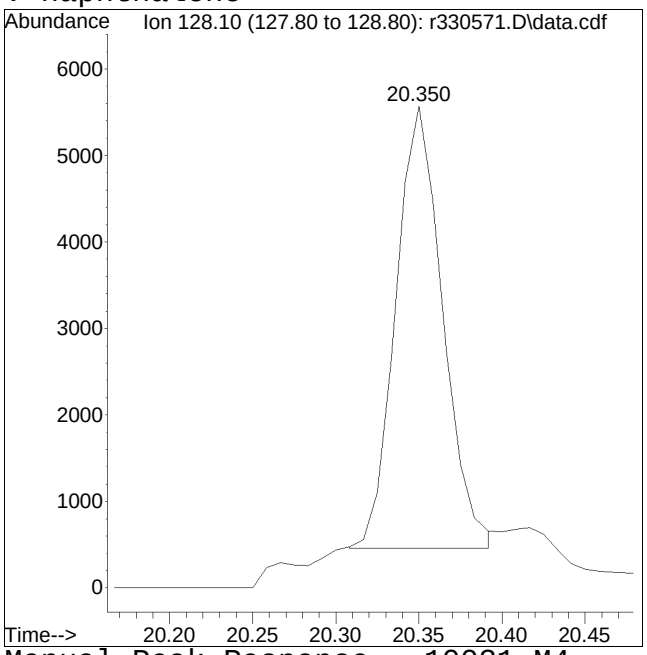
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330571.D
Date Inj'd : 4/23/2020 0:1: 9
Sample : L2419731-05,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:11 am

Compound #116: naphthalene



Original Peak Response = 13811



Manual Peak Response = 10031 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330573.D
Acq On : 24 Apr 2024 12:30 AM
Operator : AIRPIANO3:JMB
Sample : L2419731-06,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:12:57 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423T\r330561.D
Sub List : TO15-NY+NAPH-7-SIM - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.825	49	341957	10.000	ppbV	0.00
Standard Area = 361003			Recovery = 94.72%			
43) 1,4-difluorobenzene	11.060	114	1125694	10.000	ppbV	0.00
Standard Area = 1163384			Recovery = 96.76%			
67) chlorobenzene-D5	15.817	54	172151	10.000	ppbV	0.00
Standard Area = 169079			Recovery = 101.82%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.798	85	15729	0.422	ppbV	99
6) chloromethane	3.954	50	9186	0.493	ppbV	99
7) Freon-114	4.062		0	N.D.		
10) 1,3-butadiene	4.314	54	707	0.043	ppbV	93
13) bromomethane	4.584		0	N.D.		
14) chloroethane	4.764		0	N.D.		
15) ethanol	4.890	31	357411	30.556	ppbV #	78
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.393	43	3220059M6	86.521	ppbV	
21) trichlorofluoromethane	5.587	101	9562	0.252	ppbV	98
22) isopropyl alcohol	5.683	45	160788	3.241	ppbV #	96
27) tertiary butyl alcohol	6.352	59	7195M6	0.146	ppbV	
28) methylene chloride	6.418	49	5689	0.208	ppbV	96
29) 3-chloropropene	6.466		0	N.D.		
30) carbon disulfide	6.718	76	5750	0.068	ppbV #	60
31) Freon 113	6.718	101	3474	0.078	ppbV	97
32) trans-1,2-dichloroethene	0.000		0	N.D.		
33) 1,1-dichloroethane	7.683		0	N.D.		
34) MTBE	7.733		0	N.D.		
36) 2-butanone	8.142	43	101553	1.596	ppbV #	96
38) Ethyl Acetate	8.925	61	9240	0.970	ppbV #	20
39) chloroform	8.975	83	6911	0.164	ppbV	97
40) Tetrahydrofuran	9.425	42	97101	2.363	ppbV	95
42) 1,2-dichloroethane	9.817		0	N.D.		
44) hexane	8.892	57	74115	1.755	ppbV #	1
50) benzene	10.627	78	25644	0.268	ppbV #	92
53) cyclohexane	10.947	56	8239	0.184	ppbV	88
56) 1,2-dichloropropane	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330573.D
Acq On : 24 Apr 2024 12:30 AM
Operator : AIRPIANO3:JMB
Sample : L2419731-06,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:12:57 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423T\r330561.D
Sub List : TO15-NY+NAPH-7-SIM - .

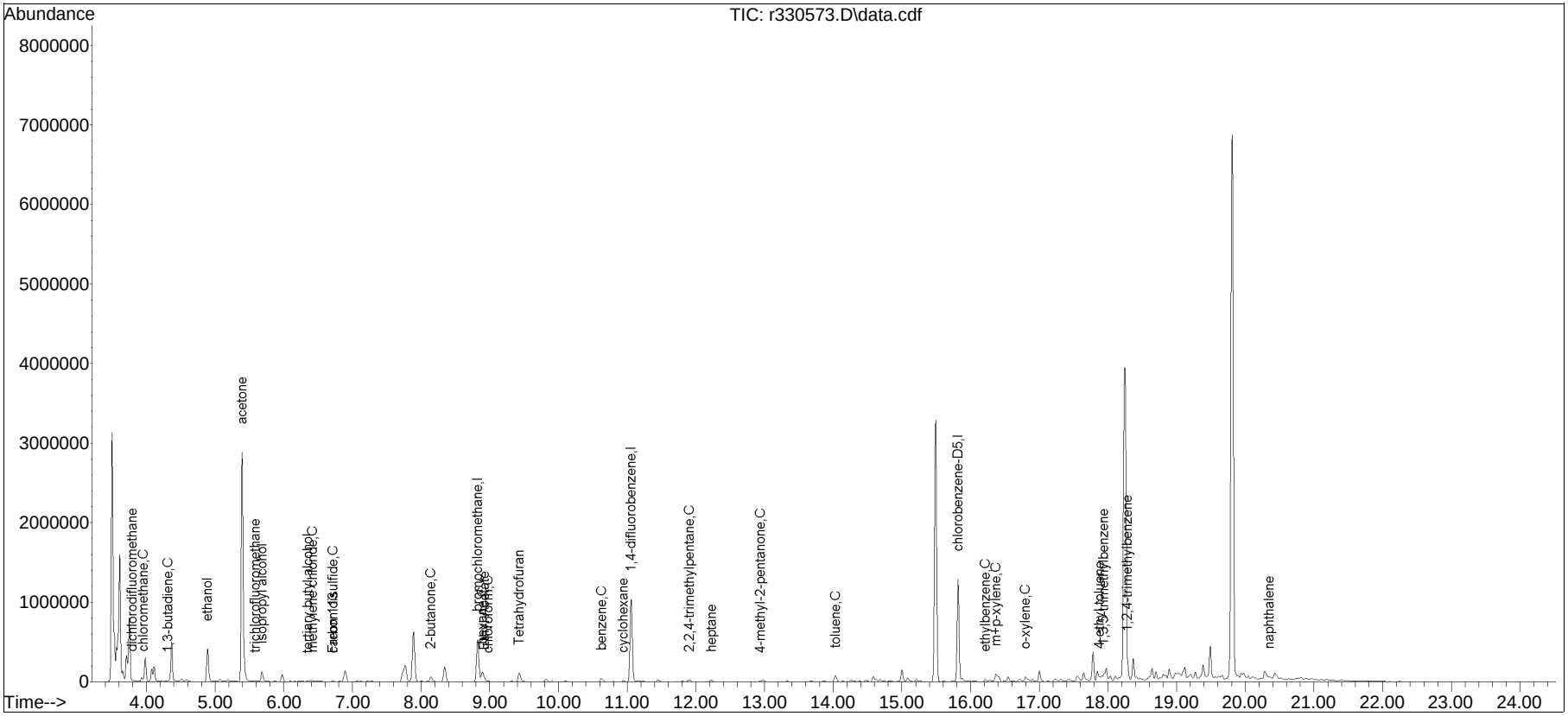
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	11.807		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	11.907	57	22336	0.163	ppbV	97
62) heptane	12.227	43	13126	0.214	ppbV #	83
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.942	43	9362	0.130	ppbV #	80
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	14.033	91	60318	0.492	ppbV	98
72) 2-hexanone	14.383		0	N.D.		
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
80) chlorobenzene	0.000		0	N.D.	d	
81) ethylbenzene	16.217	91	27565	0.179	ppbV	92
83) m+p-xylene	16.367	91	84938	0.687	ppbV	89
84) bromoform	0.000		0	N.D.		
85) styrene	16.717		0	N.D.		
86) 1,1,2,2-tetrachloroethane	16.717		0	N.D.		
87) o-xylene	16.800	91	38843	0.317	ppbV	89
96) 4-ethyl toluene	17.875	105	23824M4	0.131	ppbV	
97) 1,3,5-trimethylbenzene	17.942	105	25882	0.163	ppbV	99
99) 1,2,4-trimethylbenzene	18.283	105	103214M4	0.678	ppbV	
101) Benzyl Chloride	0.000		0	N.D.	d	
102) 1,3-dichlorobenzene	18.483		0	N.D.		
103) 1,4-dichlorobenzene	18.483		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.350	128	13330M4	0.069	ppbV	
119) hexachlorobutadiene	0.000		0	N.D.		

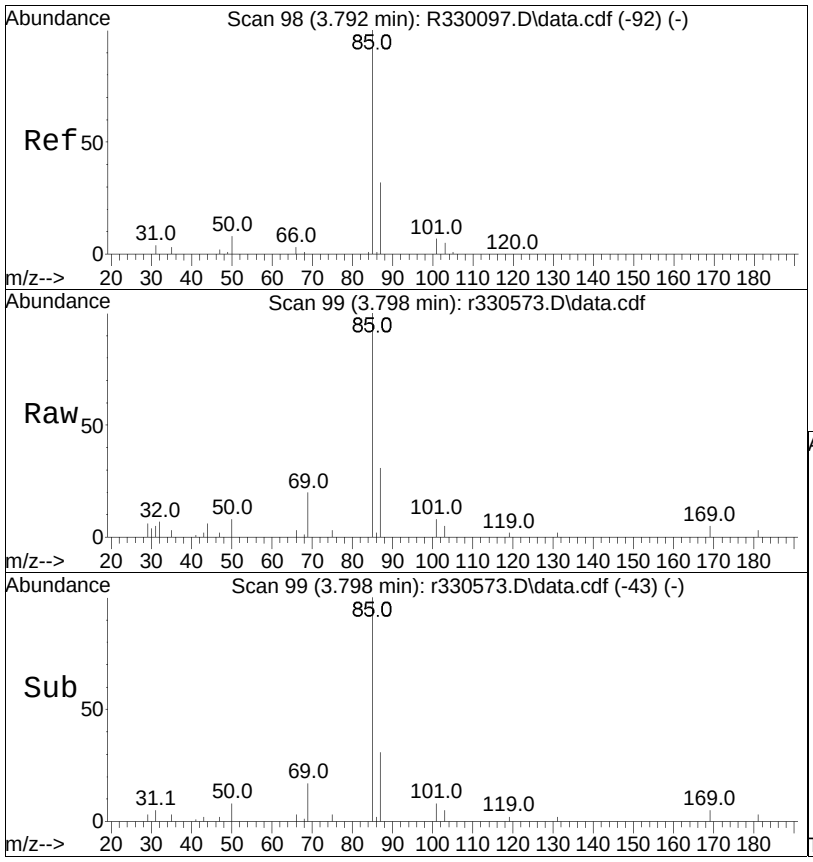
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY+NAPH-7-SIM - .iano3\2024\04\0423T\r330561.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330573.D
Acq On : 24 Apr 2024 12:30 AM
Operator : AIRPIANO3:JMB
Sample : L2419731-06,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:12:57 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

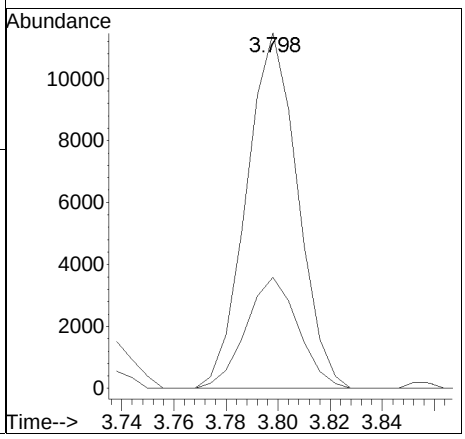


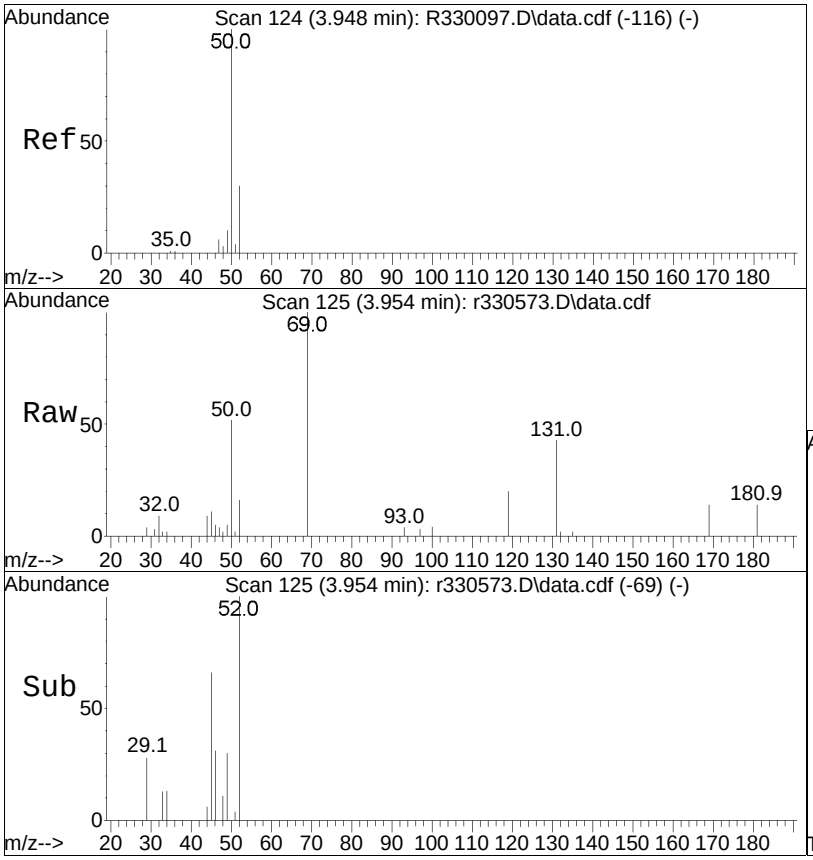


#5
dichlorodifluoromethane
Concen: 0.42 ppbV
RT: 3.798 min Scan# 99
Delta R.T. 0.006 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion: 85 Resp: 15729

Ion	Ratio	Lower	Upper
85	100		
87	31.3	25.4	38.2

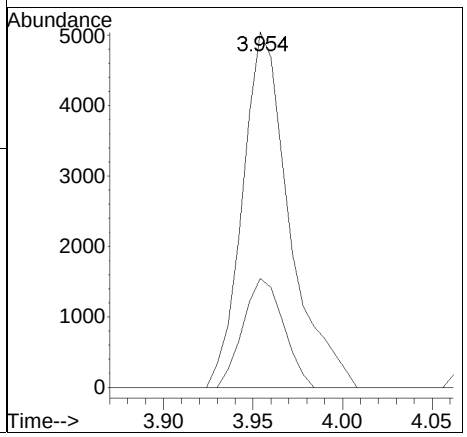


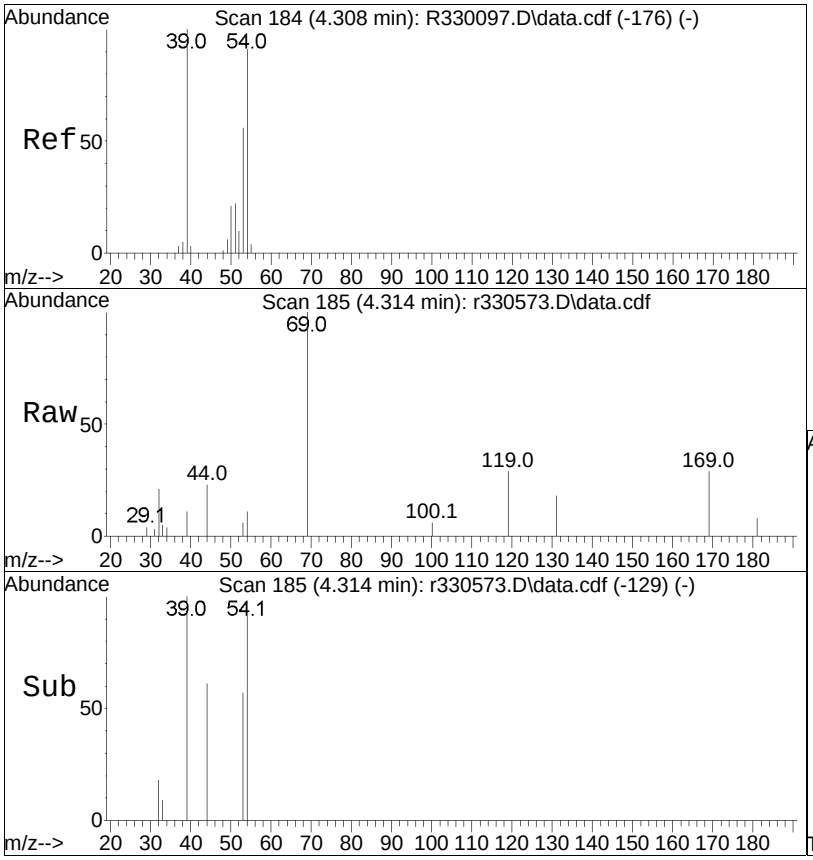


#6
chloromethane
Concen: 0.49 ppbV
RT: 3.954 min Scan# 125
Delta R.T. 0.006 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion: 50 Resp: 9186

Ion	Ratio	Lower	Upper
50	100		
52	30.7	24.0	36.0

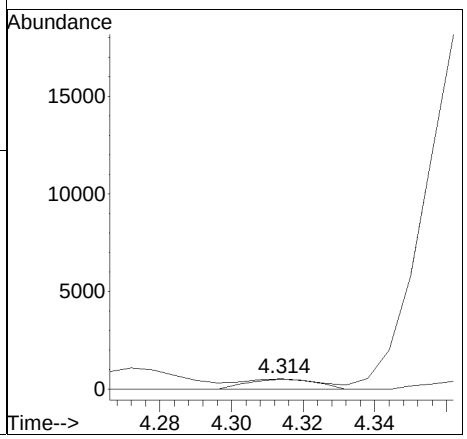


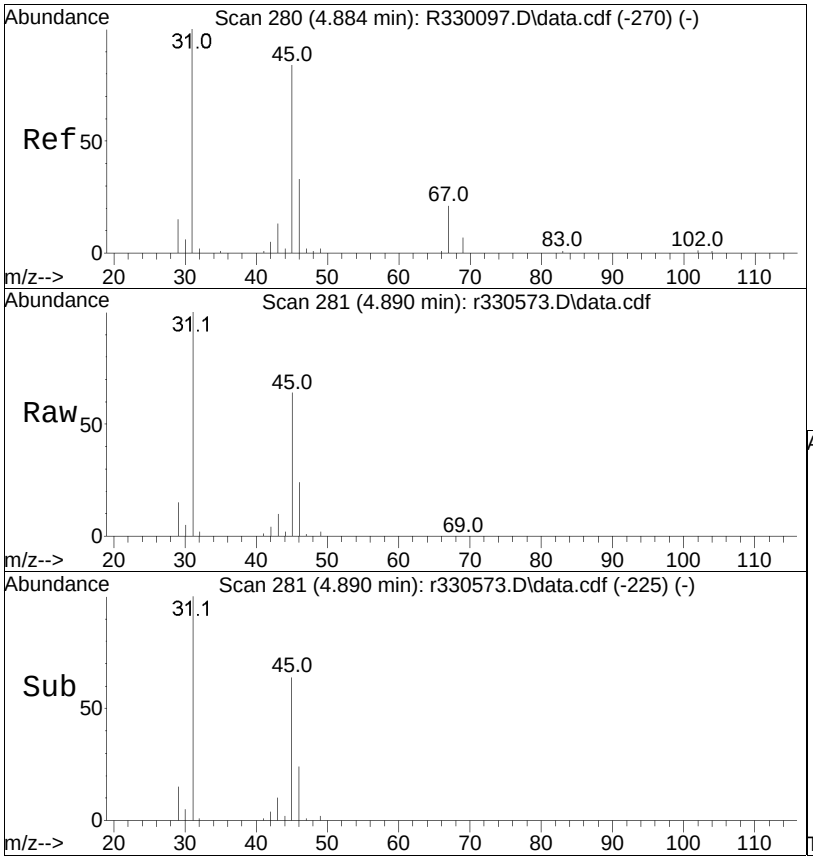


#10
1,3-butadiene
Concen: 0.04 ppbV
RT: 4.314 min Scan# 185
Delta R.T. 0.006 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion: 54 Resp: 707

Ion	Ratio	Lower	Upper
54	100		
39	102.9	88.2	132.4

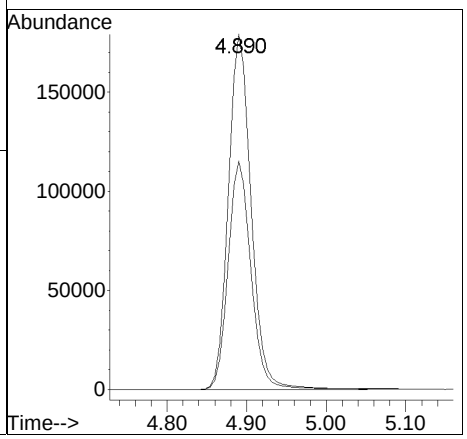


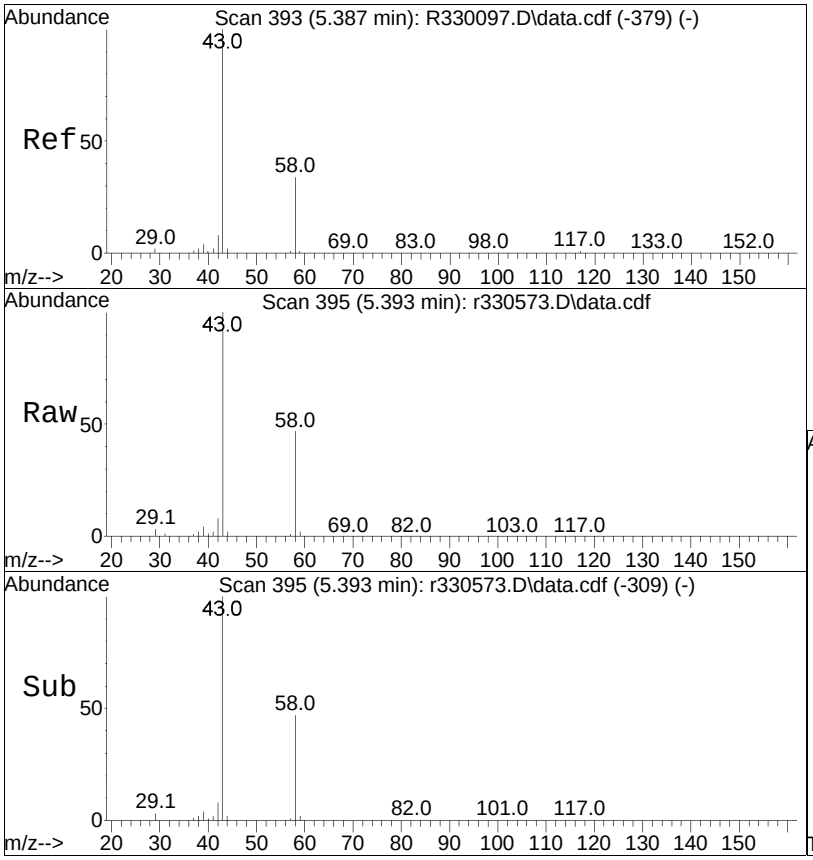


#15
ethanol
Concen: 30.56 ppbV
RT: 4.890 min Scan# 281
Delta R.T. 0.006 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion: 31 Resp: 357411

Ion	Ratio	Lower	Upper
31	100		
45	64.3	67.5	101.3#

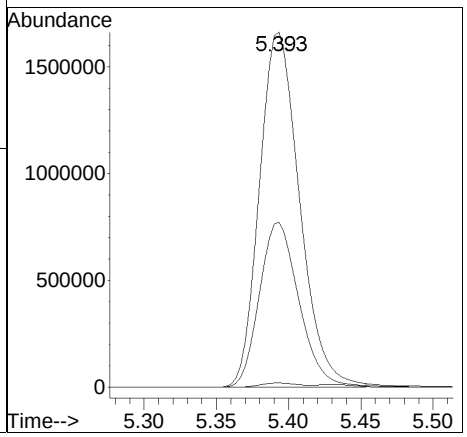


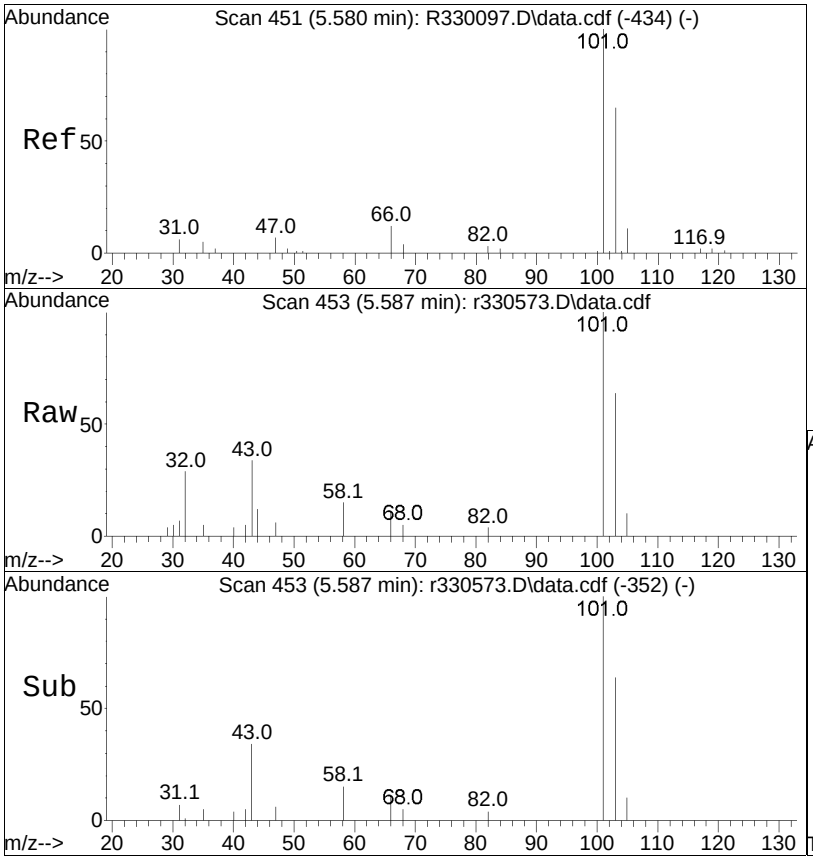


#19
acetone
Concen: 86.52 ppbV m
RT: 5.393 min Scan# 395
Delta R.T. 0.006 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion: 43 Resp: 3220059

Ion	Ratio	Lower	Upper
43	100		
58	46.5	27.3	40.9#
57	1.2	0.8	1.2#

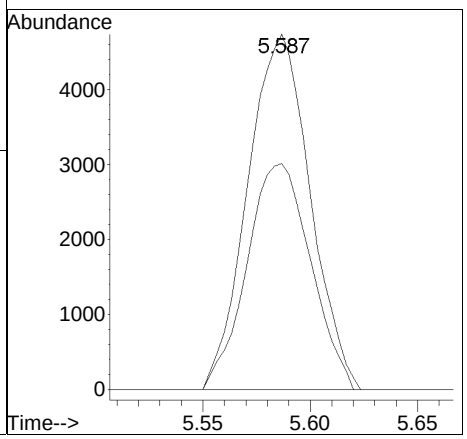


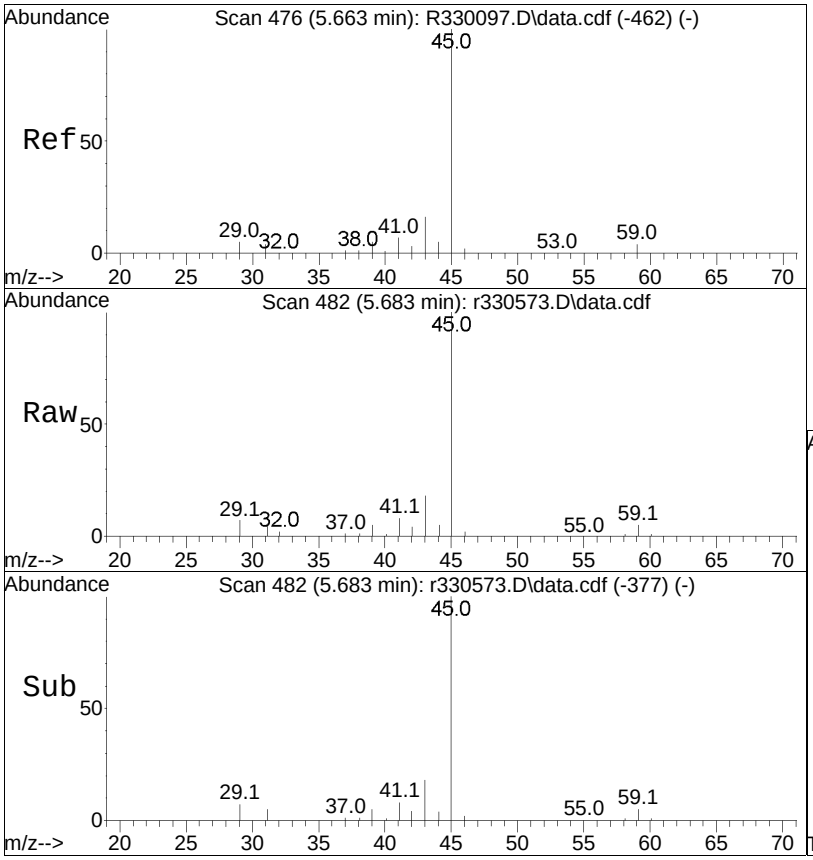


#21
trichlorofluoromethane
Concen: 0.25 ppbV
RT: 5.587 min Scan# 453
Delta R.T. 0.007 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion:101 Resp: 9562

Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.0	78.0

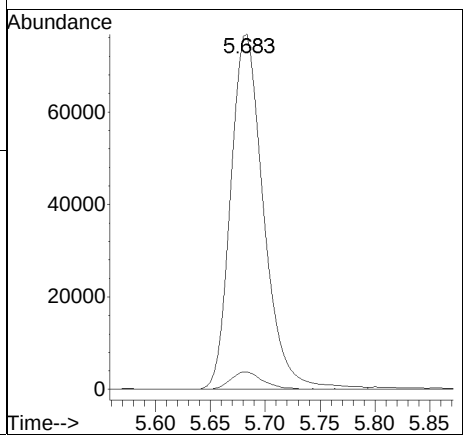


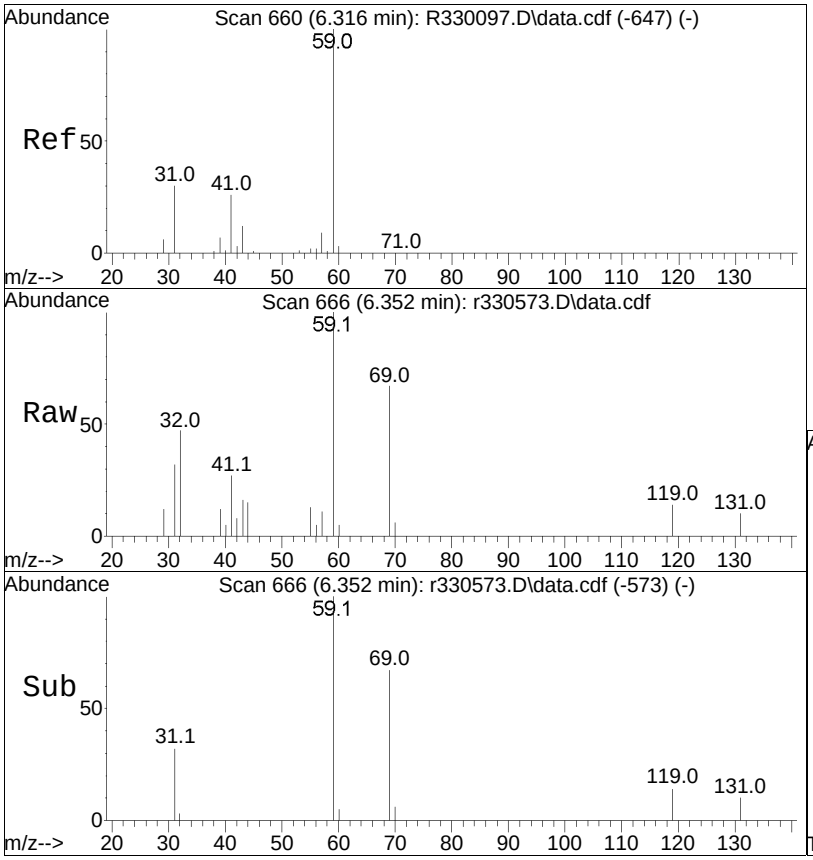


#22
isopropyl alcohol
Concen: 3.24 ppbV
RT: 5.683 min Scan# 482
Delta R.T. 0.020 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion: 45 Resp: 160788

Ion	Ratio	Lower	Upper
45	100		
59	4.9	3.0	4.4#

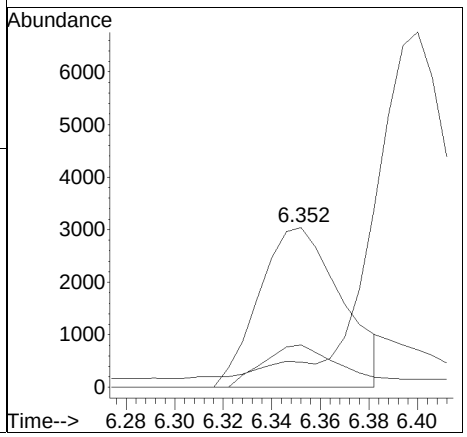


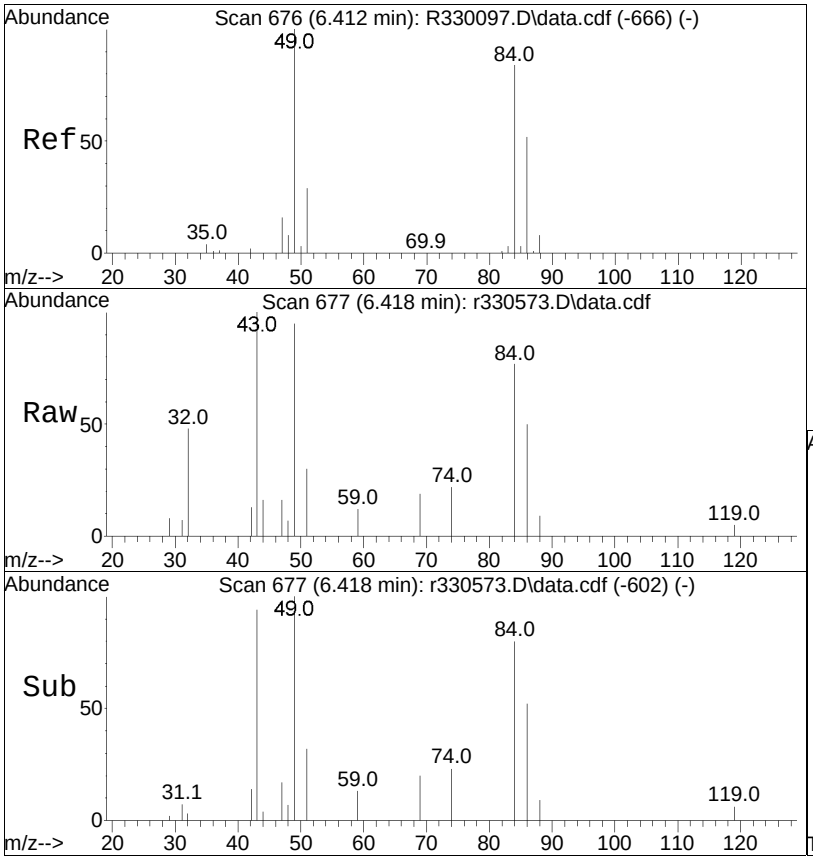


#27
tertiary butyl alcohol
Concen: 0.15 ppbV m
RT: 6.352 min Scan# 666
Delta R.T. 0.036 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion: 59 Resp: 7195

Ion	Ratio	Lower	Upper
59	100		
41	26.5	20.4	30.6
43	15.8	9.4	14.0#

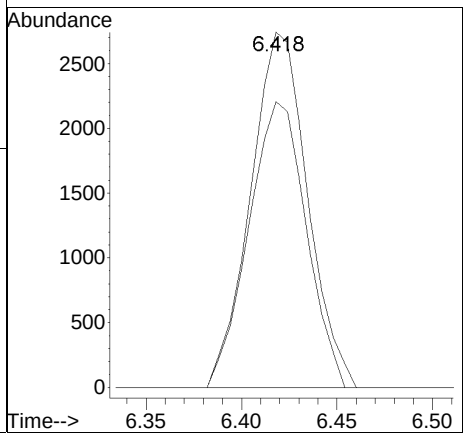


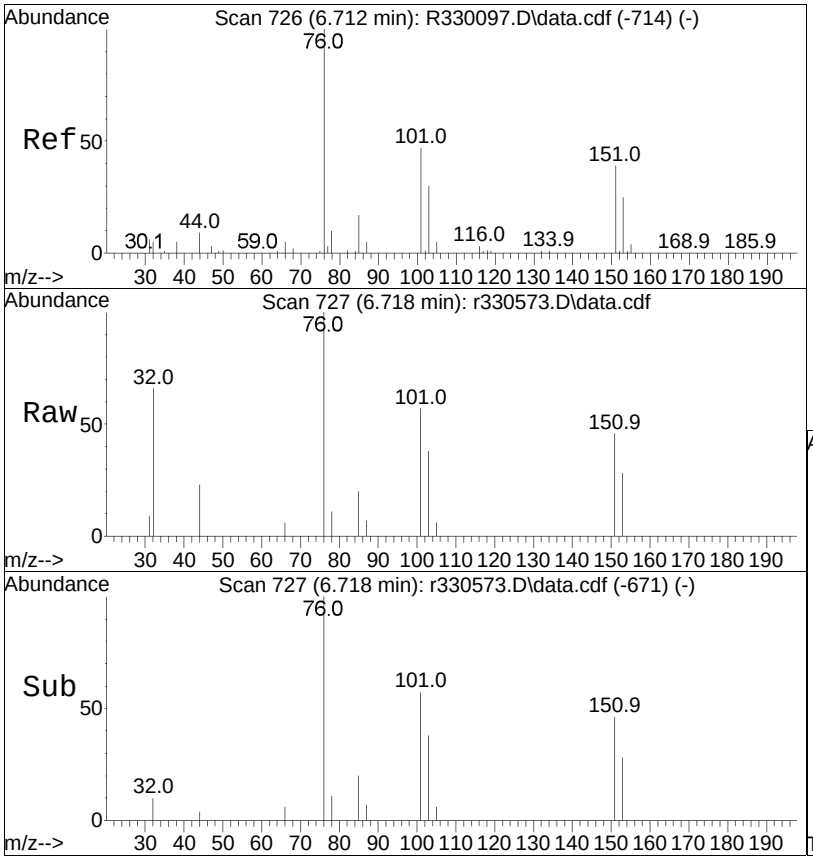


#28
methylene chloride
Concen: 0.21 ppbV
RT: 6.418 min Scan# 677
Delta R.T. 0.006 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion: 49 Resp: 5689

Ion	Ratio	Lower	Upper
49	100		
84	80.4	67.0	100.4

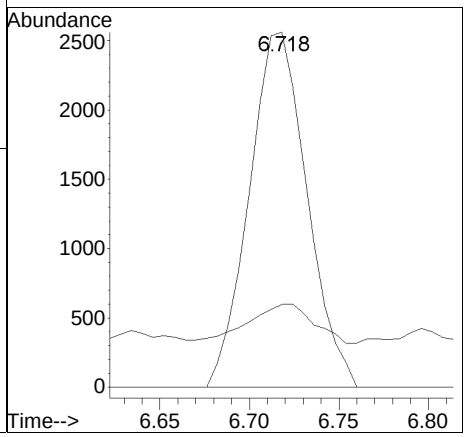


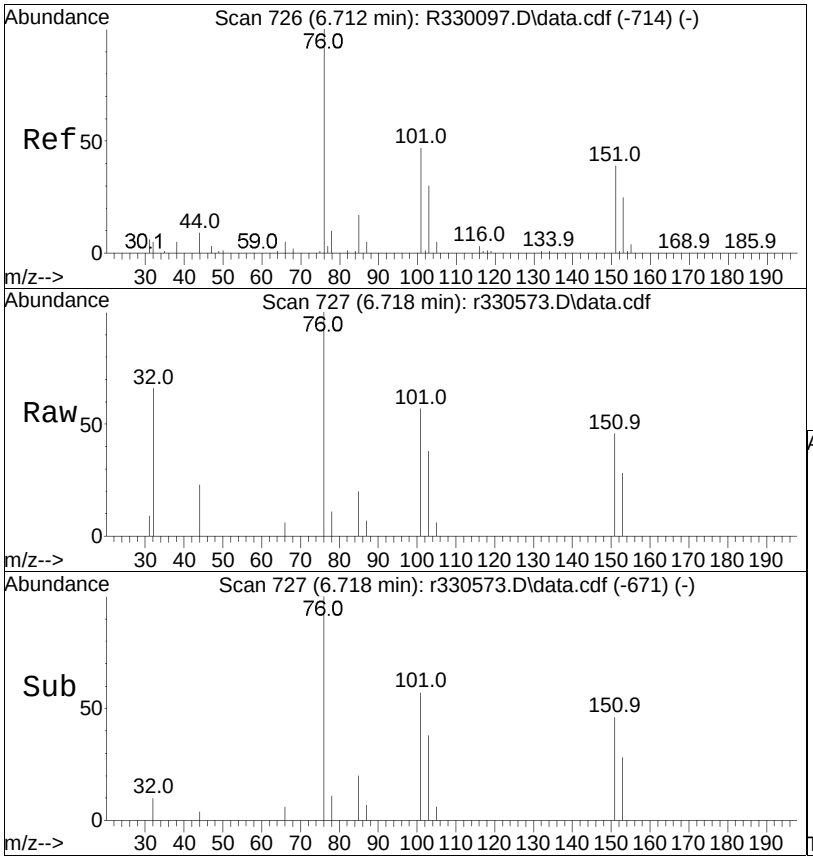


#30
carbon disulfide
Concen: 0.07 ppbV
RT: 6.718 min Scan# 727
Delta R.T. 0.006 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion: 76 Resp: 5750

Ion	Ratio	Lower	Upper
76	100		
44	23.4	7.1	10.7#

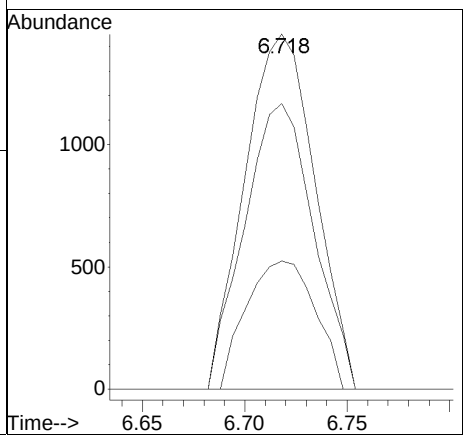


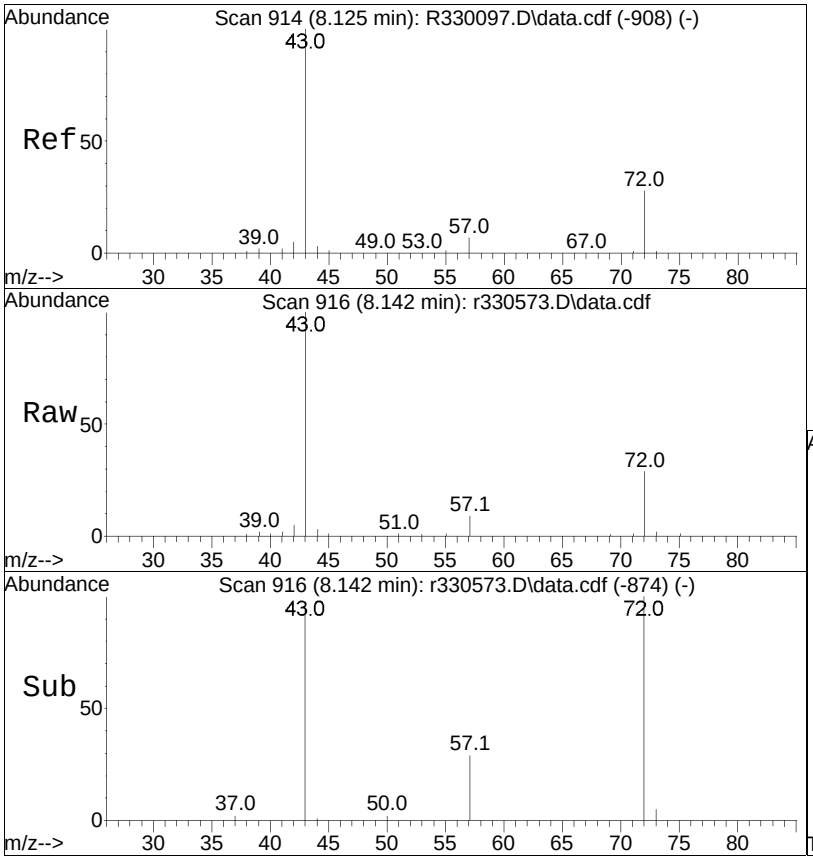


#31
Freon 113
Concen: 0.08 ppbV
RT: 6.718 min Scan# 727
Delta R.T. 0.006 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion:101 Resp: 3474

Ion	Ratio	Lower	Upper
101	100		
85	36.1	28.5	42.7
151	80.4	66.9	100.3

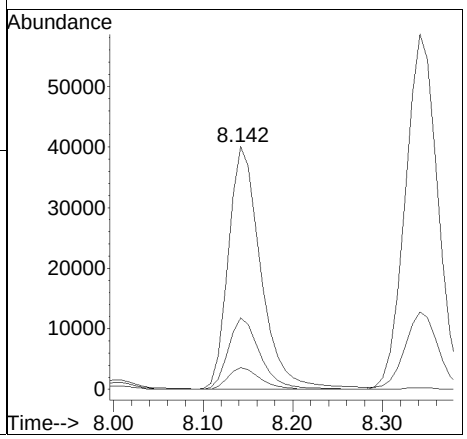


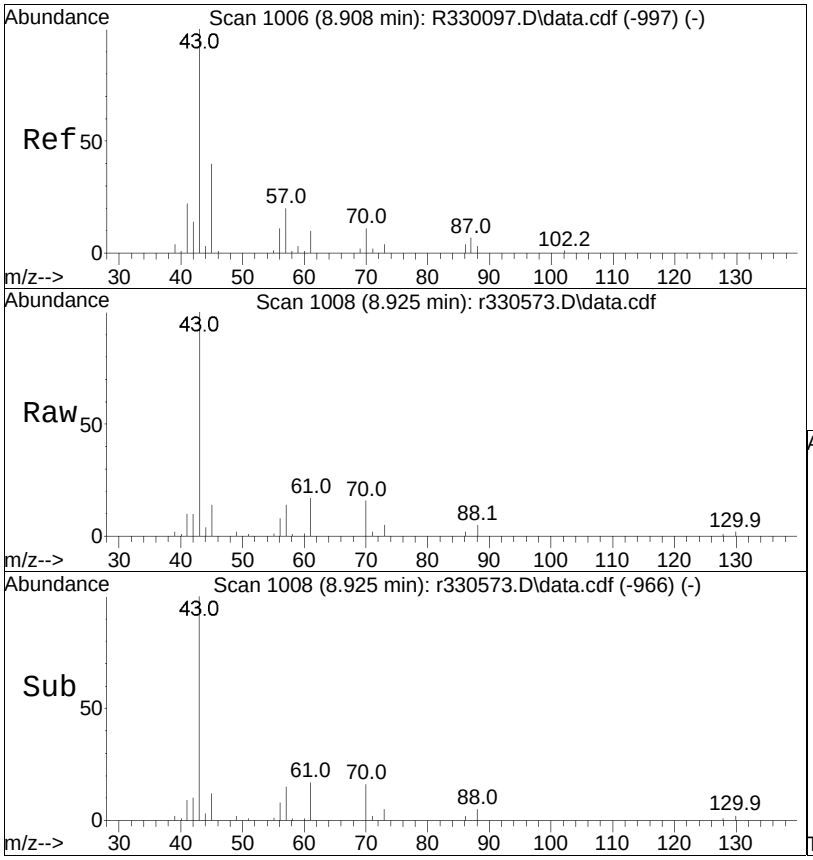


#36
2-butanone
Concen: 1.60 ppbV
RT: 8.142 min Scan# 916
Delta R.T. 0.017 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion: 43 Resp: 101553

Ion	Ratio	Lower	Upper
43	100		
72	29.4	22.1	33.1
57	9.0	5.3	7.9#

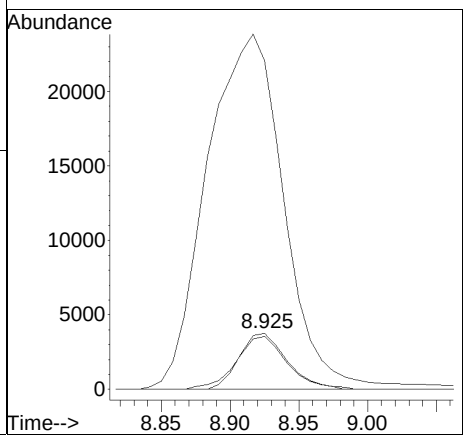


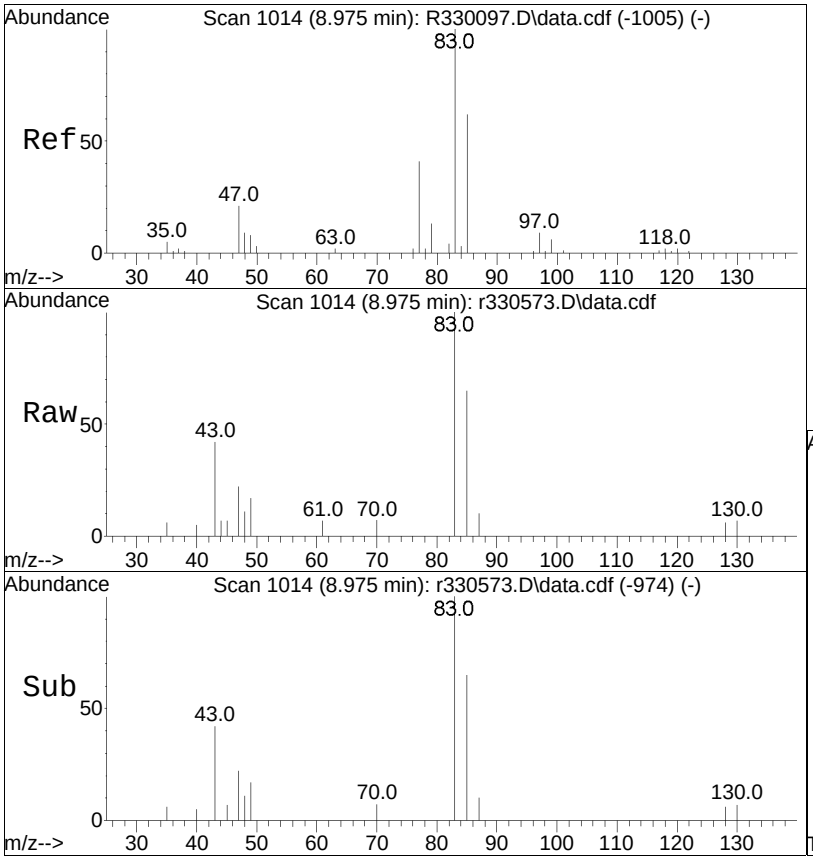


#38
Ethyl Acetate
Concen: 0.97 ppbV
RT: 8.925 min Scan# 1008
Delta R.T. 0.017 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion: 61 Resp: 9240

Ion	Ratio	Lower	Upper
61	100		
70	94.6	87.4	131.0
43	586.3	771.8	1157.6#

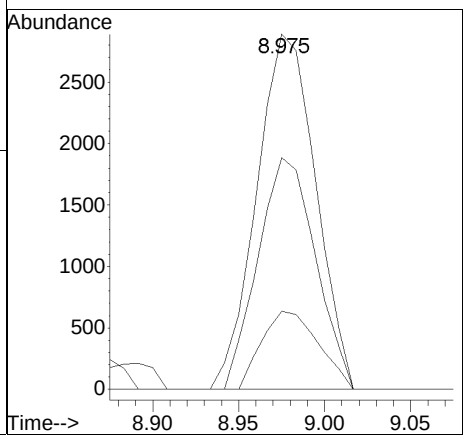


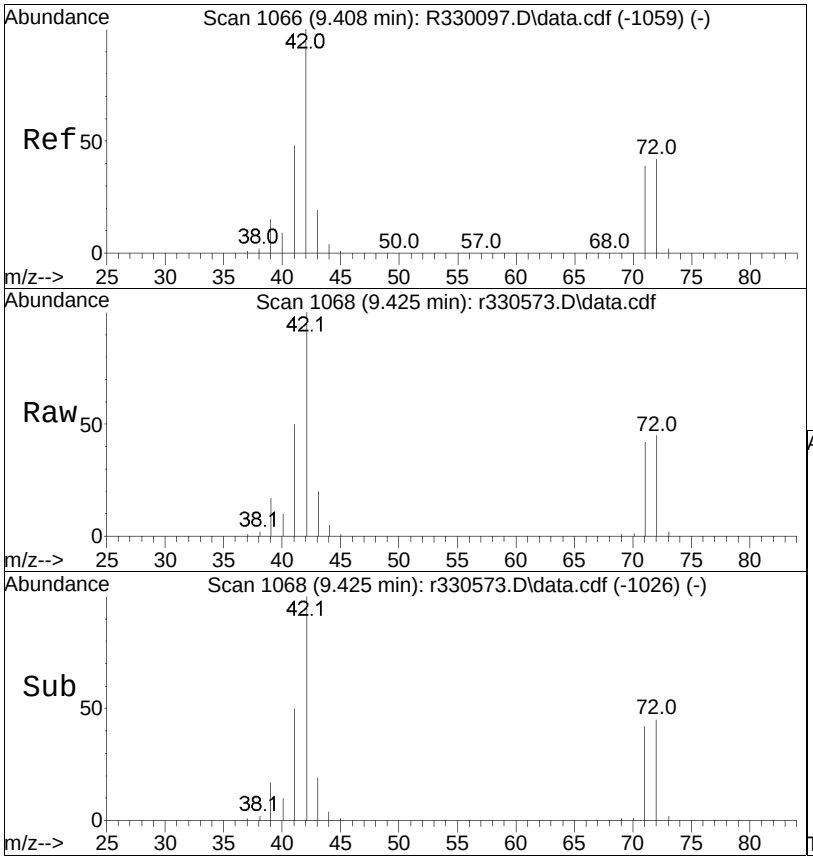


#39
chloroform
Concen: 0.16 ppbV
RT: 8.975 min Scan# 1014
Delta R.T. 0.000 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion: 83 Resp: 6911

Ion	Ratio	Lower	Upper
83	100		
85	65.2	49.8	74.8
47	22.0	16.8	25.2

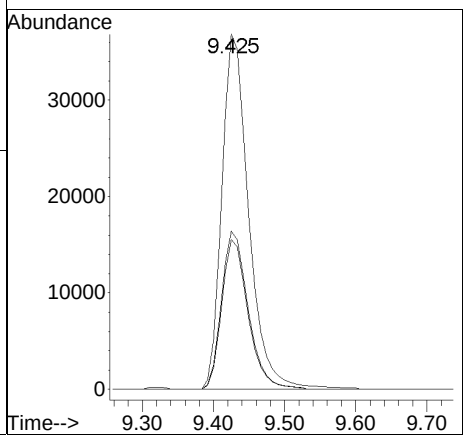


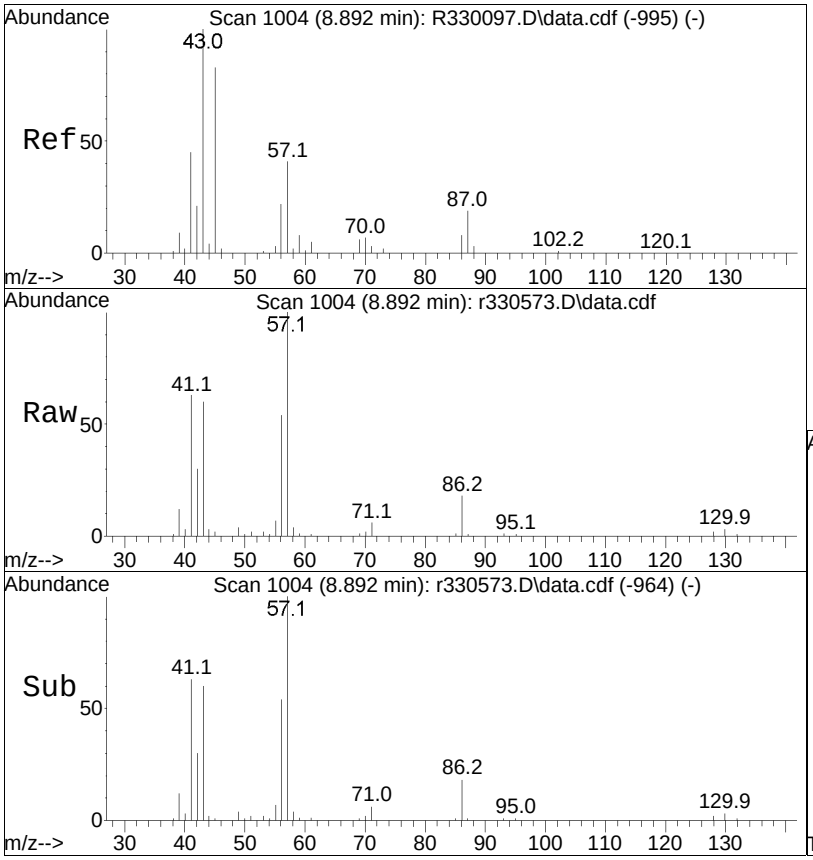


#40
Tetrahydrofuran
Concen: 2.36 ppbV
RT: 9.425 min Scan# 1068
Delta R.T. 0.017 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion: 42 Resp: 97101

Ion	Ratio	Lower	Upper
42	100		
71	42.2	31.0	46.4
72	44.5	33.4	50.2

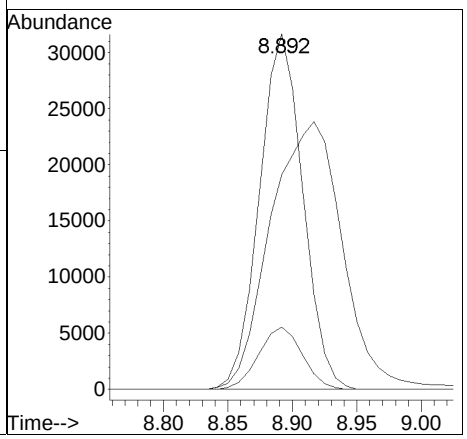


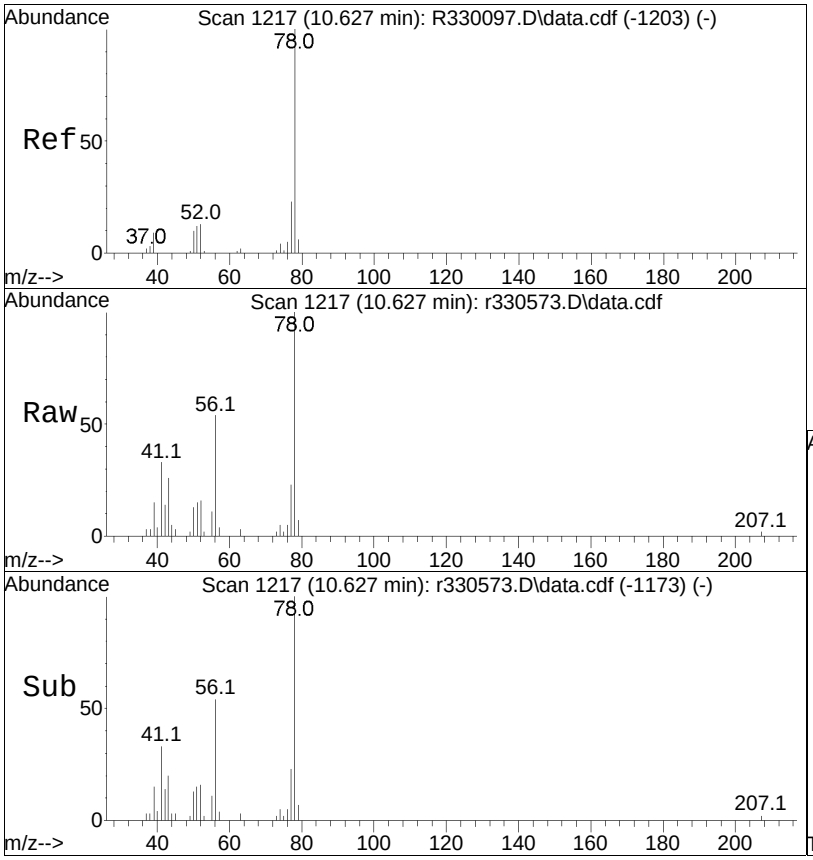


#44
hexane
Concen: 1.76 ppbV
RT: 8.892 min Scan# 1004
Delta R.T. 0.000 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion: 57 Resp: 74115

Ion	Ratio	Lower	Upper
57	100		
43	60.5	196.5	294.7#
86	17.6	15.8	23.6

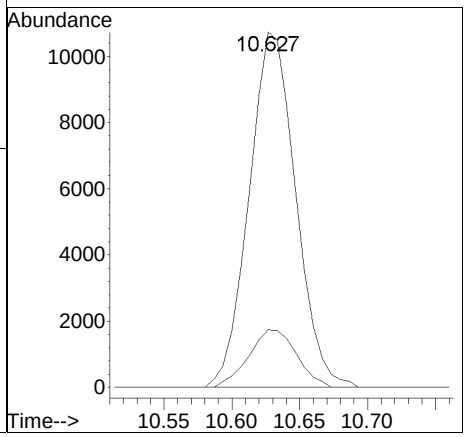


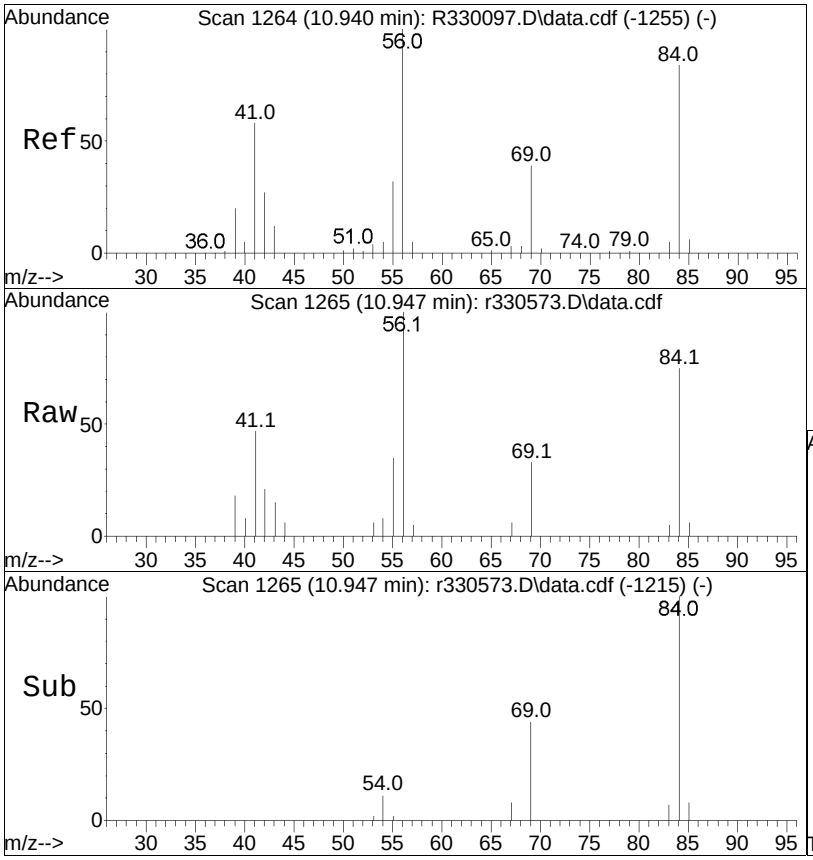


#50
benzene
Concen: 0.27 ppbV
RT: 10.627 min Scan# 1217
Delta R.T. 0.000 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion: 78 Resp: 25644

Ion	Ratio	Lower	Upper
78	100		
52	16.2	10.4	15.6#

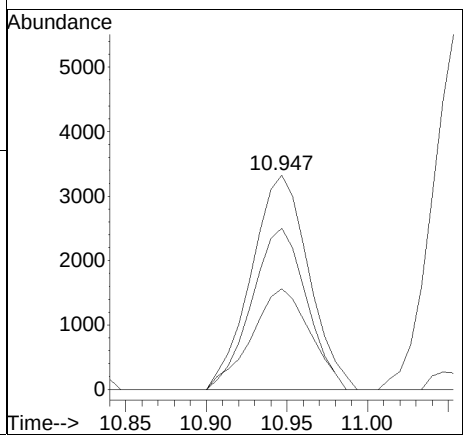


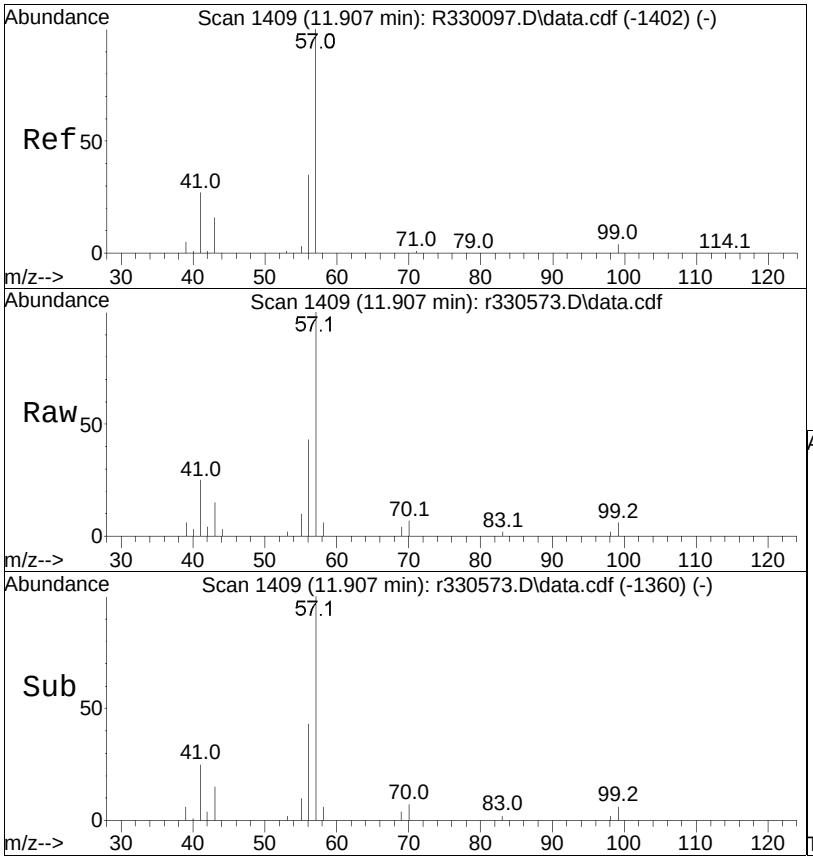


#53
cyclohexane
Concen: 0.18 ppbV
RT: 10.947 min Scan# 1265
Delta R.T. 0.007 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion: 56 Resp: 8239

Ion	Ratio	Lower	Upper
56	100		
84	75.2	67.4	101.2
41	47.0	46.4	69.6

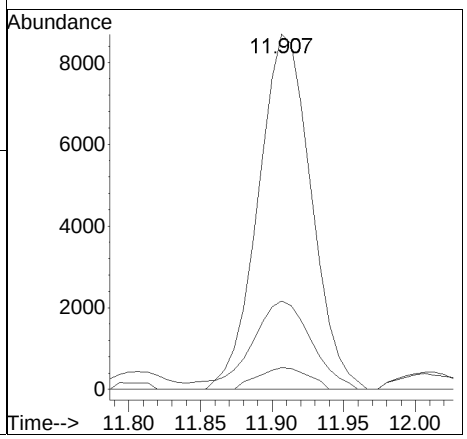


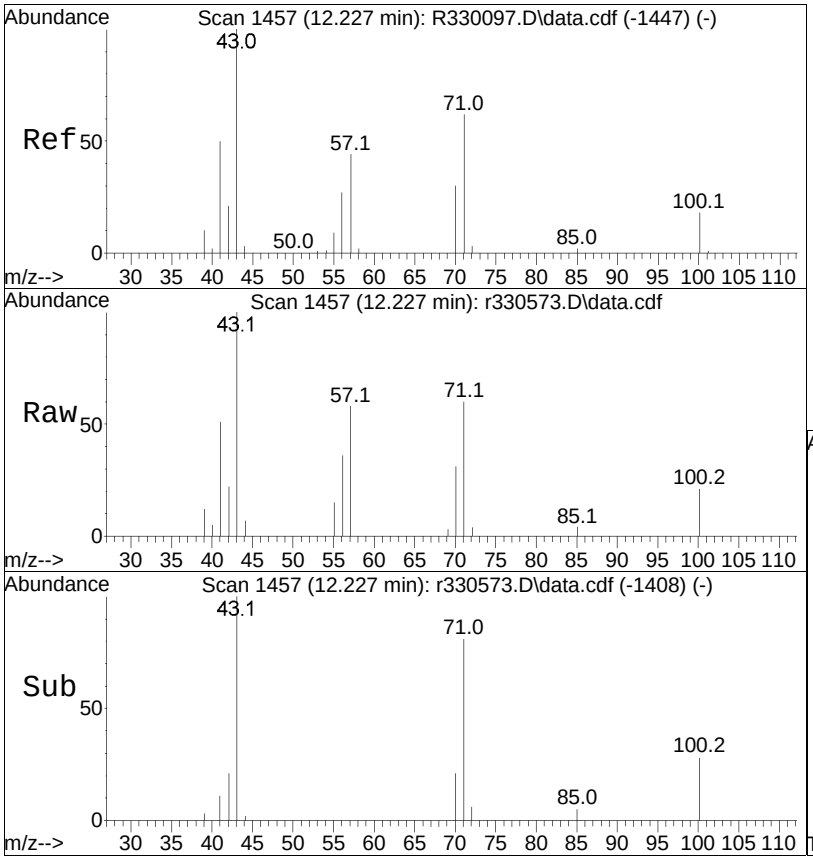


#60
2,2,4-trimethylpentane
Concen: 0.16 ppbV
RT: 11.907 min Scan# 1409
Delta R.T. 0.000 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion: 57 Resp: 22336

Ion	Ratio	Lower	Upper
57	100		
99	6.1	5.3	7.9
41	24.9	21.4	32.0

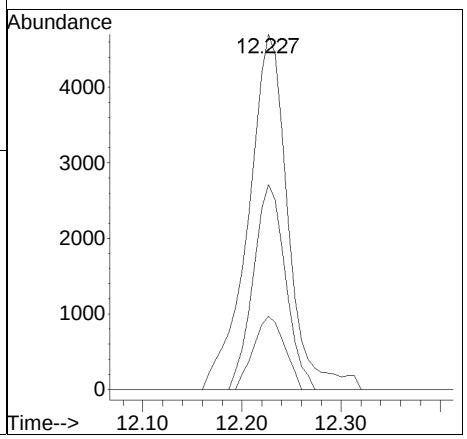


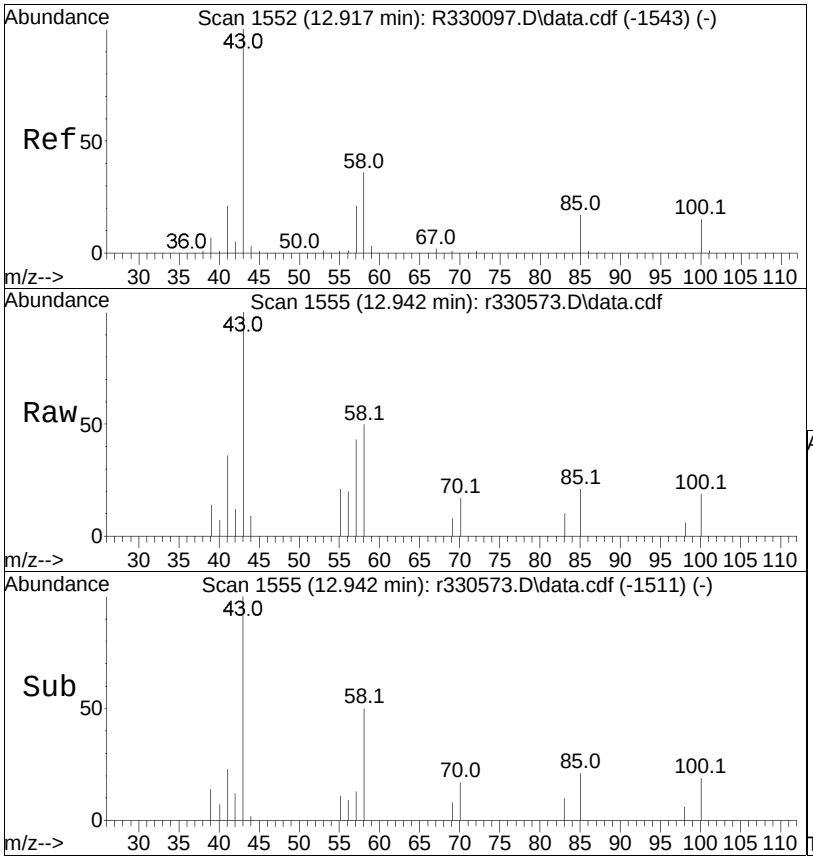


#62
heptane
Concen: 0.21 ppbV
RT: 12.227 min Scan# 1457
Delta R.T. 0.000 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion: 43 Resp: 13126

Ion	Ratio	Lower	Upper
43	100		
57	57.7	34.9	52.3#
100	20.6	14.9	22.3

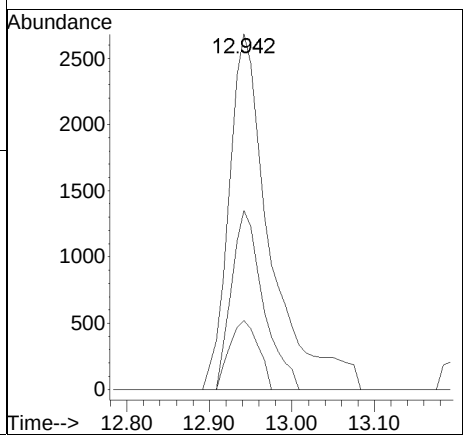


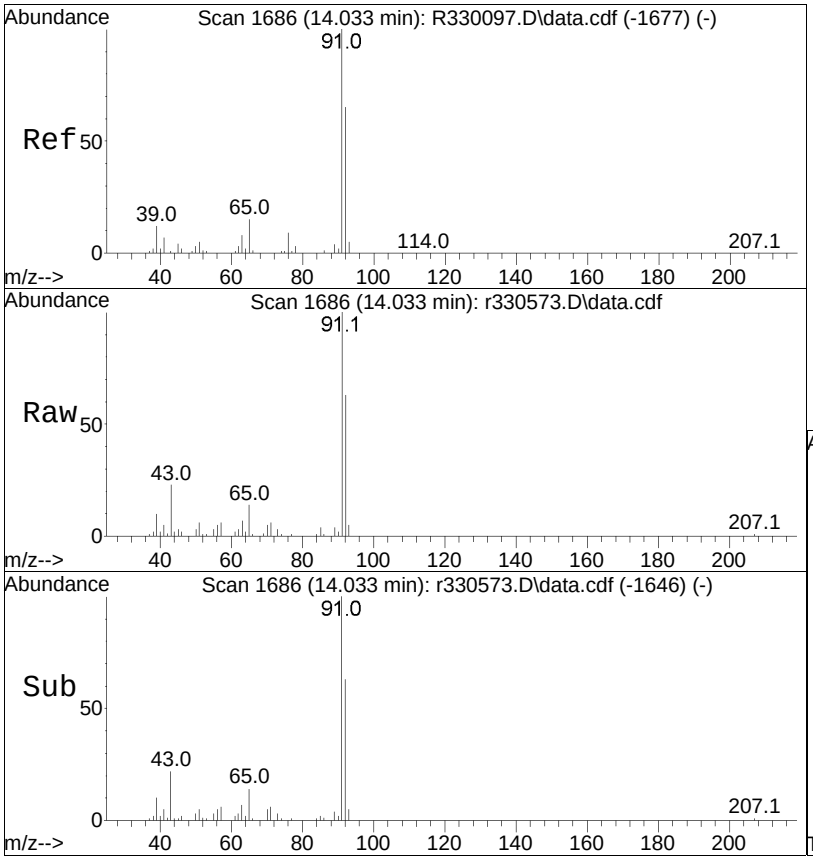


#64
4-methyl-2-pentanone
Concen: 0.13 ppbV
RT: 12.942 min Scan# 1555
Delta R.T. 0.025 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion: 43 Resp: 9362

Ion	Ratio	Lower	Upper
43	100		
58	50.4	29.1	43.7#
100	19.4	12.2	18.4#

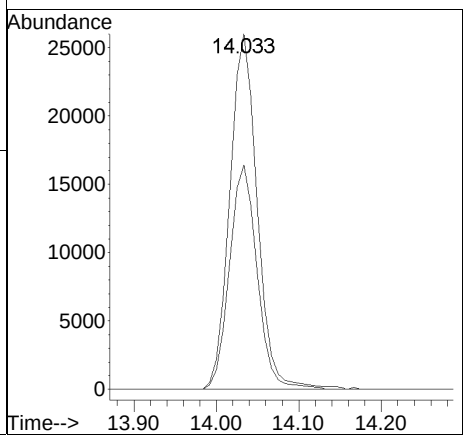


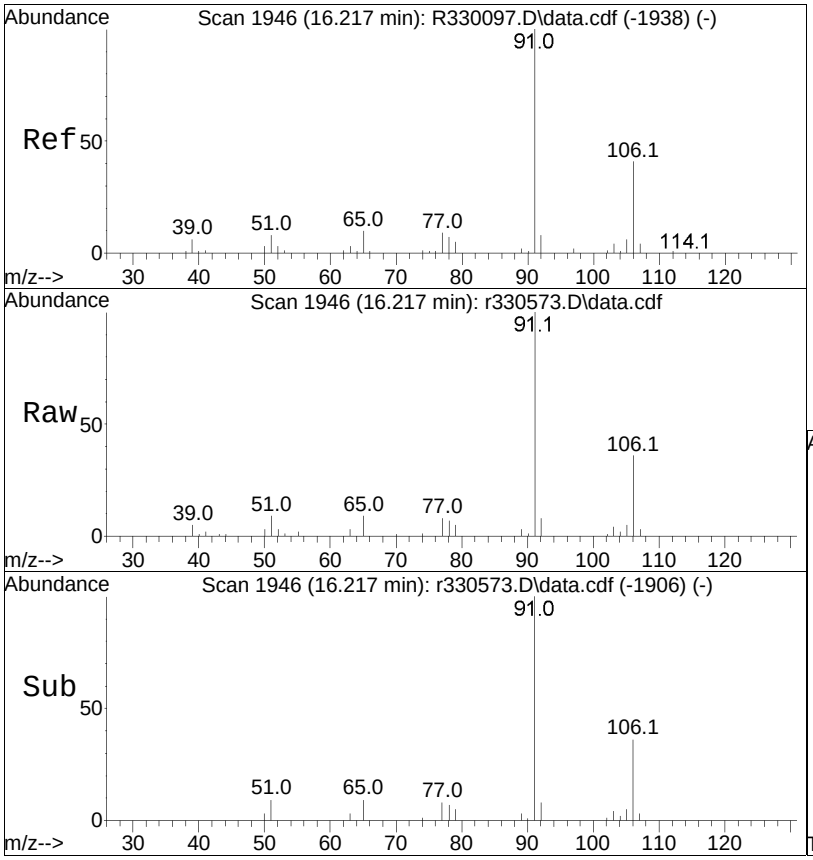


#68
toluene
Concen: 0.49 ppbV
RT: 14.033 min Scan# 1686
Delta R.T. 0.000 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion: 91 Resp: 60318

Ion	Ratio	Lower	Upper
91	100		
92	63.1	52.1	78.1

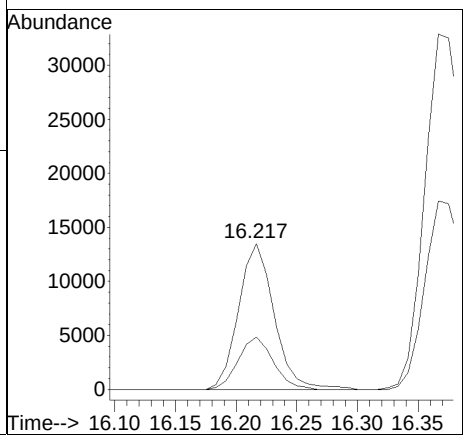


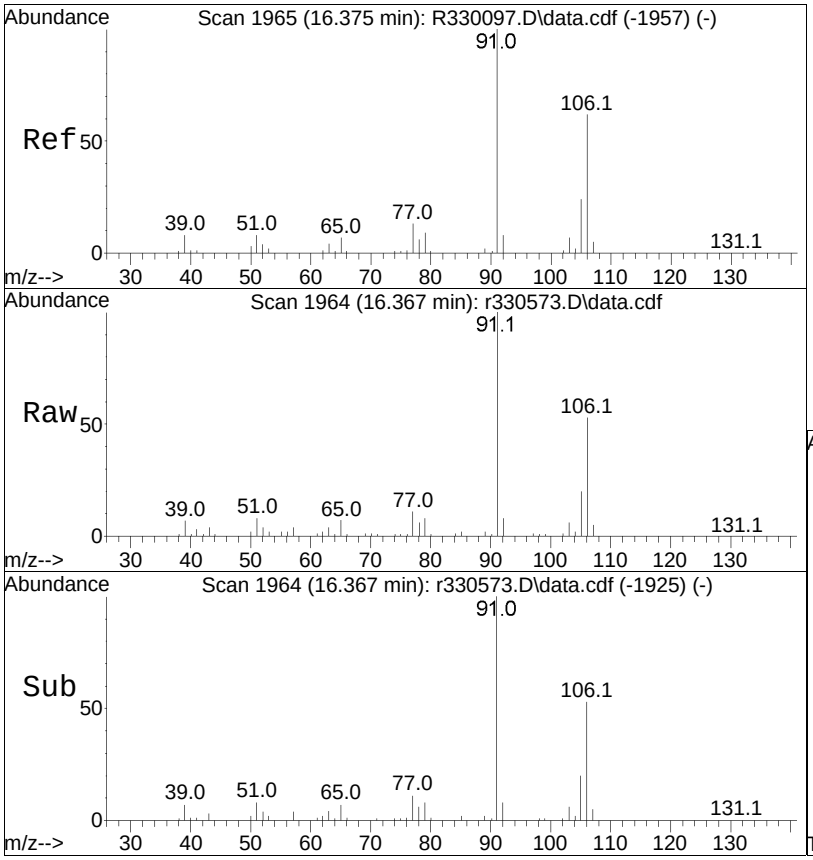


#81
ethylbenzene
Concen: 0.18 ppbV
RT: 16.217 min Scan# 1946
Delta R.T. -0.000 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion: 91 Resp: 27565

Ion	Ratio	Lower	Upper
91	100		
106	35.9	32.6	49.0

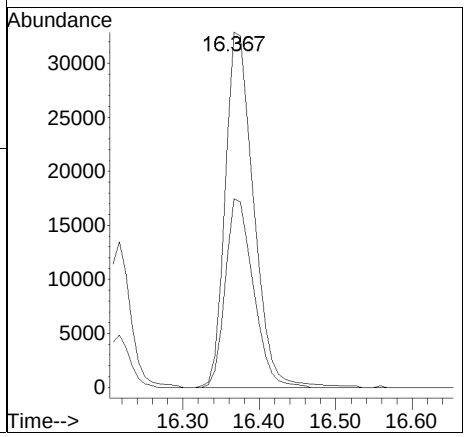


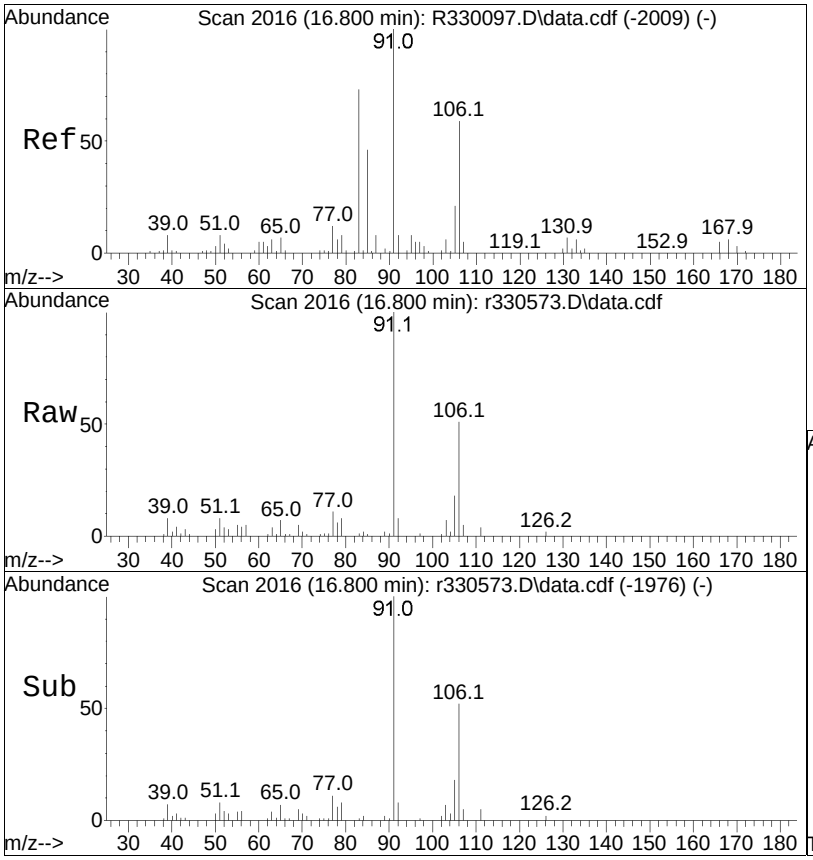


#83
m+p-xylene
Concen: 0.69 ppbV
RT: 16.367 min Scan# 1964
Delta R.T. -0.008 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion: 91 Resp: 84938

Ion	Ratio	Lower	Upper
91	100		
106	53.1	49.2	73.8

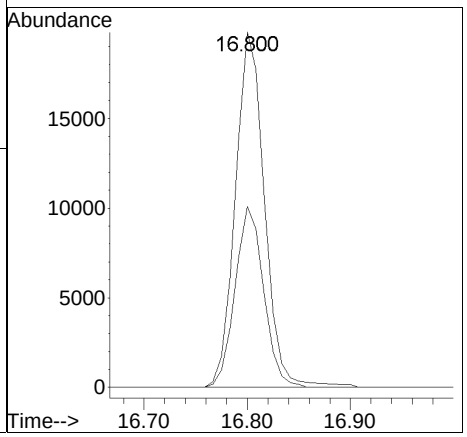


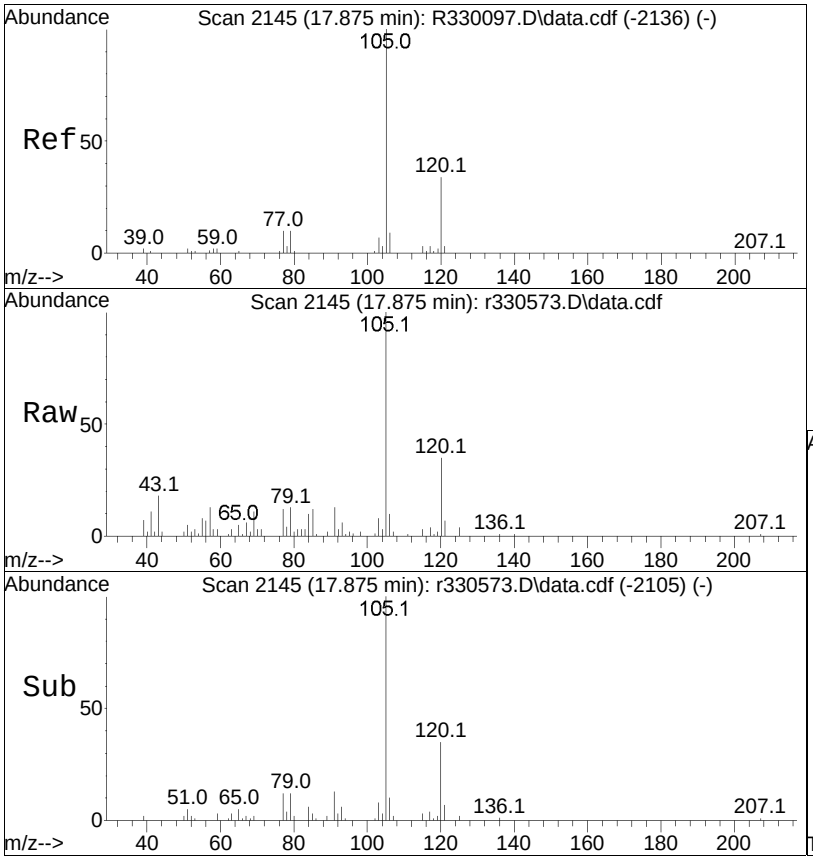


#87
o-xylene
Concen: 0.32 ppbV
RT: 16.800 min Scan# 2016
Delta R.T. 0.000 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion: 91 Resp: 38843

Ion	Ratio	Lower	Upper
91	100		
106	50.9	47.5	71.3

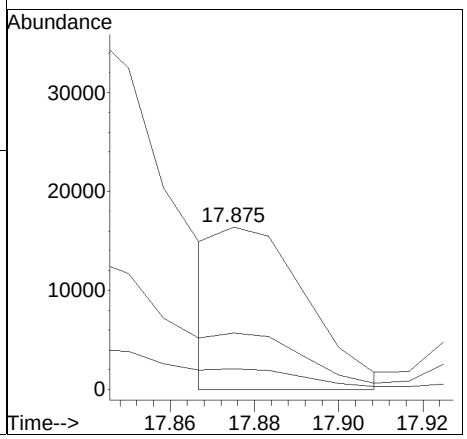


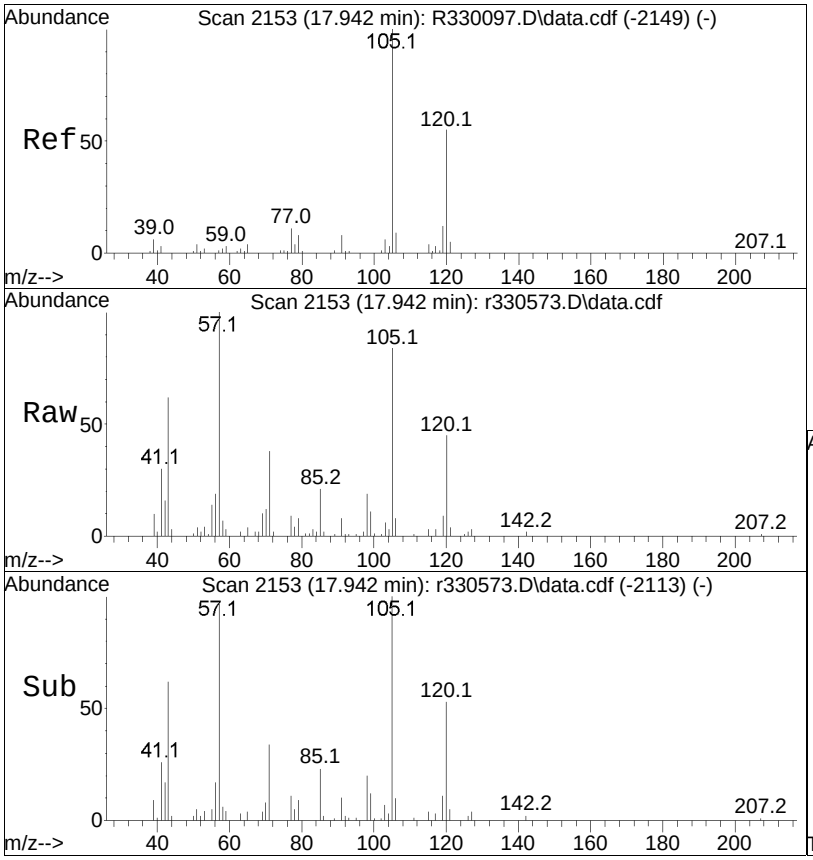


#96
4-ethyl toluene
Concen: 0.13 ppbV m
RT: 17.875 min Scan# 2145
Delta R.T. 0.000 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion:105 Resp: 23824

Ion	Ratio	Lower	Upper
105	100		
120	34.7	27.2	40.8
91	12.7	7.1	10.7#

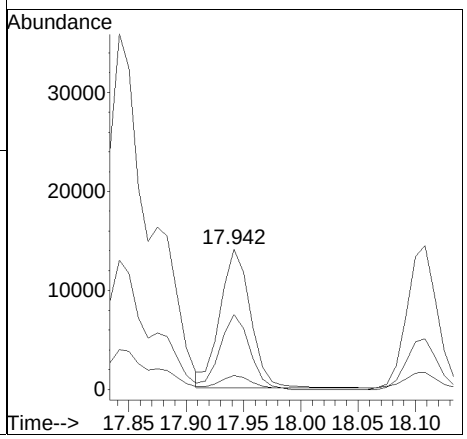


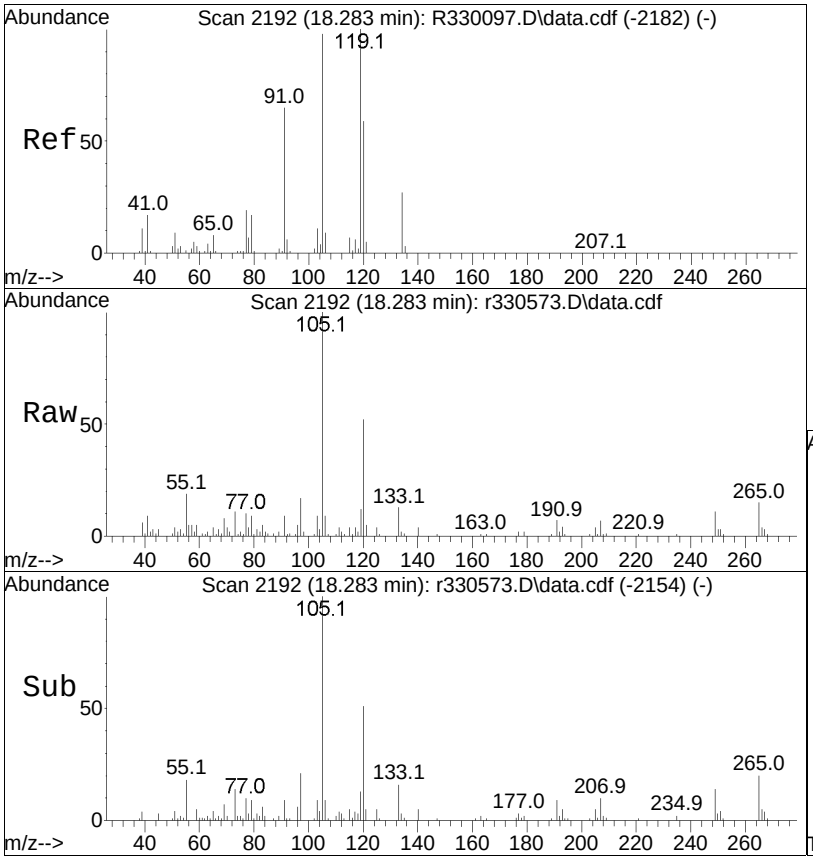


#97
1,3,5-trimethylbenzene
Concen: 0.16 ppbV
RT: 17.942 min Scan# 2153
Delta R.T. 0.000 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion:105 Resp: 25882

Ion	Ratio	Lower	Upper
105	100		
120	53.5	43.1	64.7
91	9.9	6.8	10.2

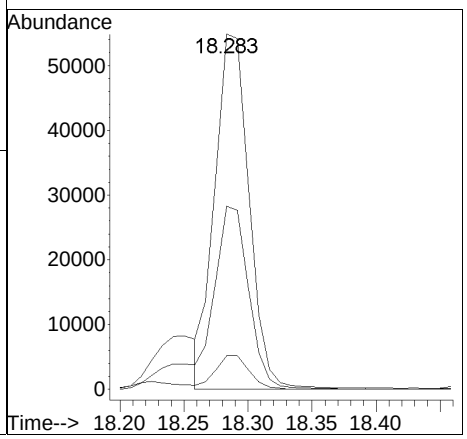


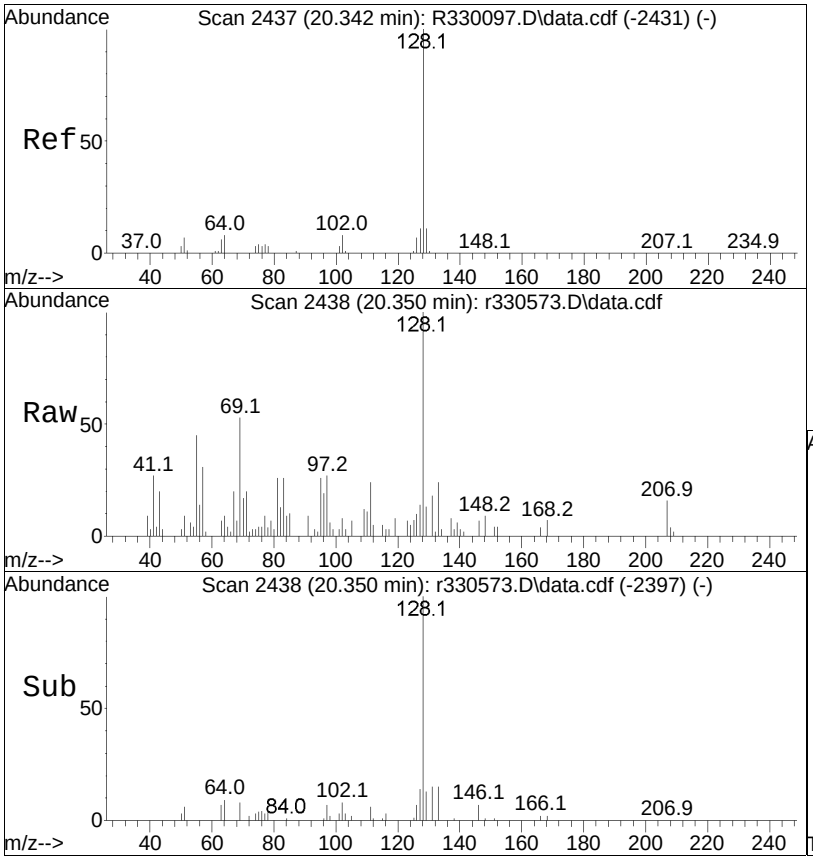


#99
1,2,4-trimethylbenzene
Concen: 0.68 ppbV m
RT: 18.283 min Scan# 2192
Delta R.T. 0.000 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion:105 Resp: 103214

Ion	Ratio	Lower	Upper
105	100		
120	51.5	47.8	71.8
91	9.5	53.4	80.0#

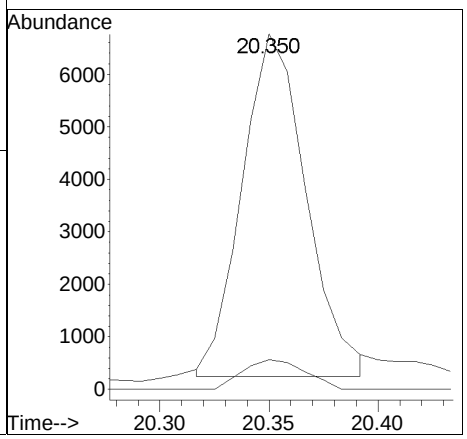




#116
naphthalene
Concen: 0.07 ppbV m
RT: 20.350 min Scan# 2438
Delta R.T. 0.008 min
Lab File: r330573.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion:128 Resp: 13330

Ion	Ratio	Lower	Upper
128	100		
102	8.4	6.3	9.5

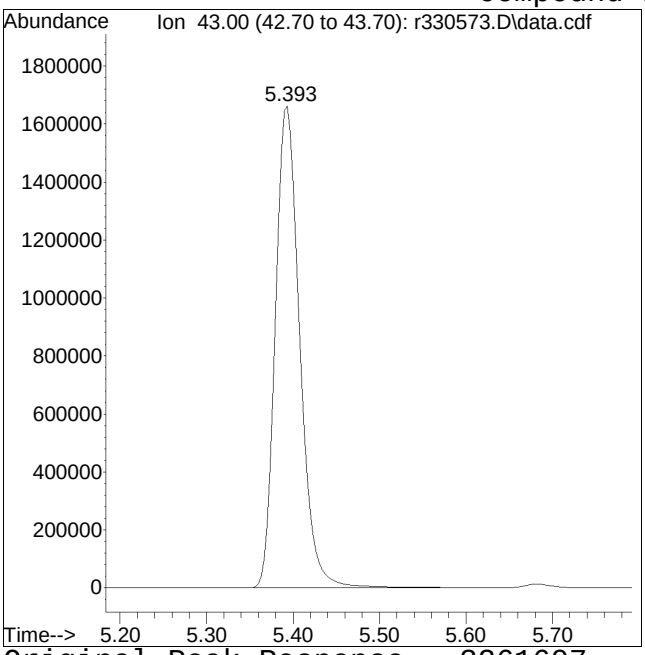


Manual Integration Report

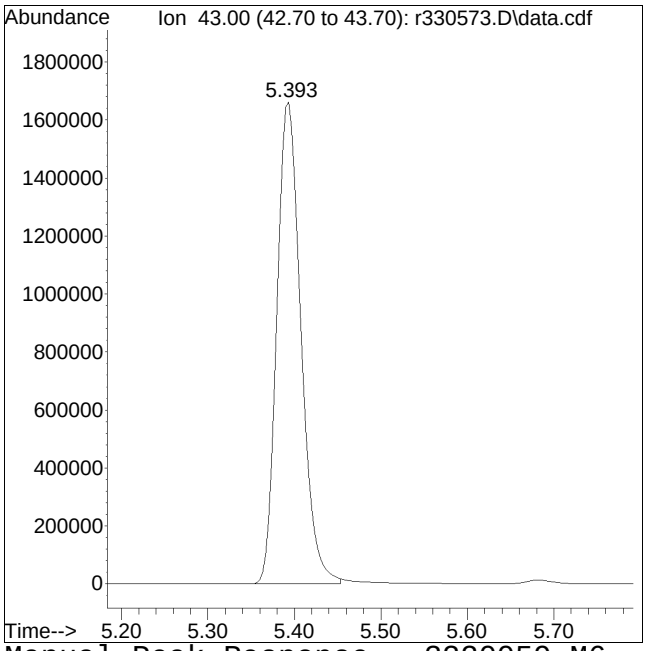
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330573.D
Date Inj'd : 4/24/2020 0:2: 0
Sample : L2419731-06,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:12 am

Compound #19: acetone



Original Peak Response = 3261607



Manual Peak Response = 3220059 M6

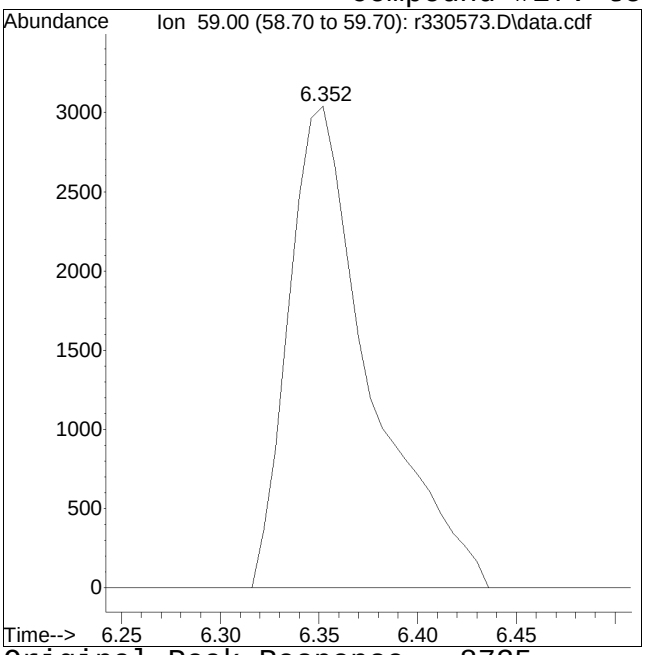
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

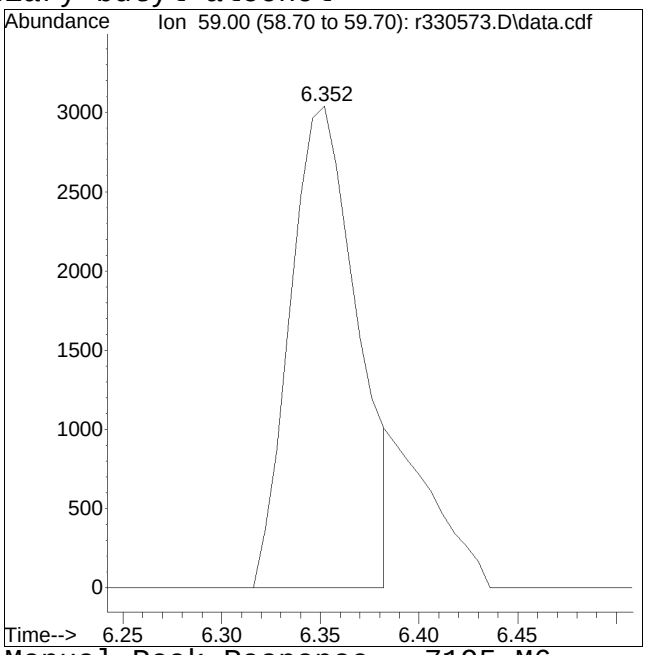
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330573.D
Date Inj'd : 4/24/2020 0:2: 0
Sample : L2419731-06,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:12 am

Compound #27: tertiary butyl alcohol



Original Peak Response = 8735



Manual Peak Response = 7195 M6

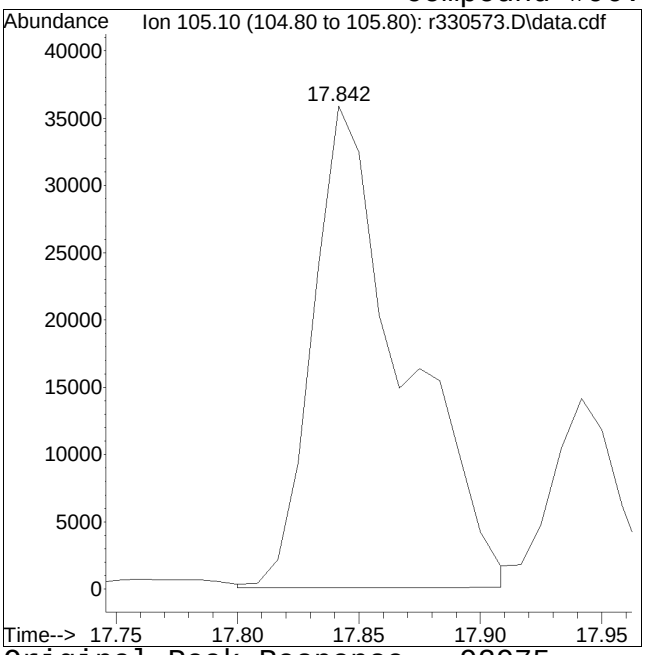
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

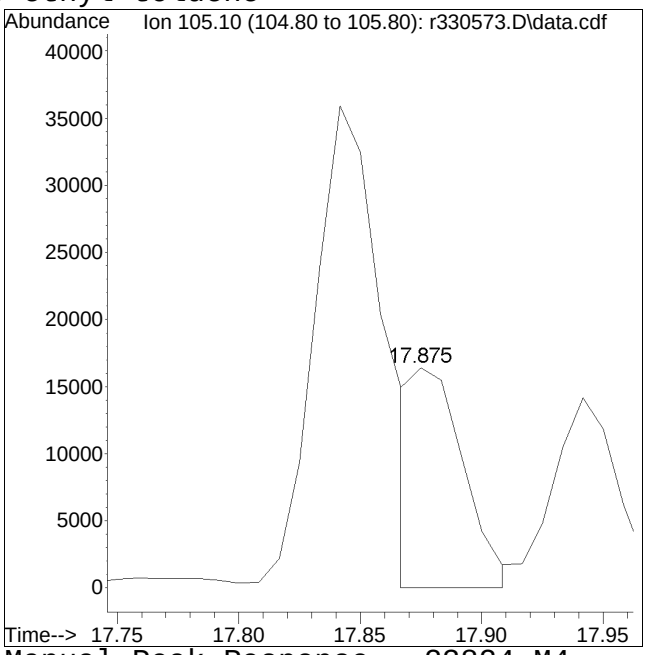
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330573.D
Date Inj'd : 4/24/2020 0:2: 0
Sample : L2419731-06,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:12 am

Compound #96: 4-ethyl toluene



Original Peak Response = 92975



Manual Peak Response = 23824 M4

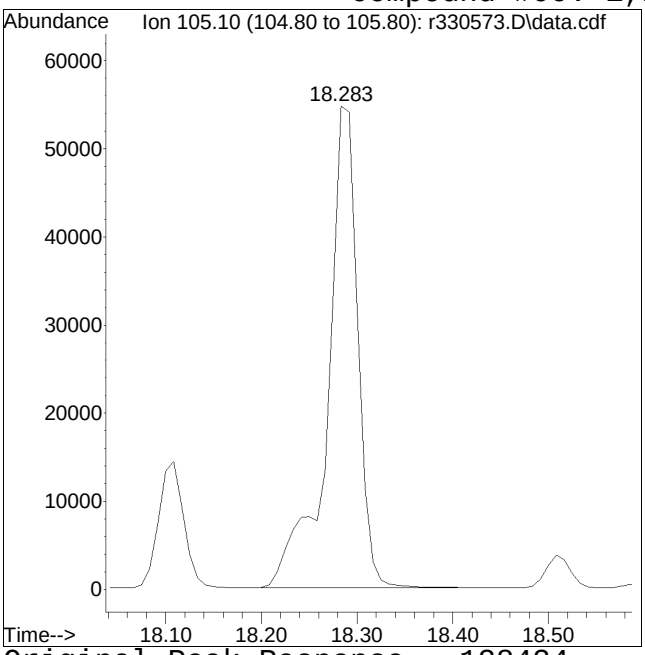
M4 = Poor automated baseline construction.

Manual Integration Report

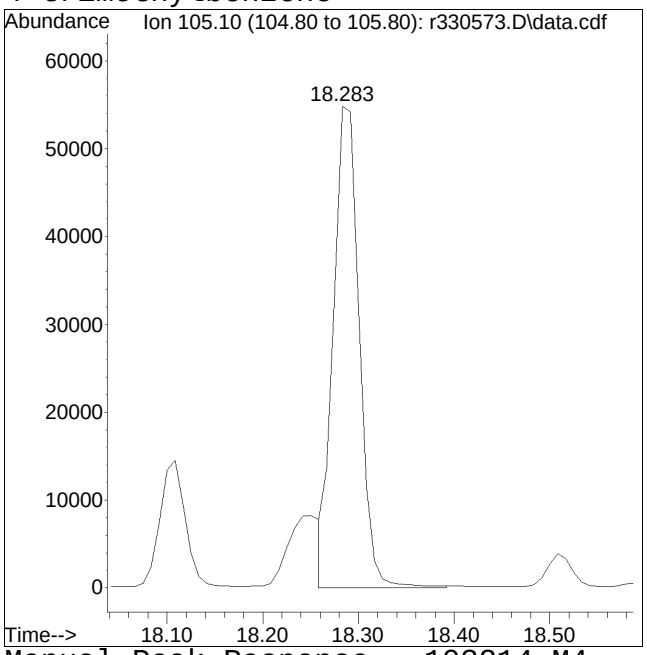
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330573.D
Date Inj'd : 4/24/2020 0:2: 0
Sample : L2419731-06,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:12 am

Compound #99: 1,2,4-trimethylbenzene



Original Peak Response = 128424



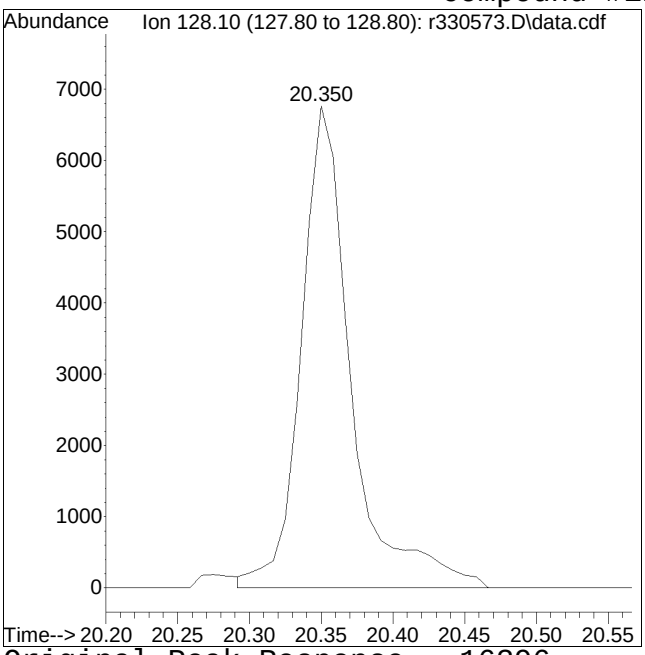
Manual Peak Response = 103214 M4

M4 = Poor automated baseline construction.

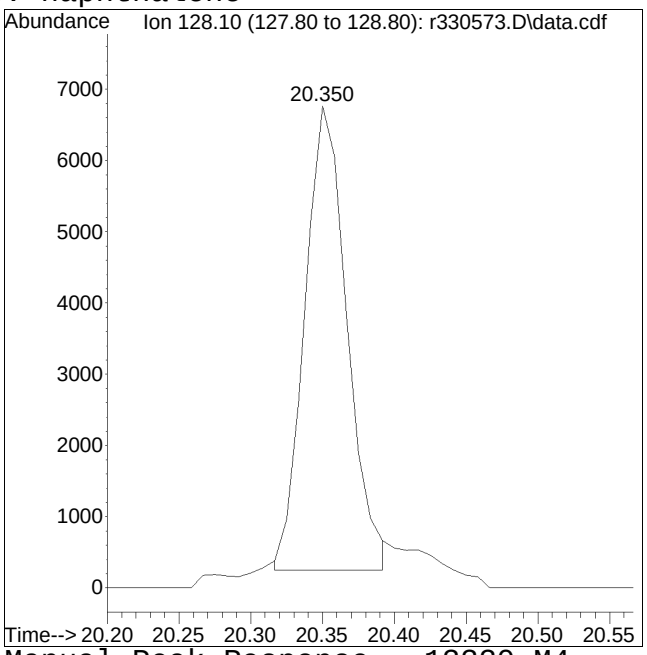
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : r330573.D Operator : AIRPIANO3:JMB
Date Inj'd : 4/24/2020 0:2: 0 Instrument :
Sample : L2419731-06,3,250,250 Quant Date : 4/24/2024 7:12 am

Compound #116: naphthalene



Original Peak Response = 16396



Manual Peak Response = 13330 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330602.D
Acq On : 25 Apr 2024 2:31 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-09D,3,3.44,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:36:20 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.800	49	357223	10.000	ppbV	-0.02
Standard Area = 349686			Recovery = 102.16%			
43) 1,4-difluorobenzene	11.033	114	1230332	10.000	ppbV	-0.02
Standard Area = 1160525			Recovery = 106.02%			
67) chlorobenzene-D5	15.800	54	166594	10.000	ppbV	-0.02
Standard Area = 168249			Recovery = 99.02%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	0.000		0	N.D.	d	
6) chloromethane	0.000		0	N.D.	d	
7) Freon-114	0.000		0	N.D.		
9) vinyl chloride	4.164		0	N.D.		
10) 1,3-butadiene	0.000		0	N.D.		
13) bromomethane	0.000		0	N.D.		
14) chloroethane	4.746	64	2748	0.246	ppbV	97
15) ethanol	4.890	31	5701	0.467	ppbV	86
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.397	43	76325M6	1.963	ppbV	
21) trichlorofluoromethane	0.000		0	N.D.	d	
22) isopropyl alcohol	5.687	45	5569	0.107	ppbV #	89
26) 1,1-dichloroethene	6.256	61	55024	1.527	ppbV	99
27) tertiary butyl alcohol	0.000		0	N.D.	d	
28) methylene chloride	6.400	49	3368	0.118	ppbV	100
29) 3-chloropropene	0.000		0	N.D.		
30) carbon disulfide	6.694		0	N.D.		
31) Freon 113	6.694	101	59258	1.267	ppbV	98
32) trans-1,2-dichloroethene	0.000		0	N.D.		
33) 1,1-dichloroethane	7.667	63	414788	8.021	ppbV	99
34) MTBE	0.000		0	N.D.		
36) 2-butanone	8.167	43	3960	0.060	ppbV #	93
37) cis-1,2-dichloroethene	8.617	61	10521	0.287	ppbV	96
38) Ethyl Acetate	0.000		0	N.D.		
39) chloroform	8.950	83	4476	0.102	ppbV	98
40) Tetrahydrofuran	9.458	42	1682M1	0.039	ppbV	
42) 1,2-dichloroethane	0.000		0	N.D.		
44) hexane	8.867	57	6340	0.137	ppbV #	1

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330602.D
Acq On : 25 Apr 2024 2:31 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-09D,3,3.44,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:36:20 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : TO15-NY+Naphthalene - .

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48)	1,1,1-trichloroethane	10.075	97	1828230	49.357	ppbV		97
50)	benzene	10.607		0	N.D.			
52)	carbon tetrachloride	0.000		0	N.D.			
53)	cyclohexane	10.920	56	8358	0.171	ppbV	#	90
56)	1,2-dichloropropane	0.000		0	N.D.			
57)	bromodichloromethane	0.000		0	N.D.	d		
58)	1,4-dioxane	0.000		0	N.D.			
59)	trichloroethene	11.840	130	14921	0.411	ppbV		96
60)	2,2,4-trimethylpentane	0.000		0	N.D.	d		
62)	heptane	12.207	43	3362	0.050	ppbV	#	78
63)	cis-1,3-dichloropropene	0.000		0	N.D.			
64)	4-methyl-2-pentanone	12.958		0	N.D.			
65)	trans-1,3-dichloropropene	0.000		0	N.D.			
66)	1,1,2-trichloroethane	0.000		0	N.D.			
68)	toluene	14.017		0	N.D.			
72)	2-hexanone	0.000		0	N.D.	d		
74)	dibromochloromethane	0.000		0	N.D.			
75)	1,2-dibromoethane	0.000		0	N.D.			
78)	tetrachloroethene	15.192	166	70536	1.322	ppbV		96
80)	chlorobenzene	0.000		0	N.D.			
81)	ethylbenzene	16.208		0	N.D.			
83)	m+p-xylene	16.367	91	4573	0.038	ppbV		85
84)	bromoform	0.000		0	N.D.			
85)	styrene	0.000		0	N.D.			
86)	1,1,2,2-tetrachloroethane	0.000		0	N.D.			
87)	o-xylene	16.792		0	N.D.			
96)	4-ethyl toluene	17.875		0	N.D.			
97)	1,3,5-trimethylbenzene	17.933		0	N.D.			
99)	1,2,4-trimethylbenzene	18.283	105	5872	0.040	ppbV	#	57
101)	Benzyl Chloride	0.000		0	N.D.	d		
102)	1,3-dichlorobenzene	0.000		0	N.D.			
103)	1,4-dichlorobenzene	0.000		0	N.D.			
107)	1,2-dichlorobenzene	0.000		0	N.D.			
115)	1,2,4-trichlorobenzene	0.000		0	N.D.			
116)	naphthalene	20.367		0	N.D.			
119)	hexachlorobutadiene	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330602.D
Acq On : 25 Apr 2024 2:31 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-09D,3,3.44,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:36:20 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

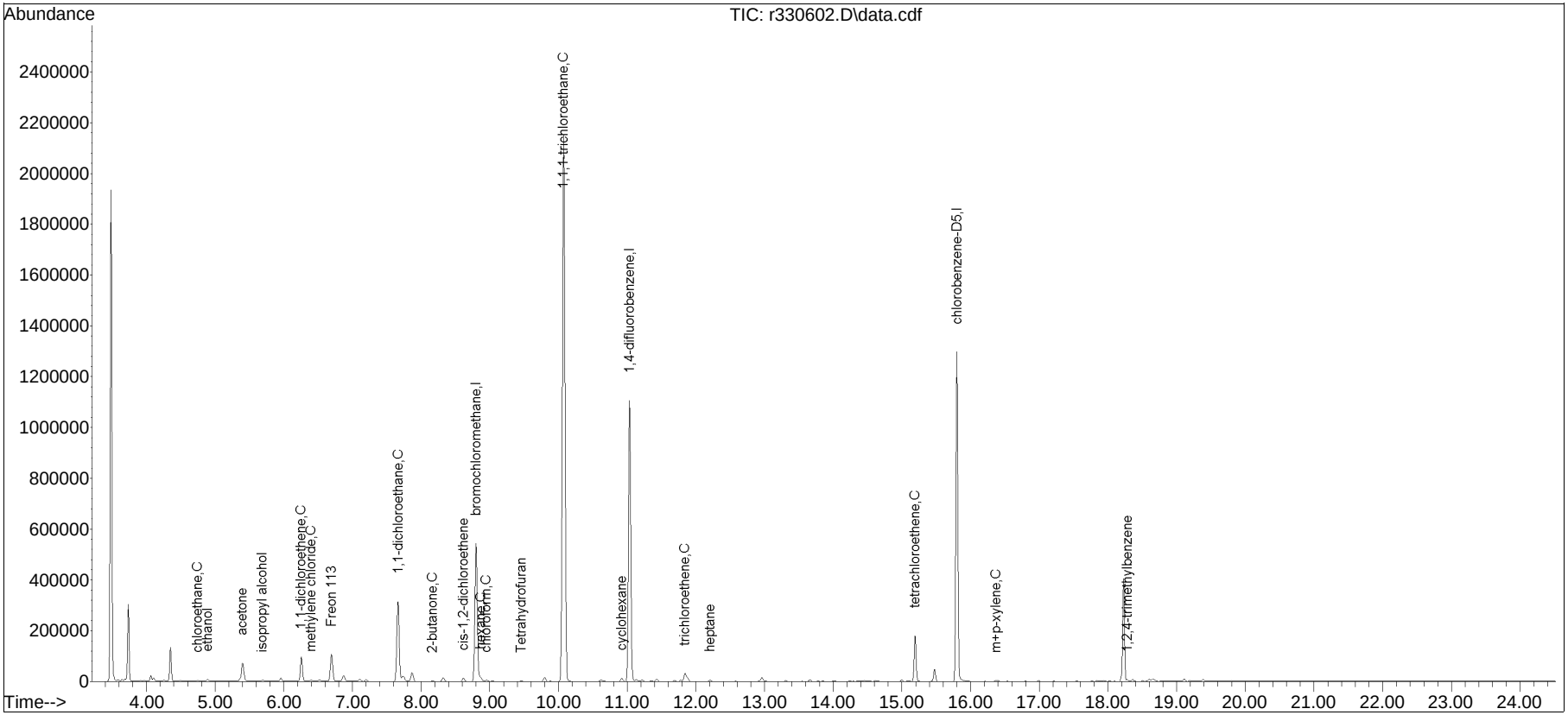
CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

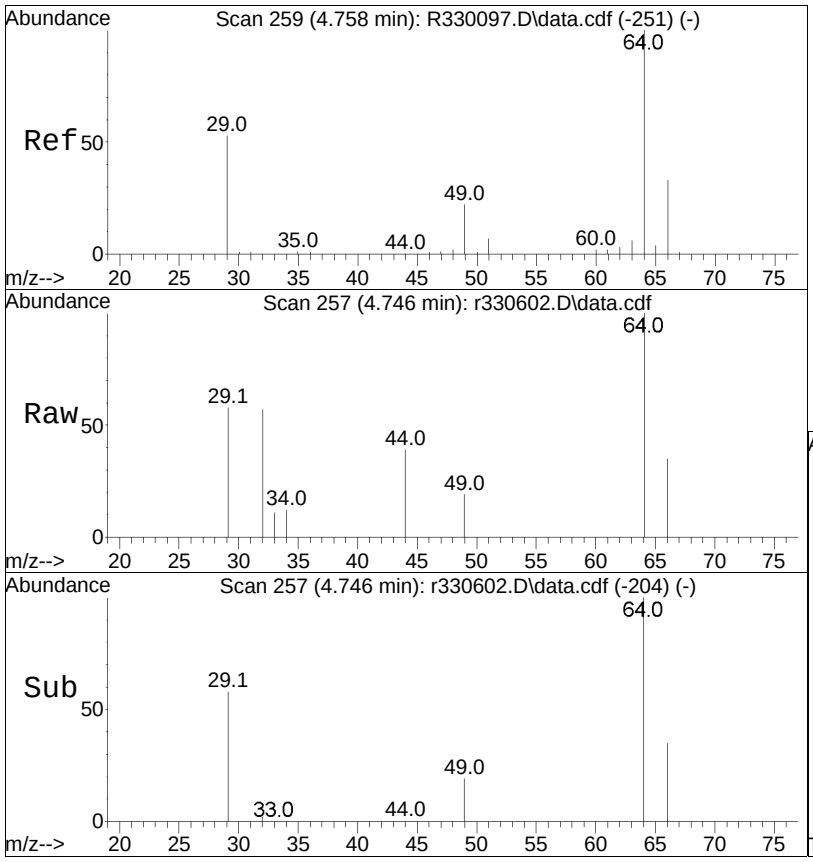
Sub List : TO15-NY+Naphthalene - .ano3\2024\04\0424T\r330584.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330602.D
Acq On : 25 Apr 2024 2:31 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-09D,3,3.44,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:36:20 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration



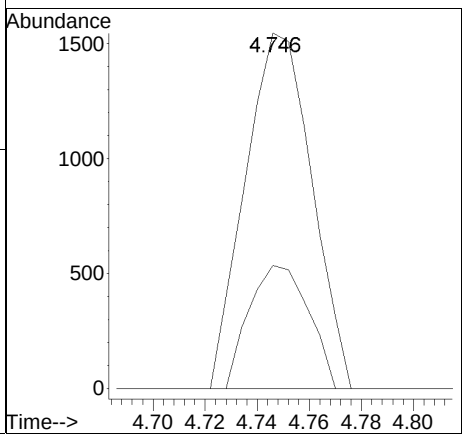
TFS3_240401.M Thu Apr 25 15:25:17 2024 Page: 3

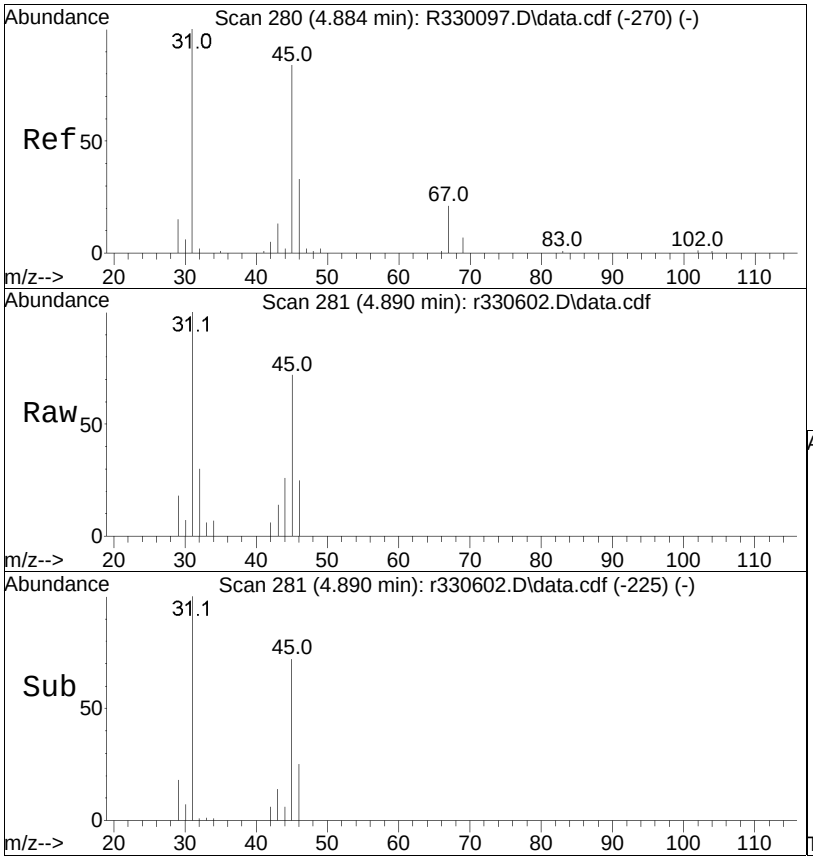


#14
chloroethane
Concen: 0.25 ppbV
RT: 4.746 min Scan# 257
Delta R.T. -0.012 min
Lab File: r330602.D
Acq: 25 Apr 2024 2:31 AM

Tgt Ion: 64 Resp: 2748

Ion	Ratio	Lower	Upper
64	100		
66	34.6	26.2	39.2

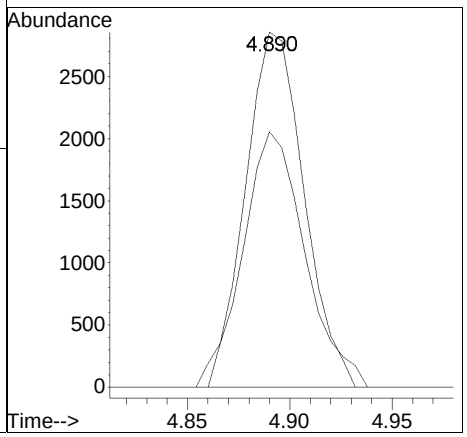


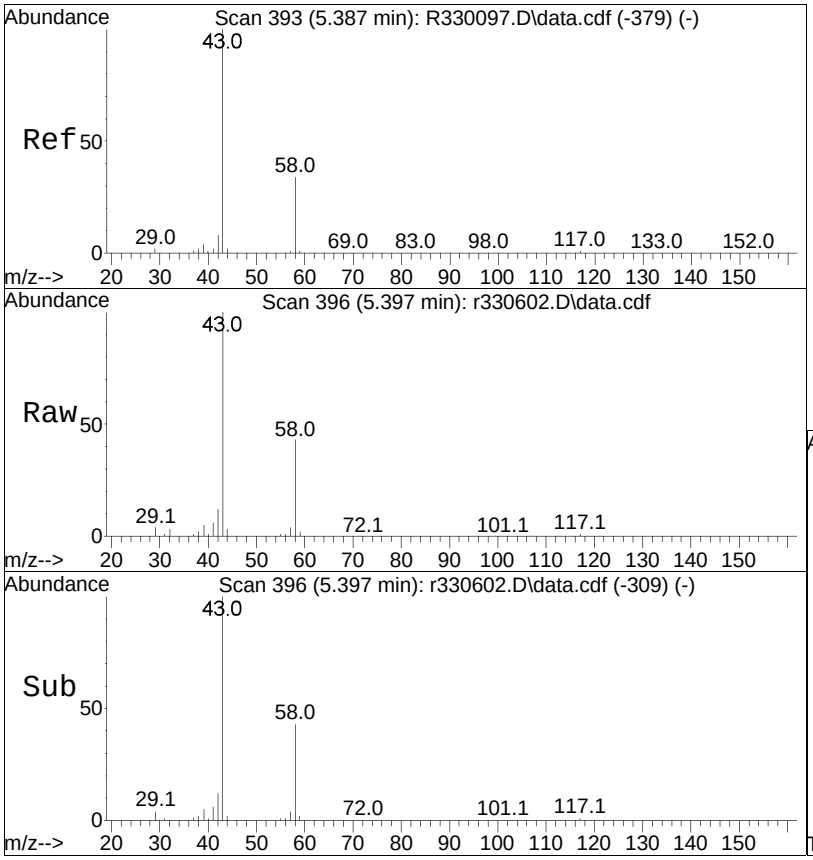


#15
ethanol
Concen: 0.47 ppbV
RT: 4.890 min Scan# 281
Delta R.T. 0.006 min
Lab File: r330602.D
Acq: 25 Apr 2024 2:31 AM

Tgt Ion: 31 Resp: 5701

Ion	Ratio	Lower	Upper
31	100		
45	71.9	67.5	101.3

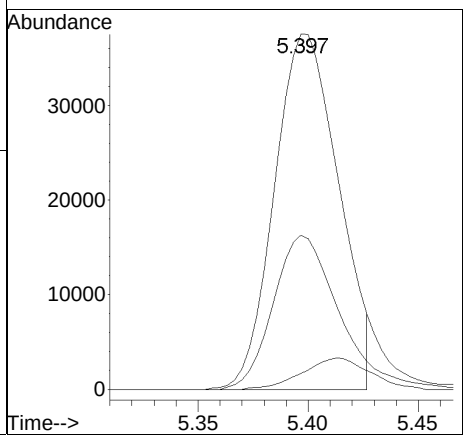


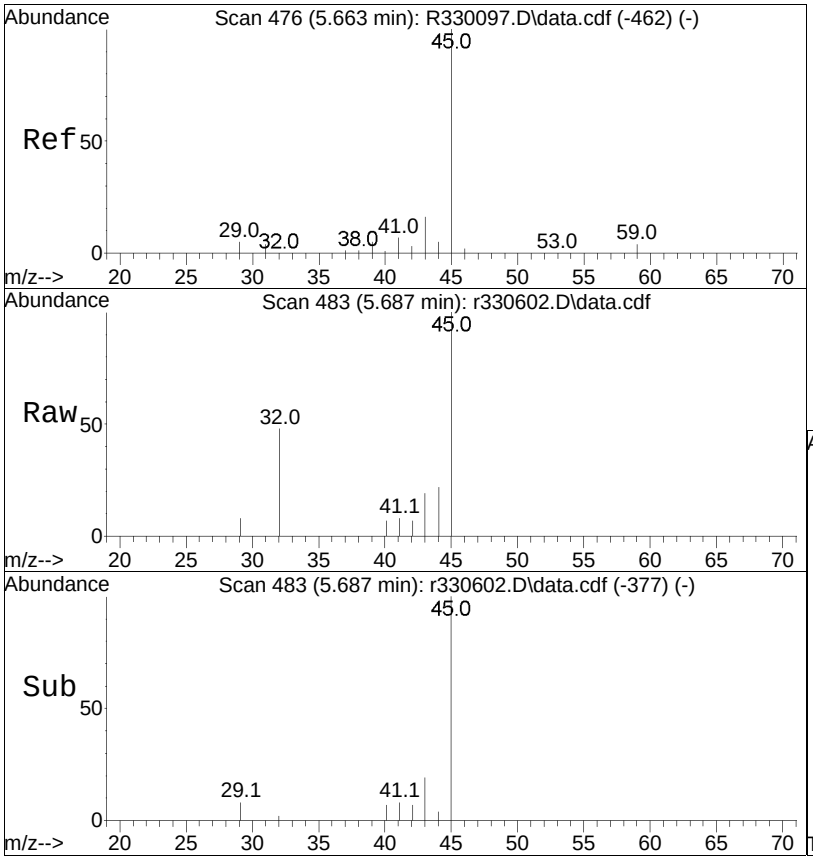


#19
acetone
Concen: 1.96 ppbV m
RT: 5.397 min Scan# 396
Delta R.T. 0.010 min
Lab File: r330602.D
Acq: 25 Apr 2024 2:31 AM

Tgt Ion: 43 Resp: 76325

Ion	Ratio	Lower	Upper
43	100		
58	43.4	27.3	40.9#
57	4.5	0.8	1.2#

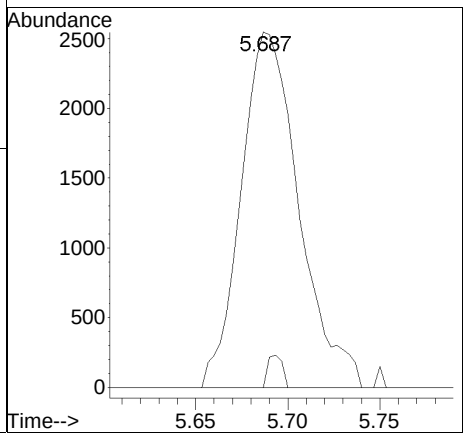


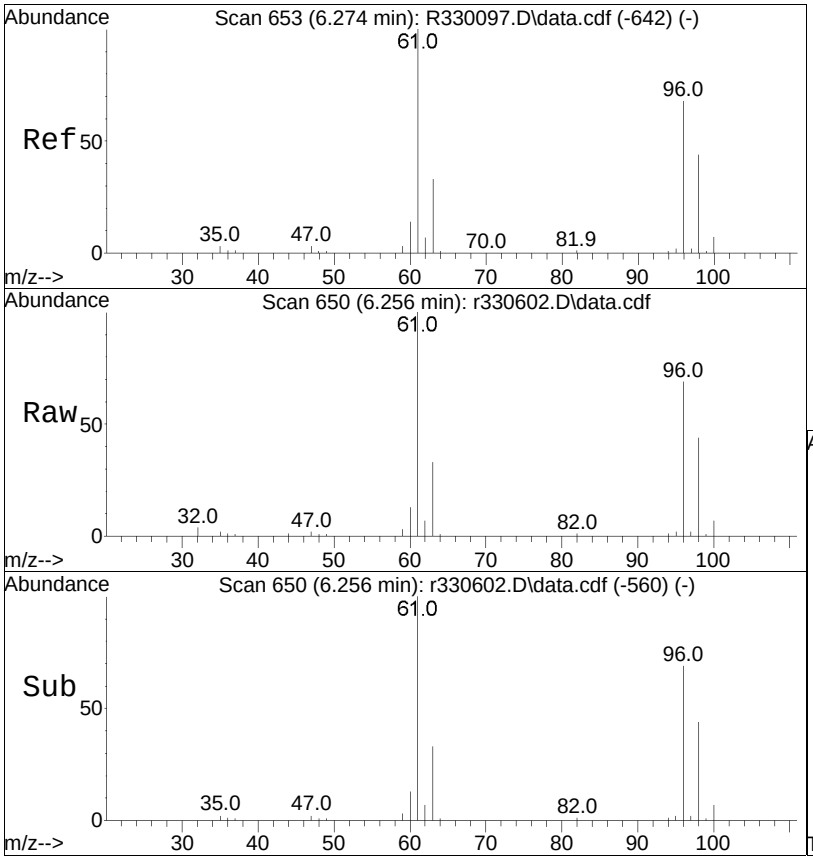


#22
isopropyl alcohol
Concen: 0.11 ppbV
RT: 5.687 min Scan# 483
Delta R.T. 0.024 min
Lab File: r330602.D
Acq: 25 Apr 2024 2:31 AM

Tgt Ion: 45 Resp: 5569

Ion	Ratio	Lower	Upper
45	100		
59	0.0	3.0	4.4#

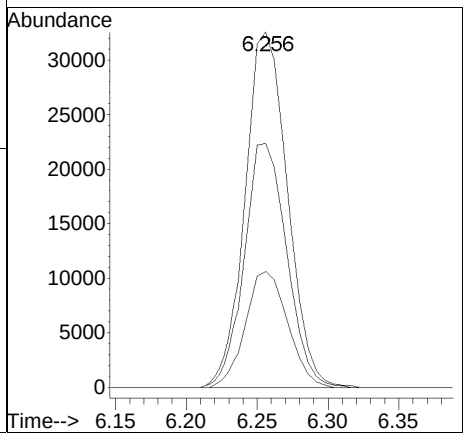


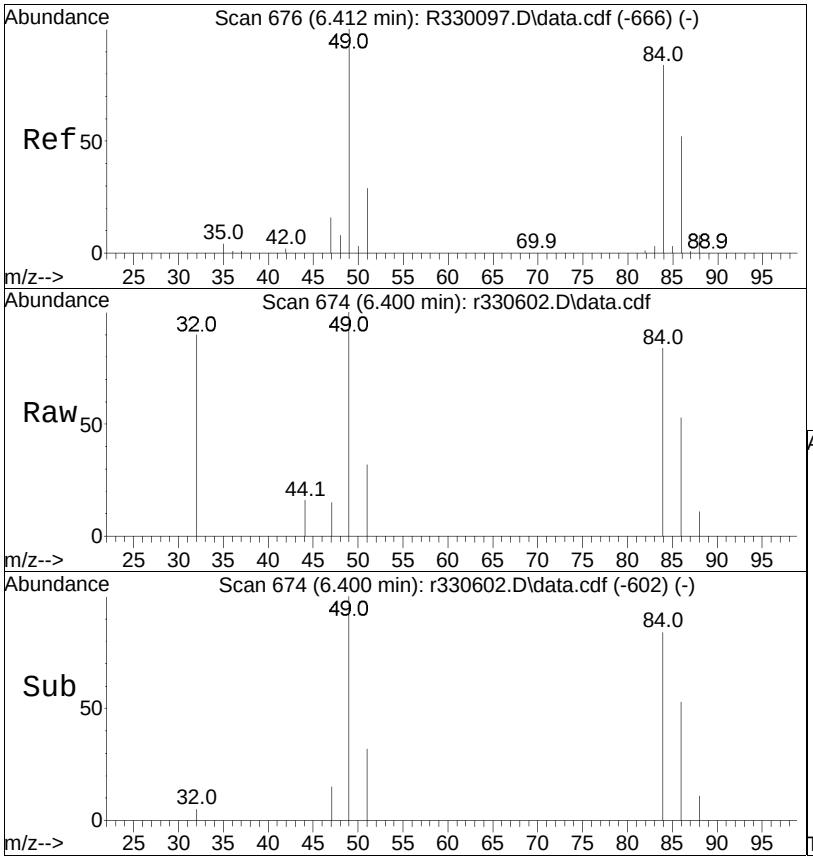


#26
1,1-dichloroethene
Concen: 1.53 ppbV
RT: 6.256 min Scan# 650
Delta R.T. -0.018 min
Lab File: r330602.D
Acq: 25 Apr 2024 2:31 AM

Tgt Ion: 61 Resp: 55024

Ion	Ratio	Lower	Upper
61	100		
96	68.6	54.2	81.2
63	32.6	26.5	39.7

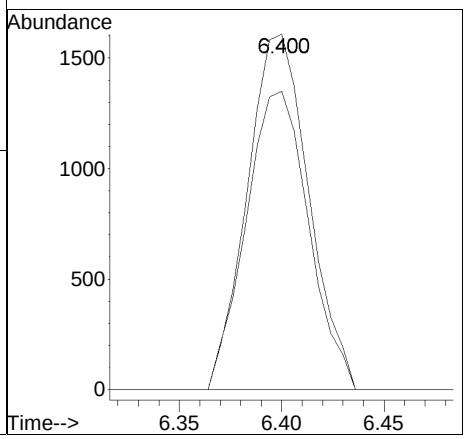


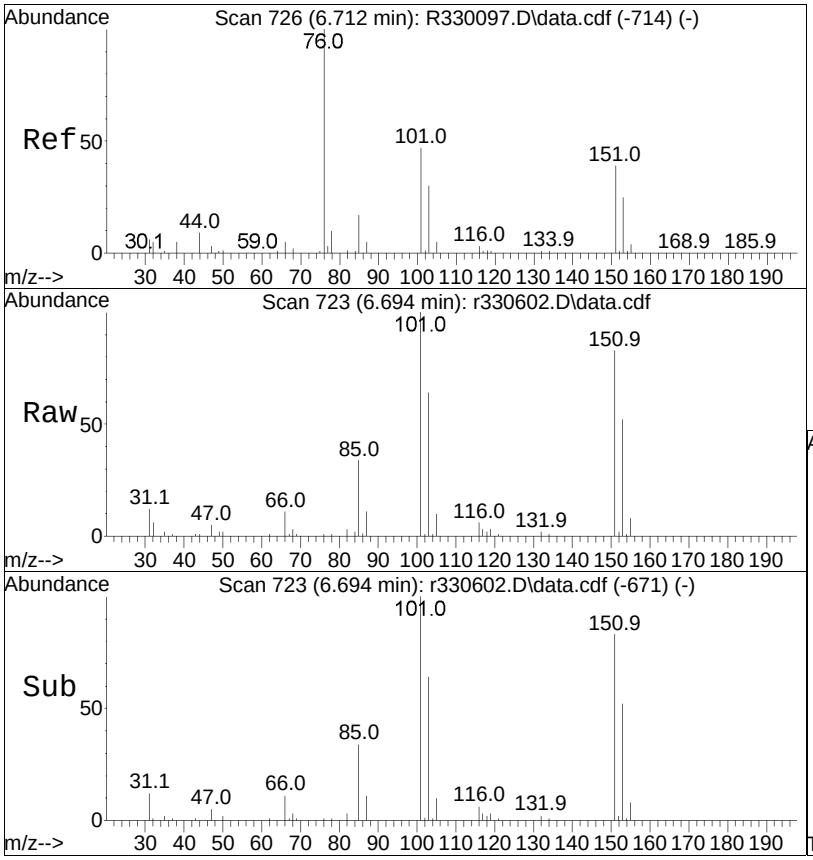


#28
methylene chloride
Concen: 0.12 ppbV
RT: 6.400 min Scan# 674
Delta R.T. -0.012 min
Lab File: r330602.D
Acq: 25 Apr 2024 2:31 AM

Tgt Ion: 49 Resp: 3368

Ion	Ratio	Lower	Upper
49	100		
84	83.9	67.0	100.4

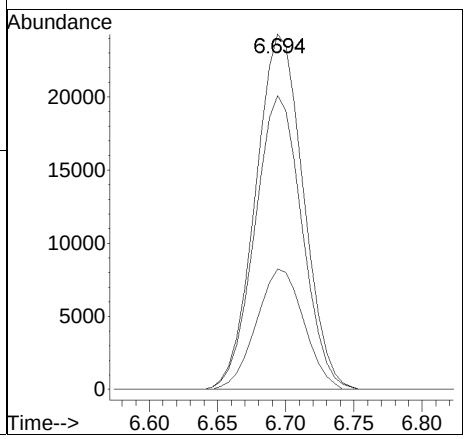


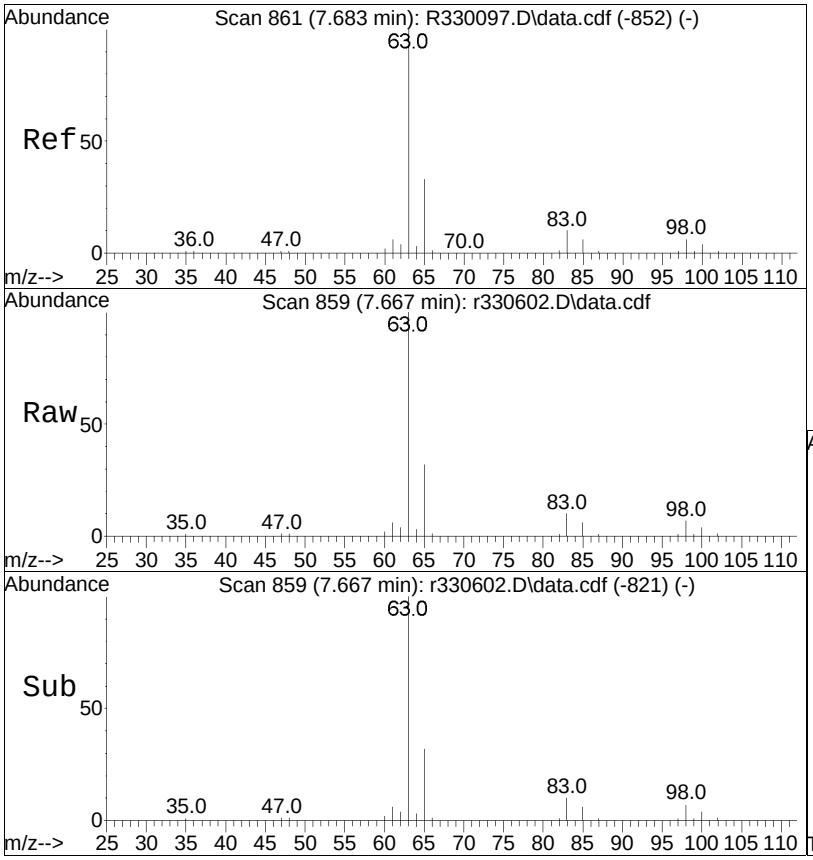


#31
Freon 113
Concen: 1.27 ppbV
RT: 6.694 min Scan# 723
Delta R.T. -0.018 min
Lab File: r330602.D
Acq: 25 Apr 2024 2:31 AM

Tgt Ion:101 Resp: 59258

Ion	Ratio	Lower	Upper
101	100		
85	33.9	28.5	42.7
151	82.7	66.9	100.3

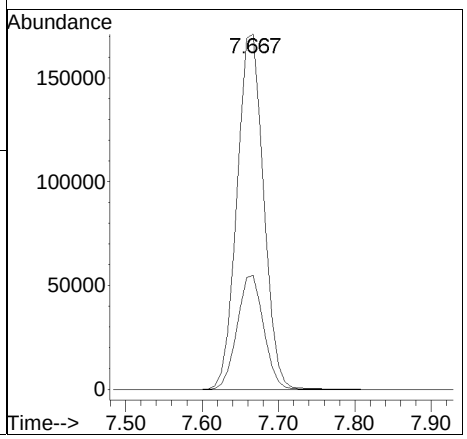


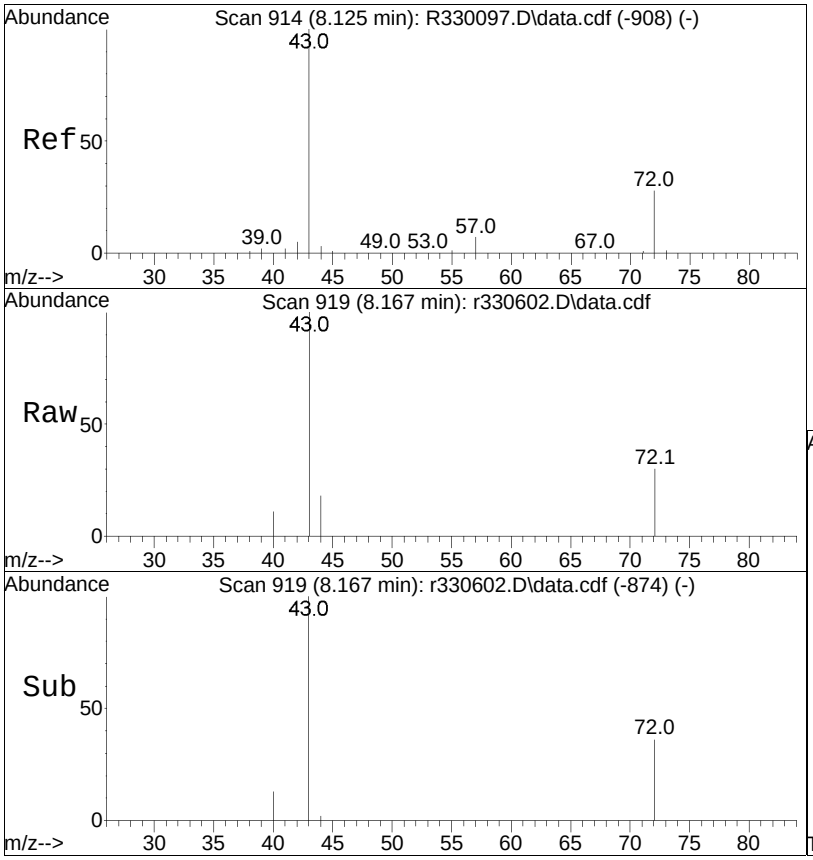


#33
1,1-dichloroethane
Concen: 8.02 ppbV
RT: 7.667 min Scan# 859
Delta R.T. -0.017 min
Lab File: r330602.D
Acq: 25 Apr 2024 2:31 AM

Tgt Ion: 63 Resp: 414788

Ion	Ratio	Lower	Upper
63	100		
65	32.1	26.2	39.4

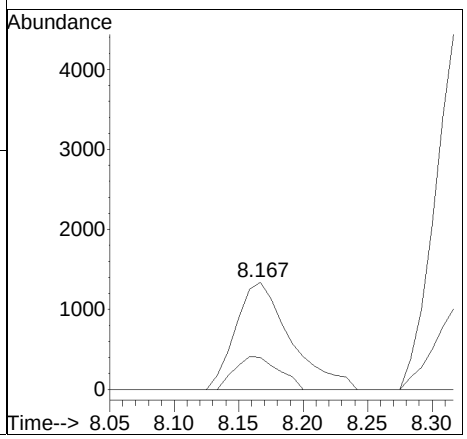


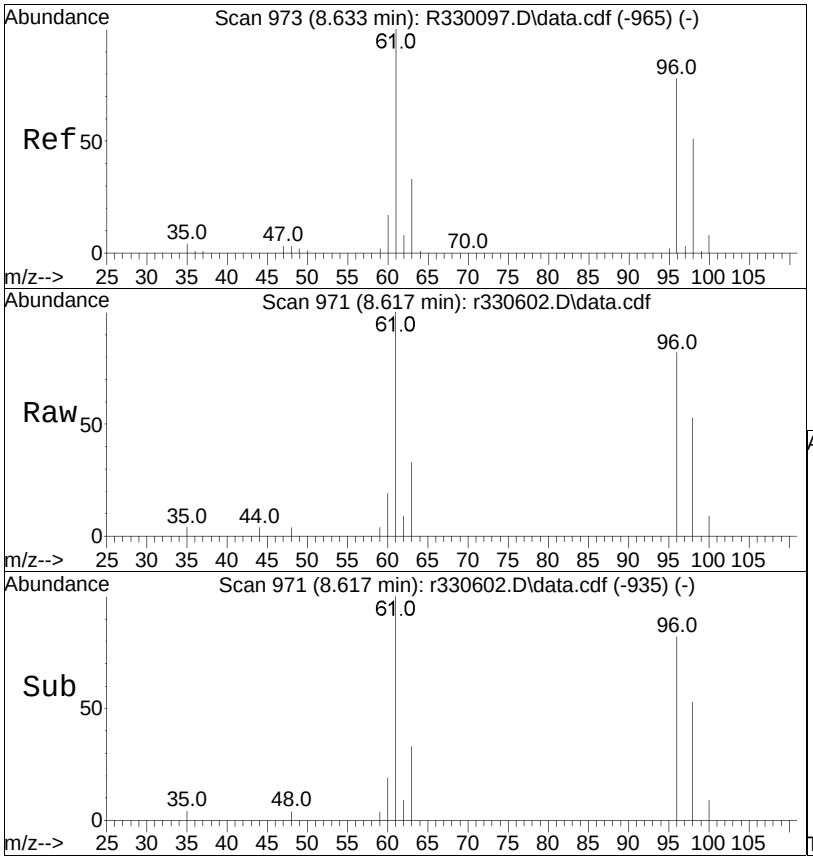


#36
2-butanone
Concen: 0.06 ppbV
RT: 8.167 min Scan# 919
Delta R.T. 0.042 min
Lab File: r330602.D
Acq: 25 Apr 2024 2:31 AM

Tgt Ion: 43 Resp: 3960

Ion	Ratio	Lower	Upper
43	100		
72	29.9	22.1	33.1
57	0.0	5.3	7.9#

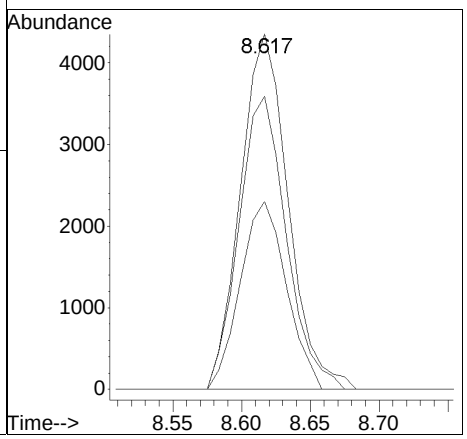


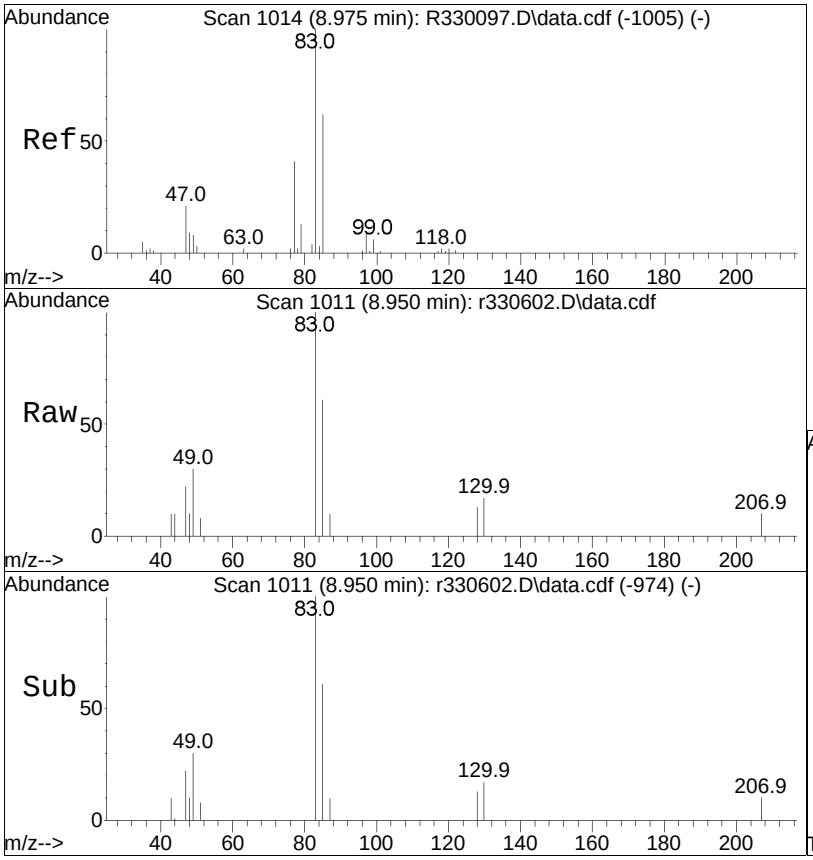


#37
cis-1,2-dichloroethene
Concen: 0.29 ppbV
RT: 8.617 min Scan# 971
Delta R.T. -0.017 min
Lab File: r330602.D
Acq: 25 Apr 2024 2:31 AM

Tgt Ion: 61 Resp: 10521

Ion	Ratio	Lower	Upper
61	100		
96	82.5	62.6	94.0
98	52.9	40.7	61.1

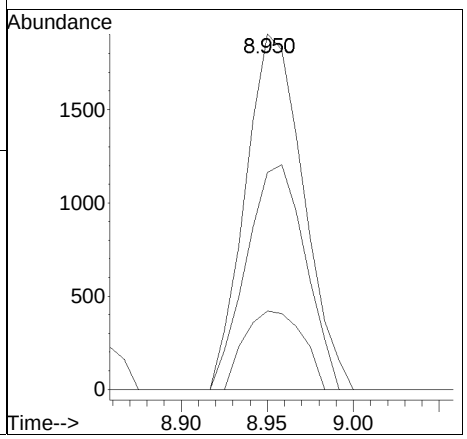


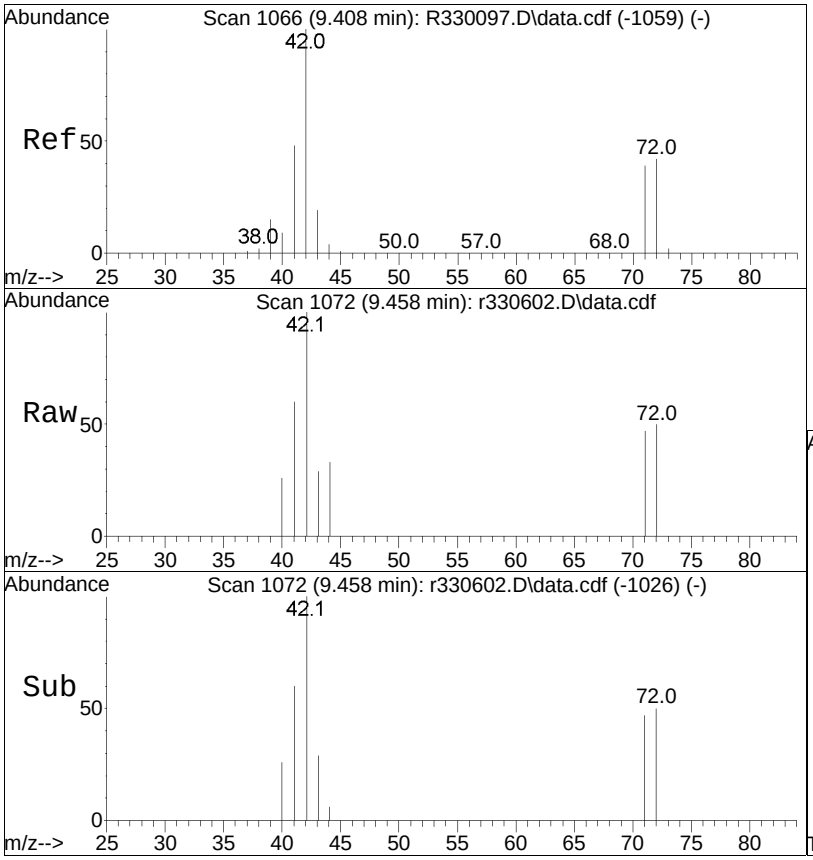


#39
chloroform
Concen: 0.10 ppbV
RT: 8.950 min Scan# 1011
Delta R.T. -0.025 min
Lab File: r330602.D
Acq: 25 Apr 2024 2:31 AM

Tgt Ion: 83 Resp: 4476

Ion	Ratio	Lower	Upper
83	100		
85	61.0	49.8	74.8
47	22.0	16.8	25.2

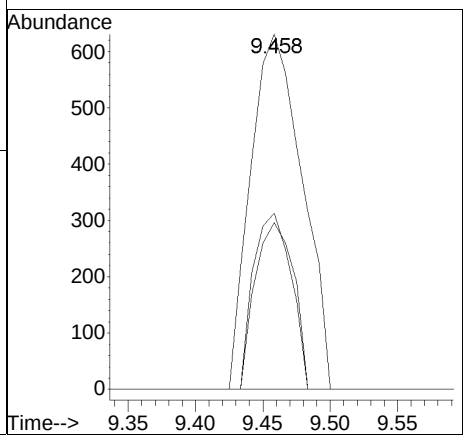


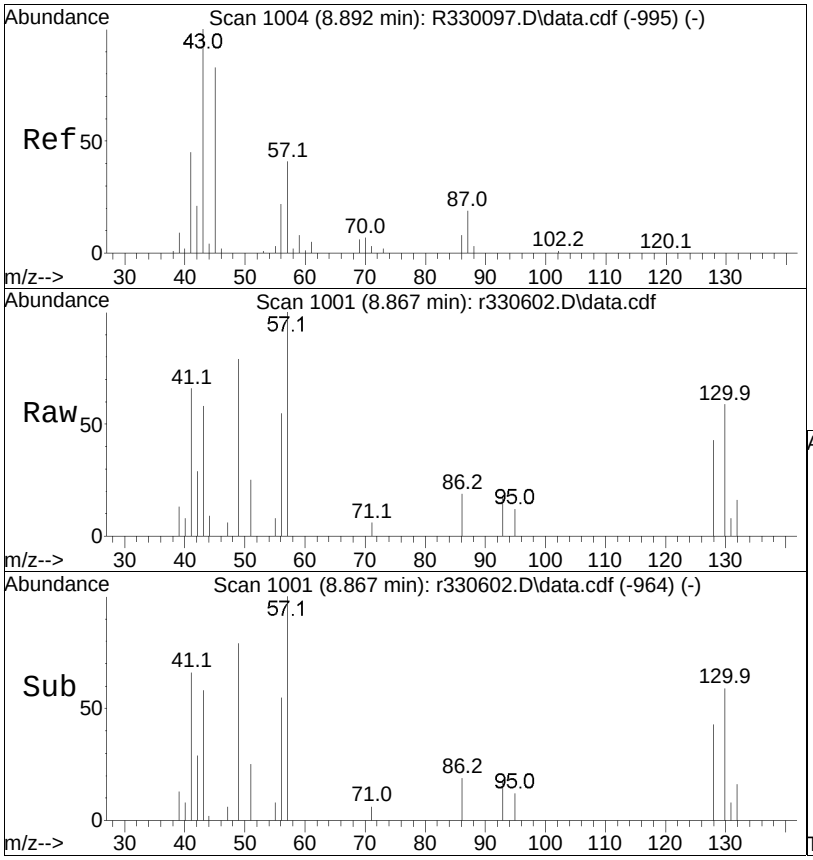


#40
Tetrahydrofuran
Concen: 0.04 ppbV m
RT: 9.458 min Scan# 1072
Delta R.T. 0.050 min
Lab File: r330602.D
Acq: 25 Apr 2024 2:31 AM

Tgt Ion: 42 Resp: 1682

Ion	Ratio	Lower	Upper
42	100		
71	46.9	31.0	46.4#
72	49.6	33.4	50.2

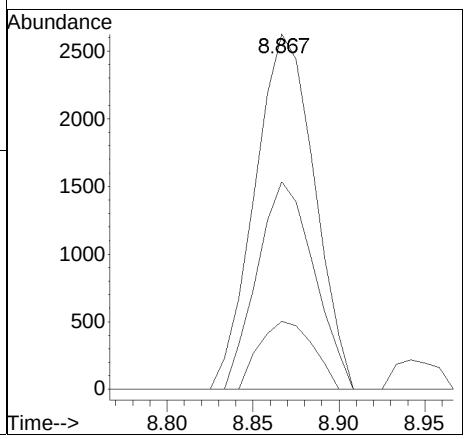


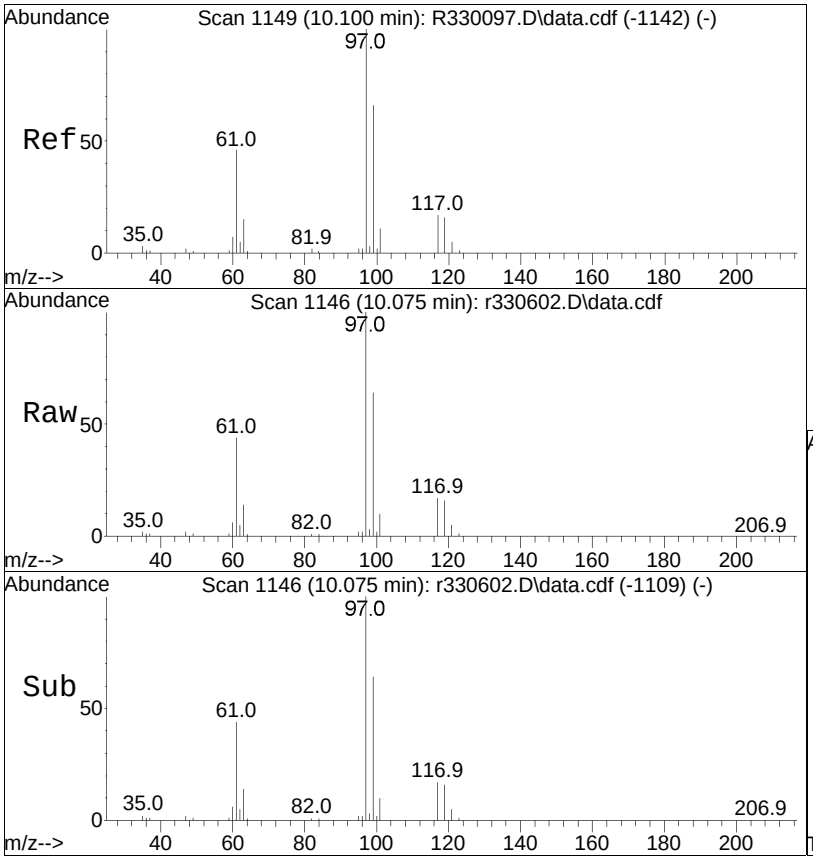


#44
hexane
Concen: 0.14 ppbV
RT: 8.867 min Scan# 1001
Delta R.T. -0.025 min
Lab File: r330602.D
Acq: 25 Apr 2024 2:31 AM

Tgt Ion: 57 Resp: 6340

Ion	Ratio	Lower	Upper
57	100		
43	58.4	196.5	294.7#
86	19.2	15.8	23.6

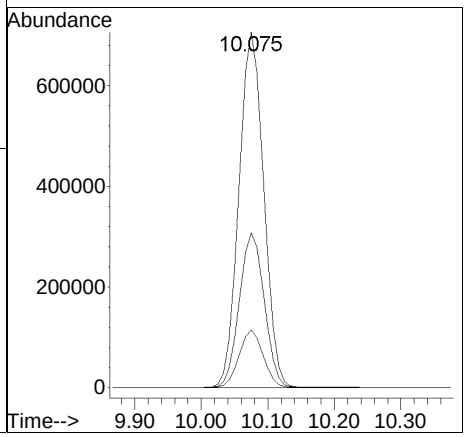


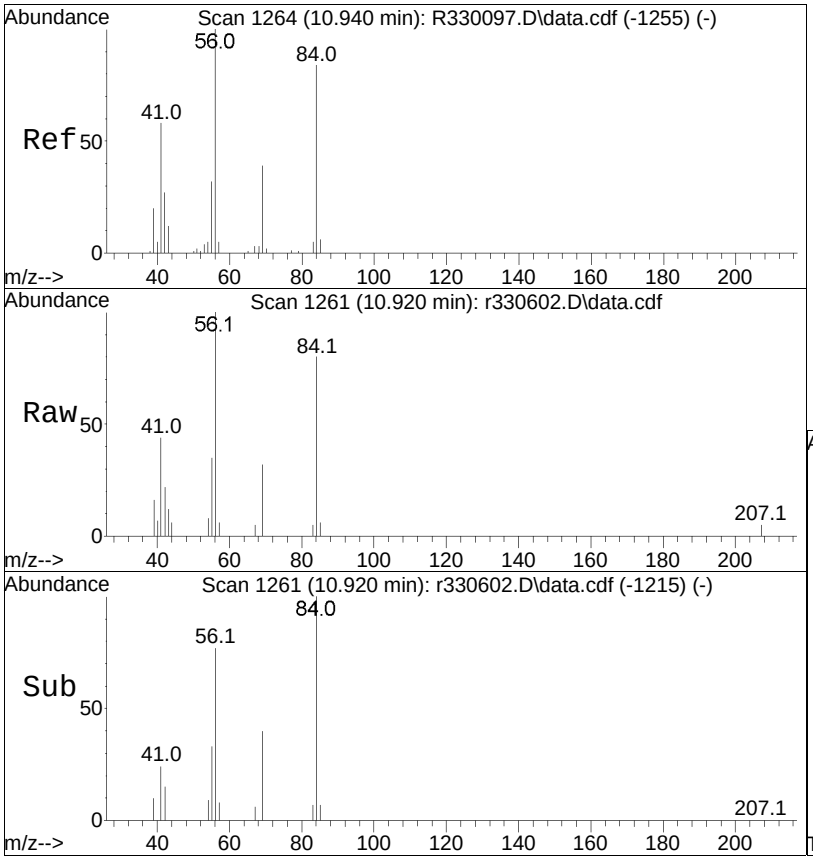


#48
1,1,1-trichloroethane
Concen: 49.36 ppbV
RT: 10.075 min Scan# 1146
Delta R.T. -0.025 min
Lab File: r330602.D
Acq: 25 Apr 2024 2:31 AM

Tgt Ion: 97 Resp: 1828230

Ion	Ratio	Lower	Upper
97	100		
61	43.5	36.6	54.8
119	16.1	13.0	19.4

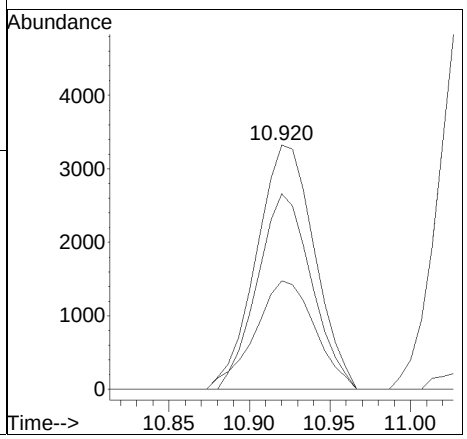


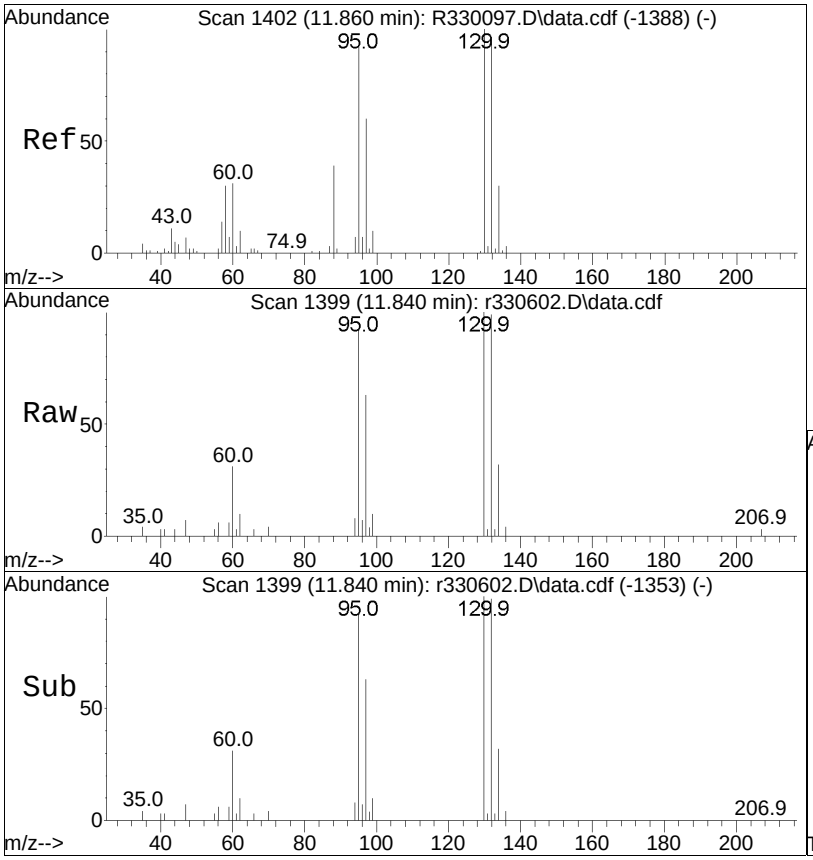


#53
cyclohexane
Concen: 0.17 ppbV
RT: 10.920 min Scan# 1261
Delta R.T. -0.020 min
Lab File: r330602.D
Acq: 25 Apr 2024 2:31 AM

Tgt Ion: 56 Resp: 8358

Ion	Ratio	Lower	Upper
56	100		
84	80.1	67.4	101.2
41	44.4	46.4	69.6#

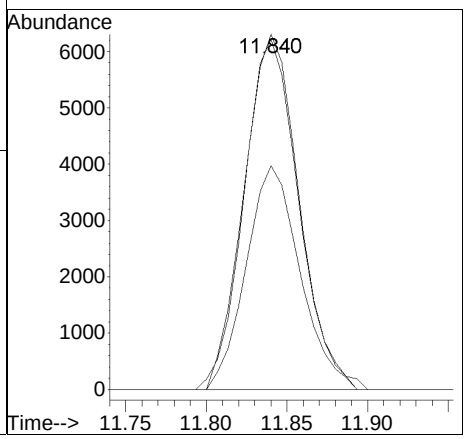


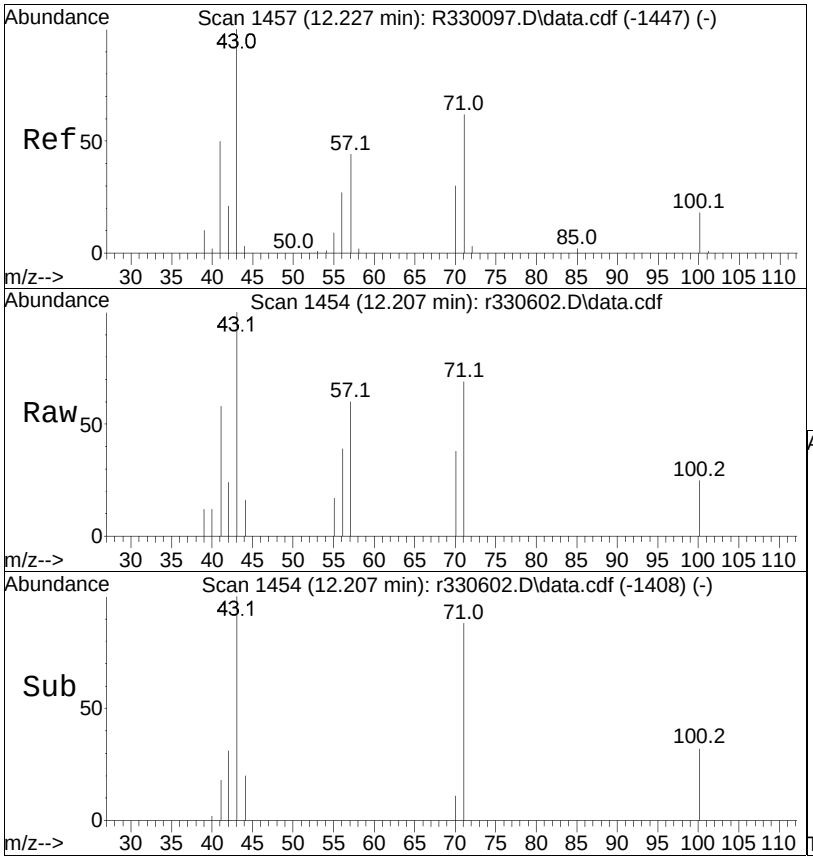


#59
trichloroethene
Concen: 0.41 ppbV
RT: 11.840 min Scan# 1399
Delta R.T. -0.020 min
Lab File: r330602.D
Acq: 25 Apr 2024 2:31 AM

Tgt Ion:130 Resp: 14921

Ion	Ratio	Lower	Upper
130	100		
132	98.6	76.3	114.5
97	62.9	47.8	71.6

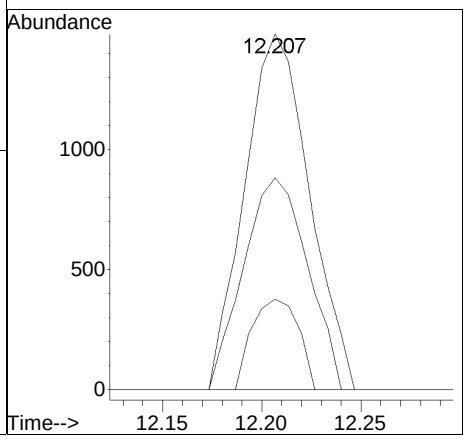


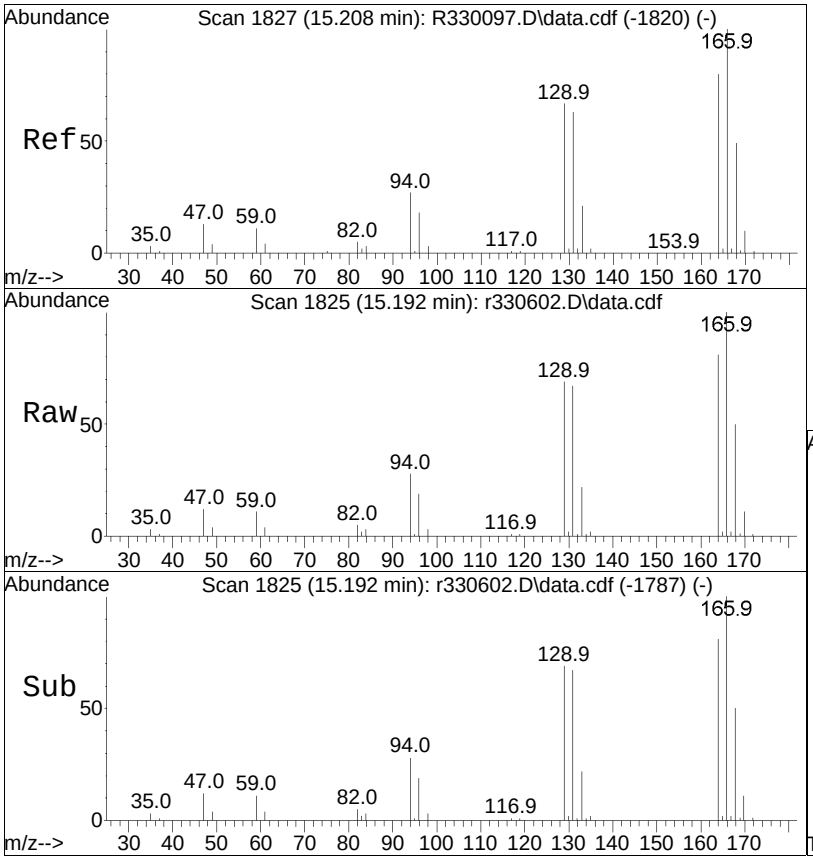


#62
heptane
Concen: 0.05 ppbV
RT: 12.207 min Scan# 1454
Delta R.T. -0.020 min
Lab File: r330602.D
Acq: 25 Apr 2024 2:31 AM

Tgt Ion: 43 Resp: 3362

Ion	Ratio	Lower	Upper
43	100		
57	59.6	34.9	52.3#
100	25.5	14.9	22.3#

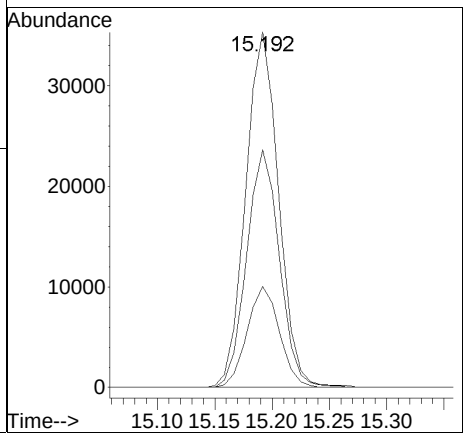


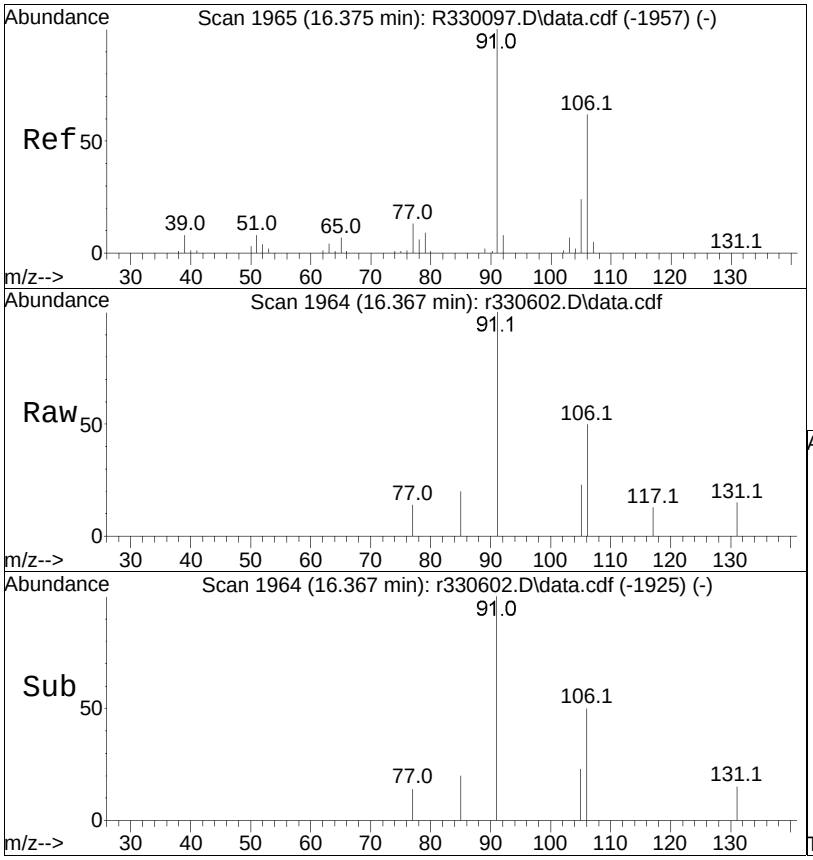


#78
tetrachloroethene
Concen: 1.32 ppbV
RT: 15.192 min Scan# 1825
Delta R.T. -0.017 min
Lab File: r330602.D
Acq: 25 Apr 2024 2:31 AM

Tgt Ion:166 Resp: 70536

Ion	Ratio	Lower	Upper
166	100		
131	66.9	50.6	75.8
94	28.4	21.4	32.2

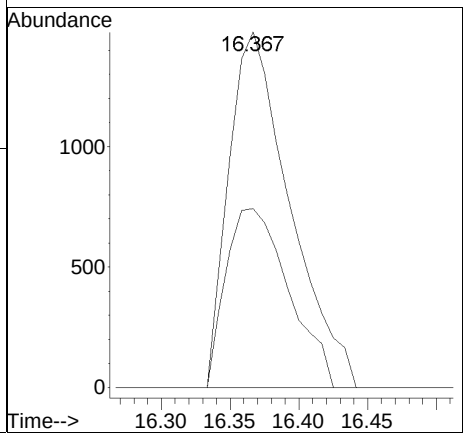


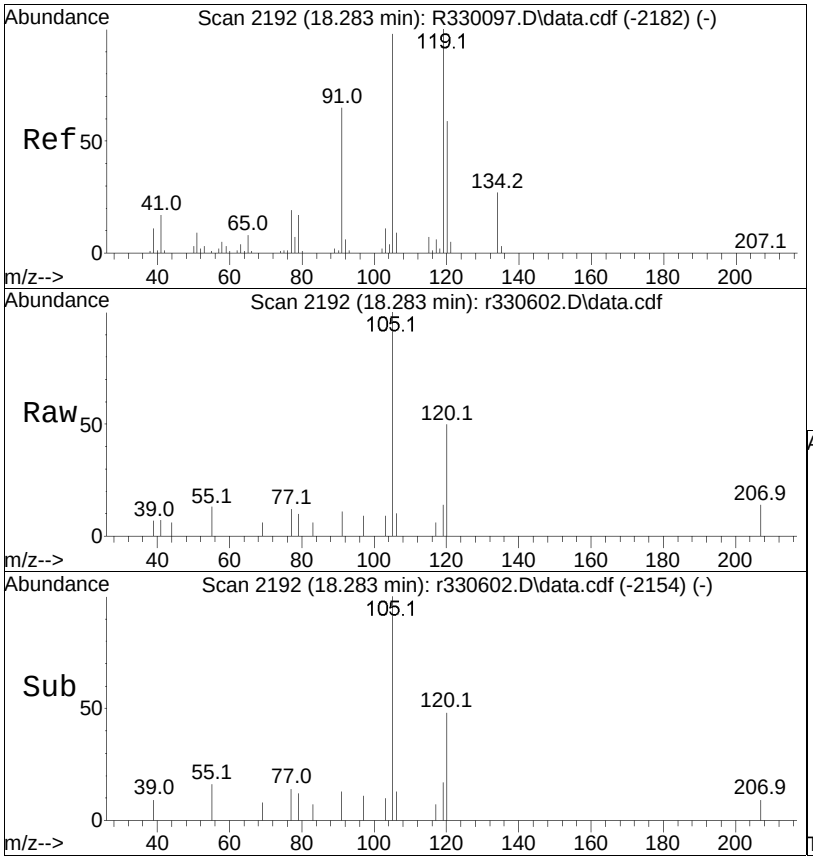


#83
m+p-xylene
Concen: 0.04 ppbV
RT: 16.367 min Scan# 1964
Delta R.T. -0.008 min
Lab File: r330602.D
Acq: 25 Apr 2024 2:31 AM

Tgt Ion: 91 Resp: 4573

Ion	Ratio	Lower	Upper
91	100		
106	50.3	49.2	73.8

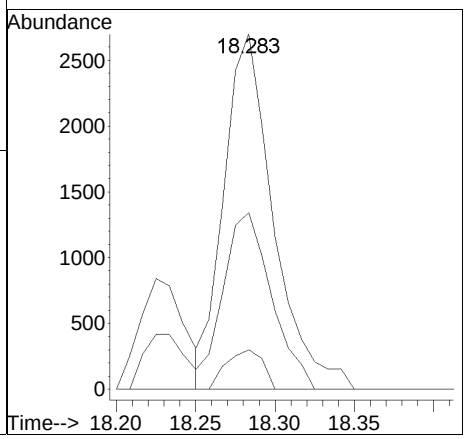




#99
1,2,4-trimethylbenzene
Concen: 0.04 ppbV
RT: 18.283 min Scan# 2192
Delta R.T. 0.000 min
Lab File: r330602.D
Acq: 25 Apr 2024 2:31 AM

Tgt Ion:105 Resp: 5872

Ion	Ratio	Lower	Upper
105	100		
120	49.8	47.8	71.8
91	11.1	53.4	80.0#

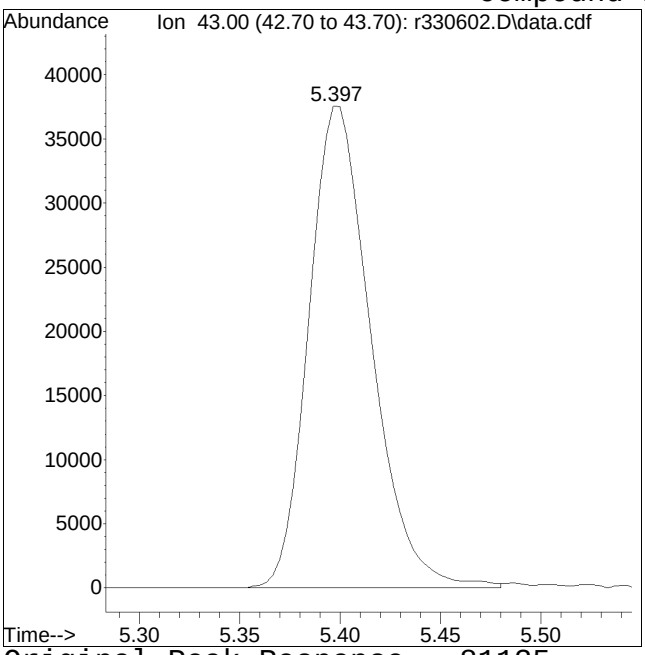


Manual Integration Report

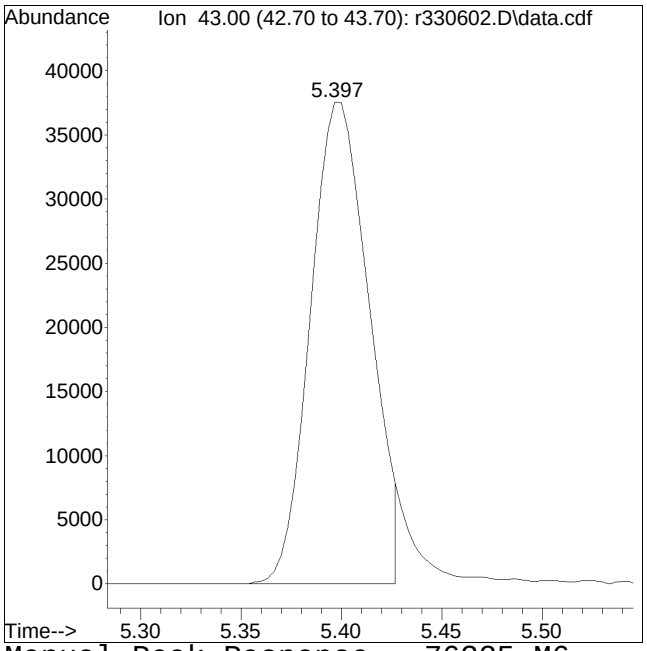
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330602.D
Date Inj'd : 4/25/2020 0:2: 1
Sample : L2419731-09D,3,3.44,250

Method : TFS3_240401.M
Operator : AIRPIANO3:KJD
Instrument :
Quant Date : 4/25/2024 7:36 am

Compound #19: acetone



Original Peak Response = 81135



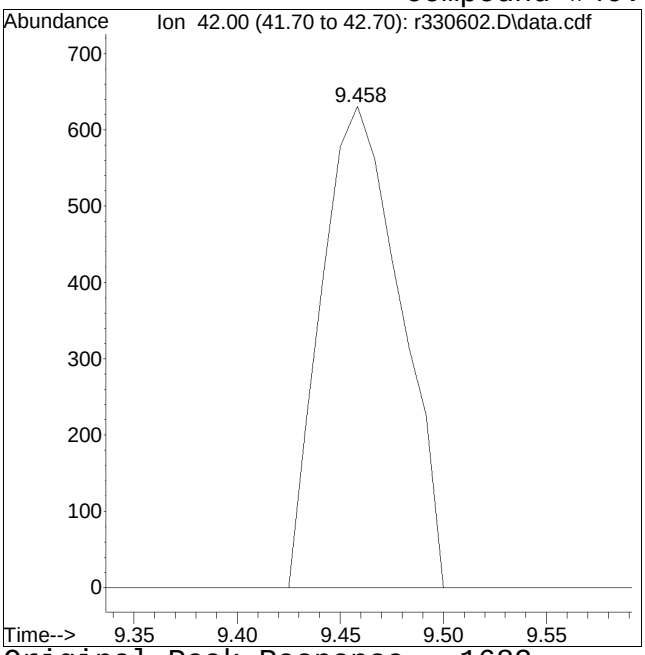
Manual Peak Response = 76325 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

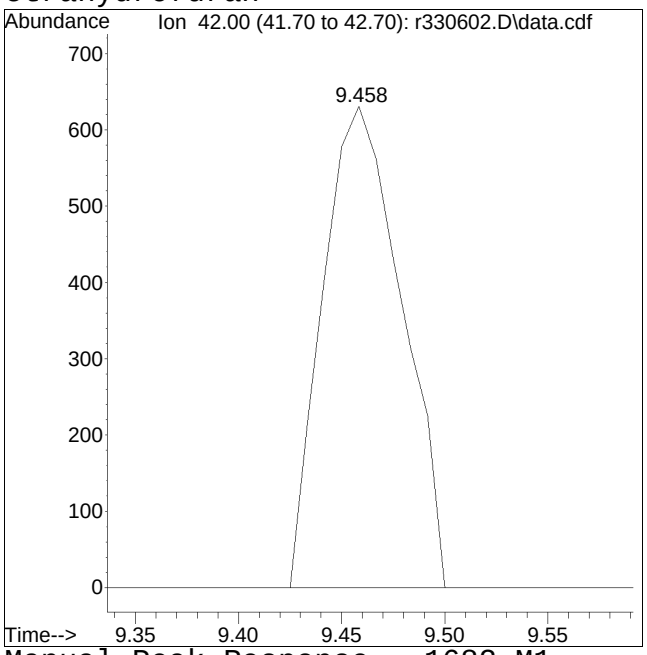
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : r330602.D Operator : AIRPIANO3:KJD
Date Inj'd : 4/25/2020 0:2: 1 Instrument :
Sample : L2419731-09D,3,3.44,250 Quant Date : 4/25/2024 7:36 am

Compound #40: Tetrahydrofuran



Original Peak Response = 1682



Manual Peak Response = 1682 M1

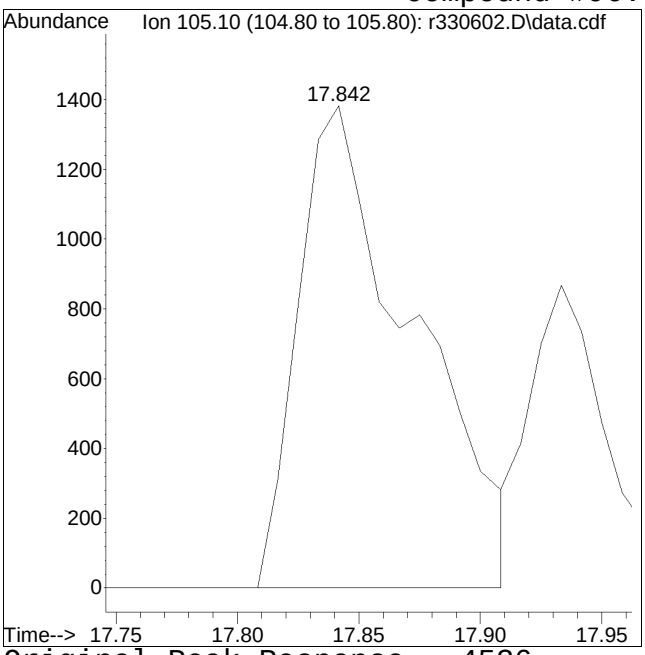
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

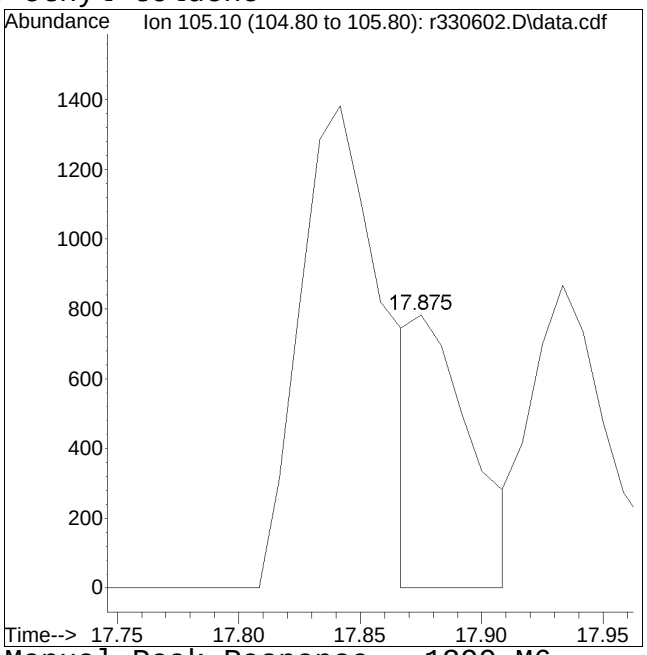
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330602.D
Date Inj'd : 4/25/2020 0:2: 1
Sample : L2419731-09D,3,3.44,250

Method : TFS3_240401.M
Operator : AIRPIANO3:KJD
Instrument :
Quant Date : 4/25/2024 7:36 am

Compound #96: 4-ethyl toluene



Original Peak Response = 4536



Manual Peak Response = 1299 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330603.D
Acq On : 25 Apr 2024 3:11 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-10,3,250,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:37:07 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	8.800	49	346415	10.000	ppbV		-0.02
Standard Area = 349686			Recovery = 99.06%				
43) 1,4-difluorobenzene	11.033	114	1183202	10.000	ppbV		-0.02
Standard Area = 1160525			Recovery = 101.95%				
67) chlorobenzene-D5	15.800	54	170559	10.000	ppbV		-0.02
Standard Area = 168249			Recovery = 101.37%				
System Monitoring Compounds							
Target Compounds							Qvalue
5) dichlorodifluoromethane	3.786	85	16277	0.431	ppbV		97
6) chloromethane	3.942	50	1605M6	0.085	ppbV		
7) Freon-114	4.044		0	N.D.			
9) vinyl chloride	4.158		0	N.D.			
10) 1,3-butadiene	0.000		0	N.D.	d		
13) bromomethane	0.000		0	N.D.			
14) chloroethane	4.746	64	1316	0.121	ppbV		92
15) ethanol	4.872	31	248272	20.952	ppbV		82
17) vinyl bromide	0.000		0	N.D.			
19) acetone	5.370	43	4255712	112.877	ppbV	#	77
21) trichlorofluoromethane	5.567	101	9830	0.256	ppbV		98
22) isopropyl alcohol	5.663	45	116278	2.314	ppbV	#	96
26) 1,1-dichloroethene	6.256	61	10554	0.302	ppbV		97
27) tertiary butyl alcohol	6.328	59	15379	0.308	ppbV		96
28) methylene chloride	6.400	49	10310	0.372	ppbV		98
29) 3-chloropropene	0.000		0	N.D.	d		
30) carbon disulfide	0.000		0	N.D.	d		
31) Freon 113	6.694	101	42756	0.943	ppbV		98
32) trans-1,2-dichloroethene	7.442	61	14968	0.390	ppbV		98
33) 1,1-dichloroethane	7.667	63	64186	1.280	ppbV		96
34) MTBE	0.000		0	N.D.	d		
36) 2-butanone	8.117	43	107917	1.674	ppbV	#	95
37) cis-1,2-dichloroethene	8.617	61	506191	14.256	ppbV		99
38) Ethyl Acetate	0.000		0	N.D.			
39) chloroform	8.958	83	42212	0.989	ppbV		96
40) Tetrahydrofuran	9.408	42	82451	1.981	ppbV		94
42) 1,2-dichloroethane	9.792	62	2549	0.093	ppbV	#	94
44) hexane	8.867	57	51398	1.158	ppbV	#	1

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330603.D
Acq On : 25 Apr 2024 3:11 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-10,3,250,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:37:07 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,1-trichloroethane	10.075	97	688236	19.321	ppbV	98
50) benzene	10.607	78	23883	0.238	ppbV #	91
52) carbon tetrachloride	10.773	117	2470	0.076	ppbV	96
53) cyclohexane	10.920	56	10287	0.218	ppbV	87
56) 1,2-dichloropropane	0.000		0	N.D.	d	
57) bromodichloromethane	0.000		0	N.D.	d	
58) 1,4-dioxane	0.000		0	N.D.		
59) trichloroethene	11.840	130	34088	0.975	ppbV	99
60) 2,2,4-trimethylpentane	11.887	57	18408	0.128	ppbV	98
62) heptane	12.207	43	13848	0.215	ppbV #	89
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.917	43	9447	0.124	ppbV #	85
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	14.008	91	68759	0.566	ppbV	98
72) 2-hexanone	0.000		0	N.D.	d	
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
78) tetrachloroethene	15.192	166	82844	1.517	ppbV	93
80) chlorobenzene	0.000		0	N.D.	d	
81) ethylbenzene	16.200	91	29980	0.196	ppbV	94
83) m+p-xylene	16.350	91	97592	0.797	ppbV	92
84) bromoform	0.000		0	N.D.		
85) styrene	16.700		0	N.D.		
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	d	
87) o-xylene	16.783	91	43347	0.357	ppbV	92
96) 4-ethyl toluene	17.858	105	26822M6	0.148	ppbV	
97) 1,3,5-trimethylbenzene	17.925	105	34356	0.218	ppbV	99
99) 1,2,4-trimethylbenzene	18.275	105	115843M6	0.768	ppbV	
101) Benzyl Chloride	0.000		0	N.D.	d	
102) 1,3-dichlorobenzene	0.000		0	N.D.	d	
103) 1,4-dichlorobenzene	18.467	146	3160	0.031	ppbV #	78
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.333	128	20766	0.108	ppbV	99
119) hexachlorobutadiene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330603.D
Acq On : 25 Apr 2024 3:11 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-10,3,250,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:37:07 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

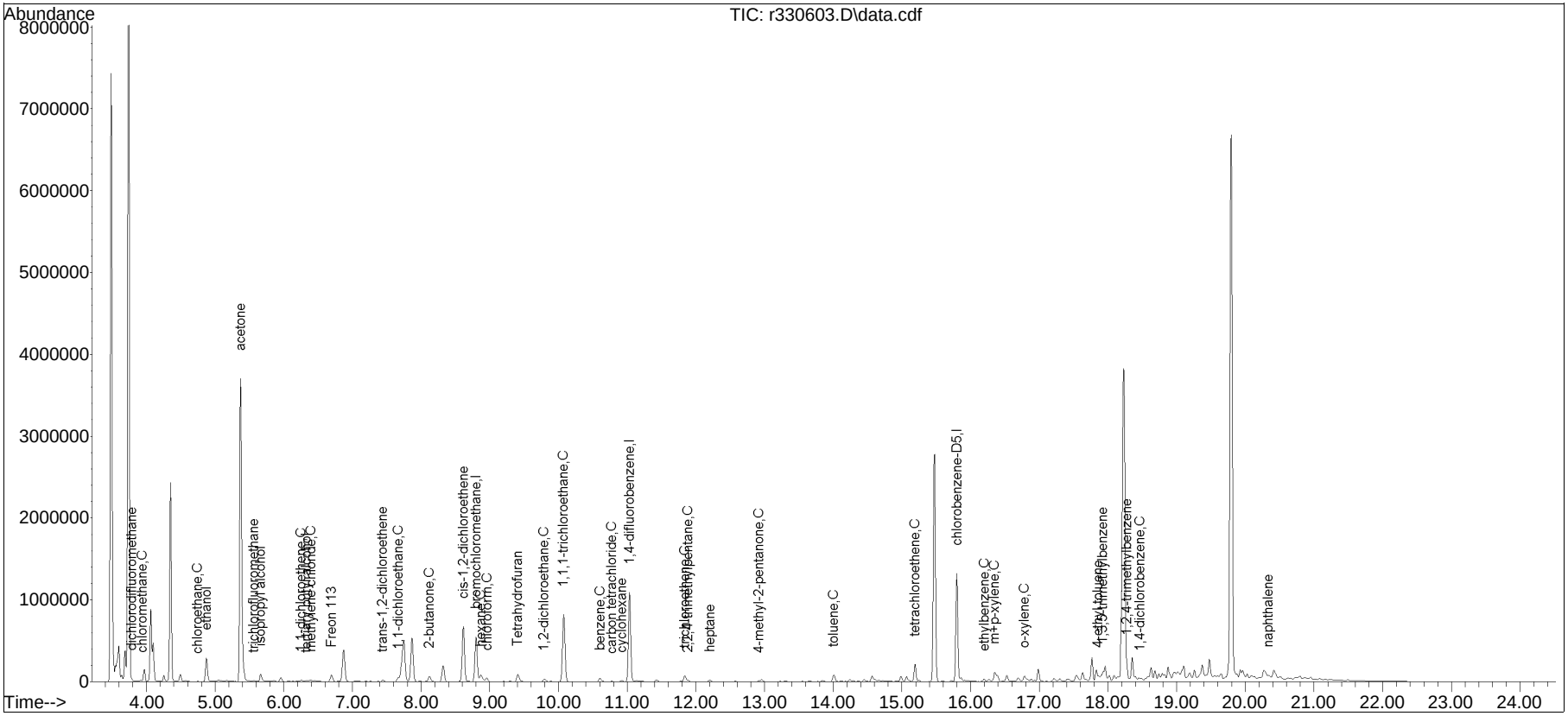
CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : TO15-NY+Naphthalene - .

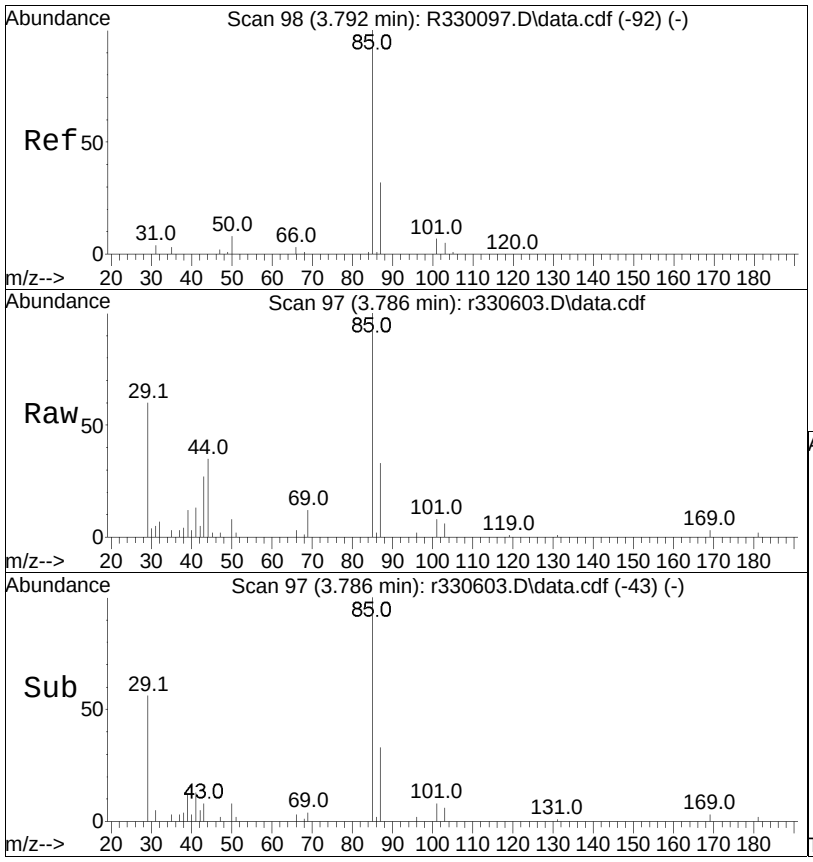
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : TO15-NY+Naphthalene - .ano3\2024\04\0424T\r330584.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330603.D
Acq On : 25 Apr 2024 3:11 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-10,3,250,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:37:07 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

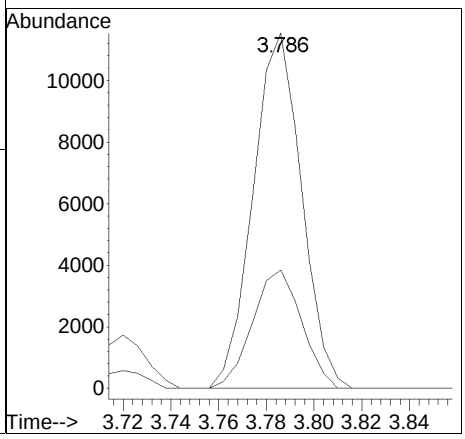


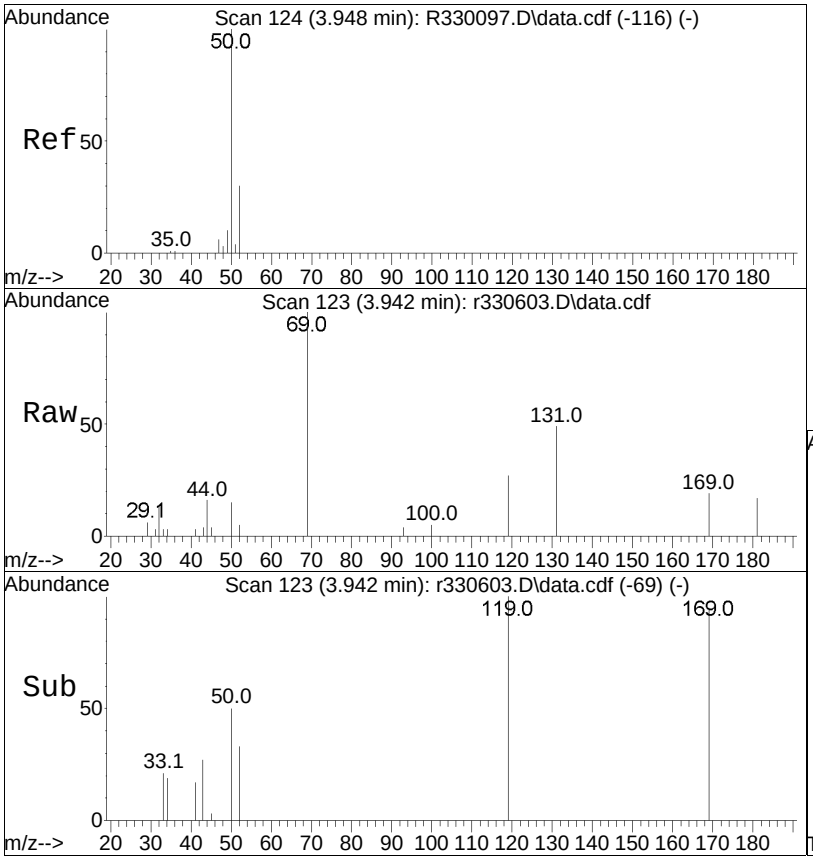


#5
dichlorodifluoromethane
Concen: 0.43 ppbV
RT: 3.786 min Scan# 97
Delta R.T. -0.006 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion: 85 Resp: 16277

Ion	Ratio	Lower	Upper
85	100		
87	33.4	25.4	38.2

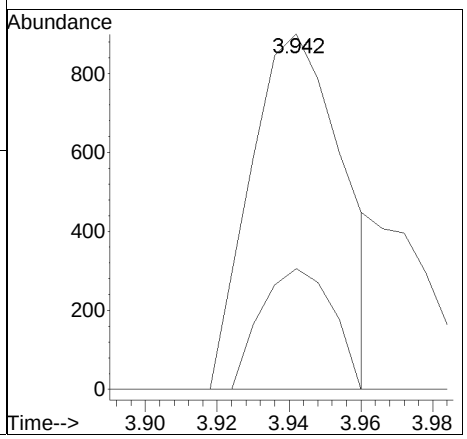


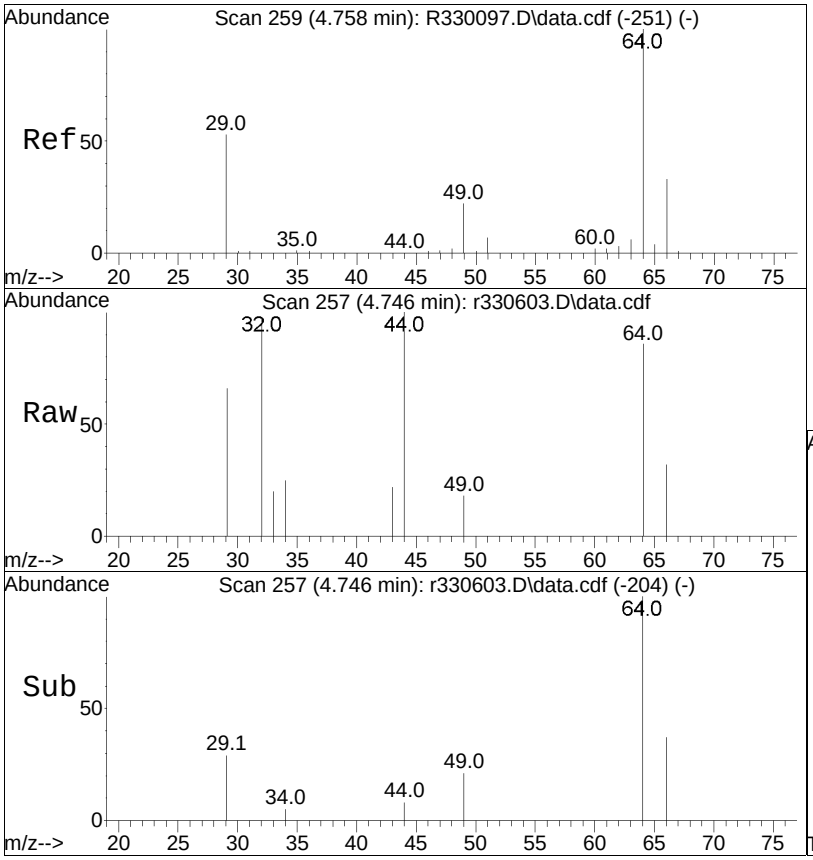


#6
chloromethane
Concen: 0.09 ppbV m
RT: 3.942 min Scan# 123
Delta R.T. -0.006 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion: 50 Resp: 1605

Ion	Ratio	Lower	Upper
50	100		
52	34.0	24.0	36.0

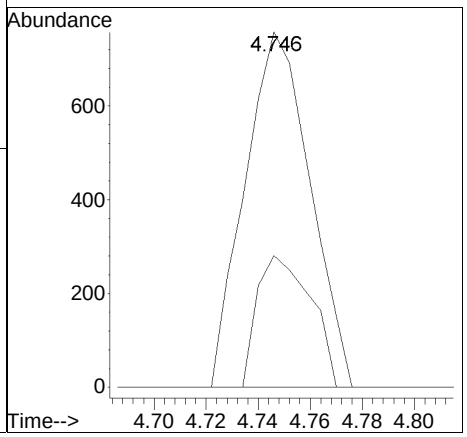


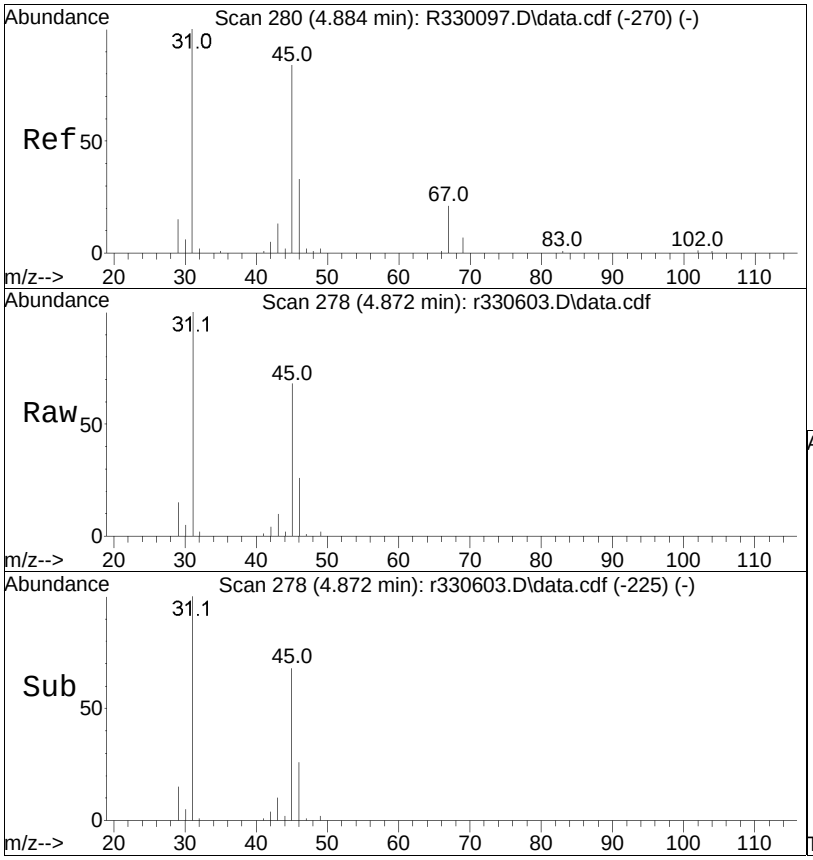


#14
chloroethane
Concen: 0.12 ppbV
RT: 4.746 min Scan# 257
Delta R.T. -0.012 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion: 64 Resp: 1316

Ion	Ratio	Lower	Upper
64	100		
66	37.1	26.2	39.2

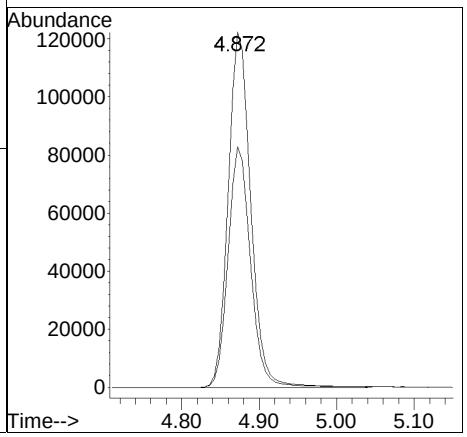


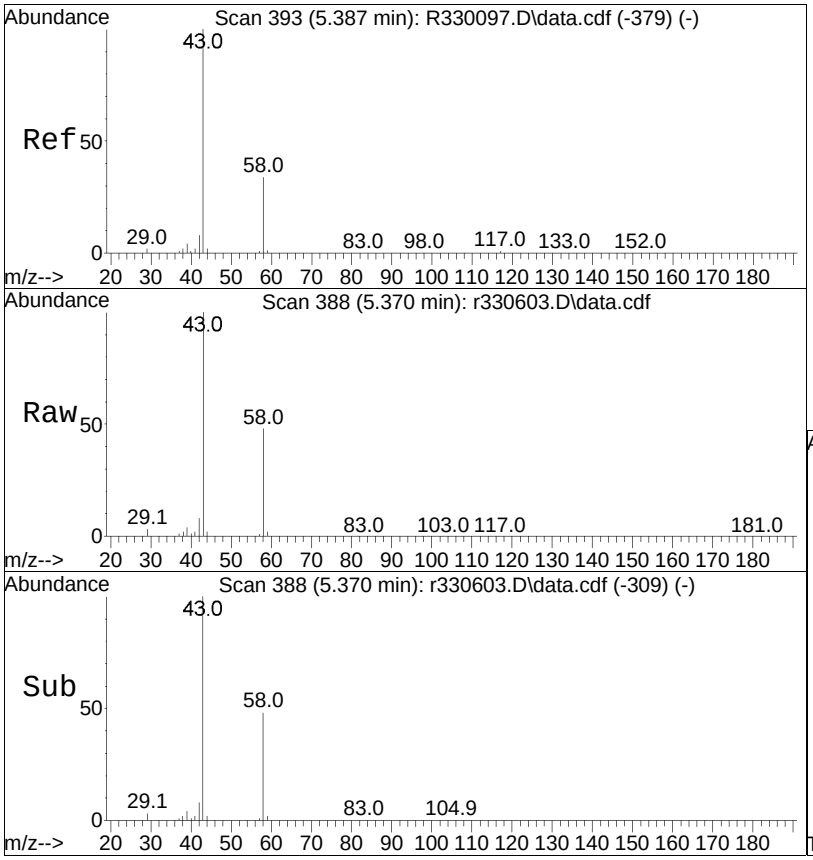


#15
ethanol
Concen: 20.95 ppbV
RT: 4.872 min Scan# 278
Delta R.T. -0.012 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion: 31 Resp: 248272

Ion	Ratio	Lower	Upper
31	100		
45	67.8	67.5	101.3

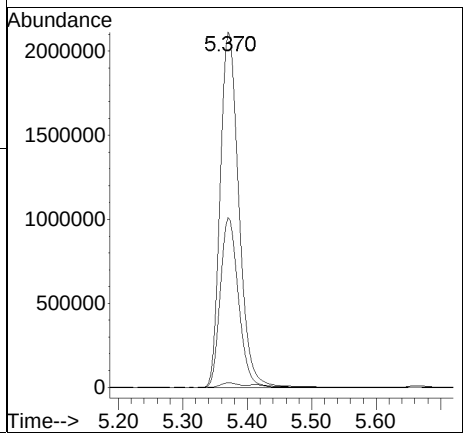


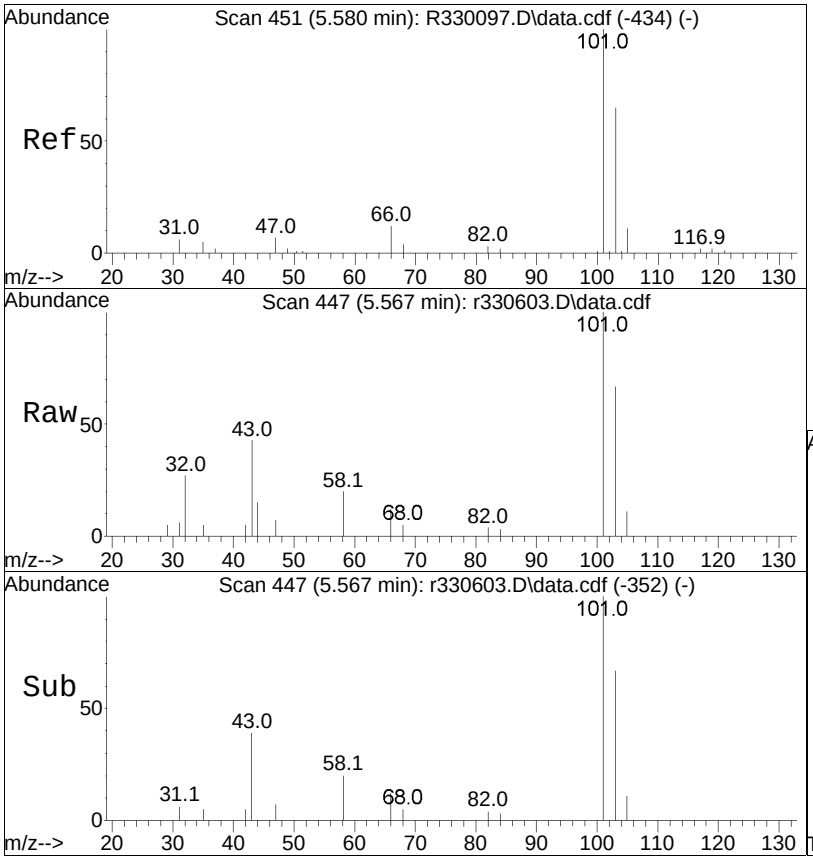


#19
acetone
Concen: 112.88 ppbV
RT: 5.370 min Scan# 388
Delta R.T. -0.017 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion: 43 Resp: 4255712

Ion	Ratio	Lower	Upper
43	100		
58	47.8	27.3	40.9#
57	1.3	0.8	1.2#

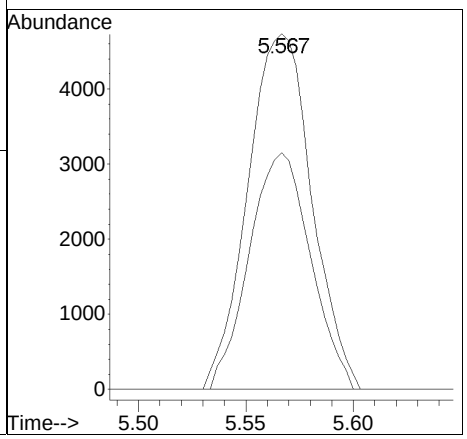


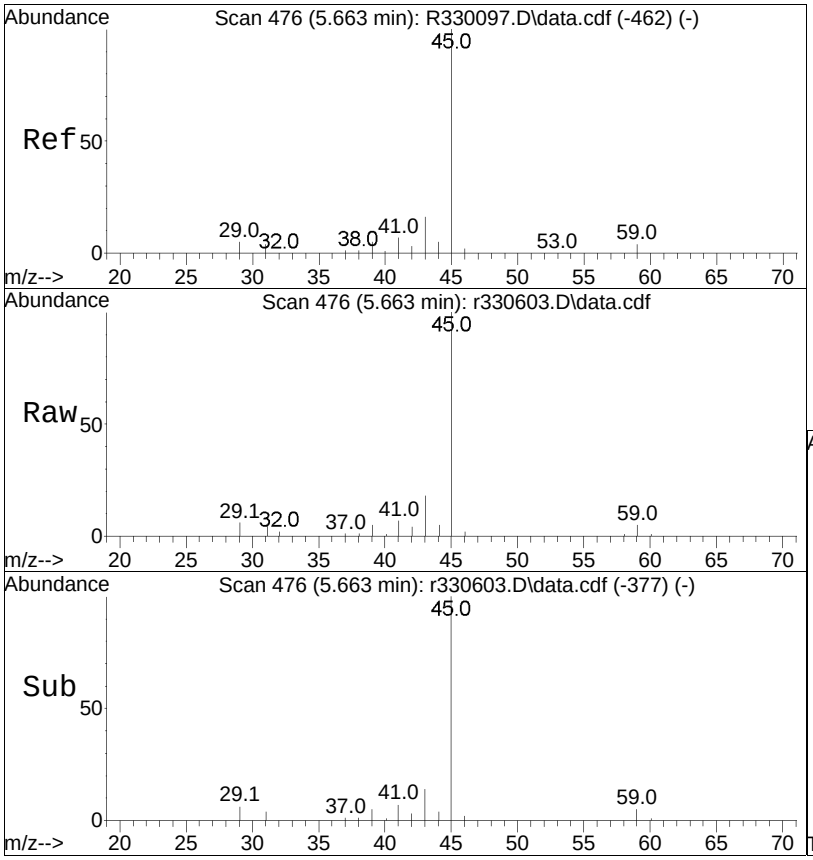


#21
trichlorofluoromethane
Concen: 0.26 ppbV
RT: 5.567 min Scan# 447
Delta R.T. -0.013 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion:101 Resp: 9830

Ion	Ratio	Lower	Upper
101	100		
103	66.6	52.0	78.0

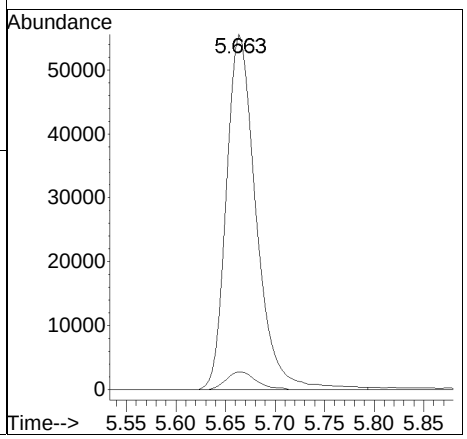


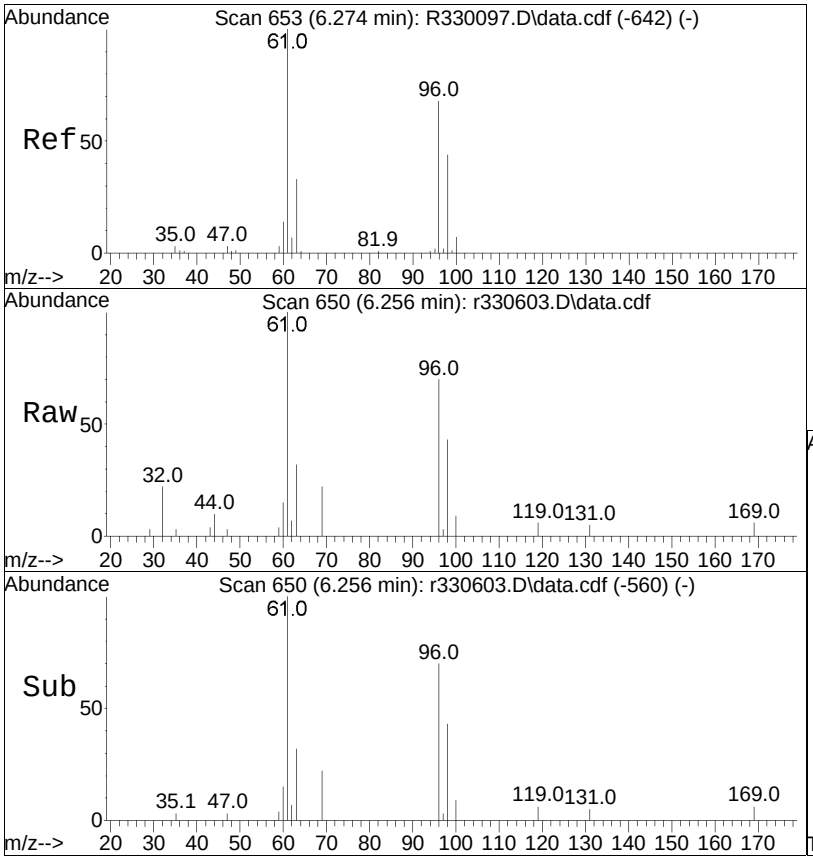


#22
isopropyl alcohol
Concen: 2.31 ppbV
RT: 5.663 min Scan# 476
Delta R.T. 0.000 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion: 45 Resp: 116278

Ion	Ratio	Lower	Upper
45	100		
59	4.9	3.0	4.4#

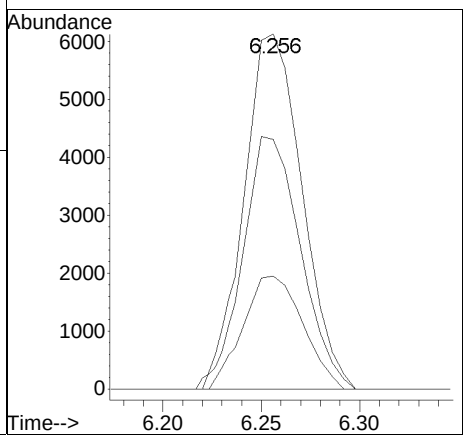


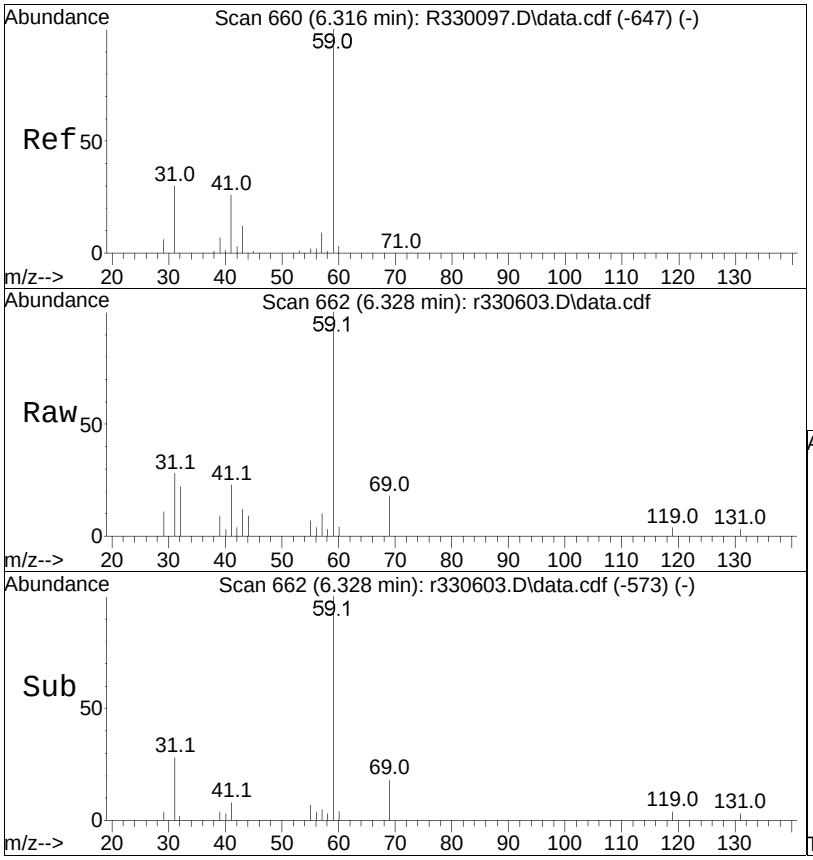


#26
1,1-dichloroethene
Concen: 0.30 ppbV
RT: 6.256 min Scan# 650
Delta R.T. -0.018 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion: 61 Resp: 10554

Ion	Ratio	Lower	Upper
61	100		
96	70.4	54.2	81.2
63	31.9	26.5	39.7

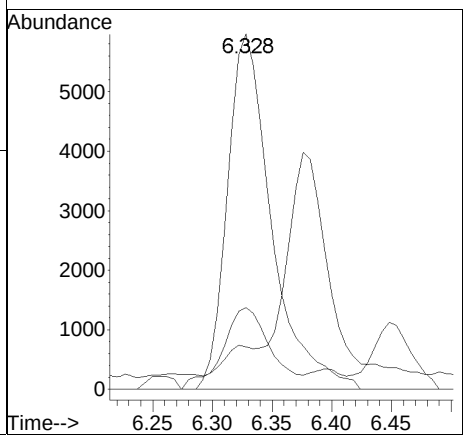


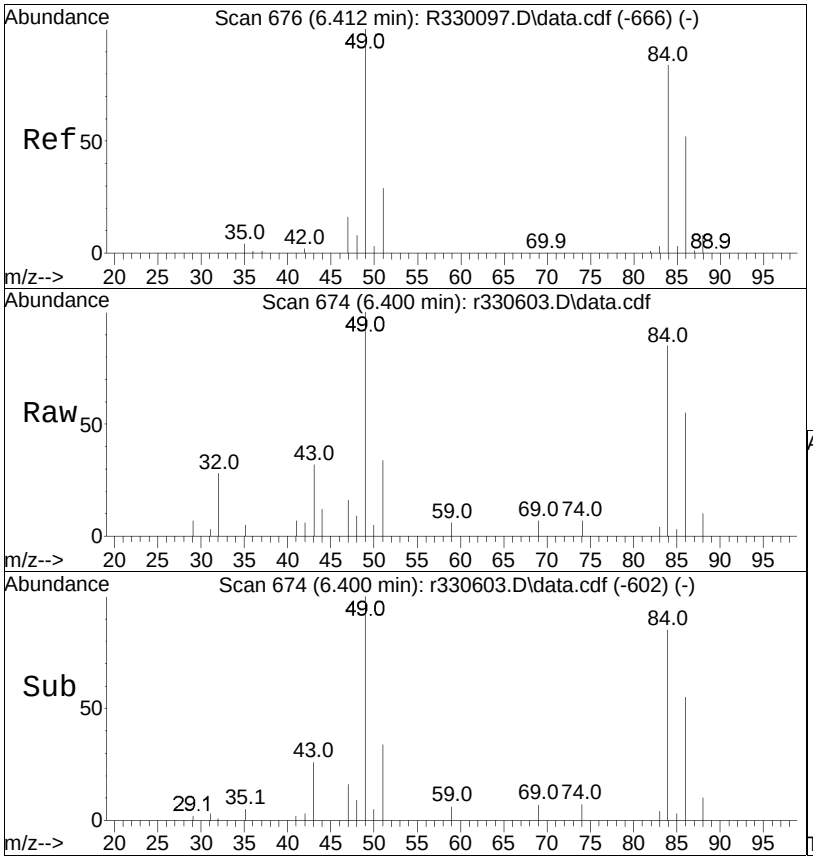


#27
tertiary butyl alcohol
Concen: 0.31 ppbV
RT: 6.328 min Scan# 662
Delta R.T. 0.012 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion: 59 Resp: 15379

Ion	Ratio	Lower	Upper
59	100		
41	23.0	20.4	30.6
43	12.0	9.4	14.0

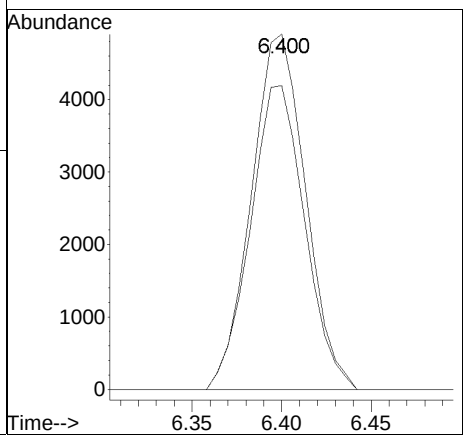


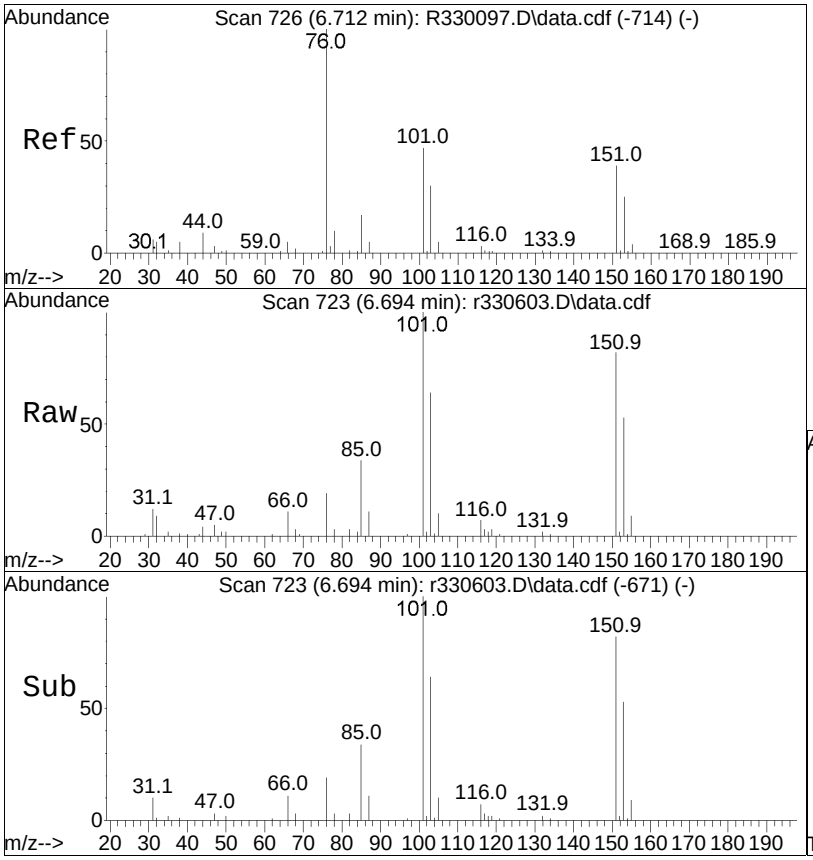


#28
methylene chloride
Concen: 0.37 ppbV
RT: 6.400 min Scan# 674
Delta R.T. -0.012 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion: 49 Resp: 10310

Ion	Ratio	Lower	Upper
49	100		
84	85.5	67.0	100.4

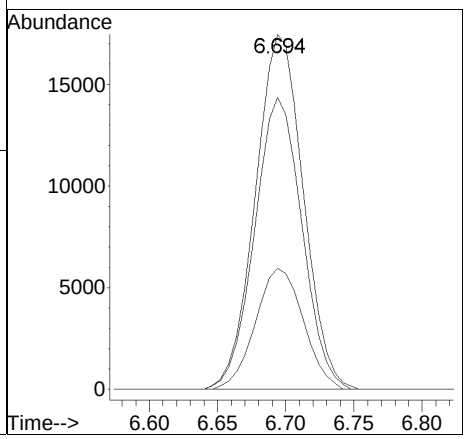


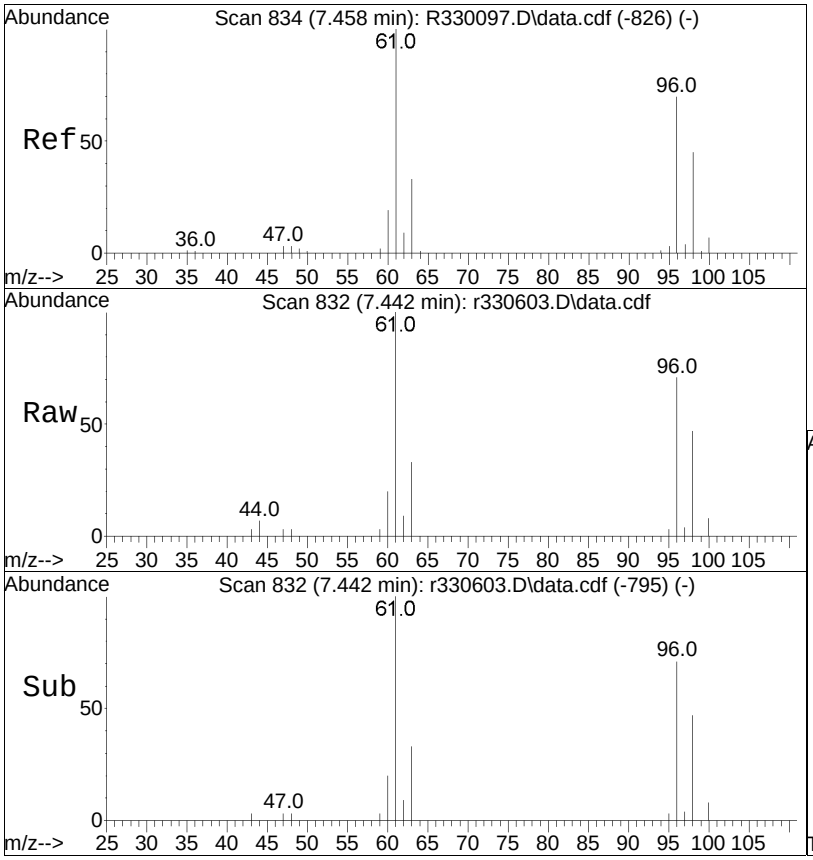


#31
Freon 113
Concen: 0.94 ppbV
RT: 6.694 min Scan# 723
Delta R.T. -0.018 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion:101 Resp: 42756

Ion	Ratio	Lower	Upper
101	100		
85	34.1	28.5	42.7
151	82.2	66.9	100.3

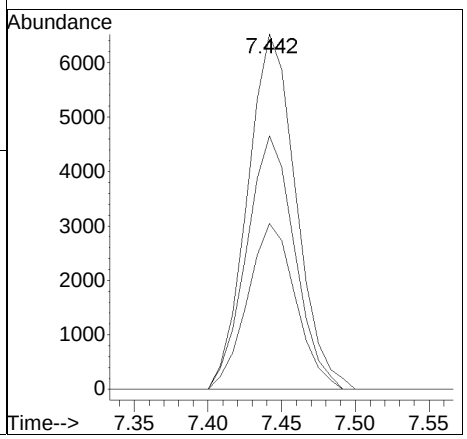


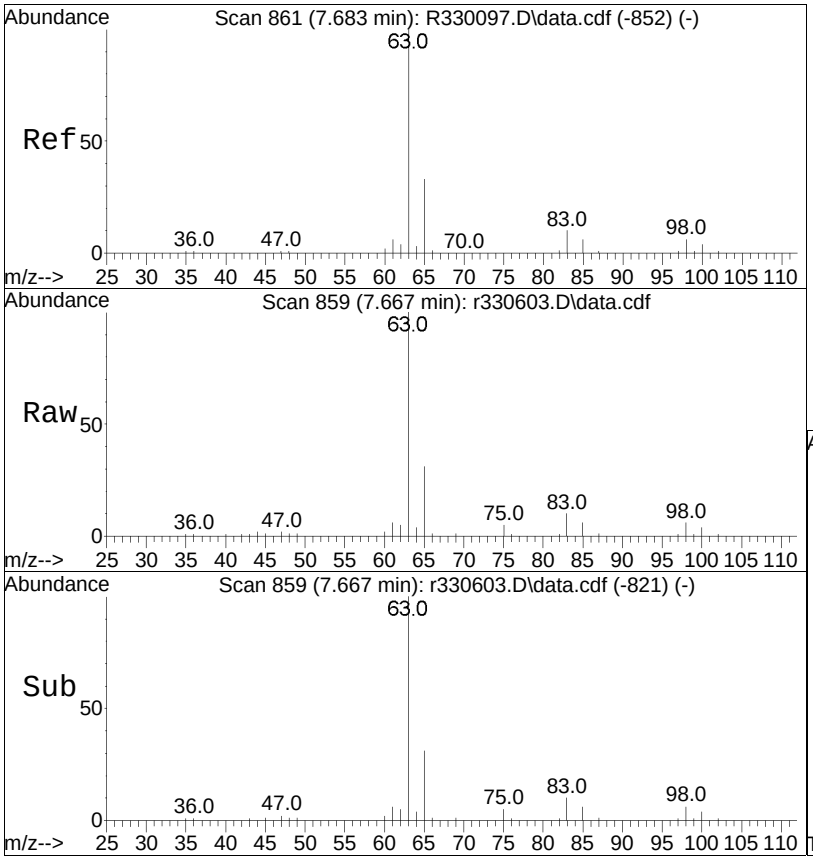


#32
trans-1,2-dichloroethene
Concen: 0.39 ppbV
RT: 7.442 min Scan# 832
Delta R.T. -0.017 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion: 61 Resp: 14968

Ion	Ratio	Lower	Upper
61	100		
96	71.3	55.8	83.8
98	46.7	36.4	54.6

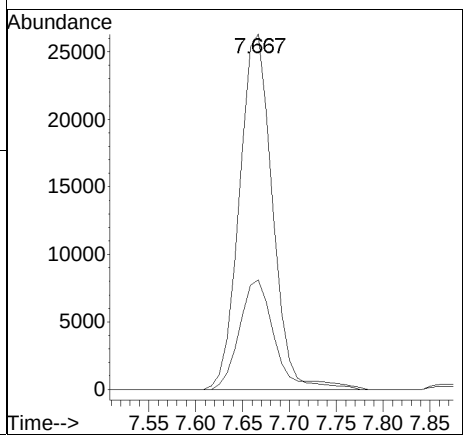


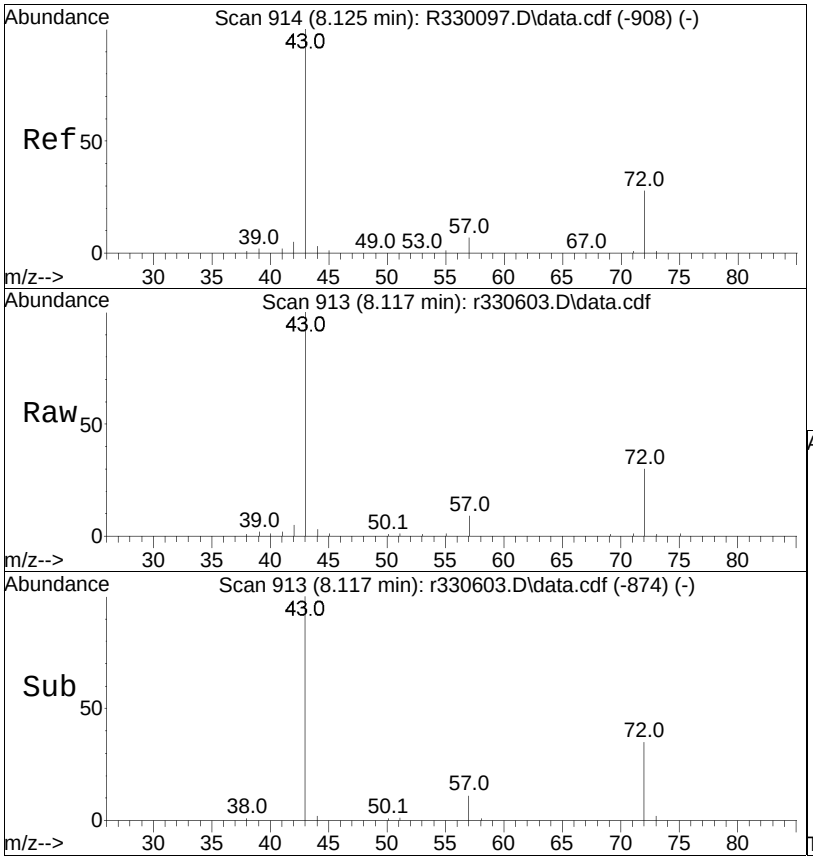


#33
1,1-dichloroethane
Concen: 1.28 ppbV
RT: 7.667 min Scan# 859
Delta R.T. -0.017 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion: 63 Resp: 64186

Ion	Ratio	Lower	Upper
63	100		
65	30.8	26.2	39.4

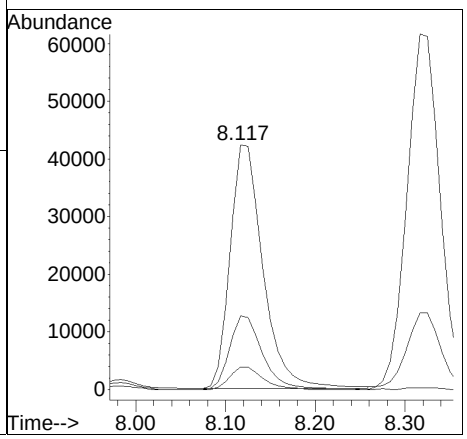


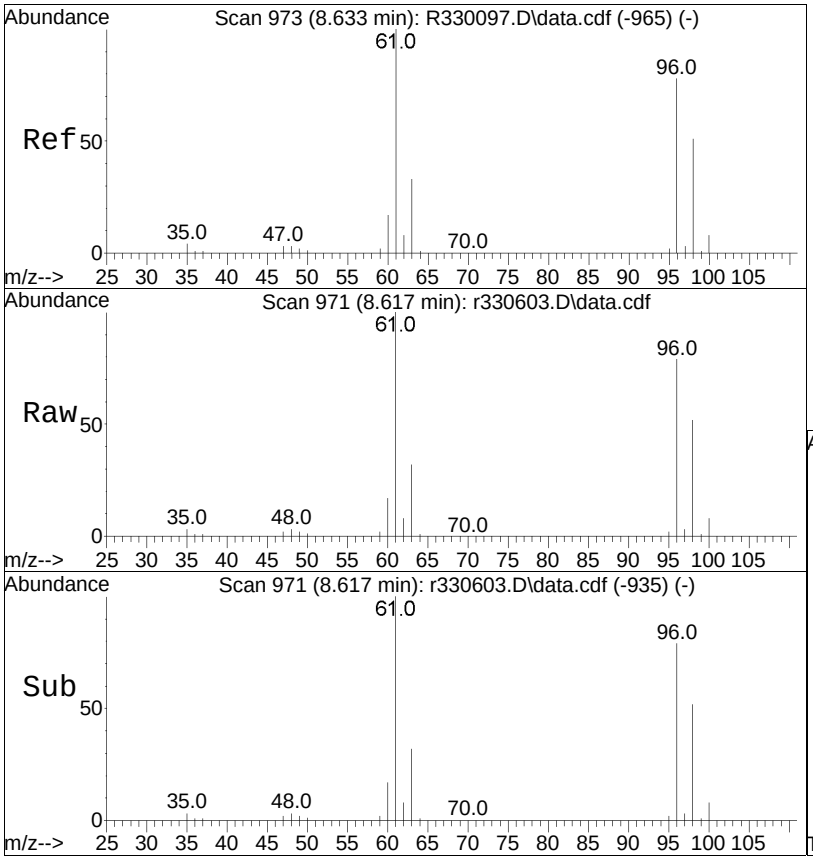


#36
2-butanone
Concen: 1.67 ppbV
RT: 8.117 min Scan# 913
Delta R.T. -0.008 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion: 43 Resp: 107917

Ion	Ratio	Lower	Upper
43	100		
72	30.1	22.1	33.1
57	9.2	5.3	7.9#

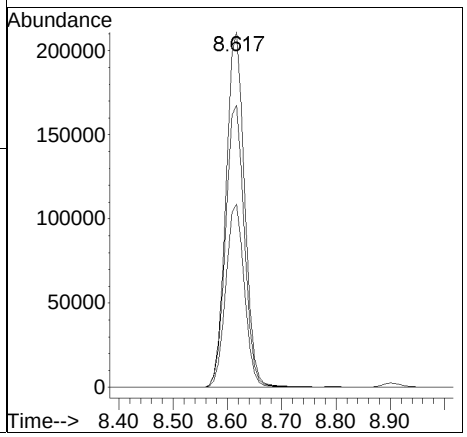


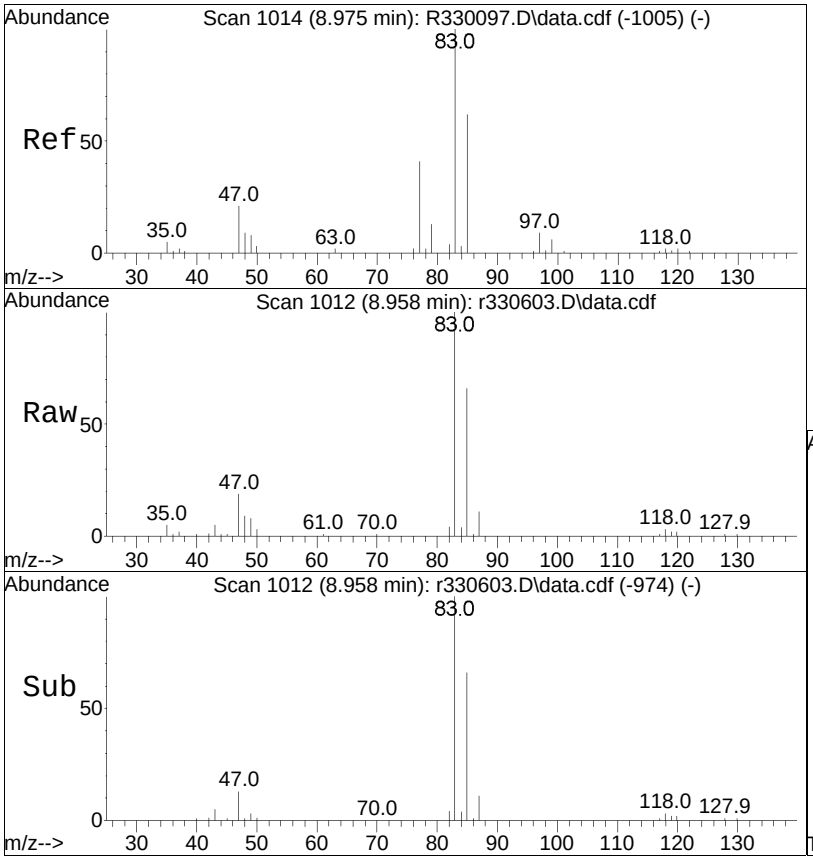


#37
cis-1,2-dichloroethene
Concen: 14.26 ppbV
RT: 8.617 min Scan# 971
Delta R.T. -0.017 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion: 61 Resp: 506191

Ion	Ratio	Lower	Upper
61	100		
96	79.5	62.6	94.0
98	51.6	40.7	61.1

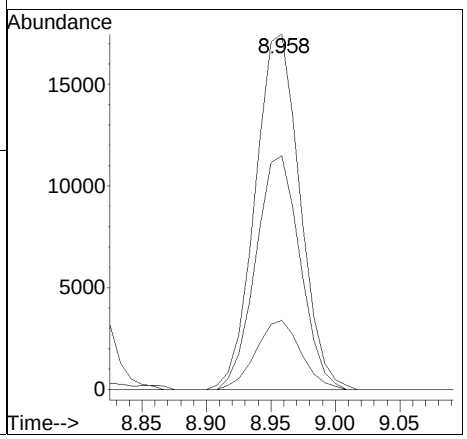


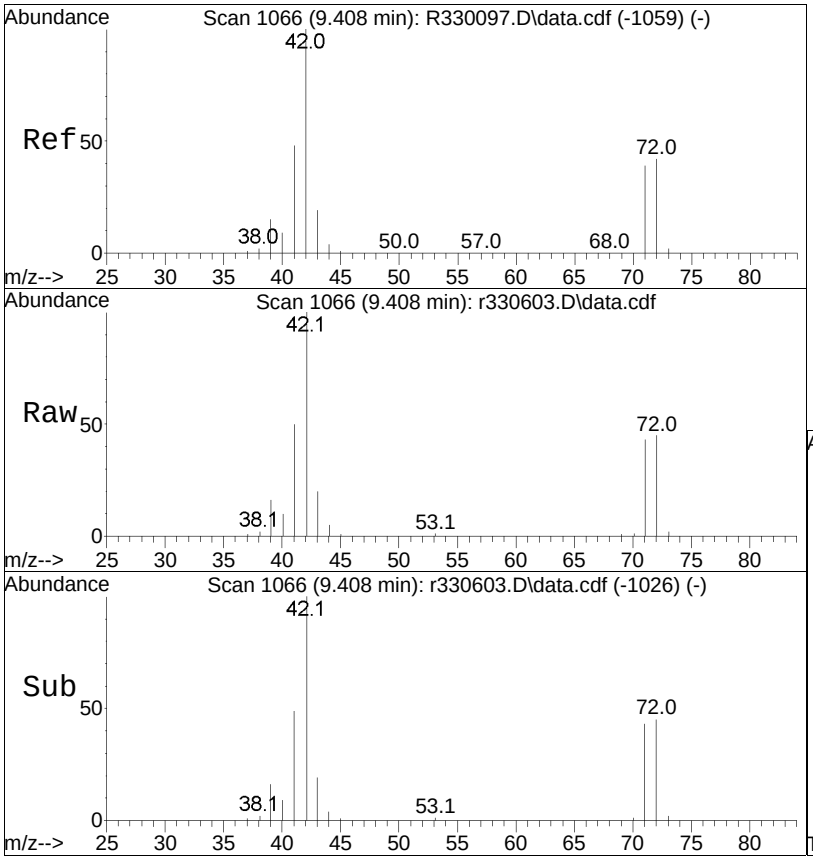


#39
chloroform
Concen: 0.99 ppbV
RT: 8.958 min Scan# 1012
Delta R.T. -0.017 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion: 83 Resp: 42212

Ion	Ratio	Lower	Upper
83	100		
85	65.8	49.8	74.8
47	19.4	16.8	25.2

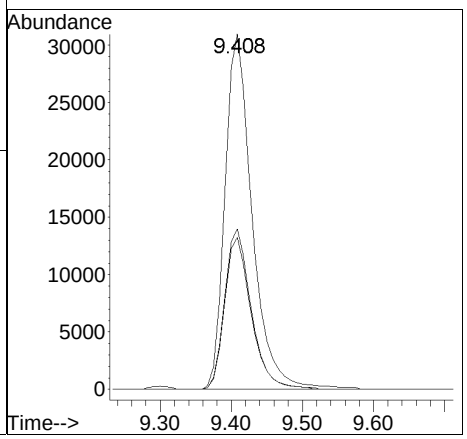


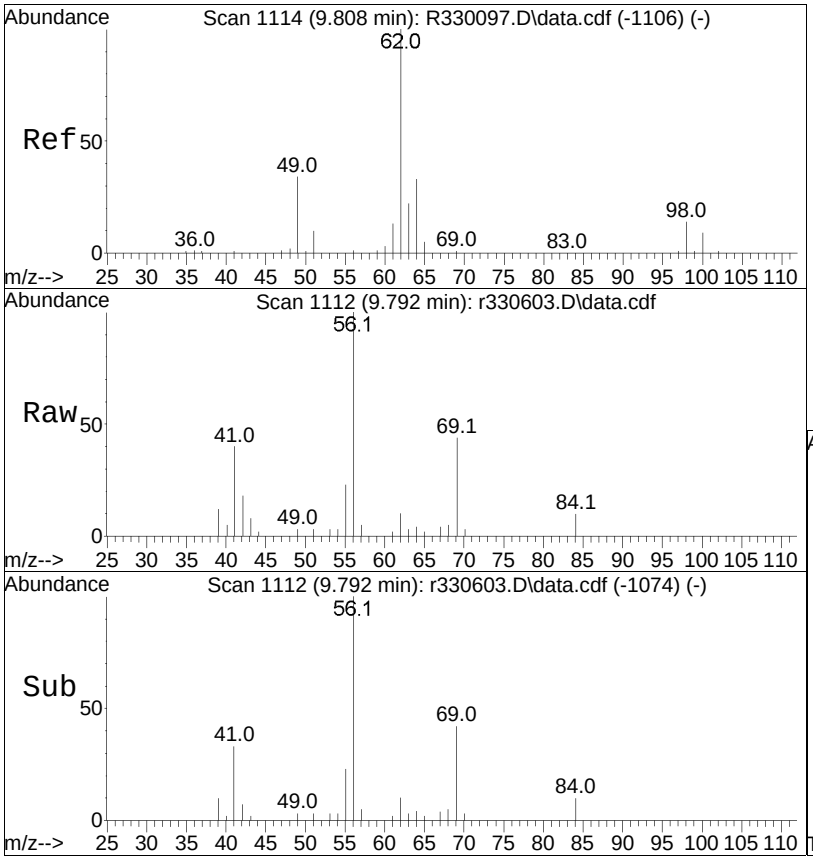


#40
Tetrahydrofuran
Concen: 1.98 ppbV
RT: 9.408 min Scan# 1066
Delta R.T. 0.000 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion: 42 Resp: 82451

Ion	Ratio	Lower	Upper
42	100		
71	42.8	31.0	46.4
72	45.2	33.4	50.2

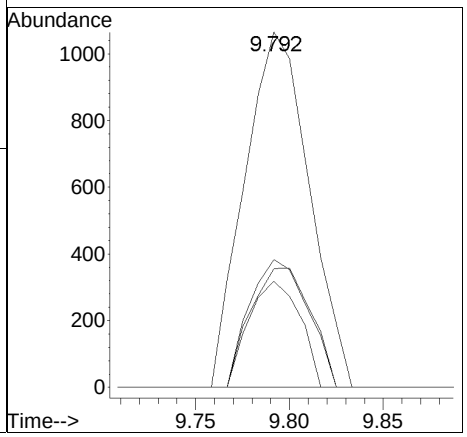


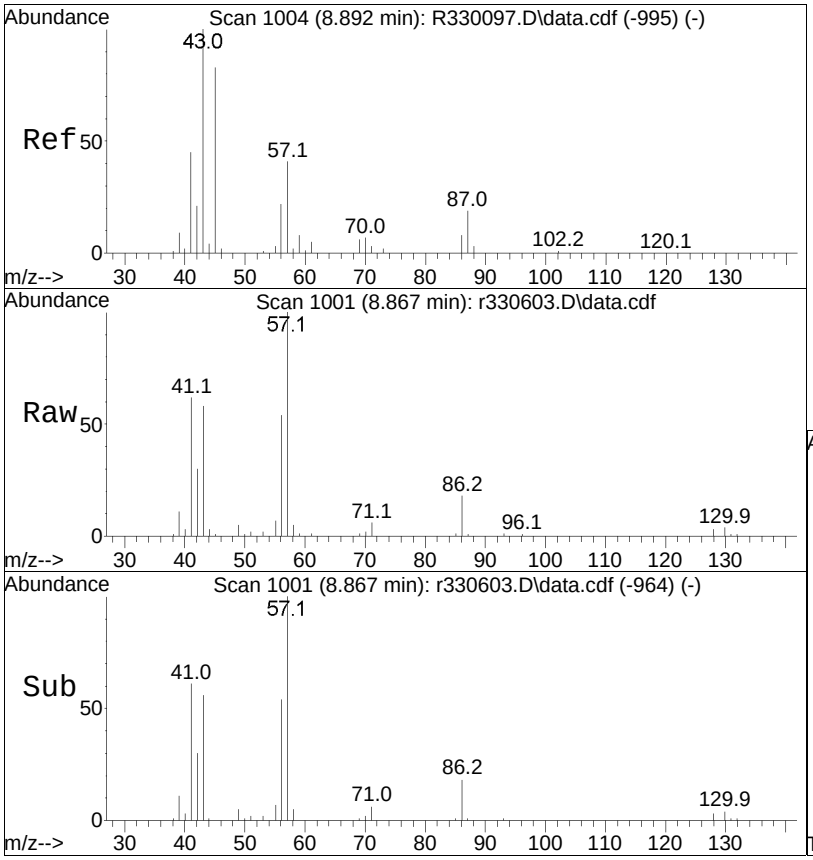


#42
1,2-dichloroethane
Concen: 0.09 ppbV
RT: 9.792 min Scan# 1112
Delta R.T. -0.016 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion: 62 Resp: 2549

Ion	Ratio	Lower	Upper
62	100		
64	36.0	26.9	40.3
49	33.4	26.8	40.2
63	29.9	17.5	26.3#

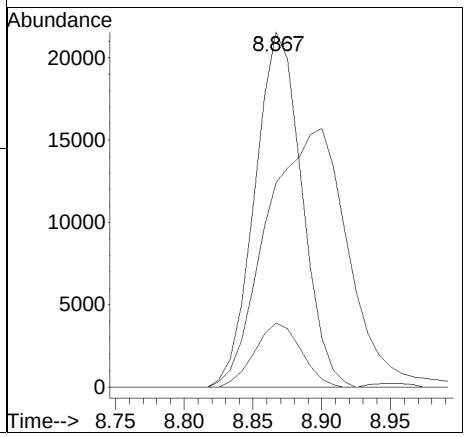


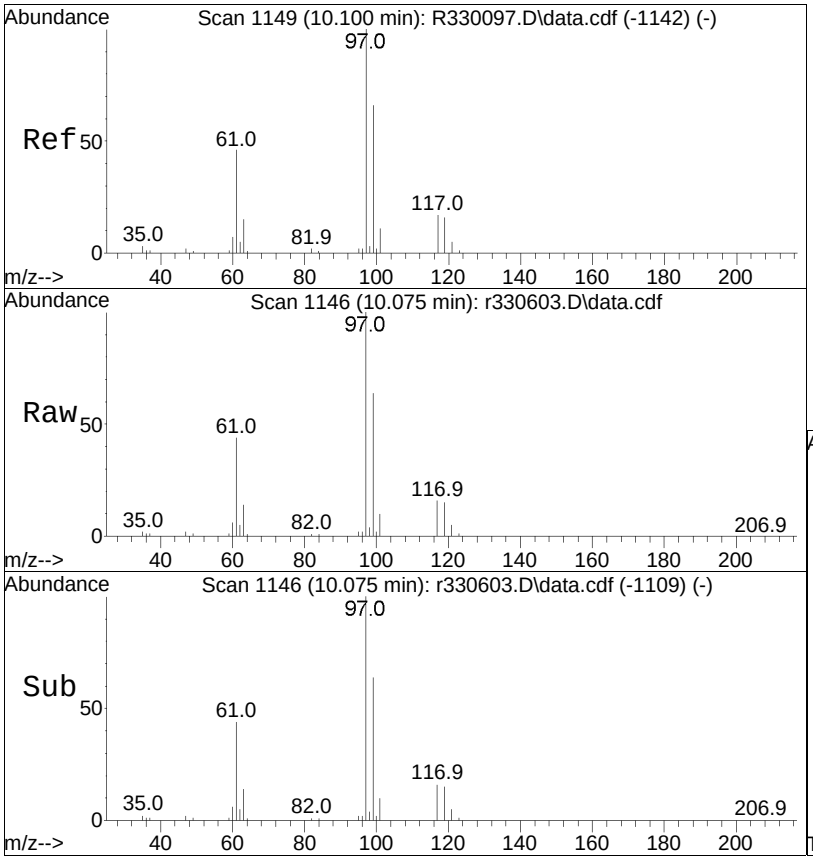


#44
hexane
Concen: 1.16 ppbV
RT: 8.867 min Scan# 1001
Delta R.T. -0.025 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion: 57 Resp: 51398

Ion	Ratio	Lower	Upper
57	100		
43	57.5	196.5	294.7#
86	18.1	15.8	23.6

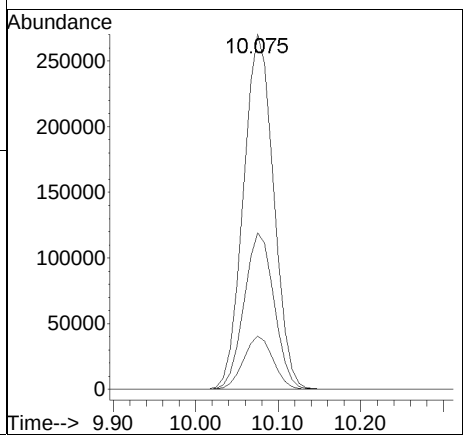


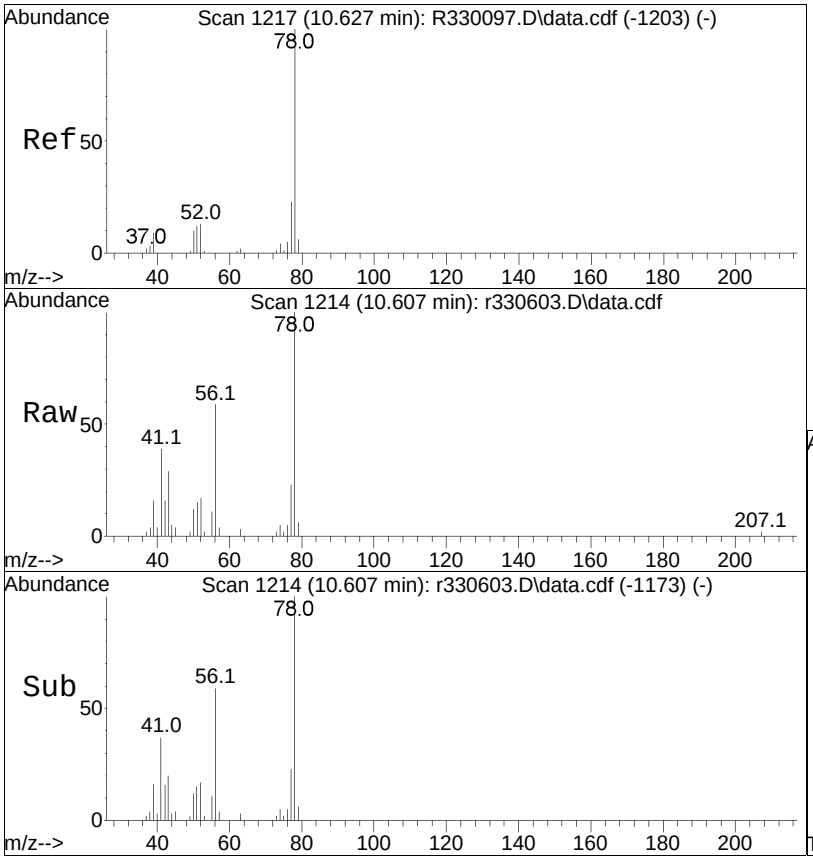


#48
1,1,1-trichloroethane
Concen: 19.32 ppbV
RT: 10.075 min Scan# 1146
Delta R.T. -0.025 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion: 97 Resp: 688236

Ion	Ratio	Lower	Upper
97	100		
61	44.1	36.6	54.8
119	15.0	13.0	19.4

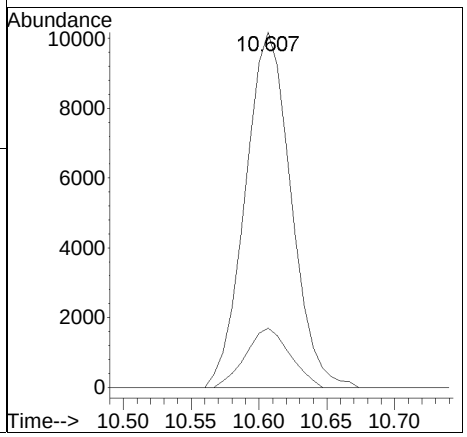


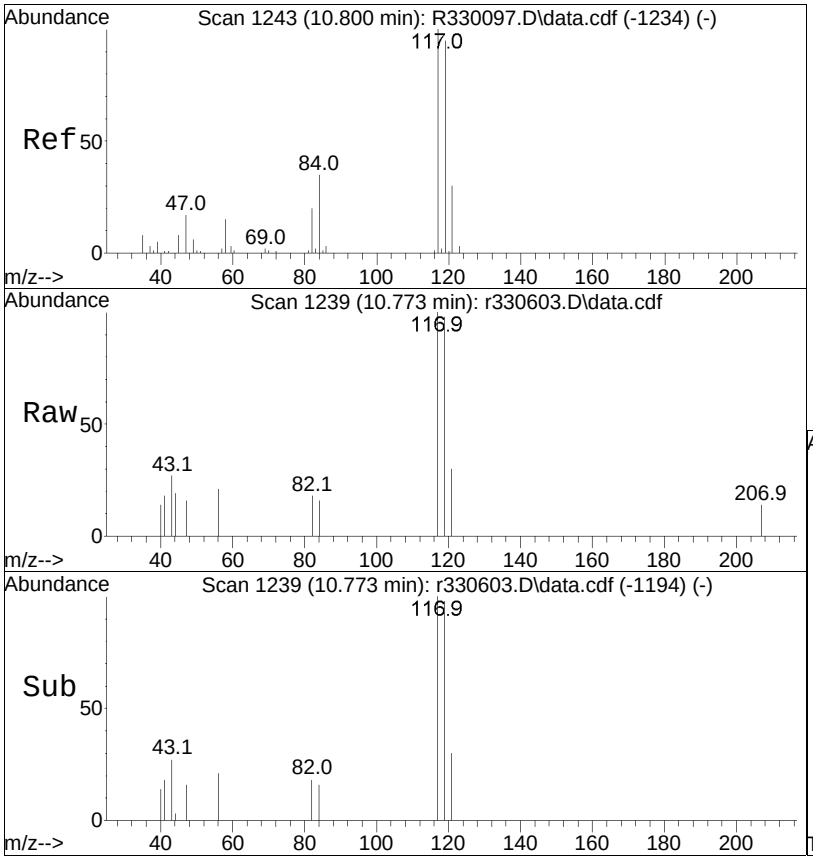


#50
benzene
Concen: 0.24 ppbV
RT: 10.607 min Scan# 1214
Delta R.T. -0.020 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion: 78 Resp: 23883

Ion	Ratio	Lower	Upper
78	100		
52	16.7	10.4	15.6#

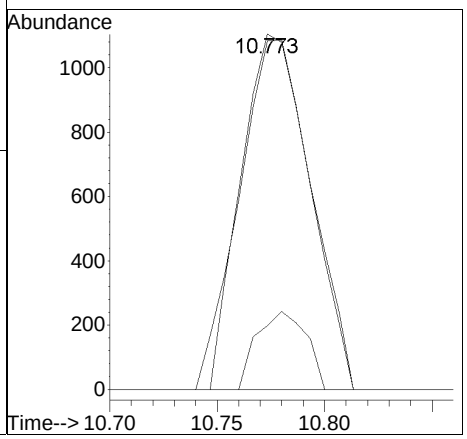


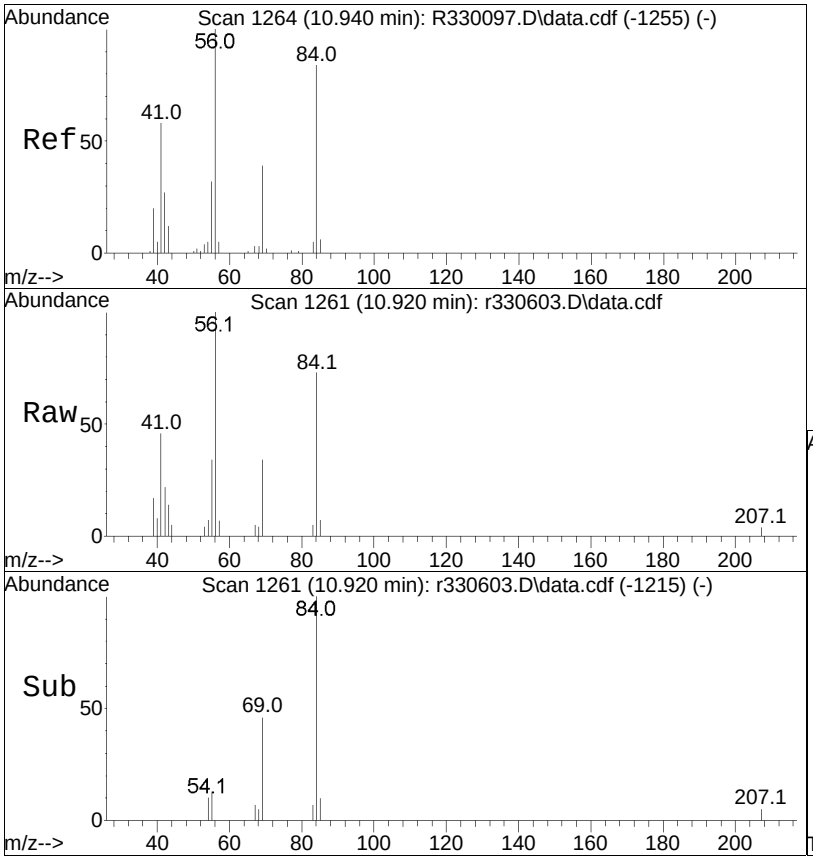


#52
carbon tetrachloride
Concen: 0.08 ppbV
RT: 10.773 min Scan# 1239
Delta R.T. -0.027 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion:117 Resp: 2470

Ion	Ratio	Lower	Upper
117	100		
119	98.1	75.8	113.8
82	17.9	16.5	24.7

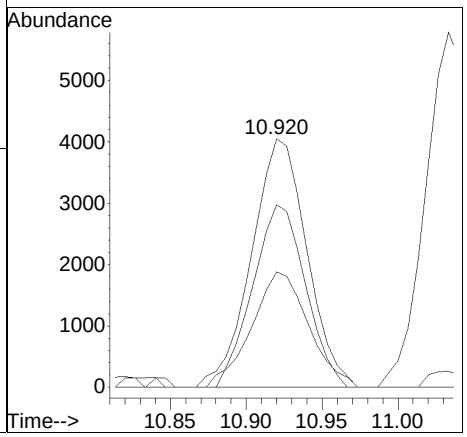


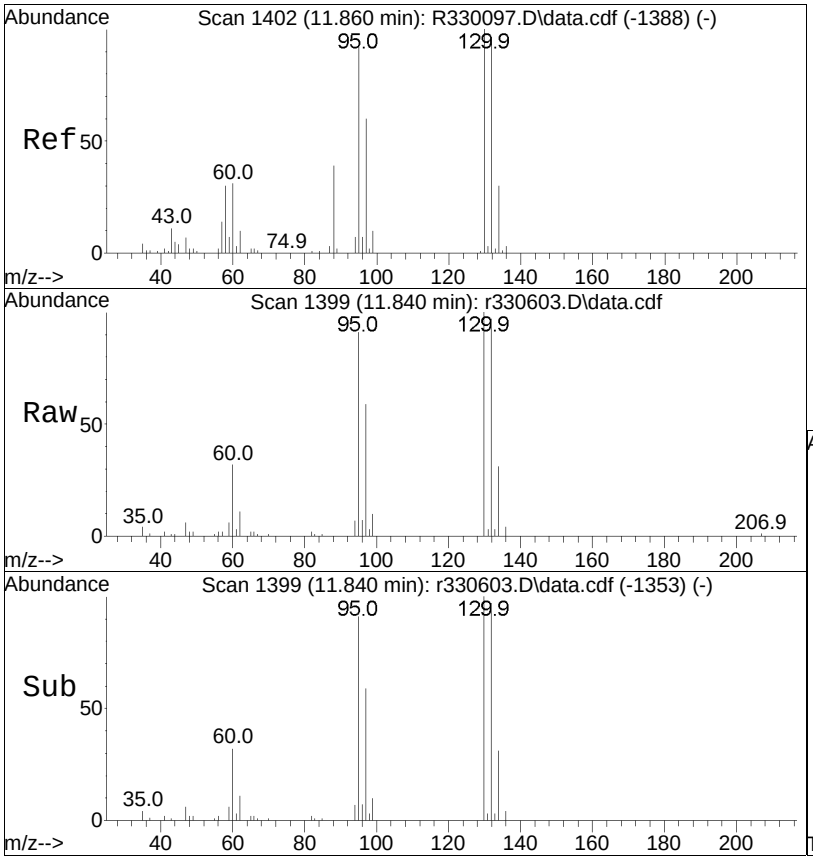


#53
cyclohexane
Concen: 0.22 ppbV
RT: 10.920 min Scan# 1261
Delta R.T. -0.020 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion: 56 Resp: 10287

Ion	Ratio	Lower	Upper
56	100		
84	73.5	67.4	101.2
41	46.4	46.4	69.6

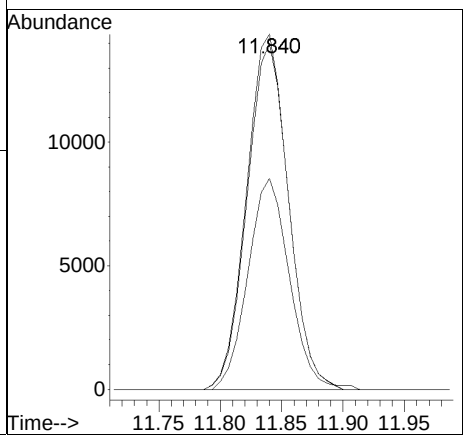


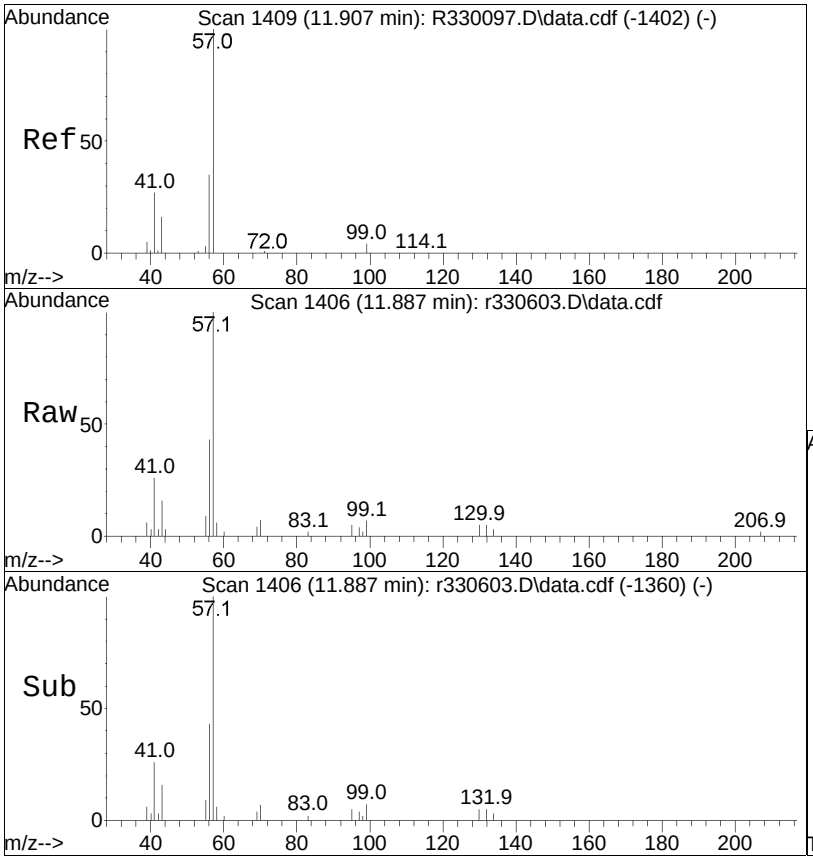


#59
trichloroethene
Concen: 0.98 ppbV
RT: 11.840 min Scan# 1399
Delta R.T. -0.020 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion:130 Resp: 34088

Ion	Ratio	Lower	Upper
130	100		
132	97.4	76.3	114.5
97	59.4	47.8	71.6

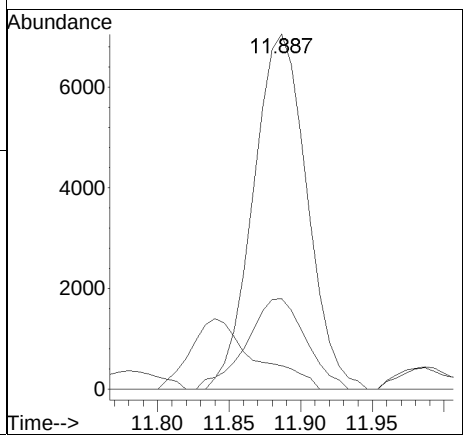


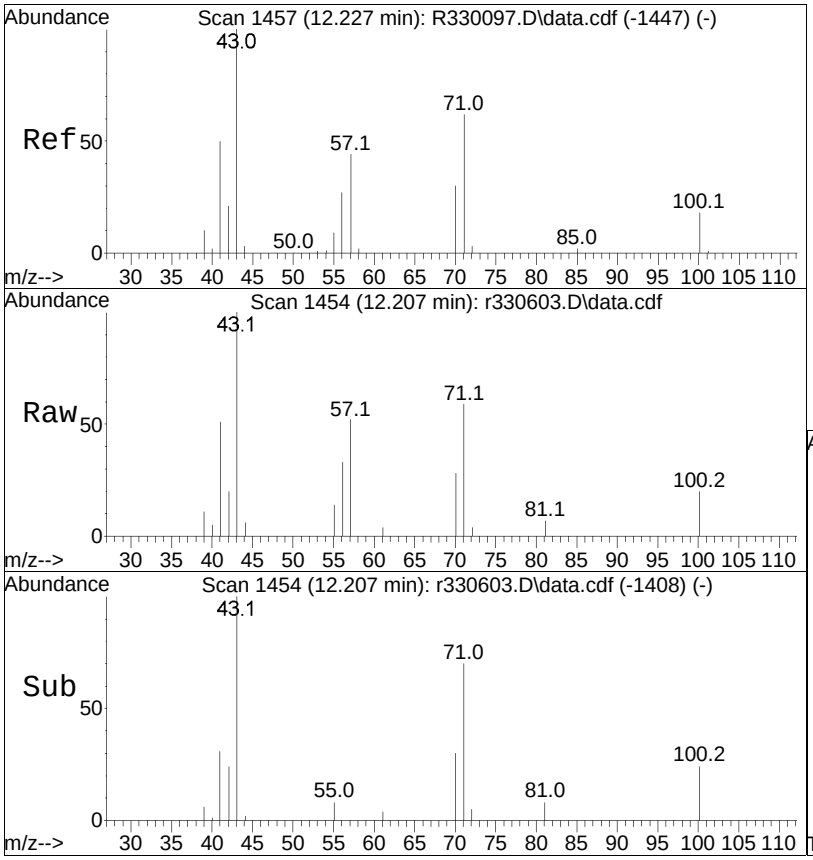


#60
2,2,4-trimethylpentane
Concen: 0.13 ppbV
RT: 11.887 min Scan# 1406
Delta R.T. -0.020 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion: 57 Resp: 18408

Ion	Ratio	Lower	Upper
57	100		
99	6.7	5.3	7.9
41	25.5	21.4	32.0

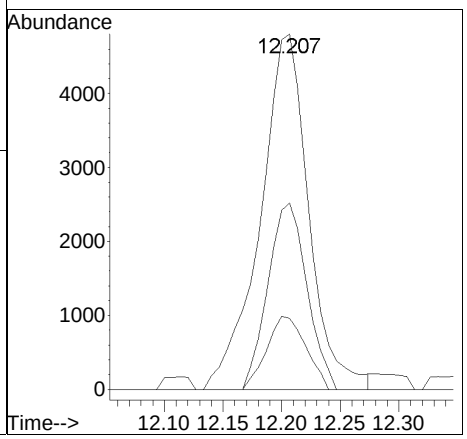


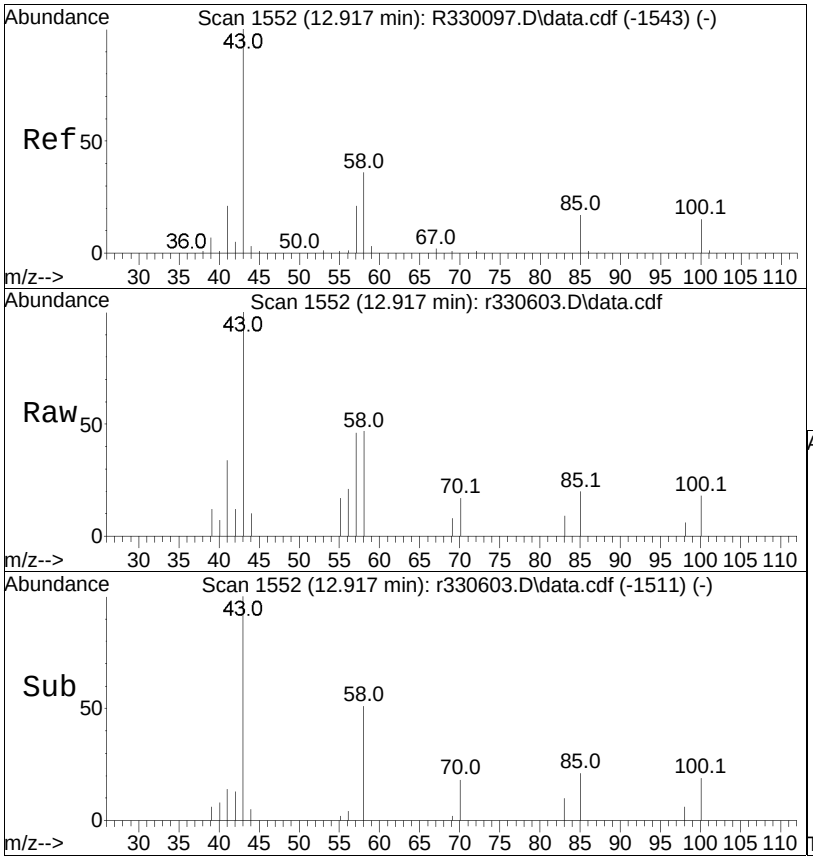


#62
heptane
Concen: 0.22 ppbV
RT: 12.207 min Scan# 1454
Delta R.T. -0.020 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion: 43 Resp: 13848

Ion	Ratio	Lower	Upper
43	100		
57	52.4	34.9	52.3#
100	20.0	14.9	22.3

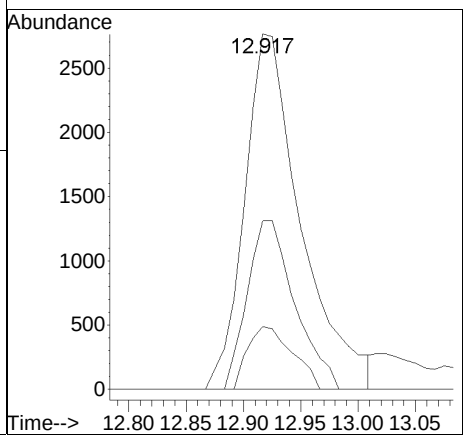


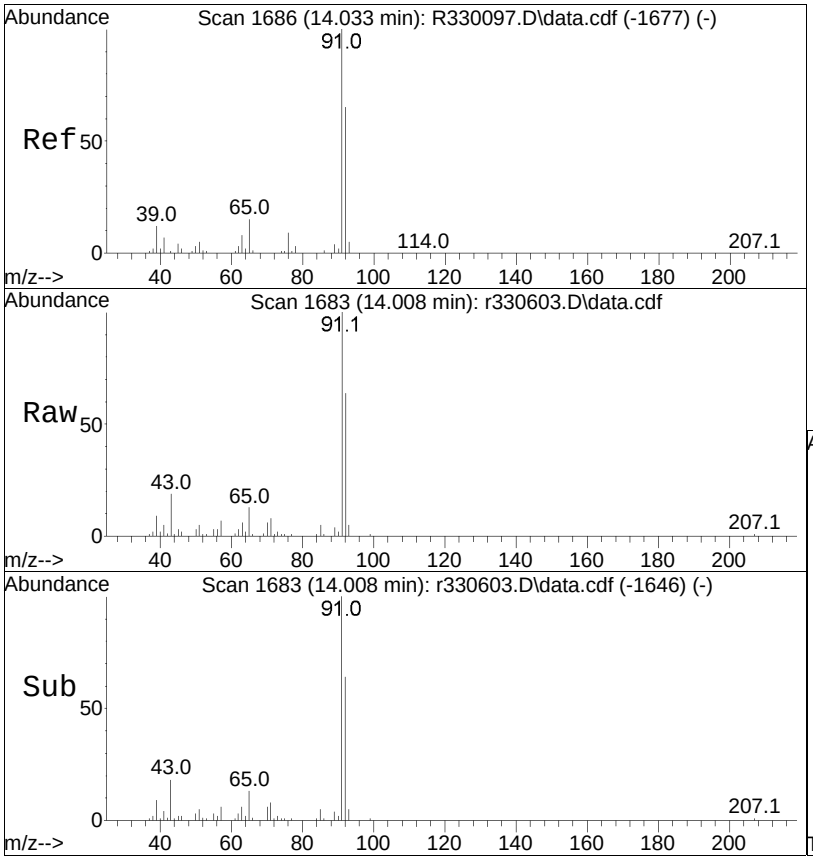


#64
4-methyl-2-pentanone
Concen: 0.12 ppbV
RT: 12.917 min Scan# 1552
Delta R.T. 0.000 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion: 43 Resp: 9447

Ion	Ratio	Lower	Upper
43	100		
58	47.4	29.1	43.7#
100	17.7	12.2	18.4

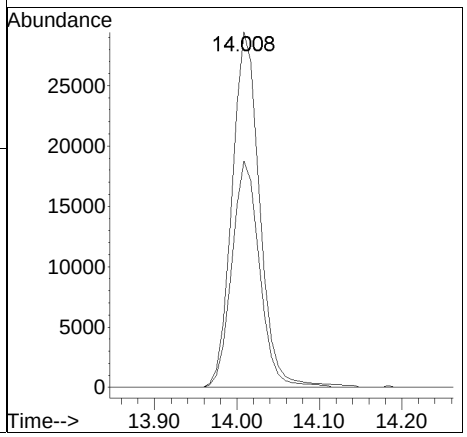


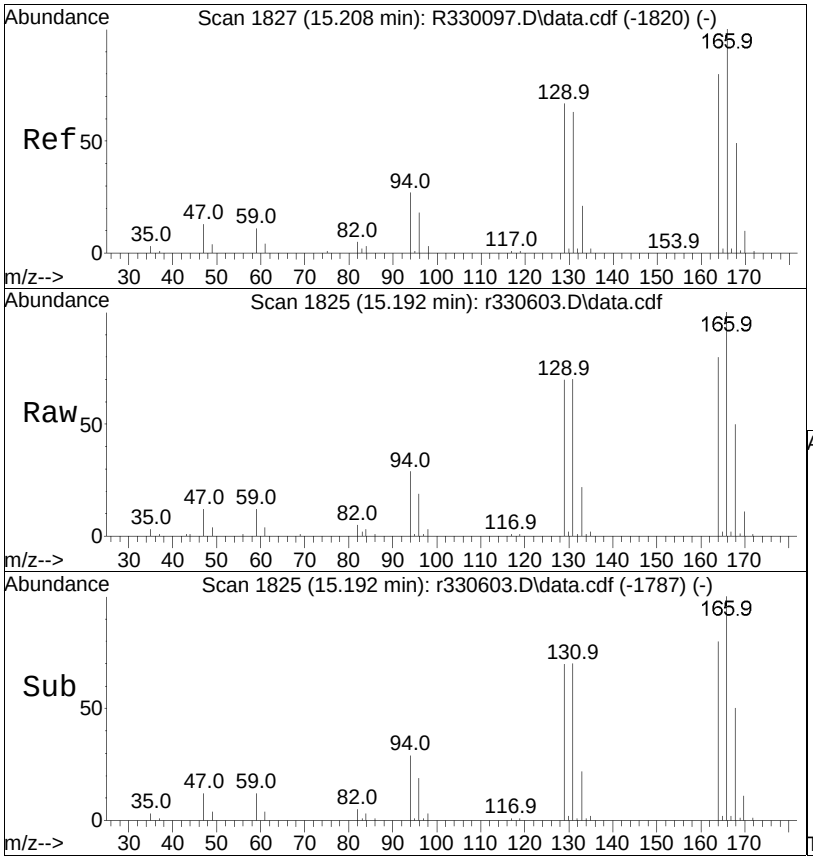


#68
toluene
Concen: 0.57 ppbV
RT: 14.008 min Scan# 1683
Delta R.T. -0.025 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion: 91 Resp: 68759

Ion	Ratio	Lower	Upper
91	100		
92	63.7	52.1	78.1

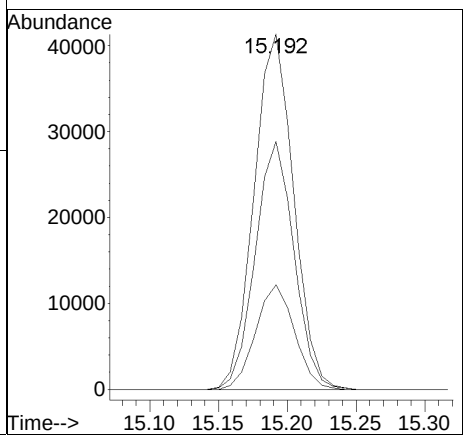


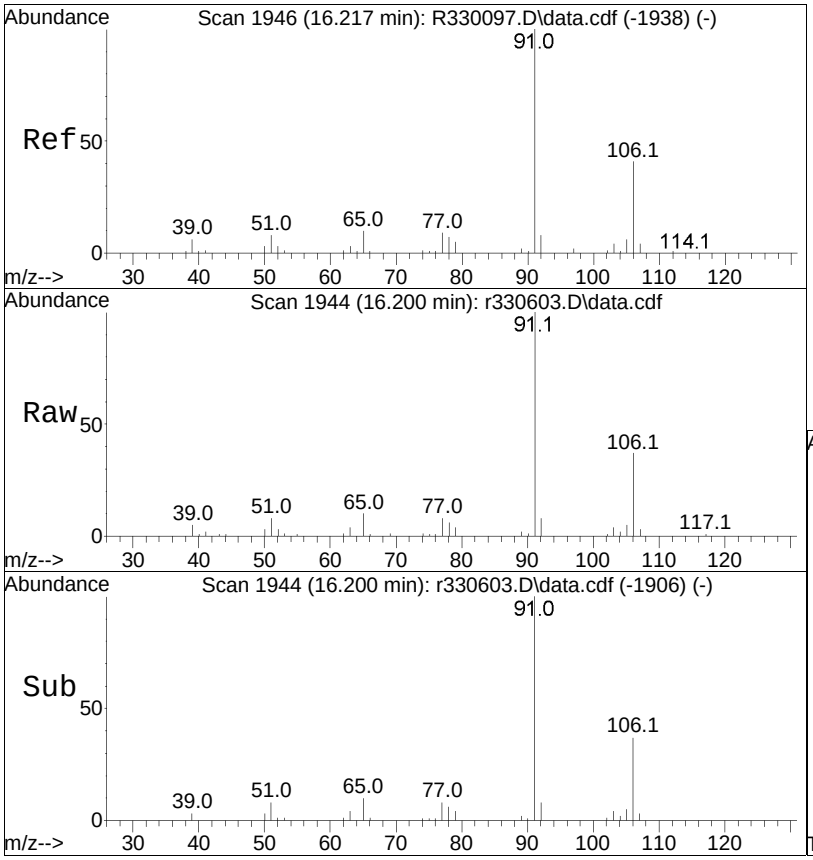


#78
tetrachloroethene
Concen: 1.52 ppbV
RT: 15.192 min Scan# 1825
Delta R.T. -0.017 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion:166 Resp: 82844

Ion	Ratio	Lower	Upper
166	100		
131	69.8	50.6	75.8
94	29.4	21.4	32.2

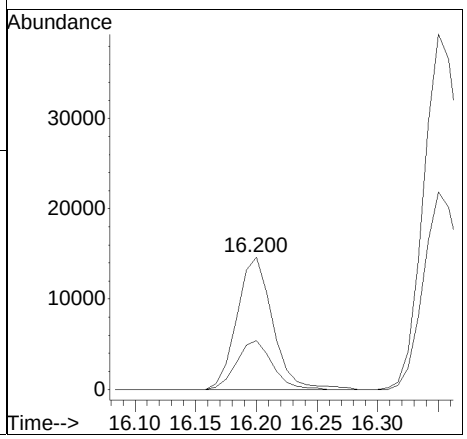


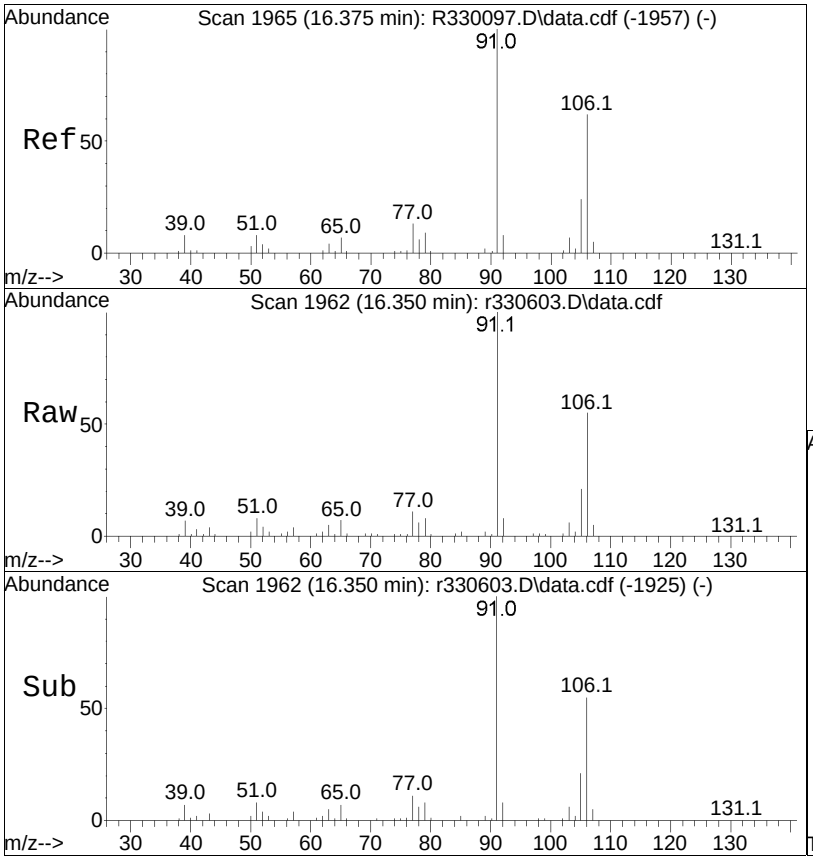


#81
ethylbenzene
Concen: 0.20 ppbV
RT: 16.200 min Scan# 1944
Delta R.T. -0.017 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion: 91 Resp: 29980

Ion	Ratio	Lower	Upper
91	100		
106	36.9	32.6	49.0

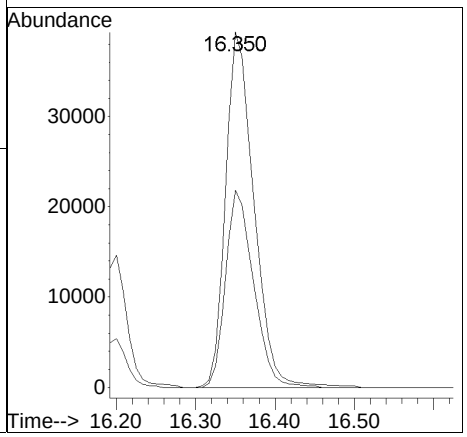


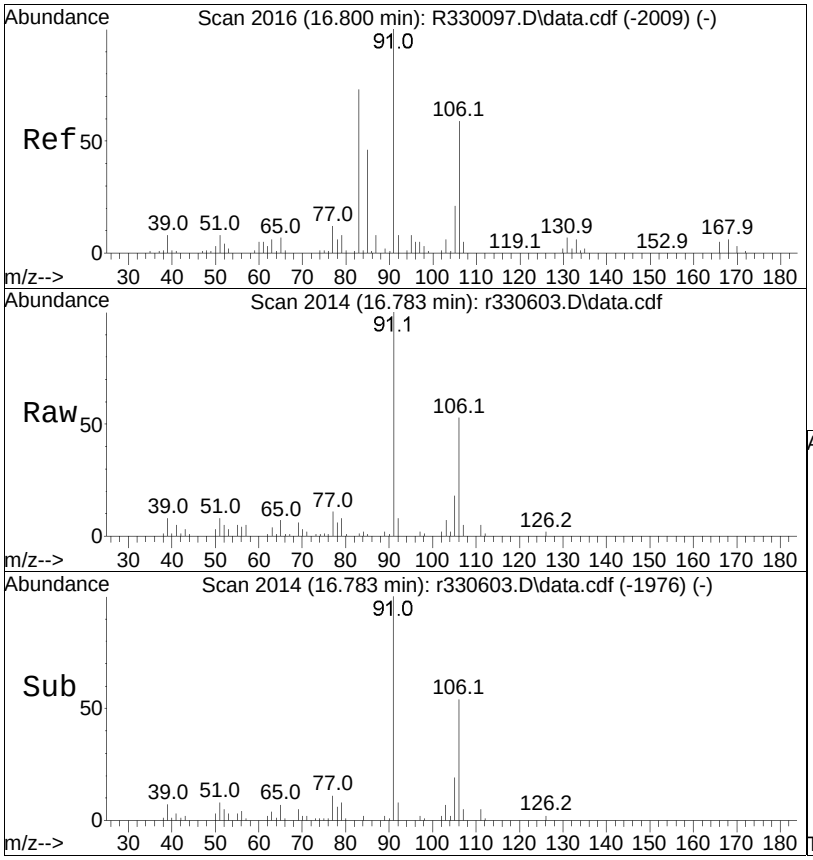


#83
m+p-xylene
Concen: 0.80 ppbV
RT: 16.350 min Scan# 1962
Delta R.T. -0.025 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion: 91 Resp: 97592

Ion	Ratio	Lower	Upper
91	100		
106	55.5	49.2	73.8

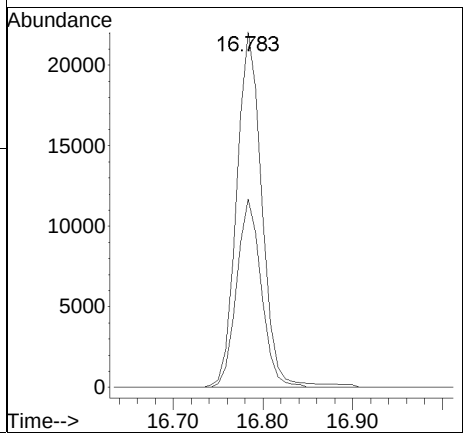


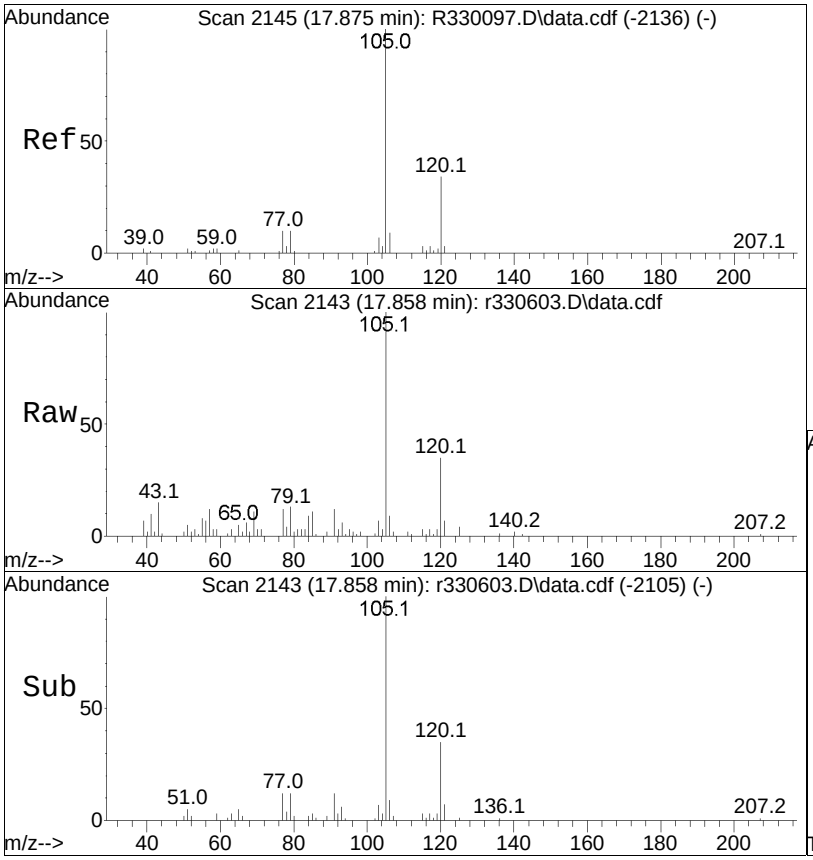


#87
o-xylene
Concen: 0.36 ppbV
RT: 16.783 min Scan# 2014
Delta R.T. -0.017 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion: 91 Resp: 43347

Ion	Ratio	Lower	Upper
91	100		
106	53.0	47.5	71.3

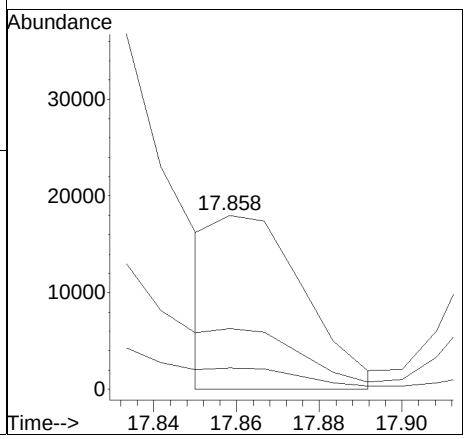


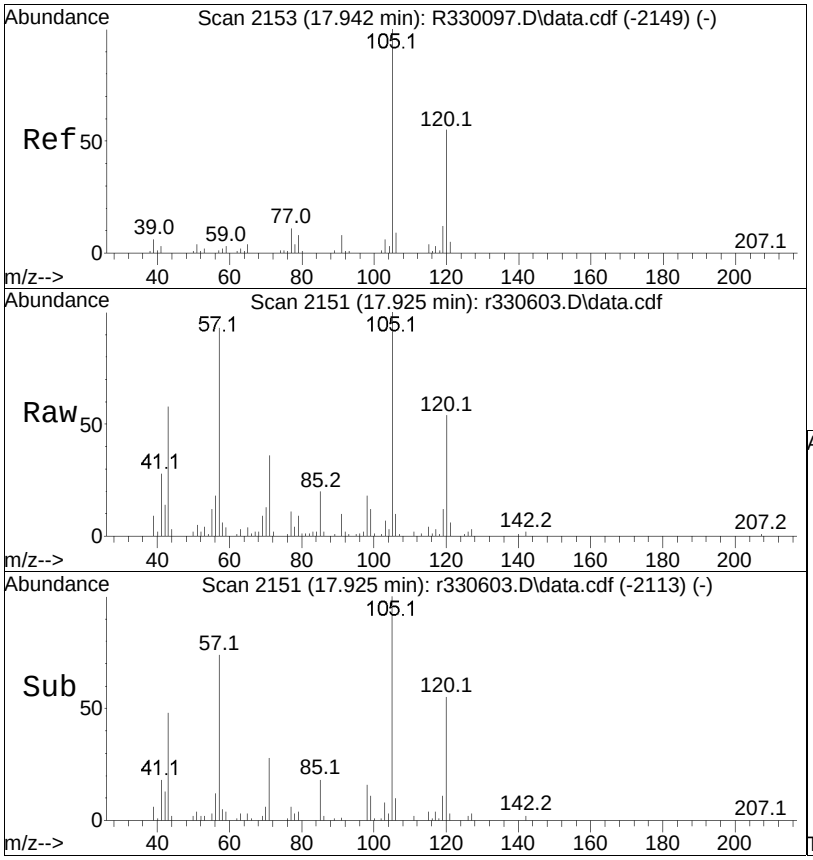


#96
4-ethyl toluene
Concen: 0.15 ppbV m
RT: 17.858 min Scan# 2143
Delta R.T. -0.017 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion:105 Resp: 26822

Ion	Ratio	Lower	Upper
105	100		
120	35.0	27.2	40.8
91	12.3	7.1	10.7#

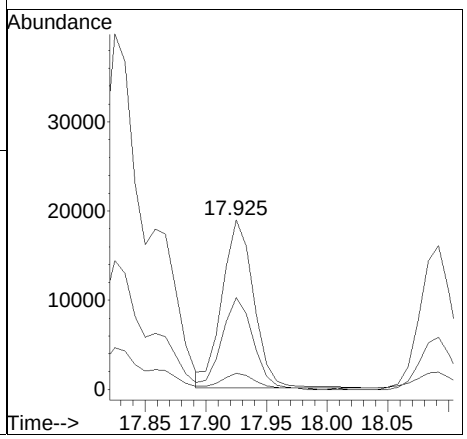


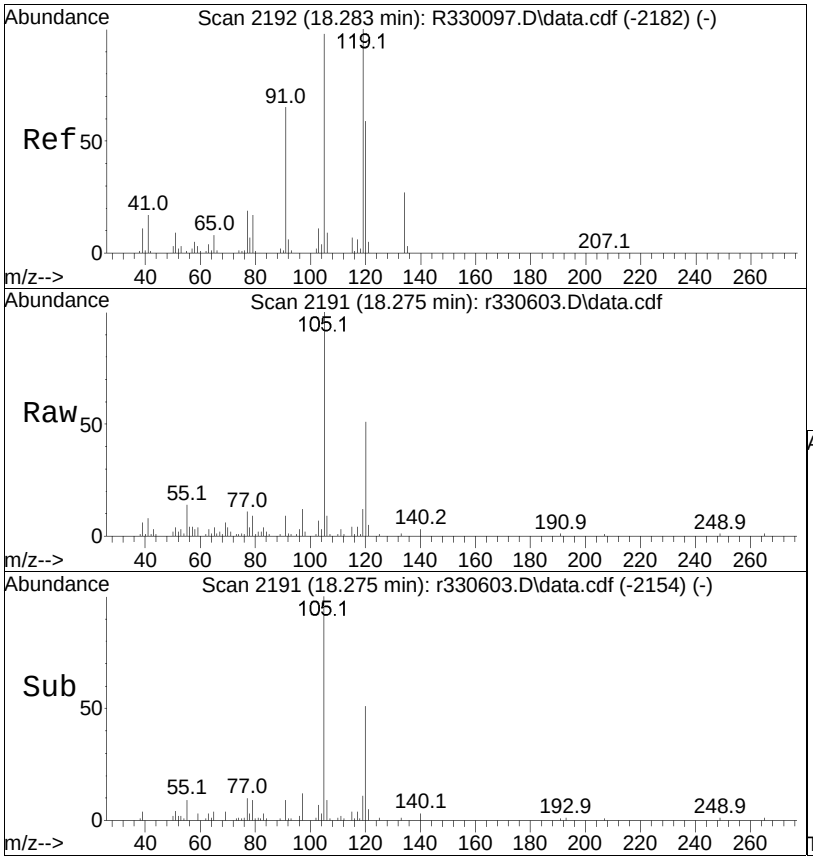


#97
1,3,5-trimethylbenzene
Concen: 0.22 ppbV
RT: 17.925 min Scan# 2151
Delta R.T. -0.017 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion:105 Resp: 34356

Ion	Ratio	Lower	Upper
105	100		
120	54.1	43.1	64.7
91	9.6	6.8	10.2

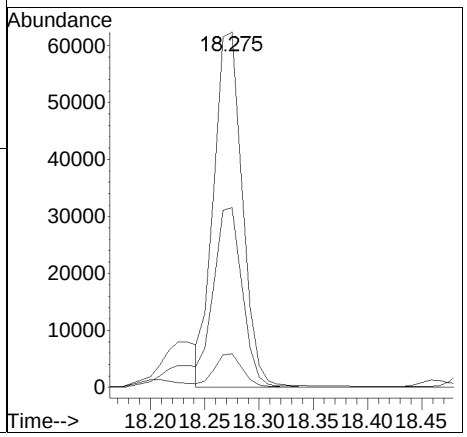


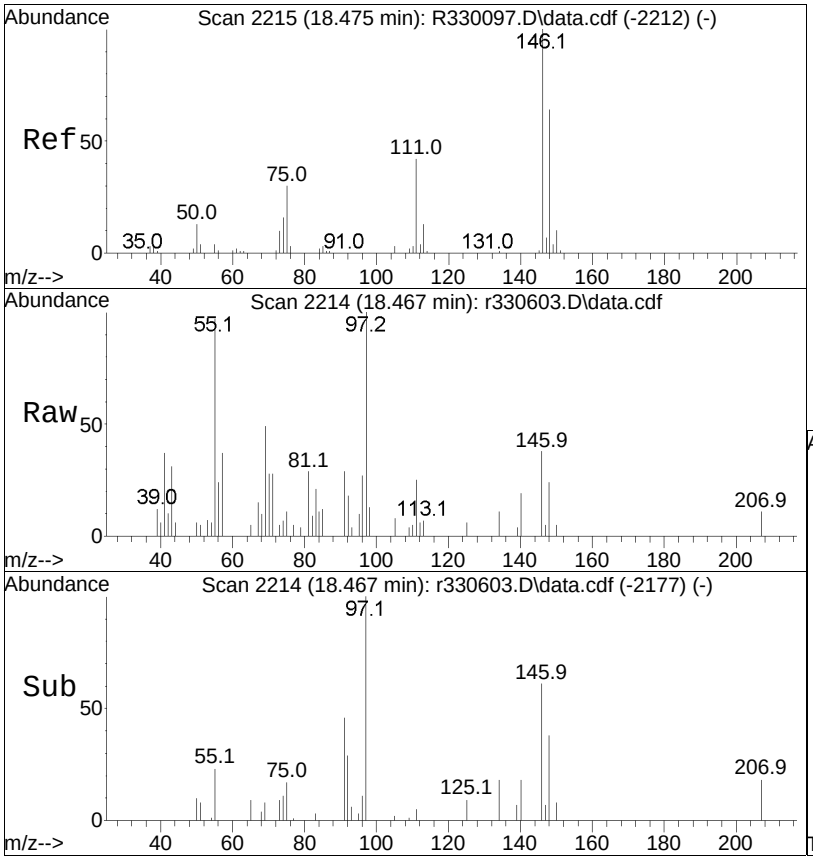


#99
1,2,4-trimethylbenzene
Concen: 0.77 ppbV m
RT: 18.275 min Scan# 2191
Delta R.T. -0.008 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion:105 Resp: 115843

Ion	Ratio	Lower	Upper
105	100		
120	50.6	47.8	71.8
91	9.5	53.4	80.0#

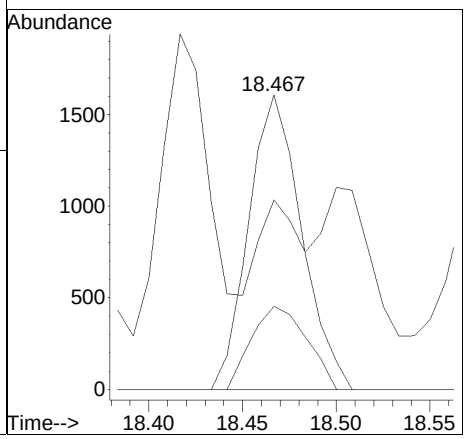


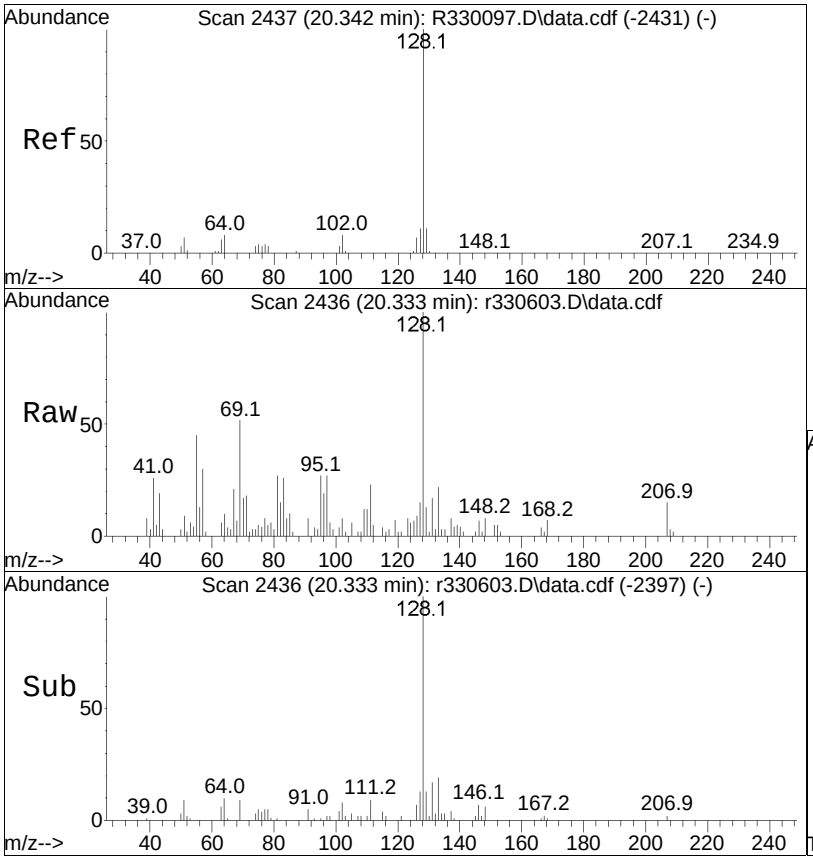


#103
1,4-dichlorobenzene
Concen: 0.03 ppbV
RT: 18.467 min Scan# 2214
Delta R.T. -0.008 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion:146 Resp: 3160

Ion	Ratio	Lower	Upper
146	100		
111	64.3	33.4	50.0#
75	28.3	23.6	35.4

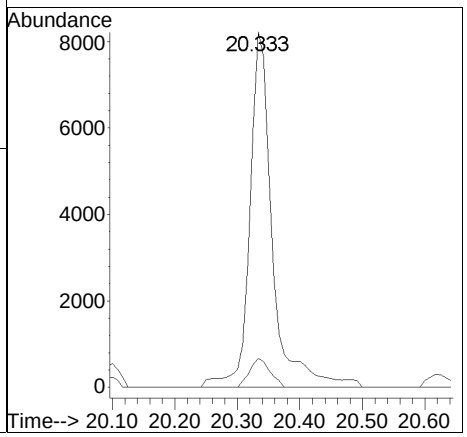




#116
naphthalene
Concen: 0.11 ppbV
RT: 20.333 min Scan# 2436
Delta R.T. -0.008 min
Lab File: r330603.D
Acq: 25 Apr 2024 3:11 AM

Tgt Ion:128 Resp: 20766

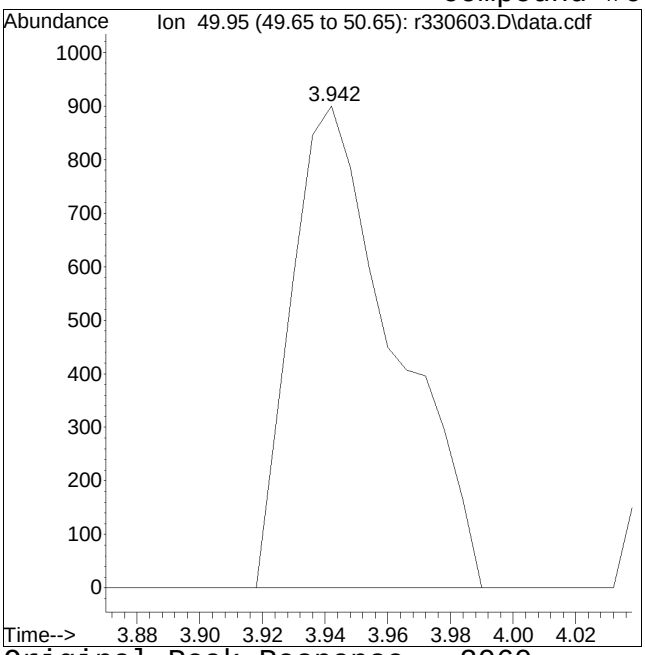
Ion	Ratio	Lower	Upper
128	100		
102	8.2	6.3	9.5



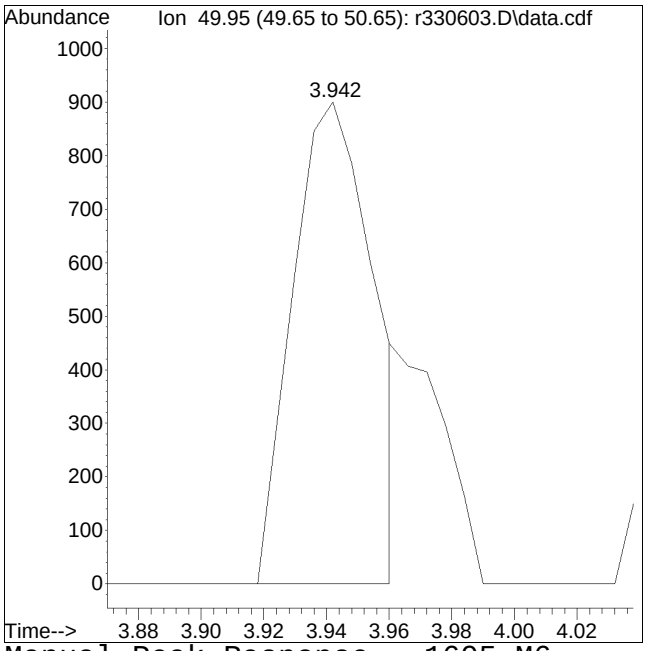
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : r330603.D Operator : AIRPIANO3:KJD
Date Inj'd : 4/25/2020 0:3: 1 Instrument :
Sample : L2419731-10,3,250,250 Quant Date : 4/25/2024 7:37 am

Compound #6: chloromethane



Original Peak Response = 2060



Manual Peak Response = 1605 M6

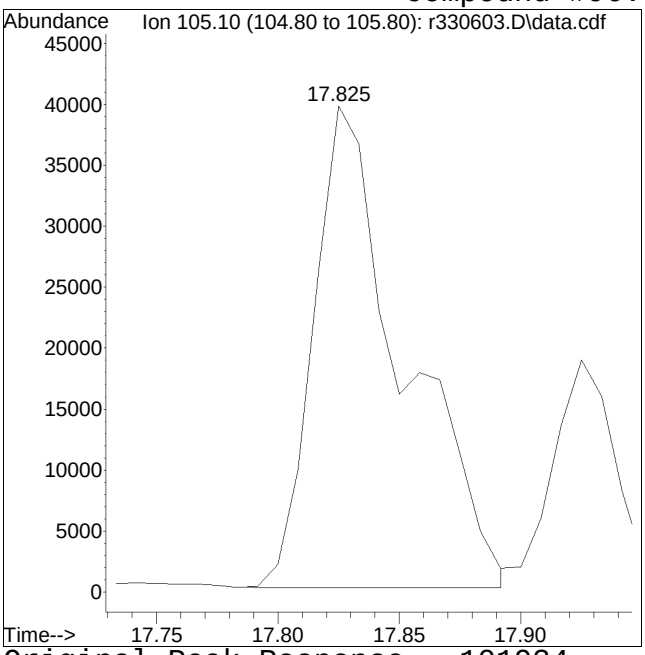
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

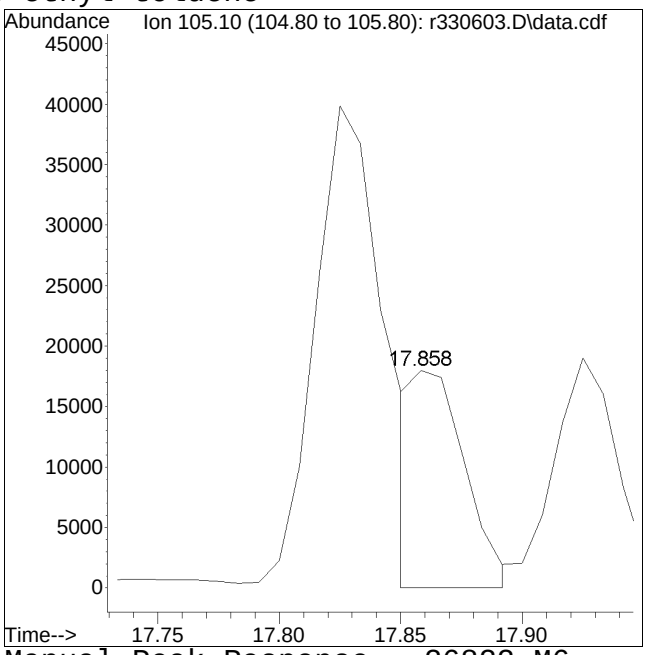
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330603.D
Date Inj'd : 4/25/2020 0:3: 1
Sample : L2419731-10,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:KJD
Instrument :
Quant Date : 4/25/2024 7:37 am

Compound #96: 4-ethyl toluene



Original Peak Response = 101934



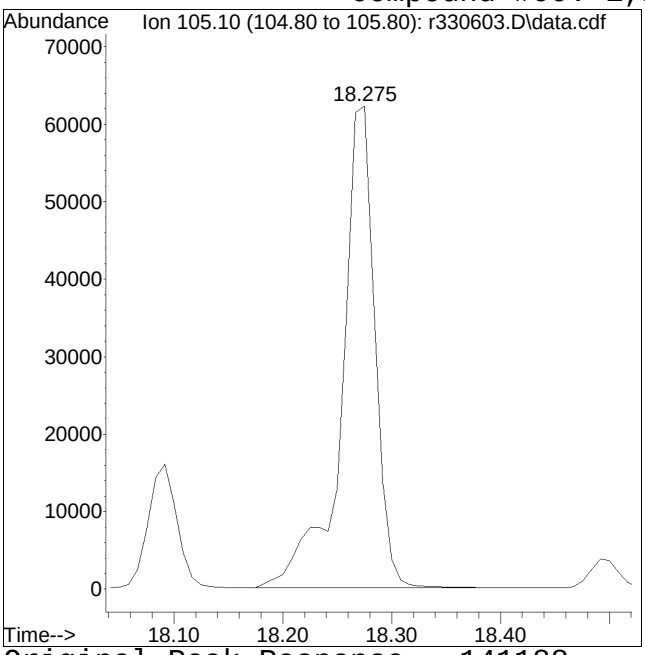
Manual Peak Response = 26822 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

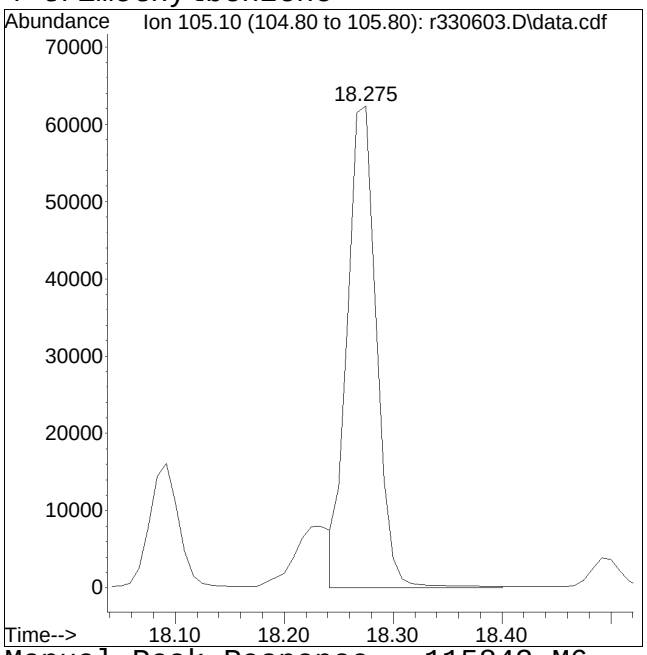
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : r330603.D Operator : AIRPIANO3:KJD
Date Inj'd : 4/25/2020 0:3: 1 Instrument :
Sample : L2419731-10,3,250,250 Quant Date : 4/25/2024 7:37 am

Compound #99: 1,2,4-trimethylbenzene



Original Peak Response = 141188



Manual Peak Response = 115843 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330604.D
Acq On : 25 Apr 2024 3:51 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-11,3,250,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:37:32 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	8.800	49	351002	10.000	ppbV		-0.02
Standard Area = 349686			Recovery = 100.38%				
43) 1,4-difluorobenzene	11.033	114	1202910	10.000	ppbV		-0.02
Standard Area = 1160525			Recovery = 103.65%				
67) chlorobenzene-D5	15.800	54	170198	10.000	ppbV		-0.02
Standard Area = 168249			Recovery = 101.16%				
System Monitoring Compounds							
Target Compounds							Qvalue
5) dichlorodifluoromethane	3.780	85	17508	0.458	ppbV		97
6) chloromethane	3.936	50	1521M6	0.080	ppbV		
7) Freon-114	4.038		0	N.D.			
9) vinyl chloride	4.158		0	N.D.			
10) 1,3-butadiene	0.000		0	N.D.	d		
13) bromomethane	0.000		0	N.D.			
14) chloroethane	0.000		0	N.D.			
15) ethanol	4.872	31	255767	21.302	ppbV		82
17) vinyl bromide	0.000		0	N.D.			
19) acetone	5.367	43	4283164	112.121	ppbV	#	77
21) trichlorofluoromethane	5.563	101	9882	0.254	ppbV		99
22) isopropyl alcohol	5.660	45	98274	1.930	ppbV	#	96
26) 1,1-dichloroethene	0.000		0	N.D.	d		
27) tertiary butyl alcohol	6.322	59	13599	0.269	ppbV		94
28) methylene chloride	6.394	49	8733	0.311	ppbV		97
29) 3-chloropropene	0.000		0	N.D.			
30) carbon disulfide	6.688	76	9122	0.104	ppbV	#	58
31) Freon 113	6.694	101	8598	0.187	ppbV		97
32) trans-1,2-dichloroethene	0.000		0	N.D.			
33) 1,1-dichloroethane	7.658		0	N.D.			
34) MTBE	0.000		0	N.D.	d		
36) 2-butanone	8.117	43	109408	1.675	ppbV	#	94
37) cis-1,2-dichloroethene	0.000		0	N.D.			
38) Ethyl Acetate	0.000		0	N.D.	d		
39) chloroform	8.950	83	14242	0.329	ppbV		94
40) Tetrahydrofuran	9.400	42	82101	1.947	ppbV		94
42) 1,2-dichloroethane	9.792	62	4666	0.168	ppbV		96
44) hexane	8.867	57	47663	1.056	ppbV	#	1

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330604.D
Acq On : 25 Apr 2024 3:51 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-11,3,250,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:37:32 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,1-trichloroethane	10.075	97	724270	19.999	ppbV	97
50) benzene	10.600	78	20874	0.204	ppbV #	92
52) carbon tetrachloride	10.773	117	2133	0.065	ppbV	96
53) cyclohexane	10.920	56	13506	0.282	ppbV #	84
56) 1,2-dichloropropane	11.553		0	N.D.		
57) bromodichloromethane	11.787		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
59) trichloroethene	11.840	130	1297	0.037	ppbV	99
60) 2,2,4-trimethylpentane	11.880	57	16715	0.114	ppbV	99
62) heptane	12.200	43	13968	0.213	ppbV #	89
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.917	43	9526	0.123	ppbV #	84
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	14.008	91	58209	0.480	ppbV	99
72) 2-hexanone	14.358		0	N.D.		
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
78) tetrachloroethene	15.192	166	42132	0.773	ppbV	93
80) chlorobenzene	15.850	112	3889	0.037	ppbV #	53
81) ethylbenzene	16.200	91	24476	0.161	ppbV	94
83) m+p-xylene	16.350	91	79414	0.650	ppbV	90
84) bromoform	0.000		0	N.D.		
85) styrene	16.700		0	N.D.		
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	d	
87) o-xylene	16.783	91	33689	0.278	ppbV	88
96) 4-ethyl toluene	17.858	105	19958M6	0.111	ppbV	
97) 1,3,5-trimethylbenzene	17.925	105	26675	0.170	ppbV	98
99) 1,2,4-trimethylbenzene	18.275	105	88003M6	0.584	ppbV	
101) Benzyl Chloride	0.000		0	N.D.	d	
102) 1,3-dichlorobenzene	0.000		0	N.D.	d	
103) 1,4-dichlorobenzene	18.467	146	3520	0.035	ppbV #	88
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.333	128	18079	0.094	ppbV	100
119) hexachlorobutadiene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330604.D
Acq On : 25 Apr 2024 3:51 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-11,3,250,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:37:32 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

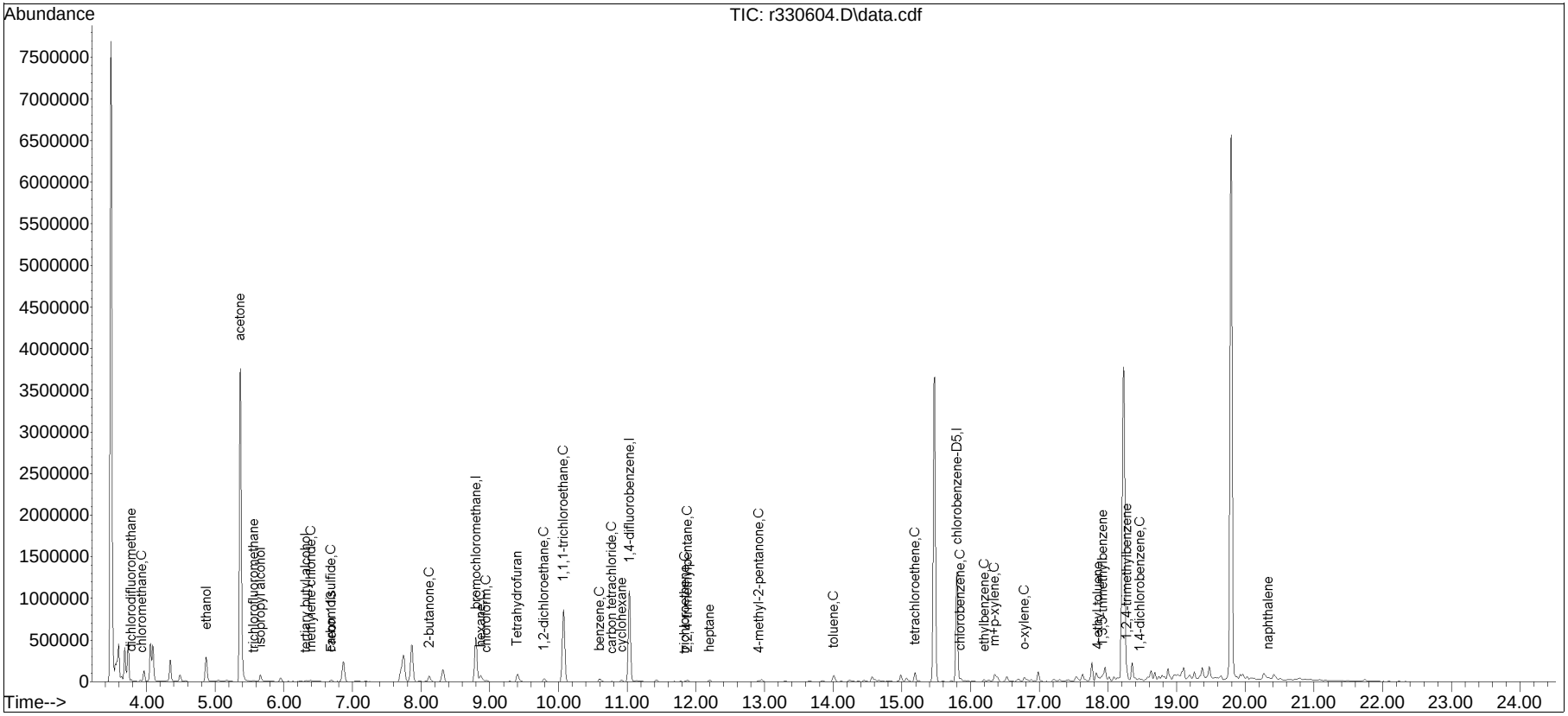
CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : TO15-NY+Naphthalene - .

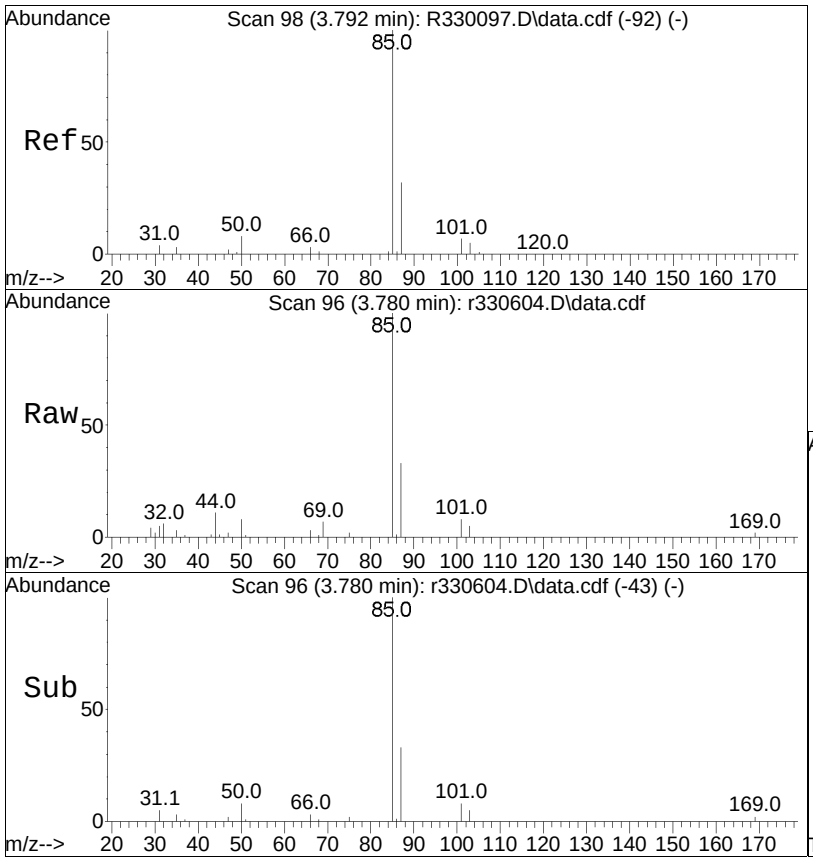
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : TO15-NY+Naphthalene - .ano3\2024\04\0424T\r330584.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330604.D
Acq On : 25 Apr 2024 3:51 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-11,3,250,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:37:32 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

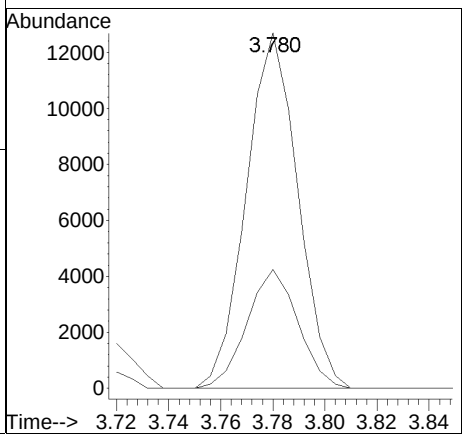


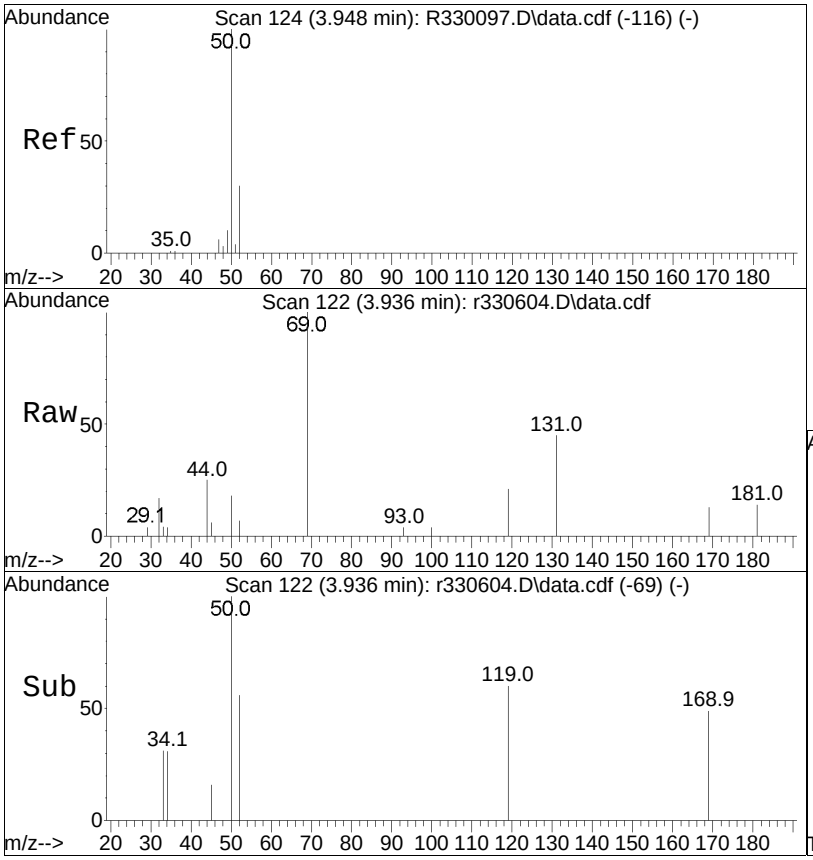


#5
dichlorodifluoromethane
Concen: 0.46 ppbV
RT: 3.780 min Scan# 96
Delta R.T. -0.012 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion: 85 Resp: 17508

Ion	Ratio	Lower	Upper
85	100		
87	33.5	25.4	38.2

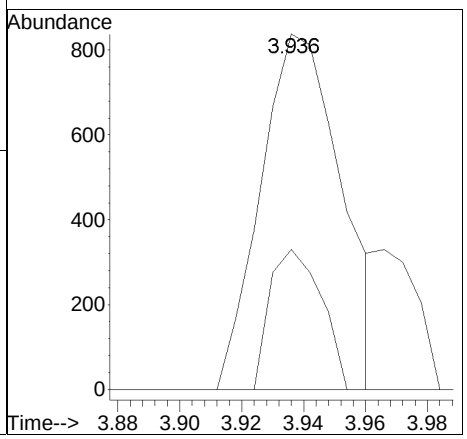


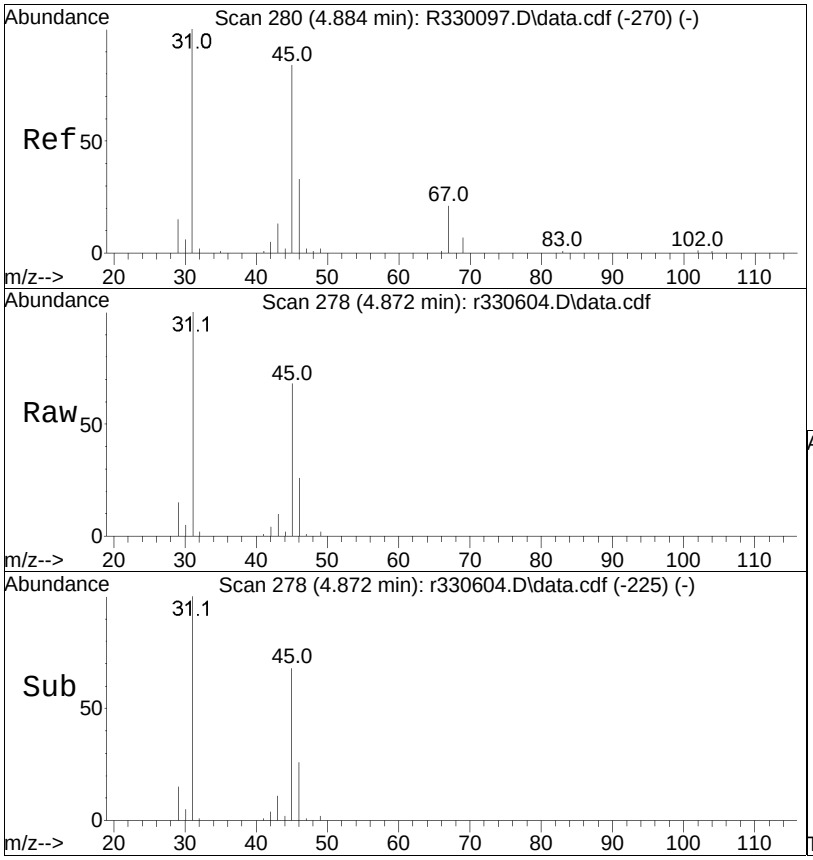


#6
chloromethane
Concen: 0.08 ppbV m
RT: 3.936 min Scan# 122
Delta R.T. -0.012 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion: 50 Resp: 1521

Ion	Ratio	Lower	Upper
50	100		
52	39.4	24.0	36.0#

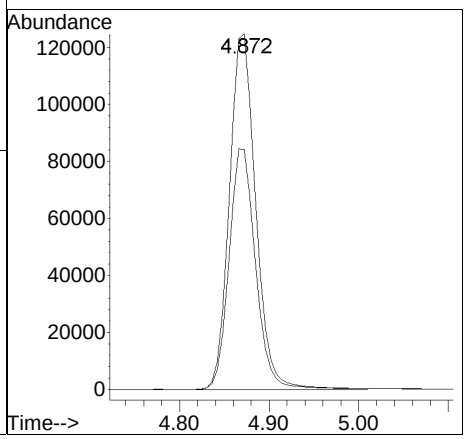


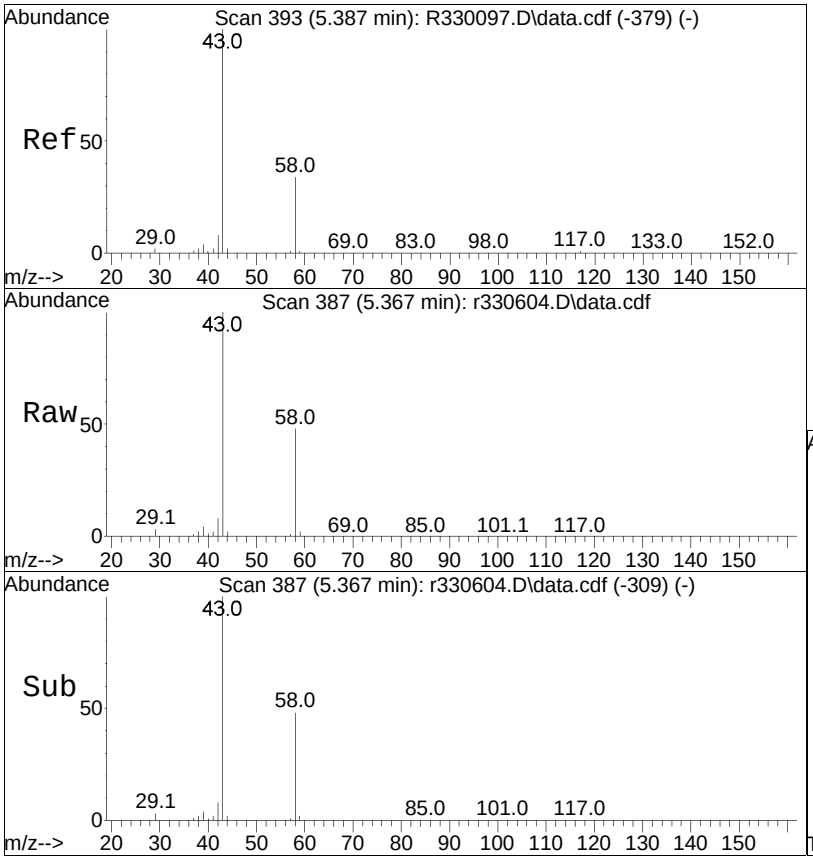


#15
ethanol
Concen: 21.30 ppbV
RT: 4.872 min Scan# 278
Delta R.T. -0.012 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion: 31 Resp: 255767

Ion	Ratio	Lower	Upper
31	100		
45	67.6	67.5	101.3

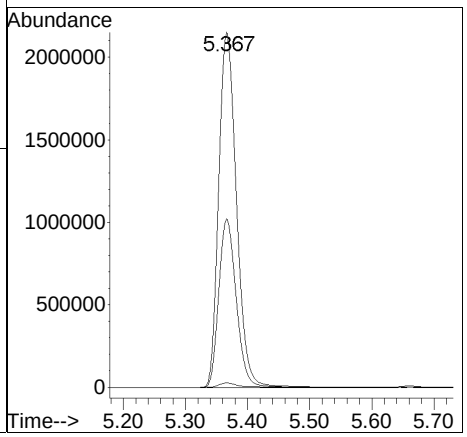


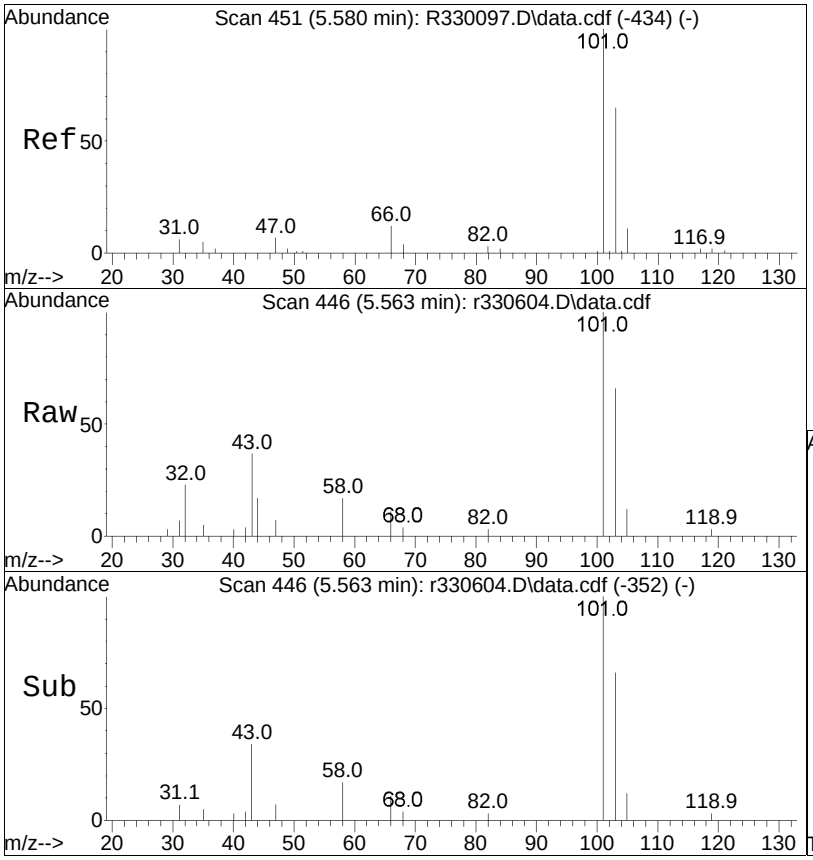


#19
acetone
Concen: 112.12 ppbV
RT: 5.367 min Scan# 387
Delta R.T. -0.020 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion: 43 Resp: 4283164

Ion	Ratio	Lower	Upper
43	100		
58	47.6	27.3	40.9#
57	1.3	0.8	1.2#

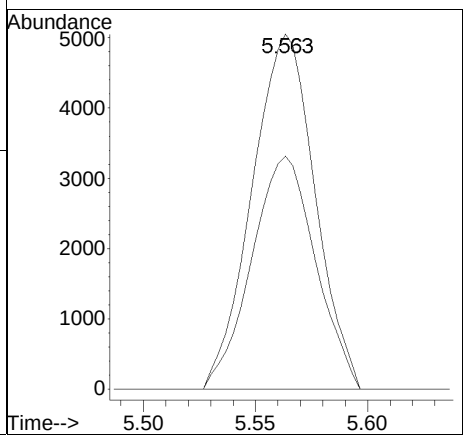


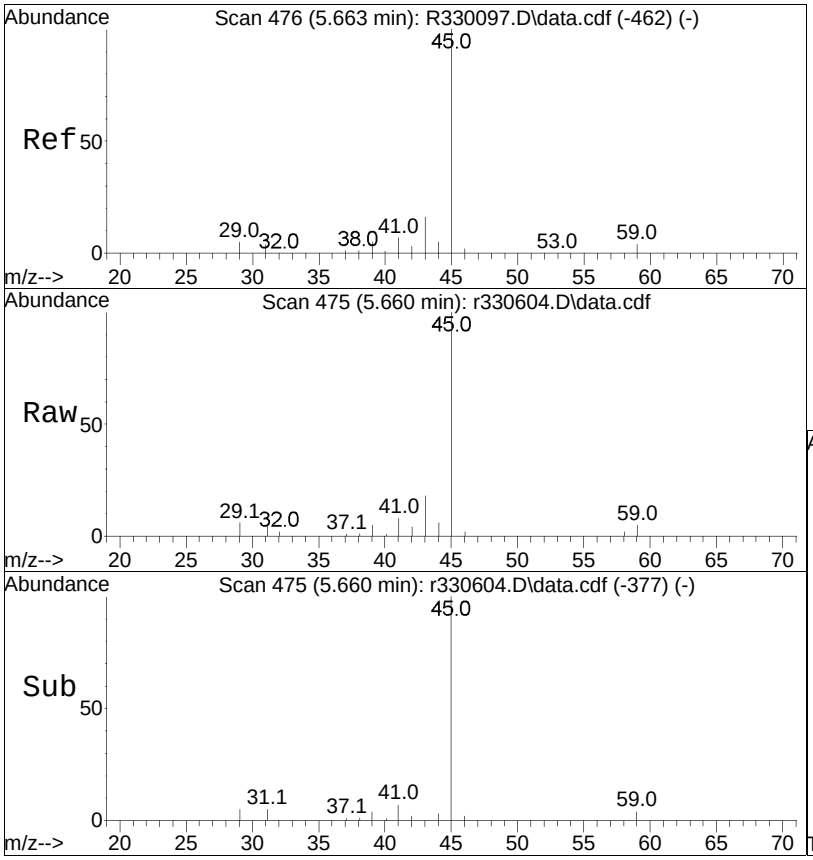


#21
trichlorofluoromethane
Concen: 0.25 ppbV
RT: 5.563 min Scan# 446
Delta R.T. -0.017 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion:101 Resp: 9882

Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.0	78.0

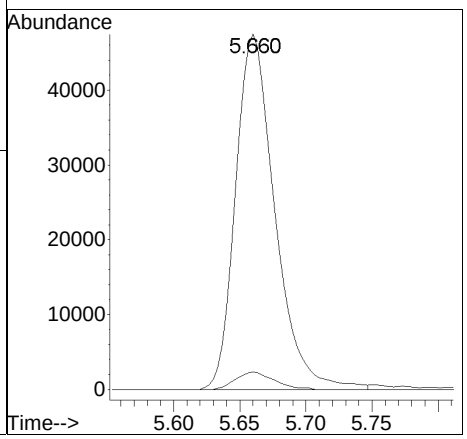


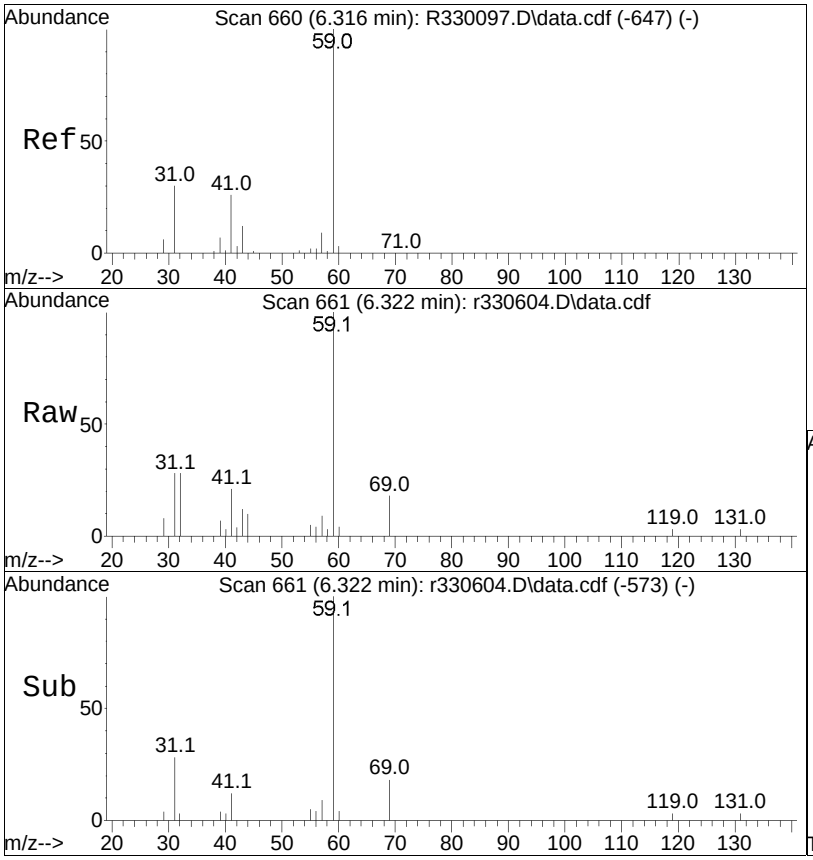


#22
isopropyl alcohol
Concen: 1.93 ppbV
RT: 5.660 min Scan# 475
Delta R.T. -0.003 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion: 45 Resp: 98274

Ion	Ratio	Lower	Upper
45	100		
59	4.9	3.0	4.4#

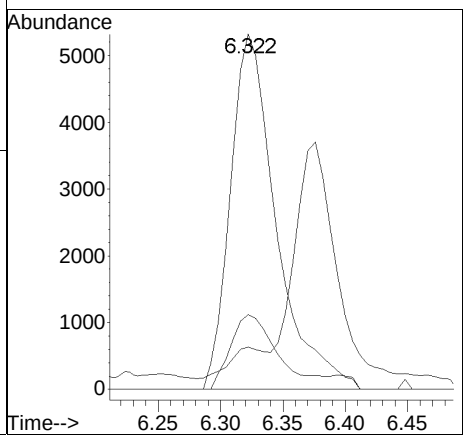


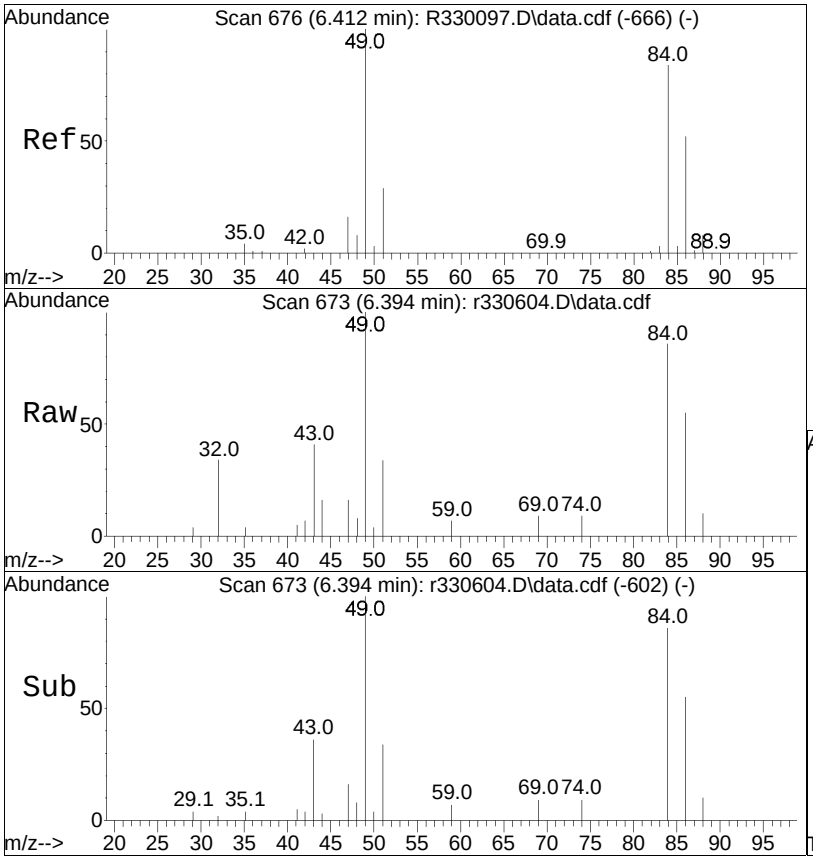


#27
tertiary butyl alcohol
Concen: 0.27 ppbV
RT: 6.322 min Scan# 661
Delta R.T. 0.006 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion: 59 Resp: 13599

Ion	Ratio	Lower	Upper
59	100		
41	21.0	20.4	30.6
43	11.9	9.4	14.0

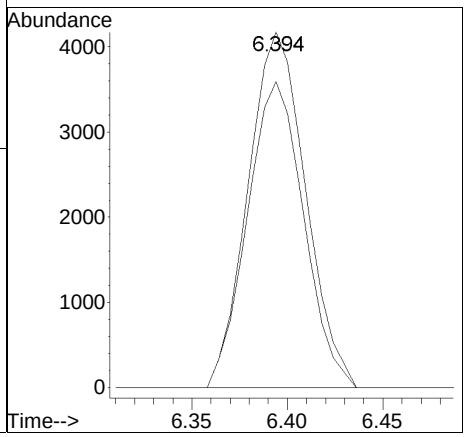


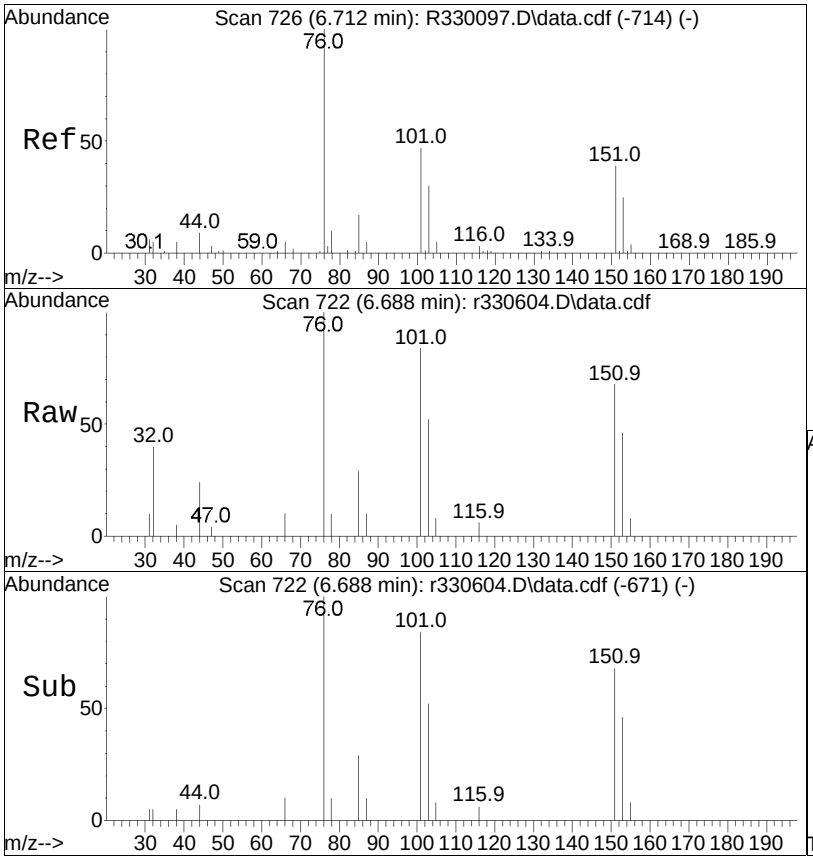


#28
methylene chloride
Concen: 0.31 ppbV
RT: 6.394 min Scan# 673
Delta R.T. -0.018 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion: 49 Resp: 8733

Ion	Ratio	Lower	Upper
49	100		
84	86.1	67.0	100.4

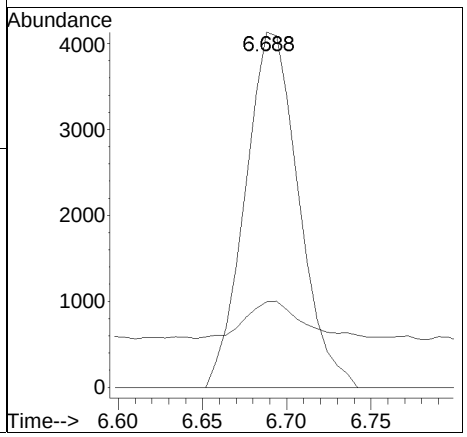


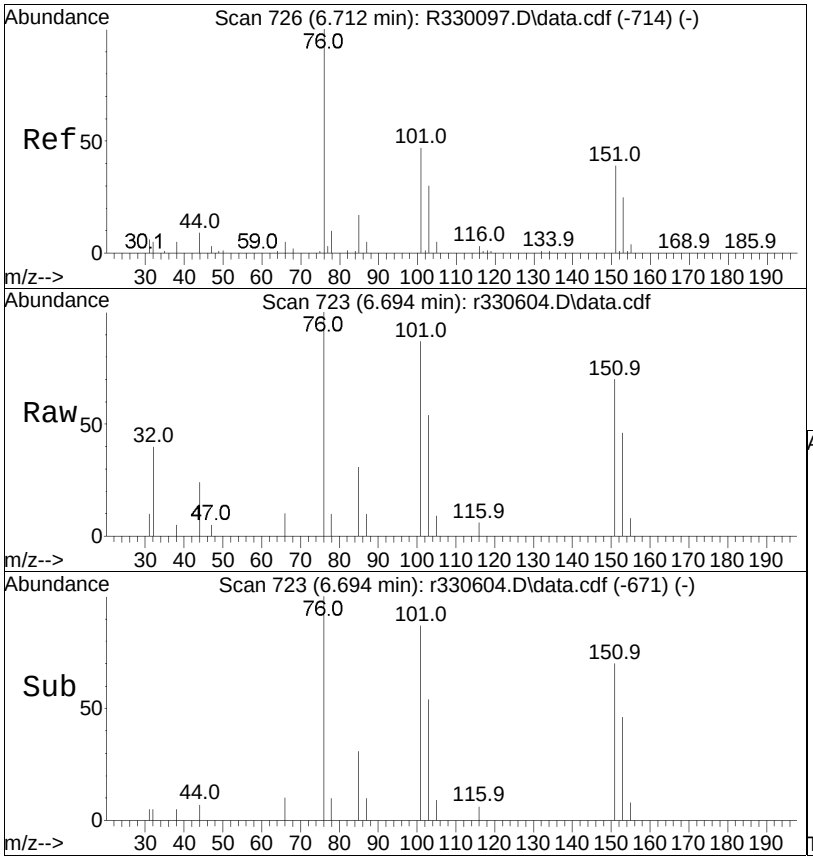


#30
carbon disulfide
Concen: 0.10 ppbV
RT: 6.688 min Scan# 722
Delta R.T. -0.024 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion: 76 Resp: 9122

Ion	Ratio	Lower	Upper
76	100		
44	24.1	7.1	10.7#

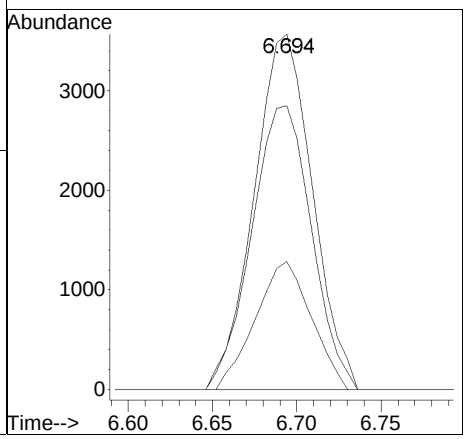


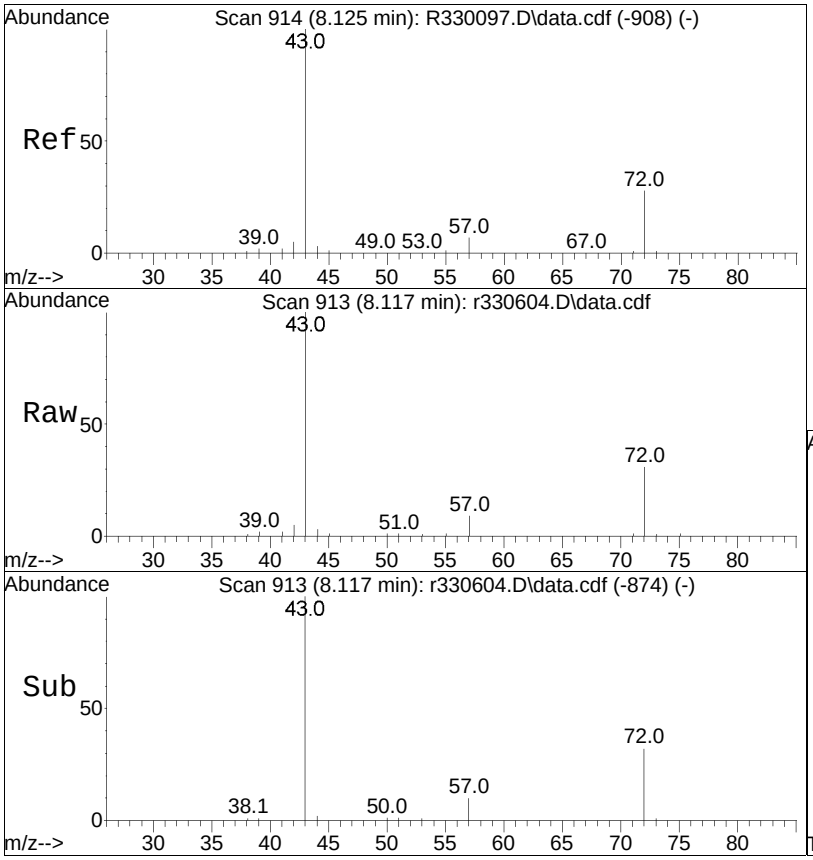


#31
Freon 113
Concen: 0.19 ppbV
RT: 6.694 min Scan# 723
Delta R.T. -0.018 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion:101 Resp: 8598

Ion	Ratio	Lower	Upper
101	100		
85	36.0	28.5	42.7
151	79.8	66.9	100.3

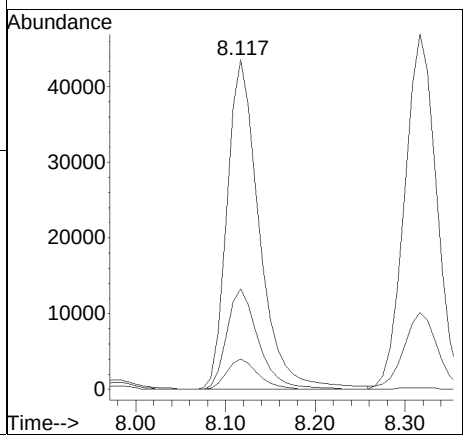


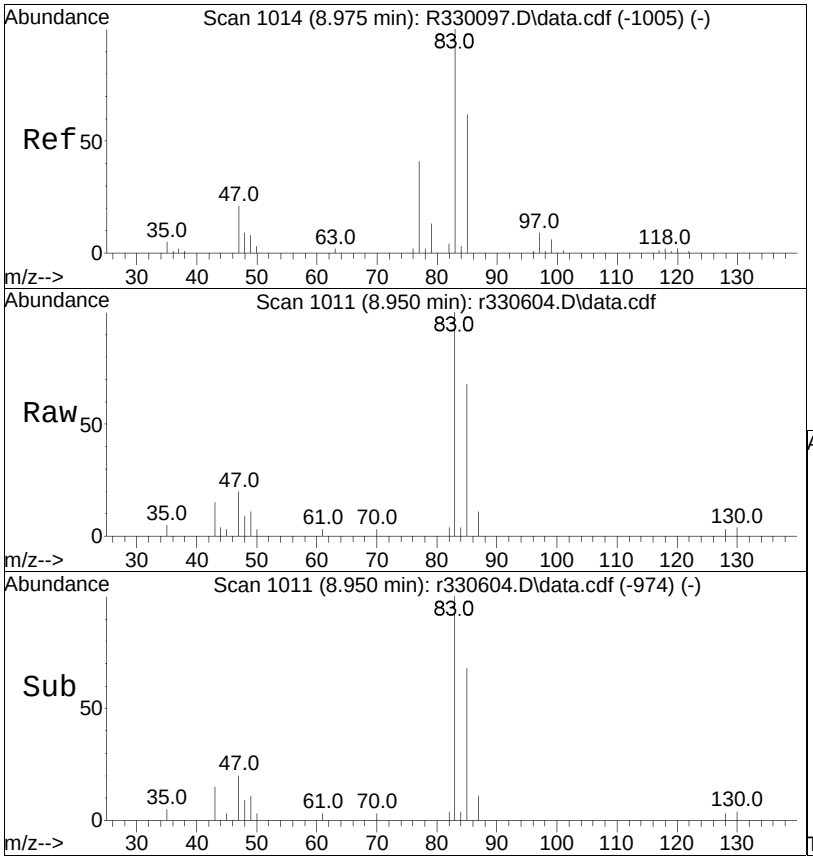


#36
2-butanone
Concen: 1.67 ppbV
RT: 8.117 min Scan# 913
Delta R.T. -0.008 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion: 43 Resp: 109408

Ion	Ratio	Lower	Upper
43	100		
72	30.5	22.1	33.1
57	9.2	5.3	7.9#

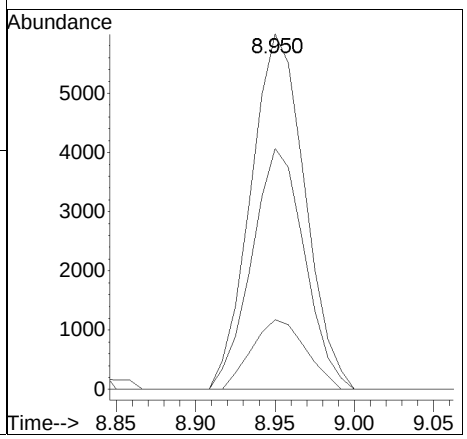


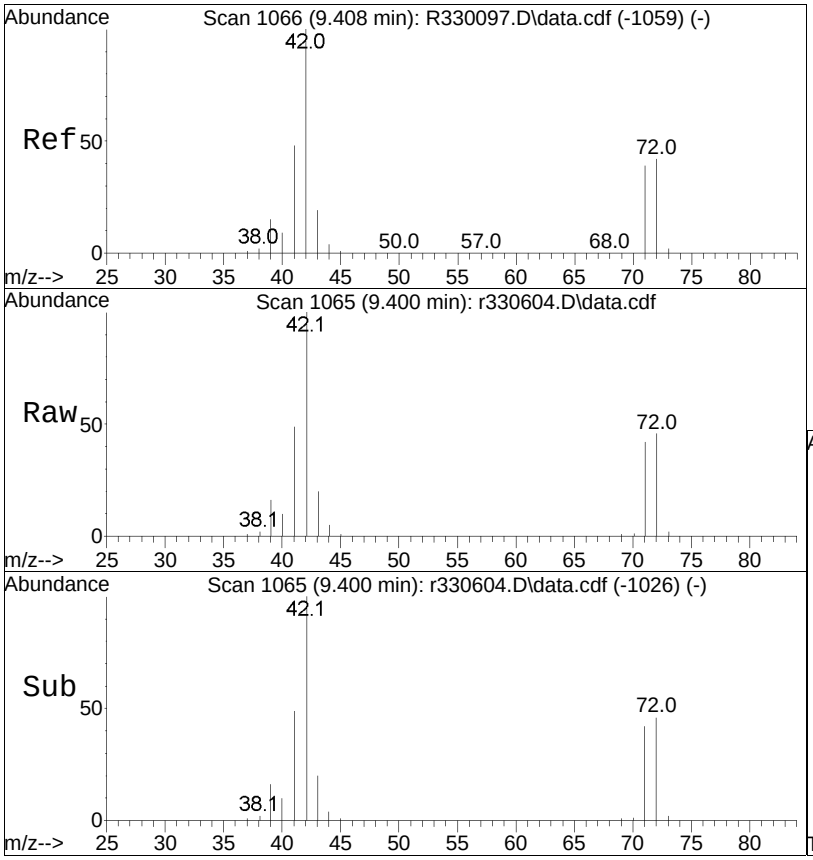


#39
chloroform
Concen: 0.33 ppbV
RT: 8.950 min Scan# 1011
Delta R.T. -0.025 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion: 83 Resp: 14242

Ion	Ratio	Lower	Upper
83	100		
85	67.8	49.8	74.8
47	19.6	16.8	25.2

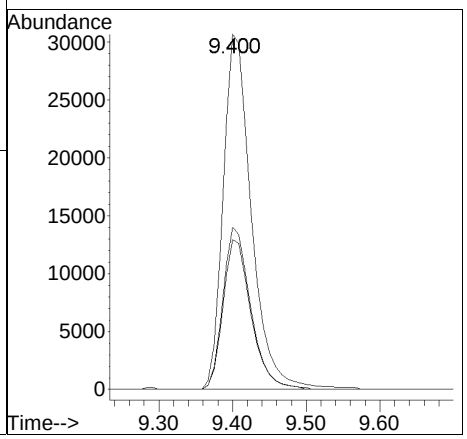


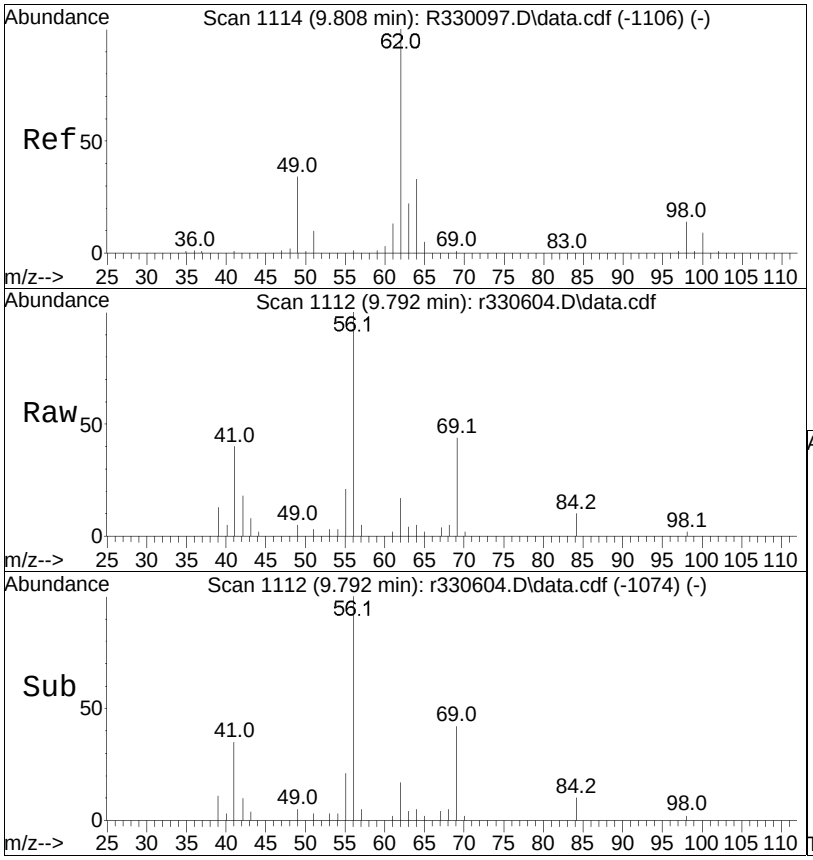


#40
Tetrahydrofuran
Concen: 1.95 ppbV
RT: 9.400 min Scan# 1065
Delta R.T. -0.008 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion: 42 Resp: 82101

Ion	Ratio	Lower	Upper
42	100		
71	42.2	31.0	46.4
72	45.7	33.4	50.2

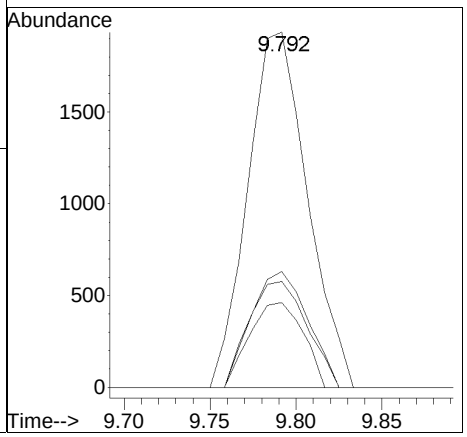


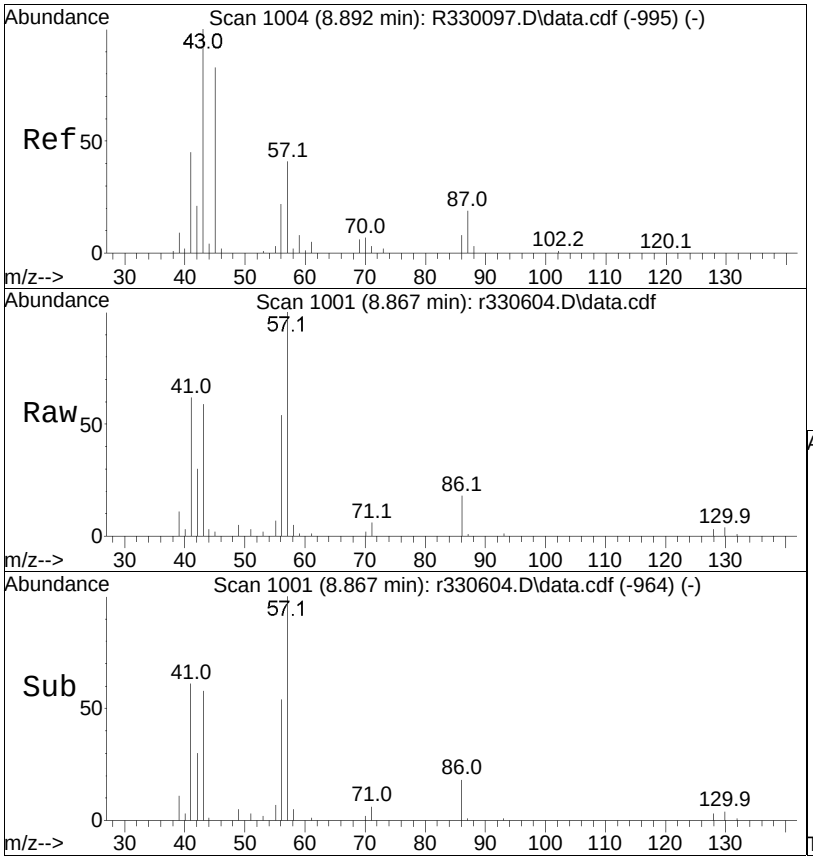


#42
1,2-dichloroethane
Concen: 0.17 ppbV
RT: 9.792 min Scan# 1112
Delta R.T. -0.016 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion: 62 Resp: 4666

Ion	Ratio	Lower	Upper
62	100		
64	32.6	26.9	40.3
49	29.8	26.8	40.2
63	23.9	17.5	26.3

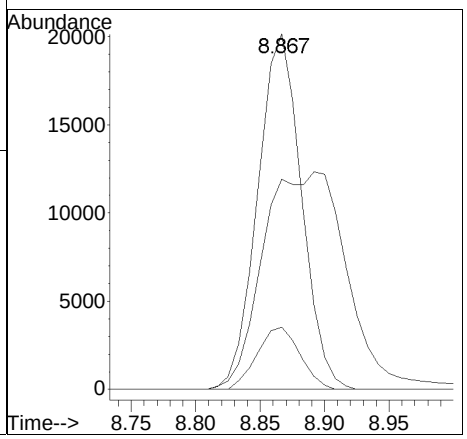


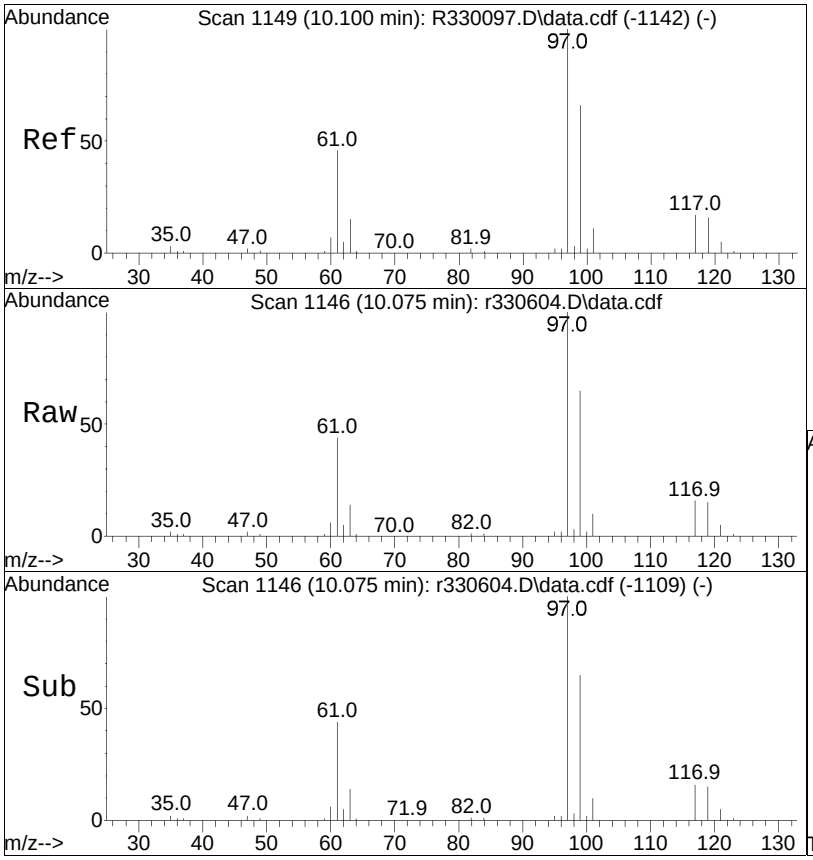


#44
hexane
Concen: 1.06 ppbV
RT: 8.867 min Scan# 1001
Delta R.T. -0.025 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion: 57 Resp: 47663

Ion	Ratio	Lower	Upper
57	100		
43	59.1	196.5	294.7#
86	17.5	15.8	23.6

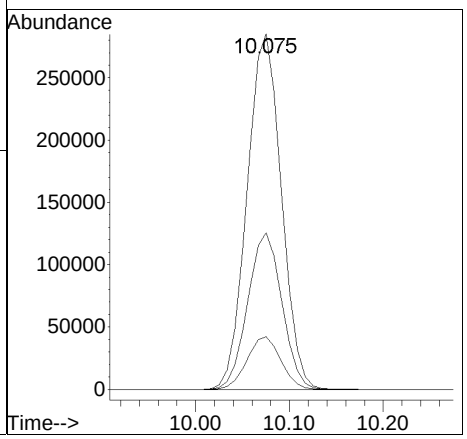


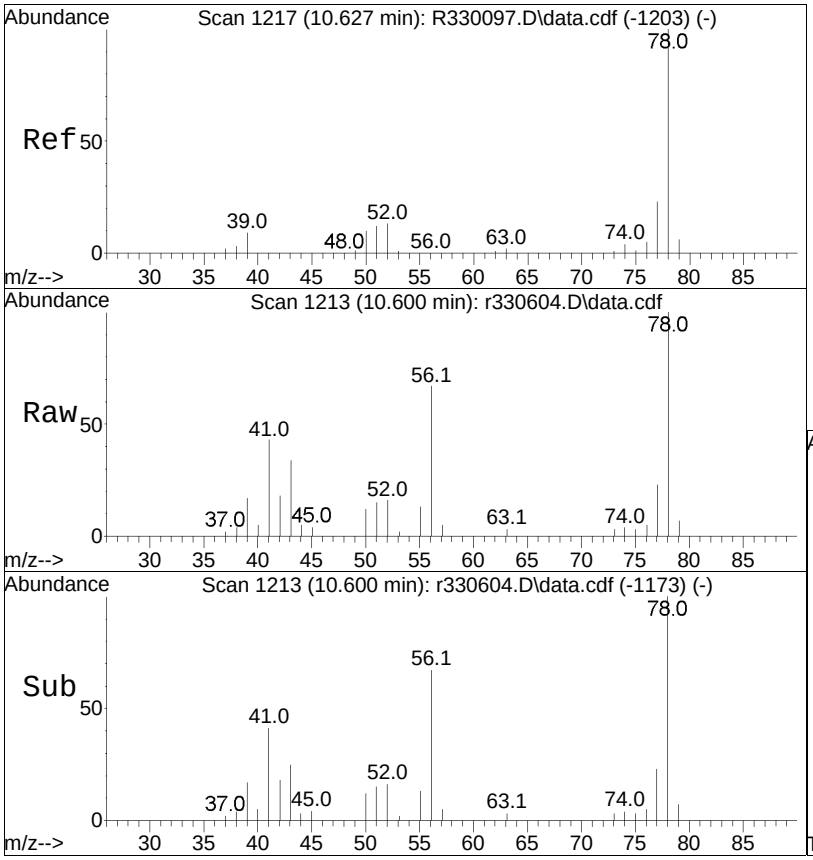


#48
1,1,1-trichloroethane
Concen: 20.00 ppbV
RT: 10.075 min Scan# 1146
Delta R.T. -0.025 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion: 97 Resp: 724270

Ion	Ratio	Lower	Upper
97	100		
61	44.1	36.6	54.8
119	14.8	13.0	19.4

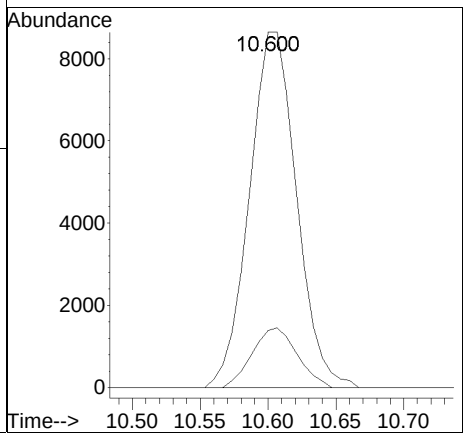


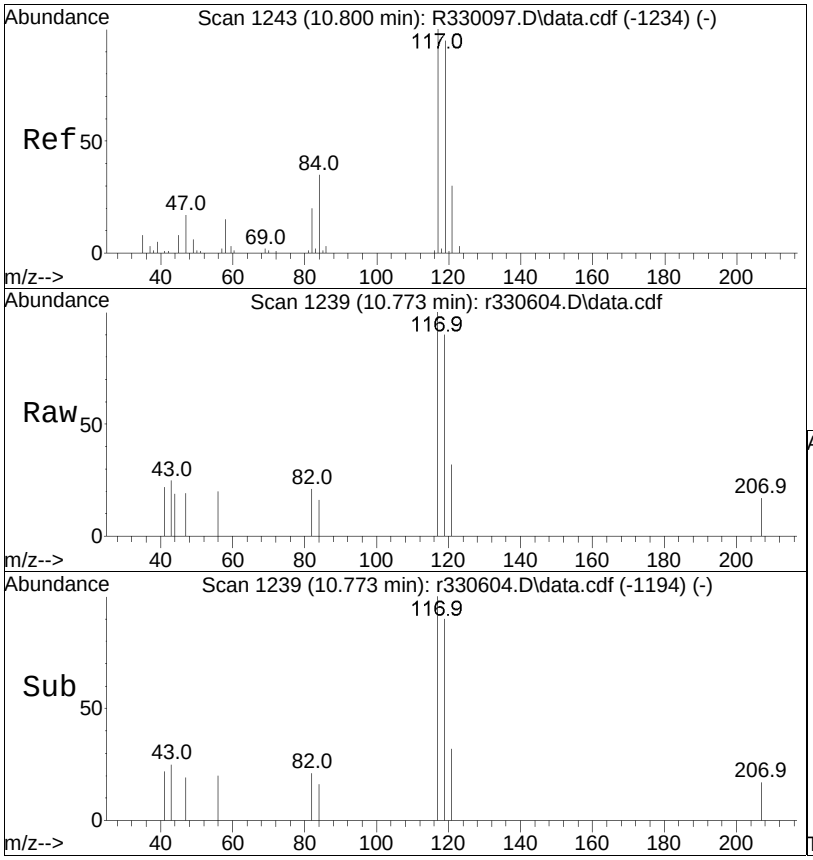


#50
benzene
Concen: 0.20 ppbV
RT: 10.600 min Scan# 1213
Delta R.T. -0.027 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion: 78 Resp: 20874

Ion	Ratio	Lower	Upper
78	100		
52	16.0	10.4	15.6#

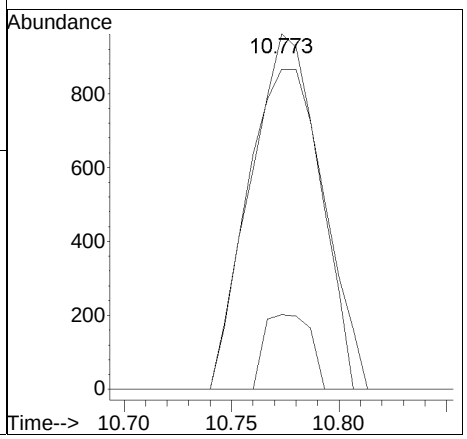


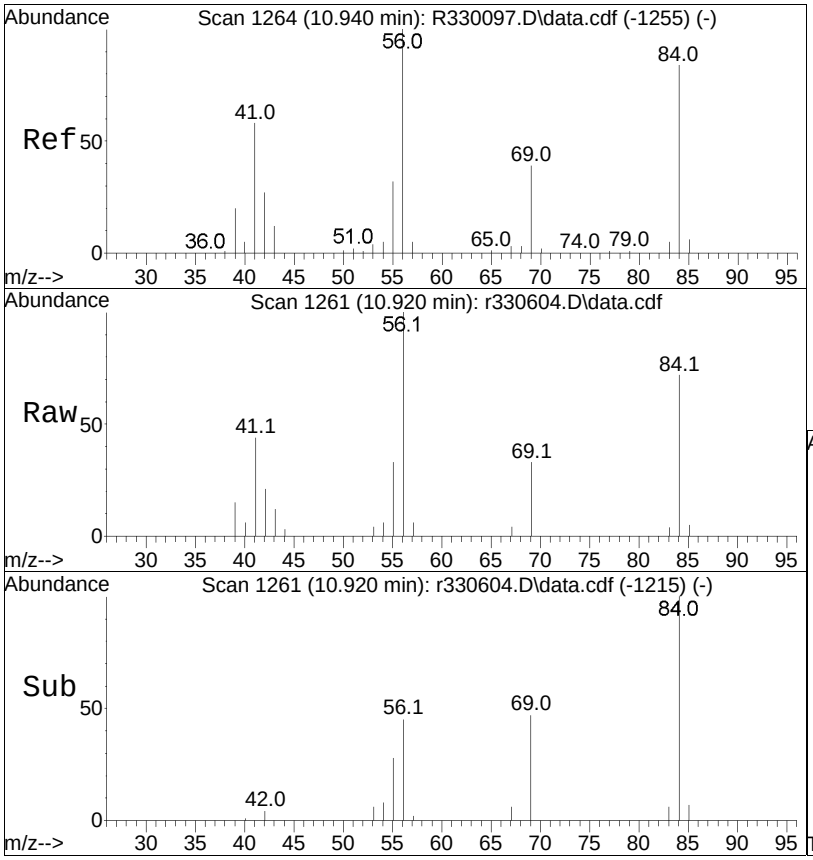


#52
carbon tetrachloride
Concen: 0.06 ppbV
RT: 10.773 min Scan# 1239
Delta R.T. -0.027 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion:117 Resp: 2133

Ion	Ratio	Lower	Upper
117	100		
119	90.1	75.8	113.8
82	21.0	16.5	24.7

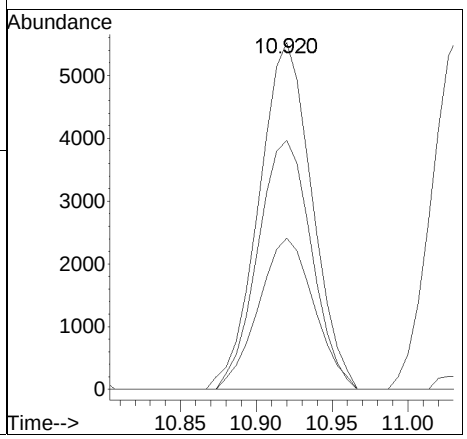


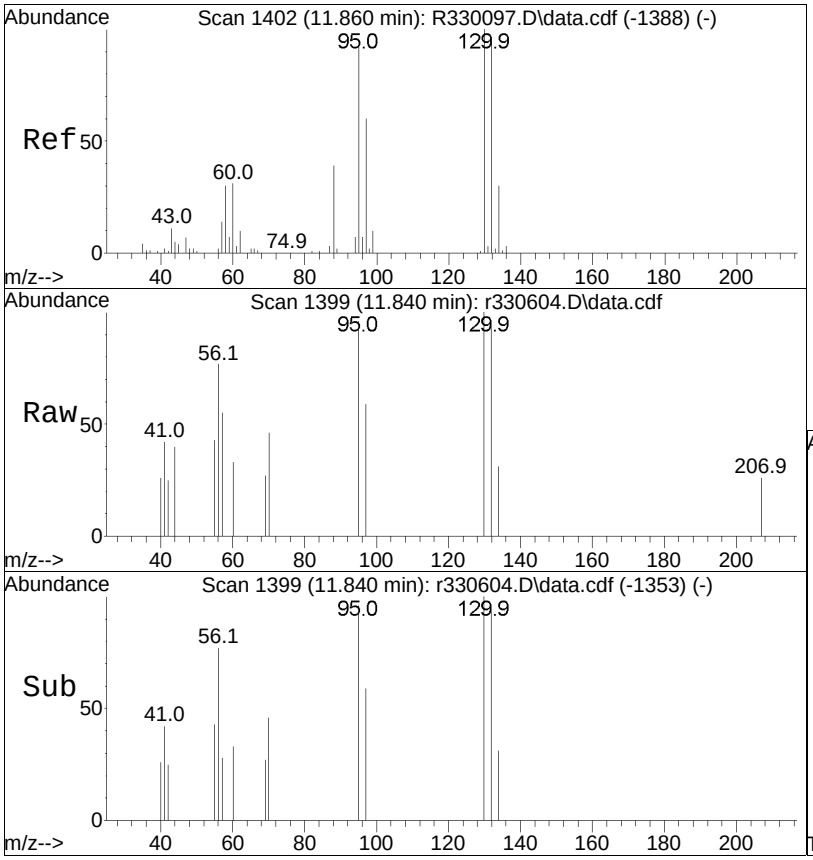


#53
cyclohexane
Concen: 0.28 ppbV
RT: 10.920 min Scan# 1261
Delta R.T. -0.020 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion: 56 Resp: 13506

Ion	Ratio	Lower	Upper
56	100		
84	71.7	67.4	101.2
41	43.6	46.4	69.6#

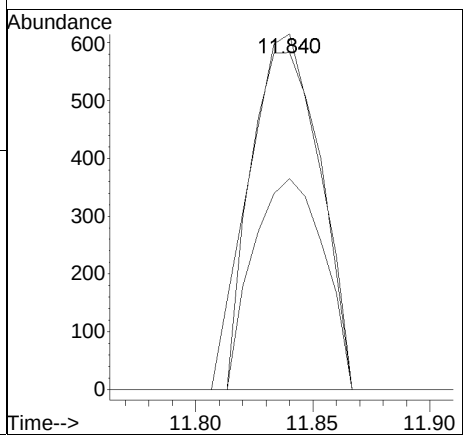


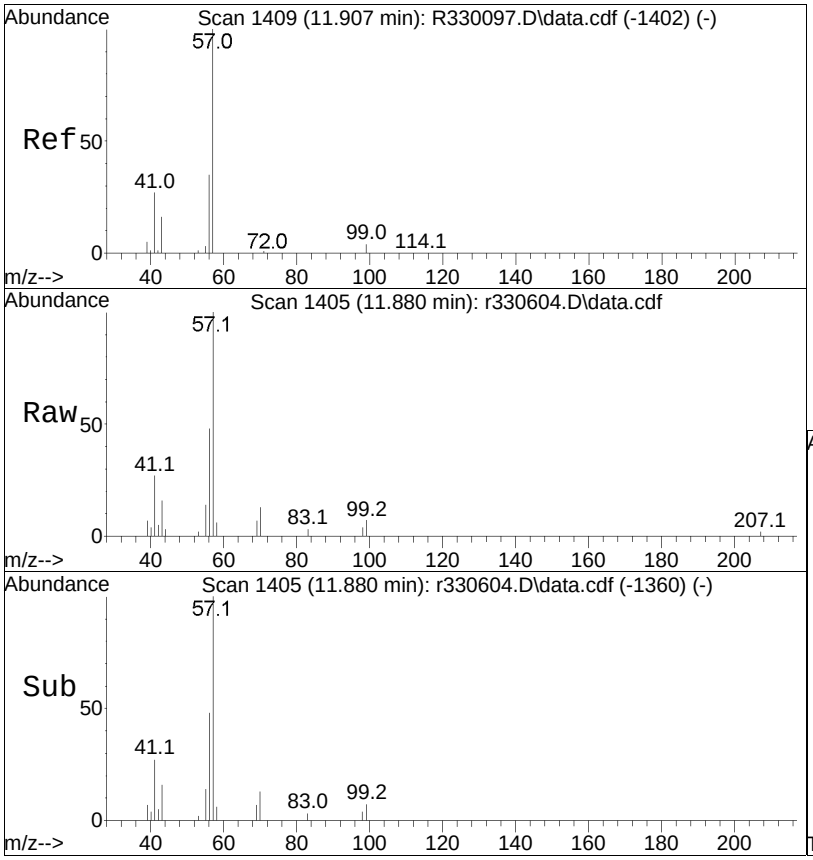


#59
trichloroethene
Concen: 0.04 ppbV
RT: 11.840 min Scan# 1399
Delta R.T. -0.020 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion:130 Resp: 1297

Ion	Ratio	Lower	Upper
130	100		
132	94.8	76.3	114.5
97	59.3	47.8	71.6

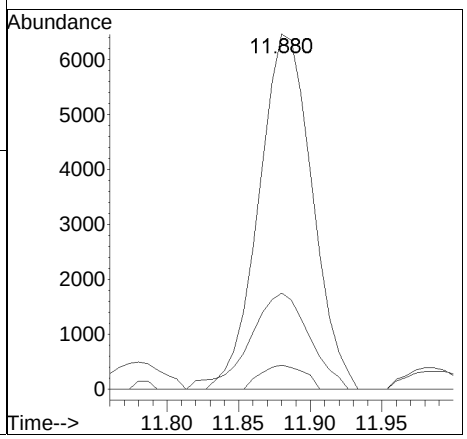


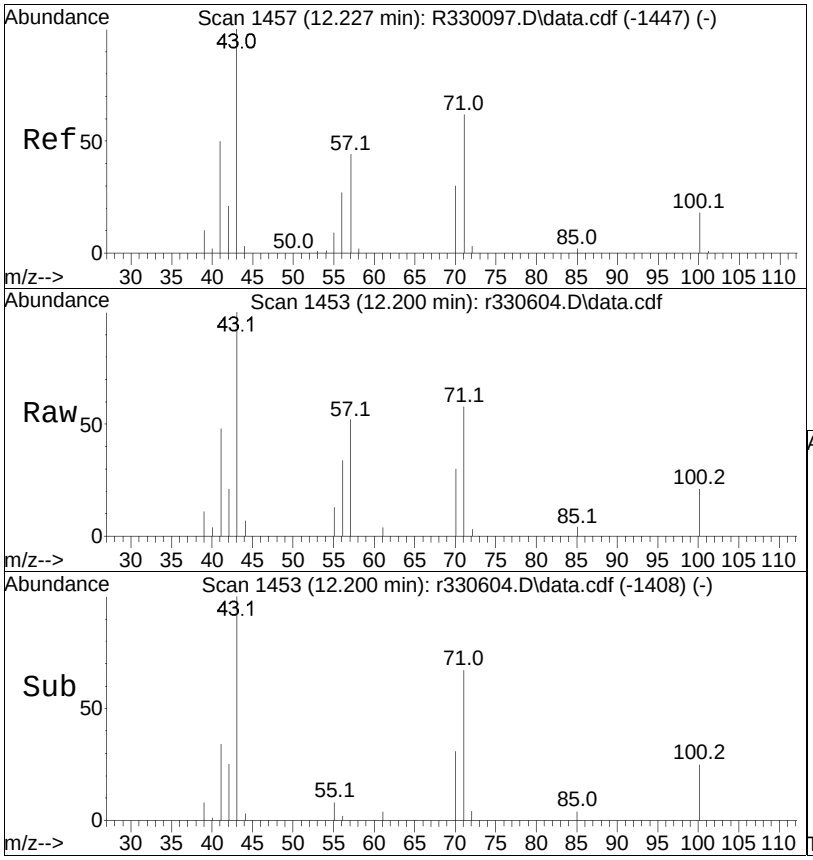


#60
2,2,4-trimethylpentane
Concen: 0.11 ppbV
RT: 11.880 min Scan# 1405
Delta R.T. -0.027 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion: 57 Resp: 16715

Ion	Ratio	Lower	Upper
57	100		
99	6.9	5.3	7.9
41	27.1	21.4	32.0

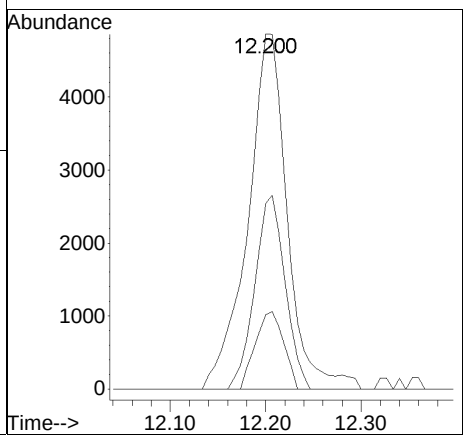


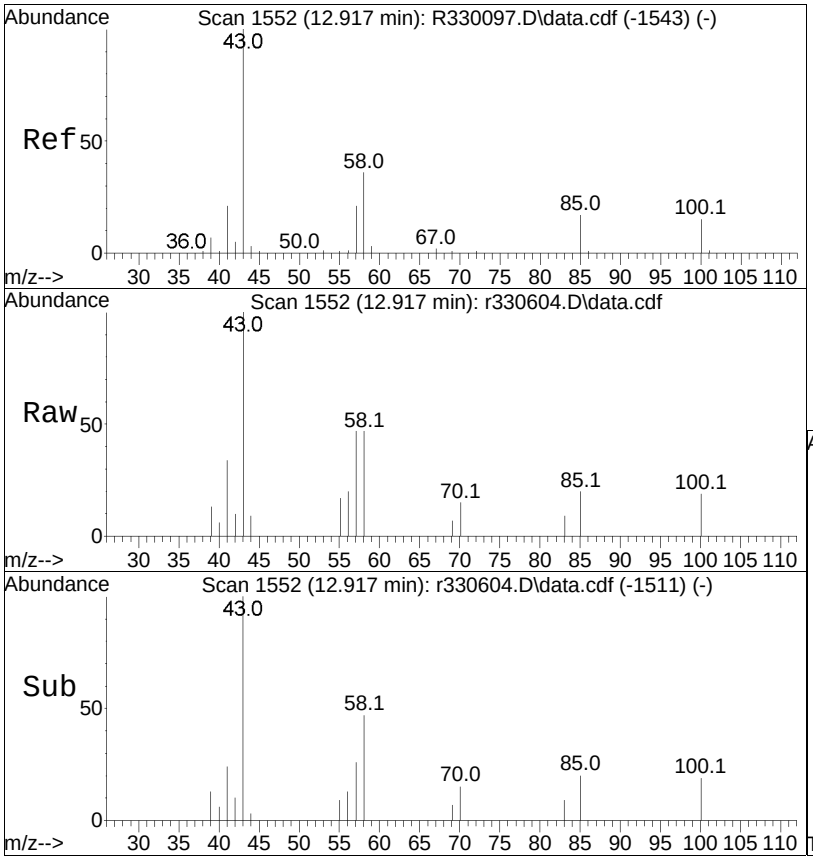


#62
heptane
Concen: 0.21 ppbV
RT: 12.200 min Scan# 1453
Delta R.T. -0.027 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion: 43 Resp: 13968

Ion	Ratio	Lower	Upper
43	100		
57	52.4	34.9	52.3#
100	21.1	14.9	22.3

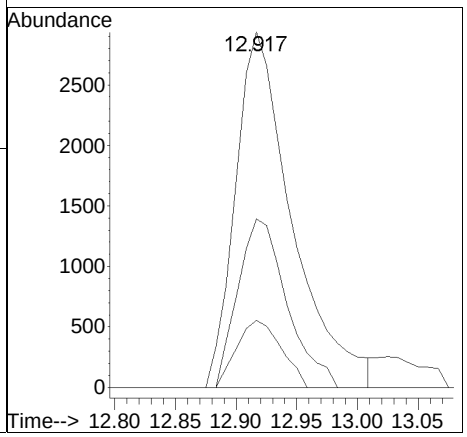


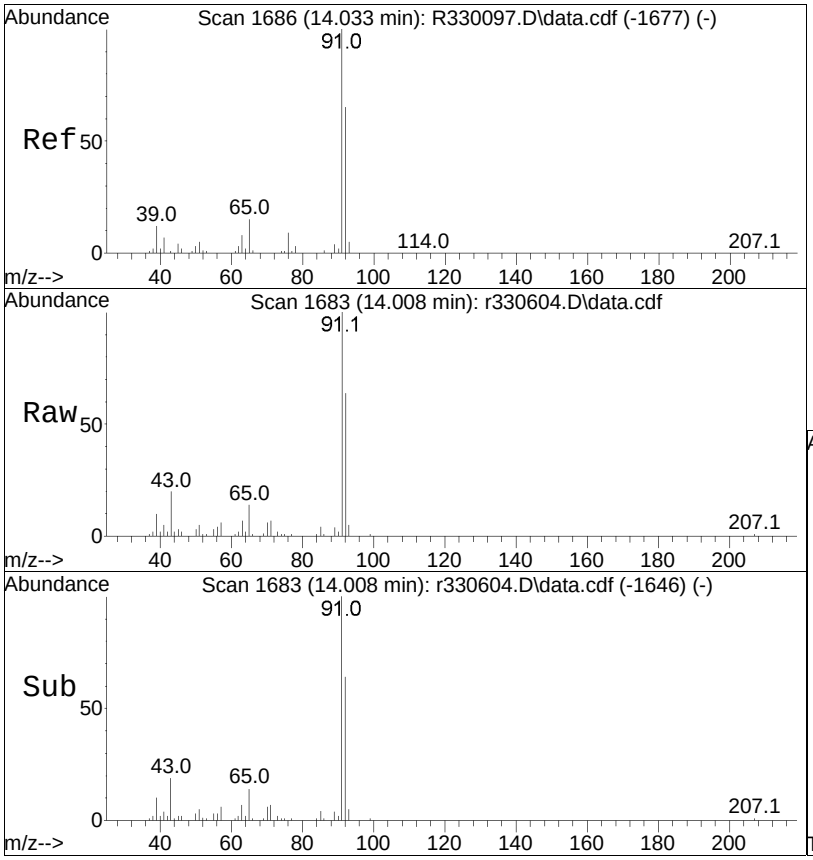


#64
4-methyl-2-pentanone
Concen: 0.12 ppbV
RT: 12.917 min Scan# 1552
Delta R.T. 0.000 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion: 43 Resp: 9526

Ion	Ratio	Lower	Upper
43	100		
58	47.4	29.1	43.7#
100	18.9	12.2	18.4#

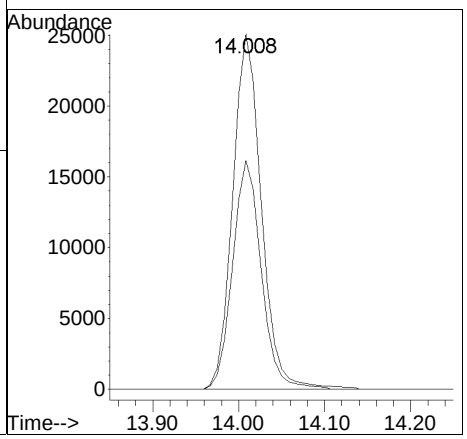


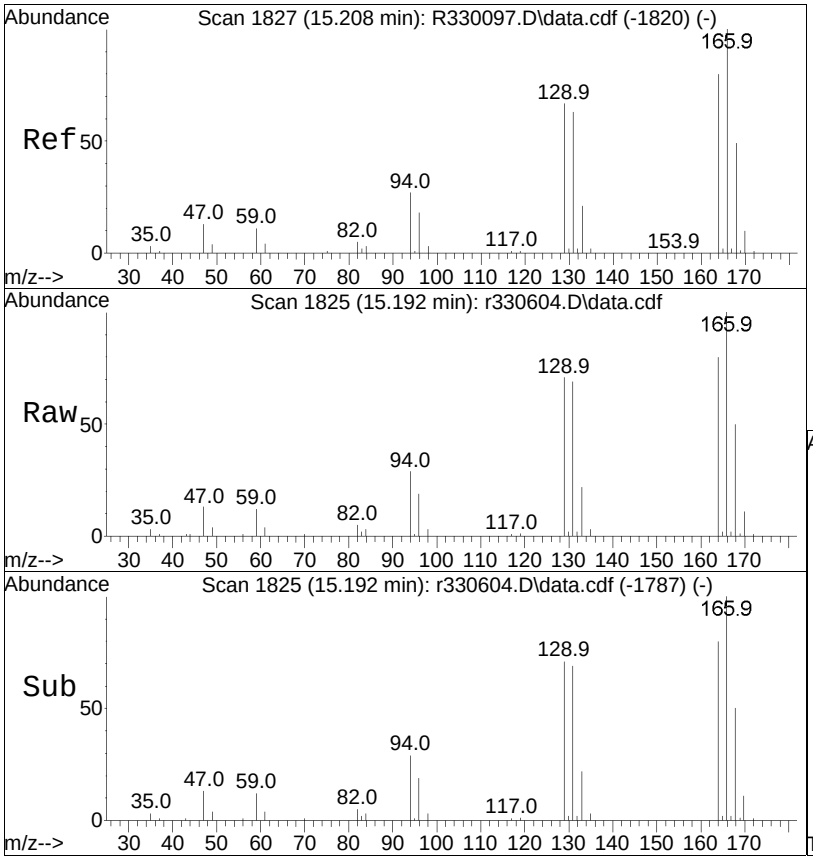


#68
toluene
Concen: 0.48 ppbV
RT: 14.008 min Scan# 1683
Delta R.T. -0.025 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion: 91 Resp: 58209

Ion	Ratio	Lower	Upper
91	100		
92	64.4	52.1	78.1

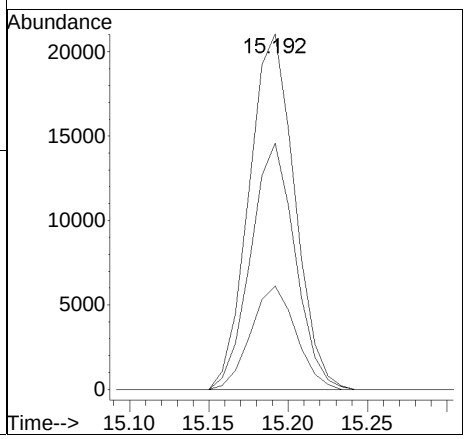


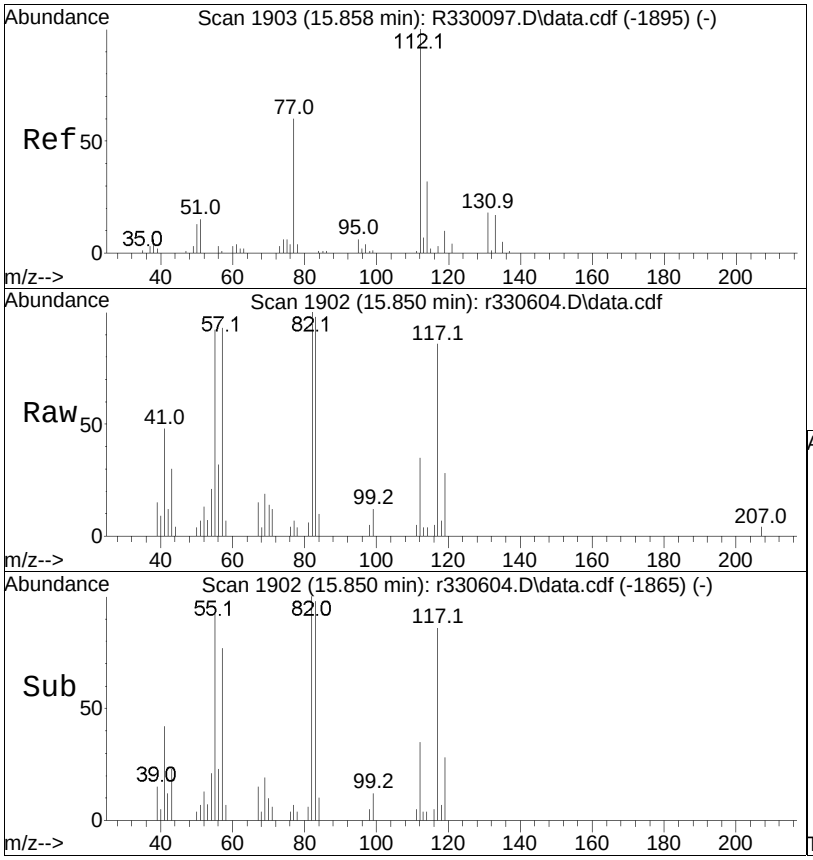


#78
tetrachloroethene
Concen: 0.77 ppbV
RT: 15.192 min Scan# 1825
Delta R.T. -0.017 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion:166 Resp: 42132

Ion	Ratio	Lower	Upper
166	100		
131	69.3	50.6	75.8
94	29.1	21.4	32.2

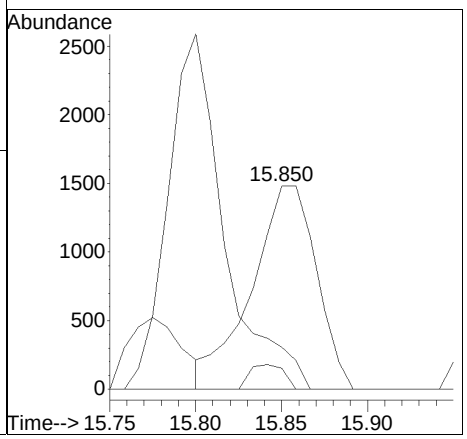


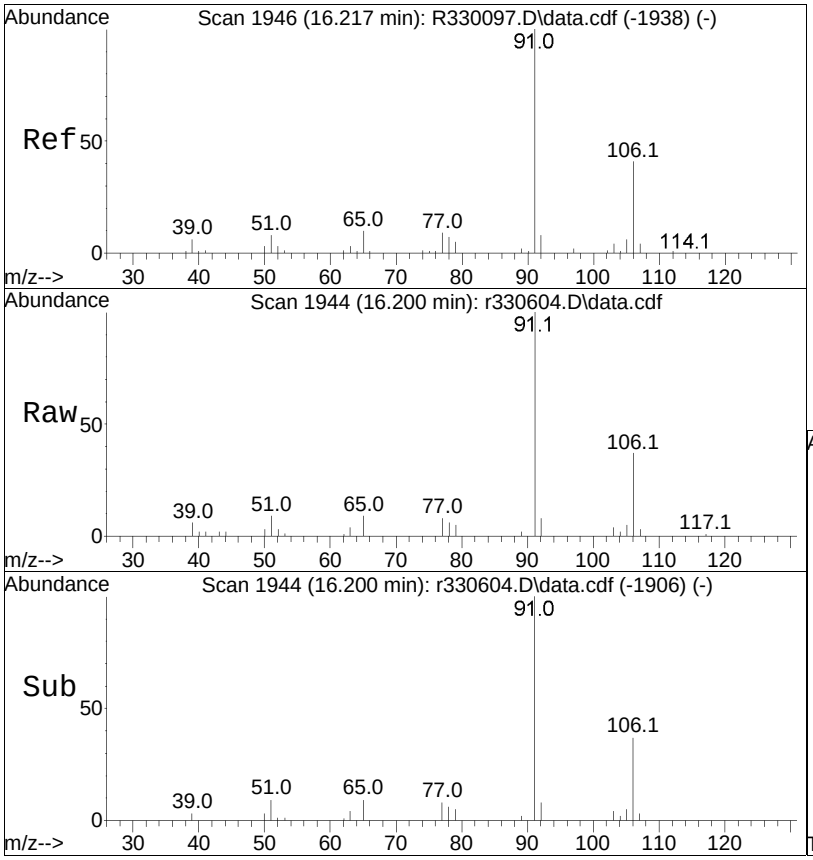


#80
chlorobenzene
Concen: 0.04 ppbV
RT: 15.850 min Scan# 1902
Delta R.T. -0.008 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion:112 Resp: 3889

Ion	Ratio	Lower	Upper
112	100		
114	10.4	25.4	38.0#
77	20.8	48.4	72.6#

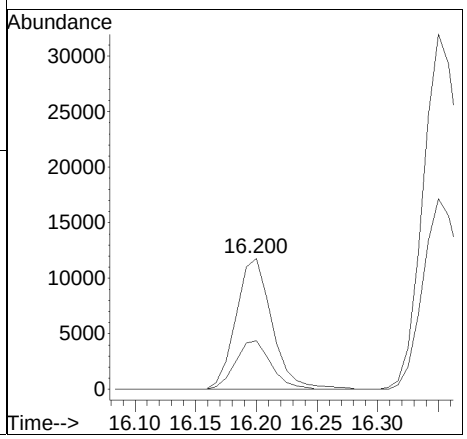


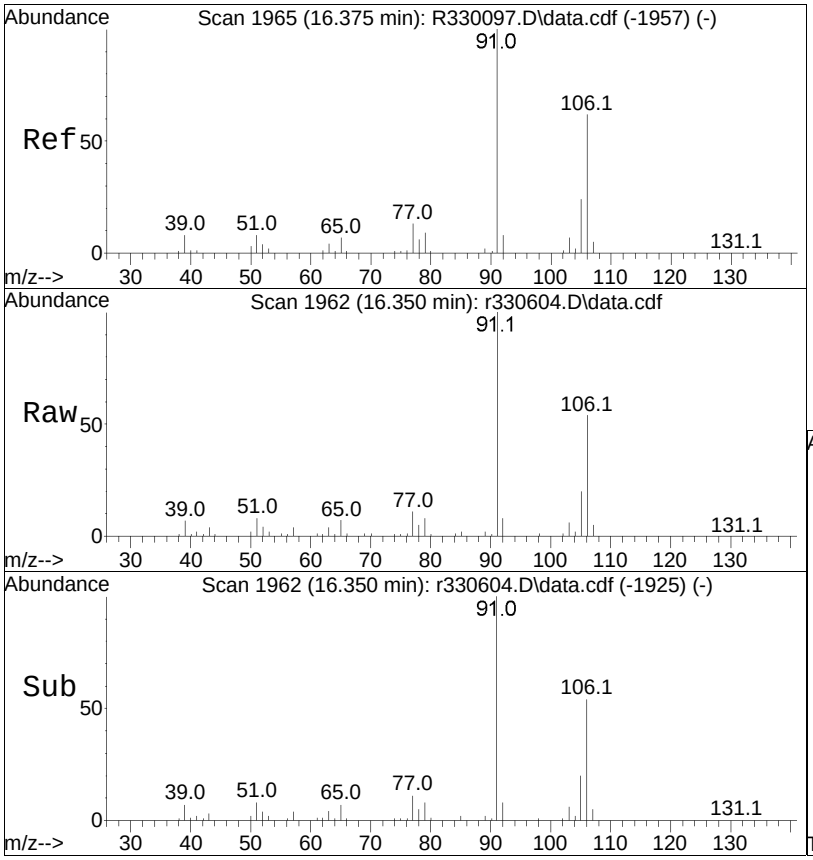


#81
ethylbenzene
Concen: 0.16 ppbV
RT: 16.200 min Scan# 1944
Delta R.T. -0.017 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion: 91 Resp: 24476

Ion	Ratio	Lower	Upper
91	100		
106	37.1	32.6	49.0

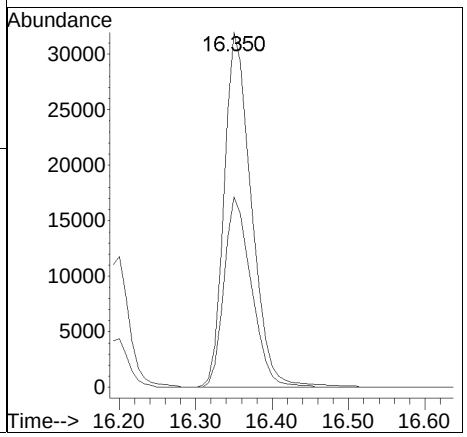


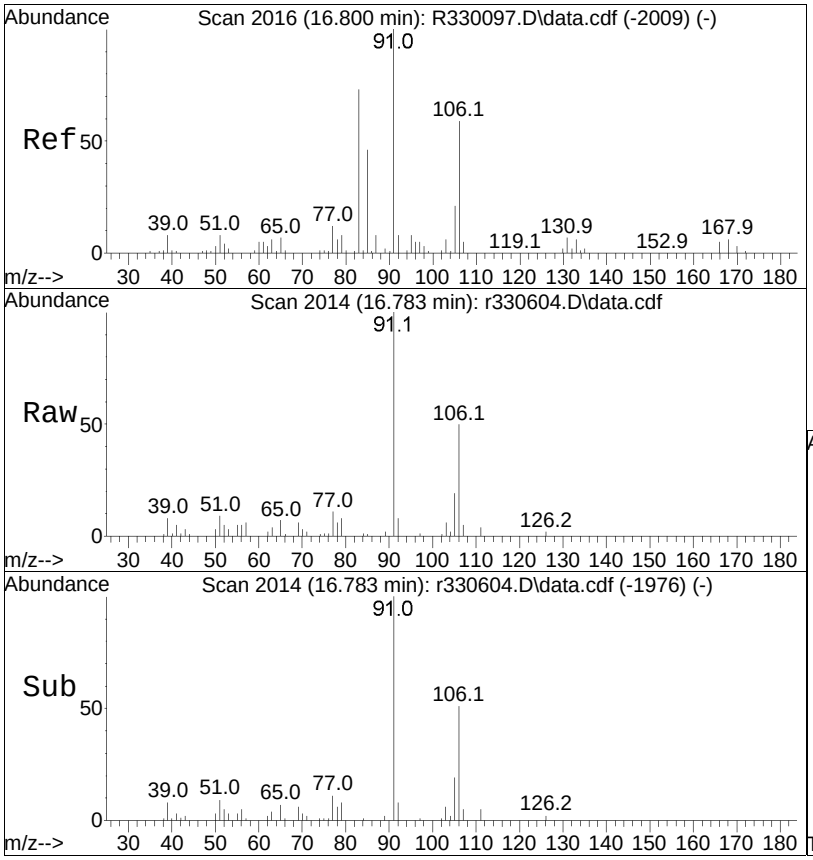


#83
m+p-xylene
Concen: 0.65 ppbV
RT: 16.350 min Scan# 1962
Delta R.T. -0.025 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion: 91 Resp: 79414

Ion	Ratio	Lower	Upper
91	100		
106	53.7	49.2	73.8

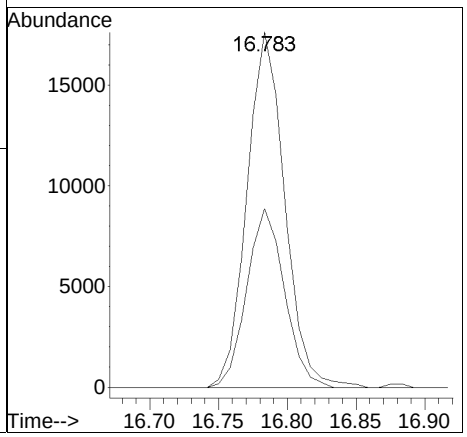


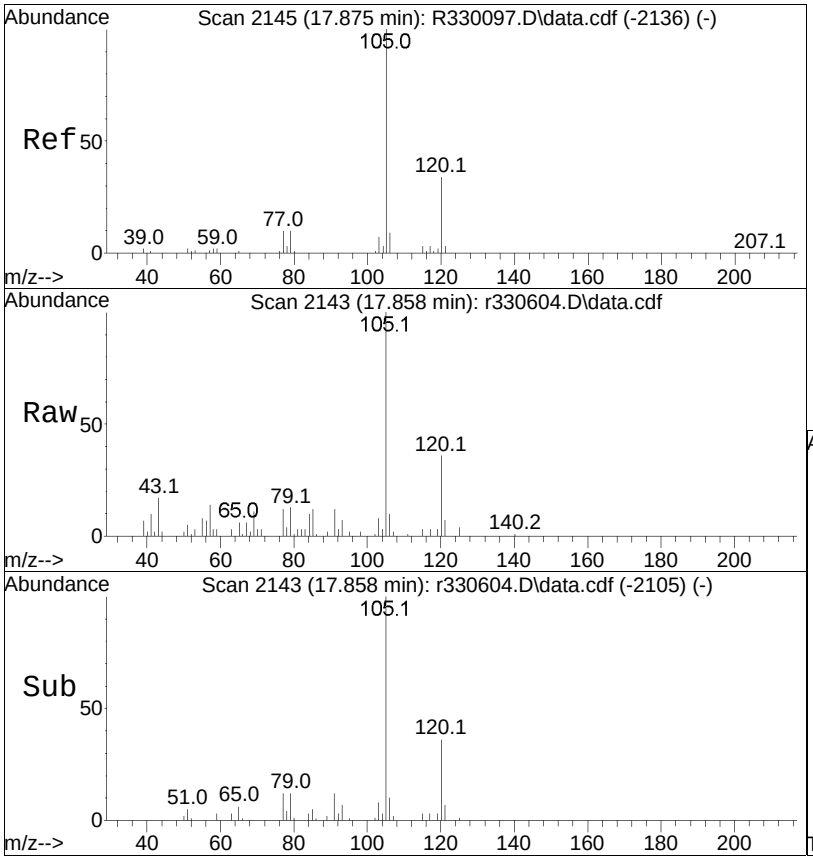


#87
o-xylene
Concen: 0.28 ppbV
RT: 16.783 min Scan# 2014
Delta R.T. -0.017 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion: 91 Resp: 33689

Ion	Ratio	Lower	Upper
91	100		
106	50.3	47.5	71.3

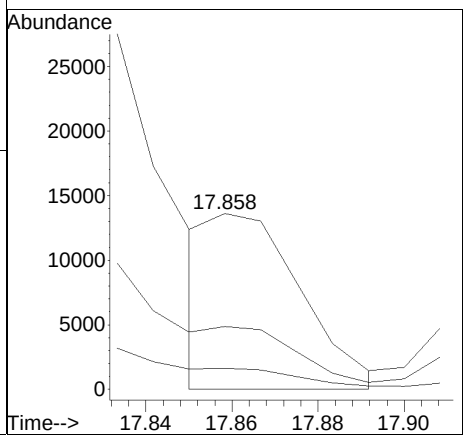


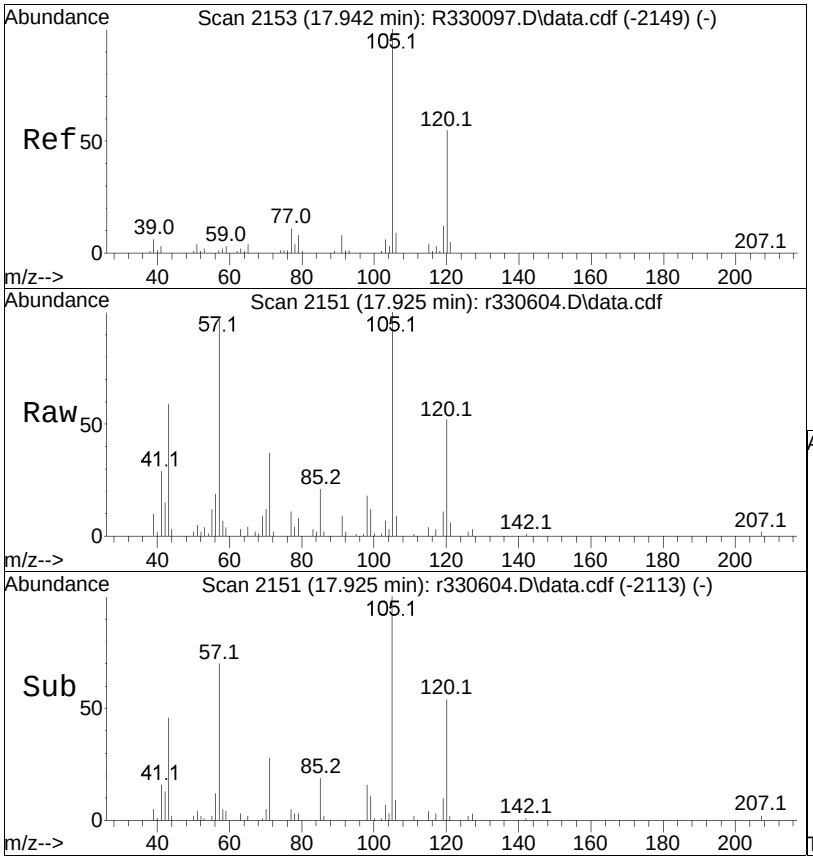


#96
4-ethyl toluene
Concen: 0.11 ppbV m
RT: 17.858 min Scan# 2143
Delta R.T. -0.017 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion:105 Resp: 19958

Ion	Ratio	Lower	Upper
105	100		
120	35.8	27.2	40.8
91	12.0	7.1	10.7#

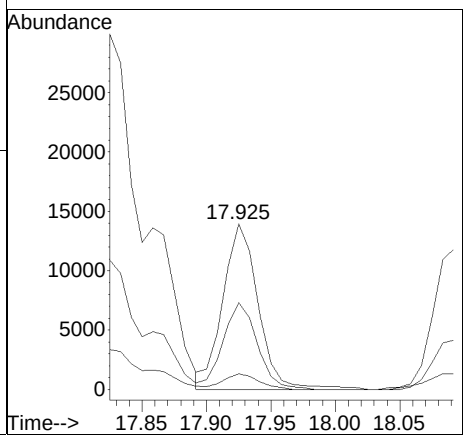


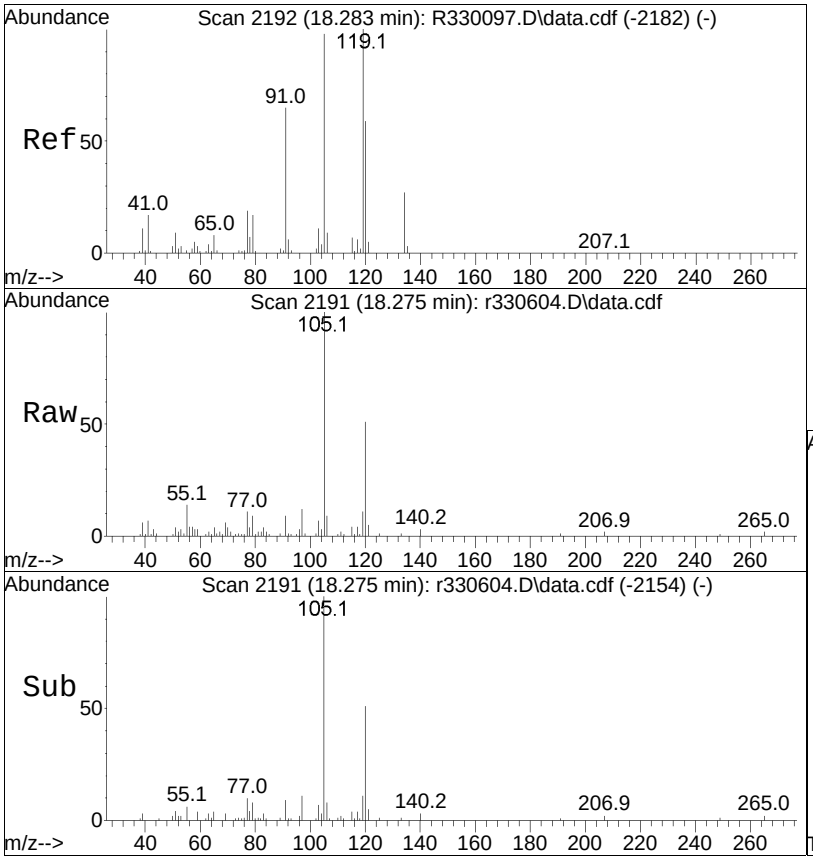


#97
1,3,5-trimethylbenzene
Concen: 0.17 ppbV
RT: 17.925 min Scan# 2151
Delta R.T. -0.017 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion:105 Resp: 26675

Ion	Ratio	Lower	Upper
105	100		
120	52.5	43.1	64.7
91	9.4	6.8	10.2

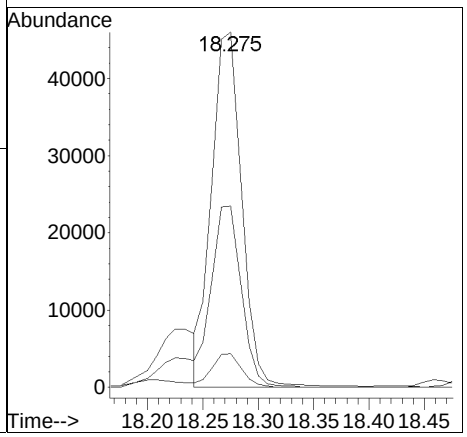


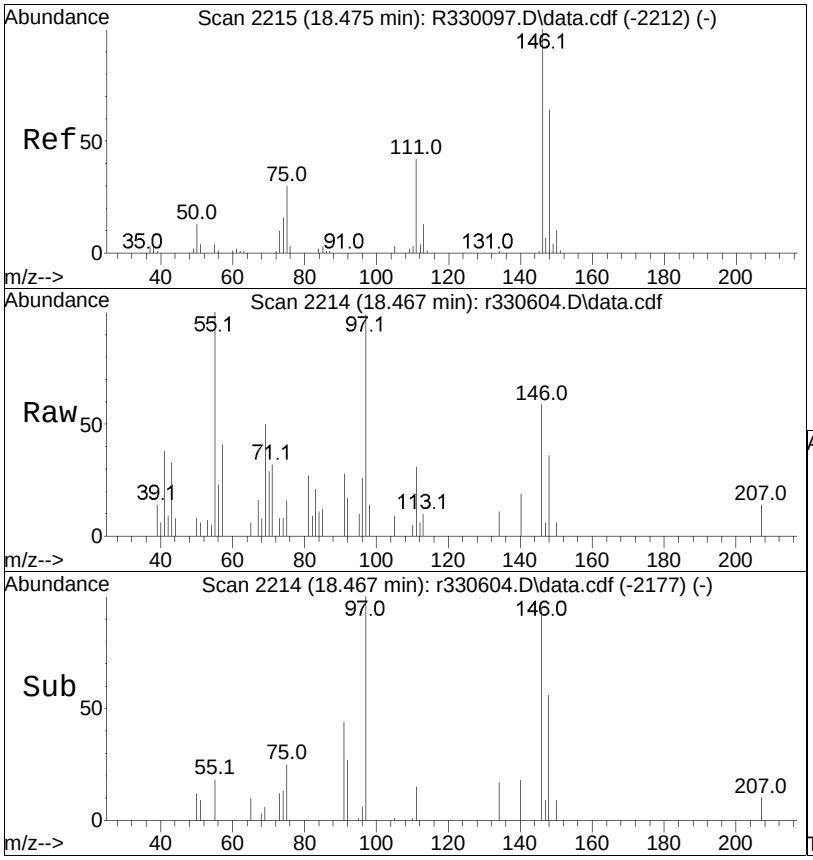


#99
1,2,4-trimethylbenzene
Concen: 0.58 ppbV m
RT: 18.275 min Scan# 2191
Delta R.T. -0.008 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion:105 Resp: 88003

Ion	Ratio	Lower	Upper
105	100		
120	51.0	47.8	71.8
91	9.5	53.4	80.0#

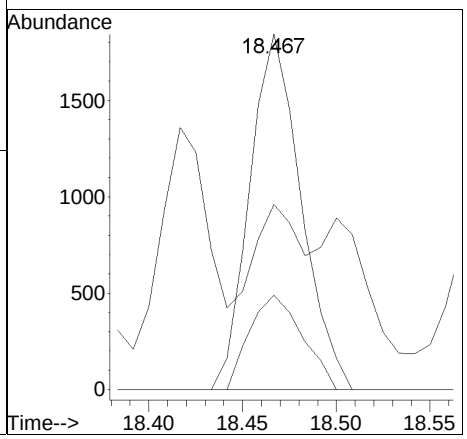


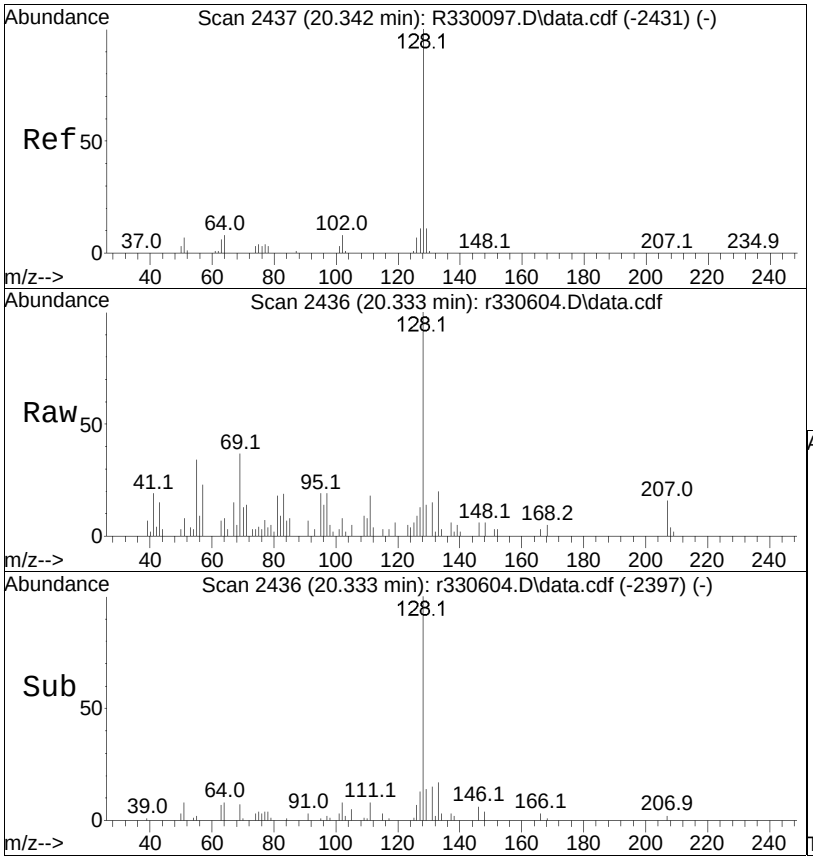


#103
1,4-dichlorobenzene
Concen: 0.04 ppbV
RT: 18.467 min Scan# 2214
Delta R.T. -0.008 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion:146 Resp: 3520

Ion	Ratio	Lower	Upper
146	100		
111	52.1	33.4	50.0#
75	26.5	23.6	35.4

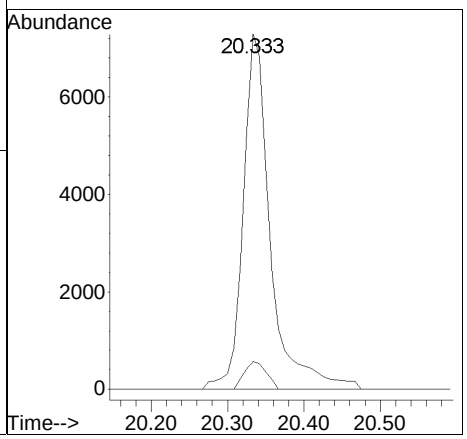




#116
naphthalene
Concen: 0.09 ppbV
RT: 20.333 min Scan# 2436
Delta R.T. -0.008 min
Lab File: r330604.D
Acq: 25 Apr 2024 3:51 AM

Tgt Ion:128 Resp: 18079

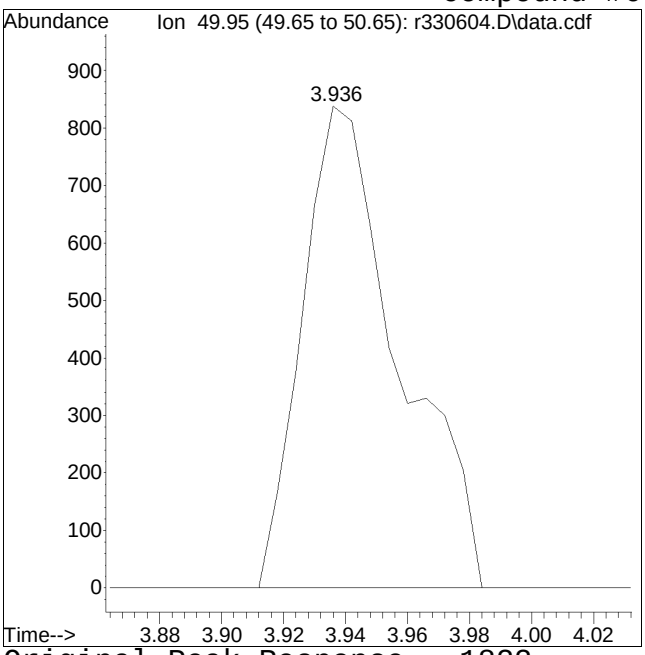
Ion	Ratio	Lower	Upper
128	100		
102	7.8	6.3	9.5



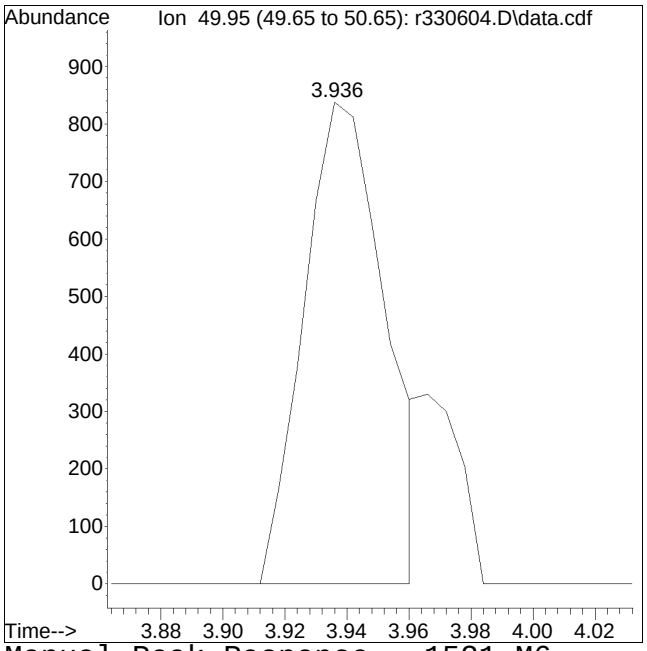
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : r330604.D Operator : AIRPIANO3:KJD
Date Inj'd : 4/25/2020 0:3: 1 Instrument :
Sample : L2419731-11,3,250,250 Quant Date : 4/25/2024 7:37 am

Compound #6: chloromethane



Original Peak Response = 1822



Manual Peak Response = 1521 M6

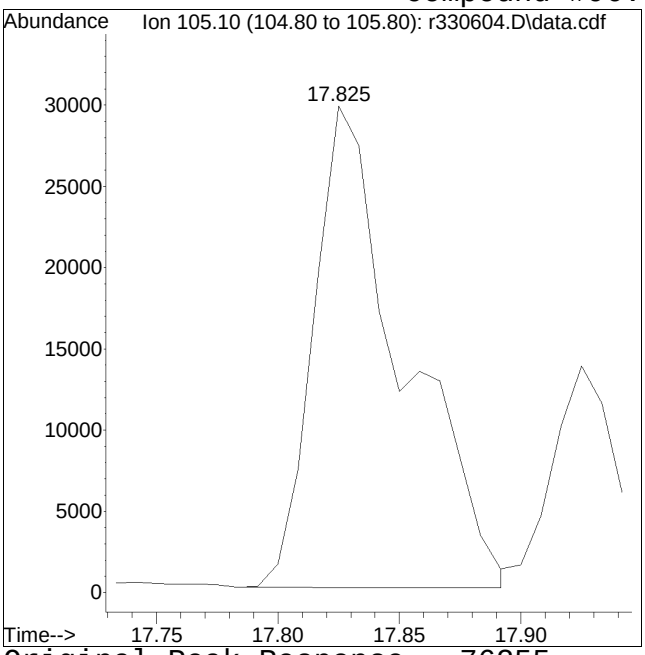
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

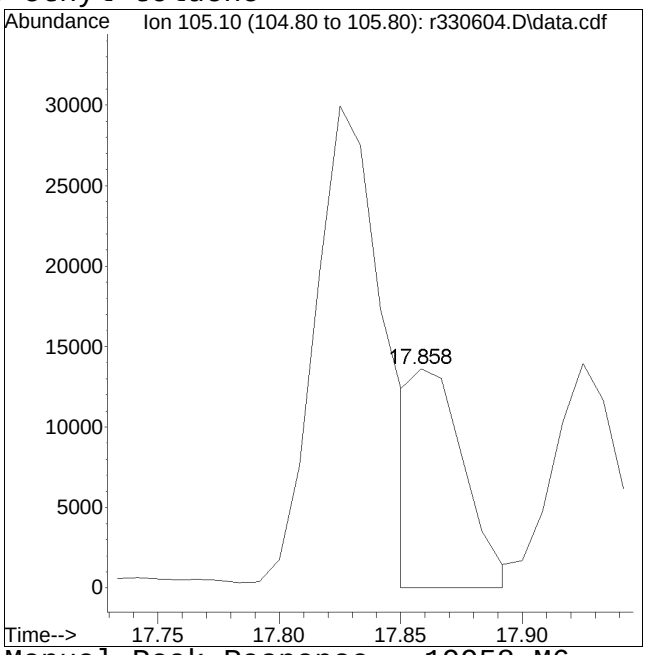
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330604.D
Date Inj'd : 4/25/2020 0:3: 1
Sample : L2419731-11,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:KJD
Instrument :
Quant Date : 4/25/2024 7:37 am

Compound #96: 4-ethyl toluene



Original Peak Response = 76255



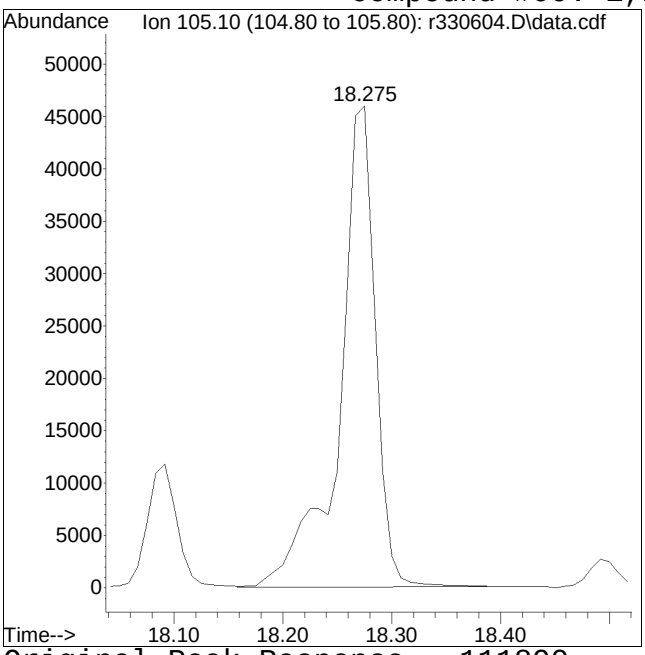
Manual Peak Response = 19958 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

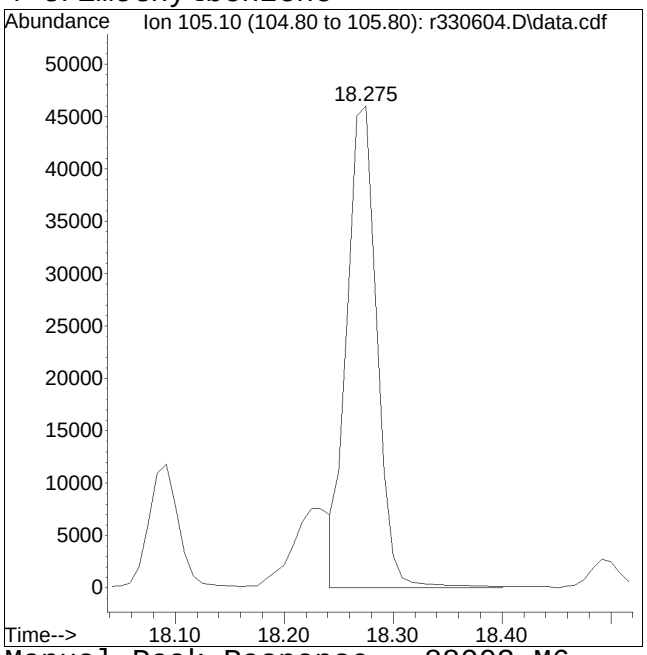
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : r330604.D Operator : AIRPIANO3:KJD
Date Inj'd : 4/25/2020 0:3: 1 Instrument :
Sample : L2419731-11,3,250,250 Quant Date : 4/25/2024 7:37 am

Compound #99: 1,2,4-trimethylbenzene



Original Peak Response = 111890



Manual Peak Response = 88003 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330605.D
Acq On : 25 Apr 2024 4:32 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-12,3,250,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:37:57 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.800	49	350227	10.000	ppbV	-0.02
Standard Area = 349686			Recovery = 100.15%			
43) 1,4-difluorobenzene	11.033	114	1192042	10.000	ppbV	-0.02
Standard Area = 1160525			Recovery = 102.72%			
67) chlorobenzene-D5	15.800	54	173793	10.000	ppbV	-0.02
Standard Area = 168249			Recovery = 103.30%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.780	85	16015	0.420	ppbV	98
6) chloromethane	3.936	50	1795M6	0.094	ppbV	
7) Freon-114	4.038		0	N.D.		
9) vinyl chloride	4.158	62	791	0.037	ppbV	92
10) 1,3-butadiene	0.000		0	N.D.	d	
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	4.866	31	241749	20.180	ppbV	82
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.367	43	4158844	109.107	ppbV #	78
21) trichlorofluoromethane	5.563	101	9210	0.237	ppbV	97
22) isopropyl alcohol	5.657	45	111807	2.200	ppbV #	96
26) 1,1-dichloroethene	0.000		0	N.D.		
27) tertiary butyl alcohol	6.322	59	13079	0.259	ppbV	95
28) methylene chloride	6.394	49	5866	0.209	ppbV	98
29) 3-chloropropene	0.000		0	N.D.		
30) carbon disulfide	6.688	76	11922	0.137	ppbV #	84
31) Freon 113	6.694	101	10417	0.227	ppbV	96
32) trans-1,2-dichloroethene	0.000		0	N.D.	d	
33) 1,1-dichloroethane	7.658	63	1814	0.036	ppbV	96
34) MTBE	0.000		0	N.D.	d	
36) 2-butanone	8.117	43	123514	1.895	ppbV #	95
37) cis-1,2-dichloroethene	8.608	61	2634	0.073	ppbV	96
38) Ethyl Acetate	8.900	61	6634	0.680	ppbV #	22
39) chloroform	8.950	83	5073	0.118	ppbV	95
40) Tetrahydrofuran	9.400	42	81122	1.928	ppbV	94
42) 1,2-dichloroethane	9.792	62	1744	0.063	ppbV #	93
44) hexane	8.867	57	71962	1.609	ppbV #	1

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330605.D
Acq On : 25 Apr 2024 4:32 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-12,3,250,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:37:57 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,1-trichloroethane	10.075	97	64037	1.784	ppbV	96
50) benzene	10.607	78	21498	0.212	ppbV #	91
52) carbon tetrachloride	10.773	117	2004	0.061	ppbV	93
53) cyclohexane	10.920	56	13328	0.281	ppbV #	86
56) 1,2-dichloropropane	0.000		0	N.D.		
57) bromodichloromethane	11.780		0	N.D.		
58) 1,4-dioxane	11.880		0	N.D.		
59) trichloroethene	11.840	130	1329	0.038	ppbV	95
60) 2,2,4-trimethylpentane	11.880	57	17582	0.121	ppbV	94
62) heptane	12.207	43	15808	0.244	ppbV	90
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.917	43	9525M6	0.125	ppbV	
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.	d	
68) toluene	14.008	91	67473	0.545	ppbV	99
72) 2-hexanone	0.000		0	N.D.	d	
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
78) tetrachloroethene	15.192	166	12160	0.218	ppbV	94
80) chlorobenzene	0.000		0	N.D.	d	
81) ethylbenzene	16.200	91	30291	0.195	ppbV	93
83) m+p-xylene	16.350	91	96948	0.777	ppbV	89
84) bromoform	0.000		0	N.D.		
85) styrene	16.700		0	N.D.		
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	d	
87) o-xylene	16.783	91	43974	0.356	ppbV	89
96) 4-ethyl toluene	17.858	105	26506M6	0.144	ppbV	
97) 1,3,5-trimethylbenzene	17.925	105	32970	0.206	ppbV	98
99) 1,2,4-trimethylbenzene	18.275	105	116585M6	0.758	ppbV	
101) Benzyl Chloride	0.000		0	N.D.	d	
102) 1,3-dichlorobenzene	0.000		0	N.D.	d	
103) 1,4-dichlorobenzene	18.467		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.333	128	16571	0.085	ppbV	99
119) hexachlorobutadiene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330605.D
Acq On : 25 Apr 2024 4:32 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-12,3,250,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:37:57 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

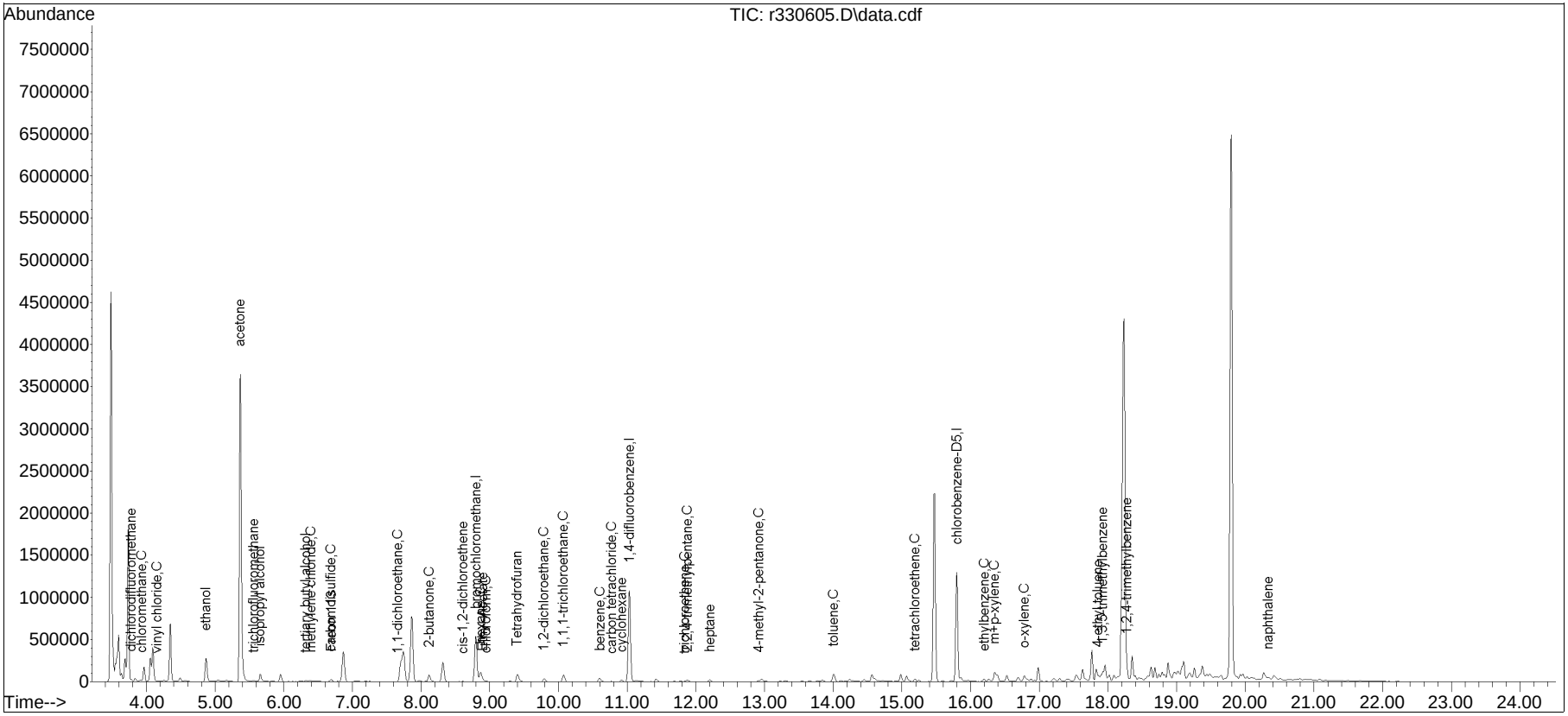
CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : TO15-NY+Naphthalene - .

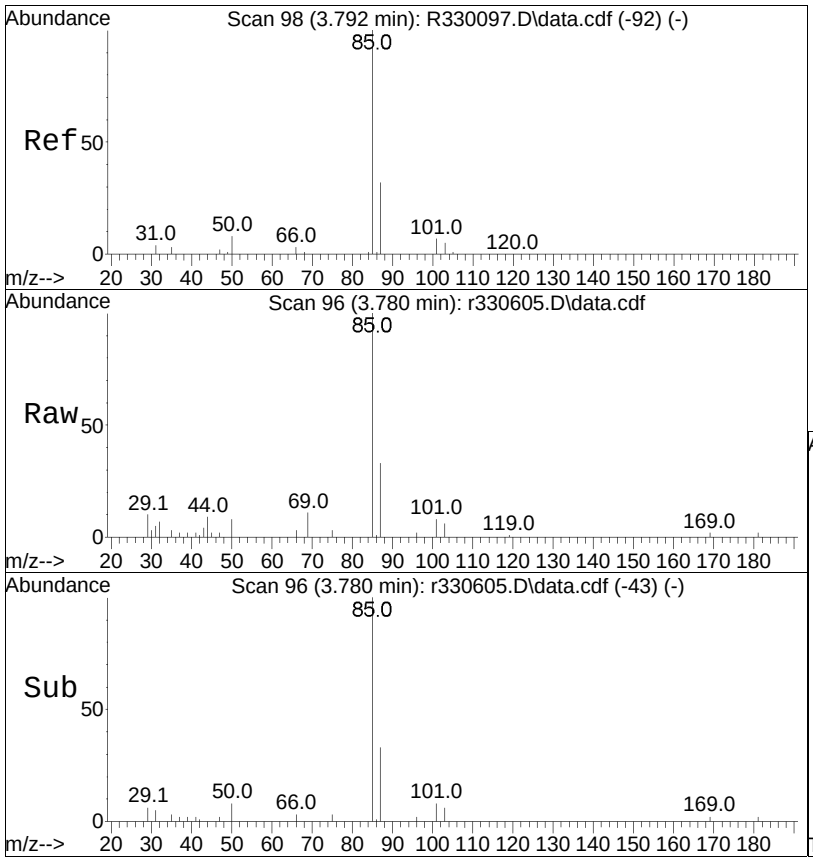
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : TO15-NY+Naphthalene - .ano3\2024\04\0424T\r330584.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330605.D
Acq On : 25 Apr 2024 4:32 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-12,3,250,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:37:57 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

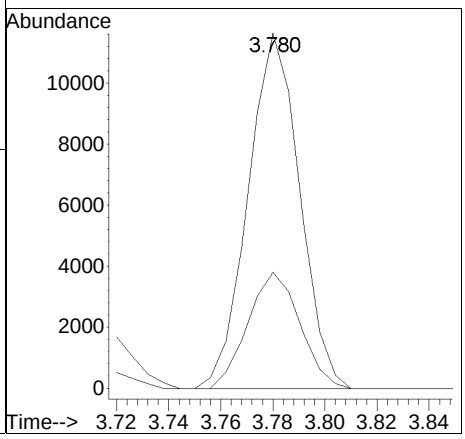


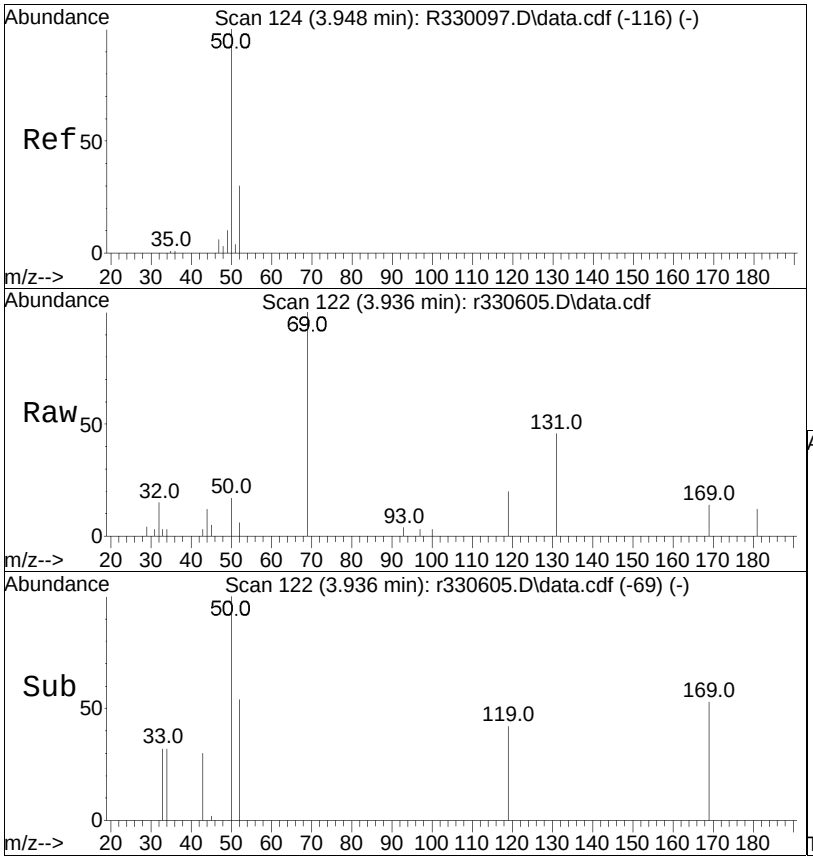


#5
dichlorodifluoromethane
Concen: 0.42 ppbV
RT: 3.780 min Scan# 96
Delta R.T. -0.012 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion: 85 Resp: 16015

Ion	Ratio	Lower	Upper
85	100		
87	32.7	25.4	38.2

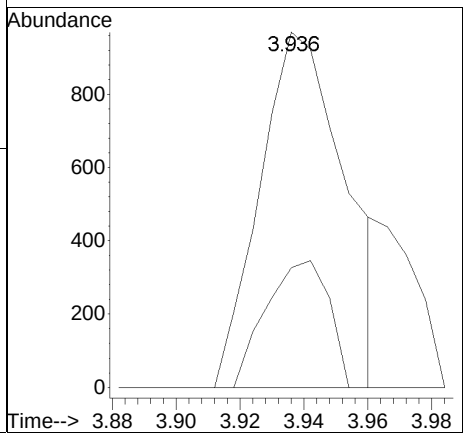


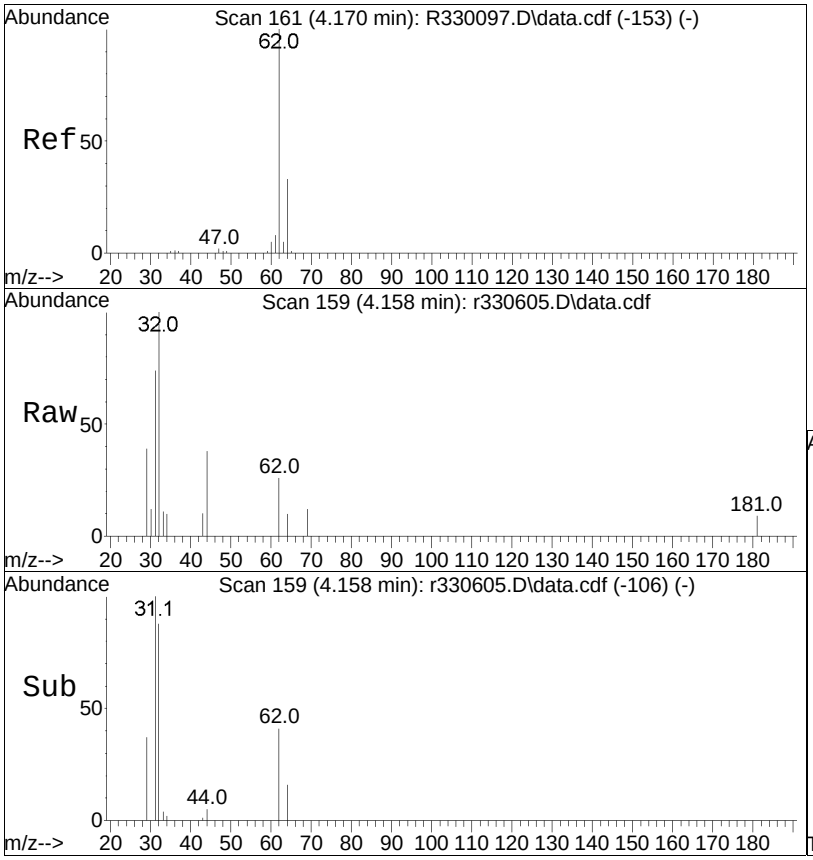


#6
chloromethane
Concen: 0.09 ppbV m
RT: 3.936 min Scan# 122
Delta R.T. -0.012 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion: 50 Resp: 1795

Ion	Ratio	Lower	Upper
50	100		
52	33.7	24.0	36.0

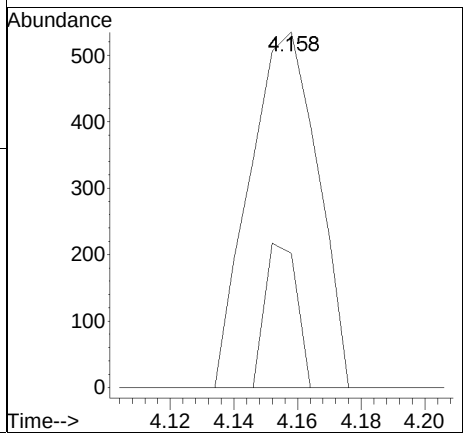


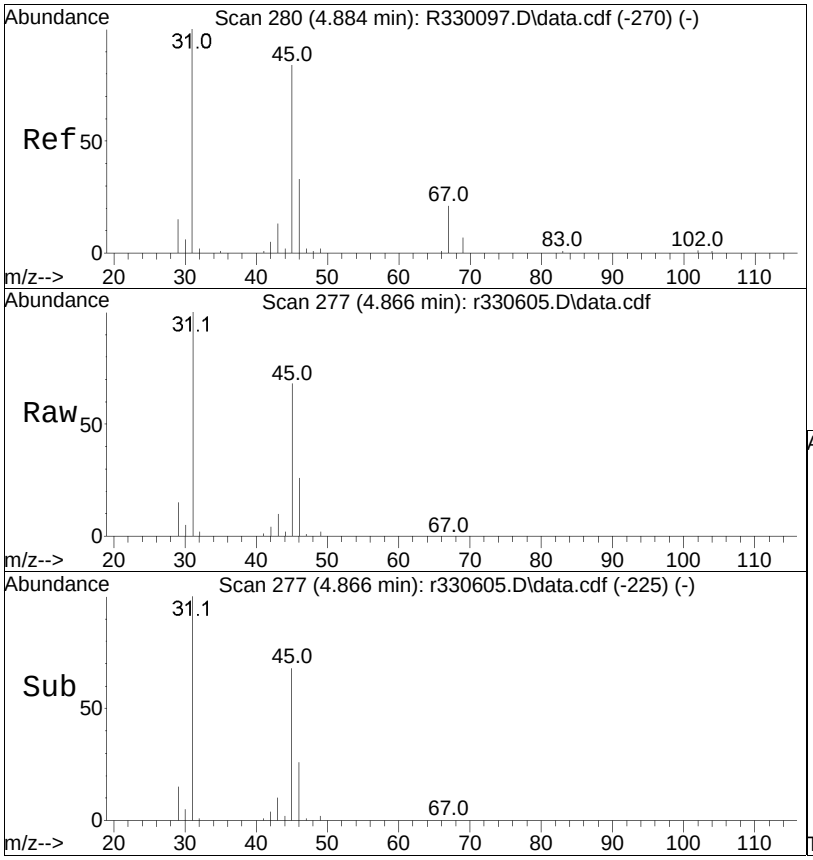


#9
vinyl chloride
Concen: 0.04 ppbV
RT: 4.158 min Scan# 159
Delta R.T. -0.012 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion: 62 Resp: 791

Ion	Ratio	Lower	Upper
62	100		
64	37.8	26.4	39.6

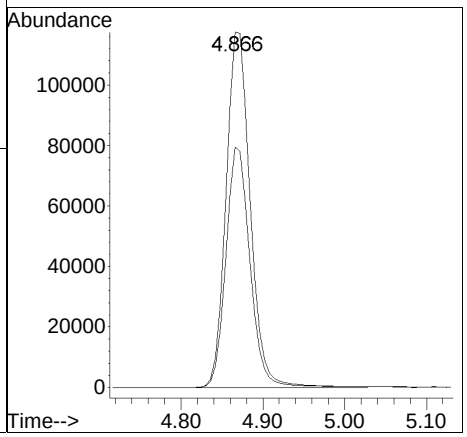


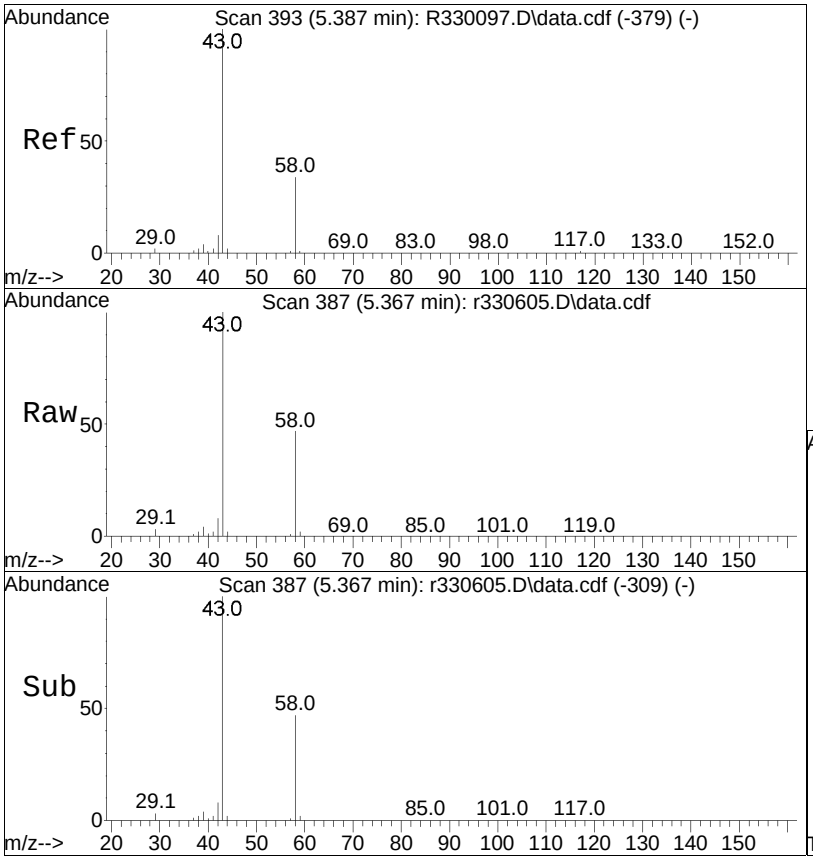


#15
ethanol
Concen: 20.18 ppbV
RT: 4.866 min Scan# 277
Delta R.T. -0.018 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion: 31 Resp: 241749

Ion	Ratio	Lower	Upper
31	100		
45	67.6	67.5	101.3

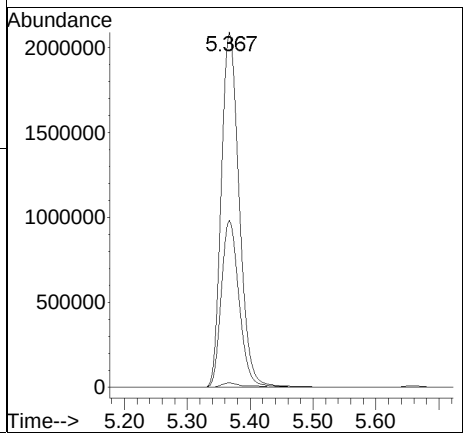


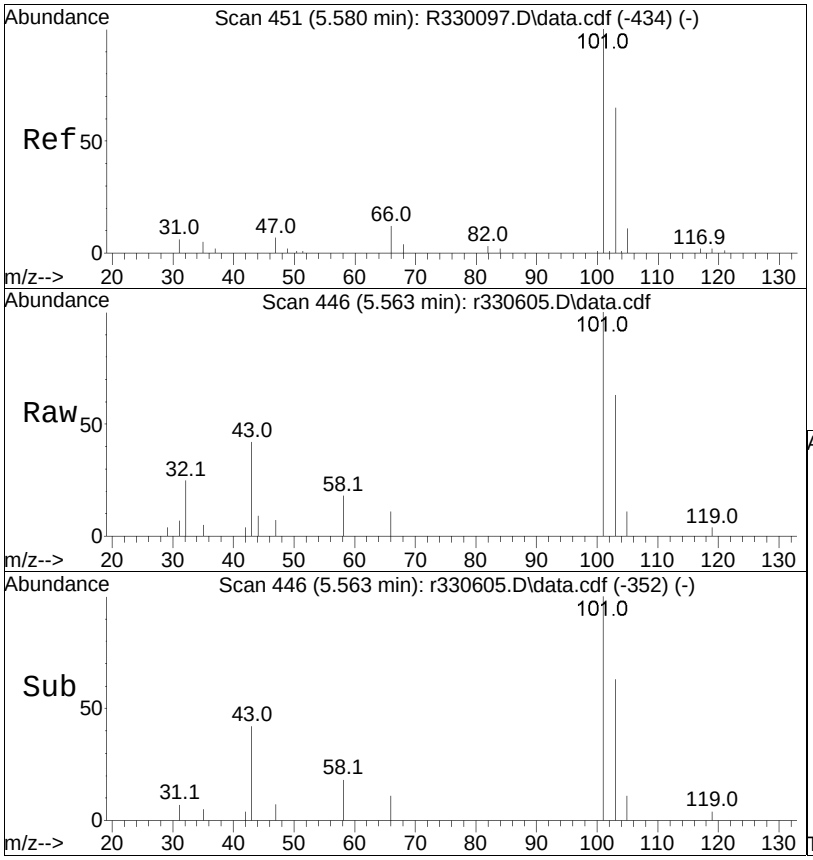


#19
acetone
Concen: 109.11 ppbV
RT: 5.367 min Scan# 387
Delta R.T. -0.020 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion: 43 Resp: 4158844

Ion	Ratio	Lower	Upper
43	100		
58	47.1	27.3	40.9#
57	1.2	0.8	1.2#

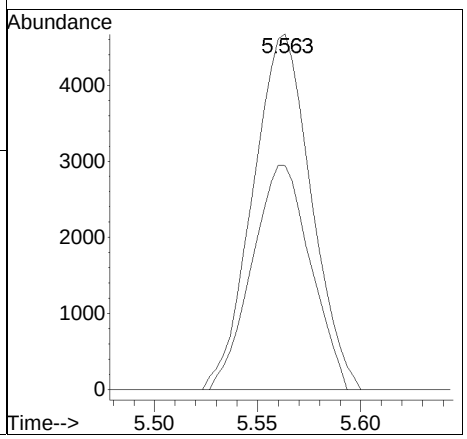


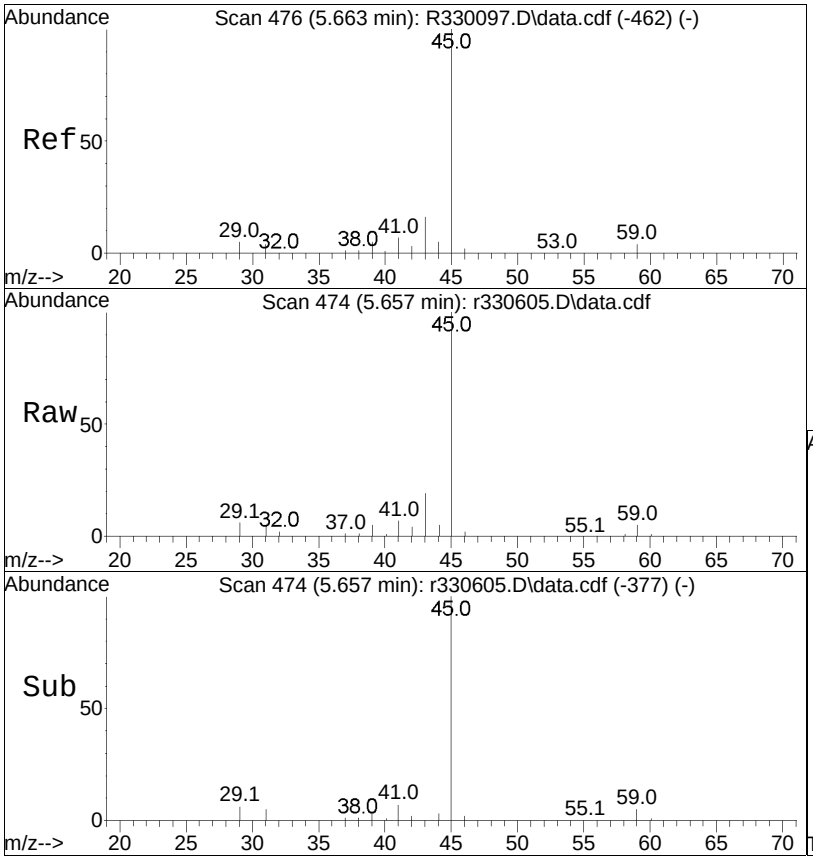


#21
trichlorofluoromethane
Concen: 0.24 ppbV
RT: 5.563 min Scan# 446
Delta R.T. -0.017 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion:101 Resp: 9210

Ion	Ratio	Lower	Upper
101	100		
103	63.0	52.0	78.0

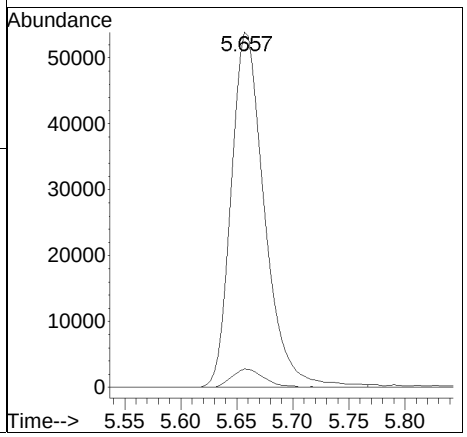


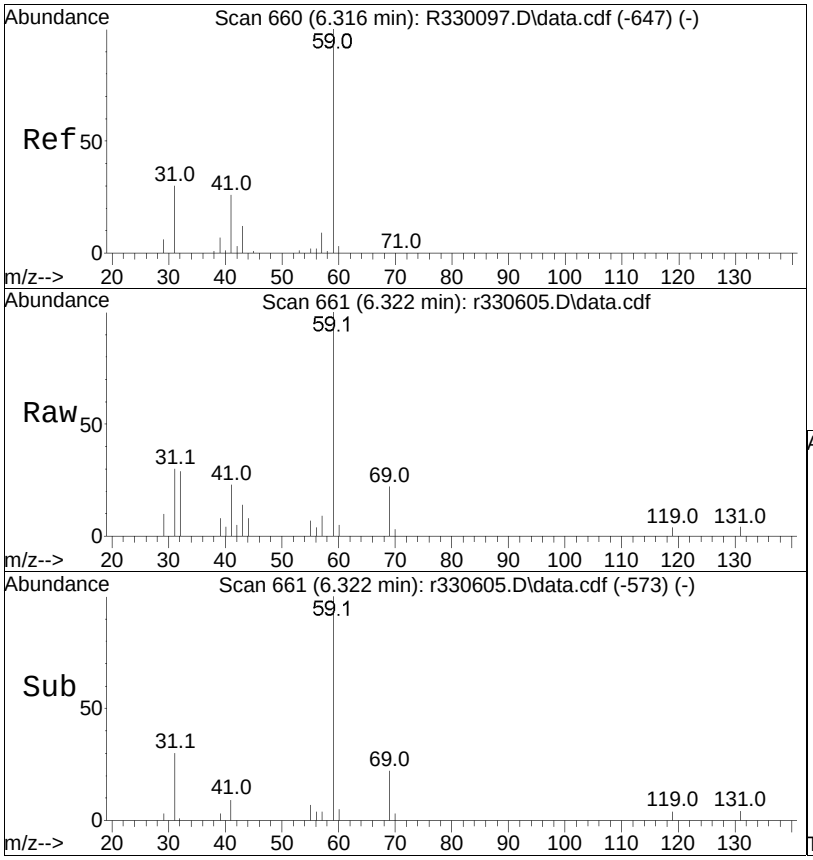


#22
isopropyl alcohol
Concen: 2.20 ppbV
RT: 5.657 min Scan# 474
Delta R.T. -0.006 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion: 45 Resp: 111807

Ion	Ratio	Lower	Upper
45	100		
59	5.2	3.0	4.4#

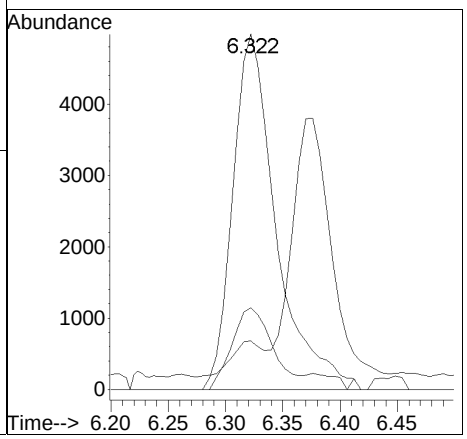


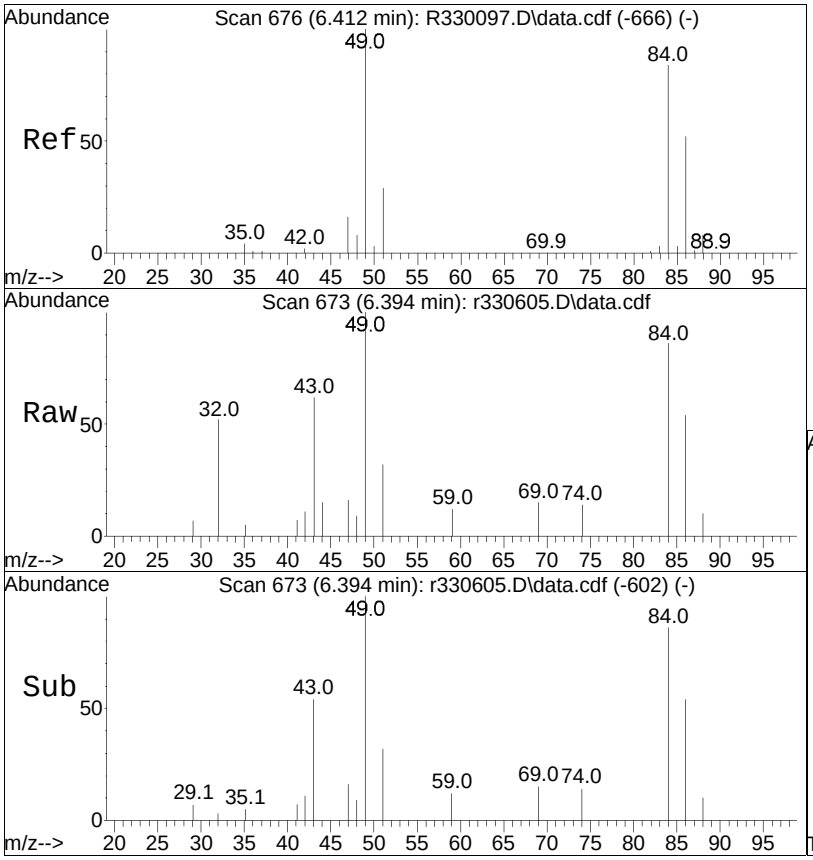


#27
tertiary butyl alcohol
Concen: 0.26 ppbV
RT: 6.322 min Scan# 661
Delta R.T. 0.006 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion: 59 Resp: 13079

Ion	Ratio	Lower	Upper
59	100		
41	23.0	20.4	30.6
43	13.7	9.4	14.0

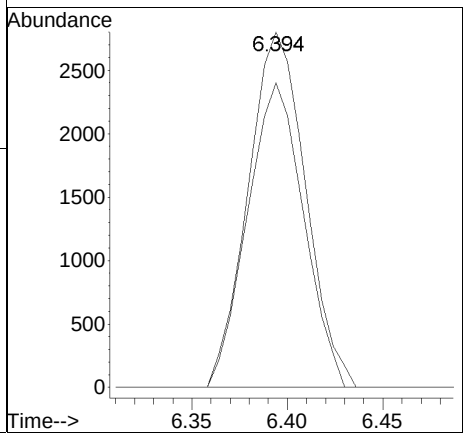


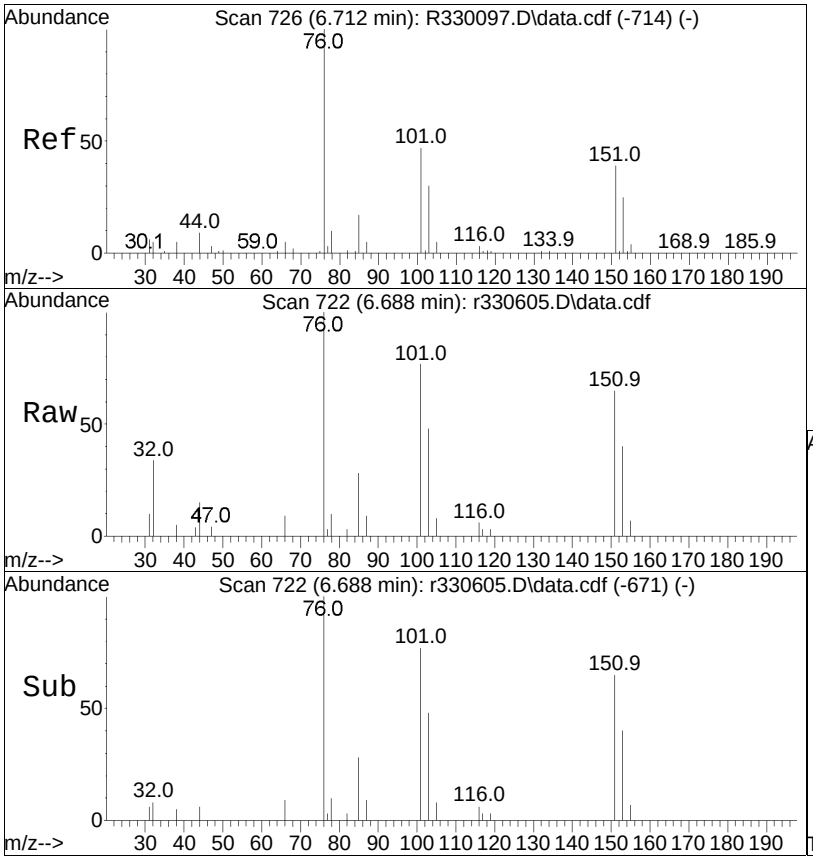


#28
methylene chloride
Concen: 0.21 ppbV
RT: 6.394 min Scan# 673
Delta R.T. -0.018 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion: 49 Resp: 5866

Ion	Ratio	Lower	Upper
49	100		
84	85.7	67.0	100.4

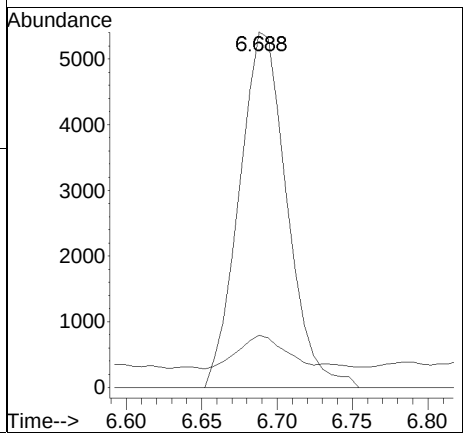


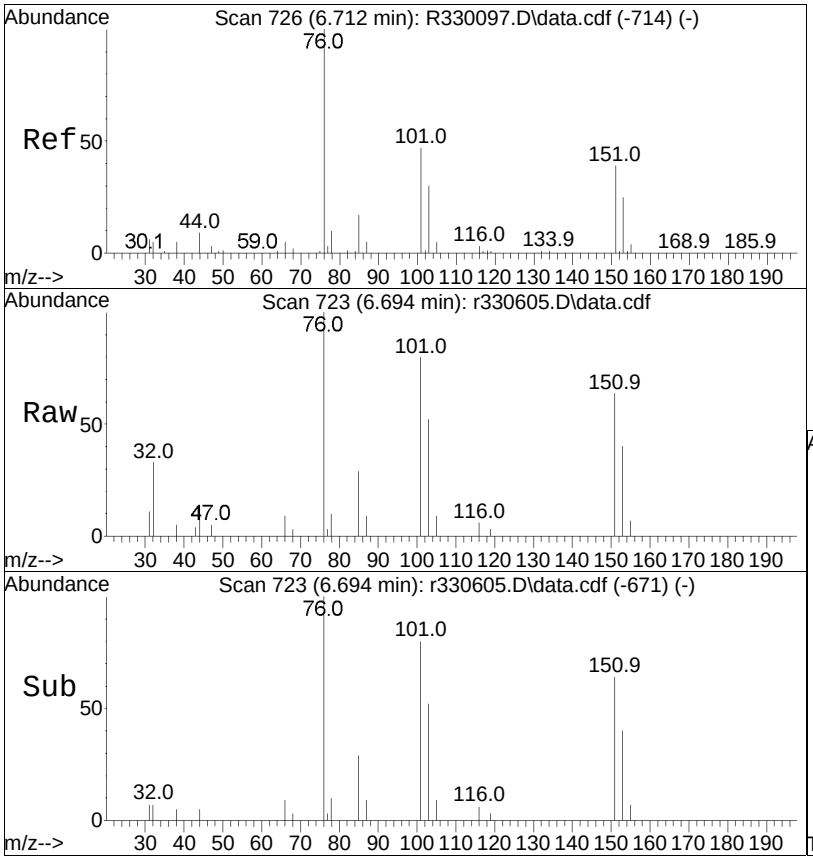


#30
carbon disulfide
Concen: 0.14 ppbV
RT: 6.688 min Scan# 722
Delta R.T. -0.024 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion: 76 Resp: 11922

Ion	Ratio	Lower	Upper
76	100		
44	14.7	7.1	10.7#

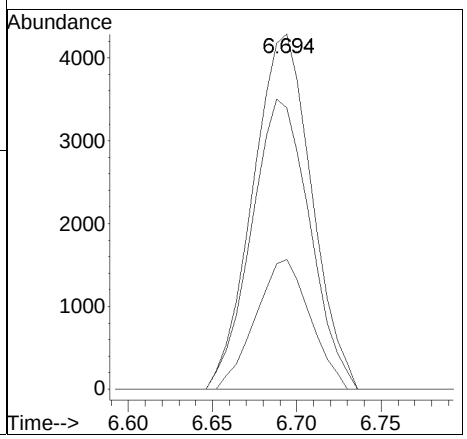


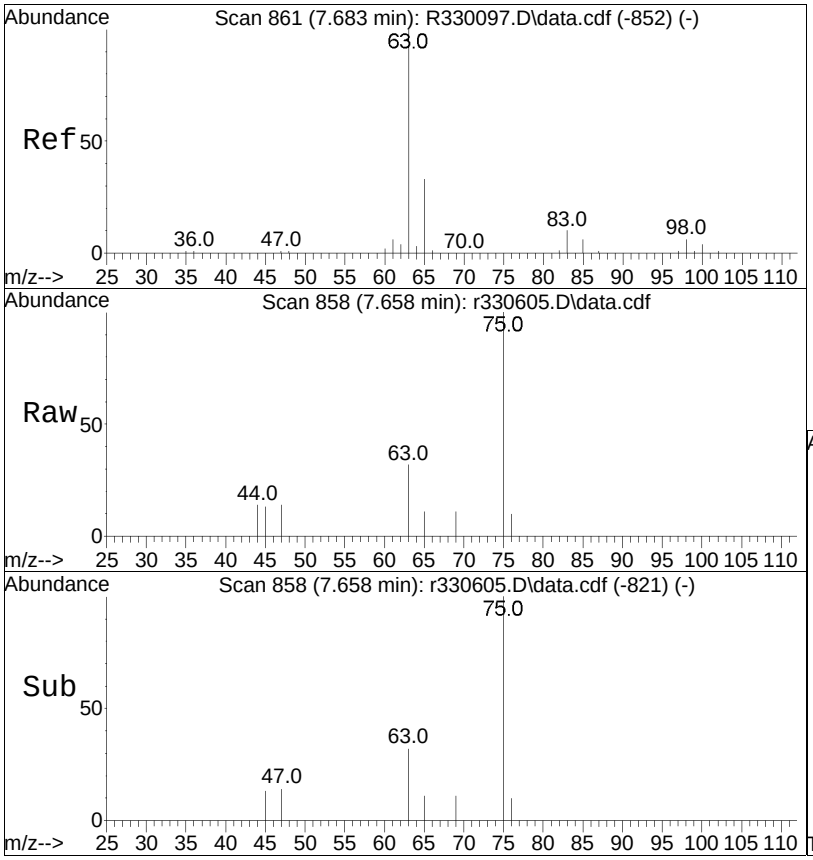


#31
Freon 113
Concen: 0.23 ppbV
RT: 6.694 min Scan# 723
Delta R.T. -0.018 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion:101 Resp: 10417

Ion	Ratio	Lower	Upper
101	100		
85	36.5	28.5	42.7
151	79.2	66.9	100.3

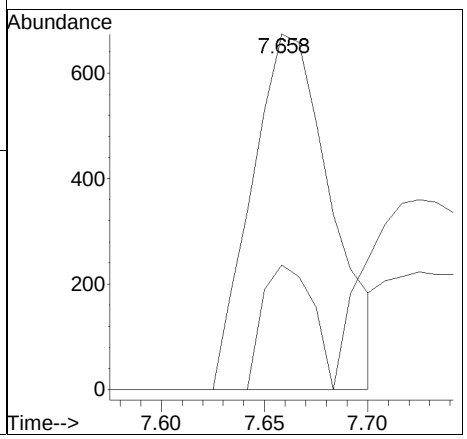


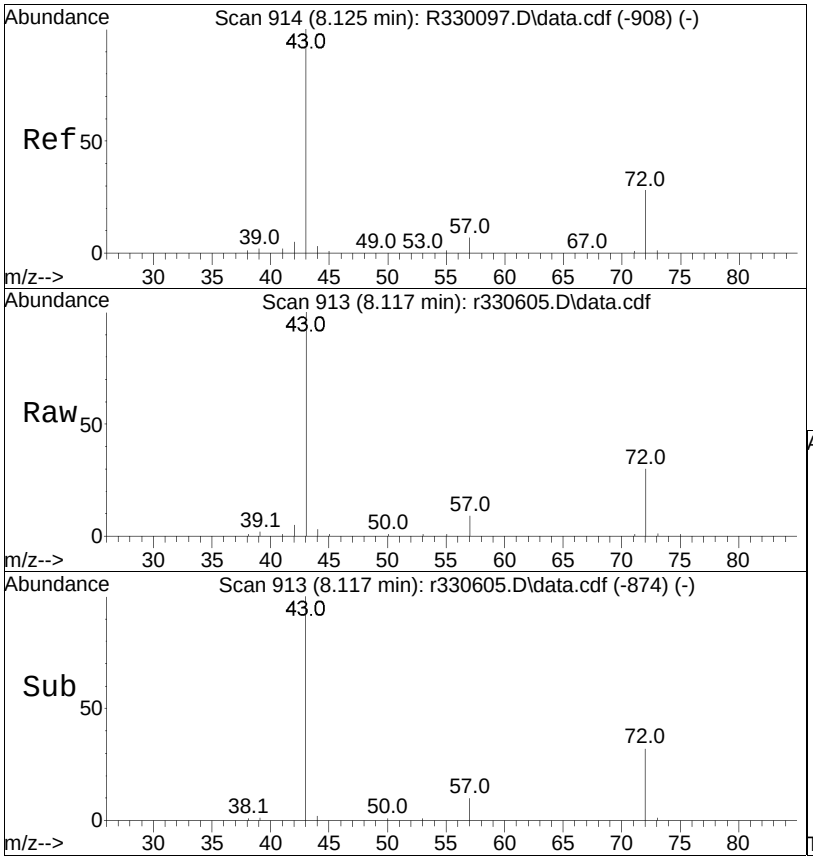


#33
1,1-dichloroethane
Concen: 0.04 ppbV
RT: 7.658 min Scan# 858
Delta R.T. -0.025 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion: 63 Resp: 1814

Ion	Ratio	Lower	Upper
63	100		
65	35.0	26.2	39.4

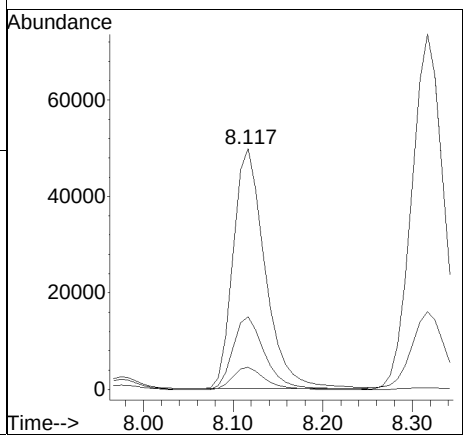


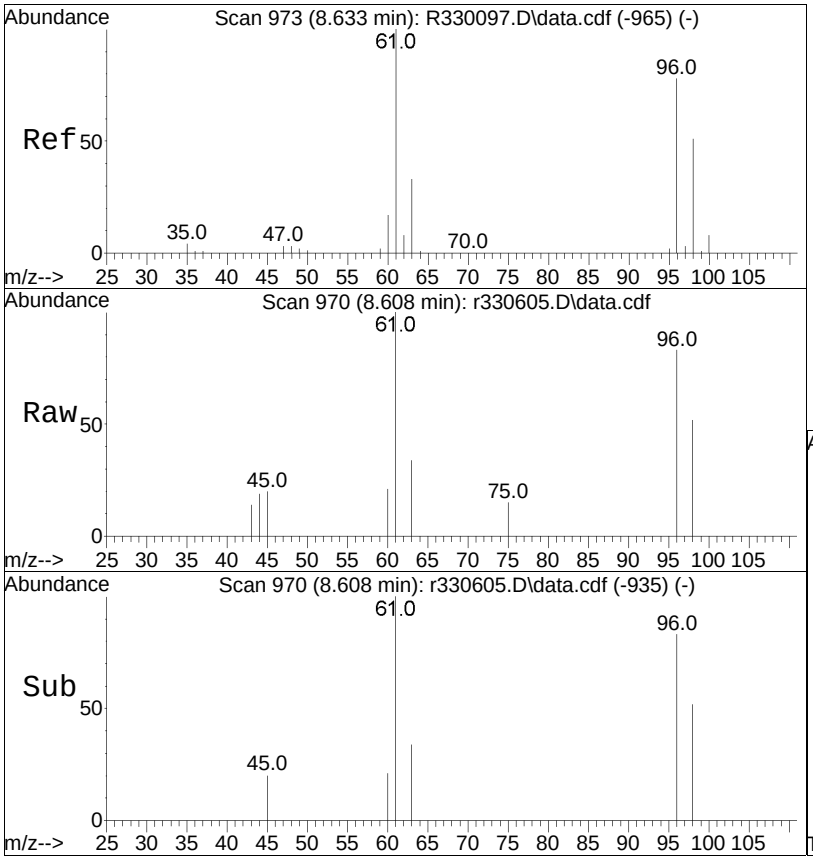


#36
2-butanone
Concen: 1.89 ppbV
RT: 8.117 min Scan# 913
Delta R.T. -0.008 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion: 43 Resp: 123514

Ion	Ratio	Lower	Upper
43	100		
72	30.1	22.1	33.1
57	9.2	5.3	7.9#

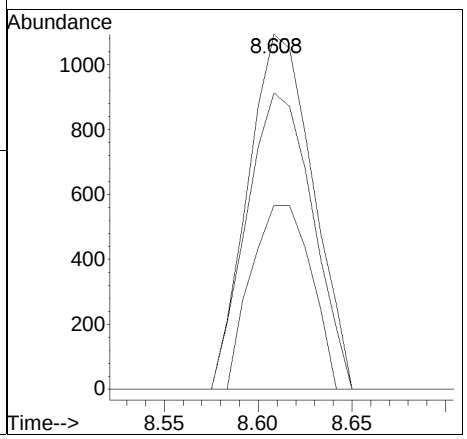


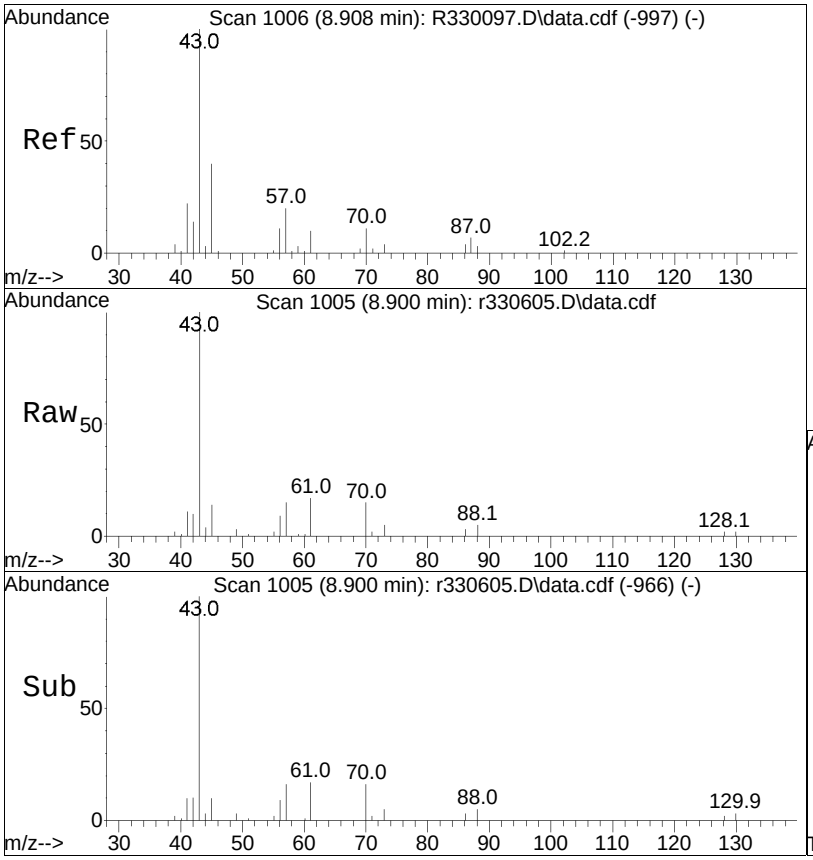


#37
cis-1,2-dichloroethene
Concen: 0.07 ppbV
RT: 8.608 min Scan# 970
Delta R.T. -0.025 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion: 61 Resp: 2634

Ion	Ratio	Lower	Upper
61	100		
96	83.5	62.6	94.0
98	51.8	40.7	61.1

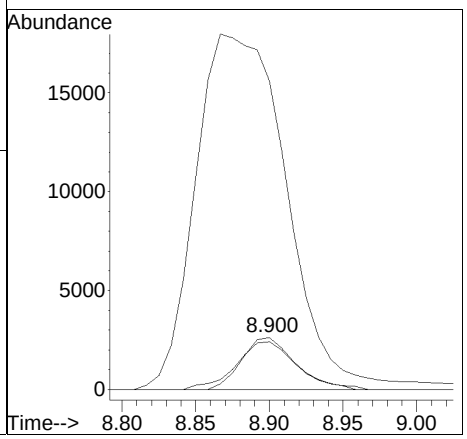


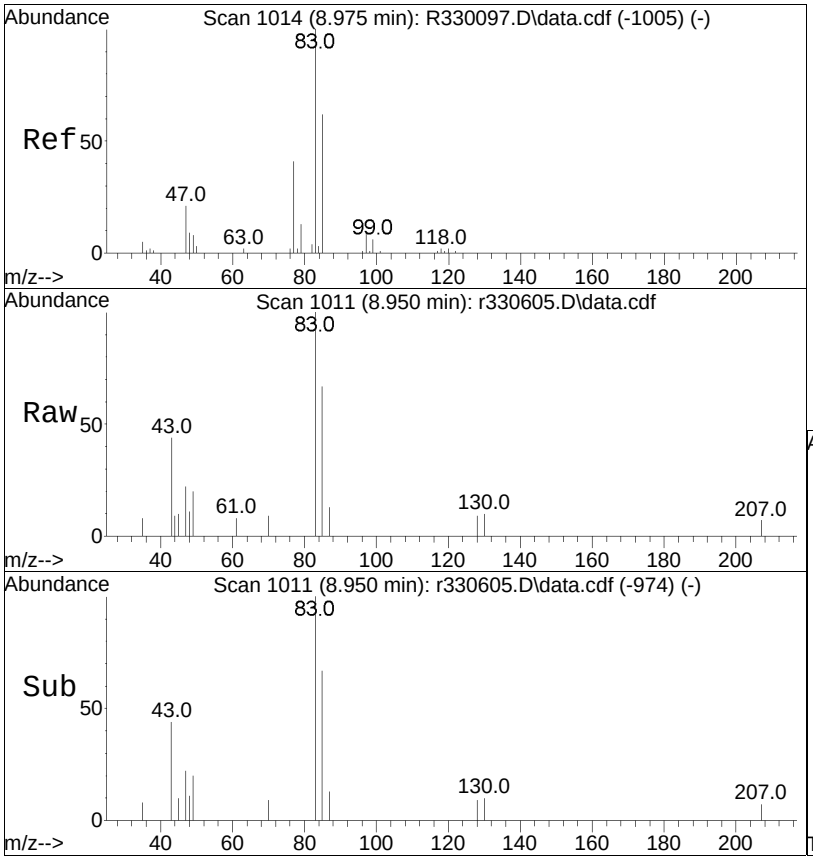


#38
Ethyl Acetate
Concen: 0.68 ppbV
RT: 8.900 min Scan# 1005
Delta R.T. -0.008 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion: 61 Resp: 6634

Ion	Ratio	Lower	Upper
61	100		
70	92.0	87.4	131.0
43	594.3	771.8	1157.6#

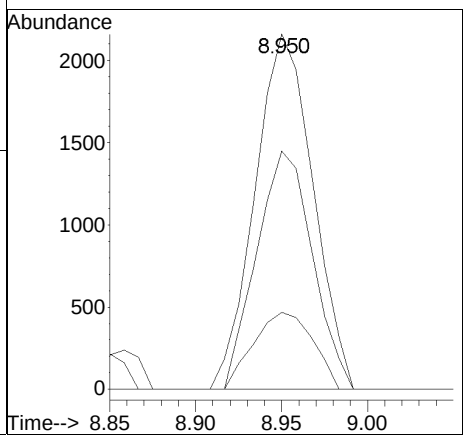


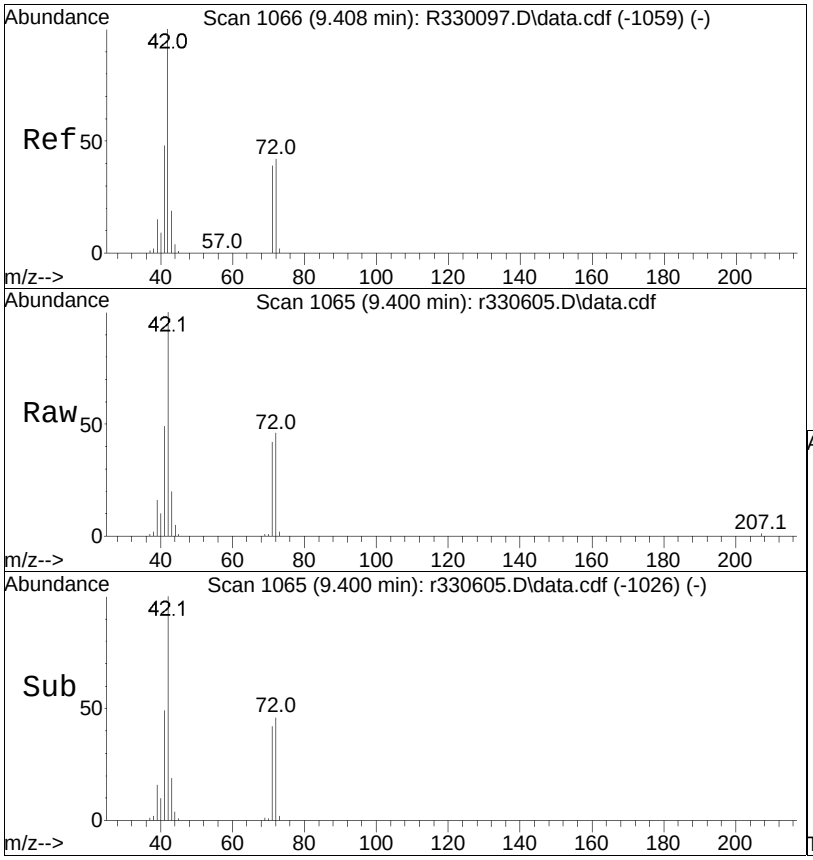


#39
chloroform
Concen: 0.12 ppbV
RT: 8.950 min Scan# 1011
Delta R.T. -0.025 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion: 83 Resp: 5073

Ion	Ratio	Lower	Upper
83	100		
85	67.1	49.8	74.8
47	21.7	16.8	25.2

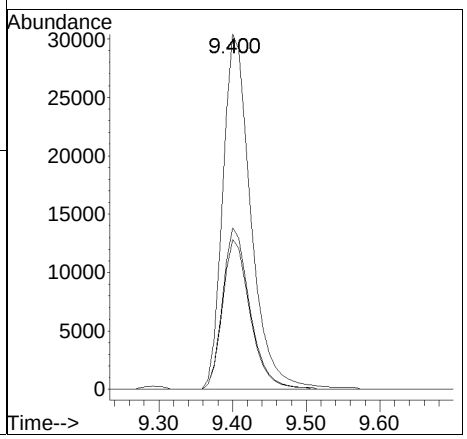


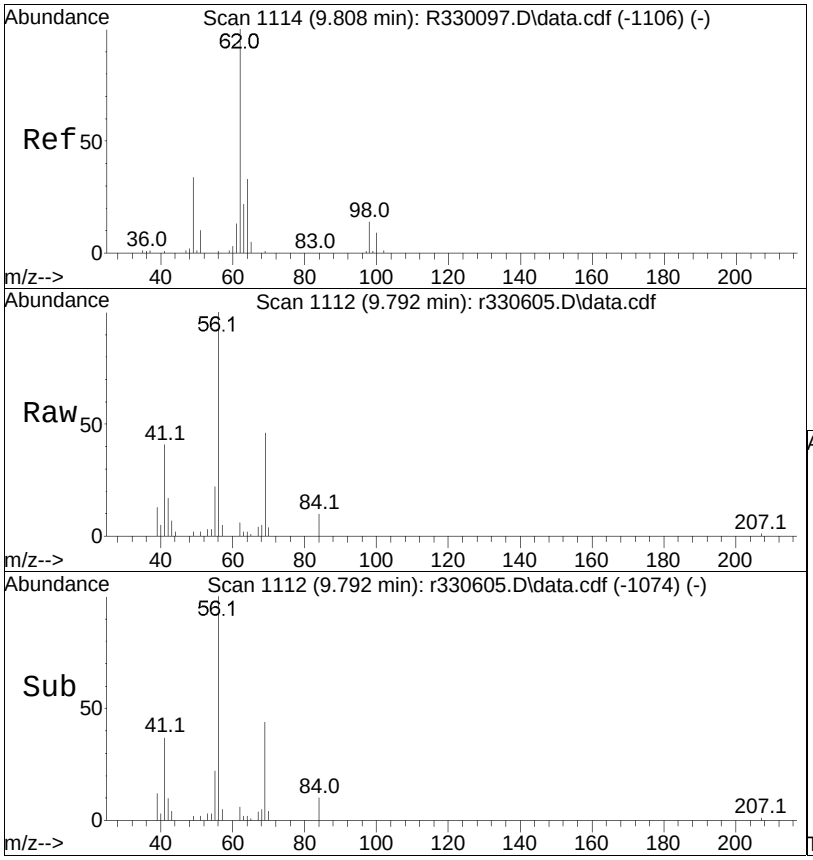


#40
Tetrahydrofuran
Concen: 1.93 ppbV
RT: 9.400 min Scan# 1065
Delta R.T. -0.008 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion: 42 Resp: 81122

Ion	Ratio	Lower	Upper
42	100		
71	42.2	31.0	46.4
72	45.5	33.4	50.2

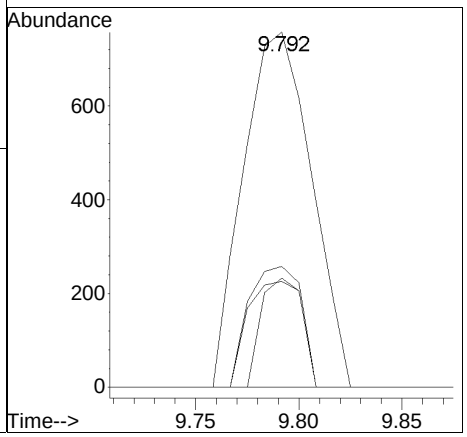


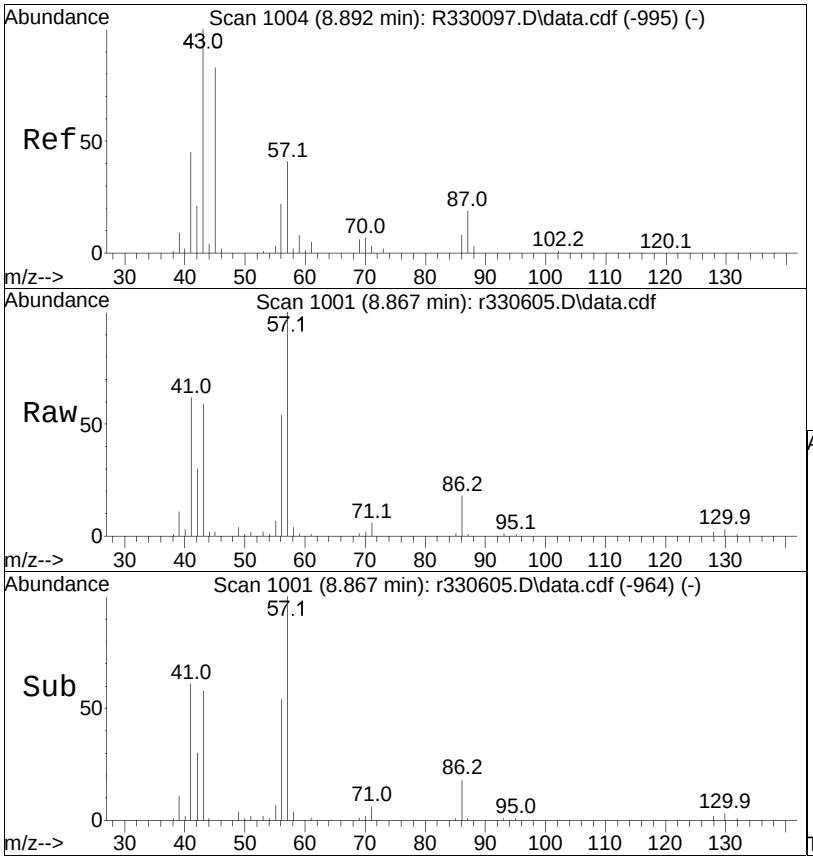


#42
1,2-dichloroethane
Concen: 0.06 ppbV
RT: 9.792 min Scan# 1112
Delta R.T. -0.016 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion: 62 Resp: 1744

Ion	Ratio	Lower	Upper
62	100		
64	34.0	26.9	40.3
49	29.8	26.8	40.2
63	30.7	17.5	26.3#

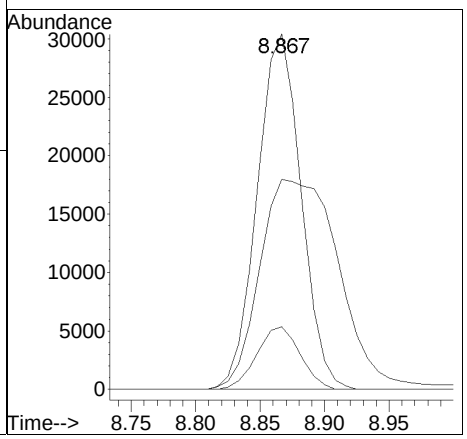


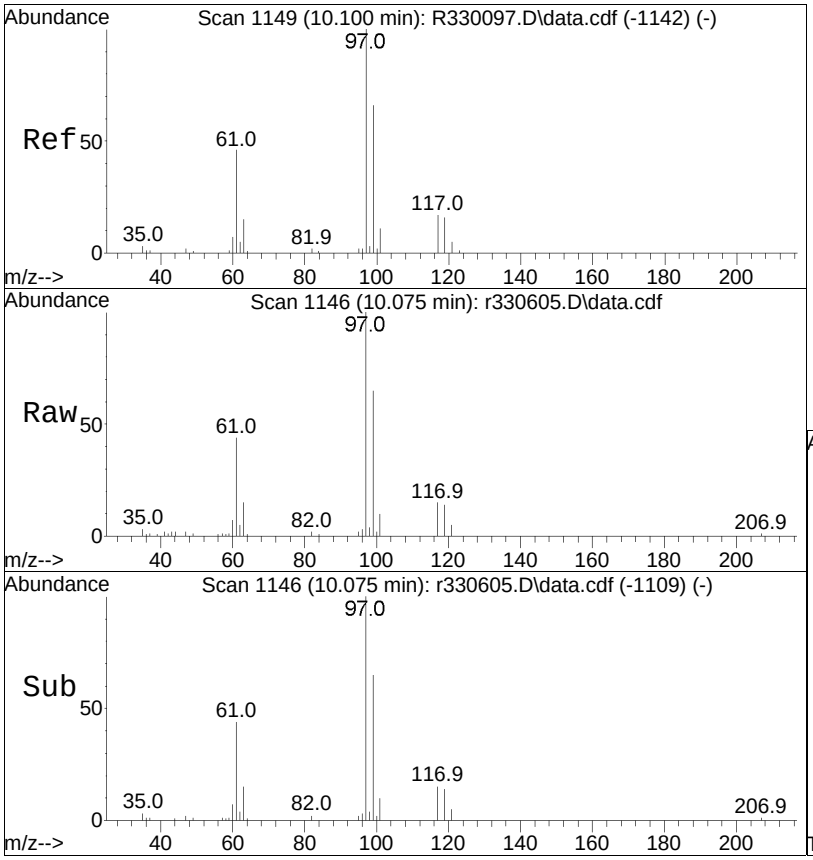


#44
hexane
Concen: 1.61 ppbV
RT: 8.867 min Scan# 1001
Delta R.T. -0.025 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion: 57 Resp: 71962

Ion	Ratio	Lower	Upper
57	100		
43	59.1	196.5	294.7#
86	17.6	15.8	23.6

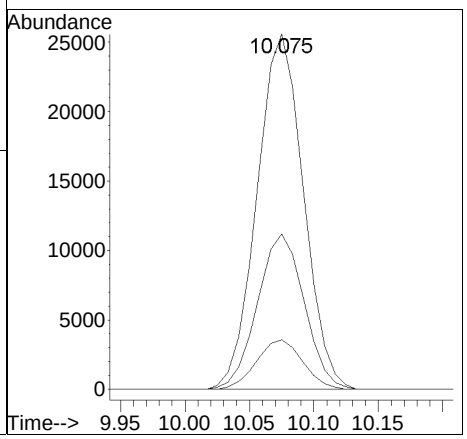


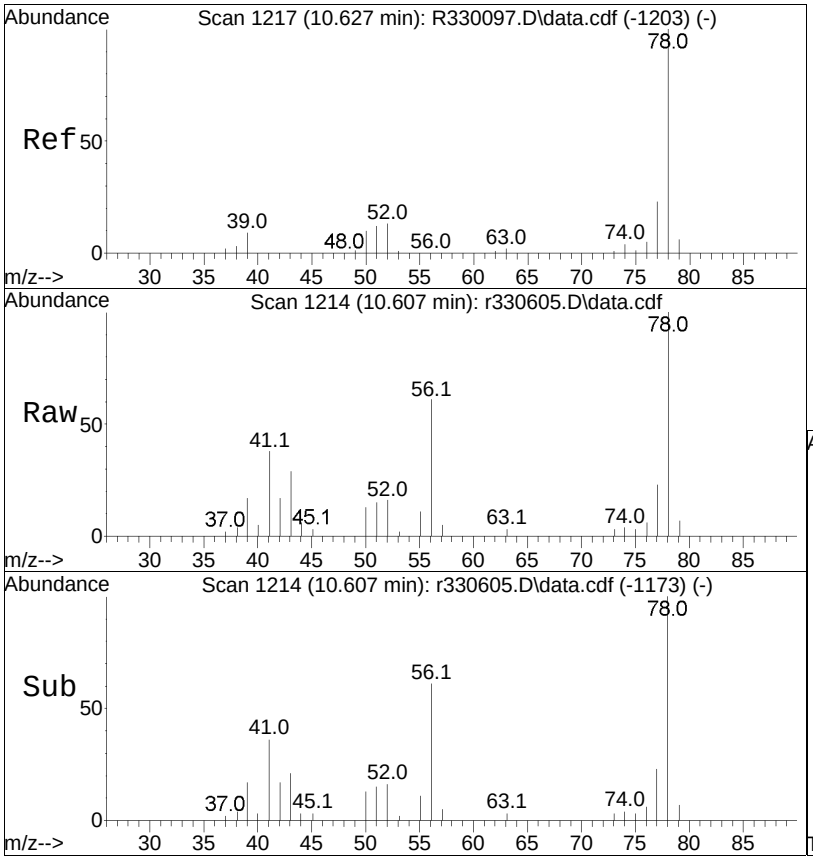


#48
1,1,1-trichloroethane
Concen: 1.78 ppbV
RT: 10.075 min Scan# 1146
Delta R.T. -0.025 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion: 97 Resp: 64037

Ion	Ratio	Lower	Upper
97	100		
61	43.7	36.6	54.8
119	14.0	13.0	19.4

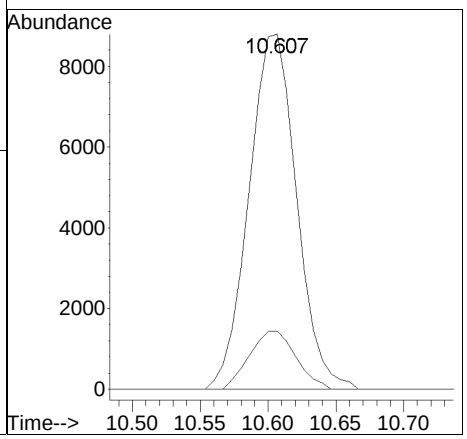


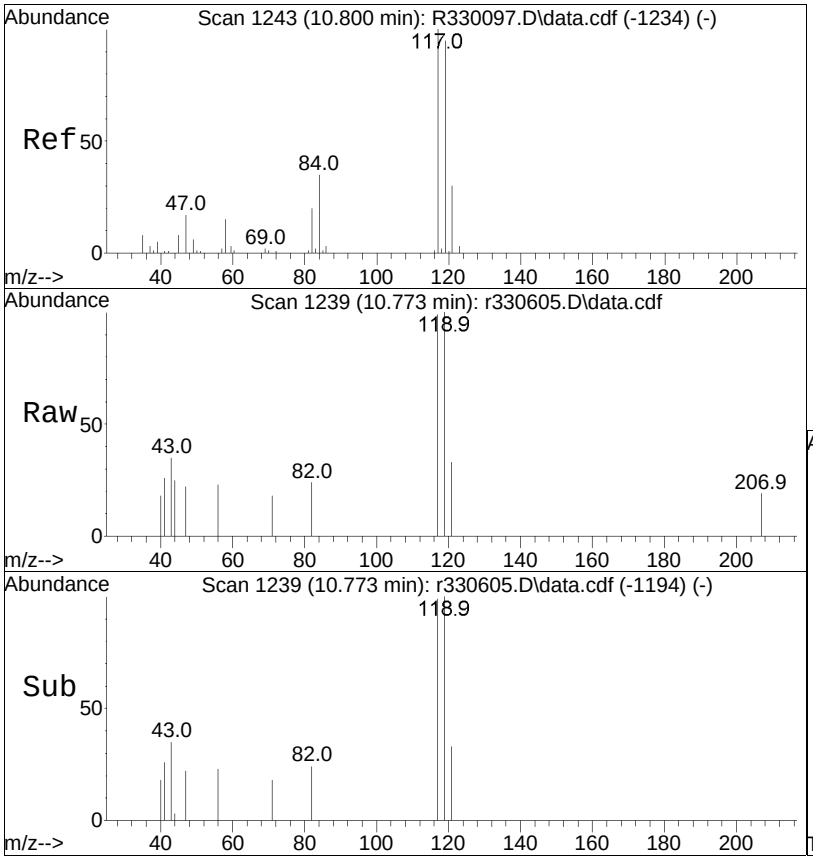


#50
benzene
Concen: 0.21 ppbV
RT: 10.607 min Scan# 1214
Delta R.T. -0.020 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion: 78 Resp: 21498

Ion	Ratio	Lower	Upper
78	100		
52	16.4	10.4	15.6#

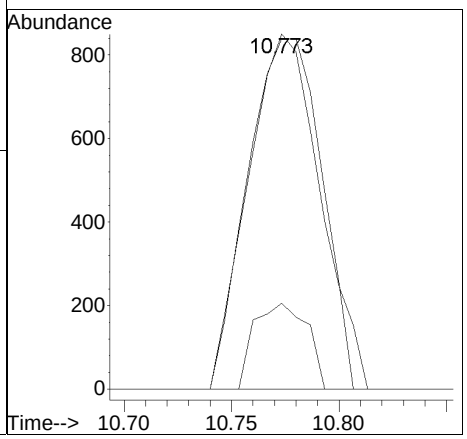


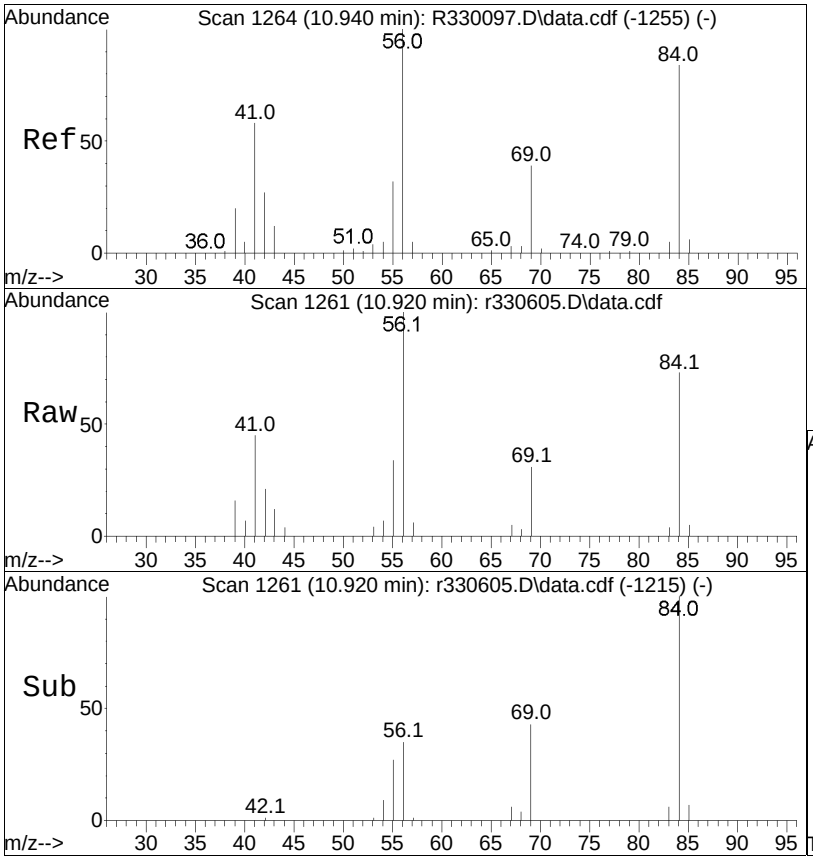


#52
carbon tetrachloride
Concen: 0.06 ppbV
RT: 10.773 min Scan# 1239
Delta R.T. -0.027 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion:117 Resp: 2004

Ion	Ratio	Lower	Upper
117	100		
119	101.3	75.8	113.8
82	24.6	16.5	24.7

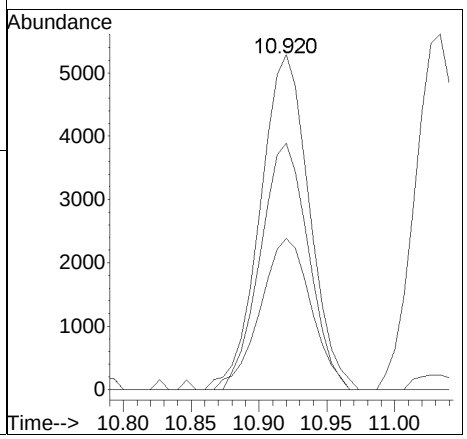


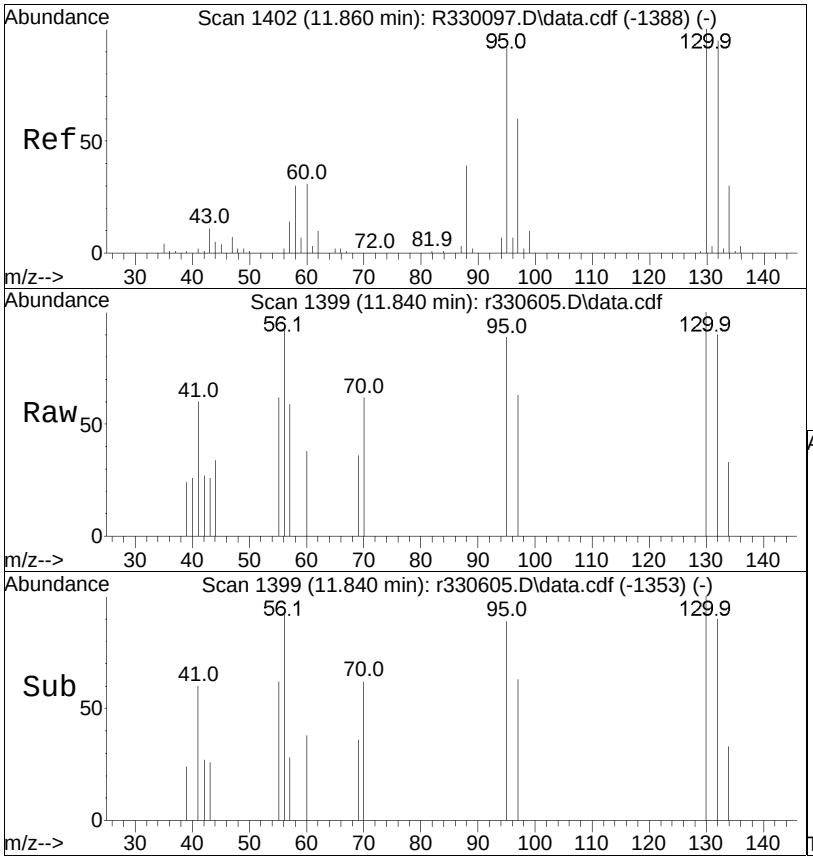


#53
cyclohexane
Concen: 0.28 ppbV
RT: 10.920 min Scan# 1261
Delta R.T. -0.020 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion: 56 Resp: 13328

Ion	Ratio	Lower	Upper
56	100		
84	73.5	67.4	101.2
41	45.1	46.4	69.6#

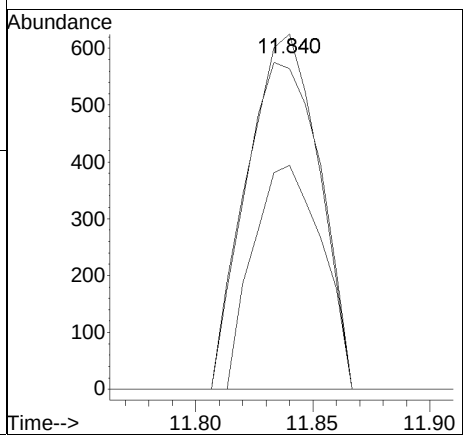


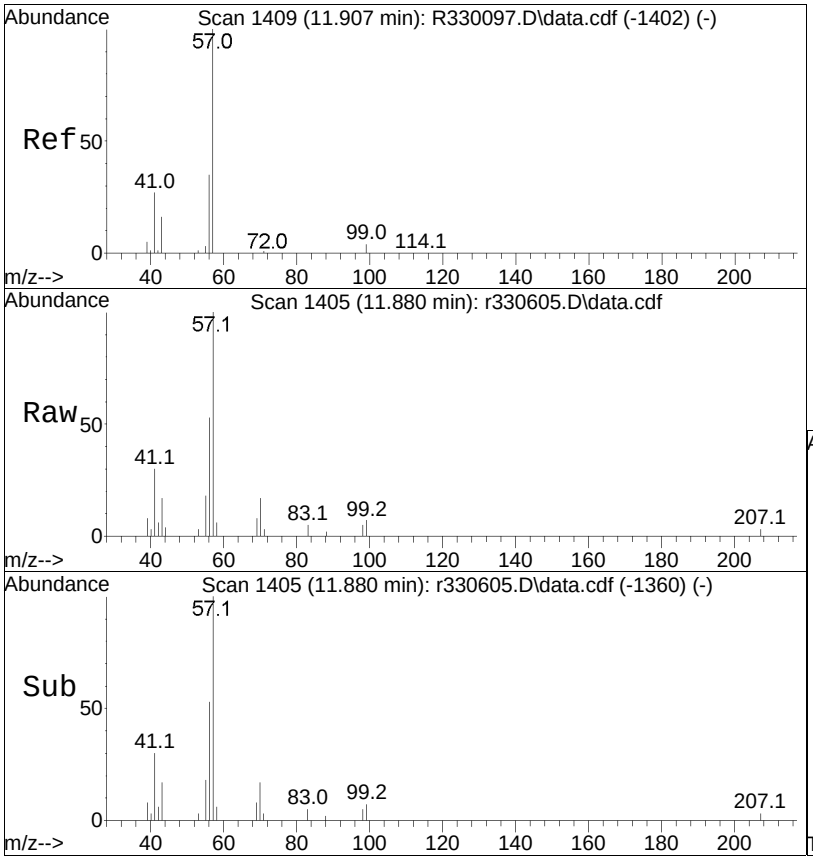


#59
trichloroethene
Concen: 0.04 ppbV
RT: 11.840 min Scan# 1399
Delta R.T. -0.020 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion:130 Resp: 1329

Ion	Ratio	Lower	Upper
130	100		
132	90.2	76.3	114.5
97	63.0	47.8	71.6

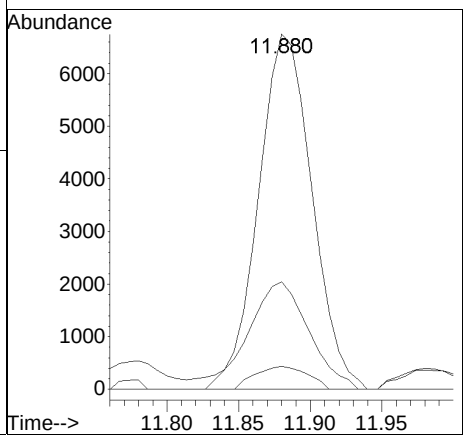


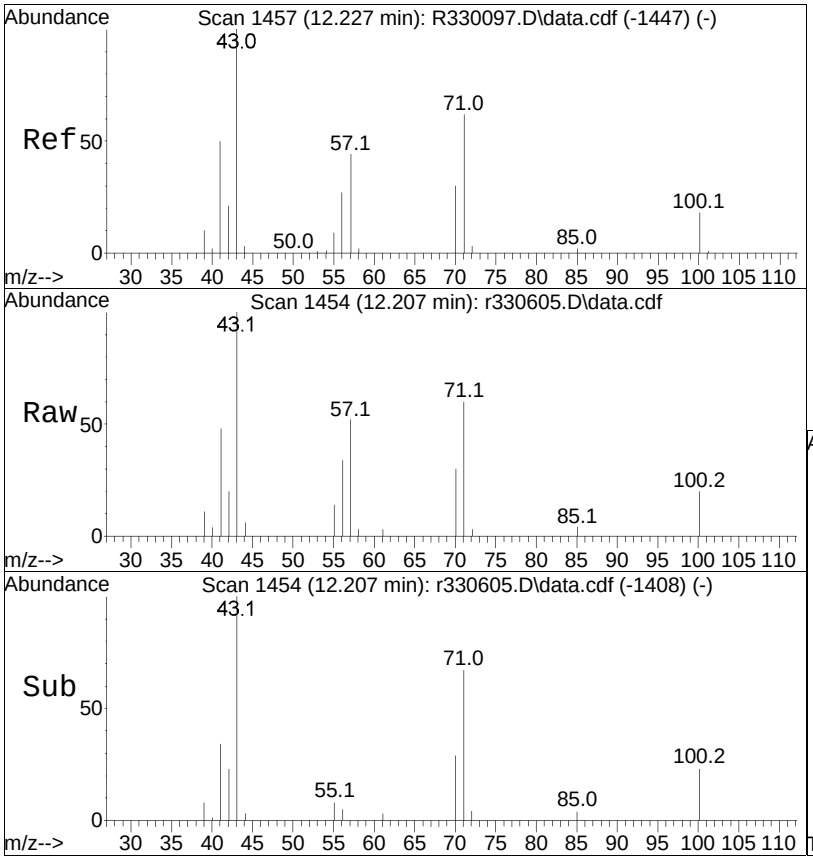


#60
2,2,4-trimethylpentane
Concen: 0.12 ppbV
RT: 11.880 min Scan# 1405
Delta R.T. -0.027 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion: 57 Resp: 17582

Ion	Ratio	Lower	Upper
57	100		
99	6.5	5.3	7.9
41	30.3	21.4	32.0

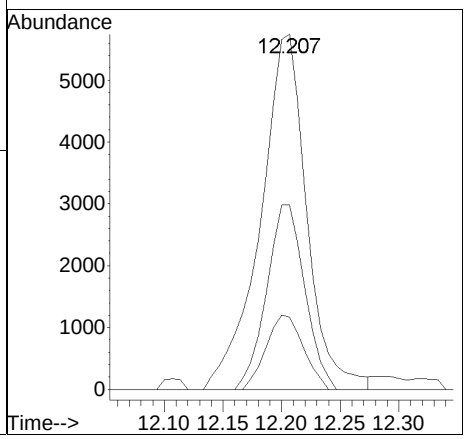


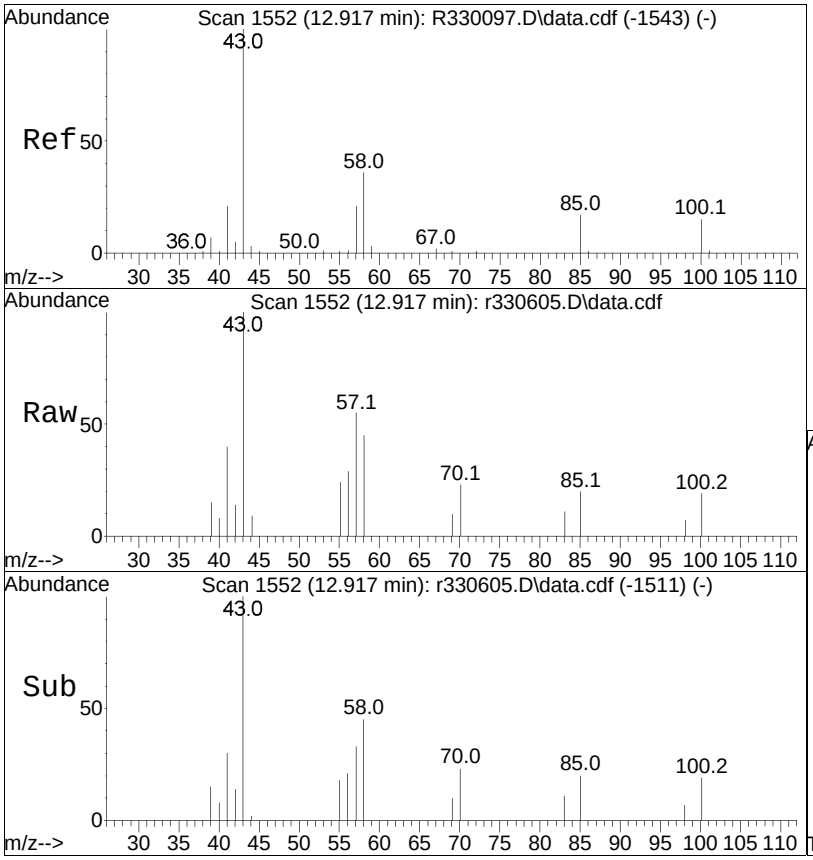


#62
heptane
Concen: 0.24 ppbV
RT: 12.207 min Scan# 1454
Delta R.T. -0.020 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion: 43 Resp: 15808

Ion	Ratio	Lower	Upper
43	100		
57	51.9	34.9	52.3
100	20.3	14.9	22.3

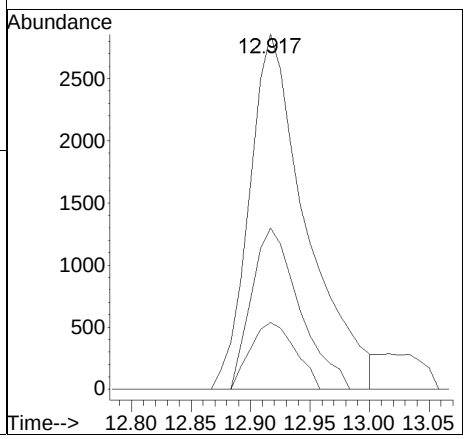


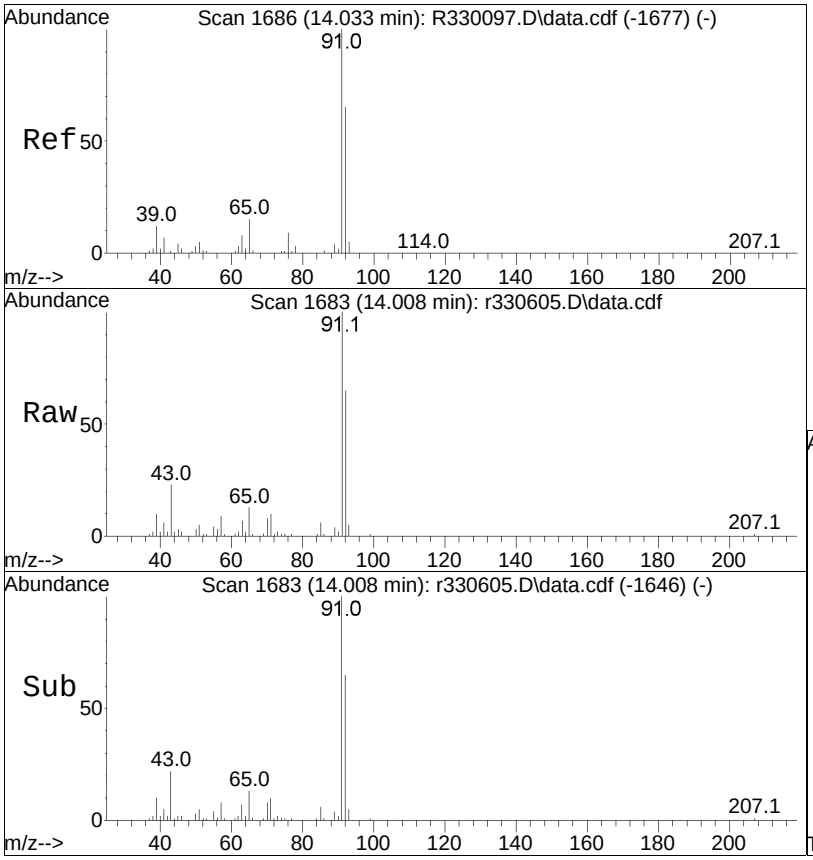


#64
4-methyl-2-pentanone
Concen: 0.12 ppbV m
RT: 12.917 min Scan# 1552
Delta R.T. 0.000 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion: 43 Resp: 9525

Ion	Ratio	Lower	Upper
43	100		
58	45.4	29.1	43.7#
100	18.8	12.2	18.4#

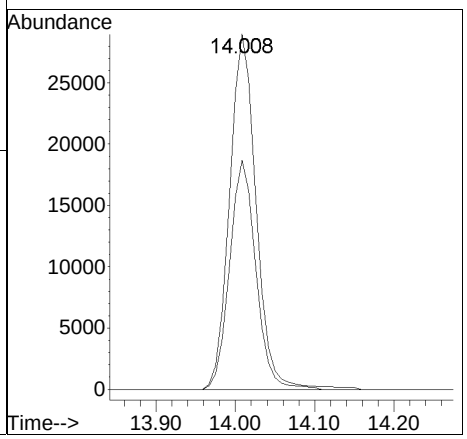


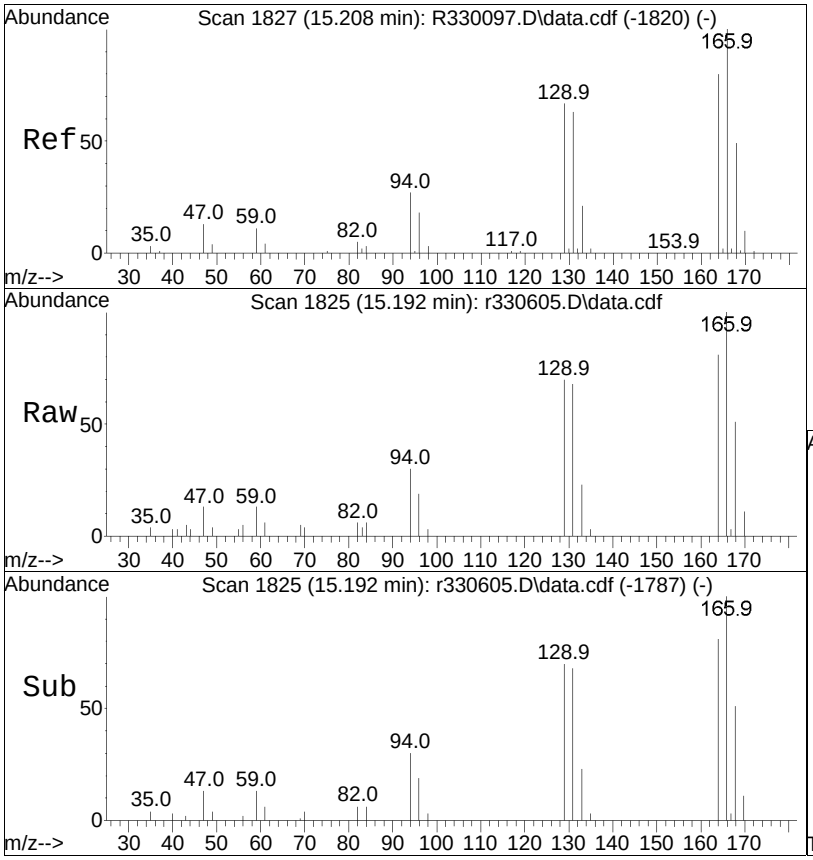


#68
toluene
Concen: 0.55 ppbV
RT: 14.008 min Scan# 1683
Delta R.T. -0.025 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion: 91 Resp: 67473

Ion	Ratio	Lower	Upper
91	100		
92	64.5	52.1	78.1

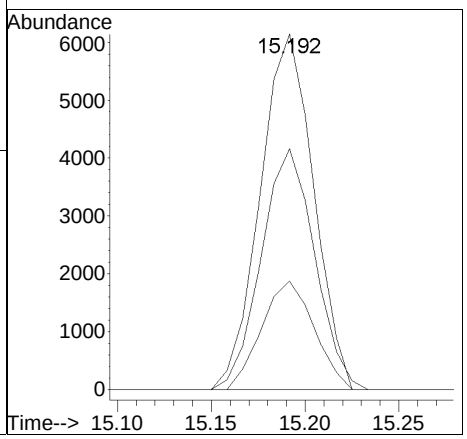


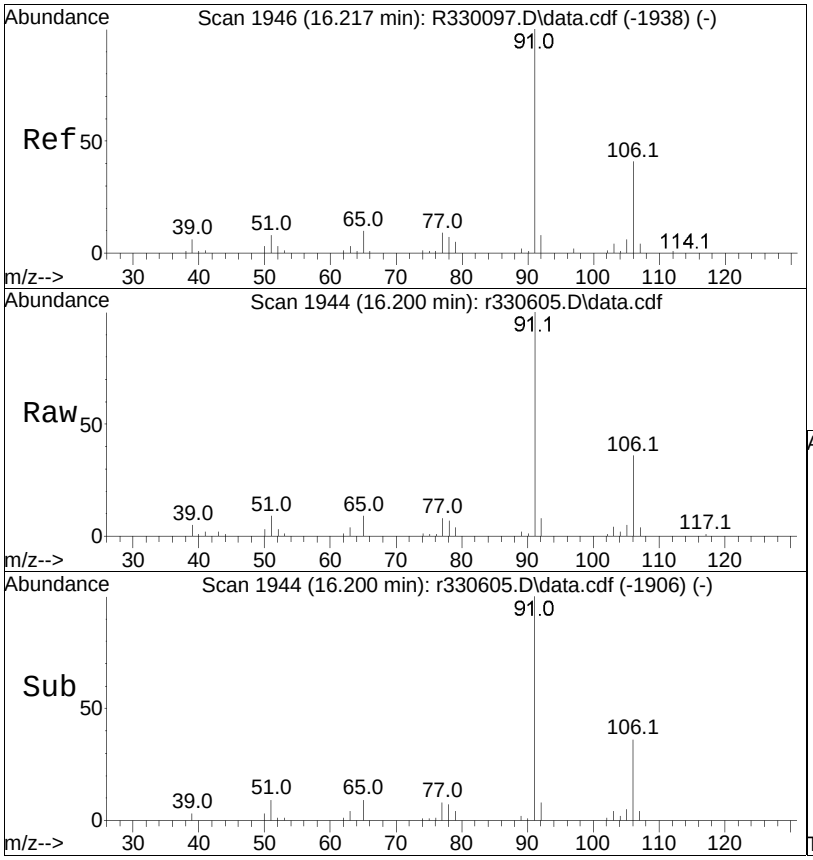


#78
tetrachloroethene
Concen: 0.22 ppbV
RT: 15.192 min Scan# 1825
Delta R.T. -0.017 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion:166 Resp: 12160

Ion	Ratio	Lower	Upper
166	100		
131	67.7	50.6	75.8
94	30.4	21.4	32.2

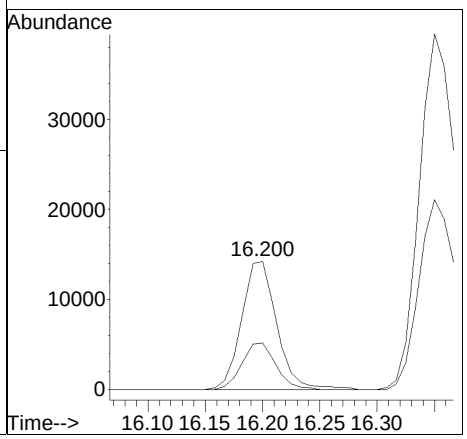


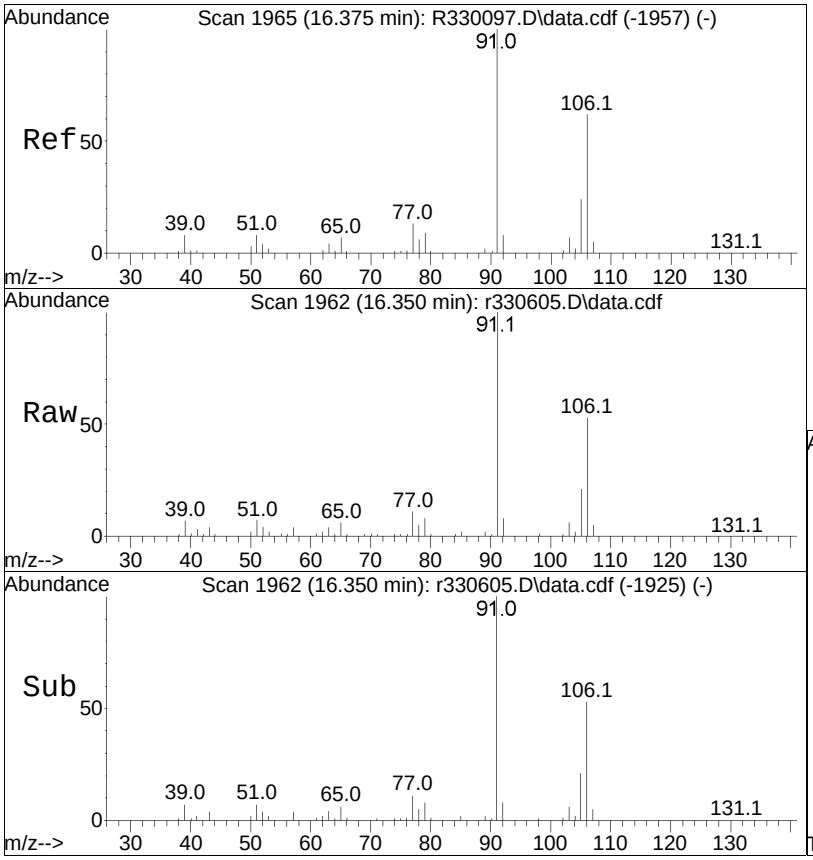


#81
ethylbenzene
Concen: 0.19 ppbV
RT: 16.200 min Scan# 1944
Delta R.T. -0.017 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion: 91 Resp: 30291

Ion	Ratio	Lower	Upper
91	100		
106	36.3	32.6	49.0

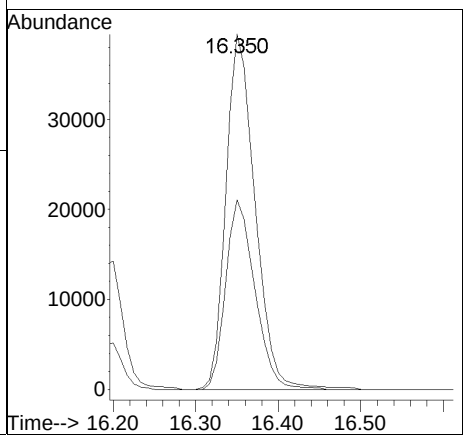


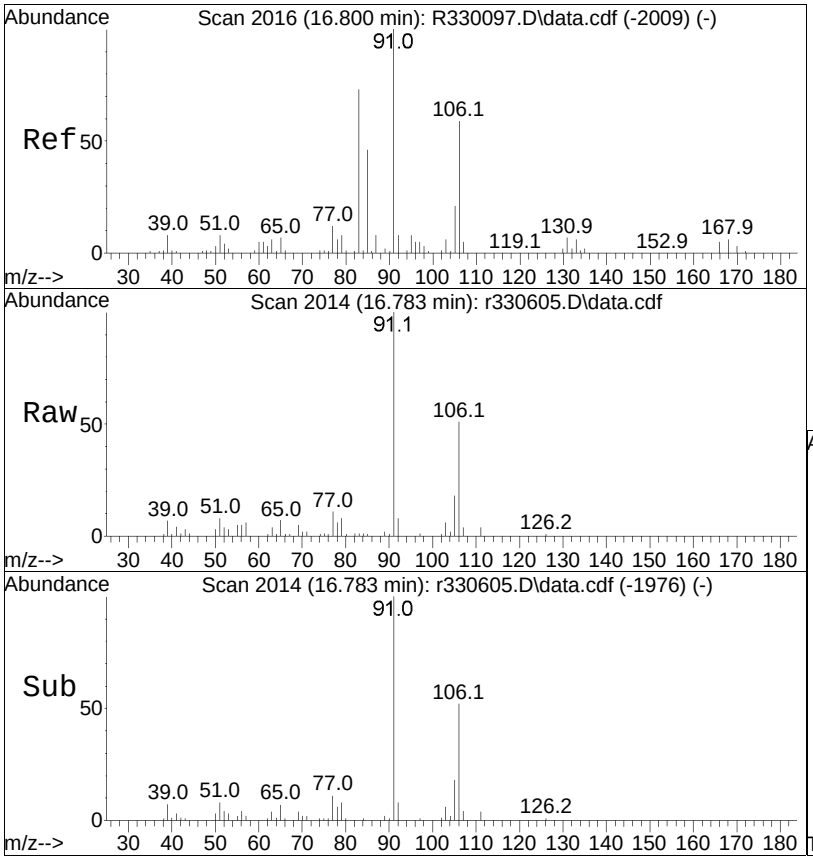


#83
m+p-xylene
Concen: 0.78 ppbV
RT: 16.350 min Scan# 1962
Delta R.T. -0.025 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion: 91 Resp: 96948

Ion	Ratio	Lower	Upper
91	100		
106	53.4	49.2	73.8

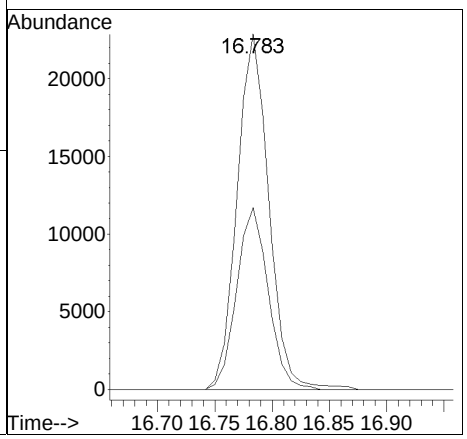


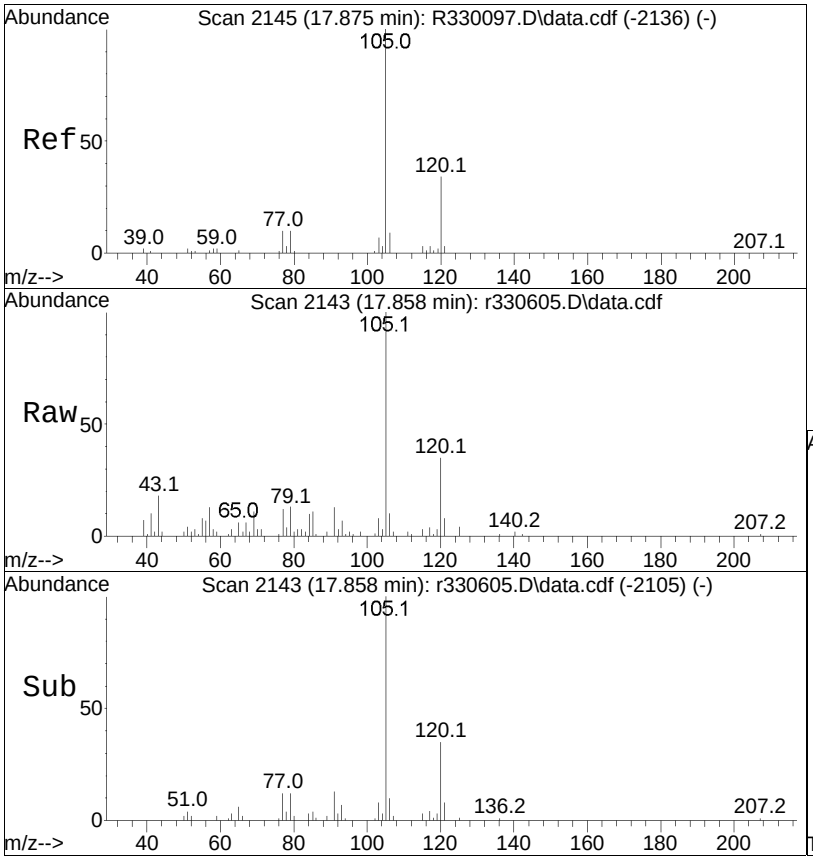


#87
o-xylene
Concen: 0.36 ppbV
RT: 16.783 min Scan# 2014
Delta R.T. -0.017 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion: 91 Resp: 43974

Ion	Ratio	Lower	Upper
91	100		
106	51.2	47.5	71.3

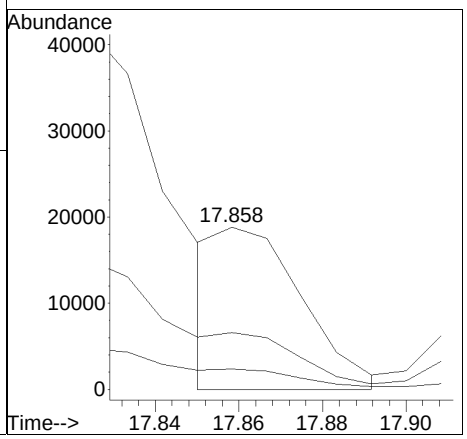


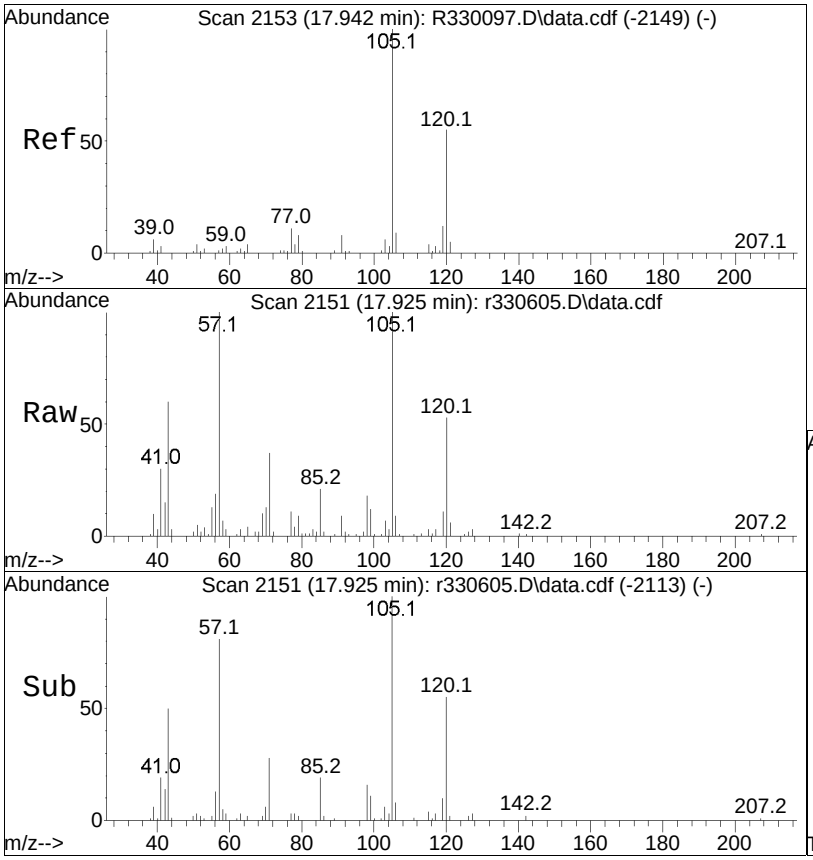


#96
4-ethyl toluene
Concen: 0.14 ppbV m
RT: 17.858 min Scan# 2143
Delta R.T. -0.017 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion:105 Resp: 26506

Ion	Ratio	Lower	Upper
105	100		
120	35.0	27.2	40.8
91	12.5	7.1	10.7#

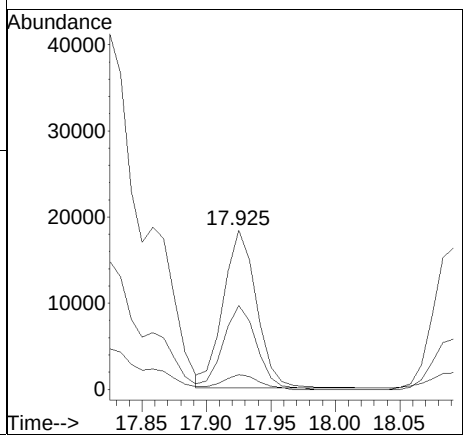


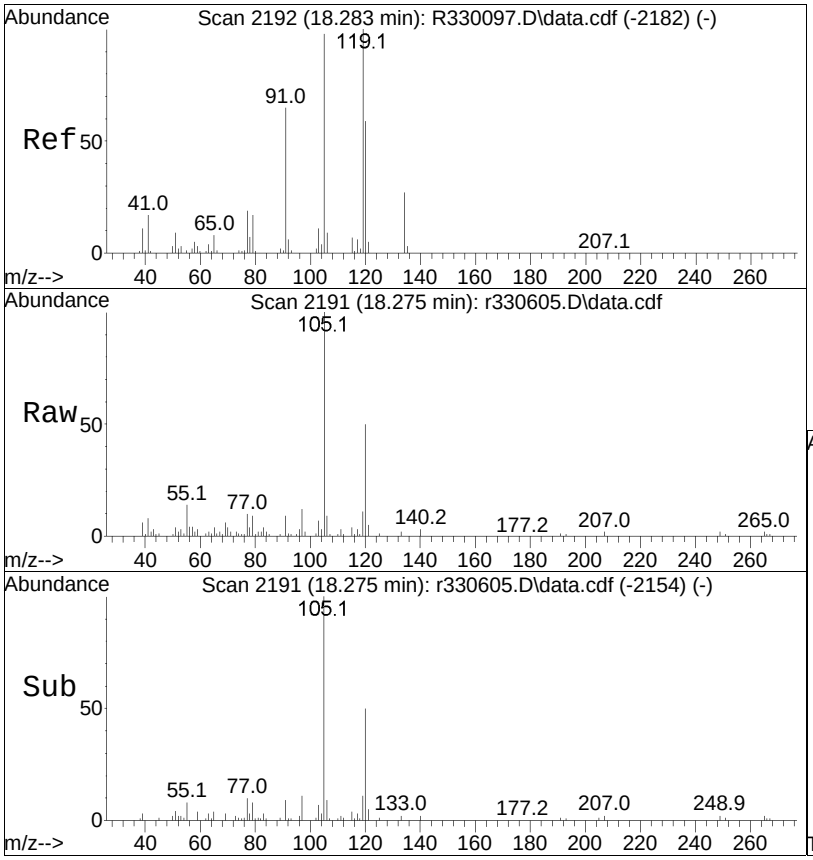


#97
1,3,5-trimethylbenzene
Concen: 0.21 ppbV
RT: 17.925 min Scan# 2151
Delta R.T. -0.017 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion:105 Resp: 32970

Ion	Ratio	Lower	Upper
105	100		
120	52.8	43.1	64.7
91	9.3	6.8	10.2

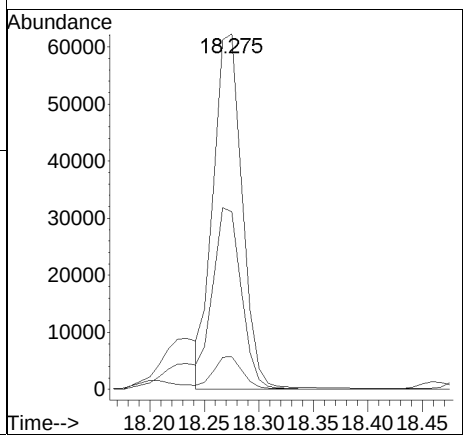


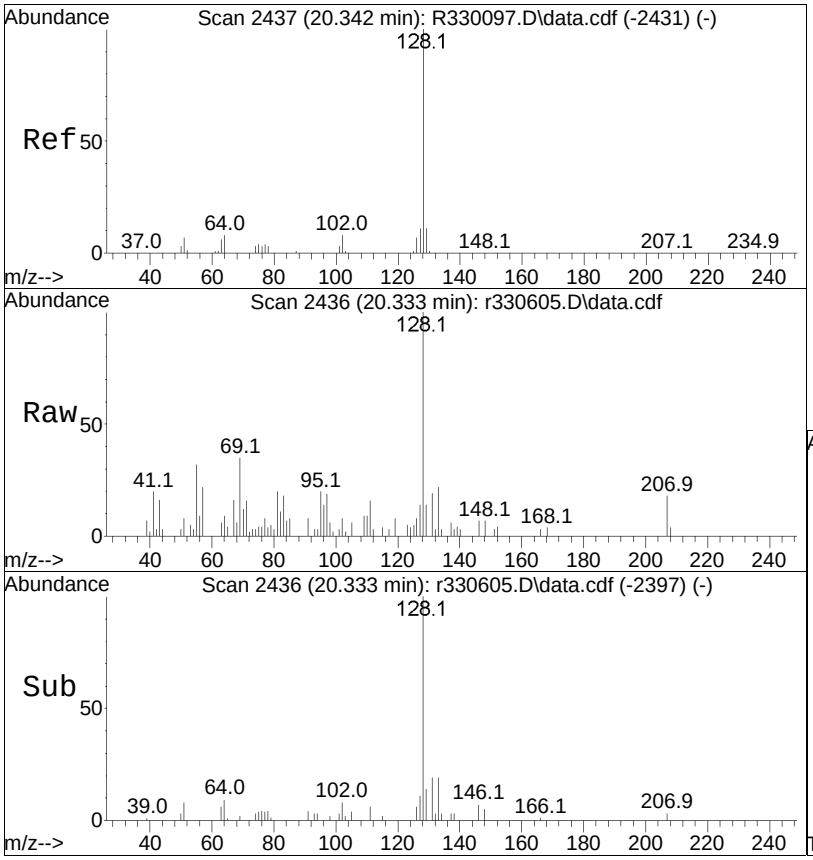


#99
1,2,4-trimethylbenzene
Concen: 0.76 ppbV m
RT: 18.275 min Scan# 2191
Delta R.T. -0.008 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion:105 Resp: 116585

Ion	Ratio	Lower	Upper
105	100		
120	50.0	47.8	71.8
91	9.2	53.4	80.0#

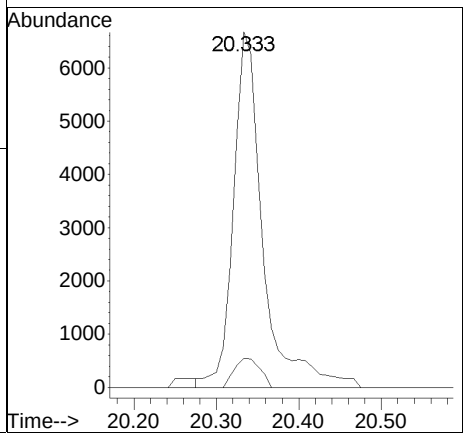




#116
naphthalene
Concen: 0.08 ppbV
RT: 20.333 min Scan# 2436
Delta R.T. -0.008 min
Lab File: r330605.D
Acq: 25 Apr 2024 4:32 AM

Tgt Ion:128 Resp: 16571

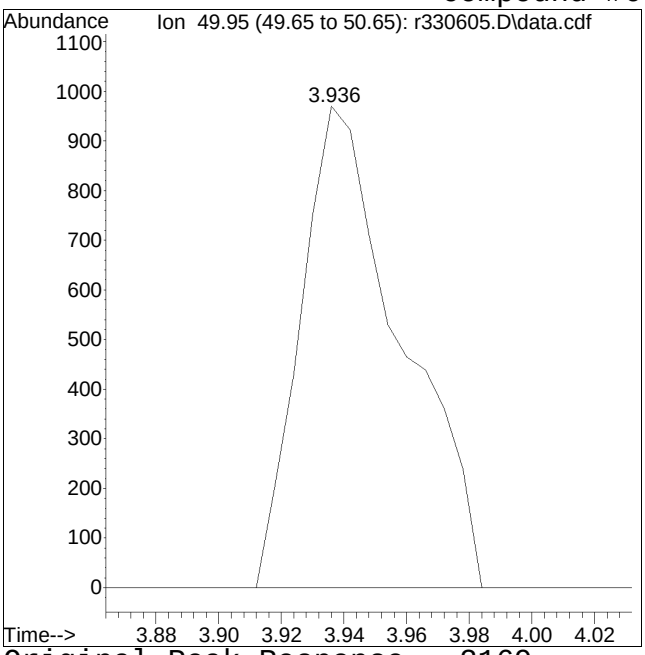
Ion	Ratio	Lower	Upper
128	100		
102	8.2	6.3	9.5



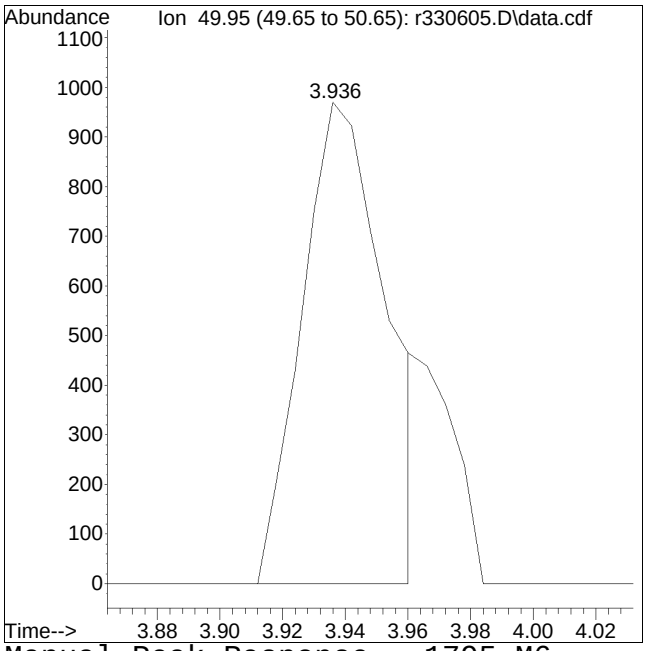
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : r330605.D Operator : AIRPIANO3:KJD
Date Inj'd : 4/25/2020 0:4: 2 Instrument :
Sample : L2419731-12,3,250,250 Quant Date : 4/25/2024 7:37 am

Compound #6: chloromethane



Original Peak Response = 2169



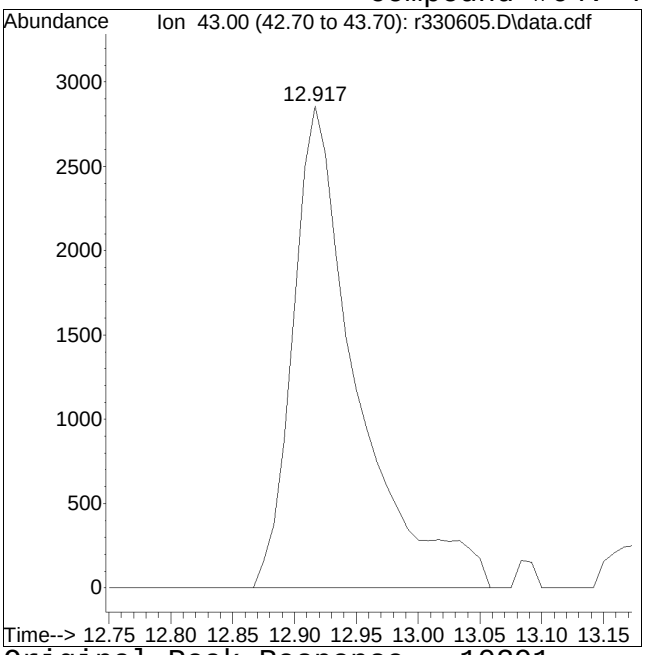
Manual Peak Response = 1795 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

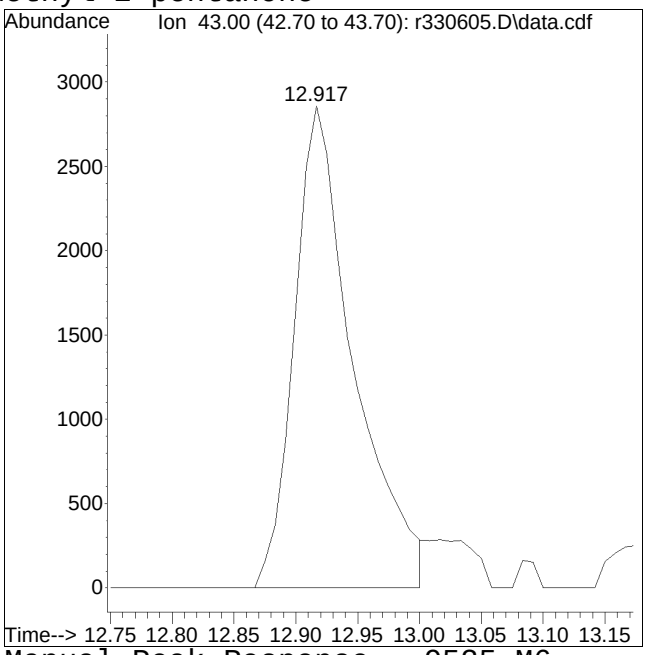
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : r330605.D Operator : AIRPIANO3:KJD
Date Inj'd : 4/25/2020 0:4: 2 Instrument :
Sample : L2419731-12,3,250,250 Quant Date : 4/25/2024 7:37 am

Compound #64: 4-methyl-2-pentanone



Original Peak Response = 10291



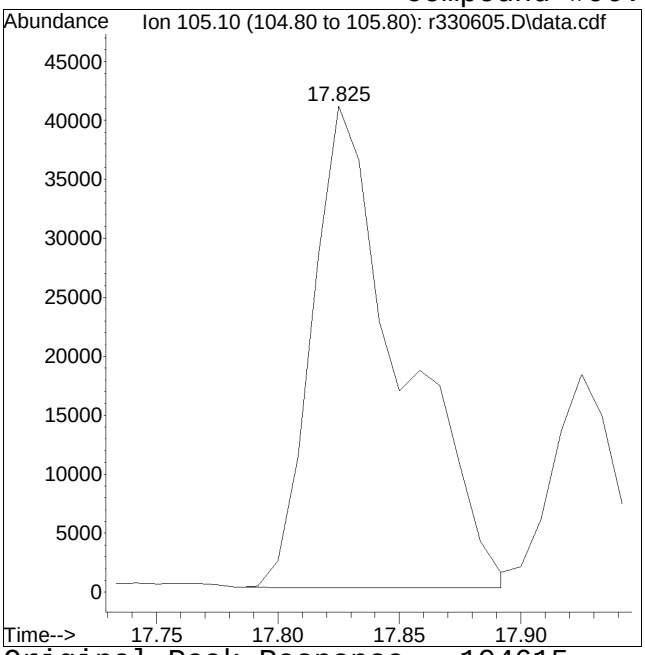
Manual Peak Response = 9525 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

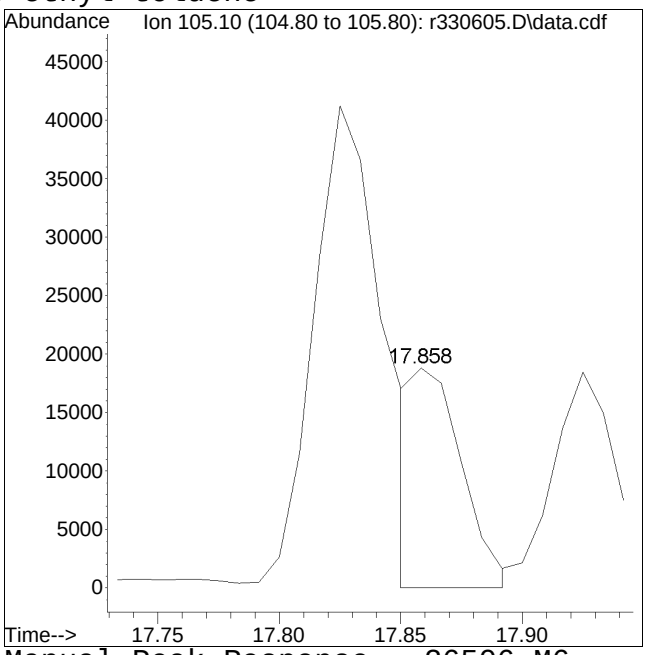
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : r330605.D Operator : AIRPIANO3:KJD
Date Inj'd : 4/25/2020 0:4: 2 Instrument :
Sample : L2419731-12,3,250,250 Quant Date : 4/25/2024 7:37 am

Compound #96: 4-ethyl toluene



Original Peak Response = 104615



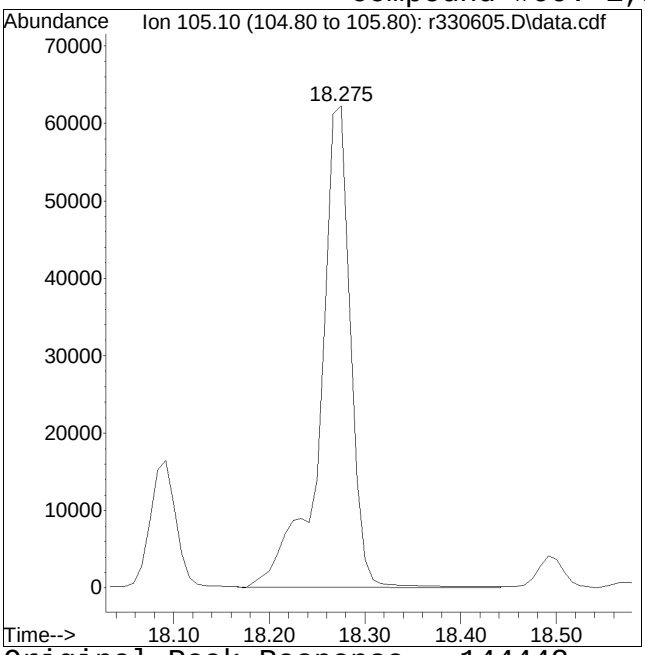
Manual Peak Response = 26506 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

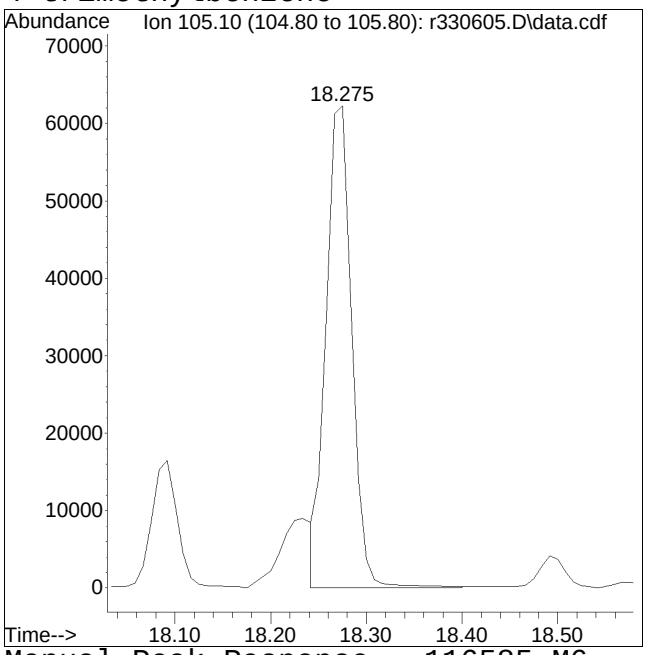
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : r330605.D Operator : AIRPIANO3:KJD
Date Inj'd : 4/25/2020 0:4: 2 Instrument :
Sample : L2419731-12,3,250,250 Quant Date : 4/25/2024 7:37 am

Compound #99: 1,2,4-trimethylbenzene



Original Peak Response = 144442



Manual Peak Response = 116585 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330606.D
Acq On : 25 Apr 2024 5:12 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-13,3,250,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:38:21 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.792	49	354065	10.000	ppbV	-0.03
Standard Area = 349686			Recovery = 101.25%			
43) 1,4-difluorobenzene	11.027	114	1216898	10.000	ppbV	-0.03
Standard Area = 1160525			Recovery = 104.86%			
67) chlorobenzene-D5	15.800	54	175921	10.000	ppbV	-0.02
Standard Area = 168249			Recovery = 104.56%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.780	85	15725	0.407	ppbV	99
6) chloromethane	3.936	50	2487	0.129	ppbV	92
7) Freon-114	4.032		0	N.D.		
9) vinyl chloride	4.152	62	1084	0.051	ppbV	93
10) 1,3-butadiene	0.000		0	N.D.	d	
13) bromomethane	0.000		0	N.D.		
14) chloroethane	4.740	64	7970	0.720	ppbV	97
15) ethanol	4.866	31	279212	23.054	ppbV #	81
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.363	43	4228292	109.727	ppbV #	78
21) trichlorofluoromethane	5.557	101	10548	0.269	ppbV	99
22) isopropyl alcohol	5.657	45	104966	2.043	ppbV #	96
26) 1,1-dichloroethene	6.250	61	36056	1.010	ppbV	99
27) tertiary butyl alcohol	6.316	59	24292	0.476	ppbV	96
28) methylene chloride	6.394	49	5993	0.211	ppbV	95
29) 3-chloropropene	0.000		0	N.D.		
30) carbon disulfide	6.688	76	9910	0.112	ppbV #	83
31) Freon 113	6.688	101	68232	1.472	ppbV	98
32) trans-1,2-dichloroethene	7.433		0	N.D.		
33) 1,1-dichloroethane	7.658	63	149576	2.918	ppbV	99
34) MTBE	0.000		0	N.D.	d	
36) 2-butanone	8.108	43	190262	2.887	ppbV #	95
37) cis-1,2-dichloroethene	8.608	61	11761	0.324	ppbV	99
38) Ethyl Acetate	0.000		0	N.D.	d	
39) chloroform	8.950	83	172918	3.962	ppbV	96
40) Tetrahydrofuran	9.400	42	92455	2.173	ppbV	95
42) 1,2-dichloroethane	9.783	62	7939	0.283	ppbV #	71
44) hexane	8.867	57	3714084	81.360	ppbV #	1

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330606.D
Acq On : 25 Apr 2024 5:12 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-13,3,250,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:38:21 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,1-trichloroethane	10.067	97	638065	17.416	ppbV	97
50) benzene	10.600	78	31579	0.306	ppbV #	93
52) carbon tetrachloride	10.773	117	2752	0.082	ppbV	94
53) cyclohexane	10.913	56	163069	3.365	ppbV #	85
56) 1,2-dichloropropane	0.000		0	N.D.	d	
57) bromodichloromethane	11.780	83	3560	0.081	ppbV #	86
58) 1,4-dioxane	0.000		0	N.D.		
59) trichloroethene	11.833	130	3454	0.096	ppbV	98
60) 2,2,4-trimethylpentane	11.880	57	20534	0.139	ppbV #	92
62) heptane	12.200	43	25329	0.383	ppbV #	85
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.917	43	6093M6	0.078	ppbV	
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.	d	
68) toluene	14.008	91	114456	0.914	ppbV	99
72) 2-hexanone	0.000		0	N.D.	d	
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
78) tetrachloroethene	15.192	166	13672	0.243	ppbV	94
80) chlorobenzene	0.000		0	N.D.	d	
81) ethylbenzene	16.192	91	131377	0.834	ppbV	93
83) m+p-xylene	16.350	91	453252	3.588	ppbV	91
84) bromoform	0.000		0	N.D.		
85) styrene	16.692		0	N.D.		
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	d	
87) o-xylene	16.783	91	220177	1.759	ppbV	89
96) 4-ethyl toluene	17.858	105	135509M6	0.727	ppbV	
97) 1,3,5-trimethylbenzene	17.925	105	196166	1.209	ppbV	99
99) 1,2,4-trimethylbenzene	18.267	105	739697	4.752	ppbV #	57
101) Benzyl Chloride	0.000		0	N.D.	d	
102) 1,3-dichlorobenzene	0.000		0	N.D.	d	
103) 1,4-dichlorobenzene	18.467		0	N.D.		
107) 1,2-dichlorobenzene	18.742		0	N.D.		
115) 1,2,4-trichlorobenzene	20.225		0	N.D.		
116) naphthalene	20.325	128	44507	0.224	ppbV	97
119) hexachlorobutadiene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330606.D
Acq On : 25 Apr 2024 5:12 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-13,3,250,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:38:21 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

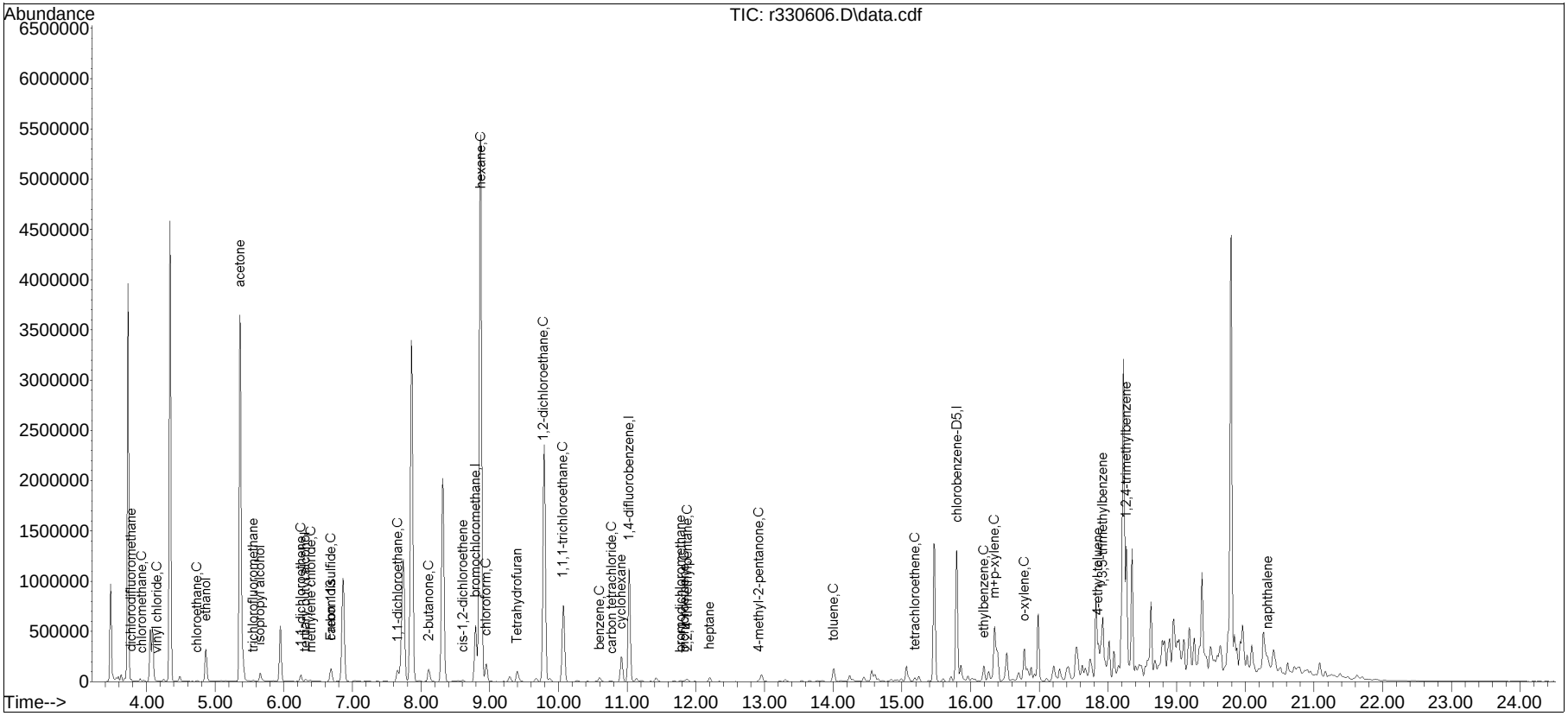
CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : TO15-NY+Naphthalene - .

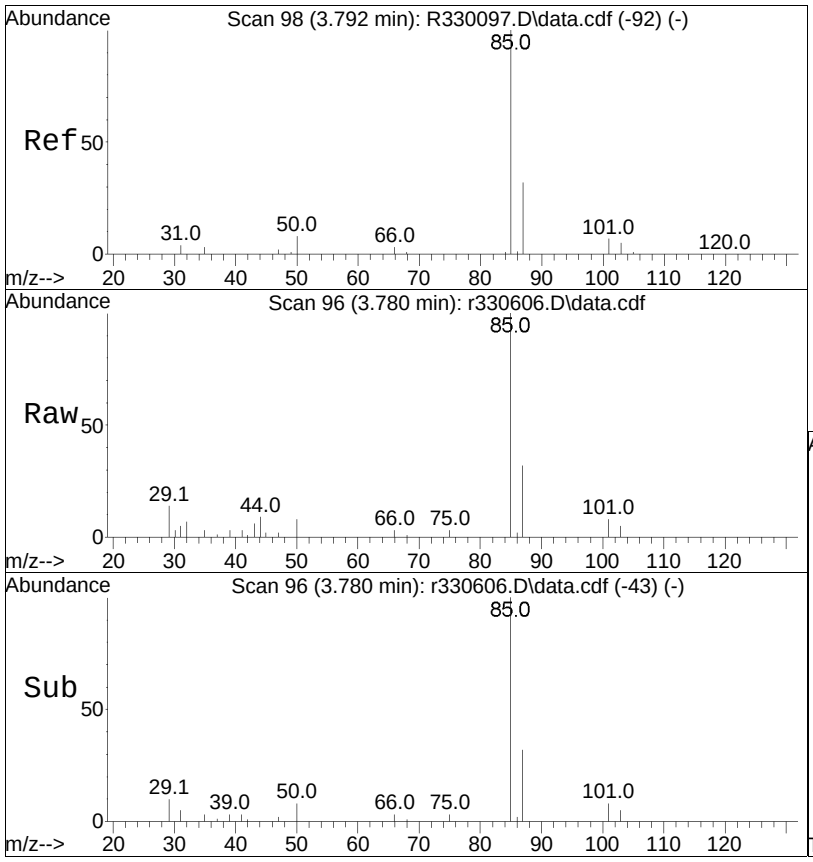
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : TO15-NY+Naphthalene - .ano3\2024\04\0424T\r330584.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330606.D
Acq On : 25 Apr 2024 5:12 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-13,3,250,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:38:21 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

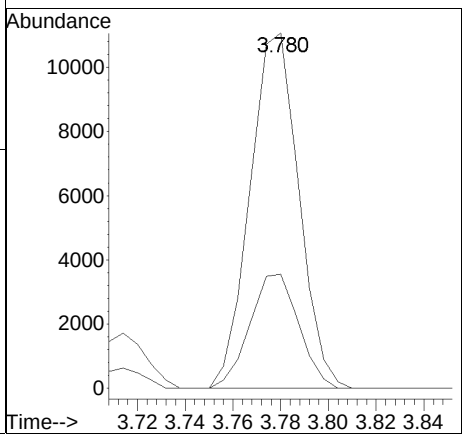


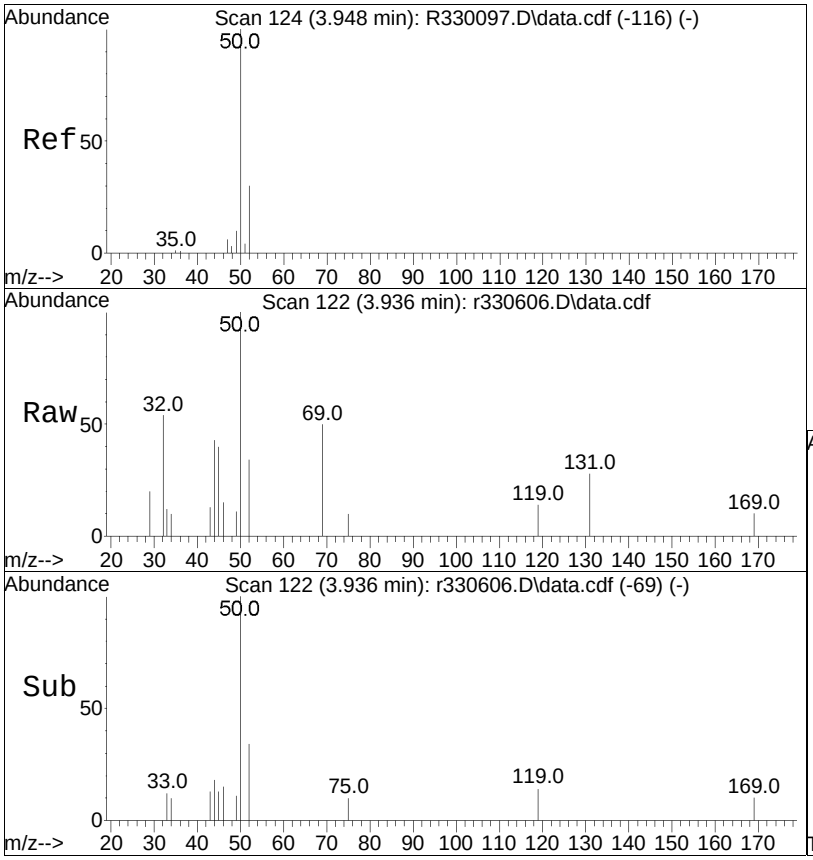


#5
dichlorodifluoromethane
Concen: 0.41 ppbV
RT: 3.780 min Scan# 96
Delta R.T. -0.012 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 85 Resp: 15725

Ion	Ratio	Lower	Upper
85	100		
87	32.1	25.4	38.2

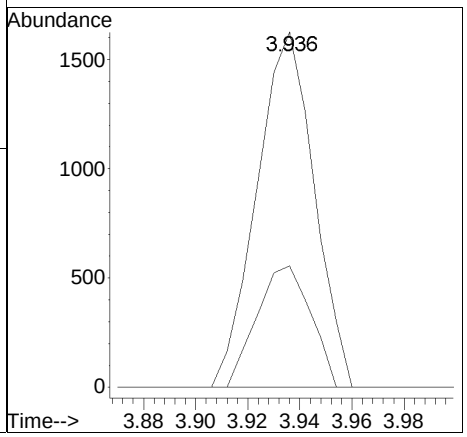


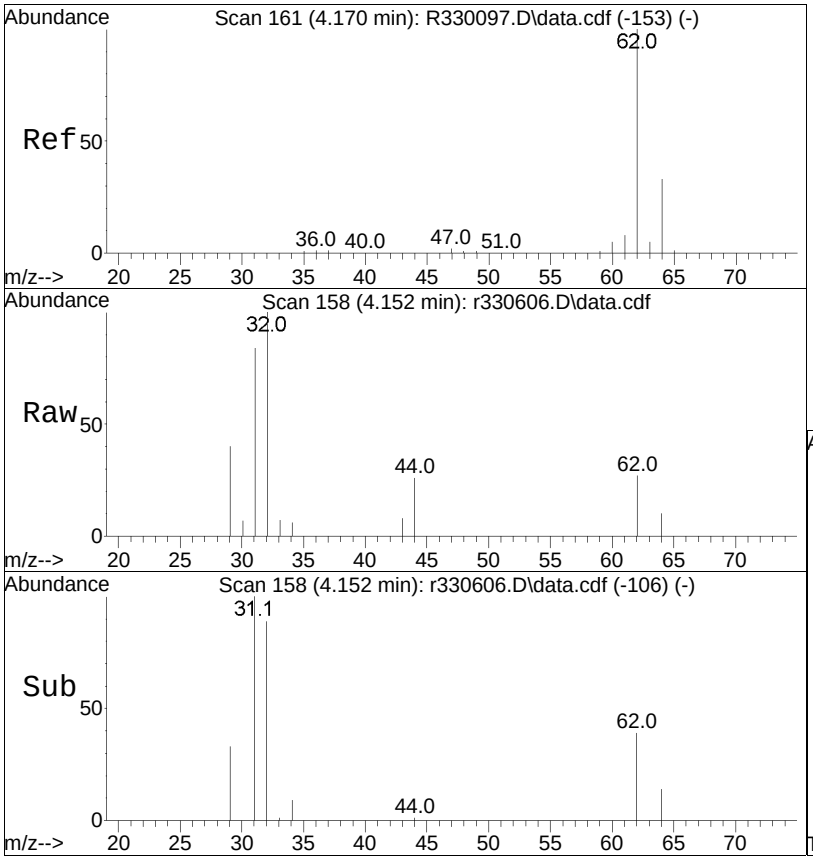


#6
chloromethane
Concen: 0.13 ppbV
RT: 3.936 min Scan# 122
Delta R.T. -0.012 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 50 Resp: 2487

Ion	Ratio	Lower	Upper
50	100		
52	34.2	24.0	36.0

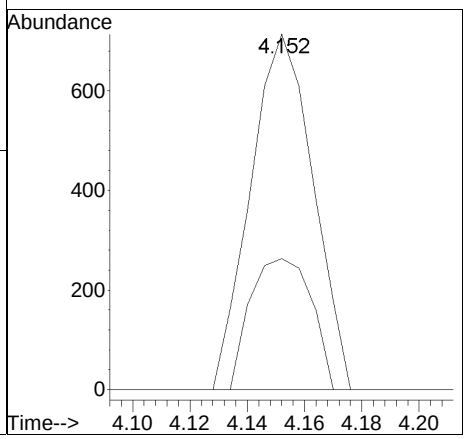


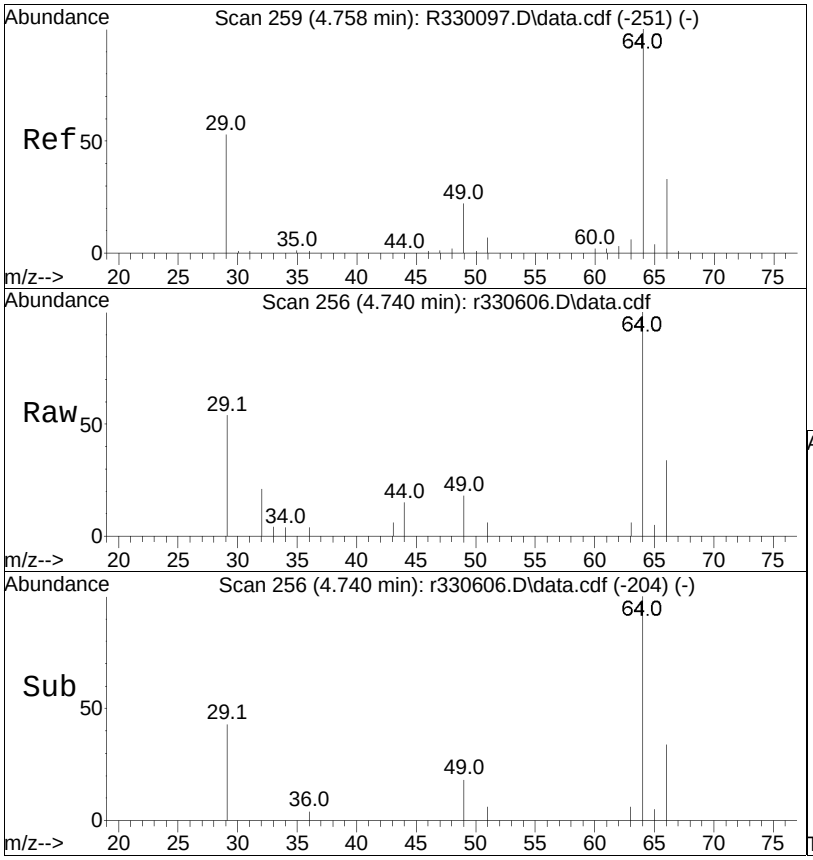


#9
vinyl chloride
Concen: 0.05 ppbV
RT: 4.152 min Scan# 158
Delta R.T. -0.018 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 62 Resp: 1084

Ion	Ratio	Lower	Upper
62	100		
64	36.8	26.4	39.6

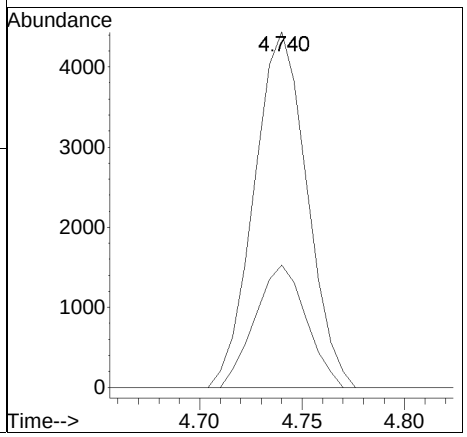


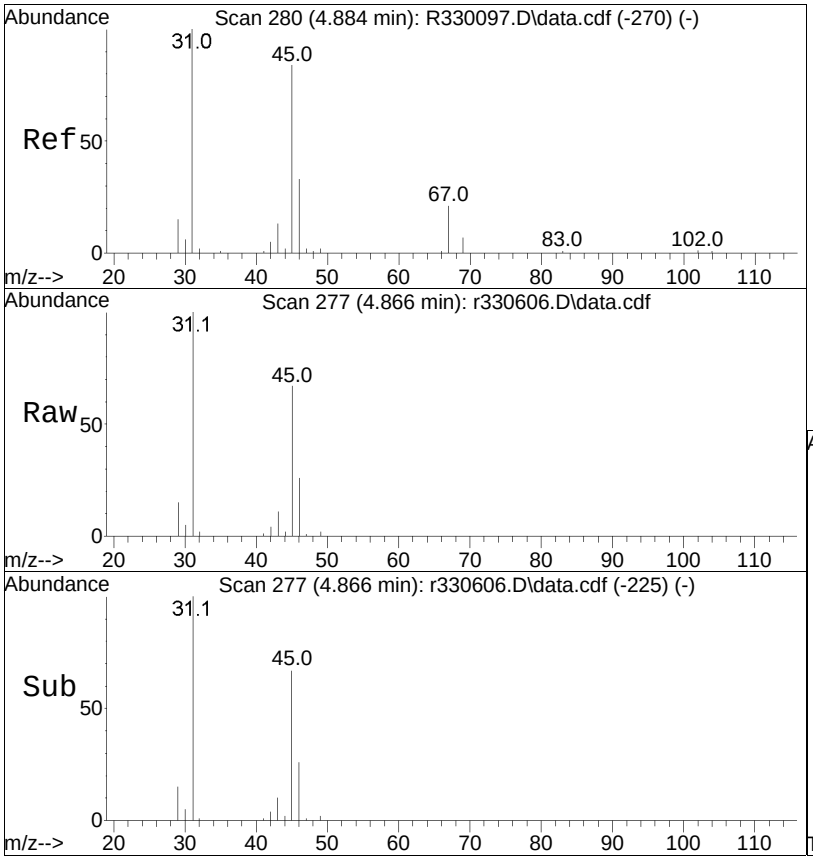


#14
chloroethane
Concen: 0.72 ppbV
RT: 4.740 min Scan# 256
Delta R.T. -0.018 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 64 Resp: 7970

Ion	Ratio	Lower	Upper
64	100		
66	34.4	26.2	39.2

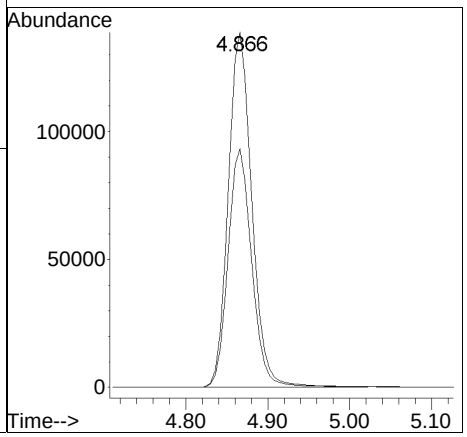


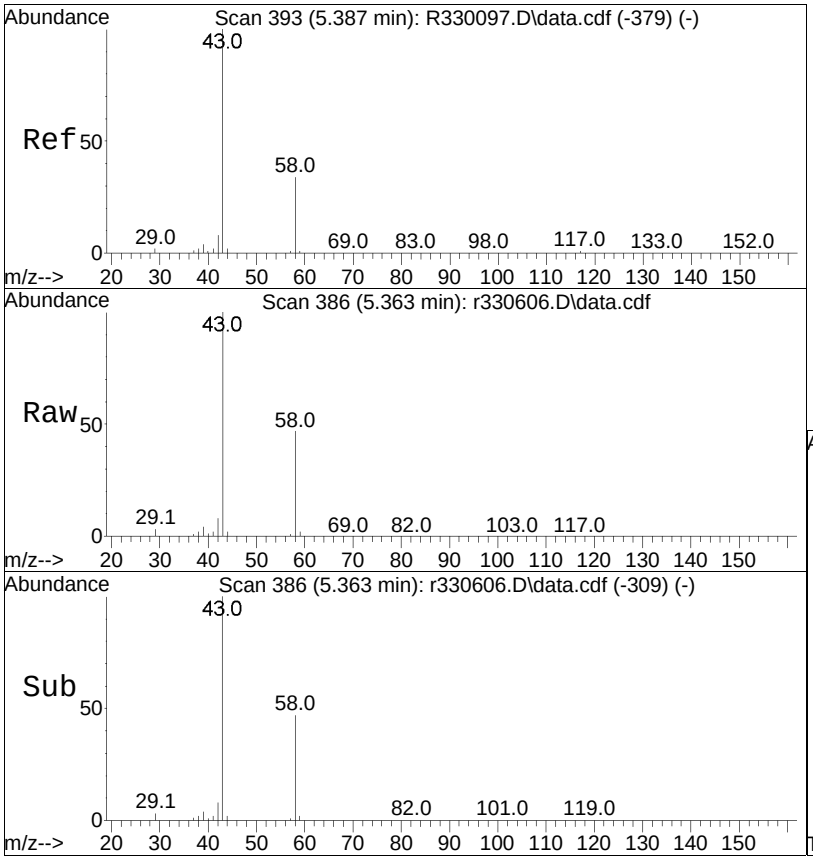


#15
ethanol
Concen: 23.05 ppbV
RT: 4.866 min Scan# 277
Delta R.T. -0.018 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 31 Resp: 279212

Ion	Ratio	Lower	Upper
31	100		
45	67.2	67.5	101.3#

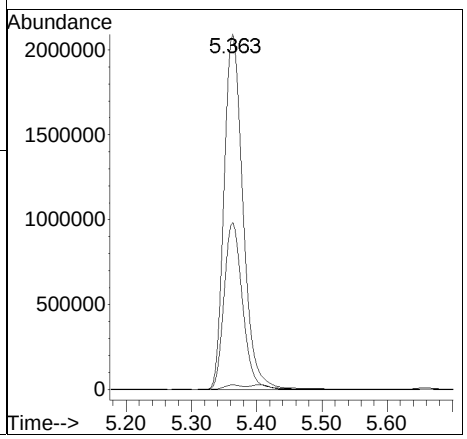


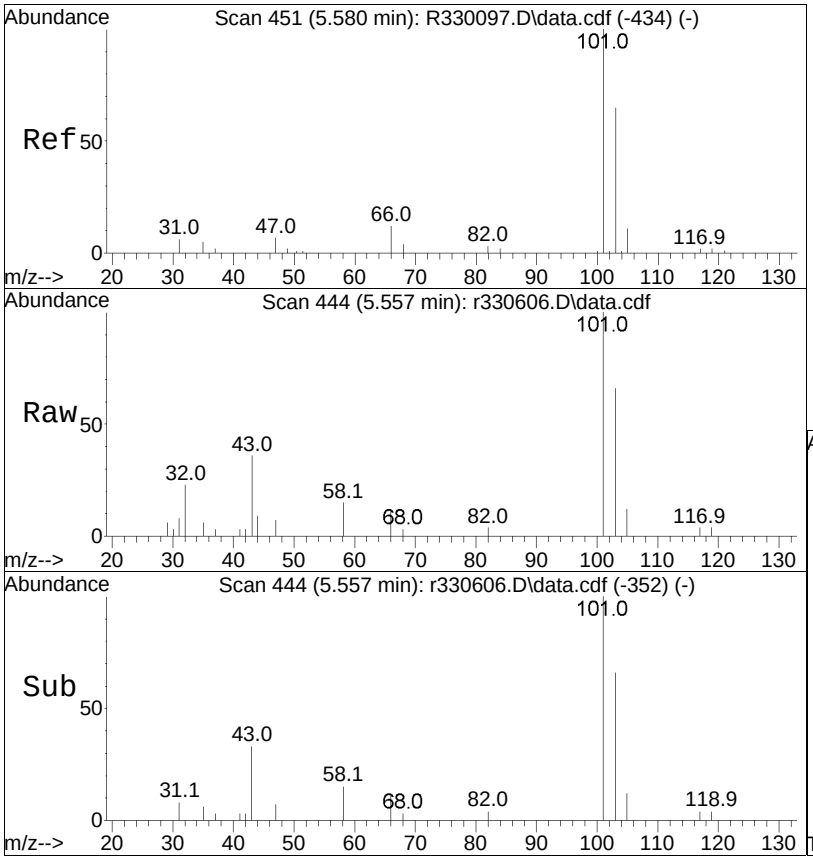


#19
acetone
Concen: 109.73 ppbV
RT: 5.363 min Scan# 386
Delta R.T. -0.024 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 43 Resp: 4228292

Ion	Ratio	Lower	Upper
43	100		
58	47.0	27.3	40.9#
57	1.3	0.8	1.2#

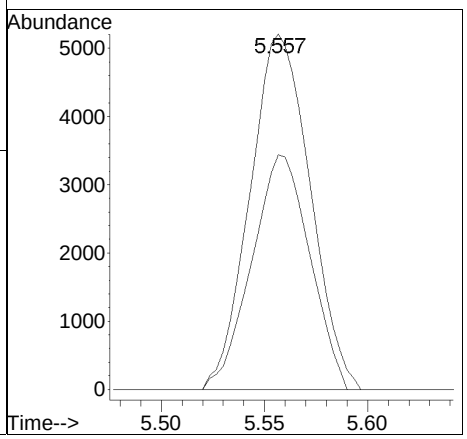


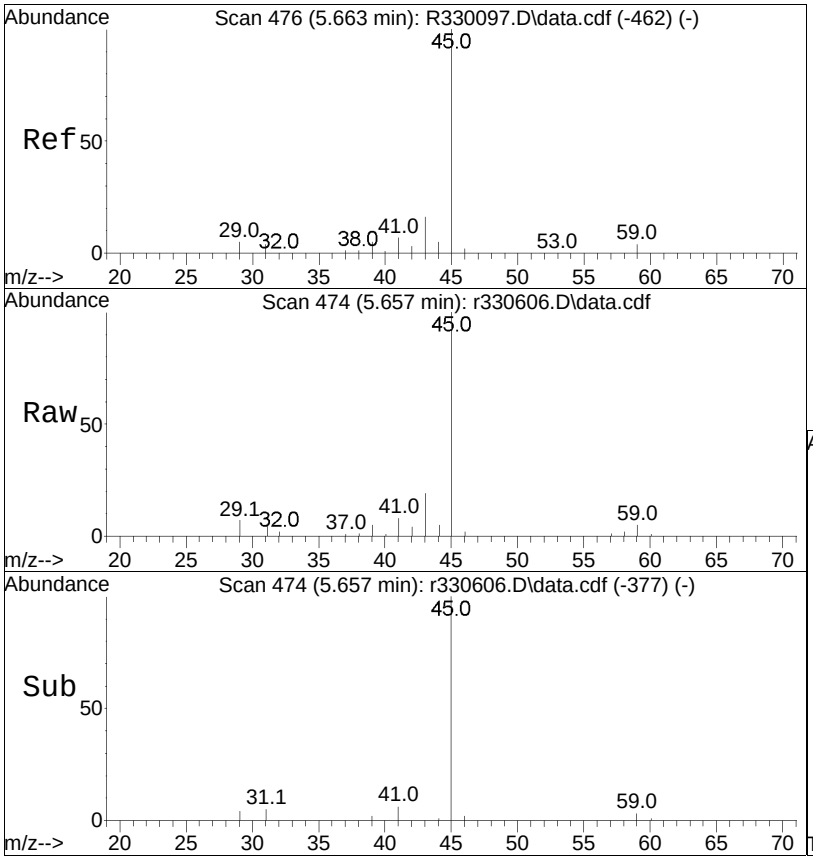


#21
trichlorofluoromethane
Concen: 0.27 ppbV
RT: 5.557 min Scan# 444
Delta R.T. -0.023 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion:101 Resp: 10548

Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.0	78.0

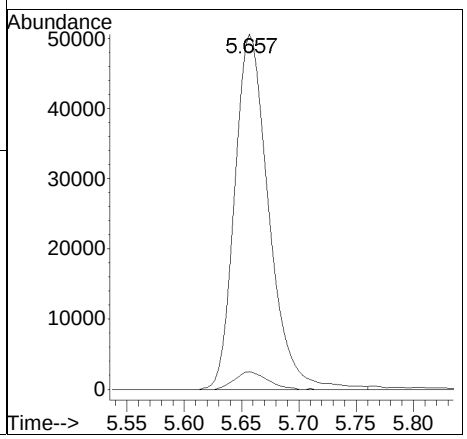


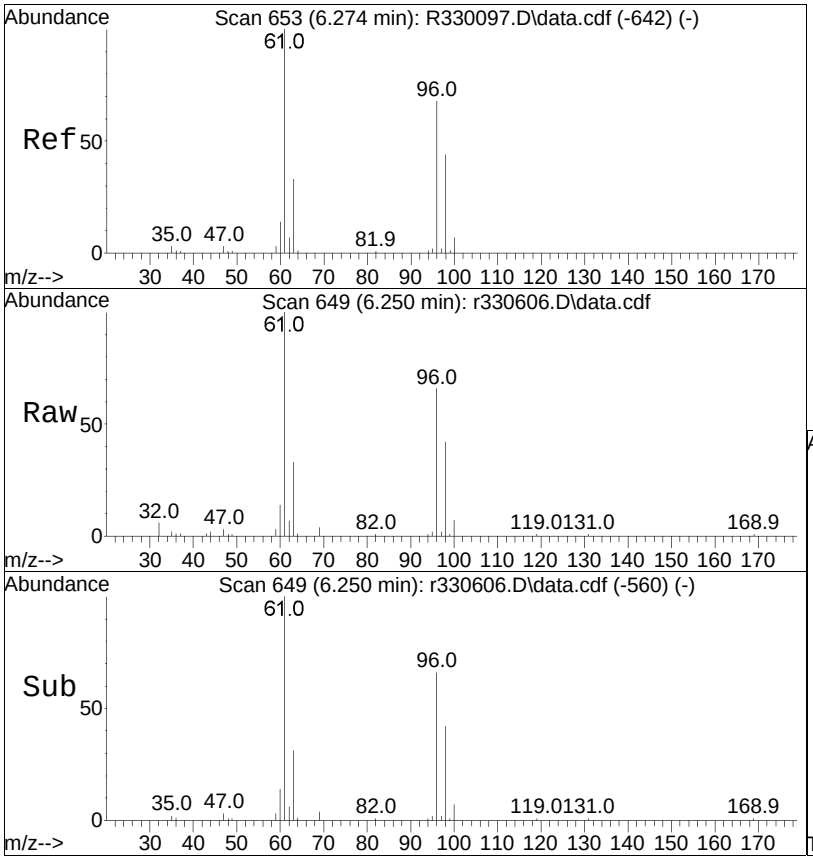


#22
isopropyl alcohol
Concen: 2.04 ppbV
RT: 5.657 min Scan# 474
Delta R.T. -0.006 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 45 Resp: 104966

Ion	Ratio	Lower	Upper
45	100		
59	5.0	3.0	4.4#

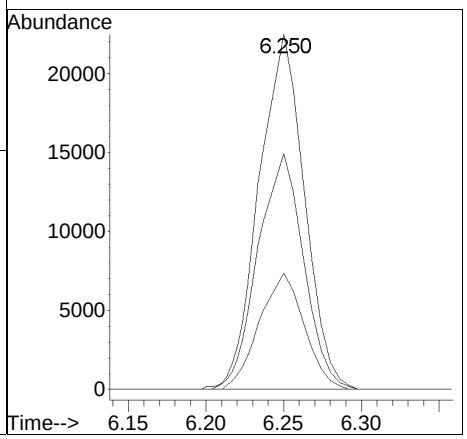


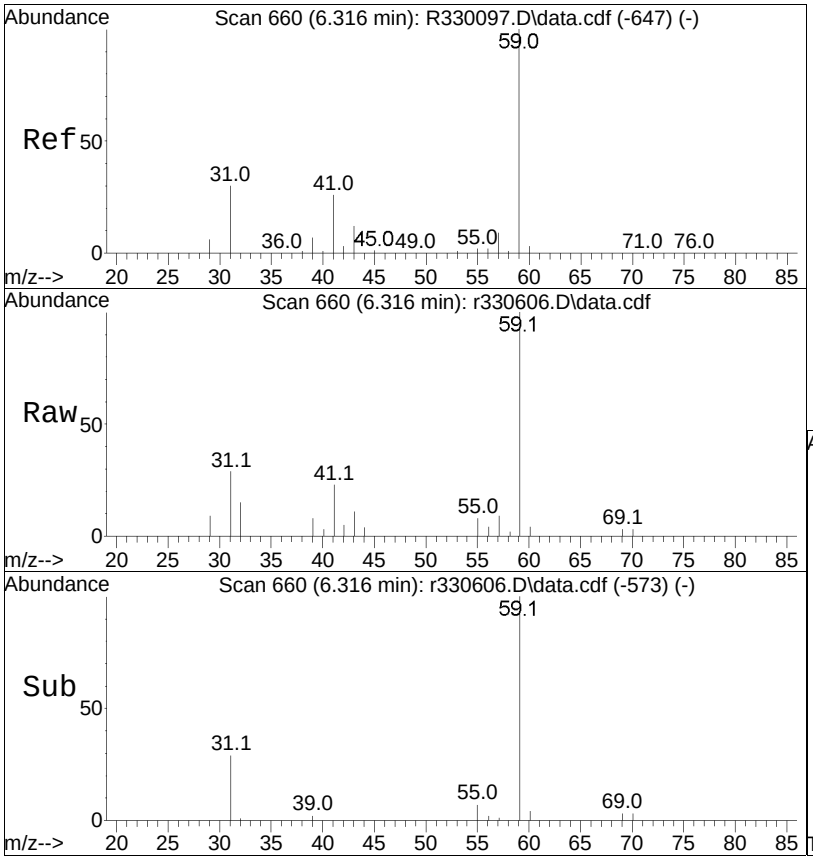


#26
1,1-dichloroethene
Concen: 1.01 ppbV
RT: 6.250 min Scan# 649
Delta R.T. -0.024 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 61 Resp: 36056

Ion	Ratio	Lower	Upper
61	100		
96	66.3	54.2	81.2
63	32.7	26.5	39.7

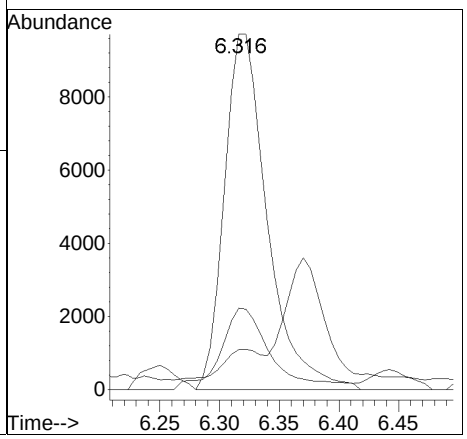


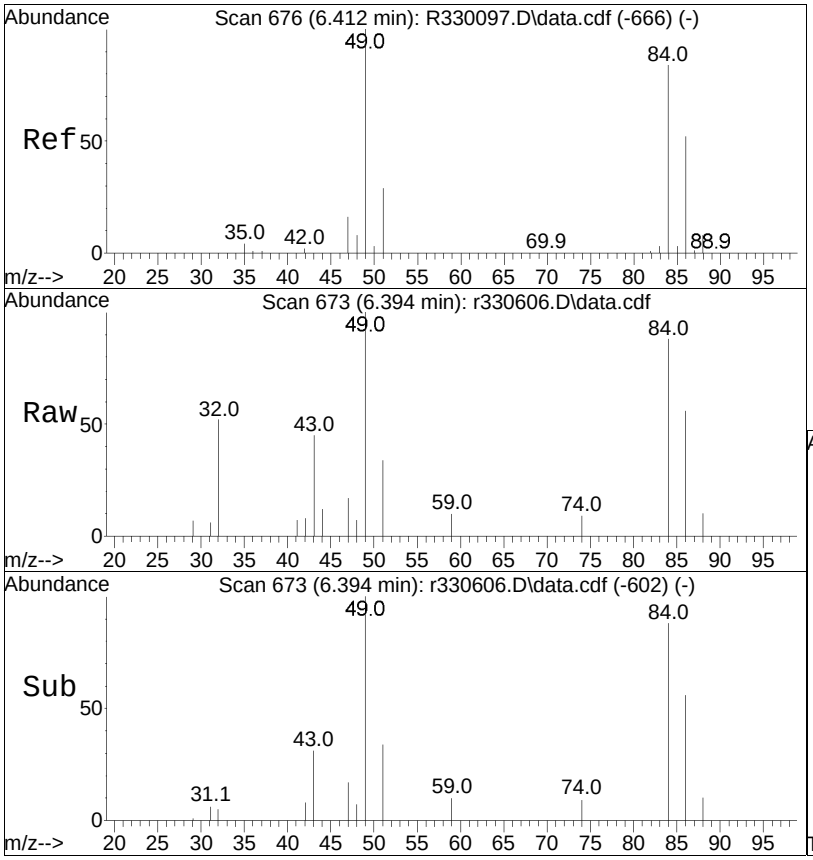


#27
tertiary butyl alcohol
Concen: 0.48 ppbV
RT: 6.316 min Scan# 660
Delta R.T. 0.000 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 59 Resp: 24292

Ion	Ratio	Lower	Upper
59	100		
41	22.9	20.4	30.6
43	11.2	9.4	14.0

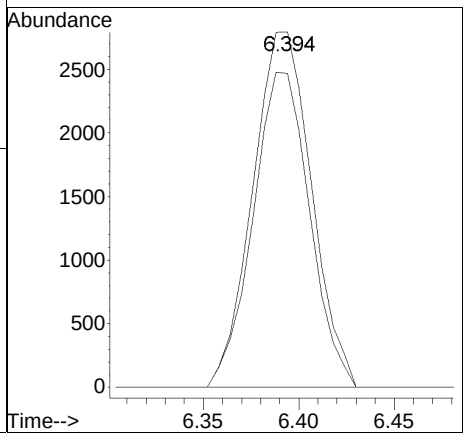


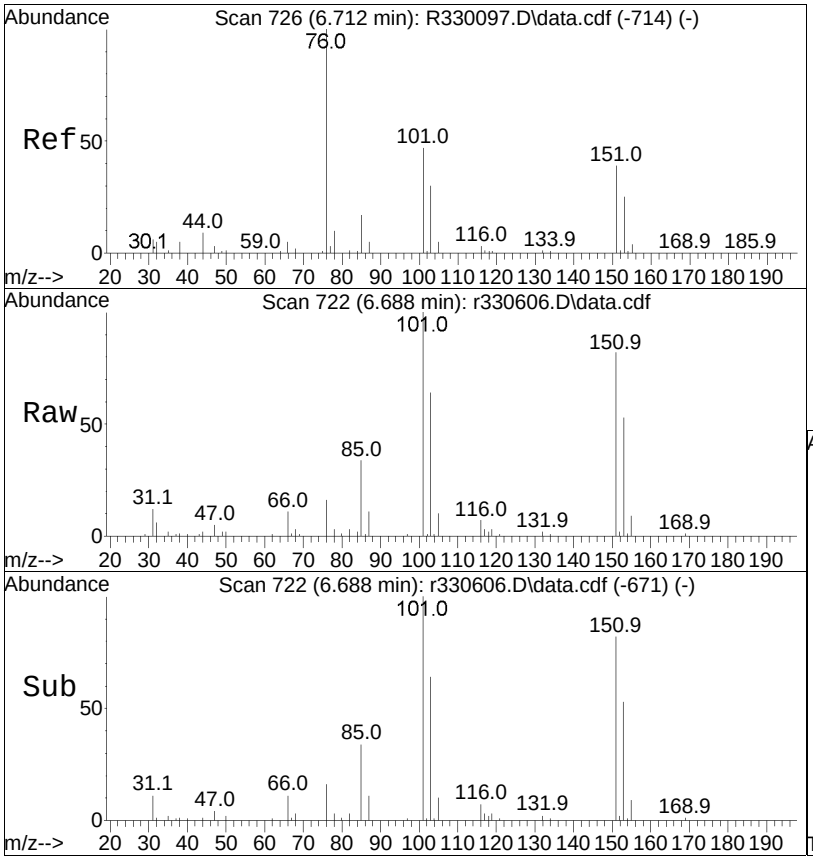


#28
methylene chloride
Concen: 0.21 ppbV
RT: 6.394 min Scan# 673
Delta R.T. -0.018 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 49 Resp: 5993

Ion	Ratio	Lower	Upper
49	100		
84	88.3	67.0	100.4

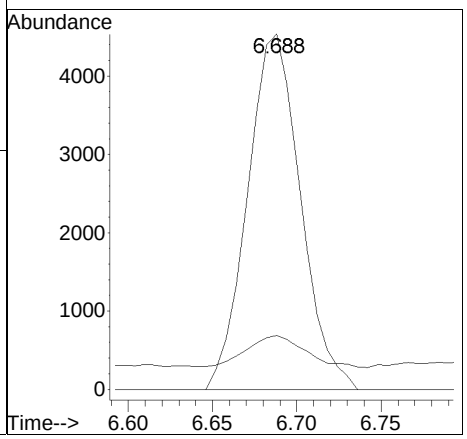


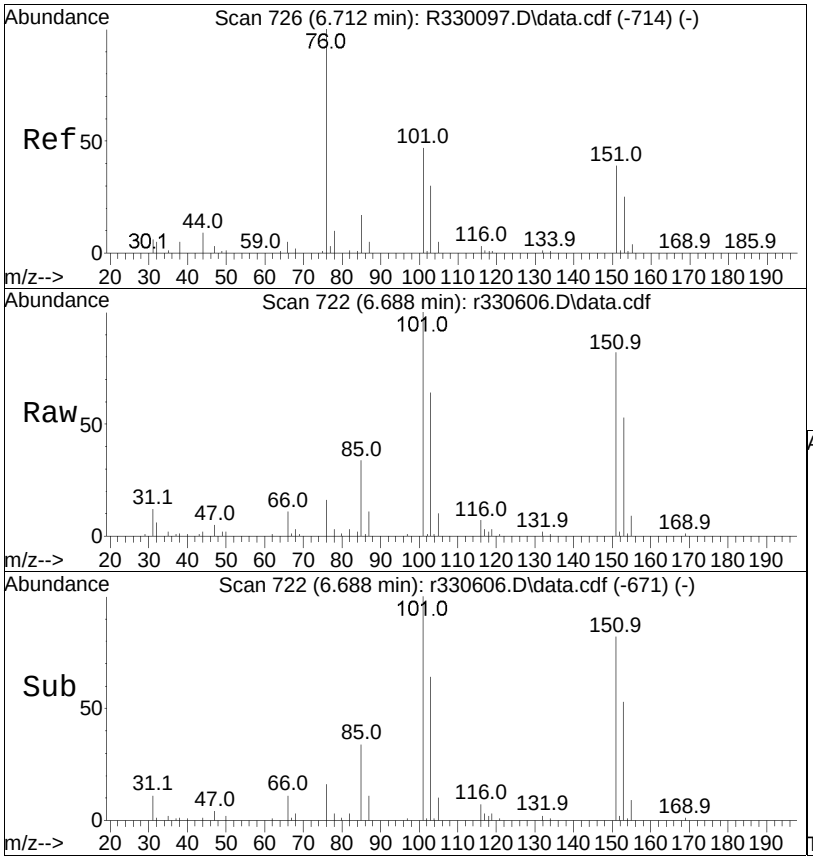


#30
carbon disulfide
Concen: 0.11 ppbV
RT: 6.688 min Scan# 722
Delta R.T. -0.024 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 76 Resp: 9910

Ion	Ratio	Lower	Upper
76	100		
44	15.2	7.1	10.7#

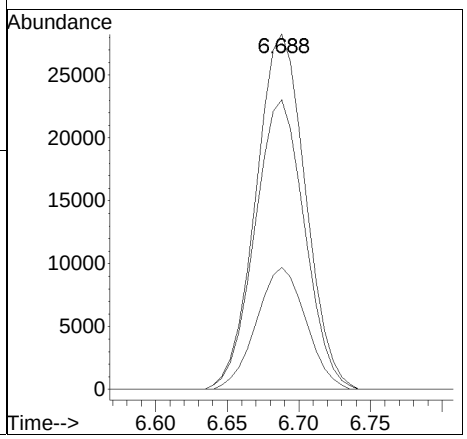


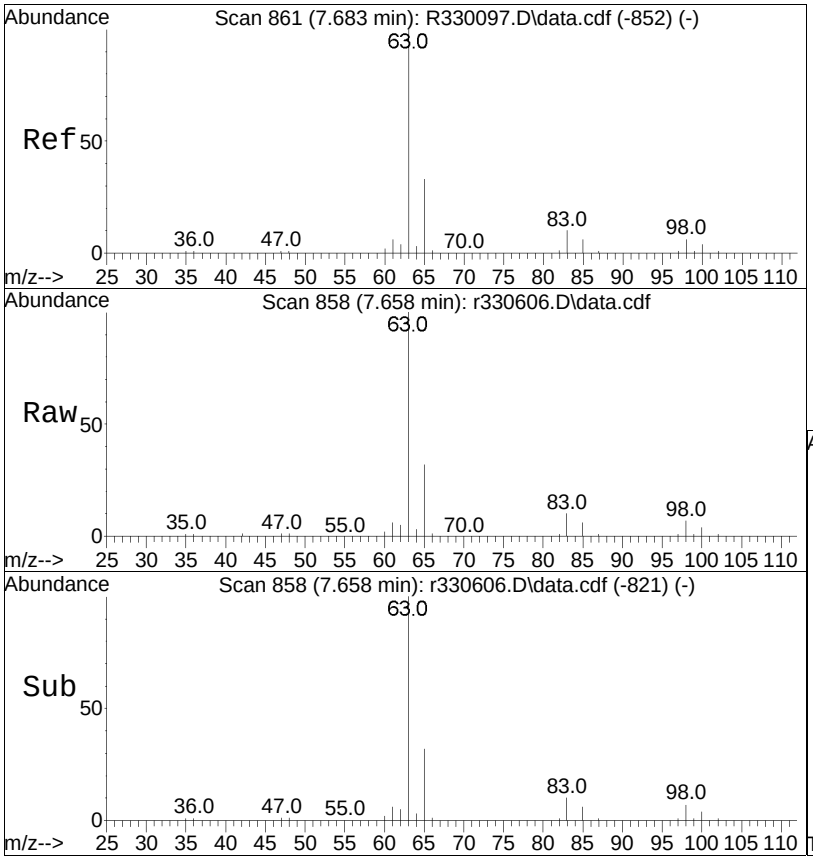


#31
Freon 113
Concen: 1.47 ppbV
RT: 6.688 min Scan# 722
Delta R.T. -0.024 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion:101 Resp: 68232

Ion	Ratio	Lower	Upper
101	100		
85	34.4	28.5	42.7
151	81.5	66.9	100.3

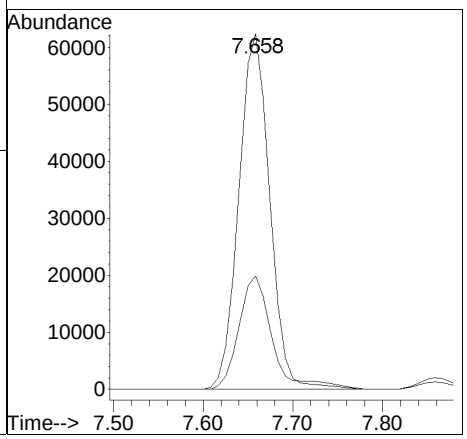


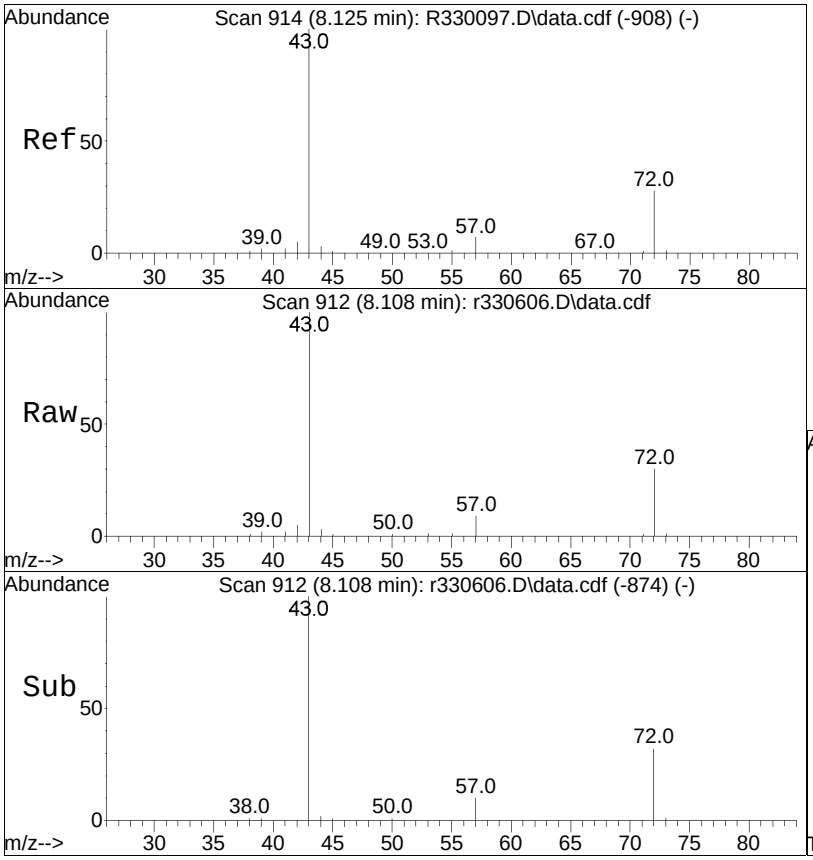


#33
1,1-dichloroethane
Concen: 2.92 ppbV
RT: 7.658 min Scan# 858
Delta R.T. -0.025 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 63 Resp: 149576

Ion	Ratio	Lower	Upper
63	100		
65	32.0	26.2	39.4

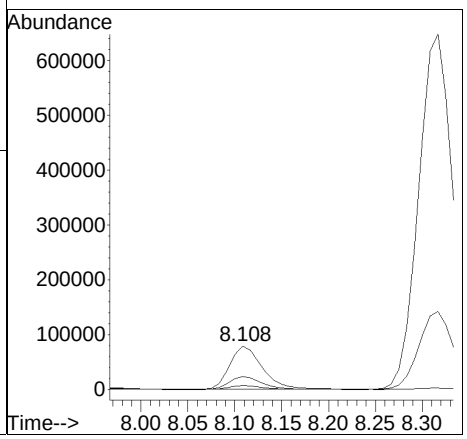


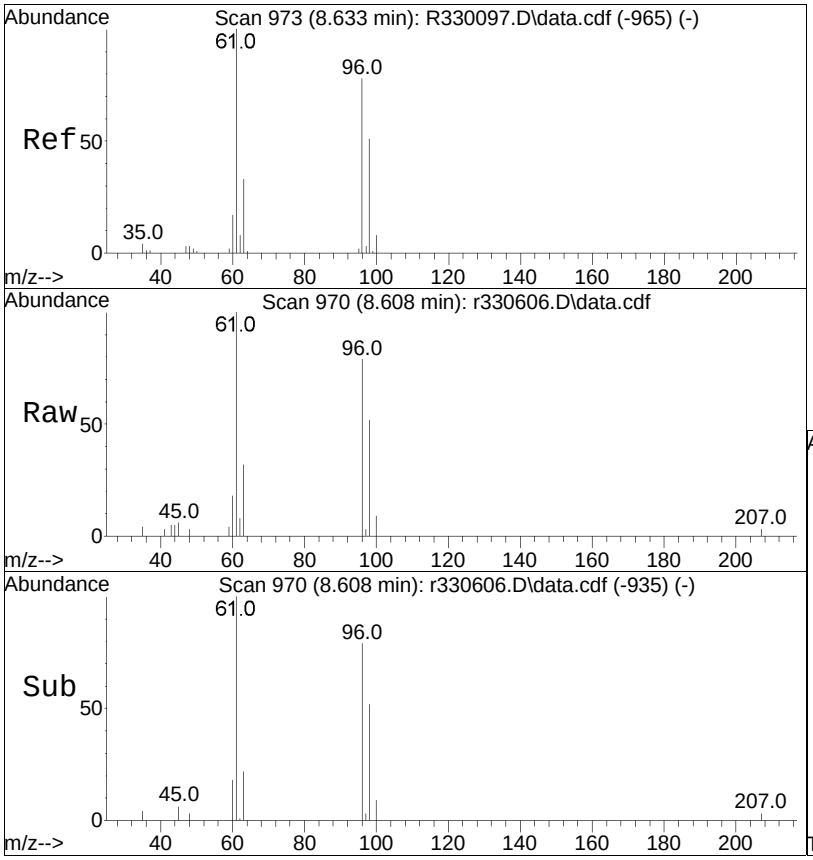


#36
2-butanone
Concen: 2.89 ppbV
RT: 8.108 min Scan# 912
Delta R.T. -0.017 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 43 Resp: 190262

Ion	Ratio	Lower	Upper
43	100		
72	30.0	22.1	33.1
57	9.0	5.3	7.9#

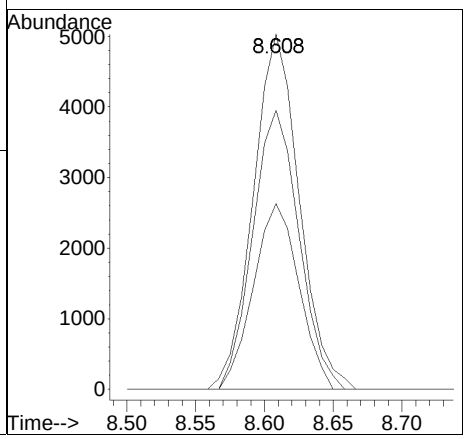


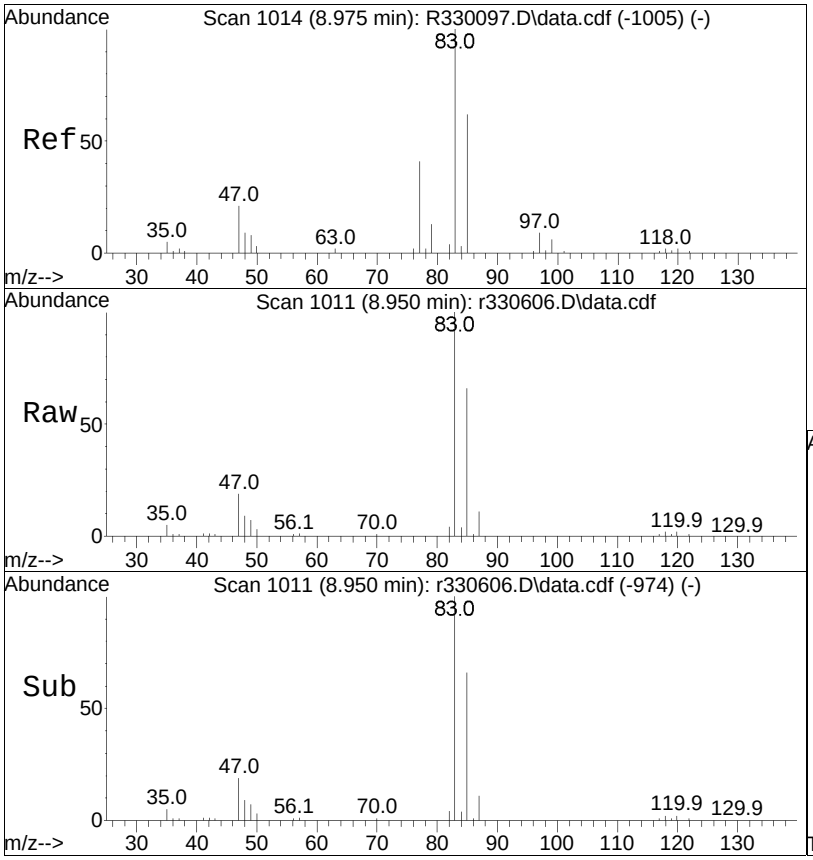


#37
cis-1,2-dichloroethene
Concen: 0.32 ppbV
RT: 8.608 min Scan# 970
Delta R.T. -0.025 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 61 Resp: 11761

Ion	Ratio	Lower	Upper
61	100		
96	78.6	62.6	94.0
98	52.3	40.7	61.1

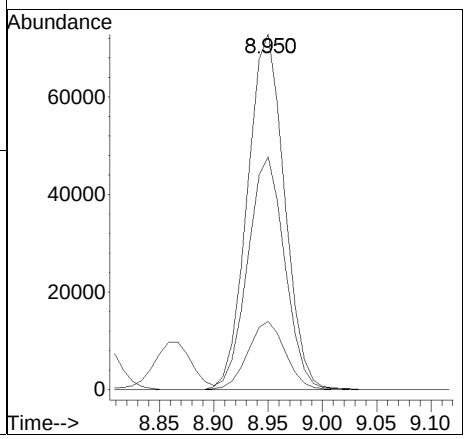


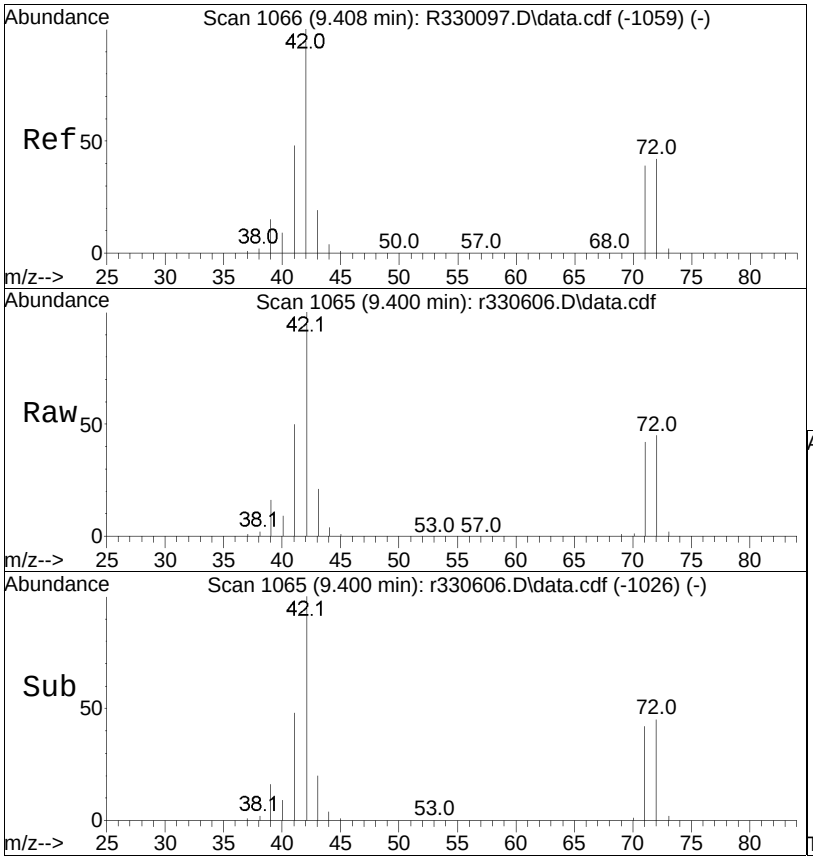


#39
chloroform
Concen: 3.96 ppbV
RT: 8.950 min Scan# 1011
Delta R.T. -0.025 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 83 Resp: 172918

Ion	Ratio	Lower	Upper
83	100		
85	65.5	49.8	74.8
47	19.2	16.8	25.2

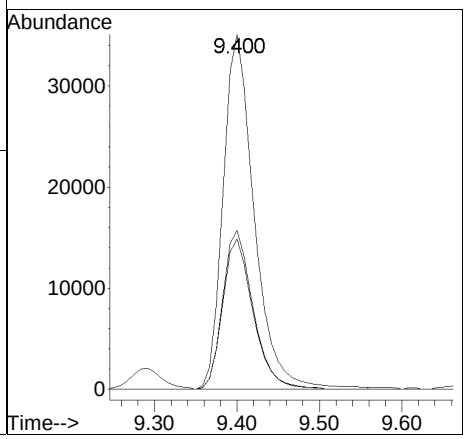


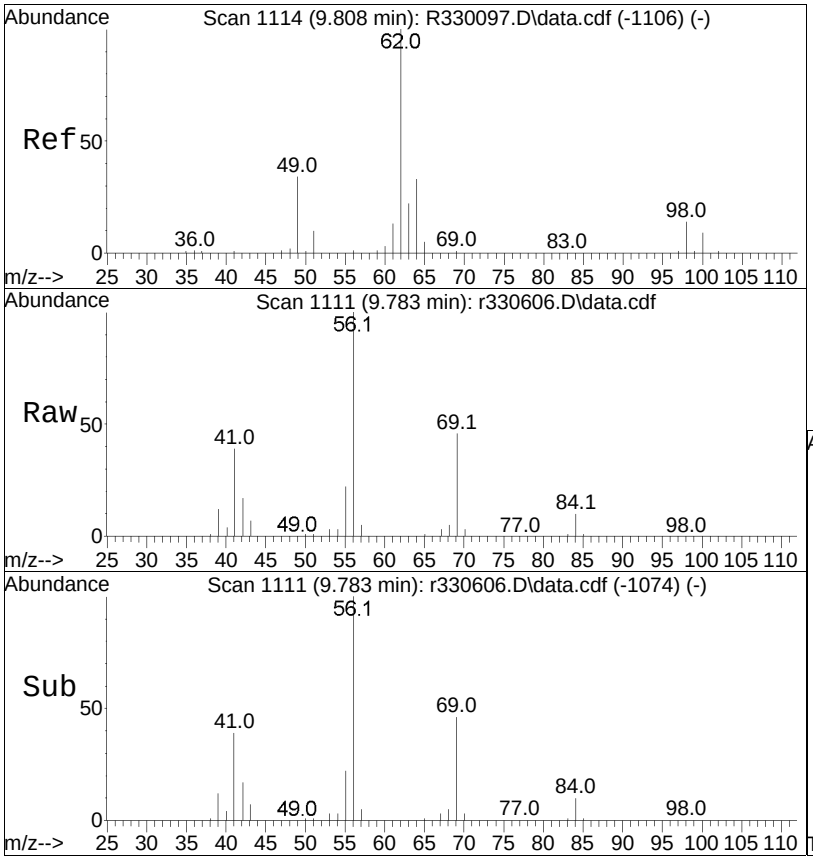


#40
Tetrahydrofuran
Concen: 2.17 ppbV
RT: 9.400 min Scan# 1065
Delta R.T. -0.008 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 42 Resp: 92455

Ion	Ratio	Lower	Upper
42	100		
71	42.3	31.0	46.4
72	44.7	33.4	50.2

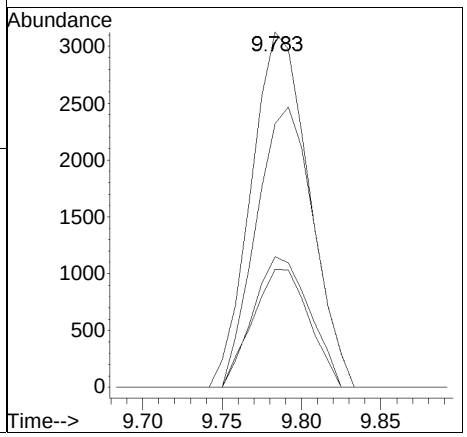


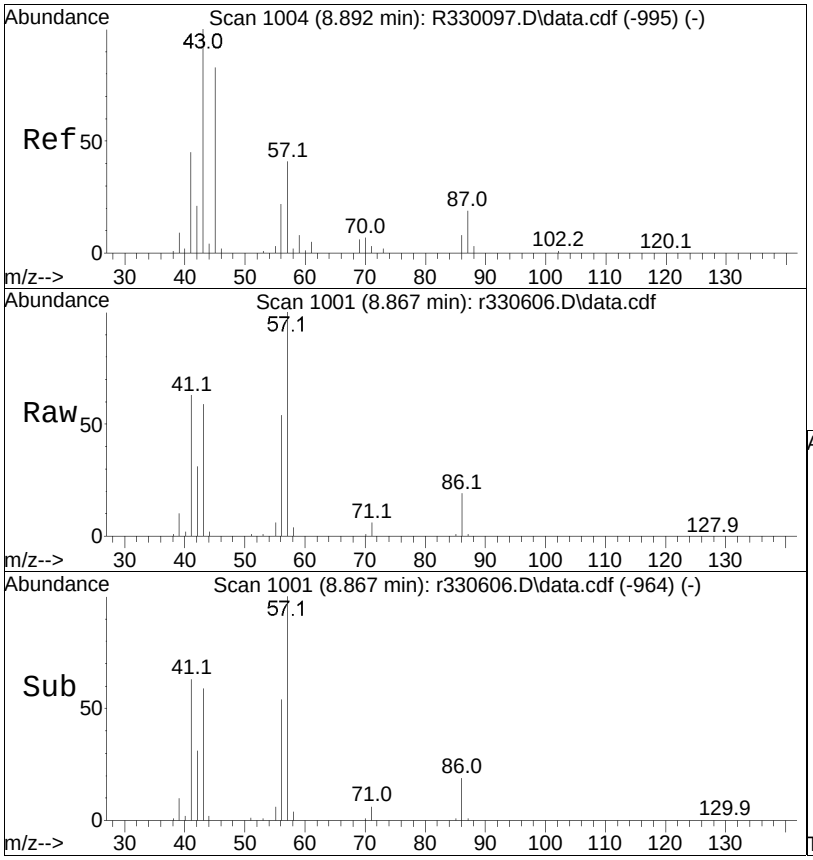


#42
1,2-dichloroethane
Concen: 0.28 ppbV
RT: 9.783 min Scan# 1111
Delta R.T. -0.025 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 62 Resp: 7939

Ion	Ratio	Lower	Upper
62	100		
64	33.3	26.9	40.3
49	36.8	26.8	40.2
63	74.2	17.5	26.3#

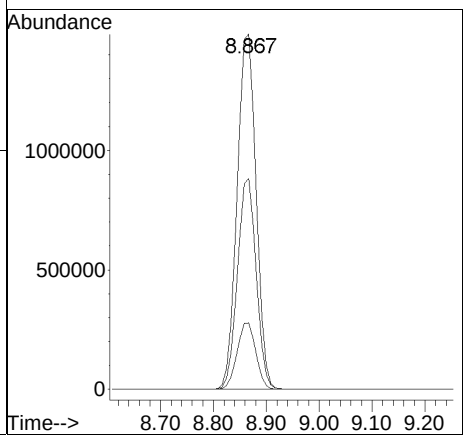


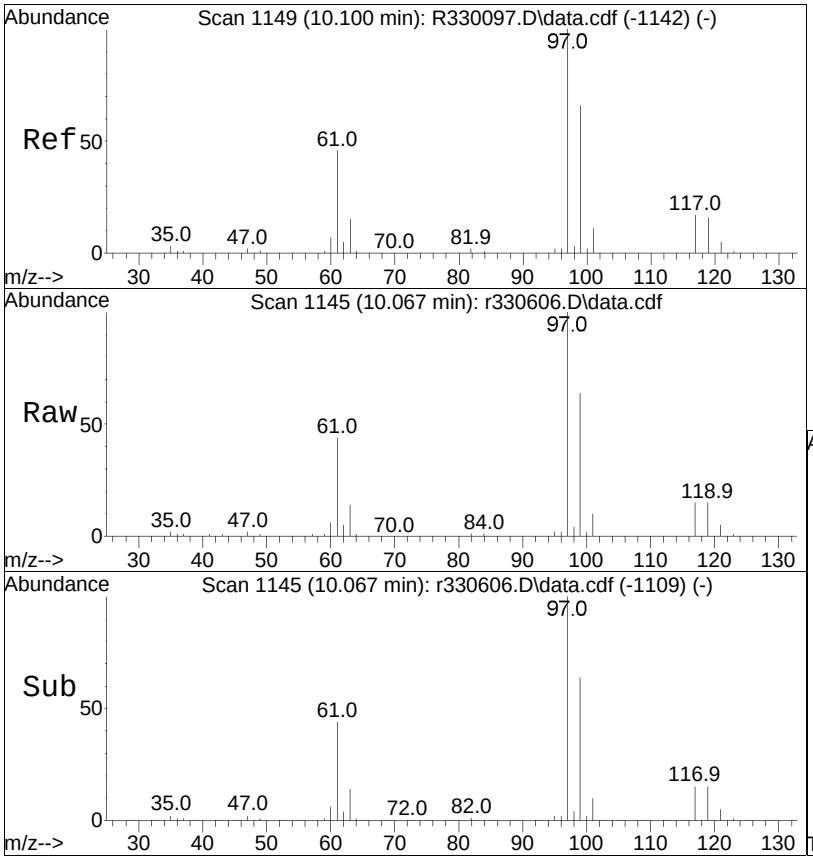


#44
hexane
Concen: 81.36 ppbV
RT: 8.867 min Scan# 1001
Delta R.T. -0.025 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 57 Resp: 3714084

Ion	Ratio	Lower	Upper
57	100		
43	59.4	196.5	294.7#
86	18.7	15.8	23.6

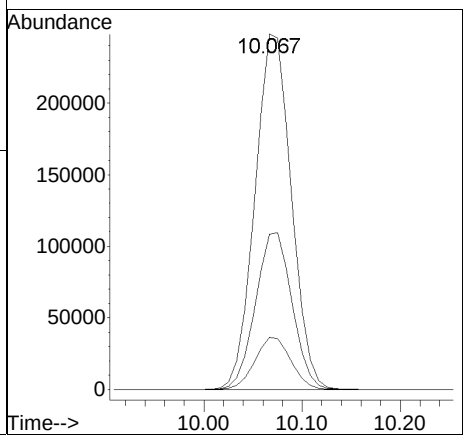


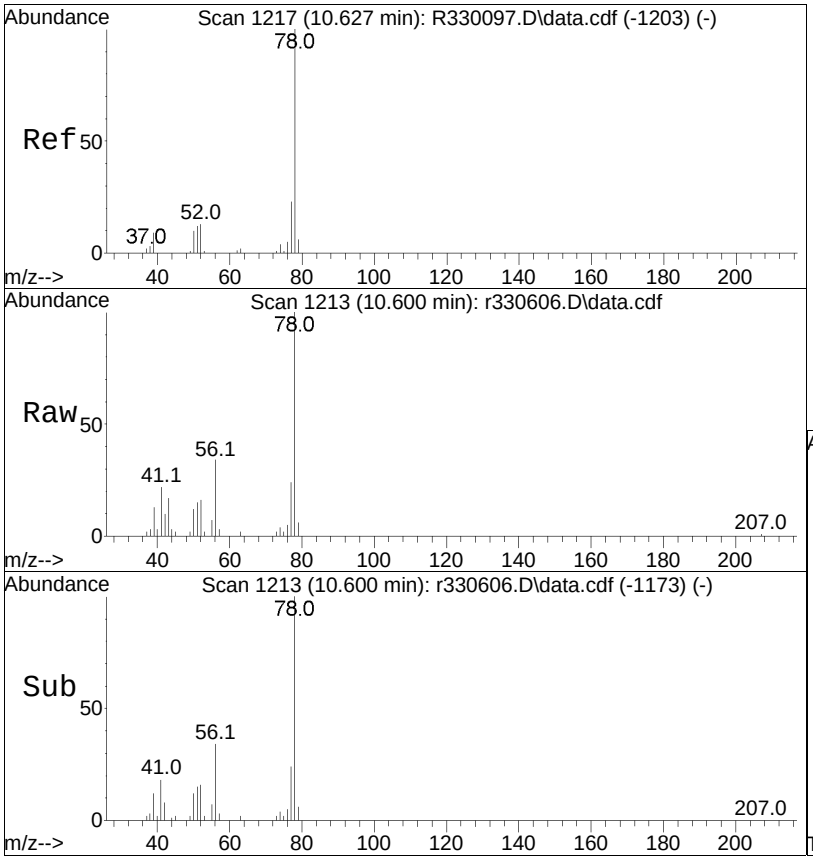


#48
1,1,1-trichloroethane
Concen: 17.42 ppbV
RT: 10.067 min Scan# 1145
Delta R.T. -0.033 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 97 Resp: 638065

Ion	Ratio	Lower	Upper
97	100		
61	43.7	36.6	54.8
119	14.7	13.0	19.4

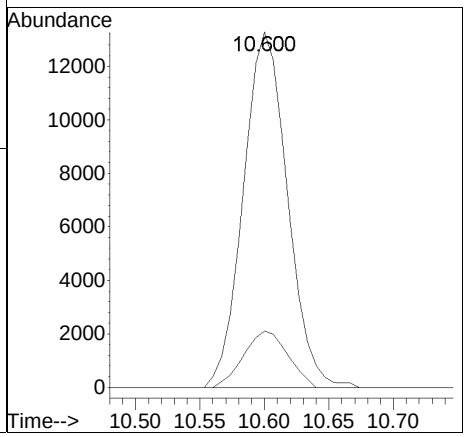


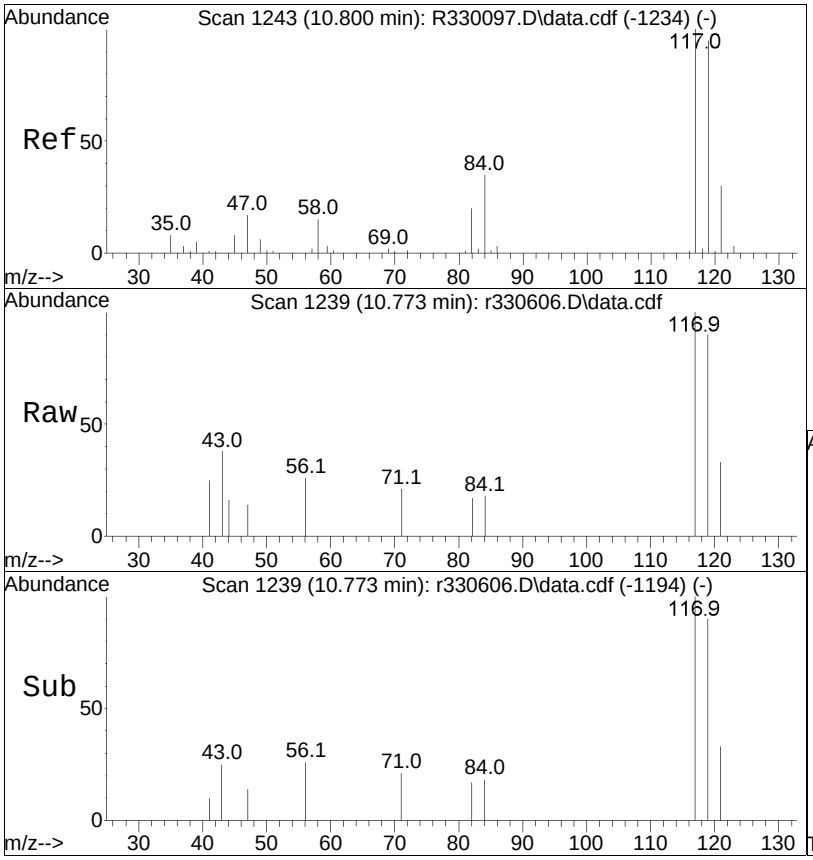


#50
benzene
Concen: 0.31 ppbV
RT: 10.600 min Scan# 1213
Delta R.T. -0.027 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 78 Resp: 31579

Ion	Ratio	Lower	Upper
78	100		
52	15.9	10.4	15.6#

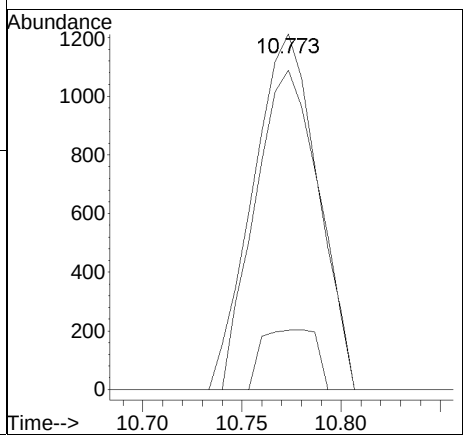


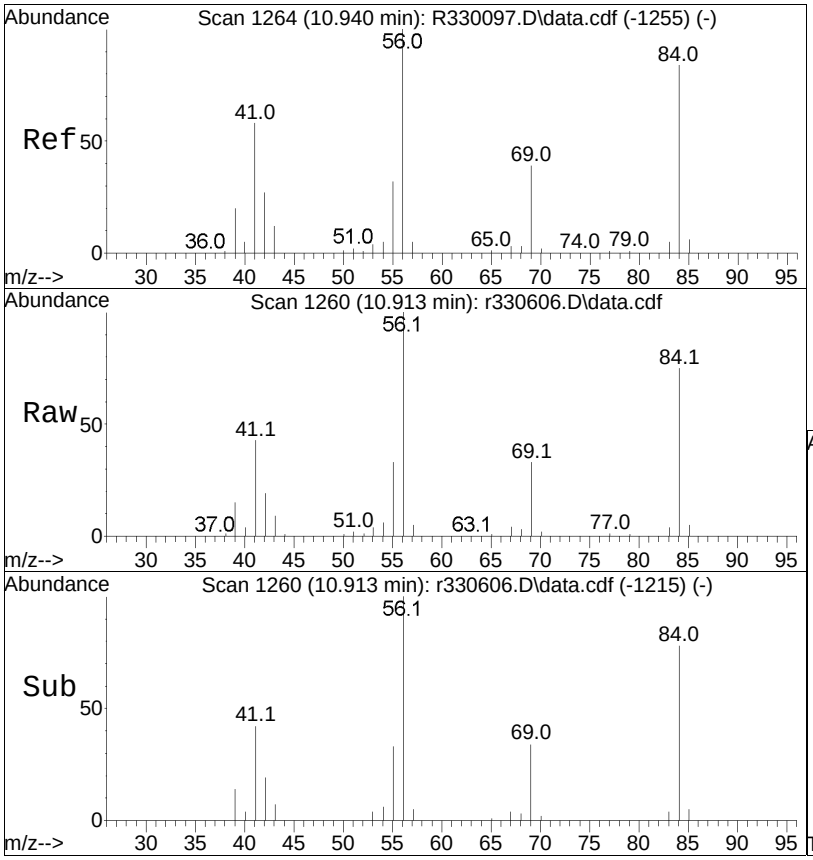


#52
carbon tetrachloride
Concen: 0.08 ppbV
RT: 10.773 min Scan# 1239
Delta R.T. -0.027 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion:117 Resp: 2752

Ion	Ratio	Lower	Upper
117	100		
119	89.9	75.8	113.8
82	16.7	16.5	24.7

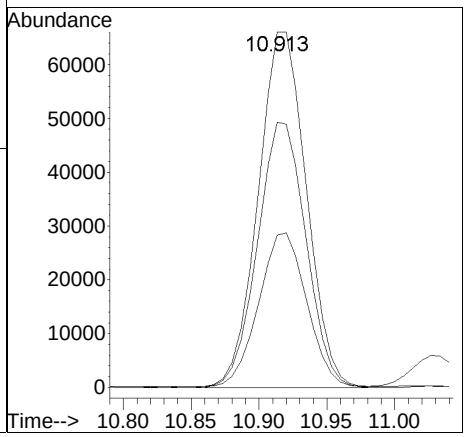


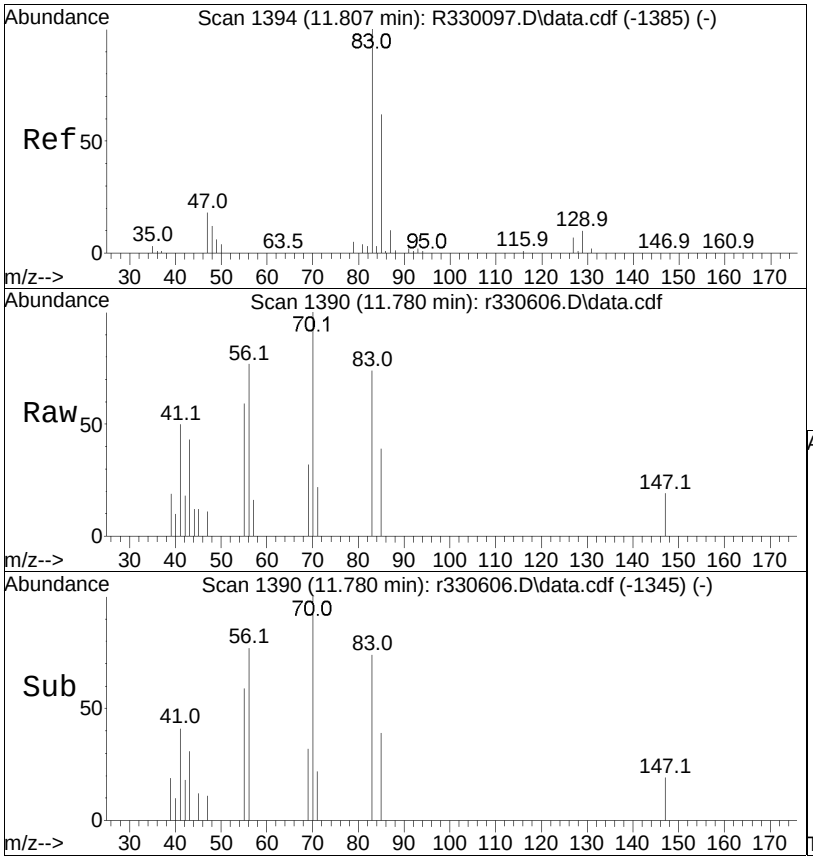


#53
cyclohexane
Concen: 3.36 ppbV
RT: 10.913 min Scan# 1260
Delta R.T. -0.027 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 56 Resp: 163069

Ion	Ratio	Lower	Upper
56	100		
84	74.7	67.4	101.2
41	42.8	46.4	69.6#

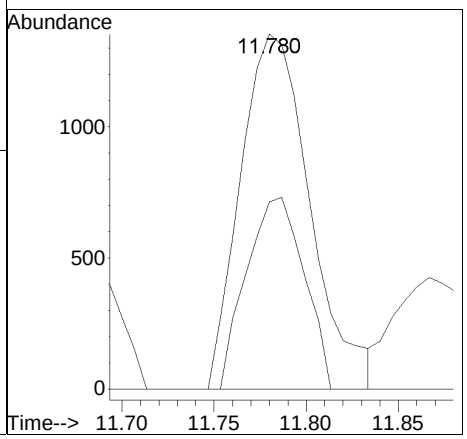


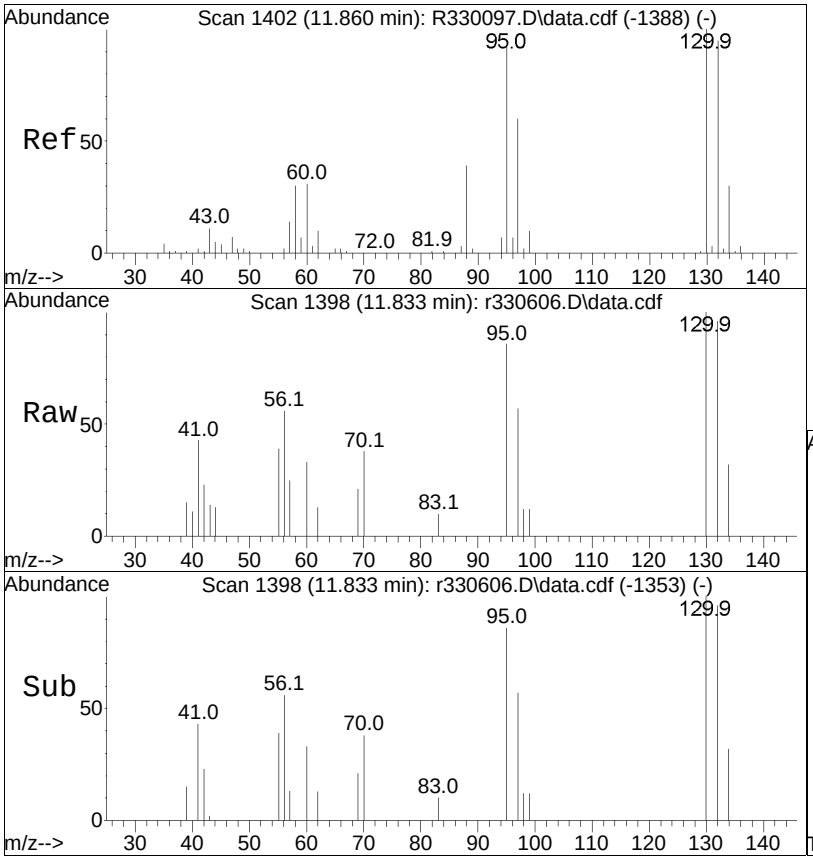


#57
bromodichloromethane
Concen: 0.08 ppbV
RT: 11.780 min Scan# 1390
Delta R.T. -0.027 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 83 Resp: 3560

Ion	Ratio	Lower	Upper
83	100		
85	52.8	49.7	74.5
129	0.0	7.7	11.5#

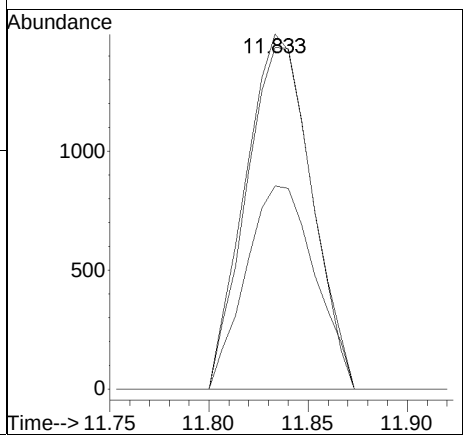


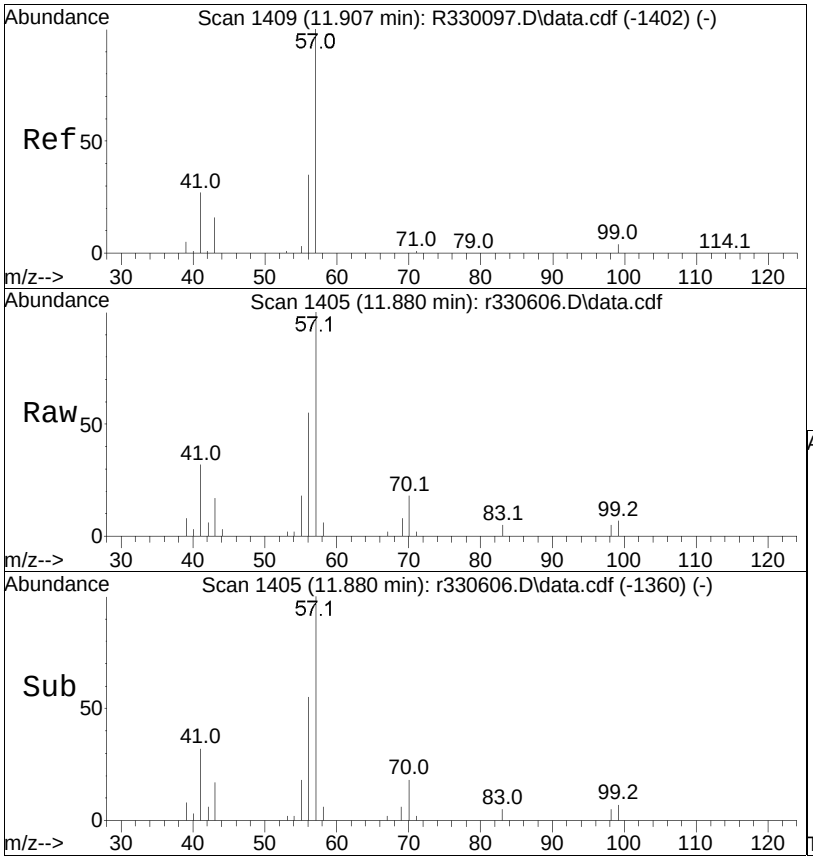


#59
trichloroethene
Concen: 0.10 ppbV
RT: 11.833 min Scan# 1398
Delta R.T. -0.027 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion:130 Resp: 3454

Ion	Ratio	Lower	Upper
130	100		
132	96.2	76.3	114.5
97	57.2	47.8	71.6

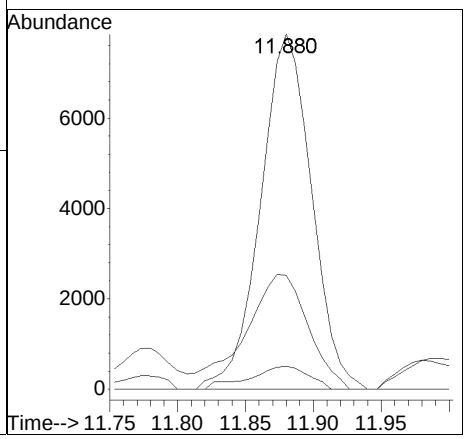


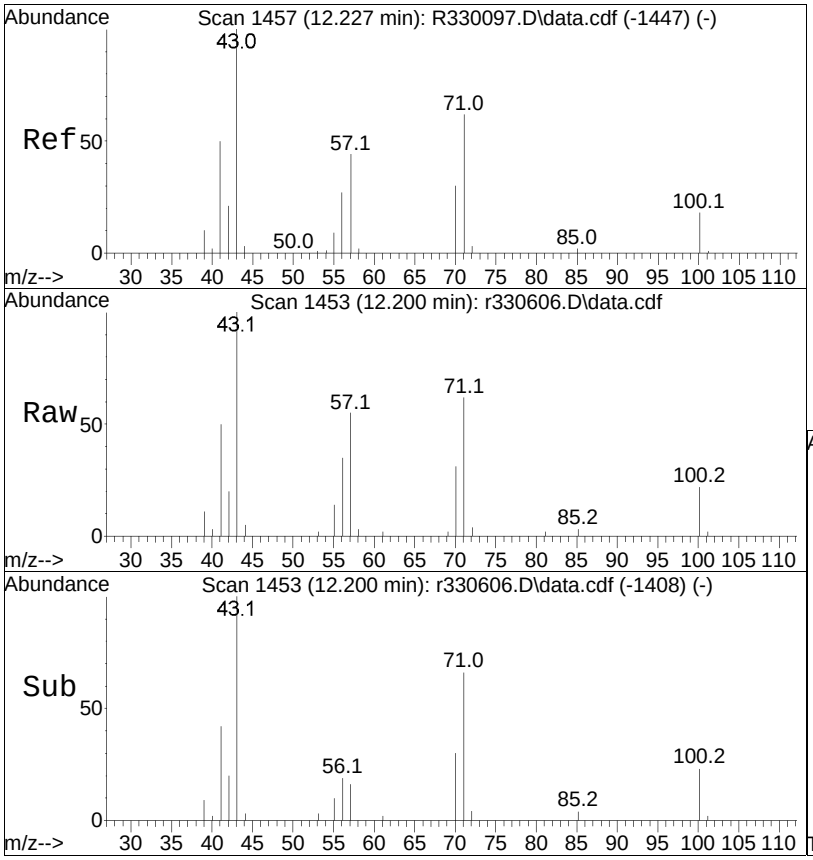


#60
2,2,4-trimethylpentane
Concen: 0.14 ppbV
RT: 11.880 min Scan# 1405
Delta R.T. -0.027 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 57 Resp: 20534

Ion	Ratio	Lower	Upper
57	100		
99	6.5	5.3	7.9
41	32.0	21.4	32.0#

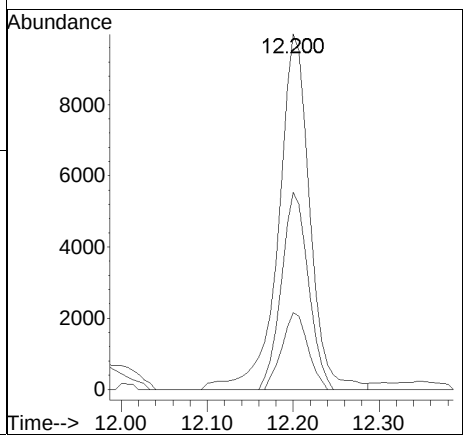


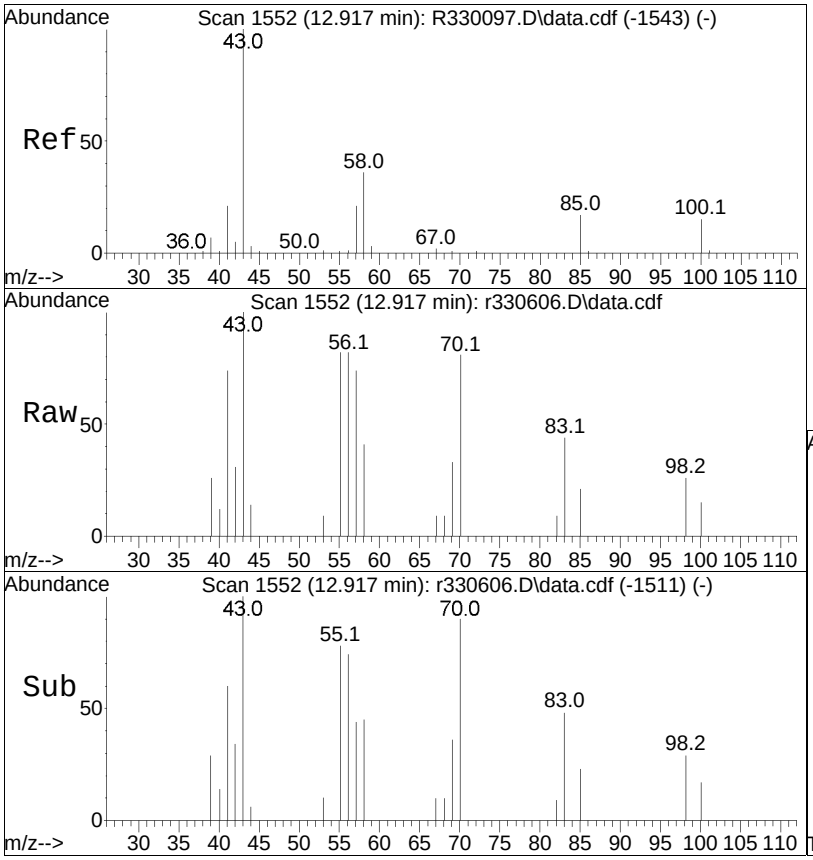


#62
heptane
Concen: 0.38 ppbV
RT: 12.200 min Scan# 1453
Delta R.T. -0.027 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 43 Resp: 25329

Ion	Ratio	Lower	Upper
43	100		
57	55.5	34.9	52.3#
100	21.6	14.9	22.3

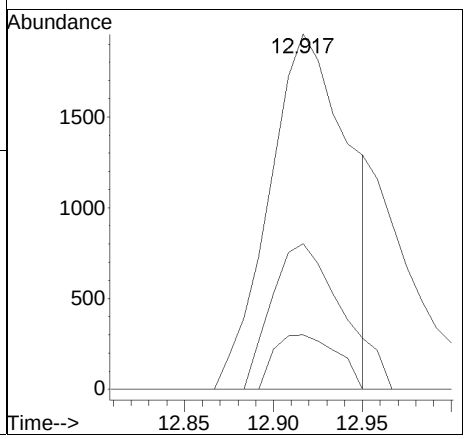


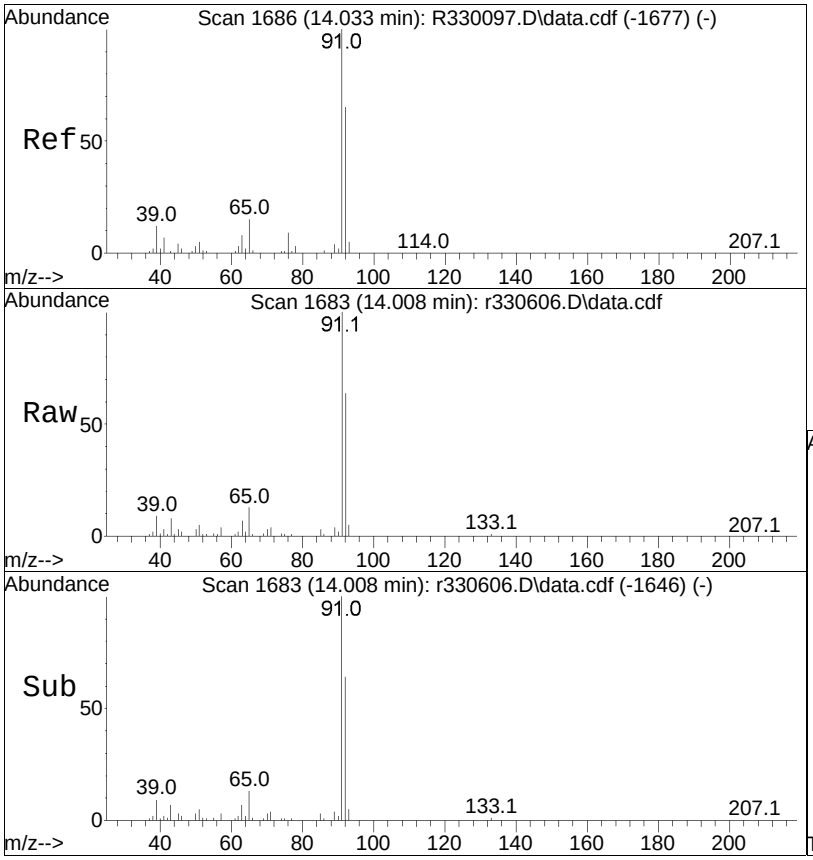


#64
4-methyl-2-pentanone
Concen: 0.08 ppbV m
RT: 12.917 min Scan# 1552
Delta R.T. 0.000 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 43 Resp: 6093

Ion	Ratio	Lower	Upper
43	100		
58	41.0	29.1	43.7
100	15.3	12.2	18.4

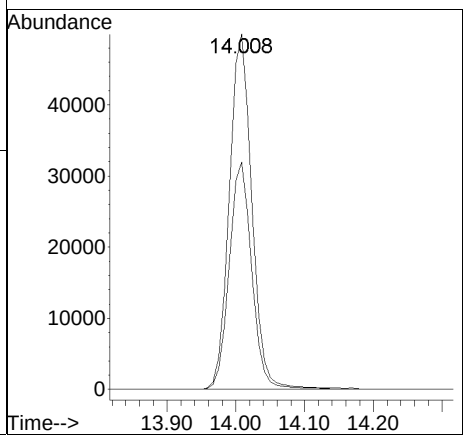


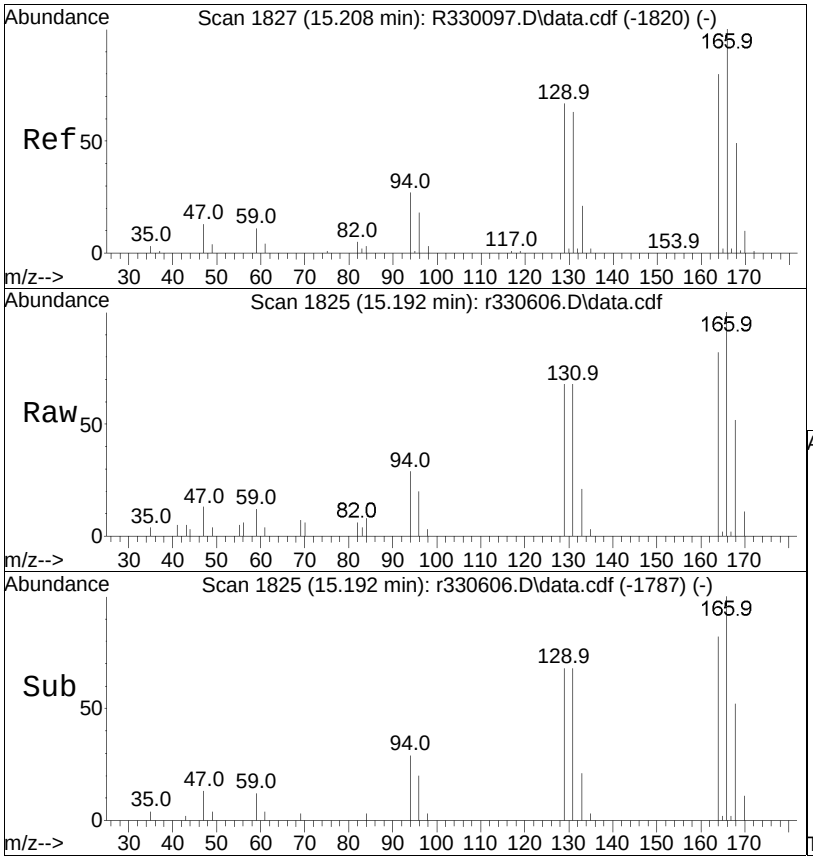


#68
toluene
Concen: 0.91 ppbV
RT: 14.008 min Scan# 1683
Delta R.T. -0.025 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 91 Resp: 114456

Ion	Ratio	Lower	Upper
91	100		
92	64.0	52.1	78.1

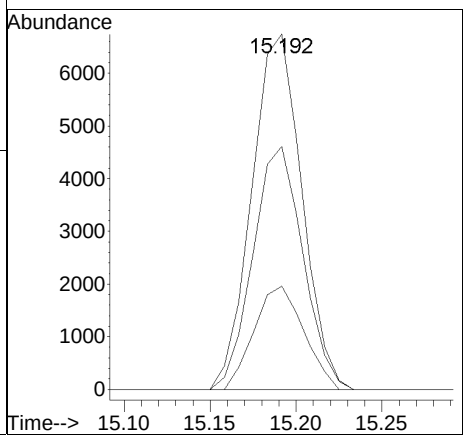


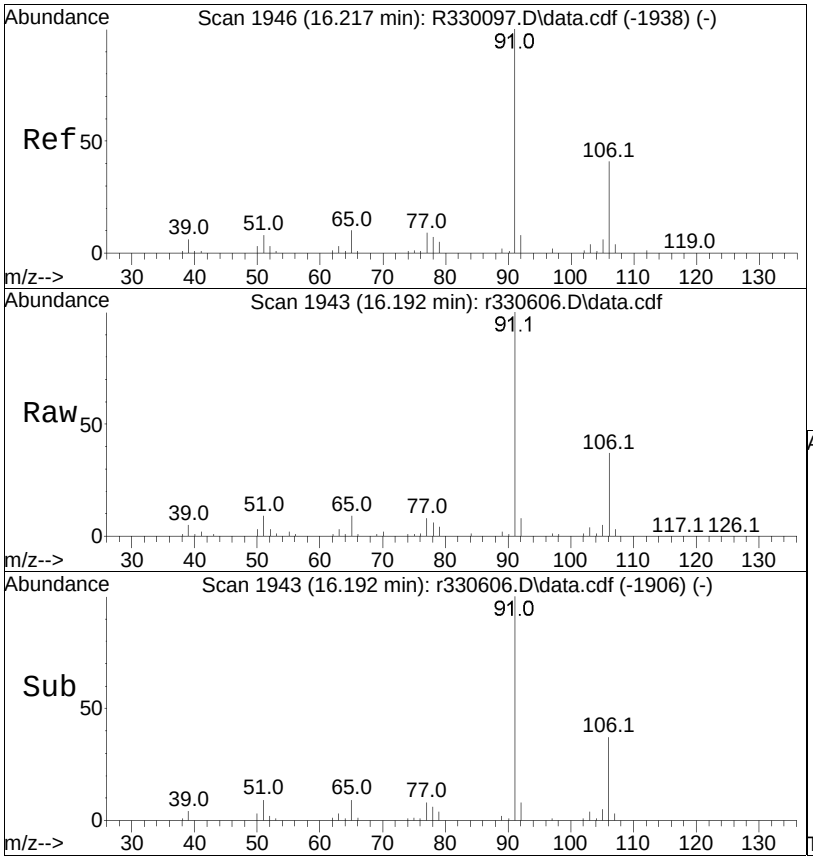


#78
tetrachloroethene
Concen: 0.24 ppbV
RT: 15.192 min Scan# 1825
Delta R.T. -0.017 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion:166 Resp: 13672

Ion	Ratio	Lower	Upper
166	100		
131	68.4	50.6	75.8
94	29.1	21.4	32.2

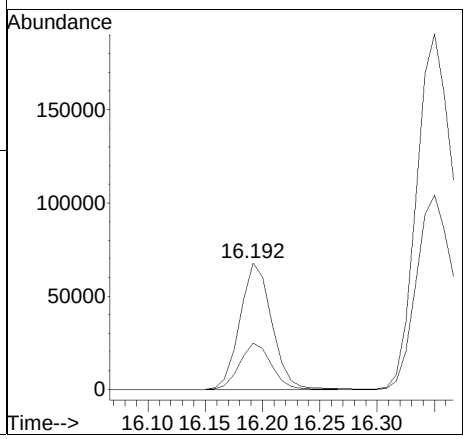


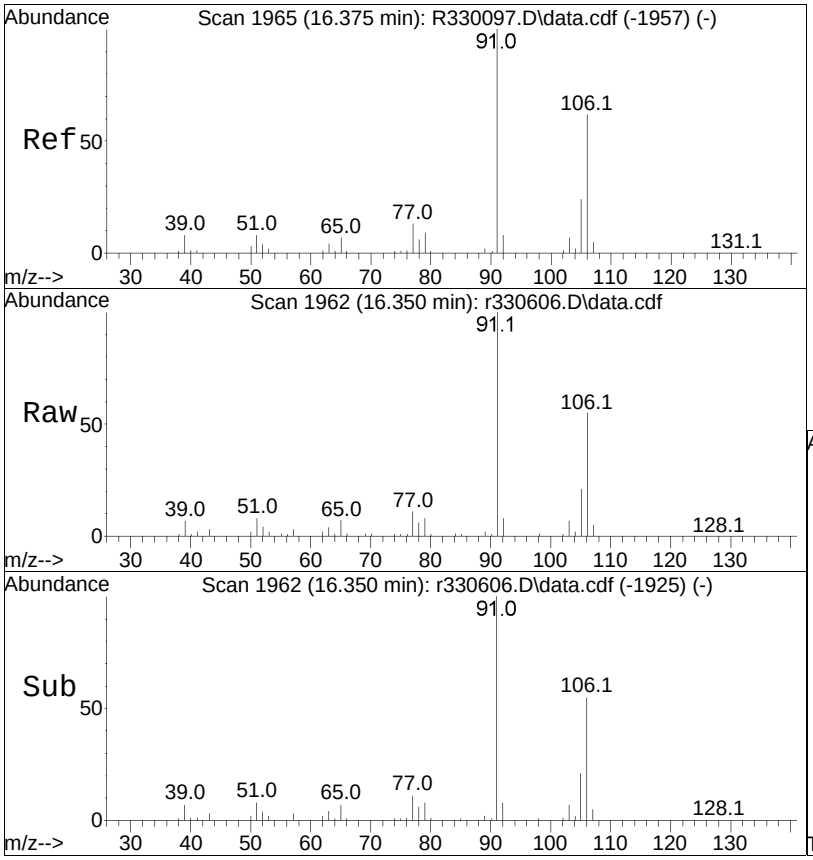


#81
ethylbenzene
Concen: 0.83 ppbV
RT: 16.192 min Scan# 1943
Delta R.T. -0.025 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 91 Resp: 131377

Ion	Ratio	Lower	Upper
91	100		
106	36.6	32.6	49.0

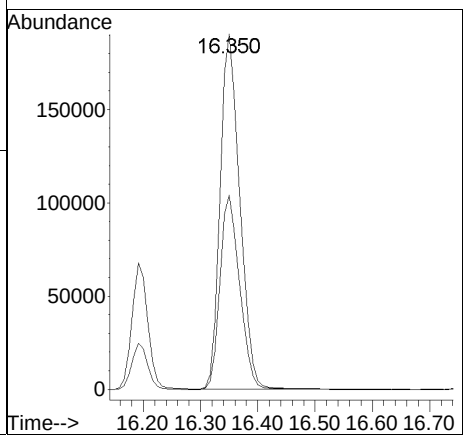


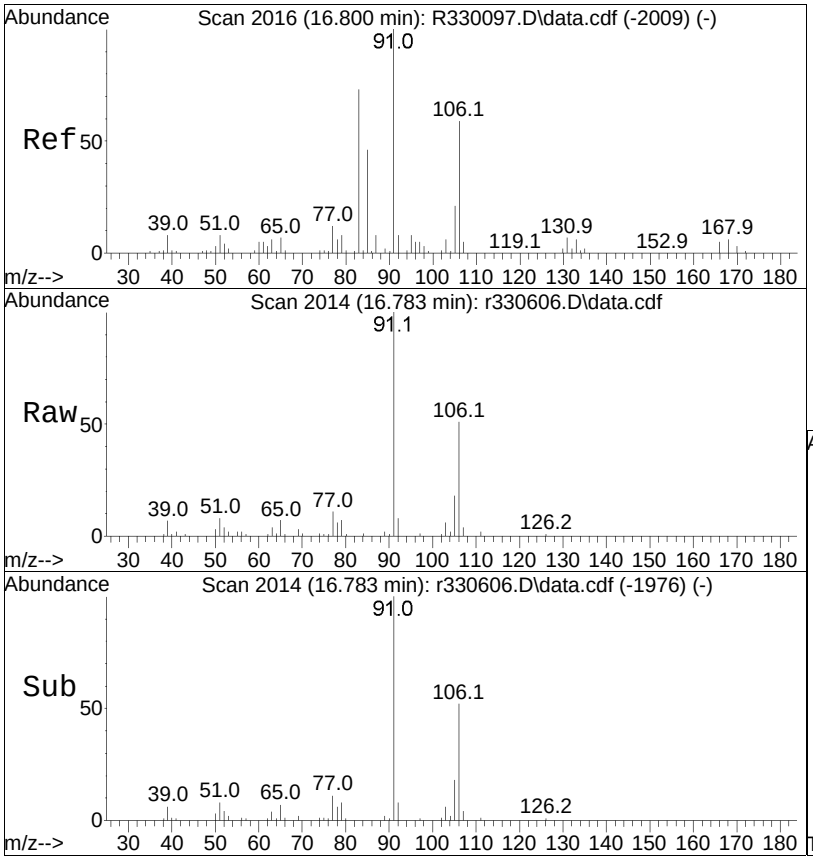


#83
m+p-xylene
Concen: 3.59 ppbV
RT: 16.350 min Scan# 1962
Delta R.T. -0.025 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 91 Resp: 453252

Ion	Ratio	Lower	Upper
91	100		
106	54.7	49.2	73.8

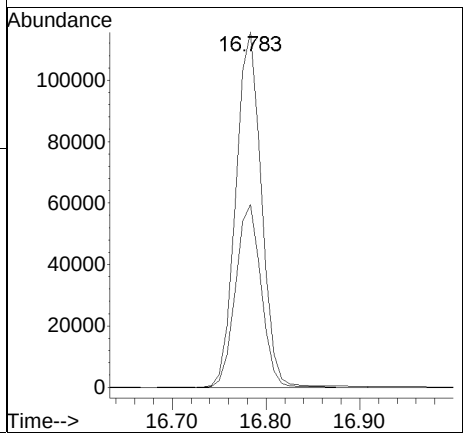


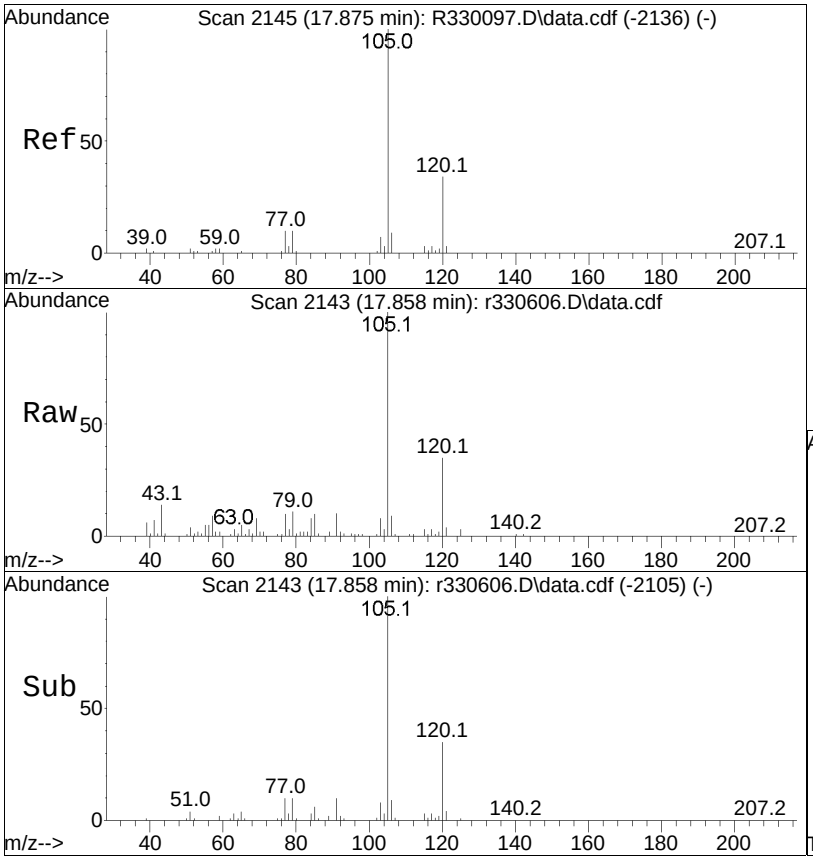


#87
o-xylene
Concen: 1.76 ppbV
RT: 16.783 min Scan# 2014
Delta R.T. -0.017 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion: 91 Resp: 220177

Ion	Ratio	Lower	Upper
91	100		
106	51.5	47.5	71.3

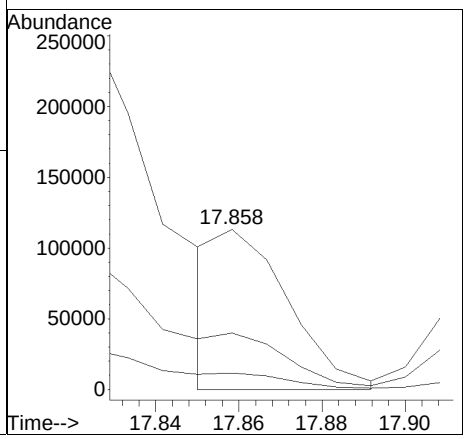


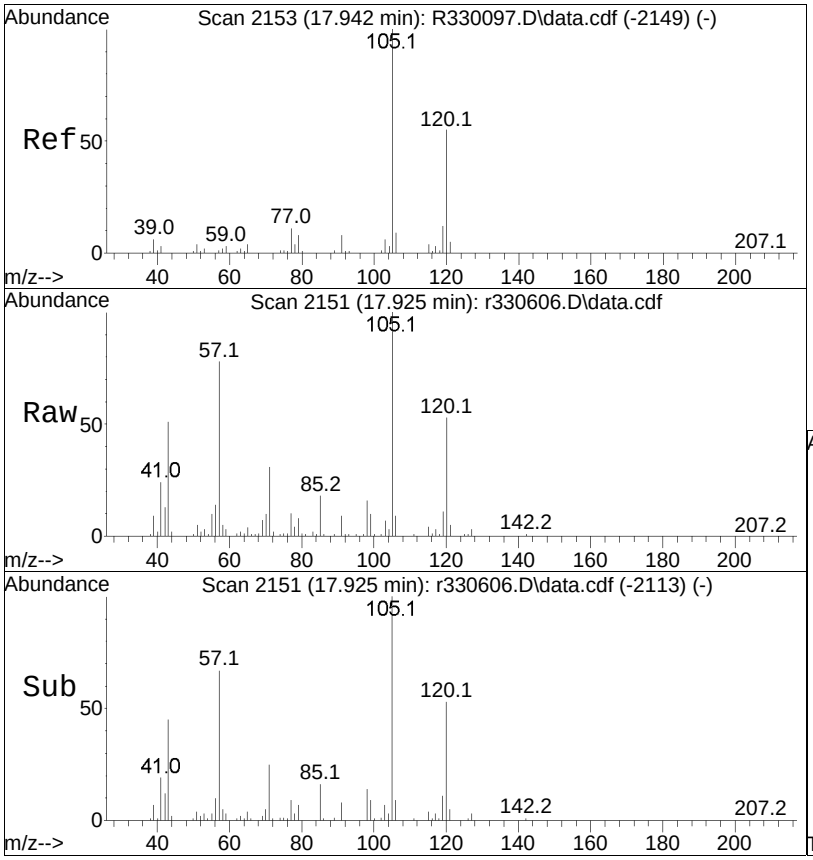


#96
4-ethyl toluene
Concen: 0.73 ppbV m
RT: 17.858 min Scan# 2143
Delta R.T. -0.017 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion:105 Resp: 135509

Ion	Ratio	Lower	Upper
105	100		
120	35.3	27.2	40.8
91	10.3	7.1	10.7

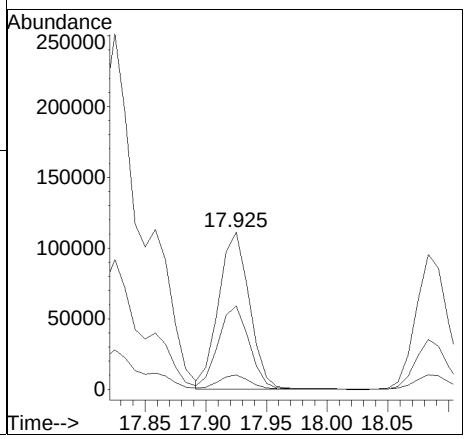


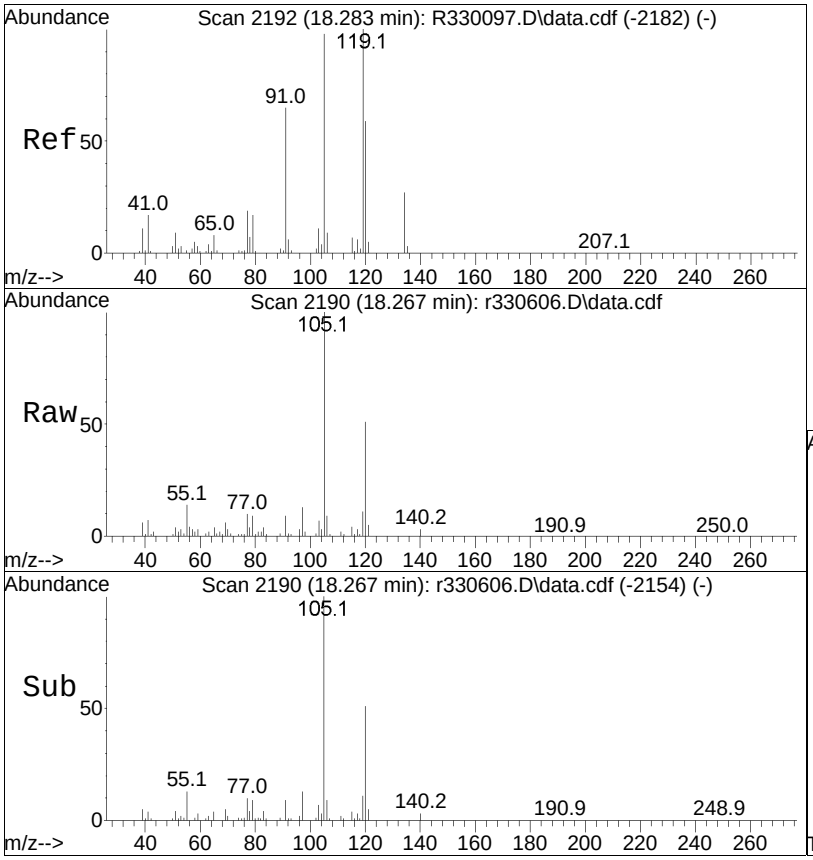


#97
1,3,5-trimethylbenzene
Concen: 1.21 ppbV
RT: 17.925 min Scan# 2151
Delta R.T. -0.017 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion:105 Resp: 196166

Ion	Ratio	Lower	Upper
105	100		
120	53.1	43.1	64.7
91	9.2	6.8	10.2

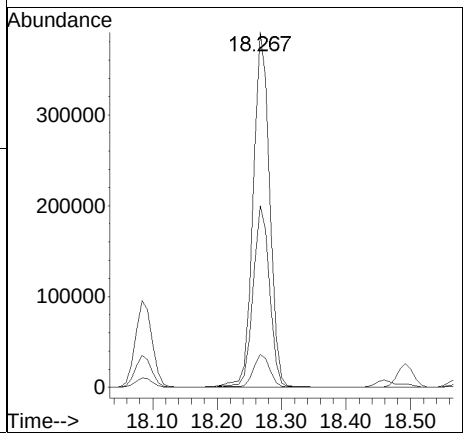


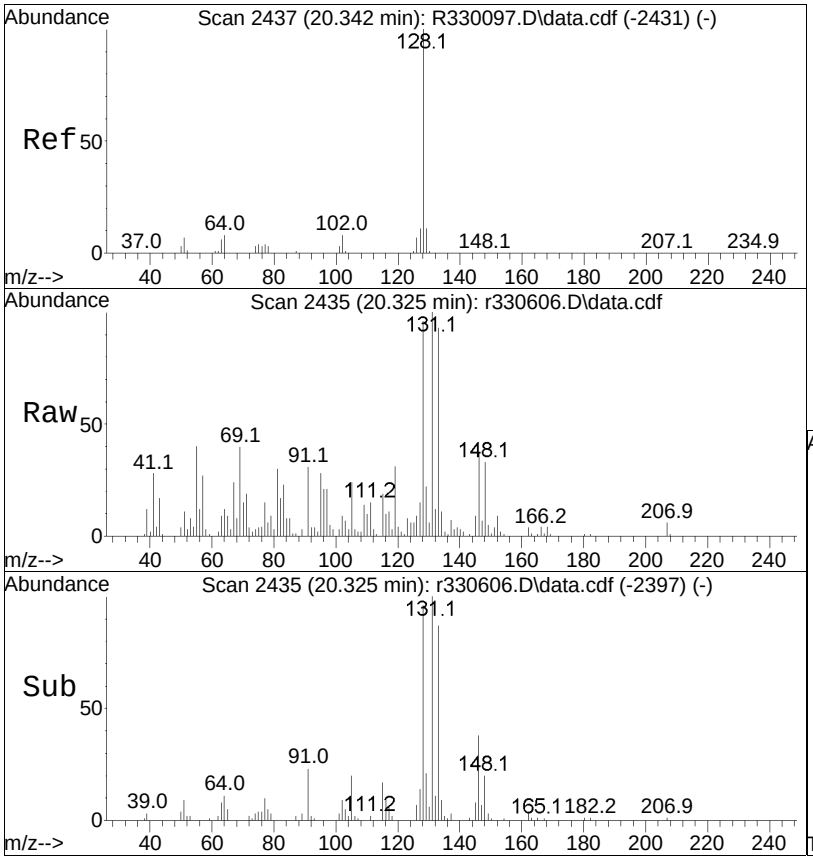


#99
1,2,4-trimethylbenzene
Concen: 4.75 ppbV
RT: 18.267 min Scan# 2190
Delta R.T. -0.017 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion:105 Resp: 739697

Ion	Ratio	Lower	Upper
105	100		
120	51.2	47.8	71.8
91	9.3	53.4	80.0#

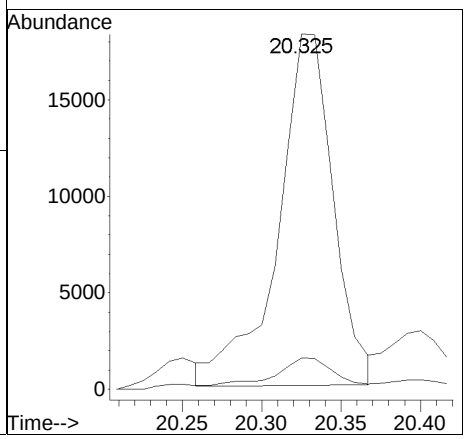




#116
naphthalene
Concen: 0.22 ppbV
RT: 20.325 min Scan# 2435
Delta R.T. -0.017 min
Lab File: r330606.D
Acq: 25 Apr 2024 5:12 AM

Tgt Ion:128 Resp: 44507

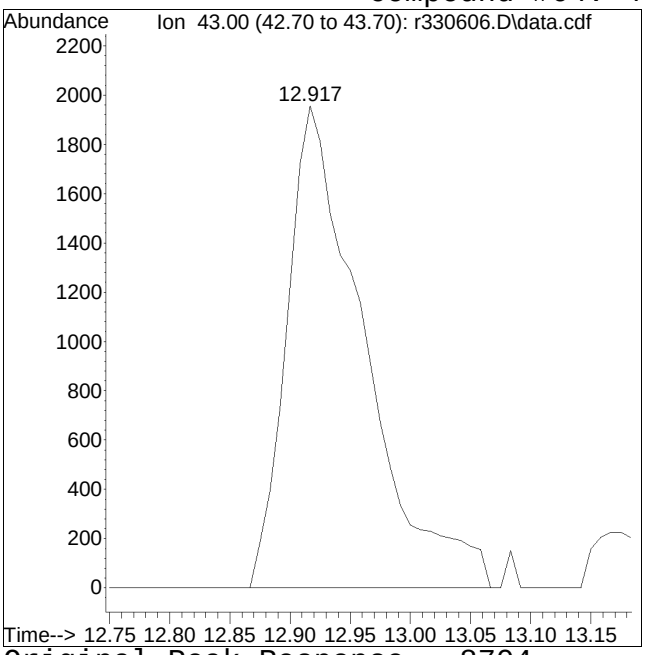
Ion	Ratio	Lower	Upper
128	100		
102	8.9	6.3	9.5



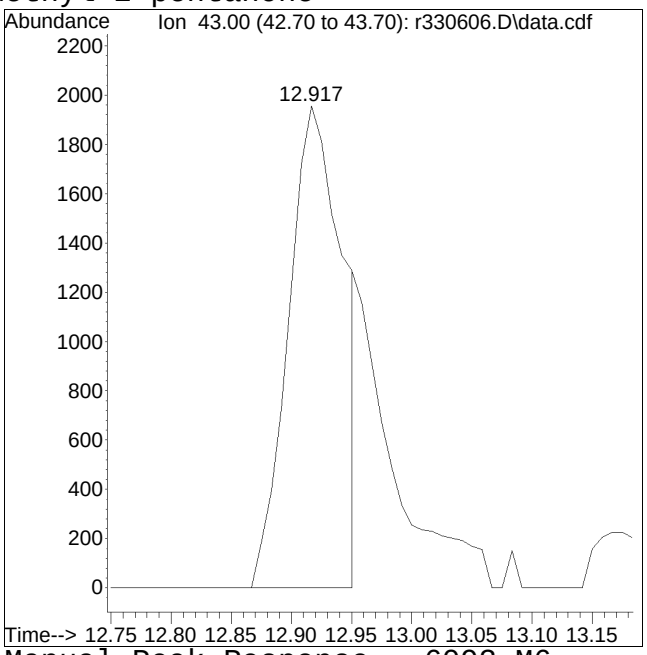
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : r330606.D Operator : AIRPIANO3:KJD
Date Inj'd : 4/25/2020 0:5: 2 Instrument :
Sample : L2419731-13,3,250,250 Quant Date : 4/25/2024 7:38 am

Compound #64: 4-methyl-2-pentanone



Original Peak Response = 8704



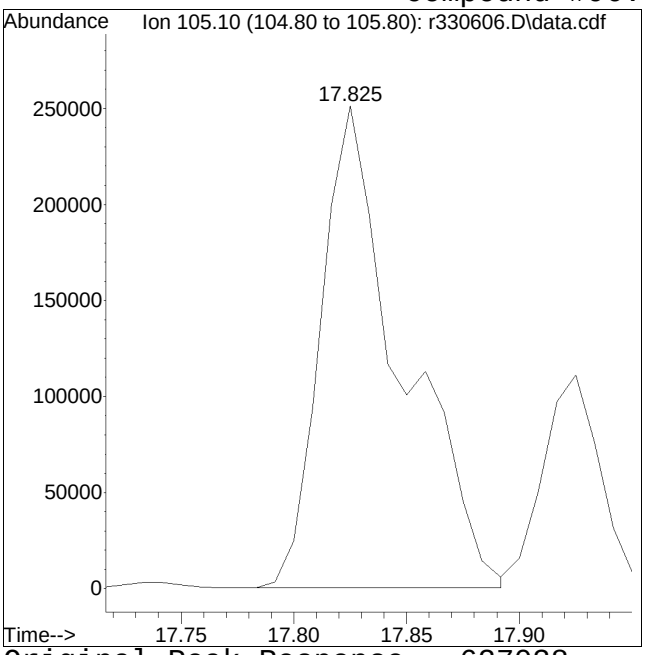
Manual Peak Response = 6093 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

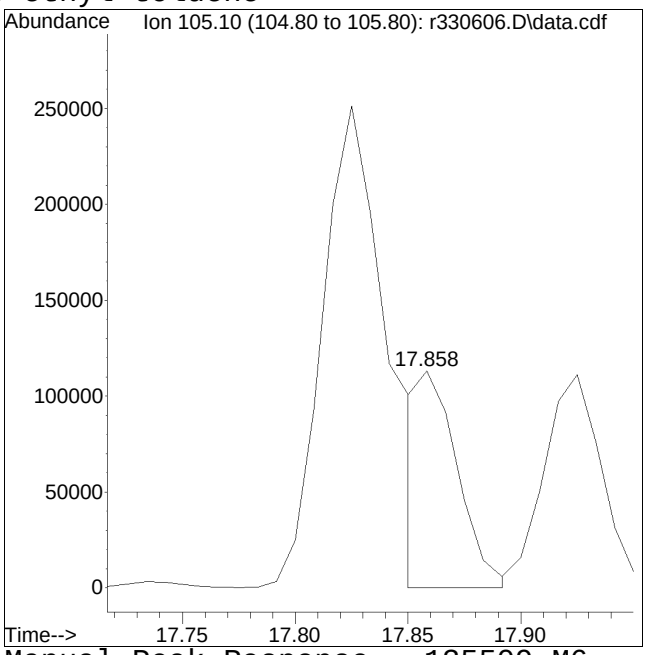
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : r330606.D Operator : AIRPIANO3:KJD
Date Inj'd : 4/25/2020 0:5: 2 Instrument :
Sample : L2419731-13,3,250,250 Quant Date : 4/25/2024 7:38 am

Compound #96: 4-ethyl toluene



Original Peak Response = 627038



Manual Peak Response = 135509 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330607.D
Acq On : 25 Apr 2024 5:48 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-14D,3,18.1,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:38:52 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.792	49	360075	10.000	ppbV	-0.03
Standard Area = 349686			Recovery = 102.97%			
43) 1,4-difluorobenzene	11.027	114	1224431	10.000	ppbV	-0.03
Standard Area = 1160525			Recovery = 105.51%			
67) chlorobenzene-D5	15.800	54	173121	10.000	ppbV	-0.02
Standard Area = 168249			Recovery = 102.90%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.780	85	1368	0.035	ppbV	95
6) chloromethane	0.000		0	N.D.	d	
7) Freon-114	0.000		0	N.D.		
9) vinyl chloride	4.152	62	53021	2.433	ppbV	100
10) 1,3-butadiene	0.000		0	N.D.	d	
13) bromomethane	0.000		0	N.D.		
14) chloroethane	4.740	64	3081	0.274	ppbV	94
15) ethanol	4.884	31	21747	1.766	ppbV #	81
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.380	43	416017	10.616	ppbV #	82
21) trichlorofluoromethane	5.553		0	N.D.		
22) isopropyl alcohol	5.677	45	16781	0.321	ppbV #	95
26) 1,1-dichloroethene	6.250	61	29949	0.825	ppbV	97
27) tertiary butyl alcohol	0.000		0	N.D.	d	
28) methylene chloride	6.388	49	1299	0.045	ppbV	95
29) 3-chloropropene	0.000		0	N.D.		
30) carbon disulfide	0.000		0	N.D.	d	
31) Freon 113	6.688	101	40222	0.853	ppbV	97
32) trans-1,2-dichloroethene	7.433	61	65136	1.632	ppbV	100
33) 1,1-dichloroethane	7.658	63	88071	1.690	ppbV	99
34) MTBE	0.000		0	N.D.		
36) 2-butanone	8.150	43	8553	0.128	ppbV #	94
37) cis-1,2-dichloroethene	8.608	61	2841030	76.976	ppbV	94
38) Ethyl Acetate	0.000		0	N.D.		
39) chloroform	8.950	83	50628	1.141	ppbV	97
40) Tetrahydrofuran	9.442	42	5675	0.131	ppbV	96
42) 1,2-dichloroethane	0.000		0	N.D.	d	
44) hexane	8.867	57	14360	0.313	ppbV #	1

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330607.D
Acq On : 25 Apr 2024 5:48 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-14D,3,18.1,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:38:52 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,1-trichloroethane	10.067	97	583113	15.818	ppbV	96
50) benzene	10.600	78	3521	0.034	ppbV #	87
52) carbon tetrachloride	0.000		0	N.D.		
53) cyclohexane	10.920	56	2858	0.059	ppbV #	82
56) 1,2-dichloropropane	0.000		0	N.D.		
57) bromodichloromethane	0.000		0	N.D.	d	
58) 1,4-dioxane	0.000		0	N.D.		
59) trichloroethene	11.833	130	44382	1.227	ppbV	98
60) 2,2,4-trimethylpentane	0.000		0	N.D.	d	
62) heptane	12.207		0	N.D.		
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	0.000		0	N.D.	d	
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	14.017	91	5271	0.043	ppbV	97
72) 2-hexanone	0.000		0	N.D.	d	
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
78) tetrachloroethene	15.192	166	65165	1.175	ppbV	96
80) chlorobenzene	0.000		0	N.D.	d	
81) ethylbenzene	16.208		0	N.D.		
83) m+p-xylene	16.358	91	7817	0.063	ppbV	92
84) bromoform	0.000		0	N.D.		
85) styrene	0.000		0	N.D.		
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	d	
87) o-xylene	16.792		0	N.D.		
96) 4-ethyl toluene	17.867		0	N.D.		
97) 1,3,5-trimethylbenzene	17.925		0	N.D.		
99) 1,2,4-trimethylbenzene	18.275	105	11720	0.077	ppbV #	56
101) Benzyl Chloride	18.467		0	N.D.		
102) 1,3-dichlorobenzene	0.000		0	N.D.		
103) 1,4-dichlorobenzene	0.000		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.358		0	N.D.		
119) hexachlorobutadiene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330607.D
Acq On : 25 Apr 2024 5:48 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-14D,3,18.1,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:38:52 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

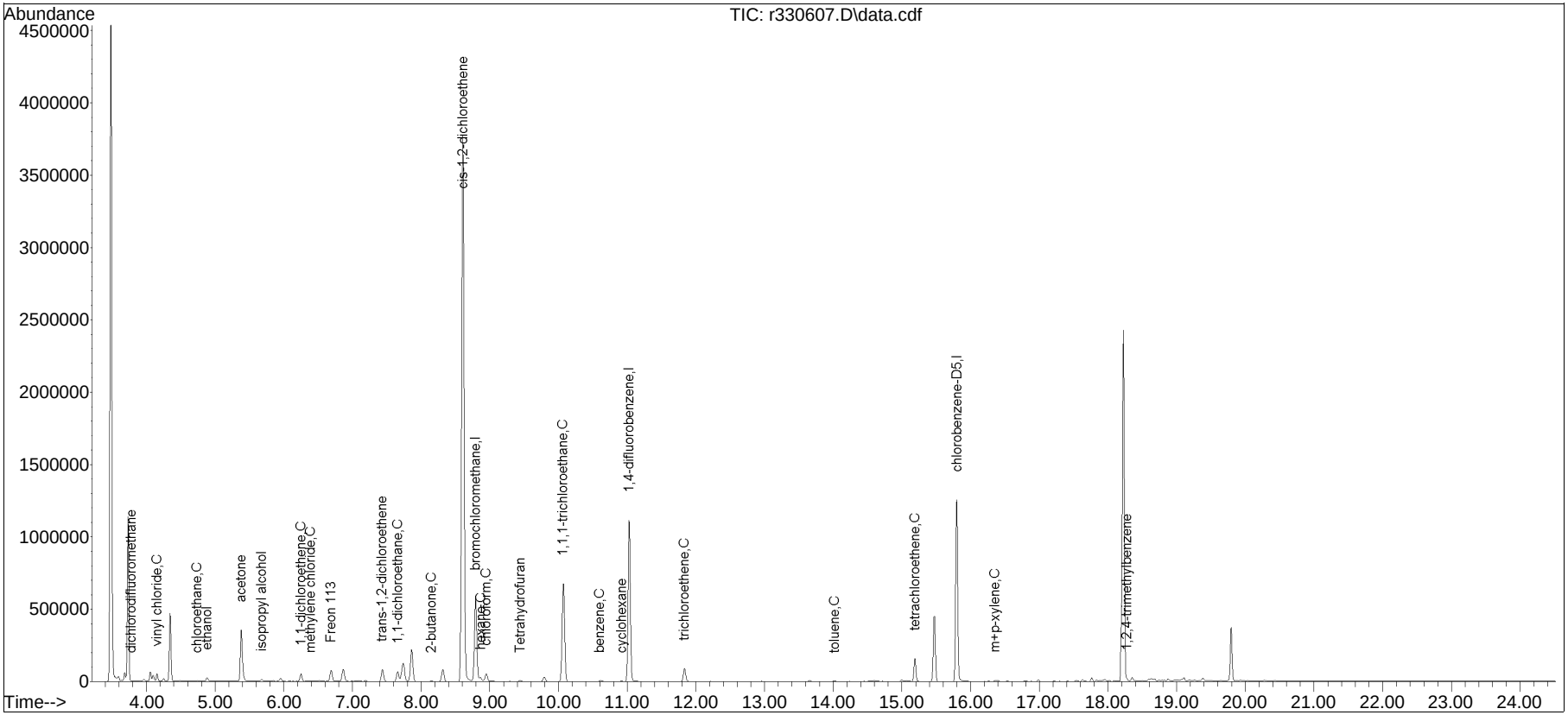
CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : TO15-NY+Naphthalene - .

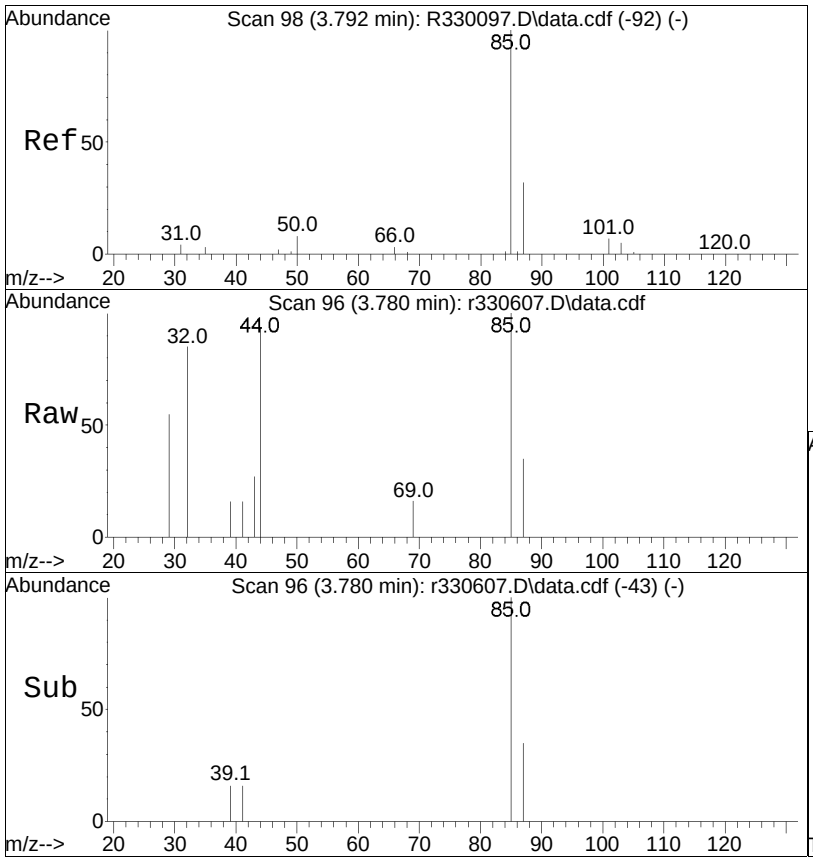
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : TO15-NY+Naphthalene - .ano3\2024\04\0424T\r330584.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330607.D
Acq On : 25 Apr 2024 5:48 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-14D,3,18.1,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:38:52 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

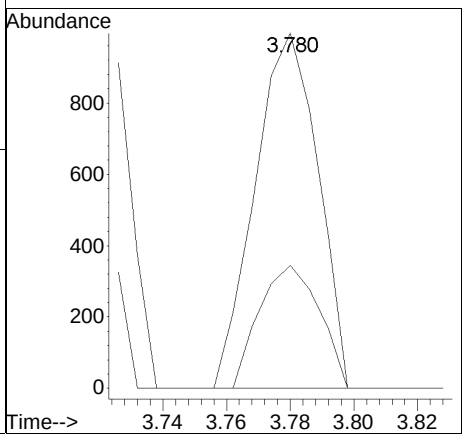


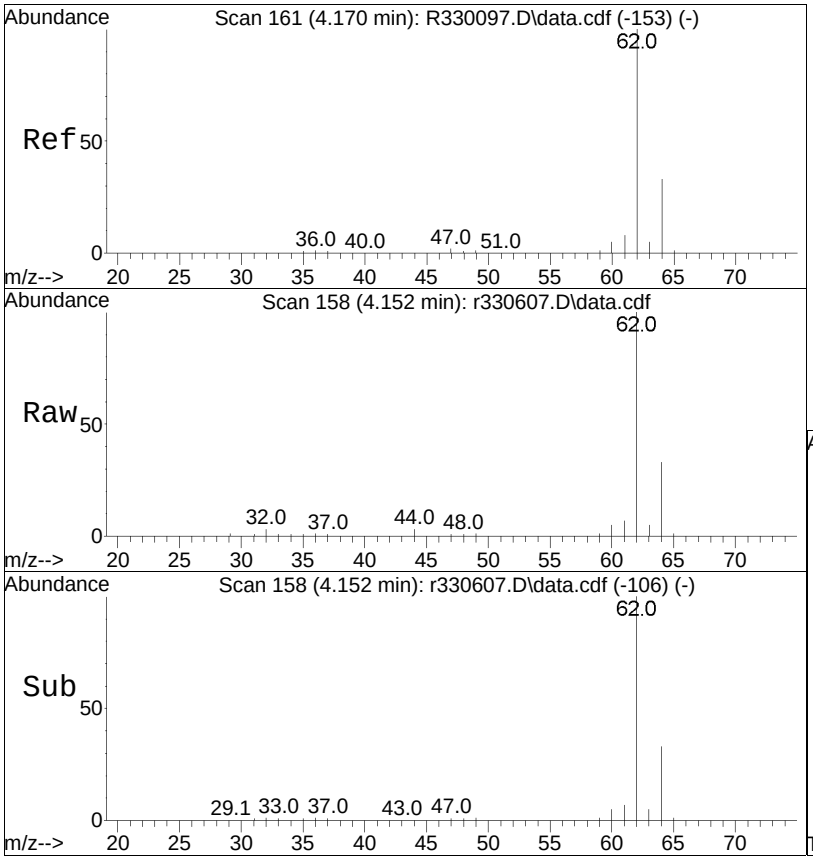


#5
dichlorodifluoromethane
Concen: 0.03 ppbV
RT: 3.780 min Scan# 96
Delta R.T. -0.012 min
Lab File: r330607.D
Acq: 25 Apr 2024 5:48 AM

Tgt Ion: 85 Resp: 1368

Ion	Ratio	Lower	Upper
85	100		
87	34.6	25.4	38.2

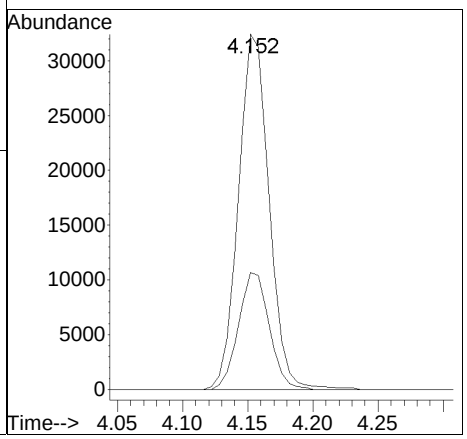


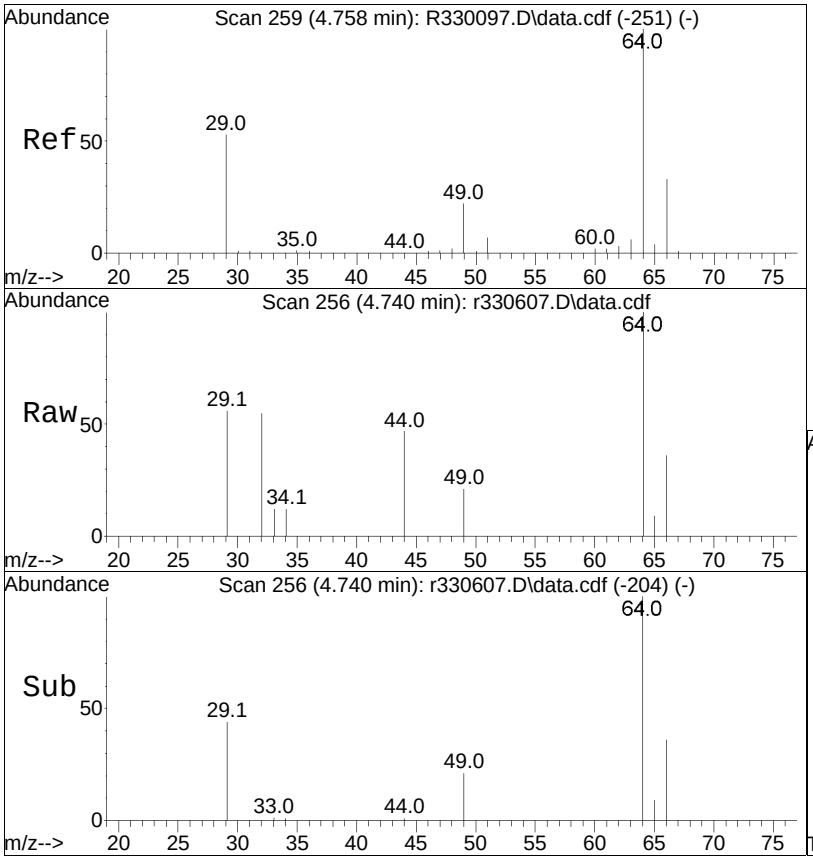


#9
vinyl chloride
Concen: 2.43 ppbV
RT: 4.152 min Scan# 158
Delta R.T. -0.018 min
Lab File: r330607.D
Acq: 25 Apr 2024 5:48 AM

Tgt Ion: 62 Resp: 53021

Ion	Ratio	Lower	Upper
62	100		
64	32.9	26.4	39.6

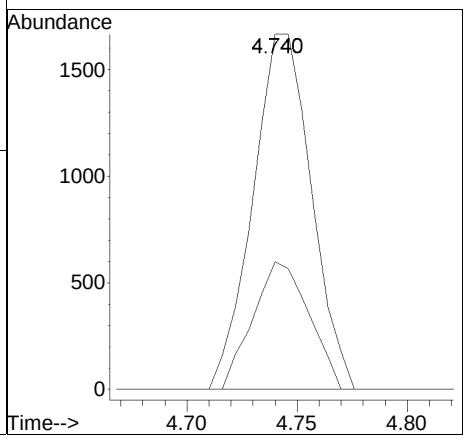


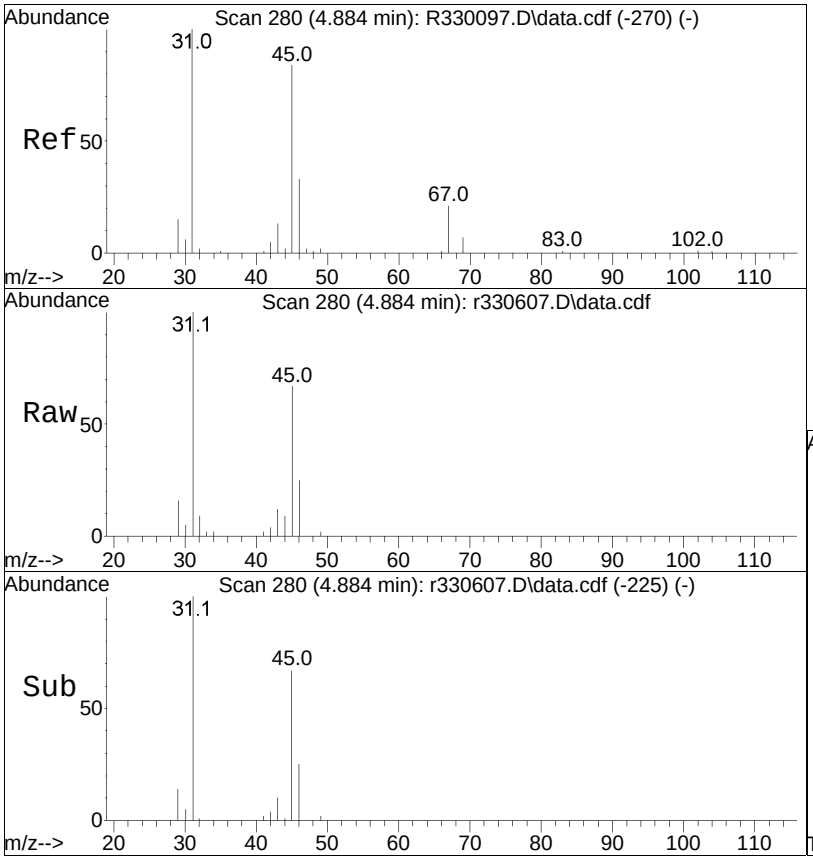


#14
chloroethane
Concen: 0.27 ppbV
RT: 4.740 min Scan# 256
Delta R.T. -0.018 min
Lab File: r330607.D
Acq: 25 Apr 2024 5:48 AM

Tgt Ion: 64 Resp: 3081

Ion	Ratio	Lower	Upper
64	100		
66	35.9	26.2	39.2

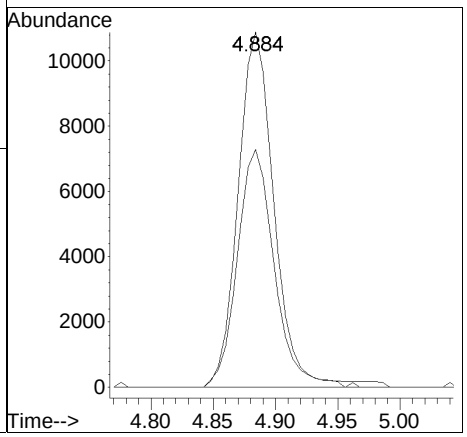


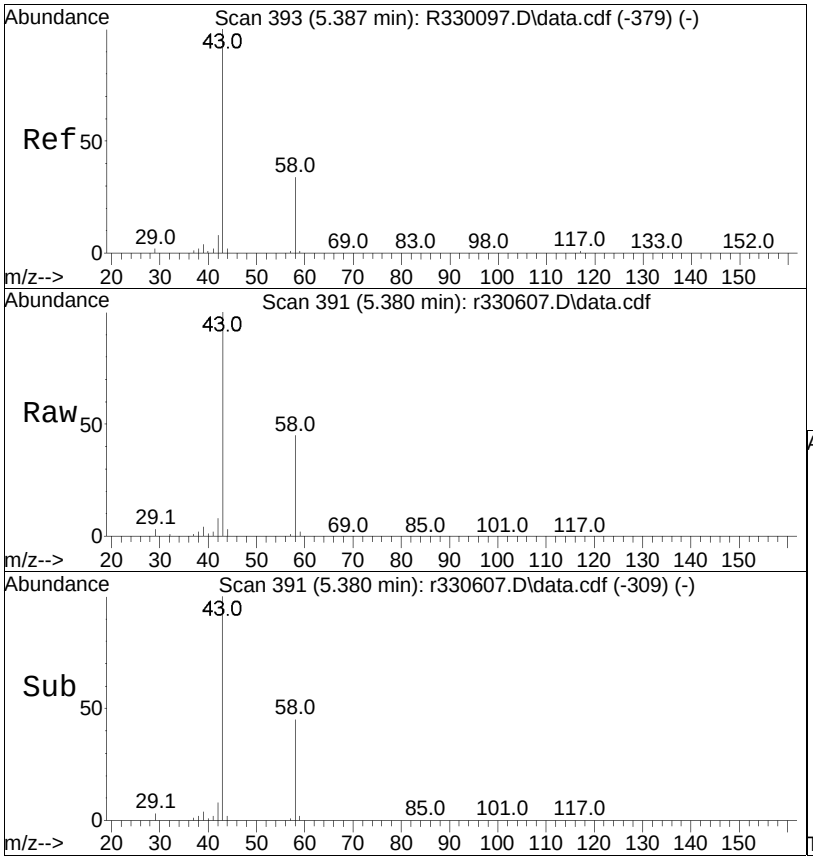


#15
ethanol
Concen: 1.77 ppbV
RT: 4.884 min Scan# 280
Delta R.T. 0.000 min
Lab File: r330607.D
Acq: 25 Apr 2024 5:48 AM

Tgt Ion: 31 Resp: 21747

Ion	Ratio	Lower	Upper
31	100		
45	67.0	67.5	101.3#

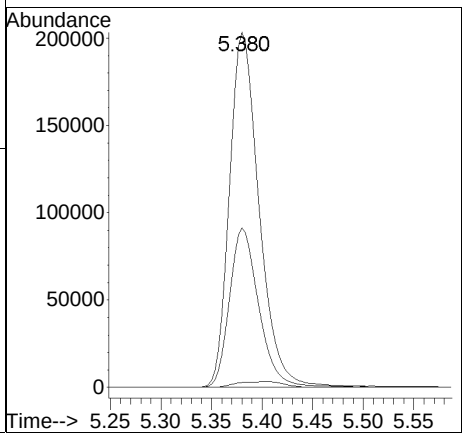


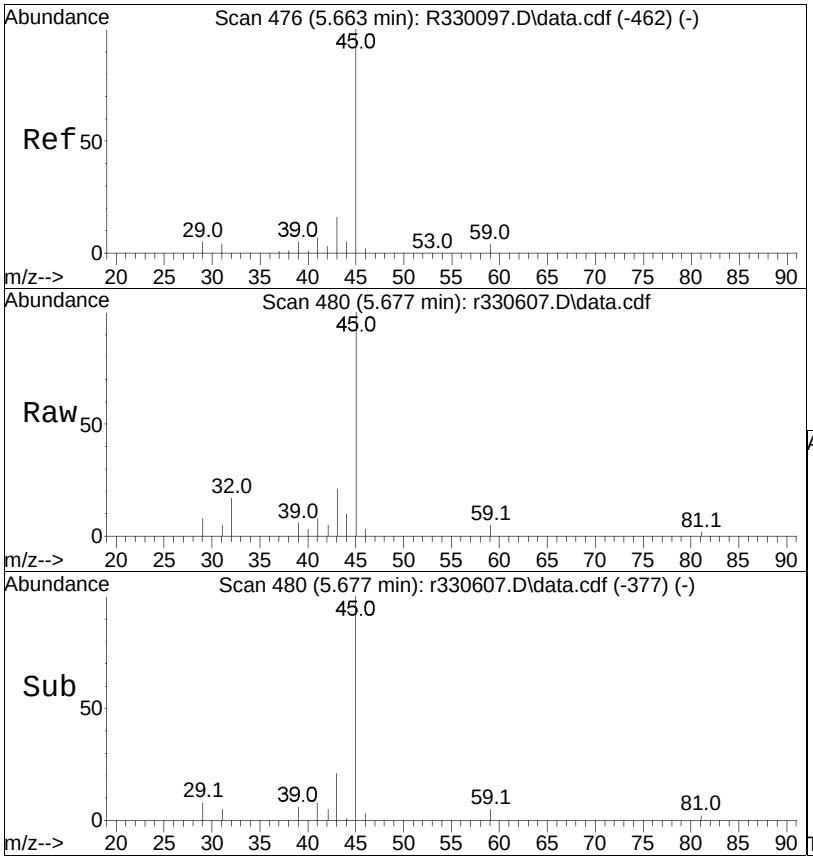


#19
acetone
Concen: 10.62 ppbV
RT: 5.380 min Scan# 391
Delta R.T. -0.007 min
Lab File: r330607.D
Acq: 25 Apr 2024 5:48 AM

Tgt Ion: 43 Resp: 416017

Ion	Ratio	Lower	Upper
43	100		
58	44.9	27.3	40.9#
57	1.4	0.8	1.2#

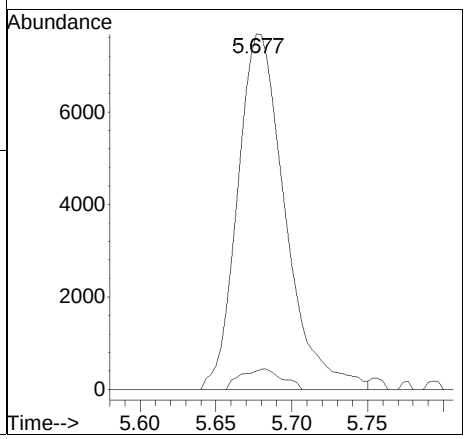


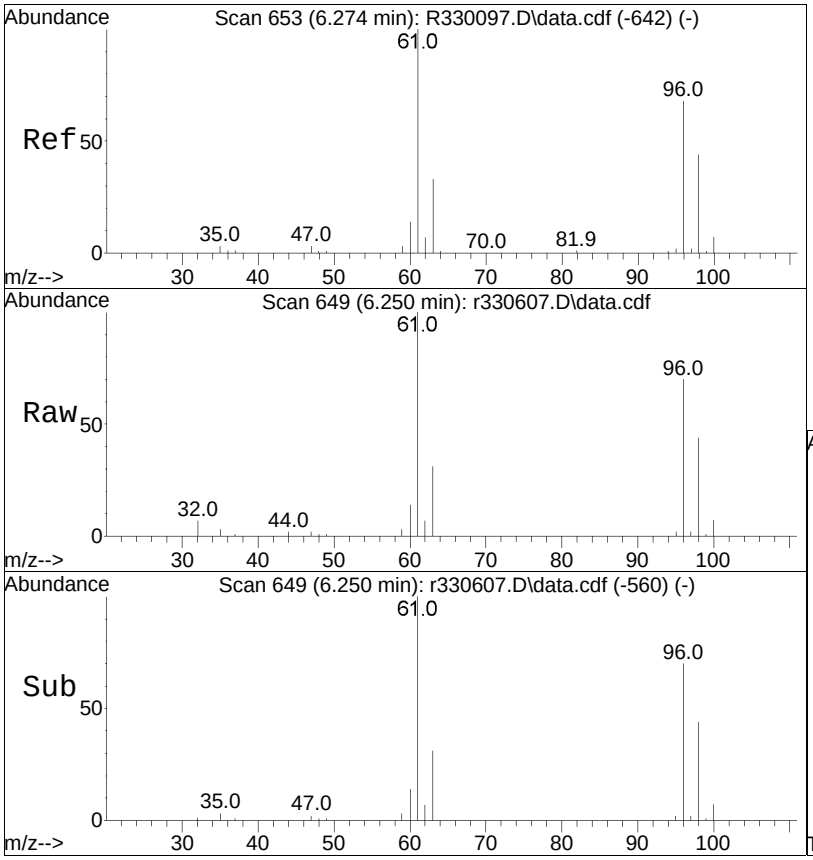


#22
isopropyl alcohol
Concen: 0.32 ppbV
RT: 5.677 min Scan# 480
Delta R.T. 0.014 min
Lab File: r330607.D
Acq: 25 Apr 2024 5:48 AM

Tgt Ion: 45 Resp: 16781

Ion	Ratio	Lower	Upper
45	100		
59	5.2	3.0	4.4#

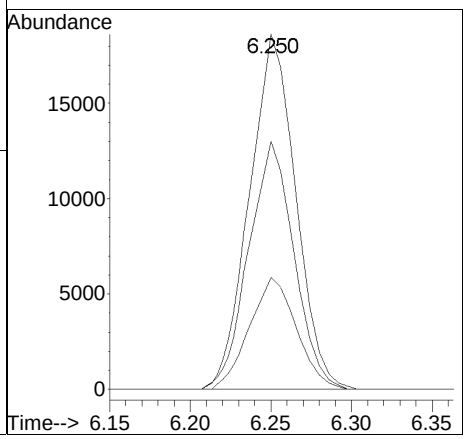


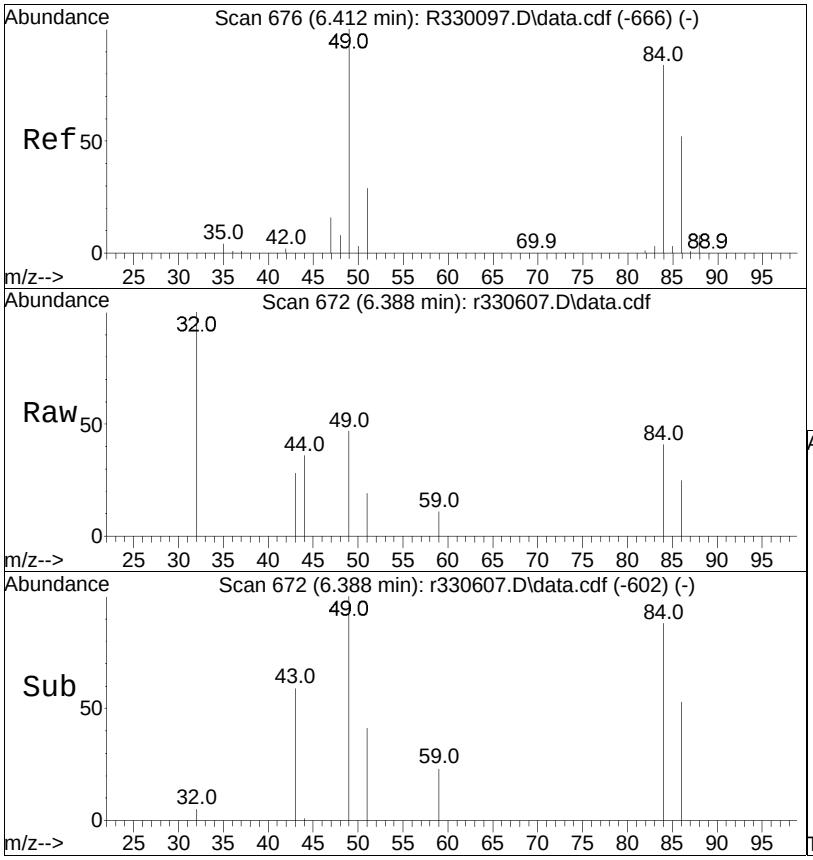


#26
1,1-dichloroethene
Concen: 0.82 ppbV
RT: 6.250 min Scan# 649
Delta R.T. -0.024 min
Lab File: r330607.D
Acq: 25 Apr 2024 5:48 AM

Tgt Ion: 61 Resp: 29949

Ion	Ratio	Lower	Upper
61	100		
96	69.9	54.2	81.2
63	31.4	26.5	39.7

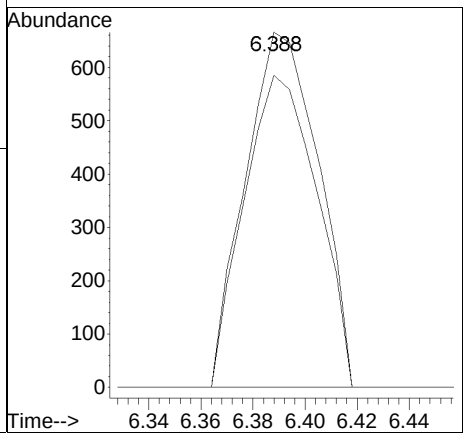


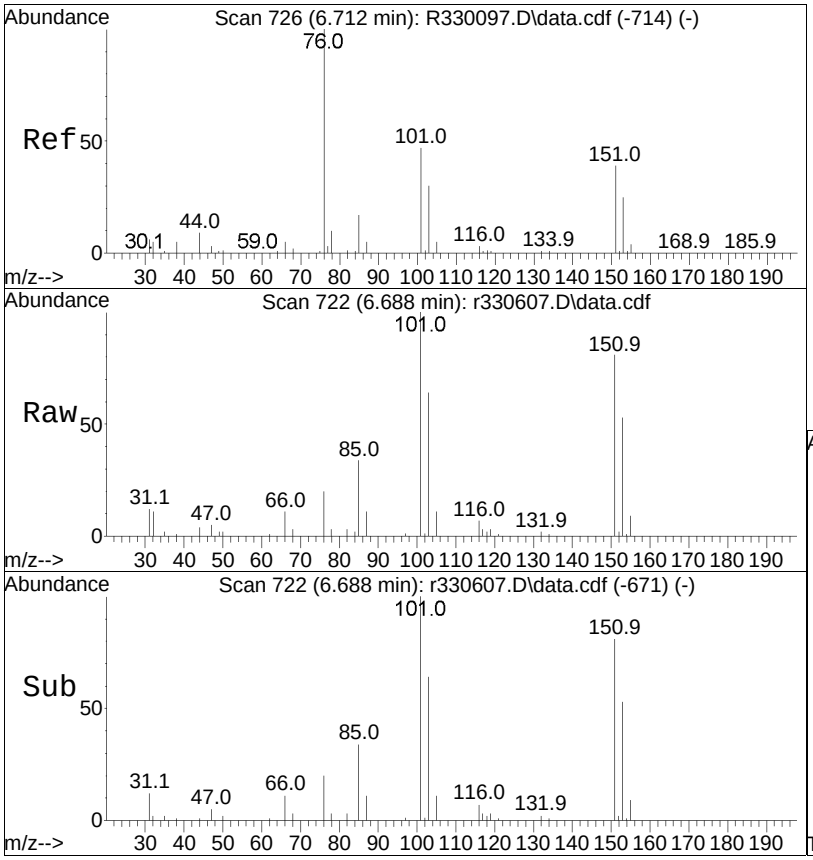


#28
methylene chloride
Concen: 0.05 ppbV
RT: 6.388 min Scan# 672
Delta R.T. -0.024 min
Lab File: r330607.D
Acq: 25 Apr 2024 5:48 AM

Tgt Ion: 49 Resp: 1299

Ion	Ratio	Lower	Upper
49	100		
84	87.8	67.0	100.4

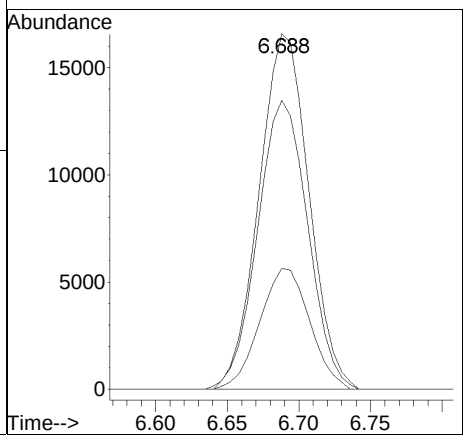


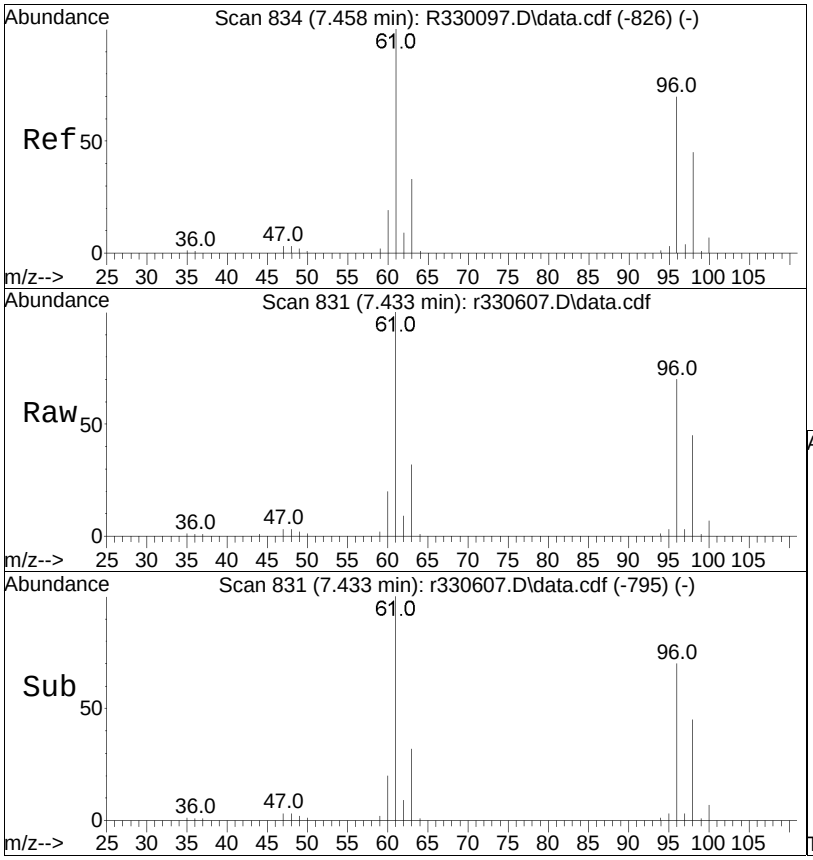


#31
Freon 113
Concen: 0.85 ppbV
RT: 6.688 min Scan# 722
Delta R.T. -0.024 min
Lab File: r330607.D
Acq: 25 Apr 2024 5:48 AM

Tgt Ion:101 Resp: 40222

Ion	Ratio	Lower	Upper
101	100		
85	34.1	28.5	42.7
151	81.4	66.9	100.3

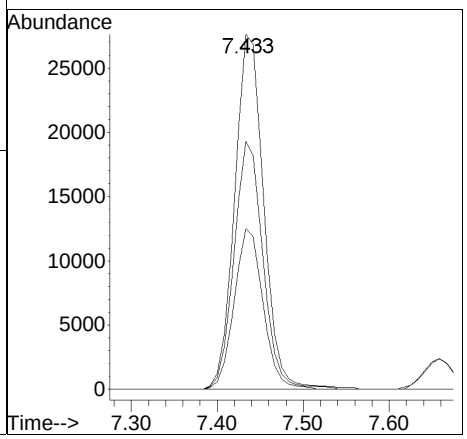


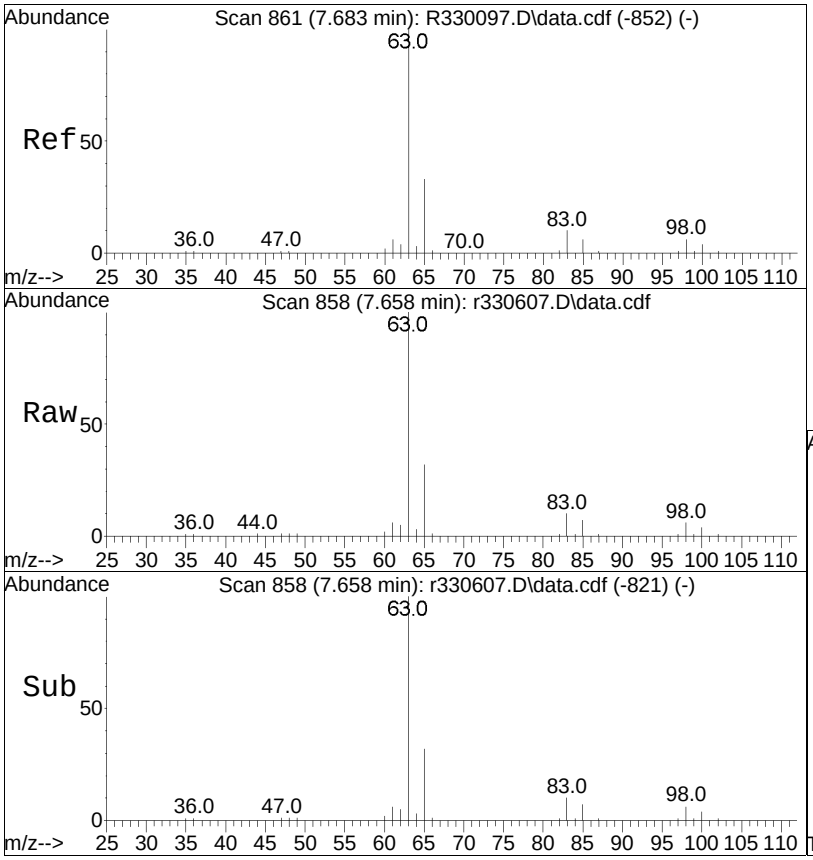


#32
trans-1,2-dichloroethene
Concen: 1.63 ppbV
RT: 7.433 min Scan# 831
Delta R.T. -0.025 min
Lab File: r330607.D
Acq: 25 Apr 2024 5:48 AM

Tgt Ion: 61 Resp: 65136

Ion	Ratio	Lower	Upper
61	100		
96	69.9	55.8	83.8
98	45.3	36.4	54.6

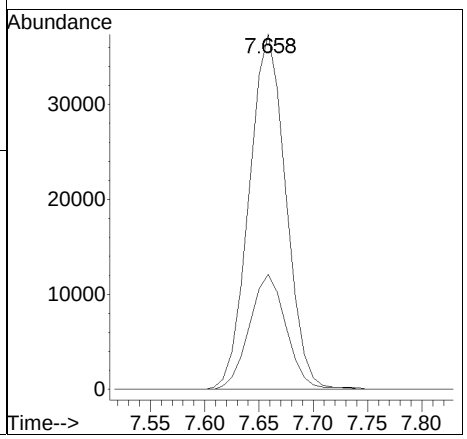


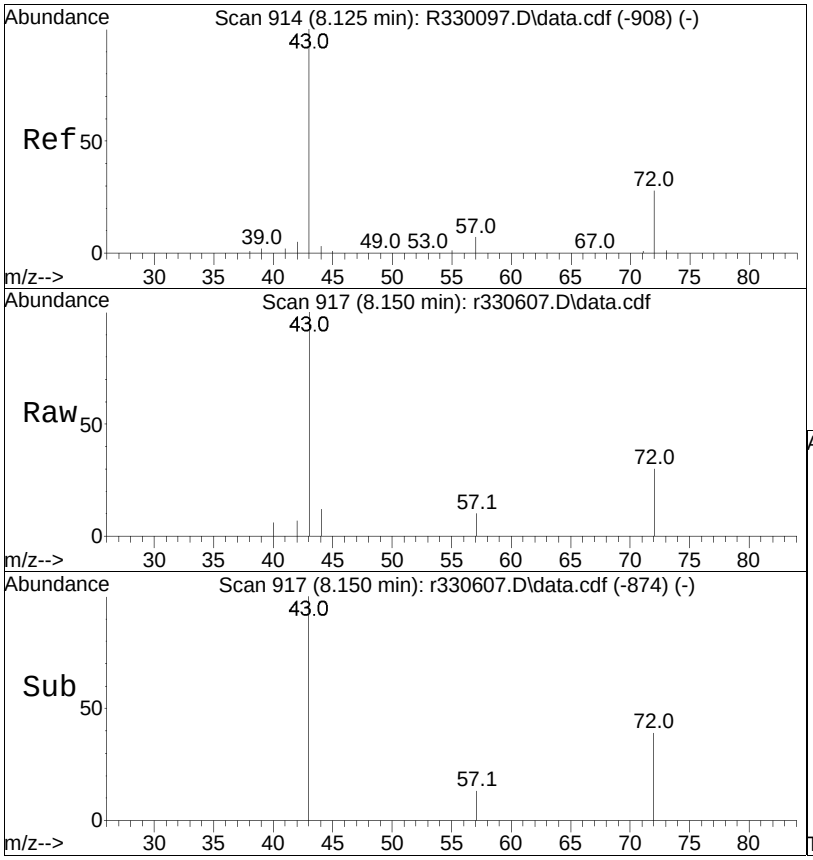


#33
1,1-dichloroethane
Concen: 1.69 ppbV
RT: 7.658 min Scan# 858
Delta R.T. -0.025 min
Lab File: r330607.D
Acq: 25 Apr 2024 5:48 AM

Tgt Ion: 63 Resp: 88071

Ion	Ratio	Lower	Upper
63	100		
65	32.3	26.2	39.4

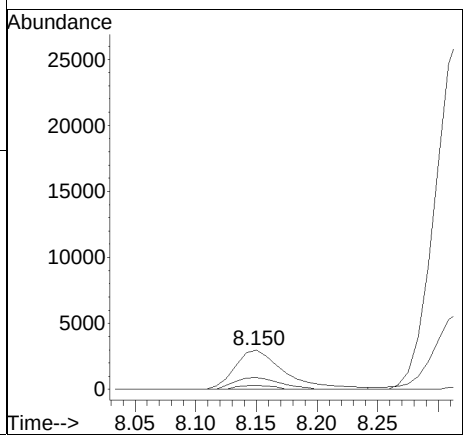


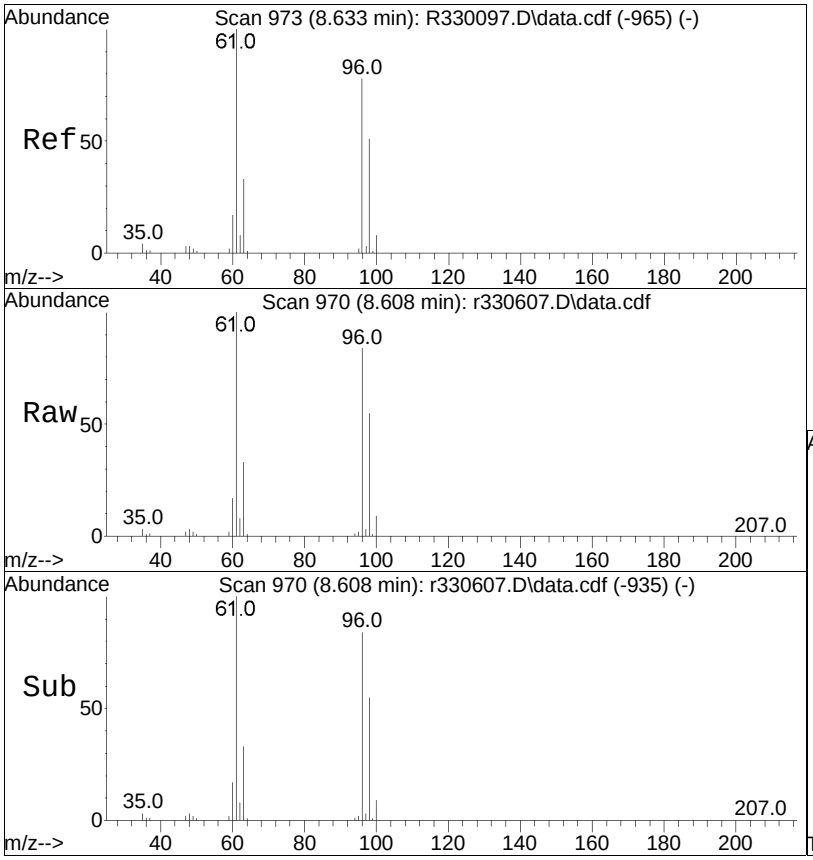


#36
2-butanone
Concen: 0.13 ppbV
RT: 8.150 min Scan# 917
Delta R.T. 0.025 min
Lab File: r330607.D
Acq: 25 Apr 2024 5:48 AM

Tgt Ion: 43 Resp: 8553

Ion	Ratio	Lower	Upper
43	100		
72	30.1	22.1	33.1
57	10.2	5.3	7.9#

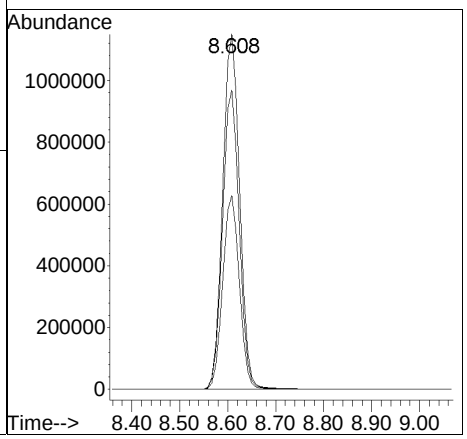


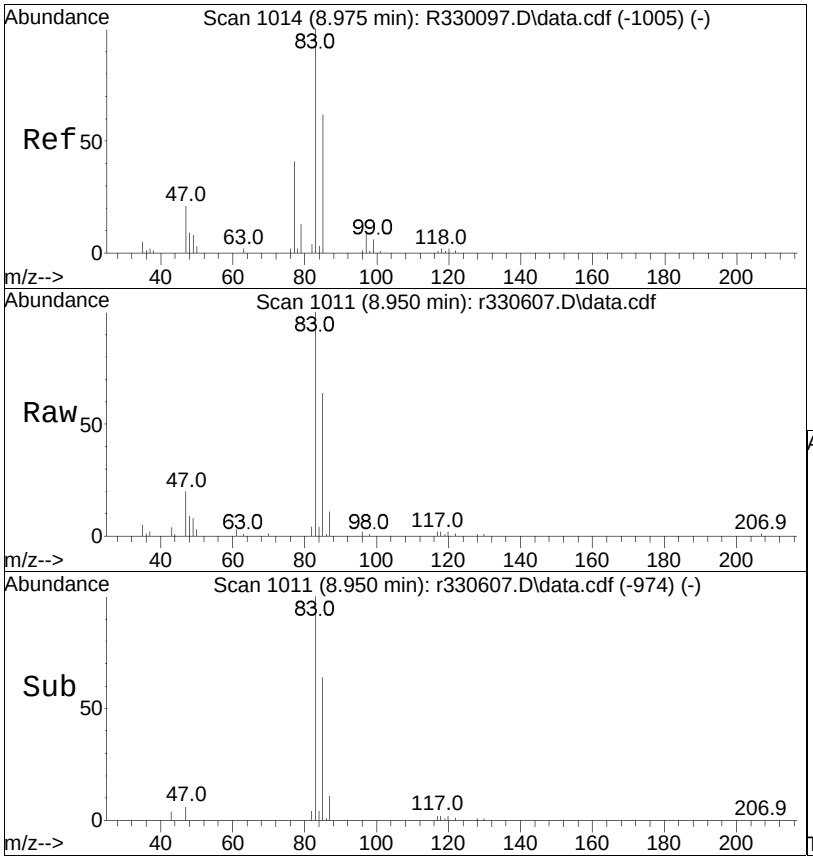


#37
cis-1,2-dichloroethene
Concen: 76.98 ppbV
RT: 8.608 min Scan# 970
Delta R.T. -0.025 min
Lab File: r330607.D
Acq: 25 Apr 2024 5:48 AM

Tgt Ion: 61 Resp: 2841030

Ion	Ratio	Lower	Upper
61	100		
96	84.2	62.6	94.0
98	54.6	40.7	61.1

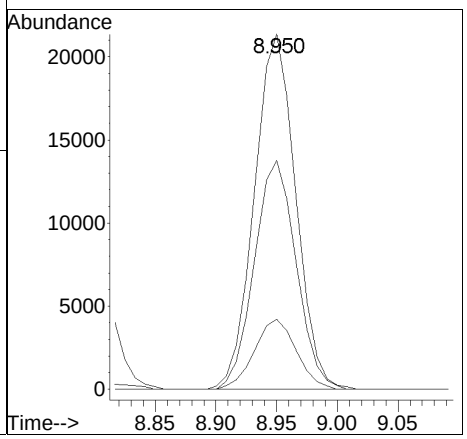


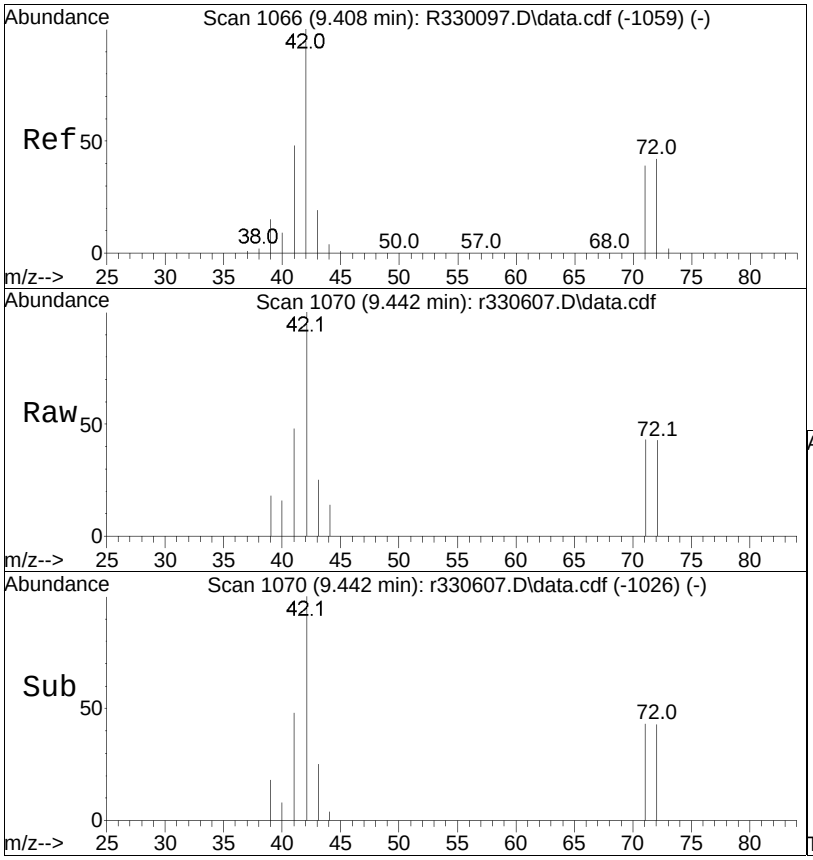


#39
chloroform
Concen: 1.14 ppbV
RT: 8.950 min Scan# 1011
Delta R.T. -0.025 min
Lab File: r330607.D
Acq: 25 Apr 2024 5:48 AM

Tgt Ion: 83 Resp: 50628

Ion	Ratio	Lower	Upper
83	100		
85	64.5	49.8	74.8
47	19.8	16.8	25.2

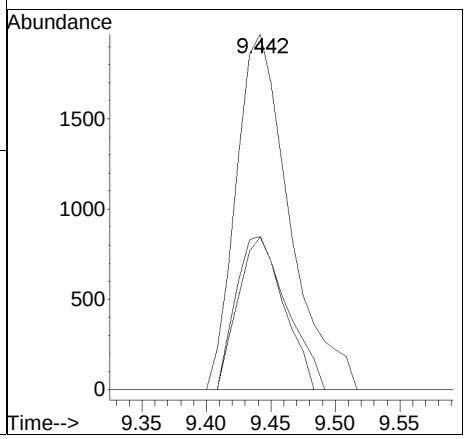


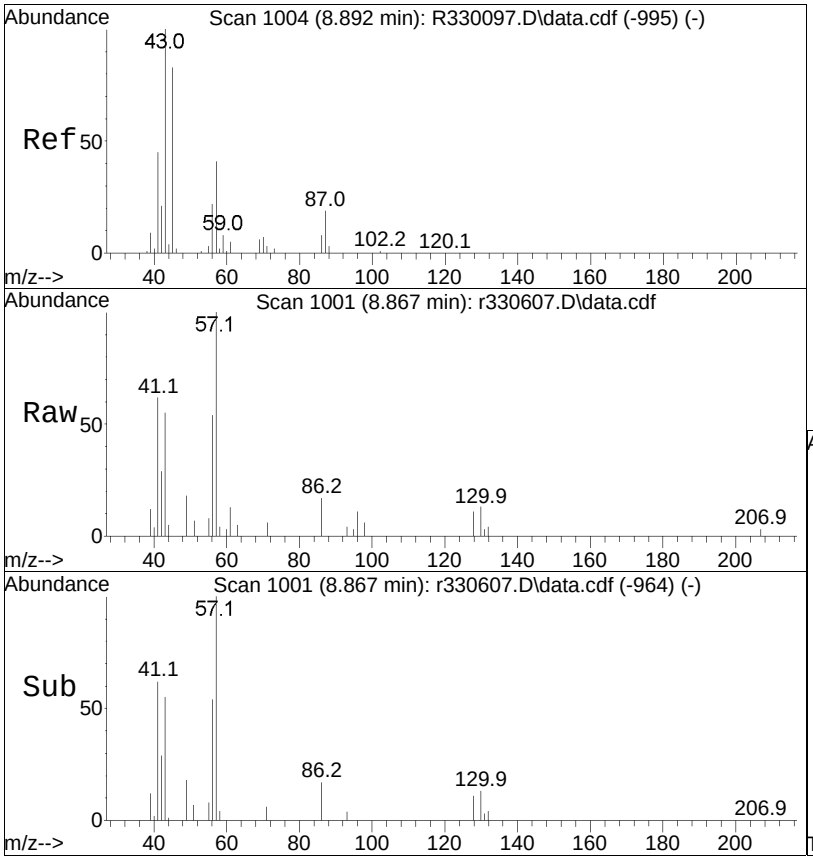


#40
Tetrahydrofuran
Concen: 0.13 ppbV
RT: 9.442 min Scan# 1070
Delta R.T. 0.033 min
Lab File: r330607.D
Acq: 25 Apr 2024 5:48 AM

Tgt Ion: 42 Resp: 5675

Ion	Ratio	Lower	Upper
42	100		
71	42.8	31.0	46.4
72	43.1	33.4	50.2

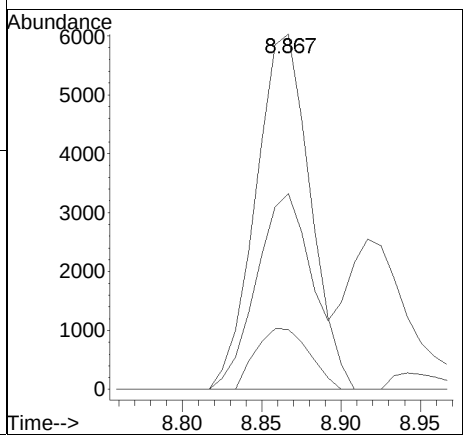


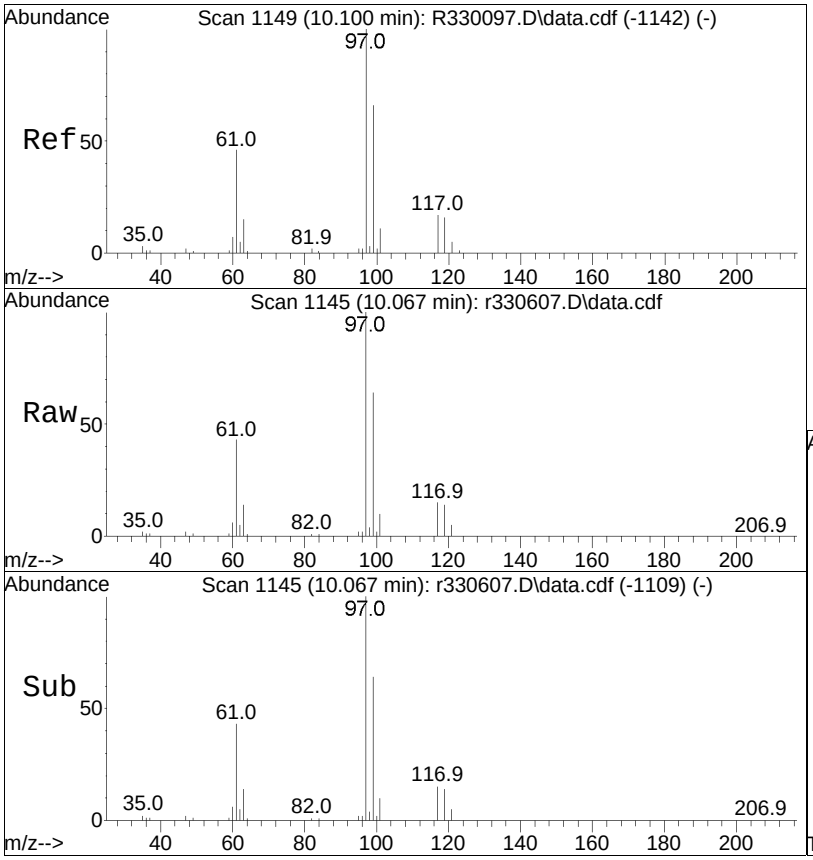


#44
hexane
Concen: 0.31 ppbV
RT: 8.867 min Scan# 1001
Delta R.T. -0.025 min
Lab File: r330607.D
Acq: 25 Apr 2024 5:48 AM

Tgt Ion: 57 Resp: 14360

Ion	Ratio	Lower	Upper
57	100		
43	55.1	196.5	294.7#
86	16.9	15.8	23.6

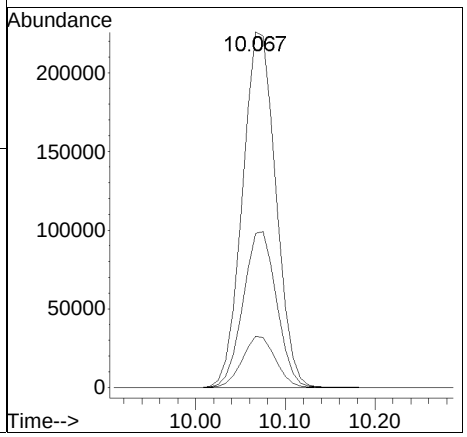


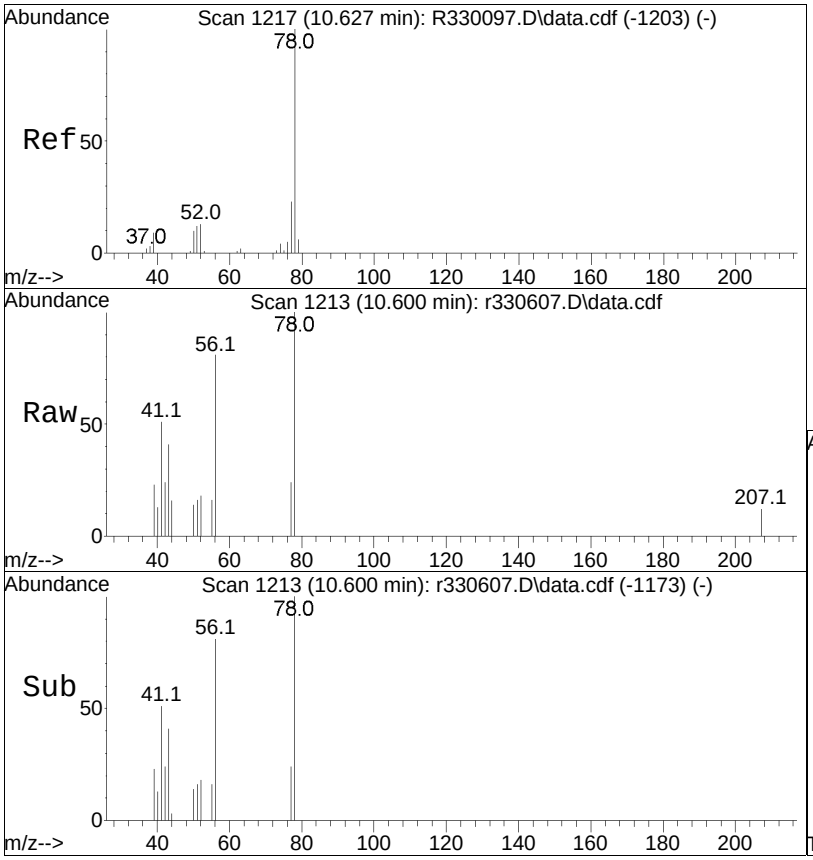


#48
1,1,1-trichloroethane
Concen: 15.82 ppbV
RT: 10.067 min Scan# 1145
Delta R.T. -0.033 min
Lab File: r330607.D
Acq: 25 Apr 2024 5:48 AM

Tgt Ion: 97 Resp: 583113

Ion	Ratio	Lower	Upper
97	100		
61	43.3	36.6	54.8
119	14.4	13.0	19.4

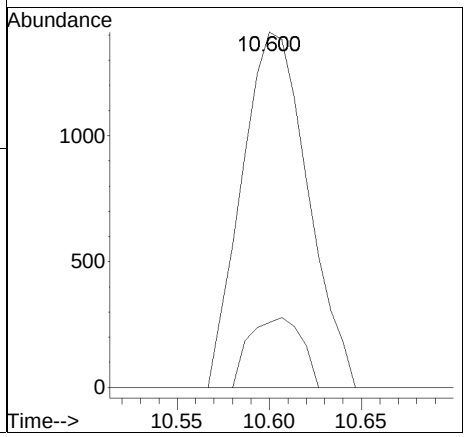


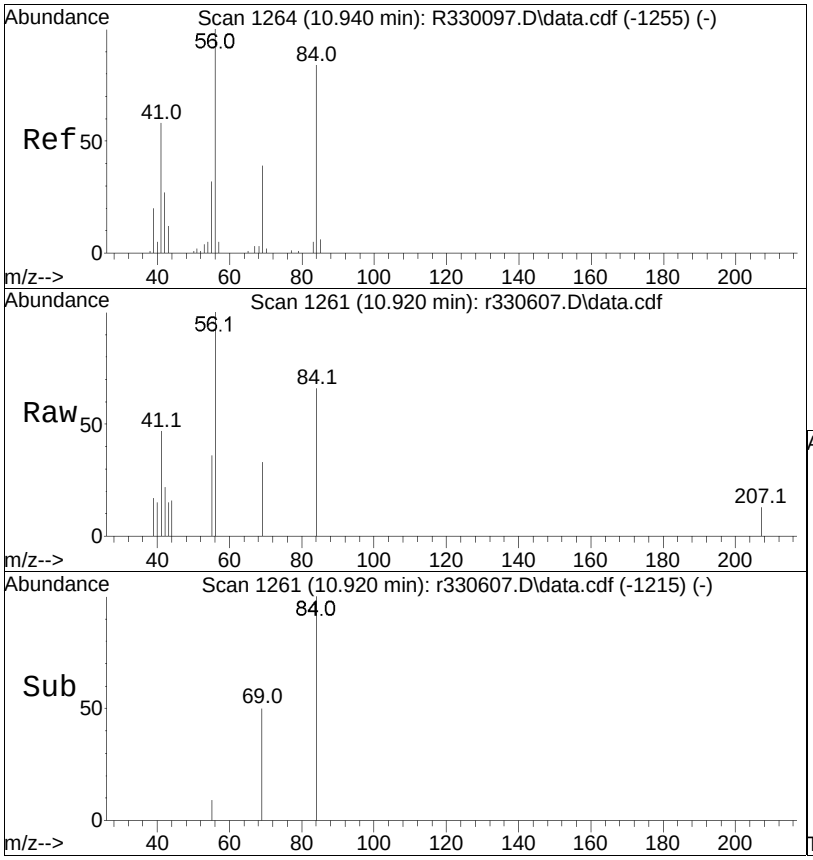


#50
benzene
Concen: 0.03 ppbV
RT: 10.600 min Scan# 1213
Delta R.T. -0.027 min
Lab File: r330607.D
Acq: 25 Apr 2024 5:48 AM

Tgt Ion: 78 Resp: 3521

Ion	Ratio	Lower	Upper
78	100		
52	18.3	10.4	15.6#

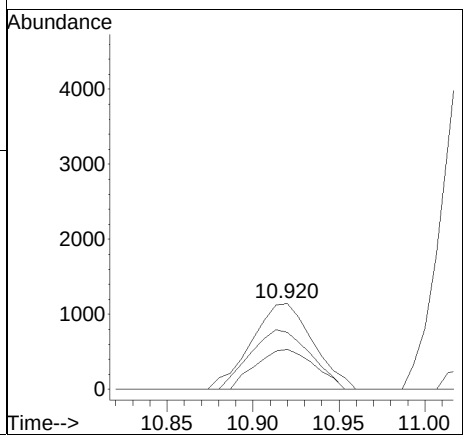


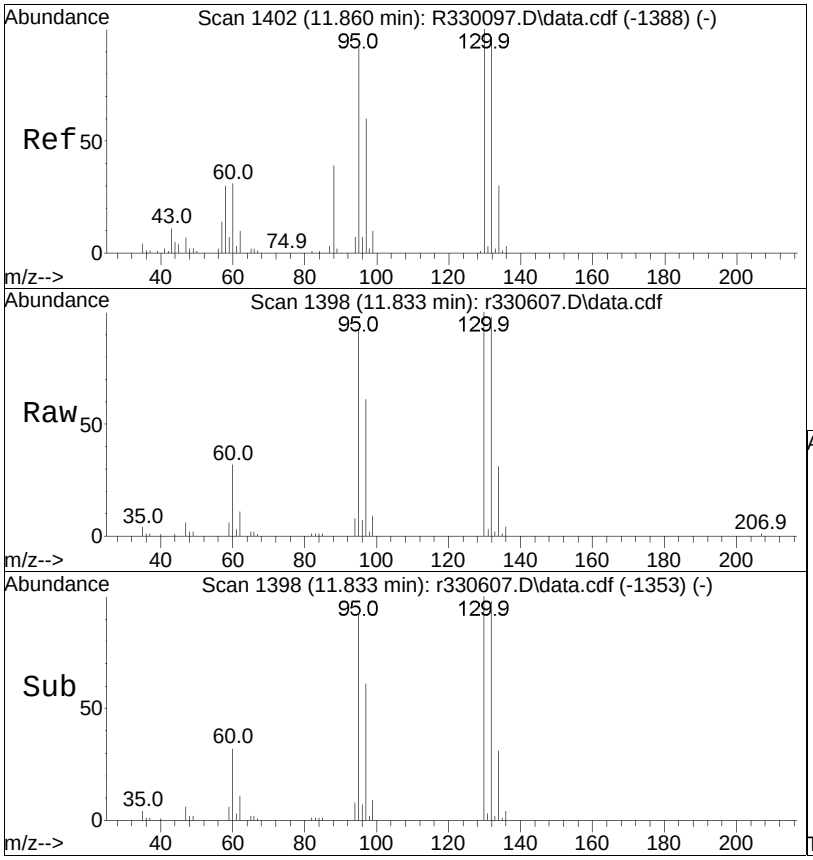


#53
cyclohexane
Concen: 0.06 ppbV
RT: 10.920 min Scan# 1261
Delta R.T. -0.020 min
Lab File: r330607.D
Acq: 25 Apr 2024 5:48 AM

Tgt Ion: 56 Resp: 2858

Ion	Ratio	Lower	Upper
56	100		
84	66.4	67.4	101.2#
41	46.7	46.4	69.6

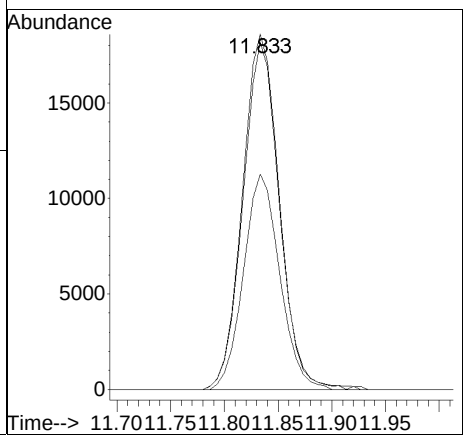


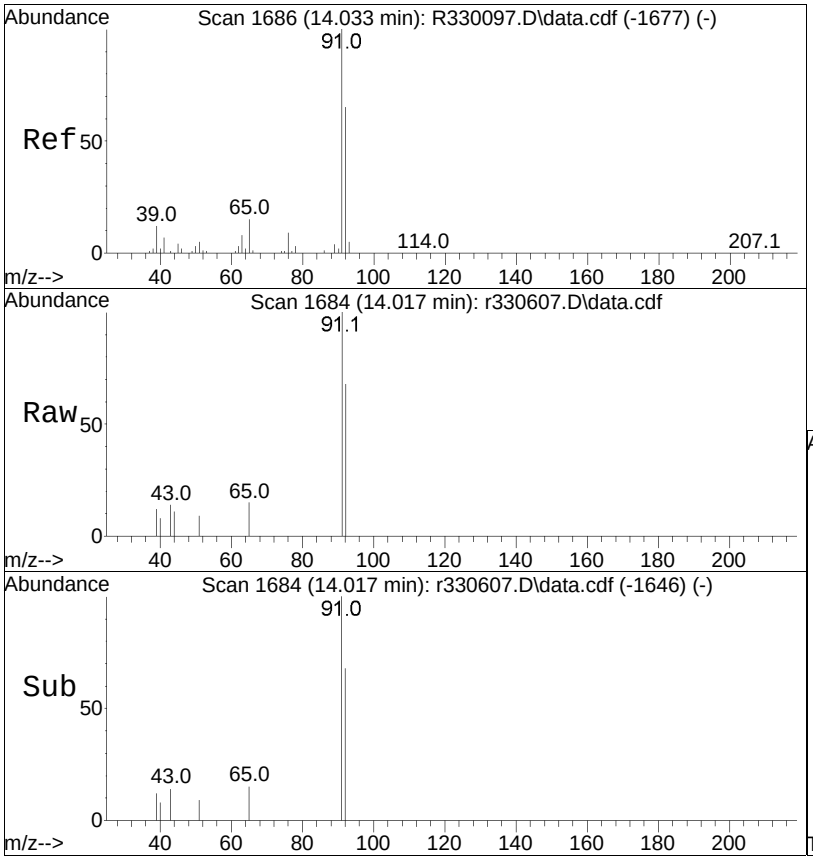


#59
trichloroethene
Concen: 1.23 ppbV
RT: 11.833 min Scan# 1398
Delta R.T. -0.027 min
Lab File: r330607.D
Acq: 25 Apr 2024 5:48 AM

Tgt Ion:130 Resp: 44382

Ion	Ratio	Lower	Upper
130	100		
132	97.8	76.3	114.5
97	60.6	47.8	71.6

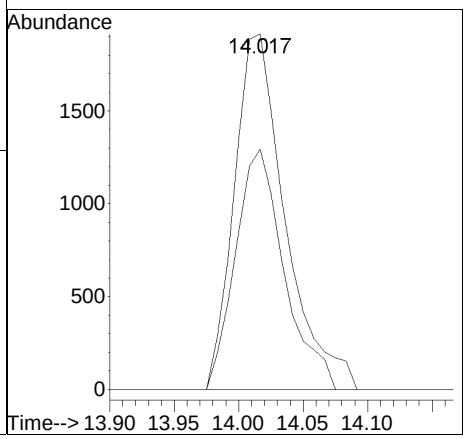


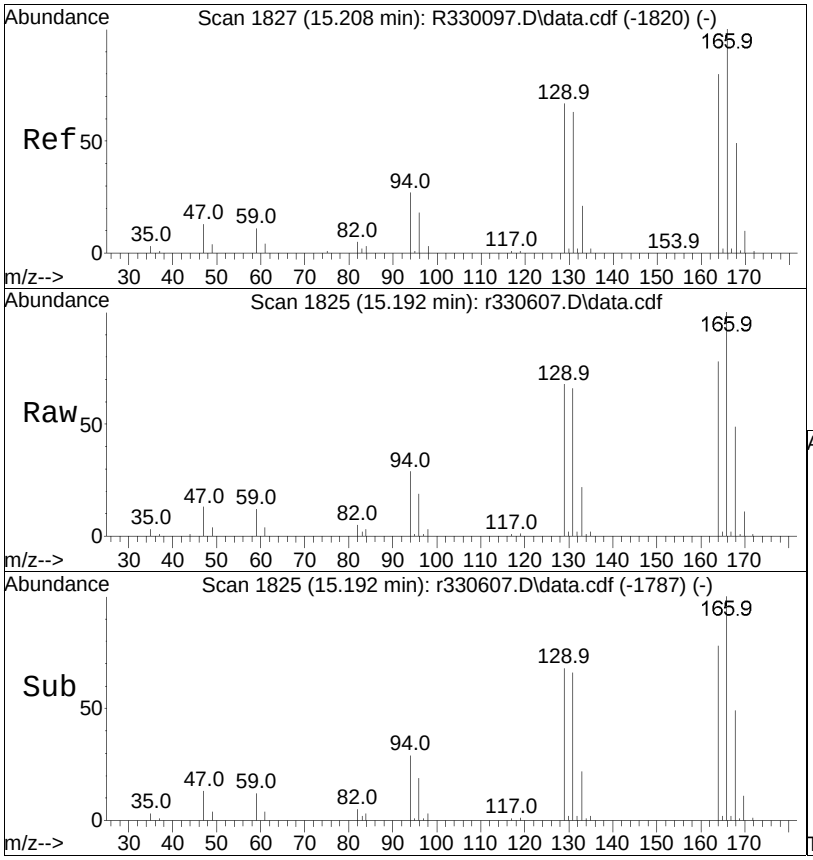


#68
toluene
Concen: 0.04 ppbV
RT: 14.017 min Scan# 1684
Delta R.T. -0.017 min
Lab File: r330607.D
Acq: 25 Apr 2024 5:48 AM

Tgt Ion: 91 Resp: 5271

Ion	Ratio	Lower	Upper
91	100		
92	67.6	52.1	78.1

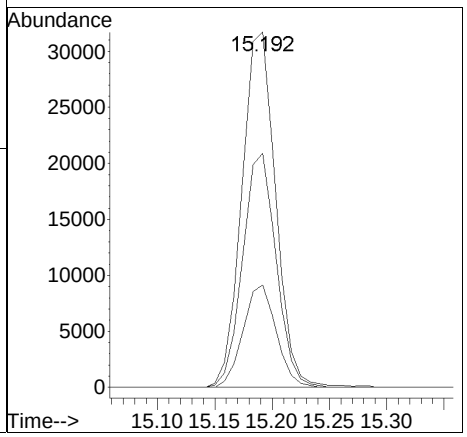


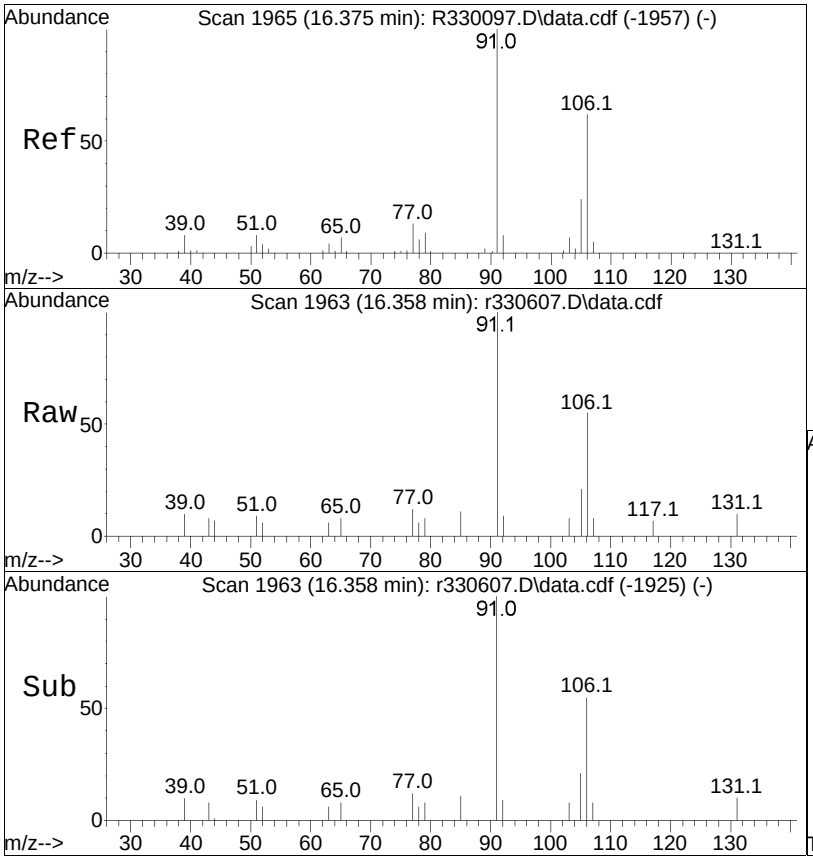


#78
tetrachloroethene
Concen: 1.18 ppbV
RT: 15.192 min Scan# 1825
Delta R.T. -0.017 min
Lab File: r330607.D
Acq: 25 Apr 2024 5:48 AM

Tgt Ion:166 Resp: 65165

Ion	Ratio	Lower	Upper
166	100		
131	65.9	50.6	75.8
94	28.9	21.4	32.2

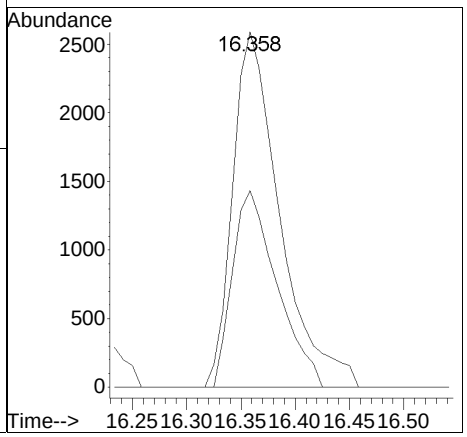


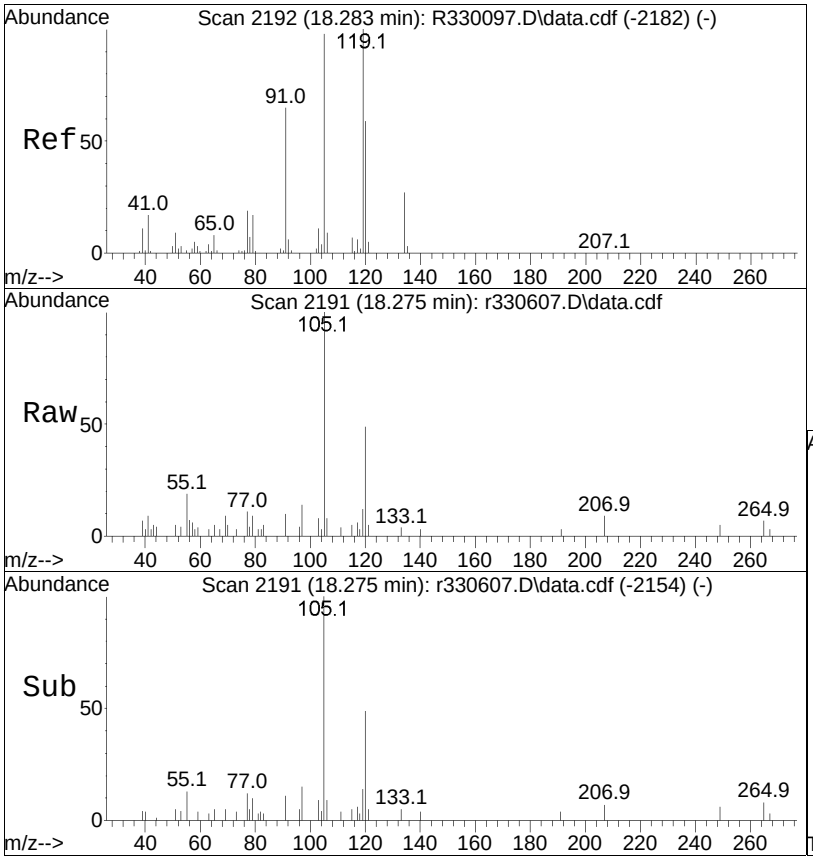


#83
m+p-xylene
Concen: 0.06 ppbV
RT: 16.358 min Scan# 1963
Delta R.T. -0.017 min
Lab File: r330607.D
Acq: 25 Apr 2024 5:48 AM

Tgt Ion: 91 Resp: 7817

Ion	Ratio	Lower	Upper
91	100		
106	55.4	49.2	73.8

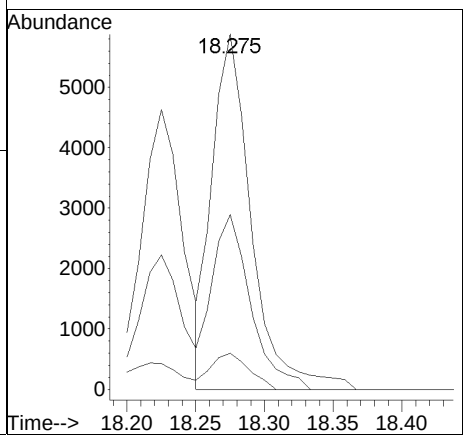




#99
1,2,4-trimethylbenzene
Concen: 0.08 ppbV
RT: 18.275 min Scan# 2191
Delta R.T. -0.008 min
Lab File: r330607.D
Acq: 25 Apr 2024 5:48 AM

Tgt Ion:105 Resp: 11720

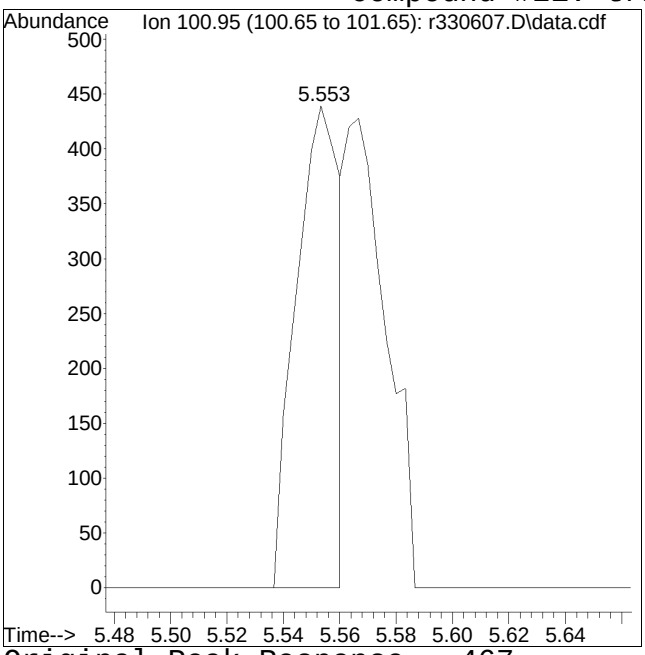
Ion	Ratio	Lower	Upper
105	100		
120	49.2	47.8	71.8
91	10.2	53.4	80.0#



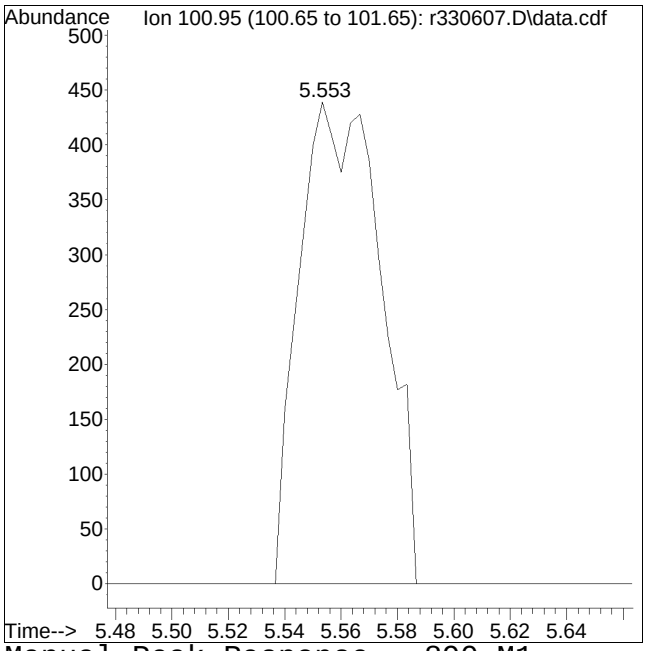
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : r330607.D Operator : AIRPIANO3:KJD
Date Inj'd : 4/25/2020 0:5: 8 Instrument :
Sample : L2419731-14D,3,18.1,250 Quant Date : 4/25/2024 7:38 am

Compound #21: trichlorofluoromethane



Original Peak Response = 467



Manual Peak Response = 890 M1

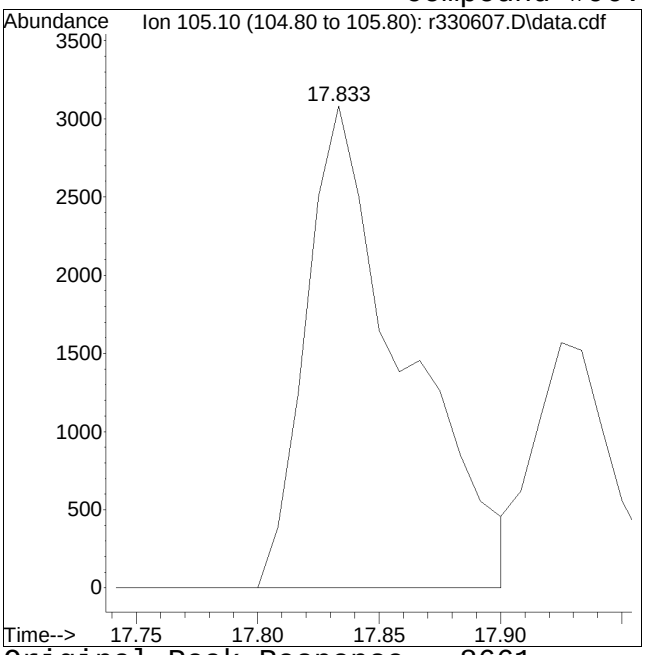
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

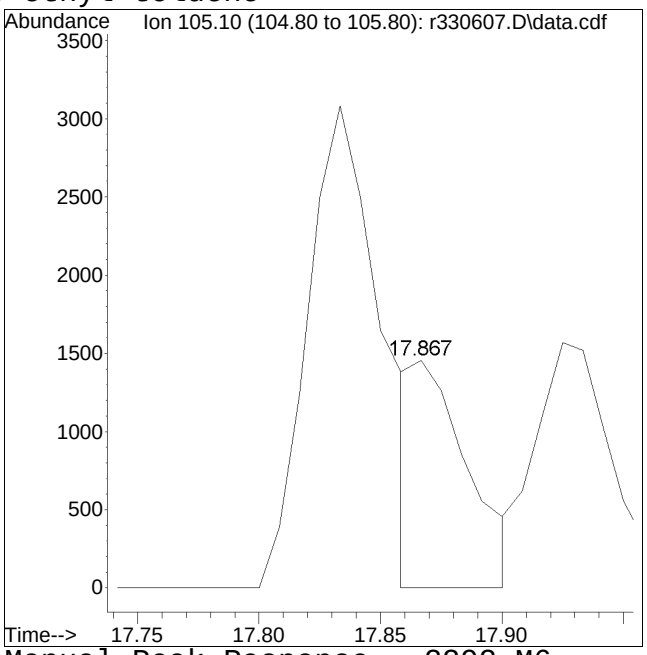
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330607.D
Date Inj'd : 4/25/2020 0:5: 8
Sample : L2419731-14D,3,18.1,250

Method : TFS3_240401.M
Operator : AIRPIANO3:KJD
Instrument :
Quant Date : 4/25/2024 7:38 am

Compound #96: 4-ethyl toluene



Original Peak Response = 8661



Manual Peak Response = 2292 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330608.D
Acq On : 25 Apr 2024 6:28 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-15,3,250,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:39:18 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.792	49	347849	10.000	ppbV	-0.03
Standard Area = 349686			Recovery = 99.47%			
43) 1,4-difluorobenzene	11.027	114	1165853	10.000	ppbV	-0.03
Standard Area = 1160525			Recovery = 100.46%			
67) chlorobenzene-D5	15.792	54	169544	10.000	ppbV	-0.03
Standard Area = 168249			Recovery = 100.77%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.780	85	16911	0.446	ppbV	99
6) chloromethane	3.918	50	3352	0.177	ppbV #	45
7) Freon-114	4.038		0	N.D.		
9) vinyl chloride	0.000		0	N.D.	d	
10) 1,3-butadiene	0.000		0	N.D.	d	
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	4.866	31	2068659	173.858	ppbV	83
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.363	43	3078303	81.312	ppbV #	81
21) trichlorofluoromethane	5.557	101	10692	0.277	ppbV	99
22) isopropyl alcohol	5.653	45	120168	2.381	ppbV #	96
26) 1,1-dichloroethene	6.250		0	N.D.		
27) tertiary butyl alcohol	6.316	59	28678	0.572	ppbV	94
28) methylene chloride	6.388	49	4202	0.151	ppbV	99
29) 3-chloropropene	0.000		0	N.D.		
30) carbon disulfide	6.688	76	23416	0.270	ppbV #	93
31) Freon 113	6.688	101	3814	0.084	ppbV	97
32) trans-1,2-dichloroethene	7.433		0	N.D.		
33) 1,1-dichloroethane	0.000		0	N.D.	d	
34) MTBE	0.000		0	N.D.	d	
36) 2-butanone	8.117	43	79093	1.222	ppbV #	96
37) cis-1,2-dichloroethene	8.608	61	12528	0.351	ppbV	99
38) Ethyl Acetate	8.892	61	4920	0.507	ppbV #	20
39) chloroform	8.950	83	3564	0.083	ppbV	97
40) Tetrahydrofuran	9.400	42	54222	1.297	ppbV	94
42) 1,2-dichloroethane	9.783	62	3675	0.134	ppbV	96
44) hexane	8.858	57	28573	0.653	ppbV #	1

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330608.D
Acq On : 25 Apr 2024 6:28 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-15,3,250,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:39:18 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,1-trichloroethane	10.067	97	7102	0.202	ppbV	98
50) benzene	10.600	78	20199	0.204	ppbV #	92
52) carbon tetrachloride	10.773	117	2425	0.076	ppbV #	97
53) cyclohexane	10.913	56	9006	0.194	ppbV #	86
56) 1,2-dichloropropane	0.000		0	N.D.	d	
57) bromodichloromethane	0.000		0	N.D.	d	
58) 1,4-dioxane	0.000		0	N.D.		
59) trichloroethene	11.833	130	1583	0.046	ppbV	99
60) 2,2,4-trimethylpentane	11.880	57	16224	0.115	ppbV	96
62) heptane	12.193	43	7362	0.116	ppbV	93
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.917	43	6907M6	0.092	ppbV	
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	14.008	91	45284	0.375	ppbV	98
72) 2-hexanone	0.000		0	N.D.	d	
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
78) tetrachloroethene	15.183	166	4499	0.083	ppbV	93
80) chlorobenzene	0.000		0	N.D.	d	
81) ethylbenzene	16.192	91	15152	0.100	ppbV	93
83) m+p-xylene	16.350	91	46732	0.384	ppbV	89
84) bromoform	0.000		0	N.D.		
85) styrene	16.700		0	N.D.		
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	d	
87) o-xylene	16.783	91	20237	0.168	ppbV	89
96) 4-ethyl toluene	17.858	105	9725M6	0.054	ppbV	
97) 1,3,5-trimethylbenzene	17.925	105	15906	0.102	ppbV	97
99) 1,2,4-trimethylbenzene	18.267	105	51446M6	0.343	ppbV	
101) Benzyl Chloride	0.000		0	N.D.	d	
102) 1,3-dichlorobenzene	0.000		0	N.D.	d	
103) 1,4-dichlorobenzene	18.467		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.333	128	14017	0.073	ppbV	97
119) hexachlorobutadiene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330608.D
Acq On : 25 Apr 2024 6:28 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-15,3,250,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:39:18 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

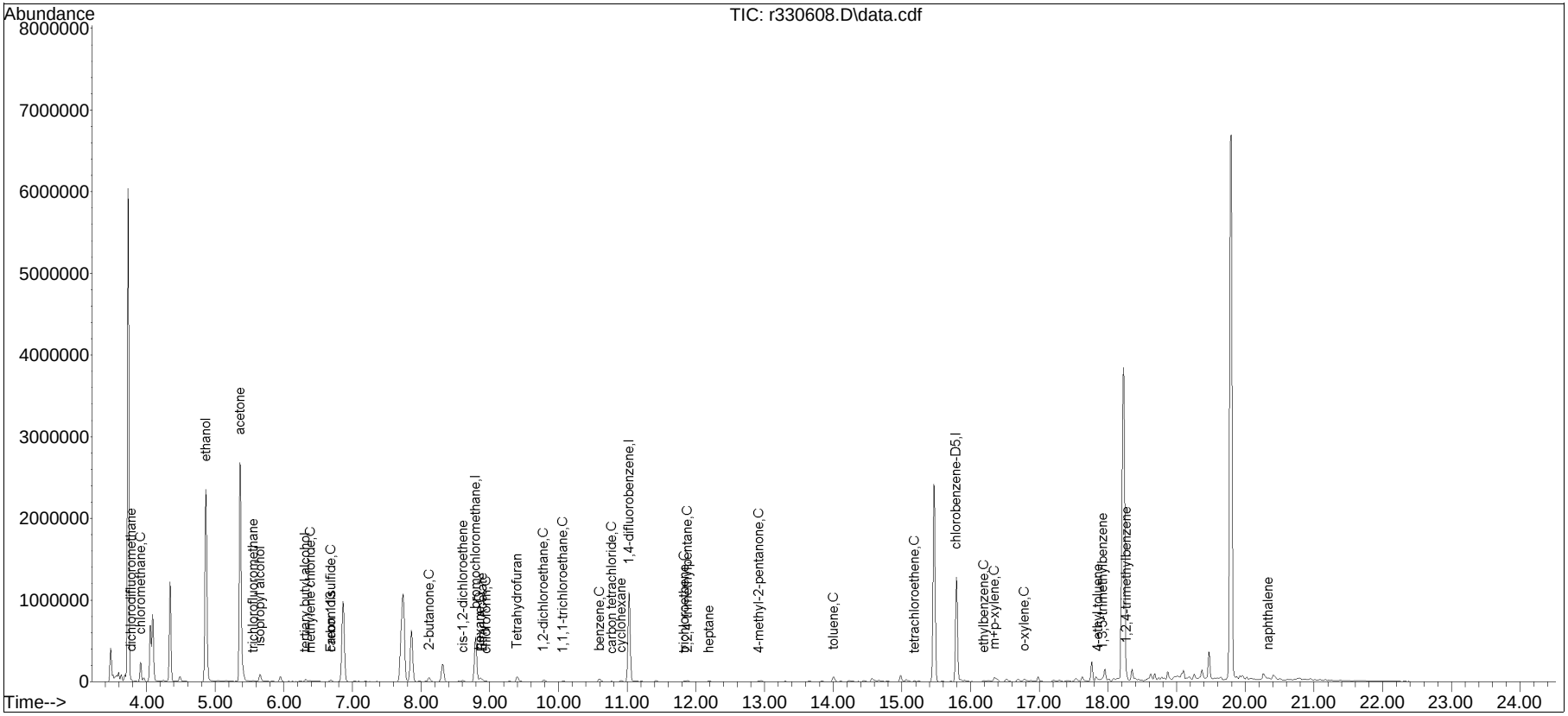
CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : TO15-NY+Naphthalene - .

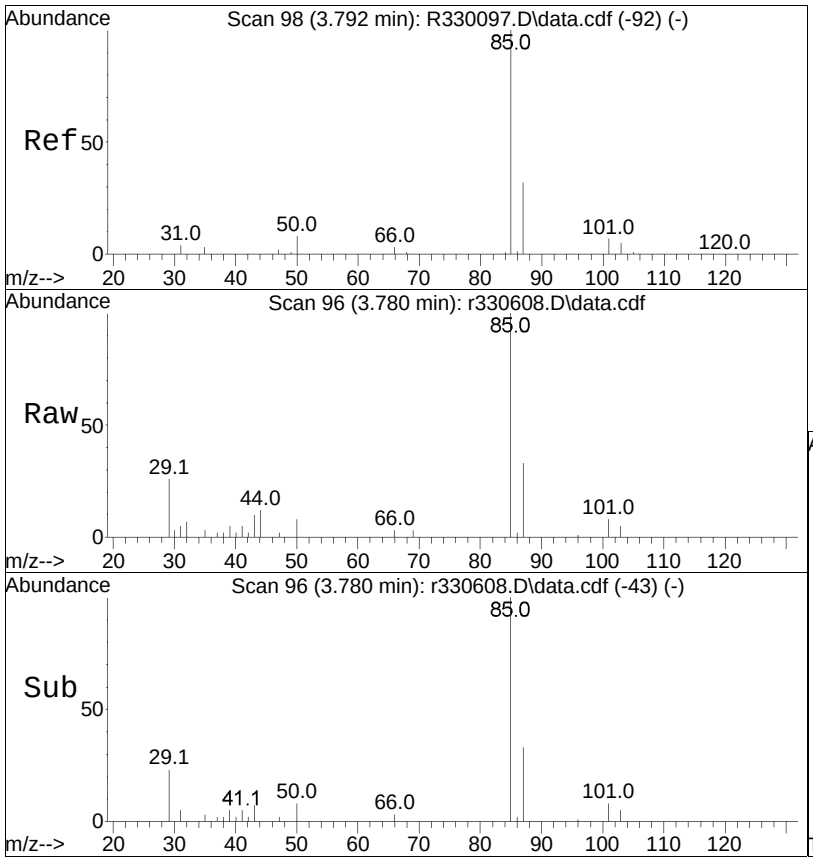
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : TO15-NY+Naphthalene - .ano3\2024\04\0424T\r330584.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330608.D
Acq On : 25 Apr 2024 6:28 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-15,3,250,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:39:18 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

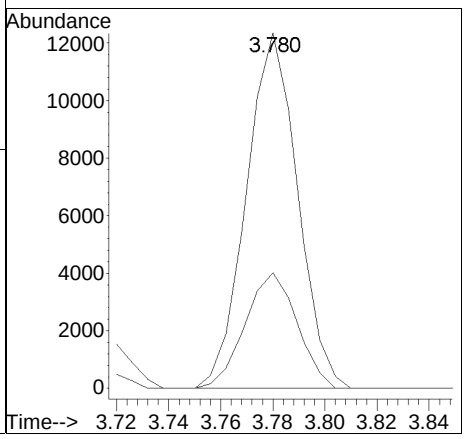


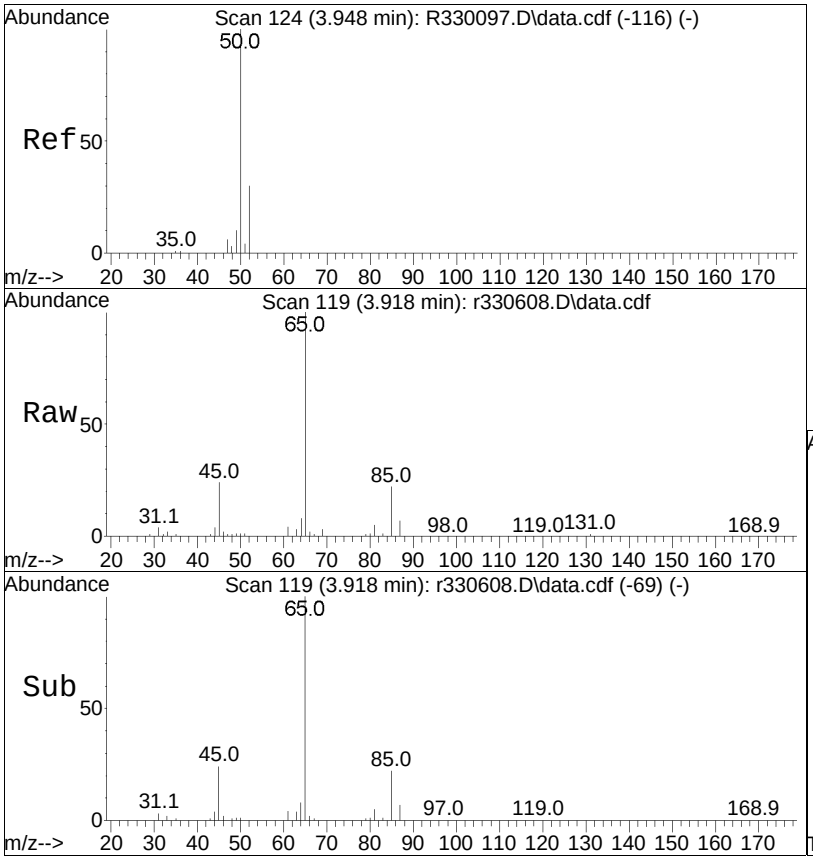


#5
dichlorodifluoromethane
Concen: 0.45 ppbV
RT: 3.780 min Scan# 96
Delta R.T. -0.012 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion: 85 Resp: 16911

Ion	Ratio	Lower	Upper
85	100		
87	32.6	25.4	38.2

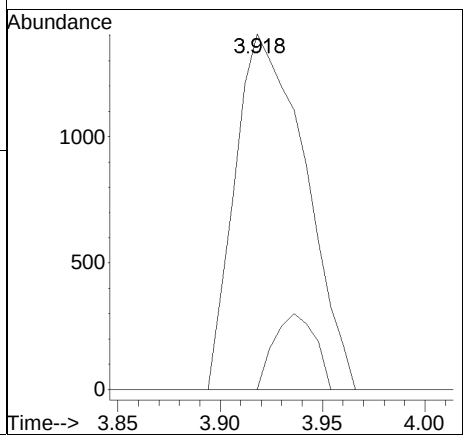


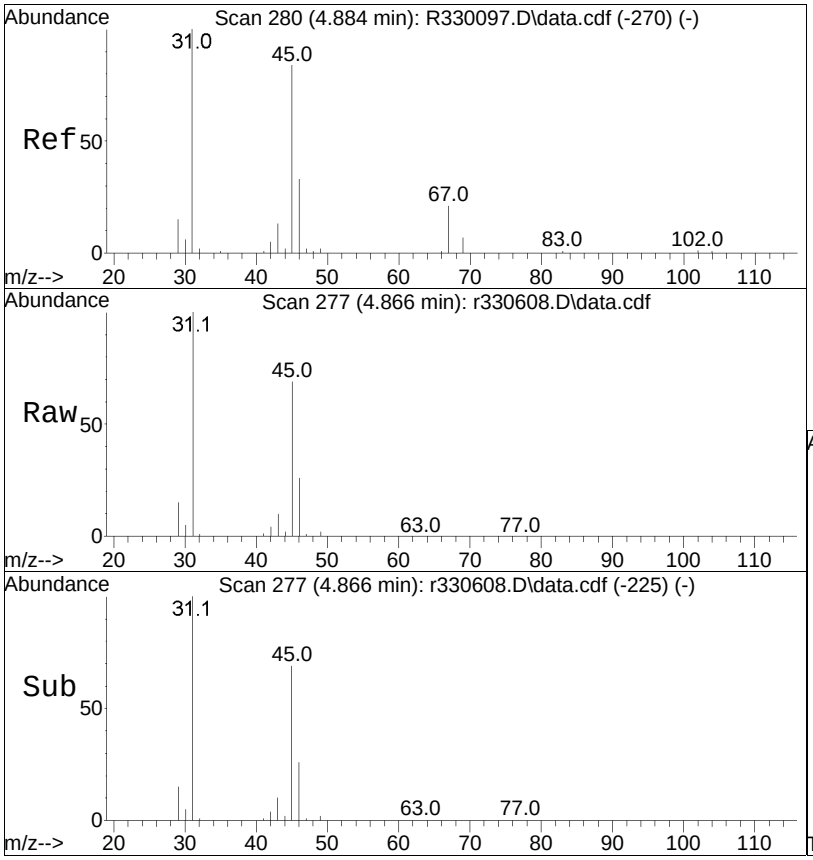


#6
chloromethane
Concen: 0.18 ppbV
RT: 3.918 min Scan# 119
Delta R.T. -0.030 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion: 50 Resp: 3352

Ion	Ratio	Lower	Upper
50	100		
52	0.0	24.0	36.0#

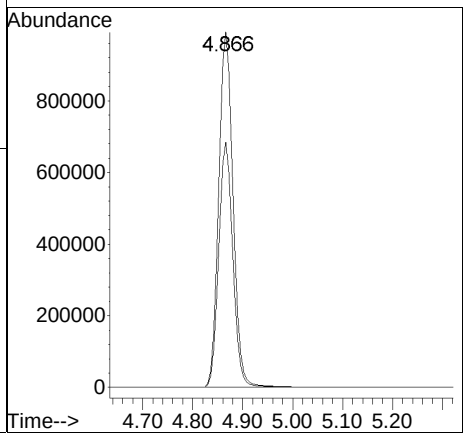


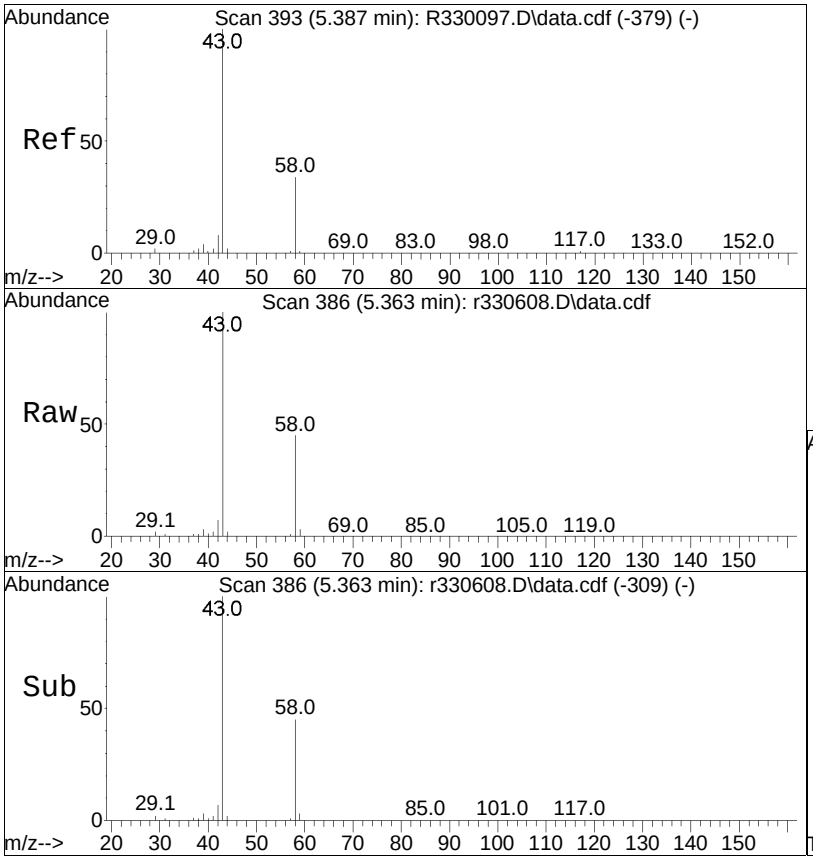


#15
ethanol
Concen: 173.86 ppbV
RT: 4.866 min Scan# 277
Delta R.T. -0.018 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion: 31 Resp: 2068659

Ion	Ratio	Lower	Upper
31	100		
45	69.1	67.5	101.3

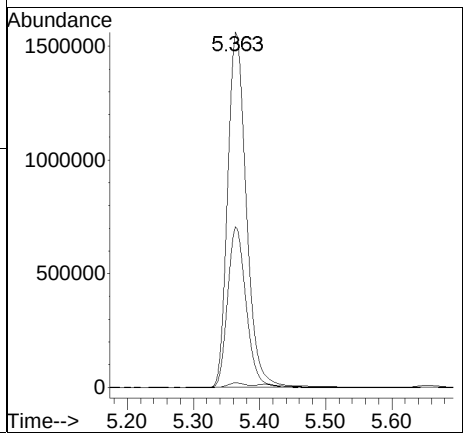


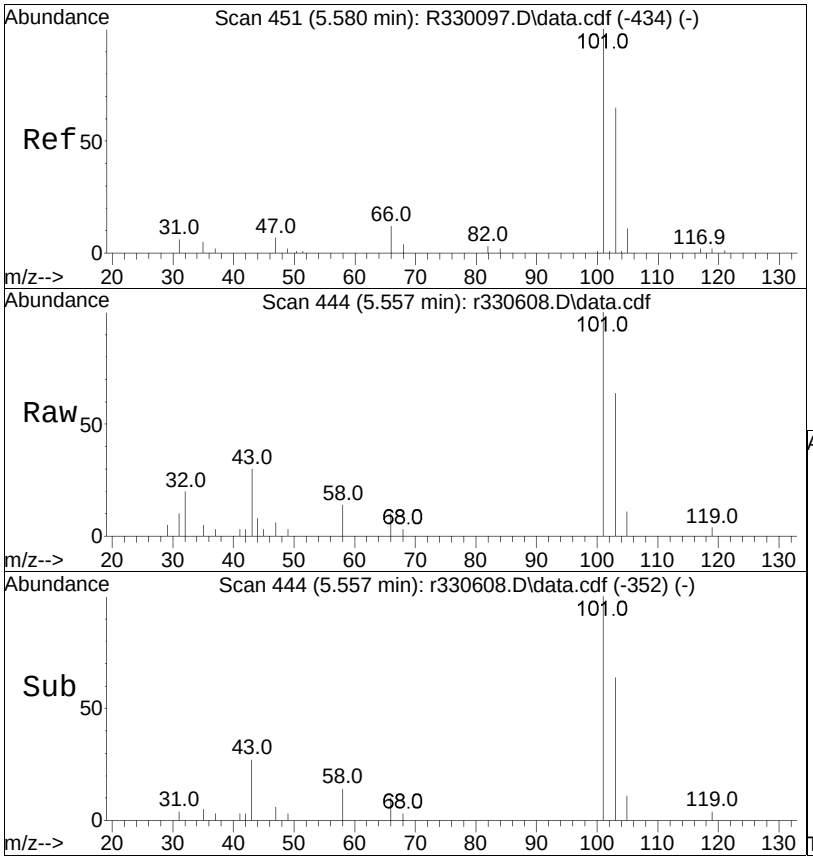


#19
acetone
Concen: 81.31 ppbV
RT: 5.363 min Scan# 386
Delta R.T. -0.024 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion: 43 Resp: 3078303

Ion	Ratio	Lower	Upper
43	100		
58	45.2	27.3	40.9#
57	1.3	0.8	1.2#

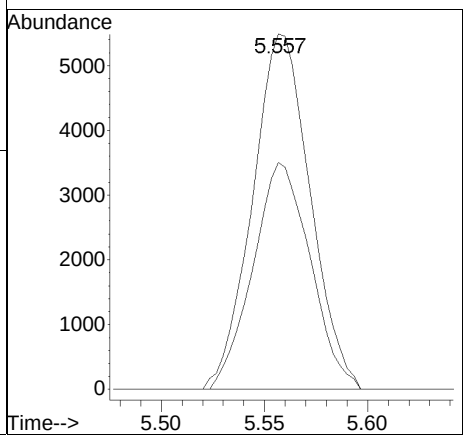


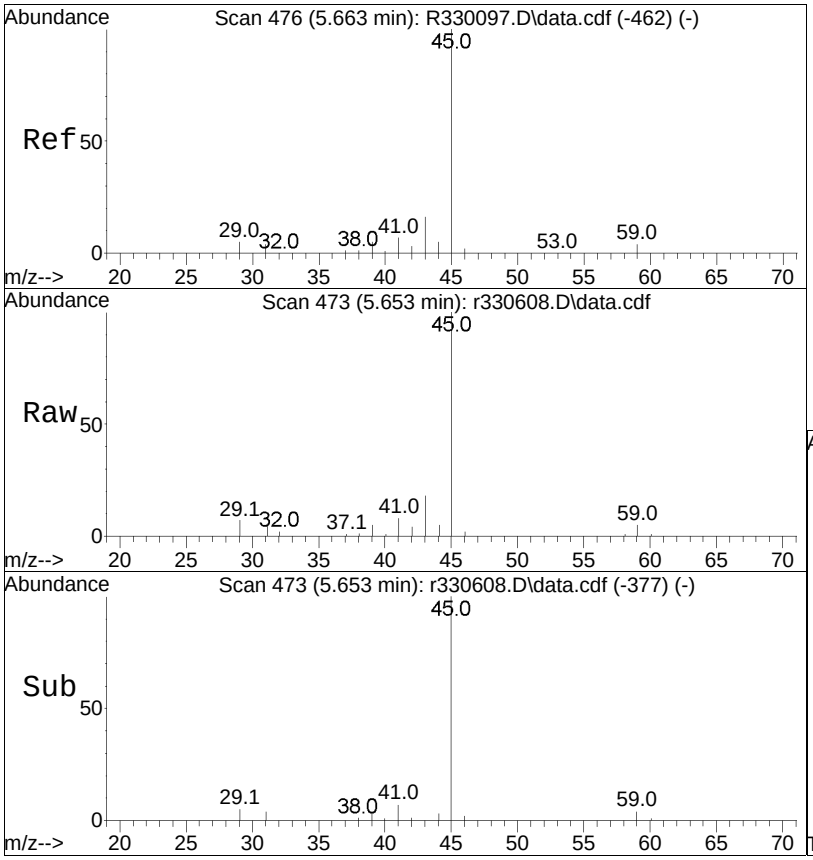


#21
trichlorofluoromethane
Concen: 0.28 ppbV
RT: 5.557 min Scan# 444
Delta R.T. -0.023 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion:101 Resp: 10692

Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.0	78.0

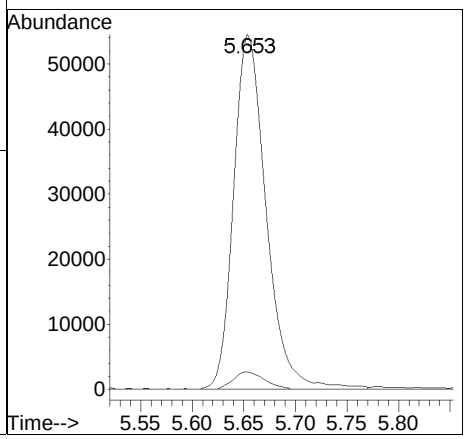


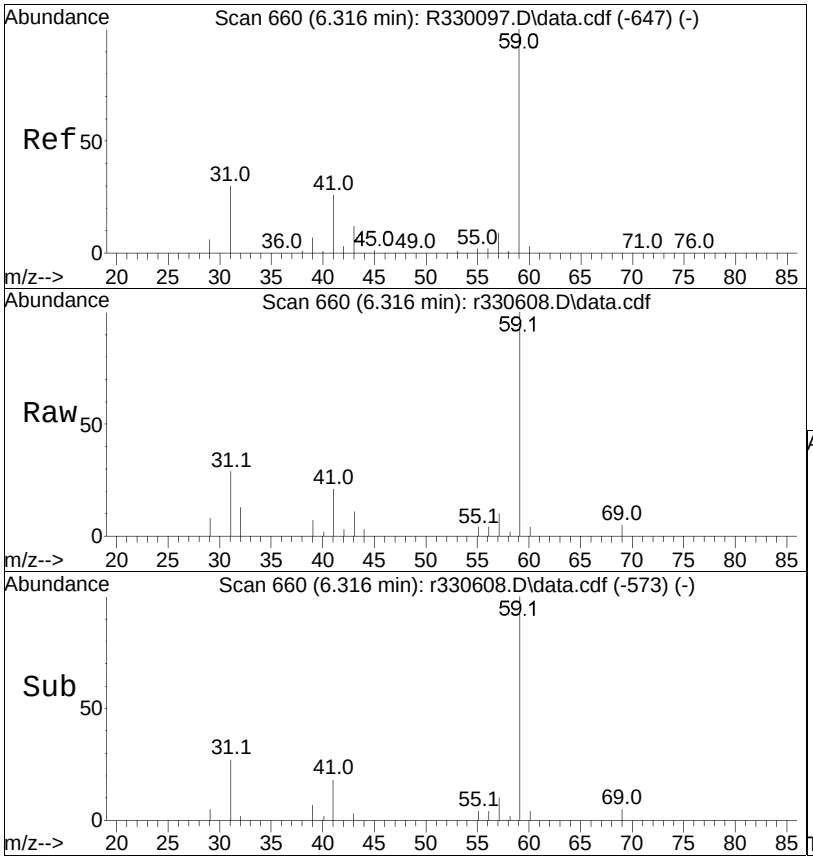


#22
isopropyl alcohol
Concen: 2.38 ppbV
RT: 5.653 min Scan# 473
Delta R.T. -0.010 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion: 45 Resp: 120168

Ion	Ratio	Lower	Upper
45	100		
59	4.9	3.0	4.4#

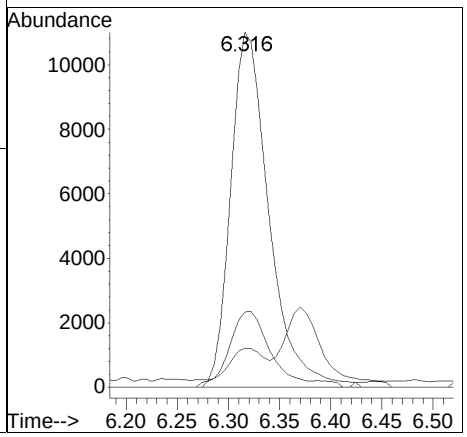


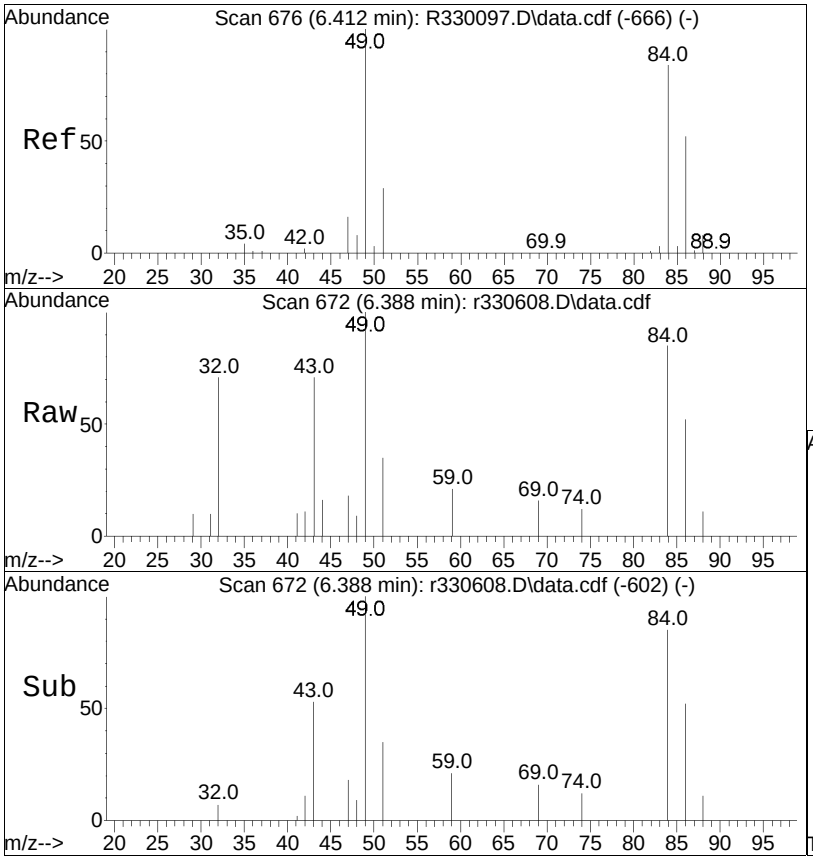


#27
tertiary butyl alcohol
Concen: 0.57 ppbV
RT: 6.316 min Scan# 660
Delta R.T. 0.000 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion: 59 Resp: 28678

Ion	Ratio	Lower	Upper
59	100		
41	21.3	20.4	30.6
43	11.0	9.4	14.0

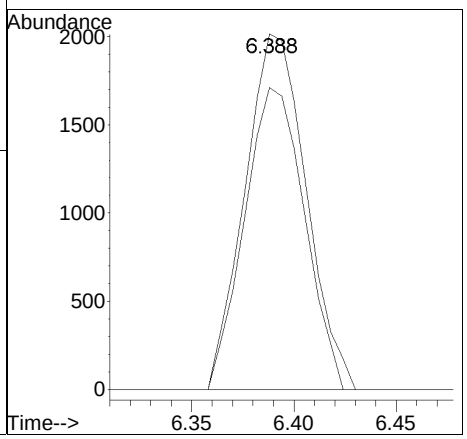


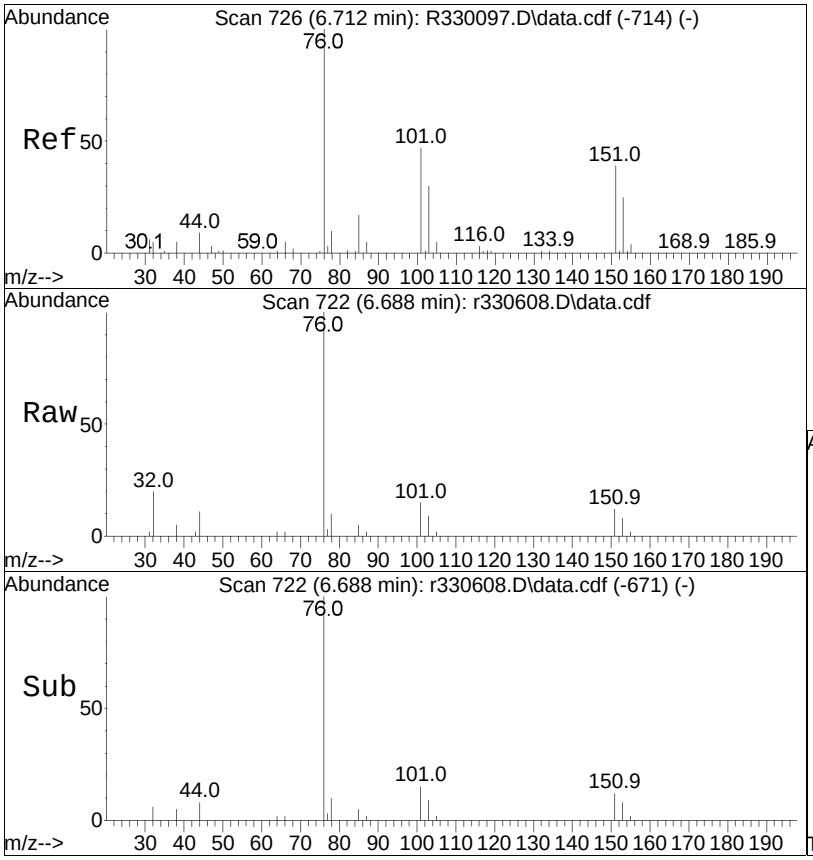


#28
methylene chloride
Concen: 0.15 ppbV
RT: 6.388 min Scan# 672
Delta R.T. -0.024 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion: 49 Resp: 4202

Ion	Ratio	Lower	Upper
49	100		
84	84.9	67.0	100.4

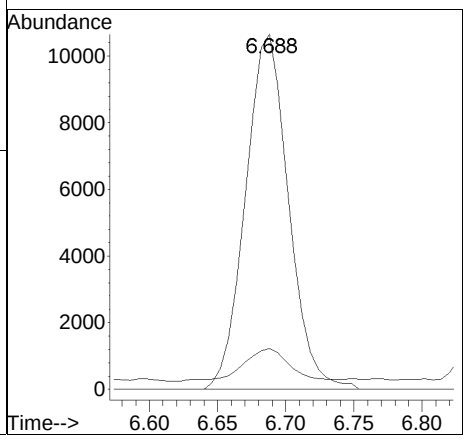


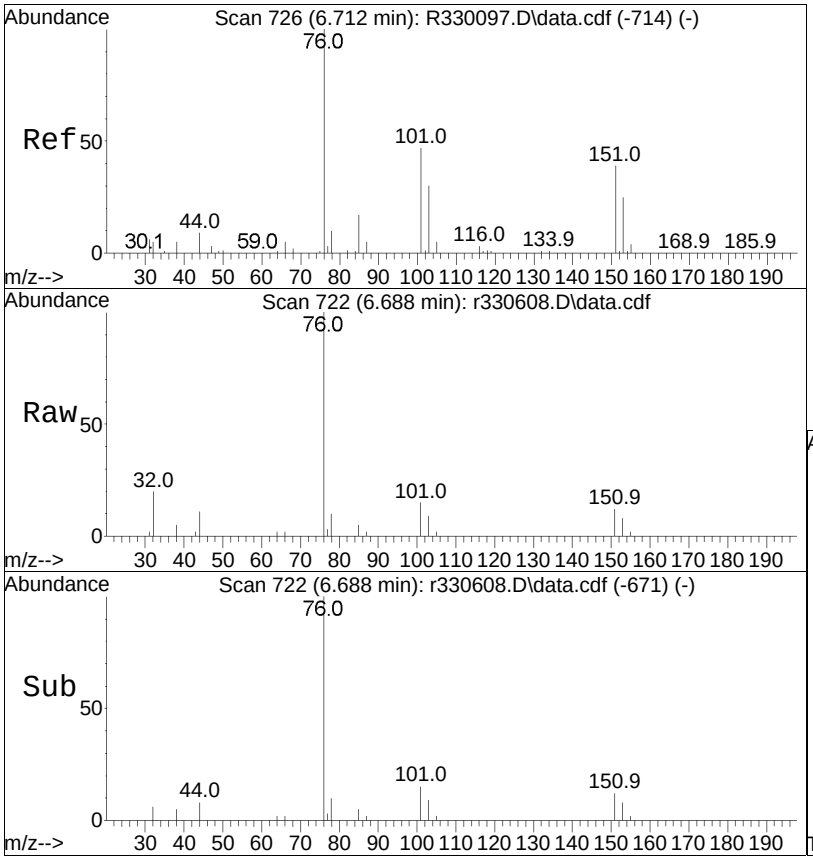


#30
carbon disulfide
Concen: 0.27 ppbV
RT: 6.688 min Scan# 722
Delta R.T. -0.024 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion: 76 Resp: 23416

Ion	Ratio	Lower	Upper
76	100		
44	11.5	7.1	10.7#

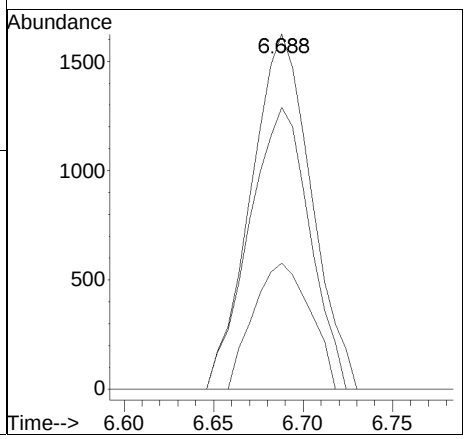


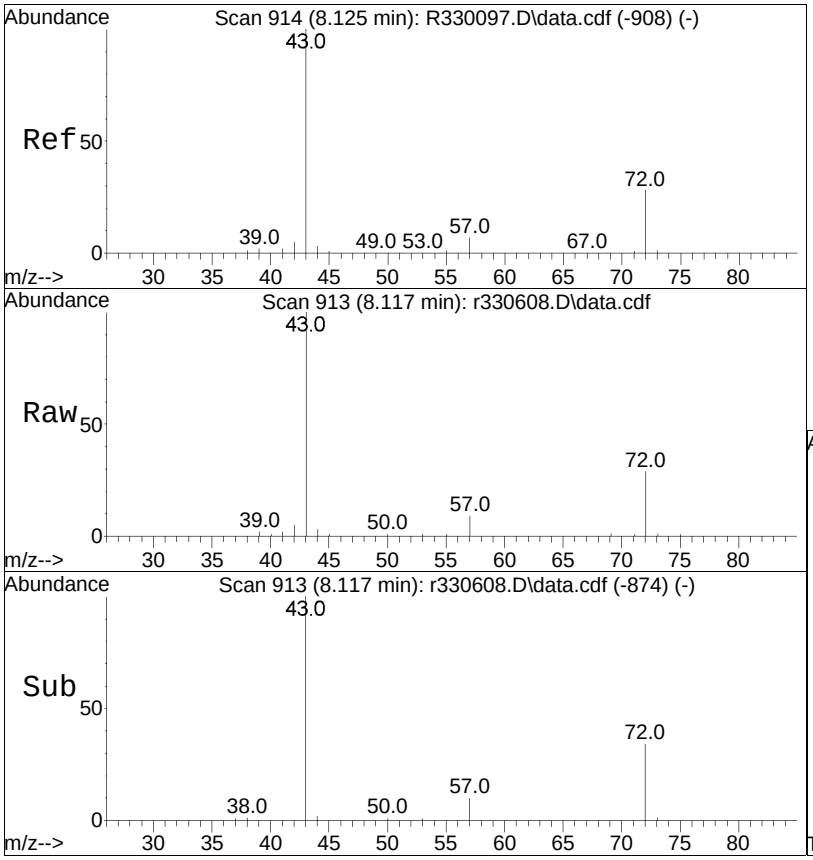


#31
Freon 113
Concen: 0.08 ppbV
RT: 6.688 min Scan# 722
Delta R.T. -0.024 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion:101 Resp: 3814

Ion	Ratio	Lower	Upper
101	100		
85	35.5	28.5	42.7
151	79.4	66.9	100.3

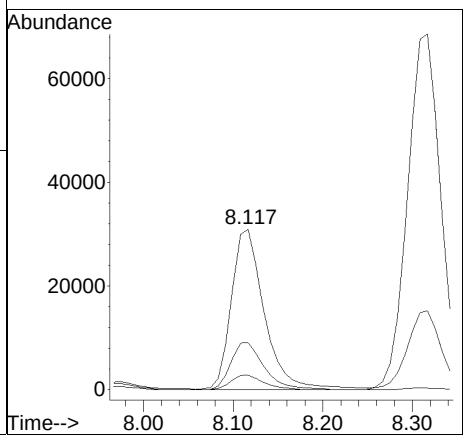


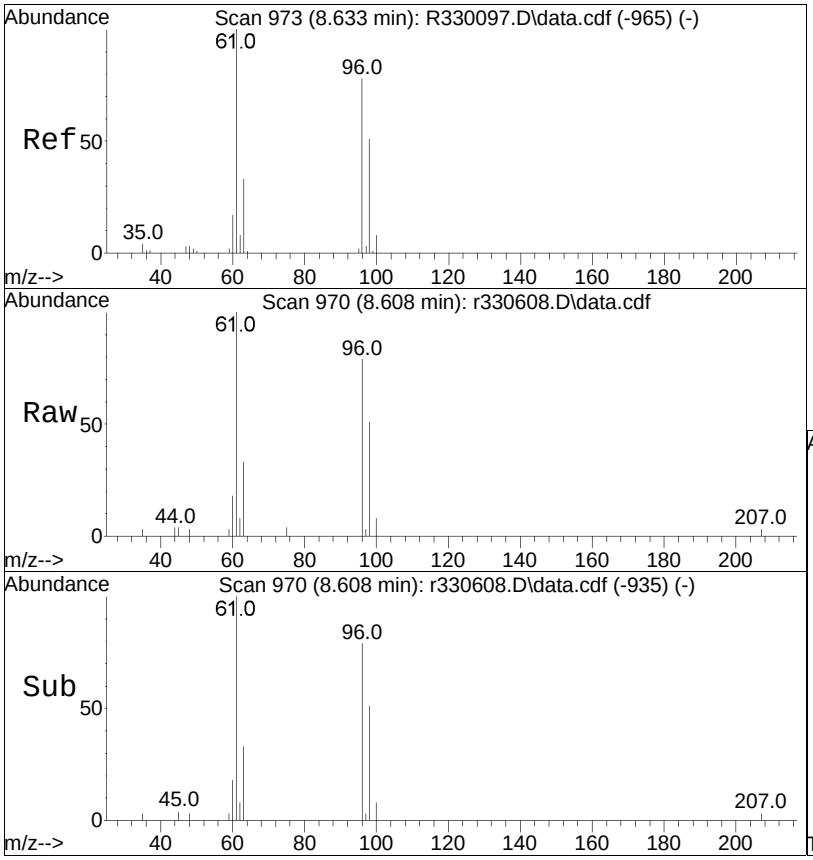


#36
2-butanone
Concen: 1.22 ppbV
RT: 8.117 min Scan# 913
Delta R.T. -0.008 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion: 43 Resp: 79093

Ion	Ratio	Lower	Upper
43	100		
72	29.3	22.1	33.1
57	8.9	5.3	7.9#

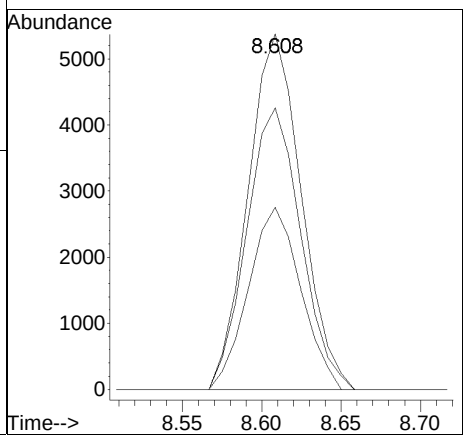


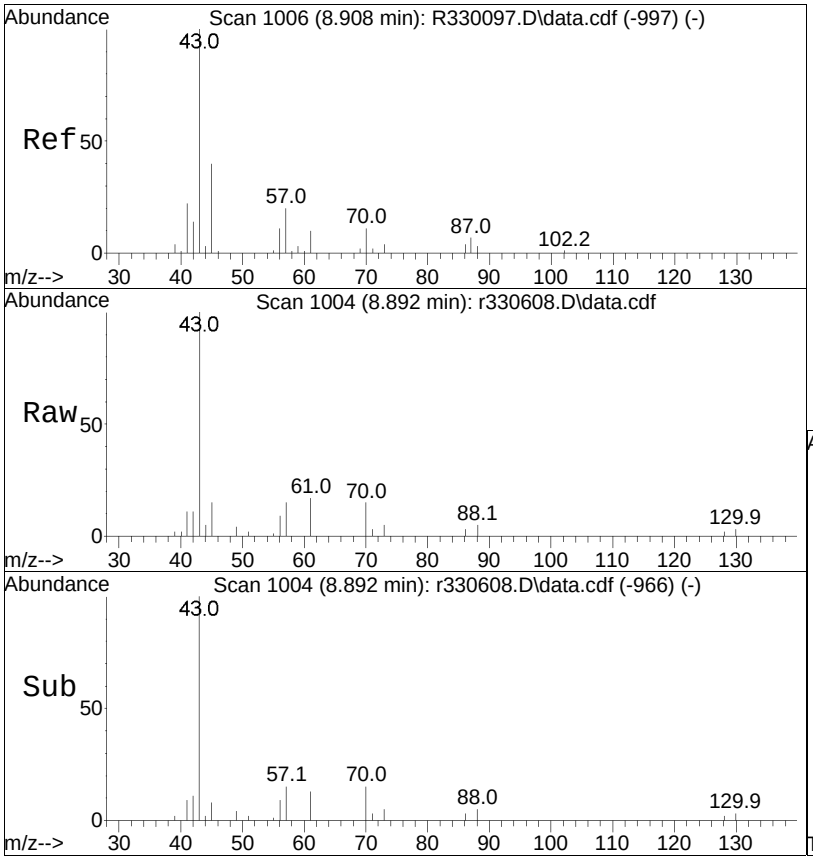


#37
cis-1,2-dichloroethene
Concen: 0.35 ppbV
RT: 8.608 min Scan# 970
Delta R.T. -0.025 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion: 61 Resp: 12528

Ion	Ratio	Lower	Upper
61	100		
96	79.3	62.6	94.0
98	51.2	40.7	61.1

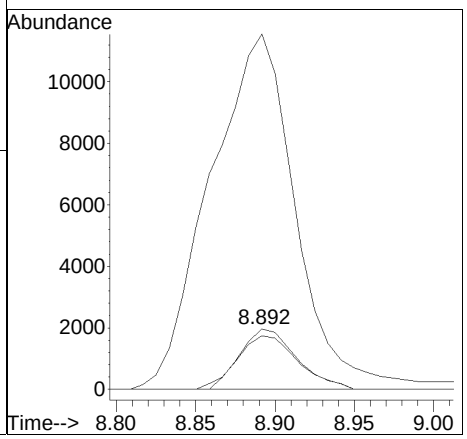


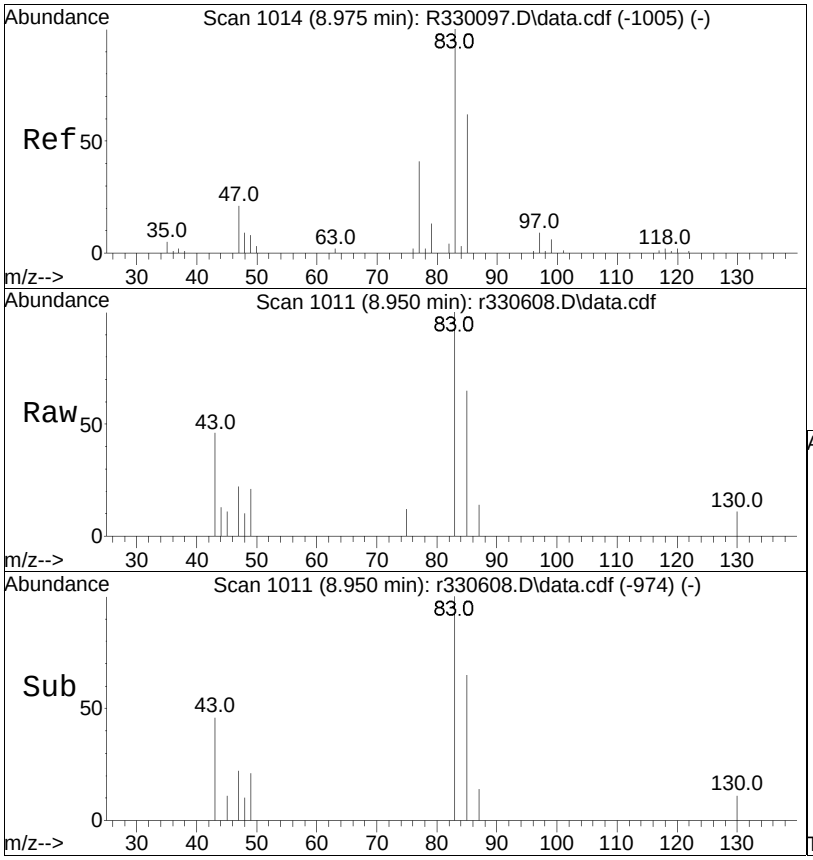


#38
Ethyl Acetate
Concen: 0.51 ppbV
RT: 8.892 min Scan# 1004
Delta R.T. -0.017 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion: 61 Resp: 4920

Ion	Ratio	Lower	Upper
61	100		
70	88.7	87.4	131.0
43	587.5	771.8	1157.6#

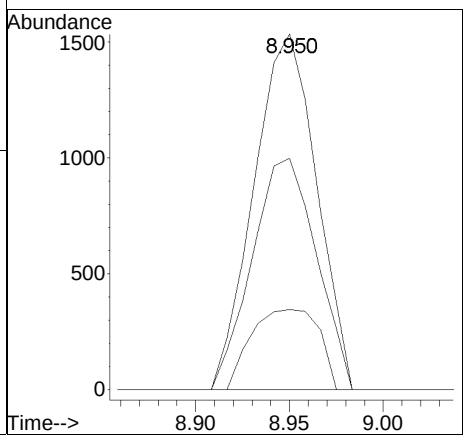


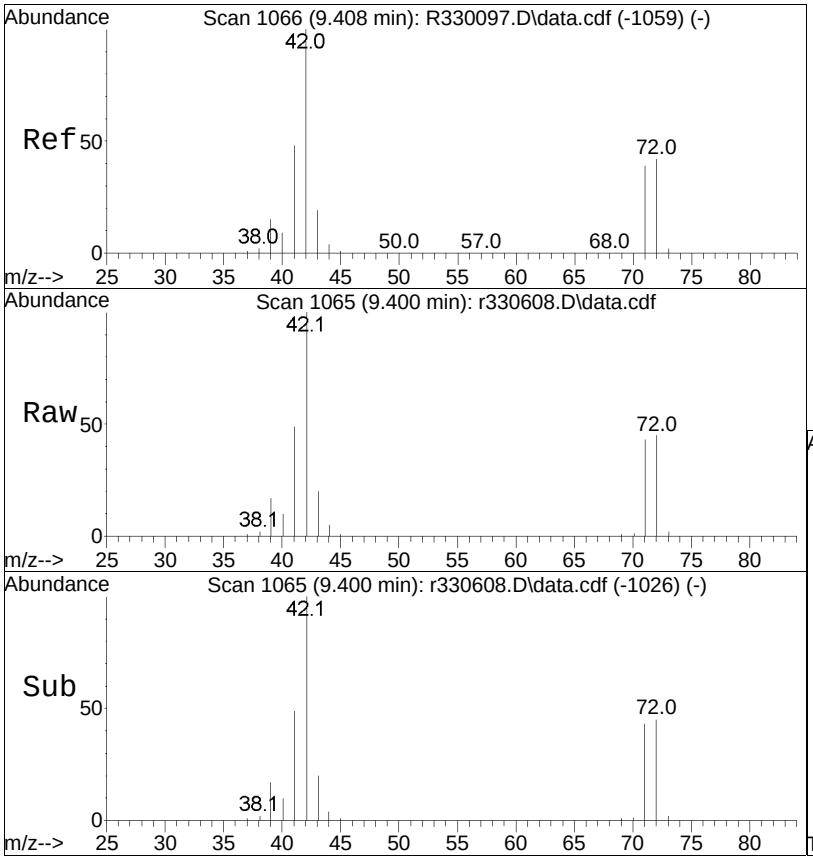


#39
chloroform
Concen: 0.08 ppbV
RT: 8.950 min Scan# 1011
Delta R.T. -0.025 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion: 83 Resp: 3564

Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.8	74.8
47	22.5	16.8	25.2

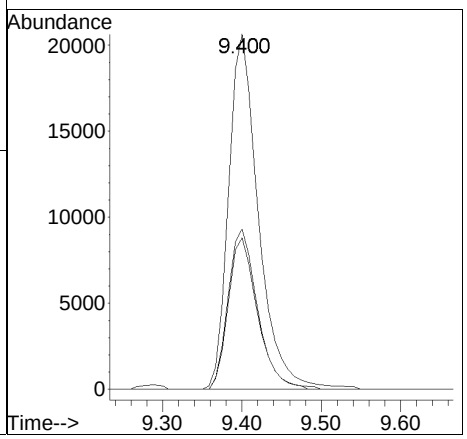


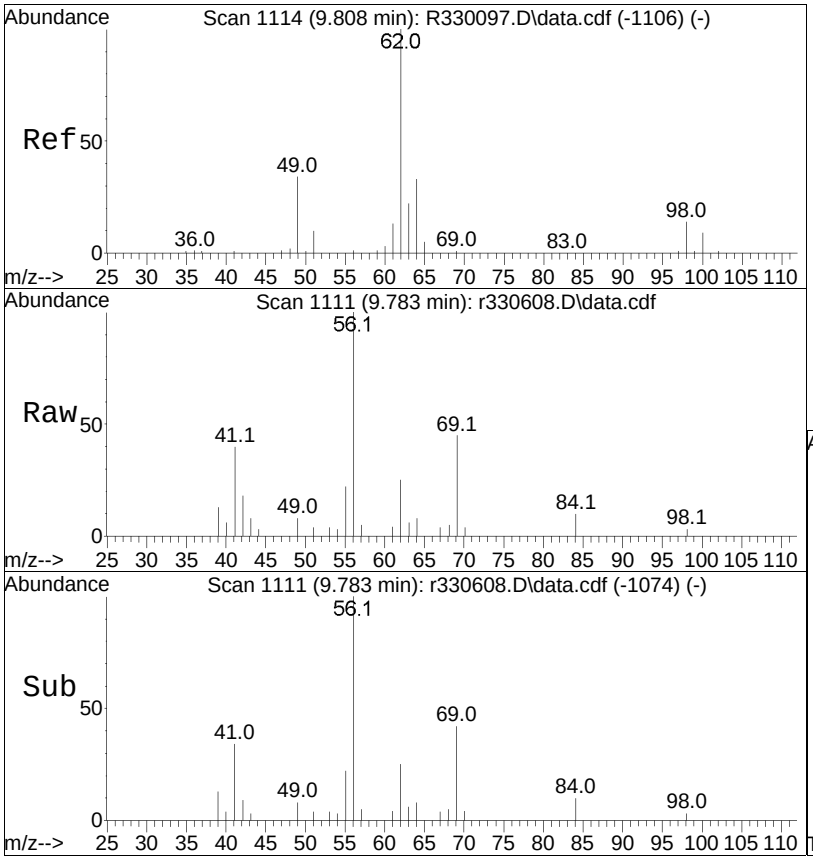


#40
Tetrahydrofuran
Concen: 1.30 ppbV
RT: 9.400 min Scan# 1065
Delta R.T. -0.008 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion: 42 Resp: 54222

Ion	Ratio	Lower	Upper
42	100		
71	42.7	31.0	46.4
72	45.1	33.4	50.2

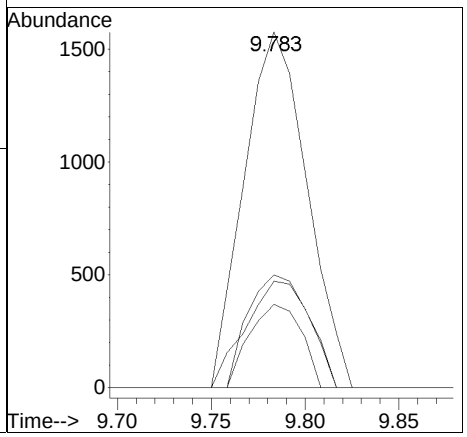


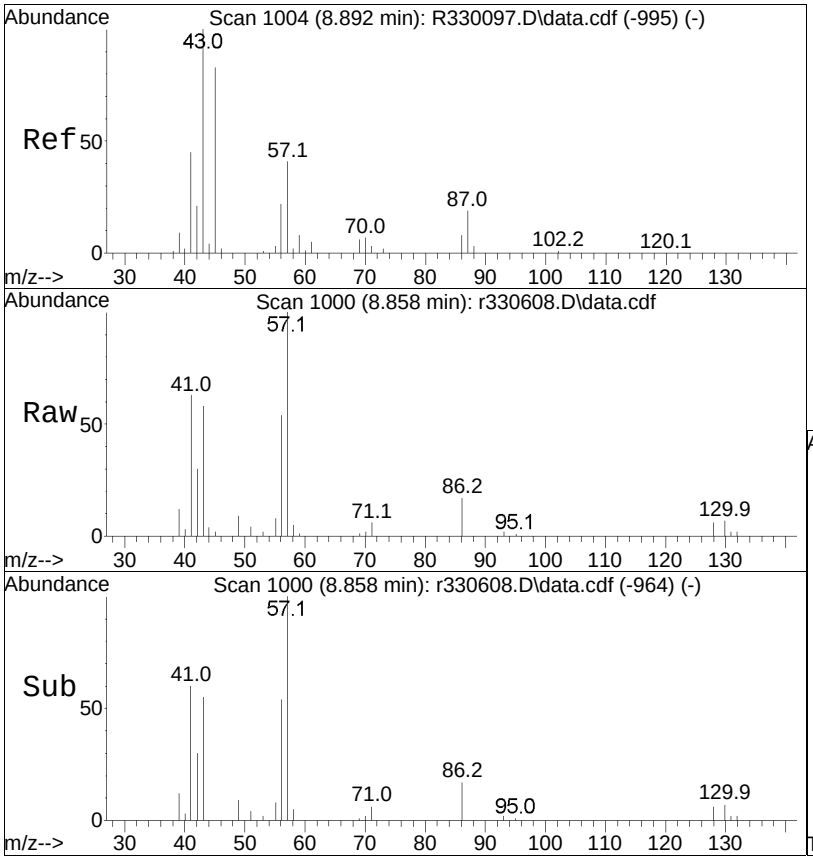


#42
1,2-dichloroethane
Concen: 0.13 ppbV
RT: 9.783 min Scan# 1111
Delta R.T. -0.025 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion: 62 Resp: 3675

Ion	Ratio	Lower	Upper
62	100		
64	31.7	26.9	40.3
49	29.9	26.8	40.2
63	23.4	17.5	26.3

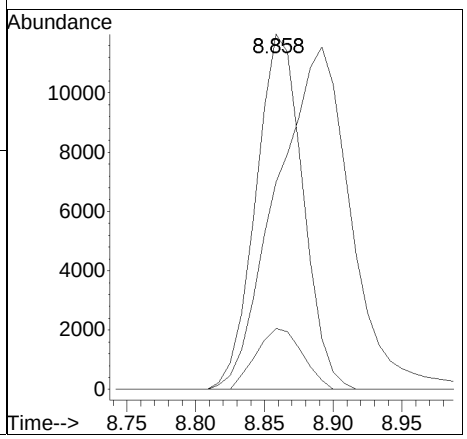


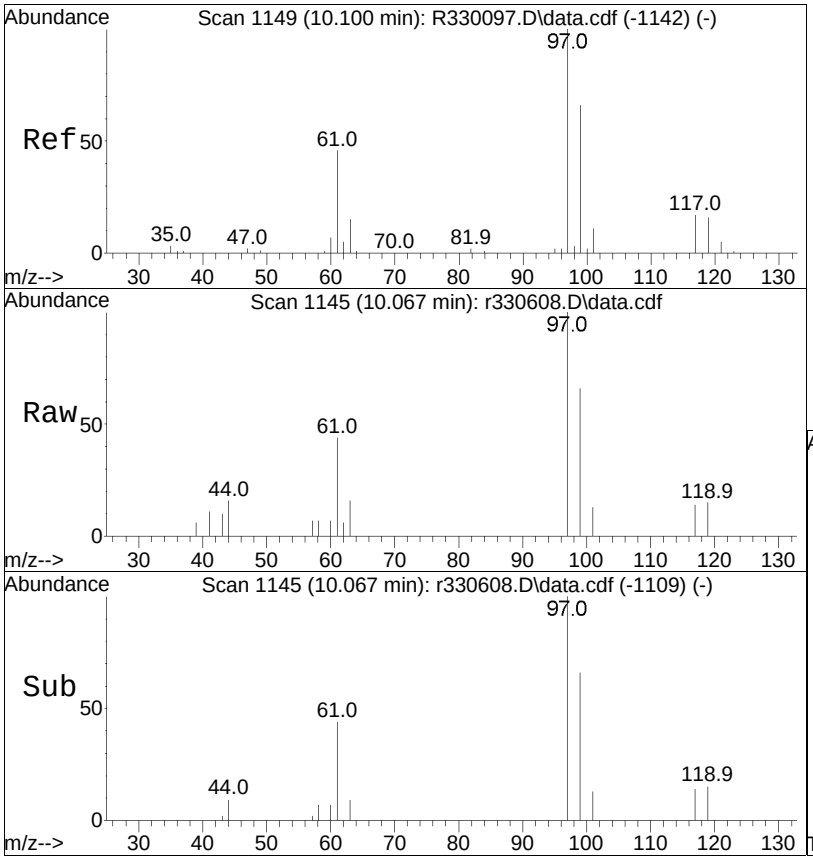


#44
hexane
Concen: 0.65 ppbV
RT: 8.858 min Scan# 1000
Delta R.T. -0.033 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion: 57 Resp: 28573

Ion	Ratio	Lower	Upper
57	100		
43	58.3	196.5	294.7#
86	17.2	15.8	23.6

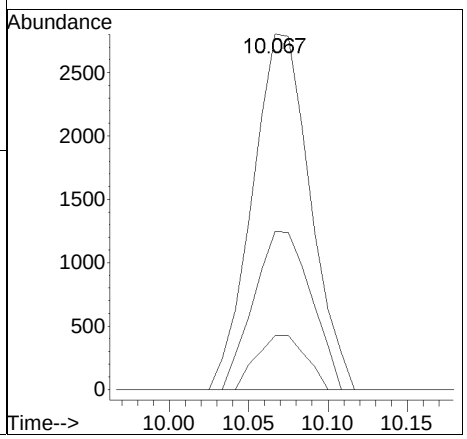


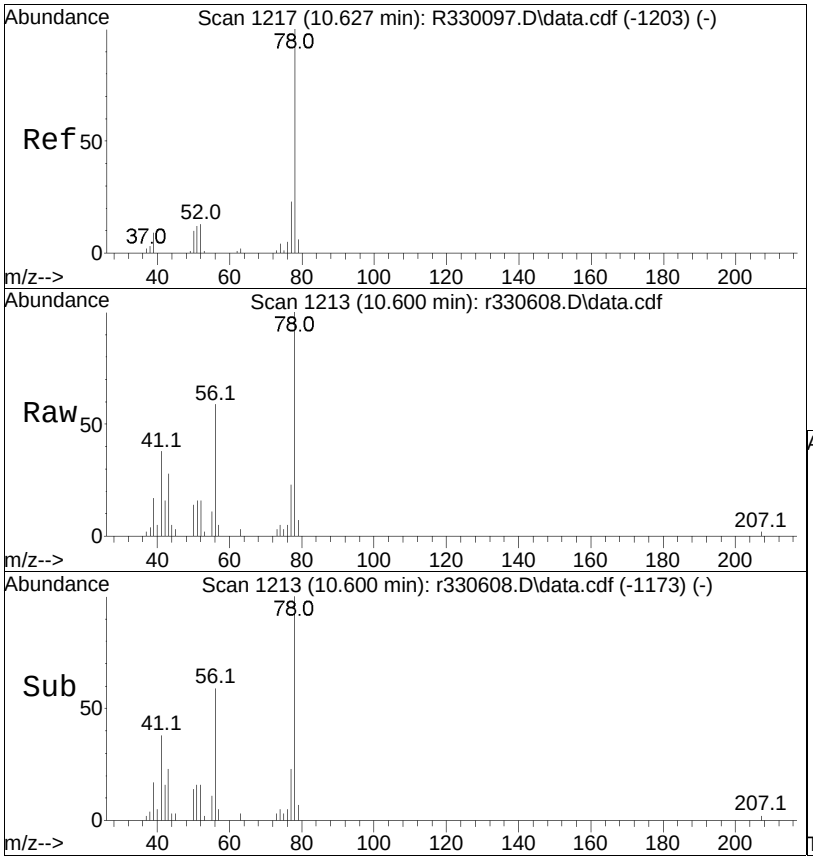


#48
1,1,1-trichloroethane
Concen: 0.20 ppbV
RT: 10.067 min Scan# 1145
Delta R.T. -0.033 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion: 97 Resp: 7102

Ion	Ratio	Lower	Upper
97	100		
61	44.5	36.6	54.8
119	15.2	13.0	19.4

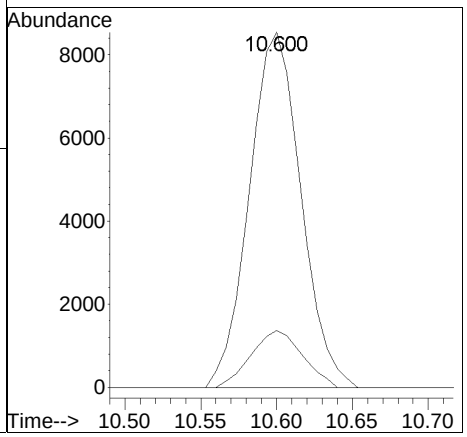


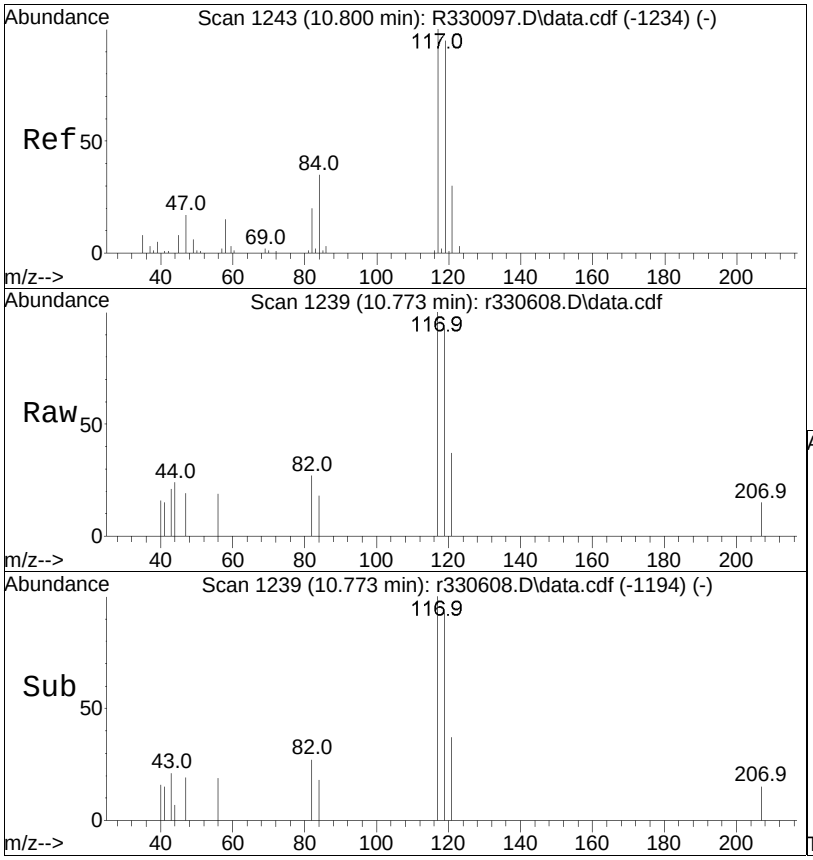


#50
benzene
Concen: 0.20 ppbV
RT: 10.600 min Scan# 1213
Delta R.T. -0.027 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion: 78 Resp: 20199

Ion	Ratio	Lower	Upper
78	100		
52	16.0	10.4	15.6#

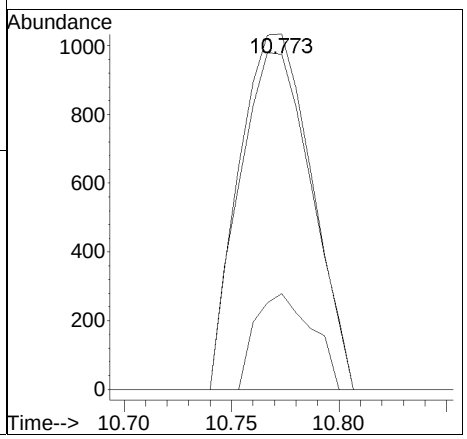


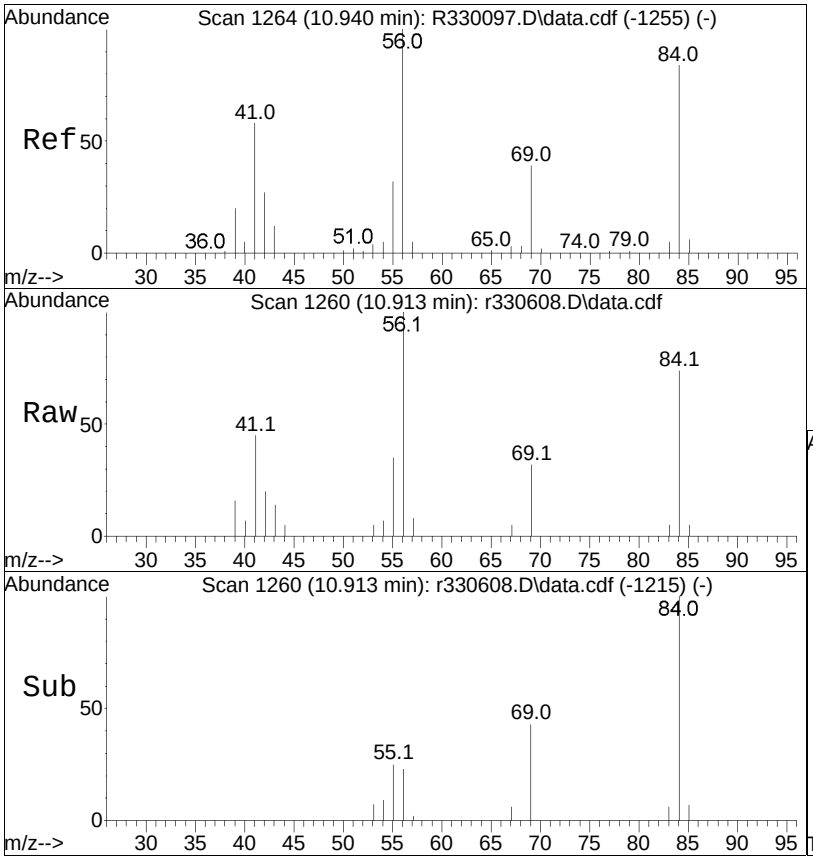


#52
carbon tetrachloride
Concen: 0.08 ppbV
RT: 10.773 min Scan# 1239
Delta R.T. -0.027 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion:117 Resp: 2425

Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.8	113.8
82	27.0	16.5	24.7#

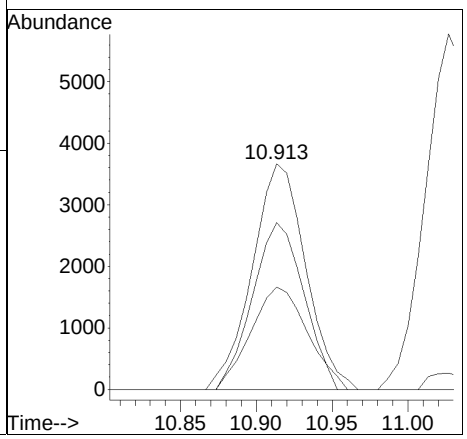


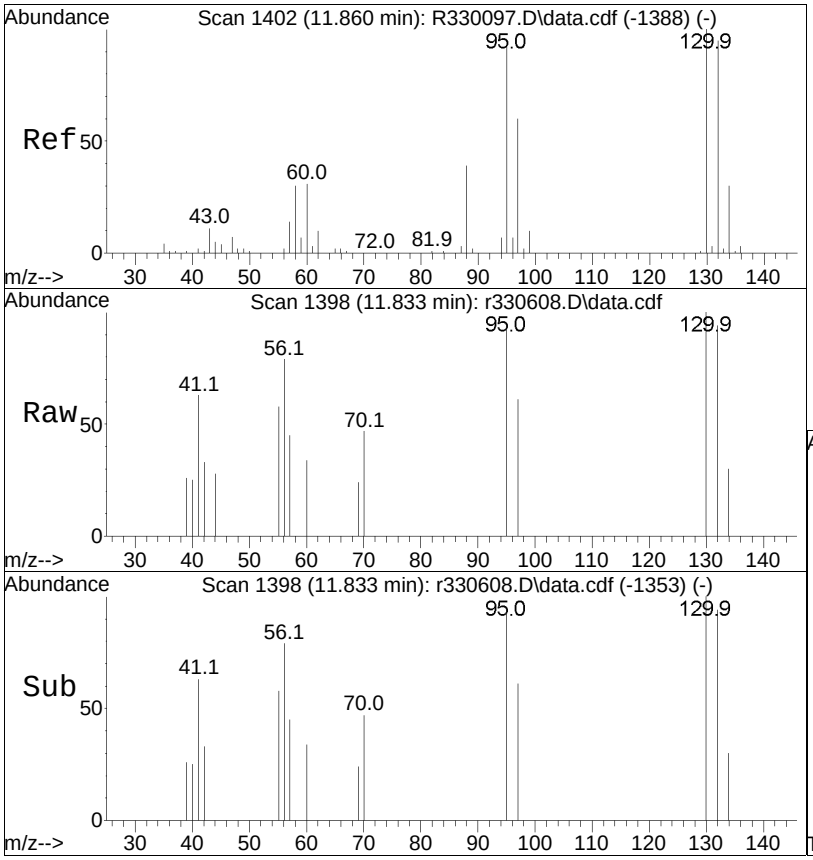


#53
cyclohexane
Concen: 0.19 ppbV
RT: 10.913 min Scan# 1260
Delta R.T. -0.027 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion: 56 Resp: 9006

Ion	Ratio	Lower	Upper
56	100		
84	74.0	67.4	101.2
41	45.4	46.4	69.6#

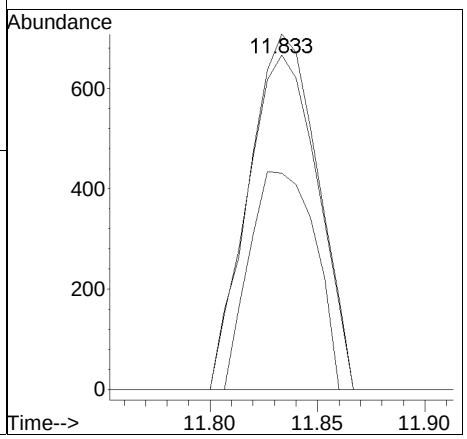


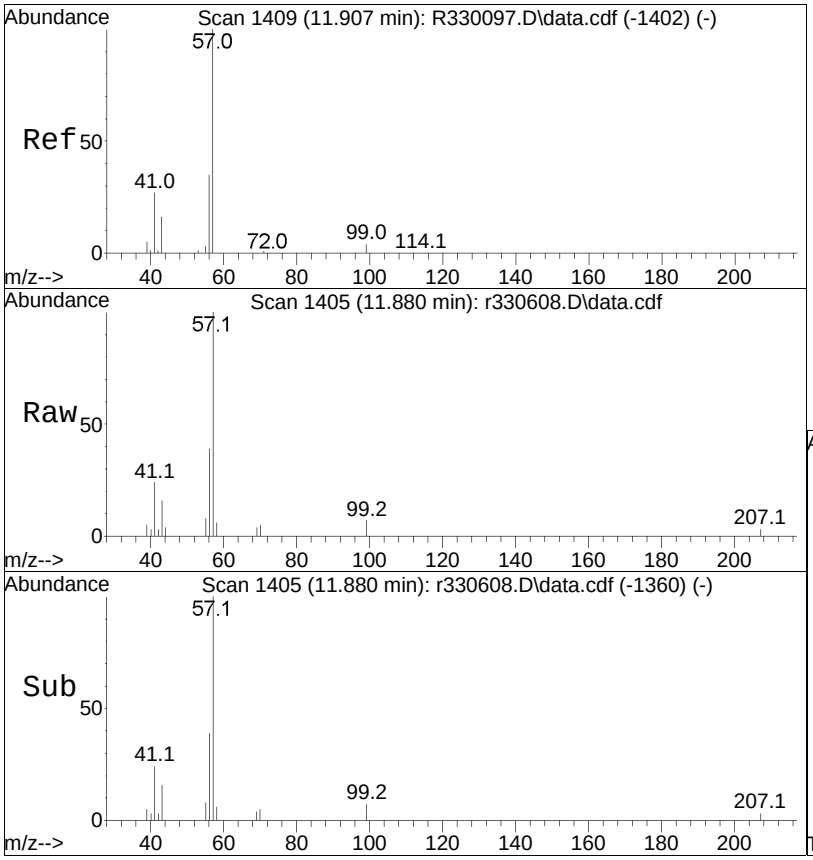


#59
trichloroethene
Concen: 0.05 ppbV
RT: 11.833 min Scan# 1398
Delta R.T. -0.027 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion:130 Resp: 1583

Ion	Ratio	Lower	Upper
130	100		
132	94.1	76.3	114.5
97	60.9	47.8	71.6

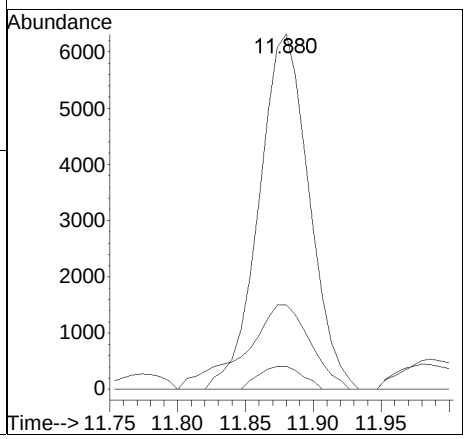


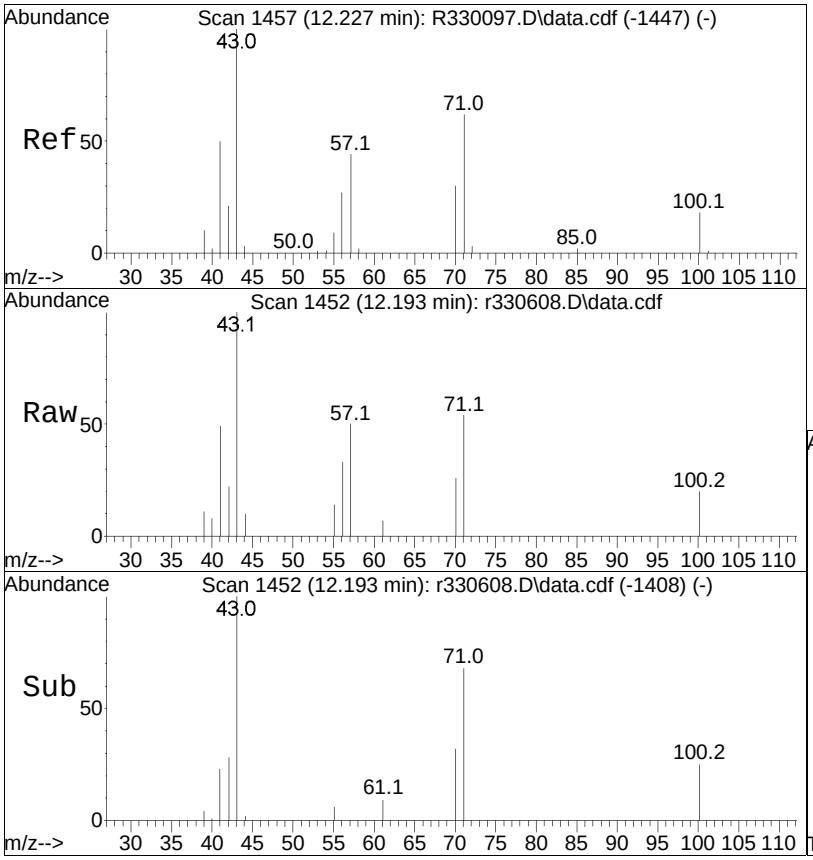


#60
2,2,4-trimethylpentane
Concen: 0.11 ppbV
RT: 11.880 min Scan# 1405
Delta R.T. -0.027 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion: 57 Resp: 16224

Ion	Ratio	Lower	Upper
57	100		
99	6.5	5.3	7.9
41	23.9	21.4	32.0

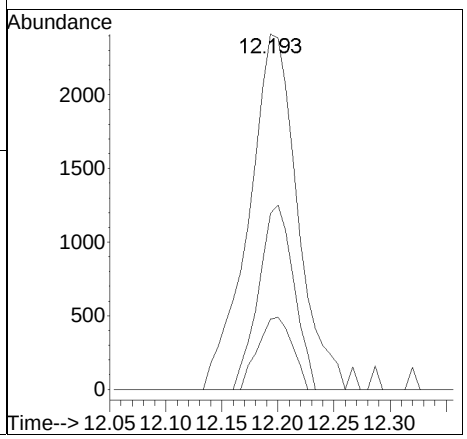


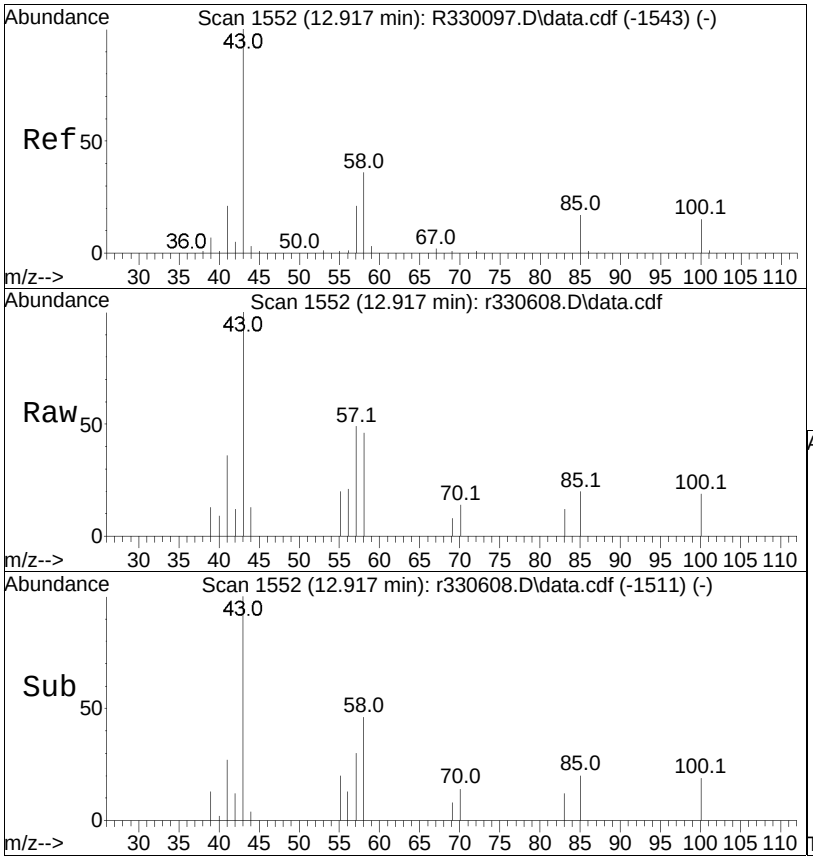


#62
heptane
Concen: 0.12 ppbV
RT: 12.193 min Scan# 1452
Delta R.T. -0.033 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion: 43 Resp: 7362

Ion	Ratio	Lower	Upper
43	100		
57	49.6	34.9	52.3
100	19.8	14.9	22.3

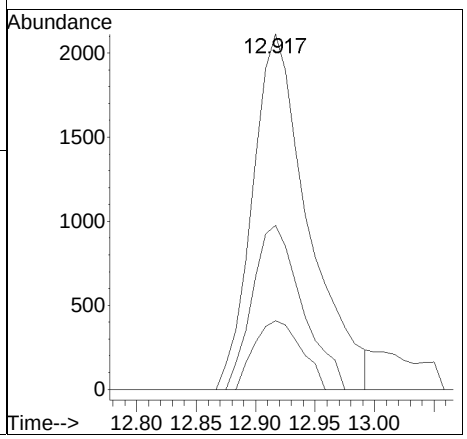


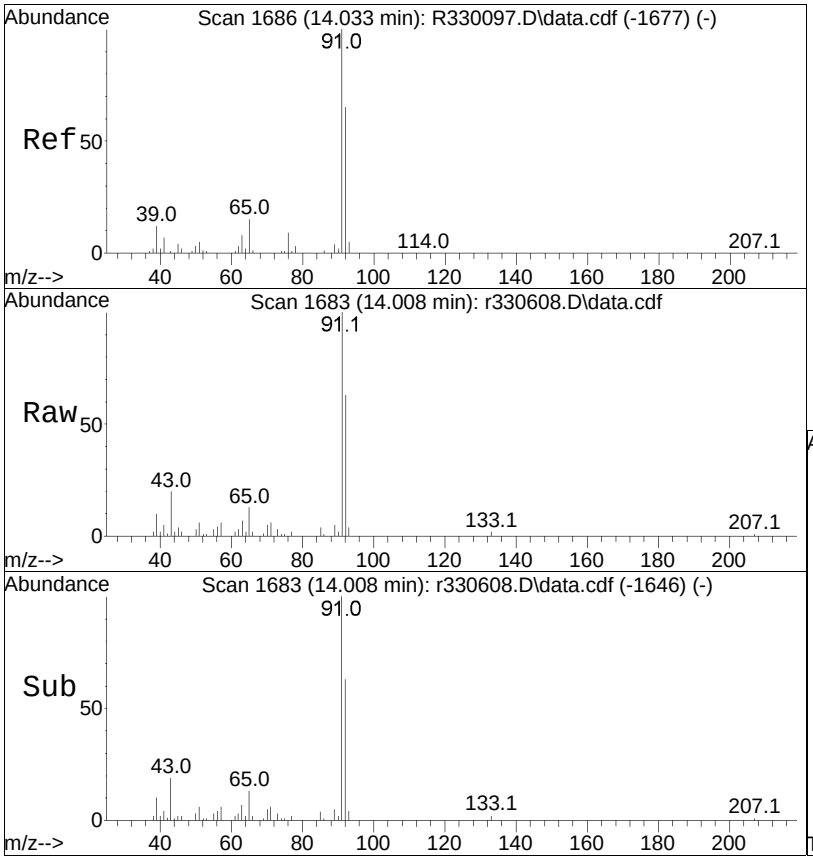


#64
4-methyl-2-pentanone
Concen: 0.09 ppbV m
RT: 12.917 min Scan# 1552
Delta R.T. 0.000 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion: 43 Resp: 6907

Ion	Ratio	Lower	Upper
43	100		
58	46.2	29.1	43.7#
100	19.4	12.2	18.4#

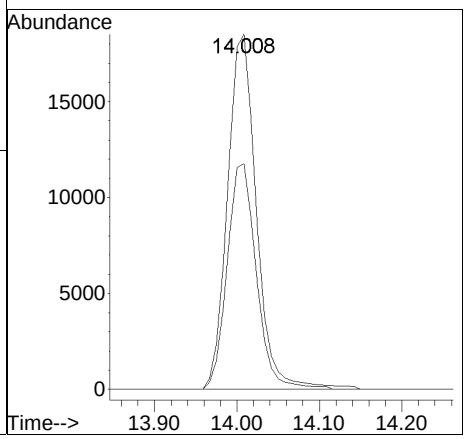


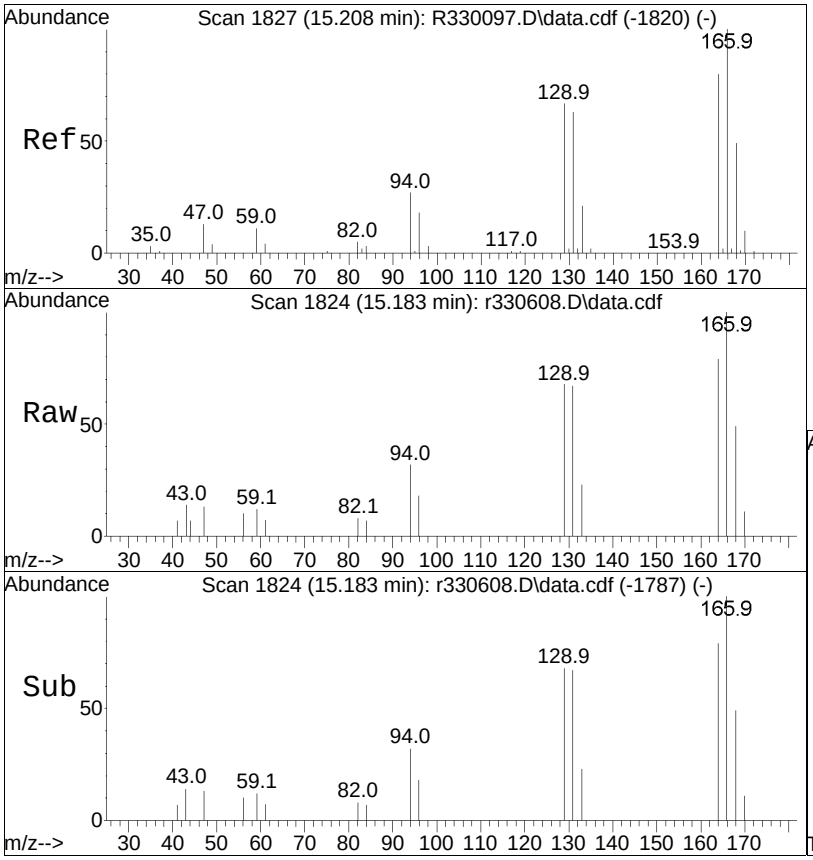


#68
toluene
Concen: 0.38 ppbV
RT: 14.008 min Scan# 1683
Delta R.T. -0.025 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion: 91 Resp: 45284

Ion	Ratio	Lower	Upper
91	100		
92	63.5	52.1	78.1

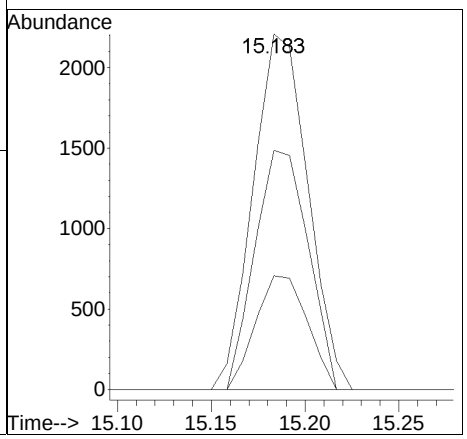


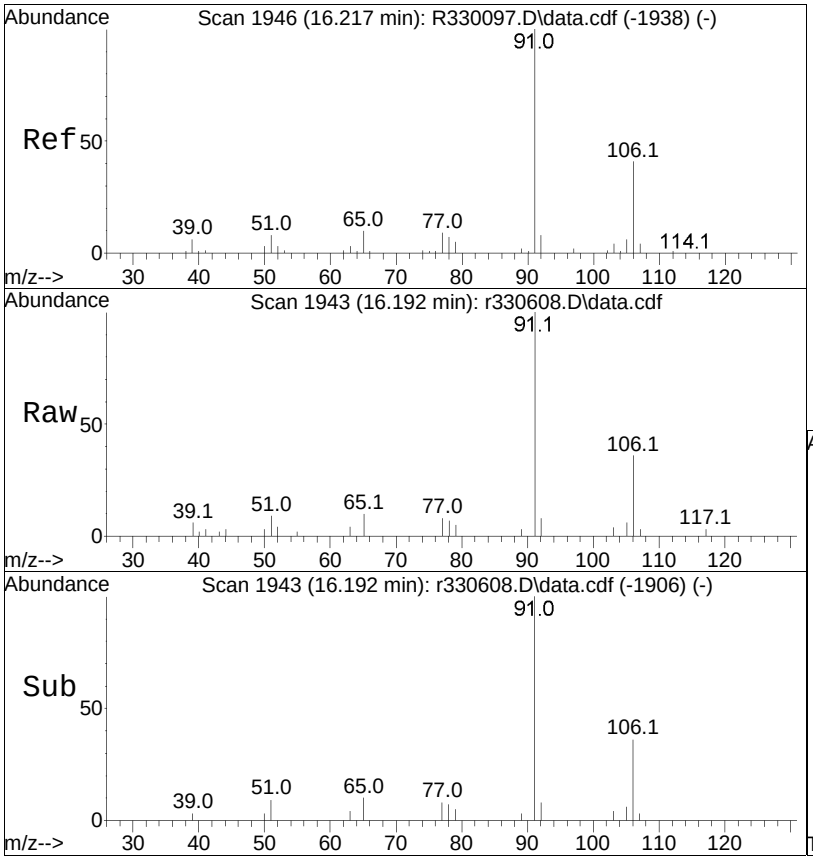


#78
tetrachloroethene
Concen: 0.08 ppbV
RT: 15.183 min Scan# 1824
Delta R.T. -0.025 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion:166 Resp: 4499

Ion	Ratio	Lower	Upper
166	100		
131	67.3	50.6	75.8
94	32.0	21.4	32.2

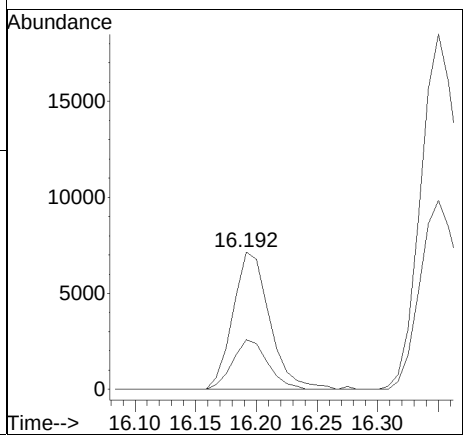


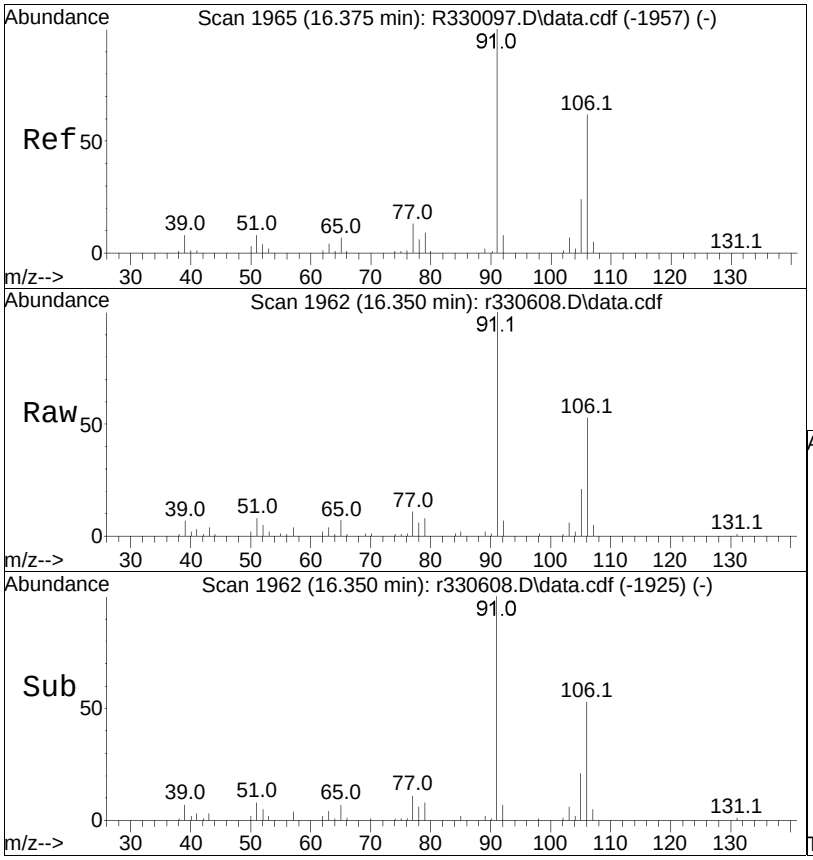


#81
ethylbenzene
Concen: 0.10 ppbV
RT: 16.192 min Scan# 1943
Delta R.T. -0.025 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion: 91 Resp: 15152

Ion	Ratio	Lower	Upper
91	100		
106	36.2	32.6	49.0

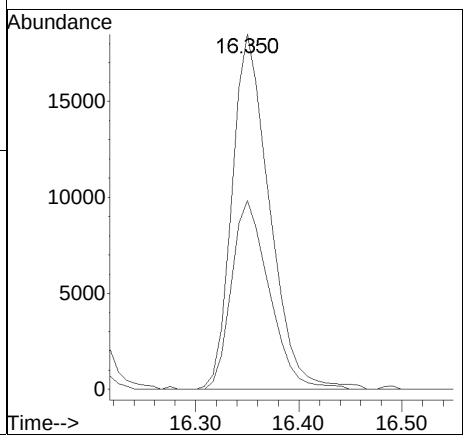


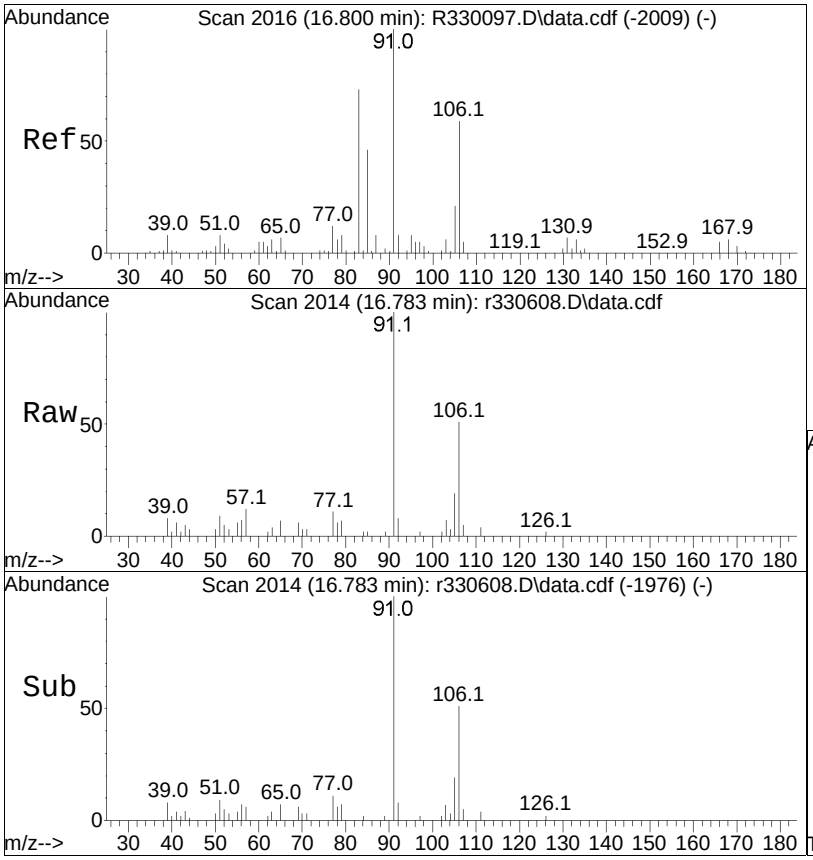


#83
m+p-xylene
Concen: 0.38 ppbV
RT: 16.350 min Scan# 1962
Delta R.T. -0.025 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion: 91 Resp: 46732

Ion	Ratio	Lower	Upper
91	100		
106	53.2	49.2	73.8

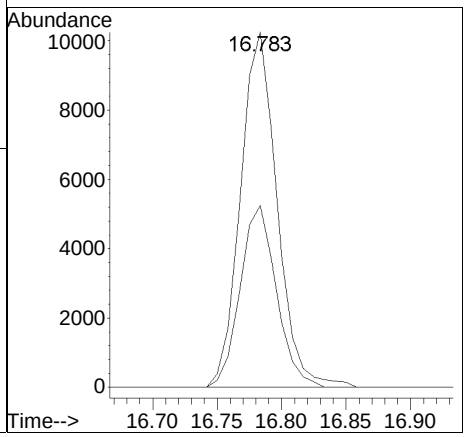


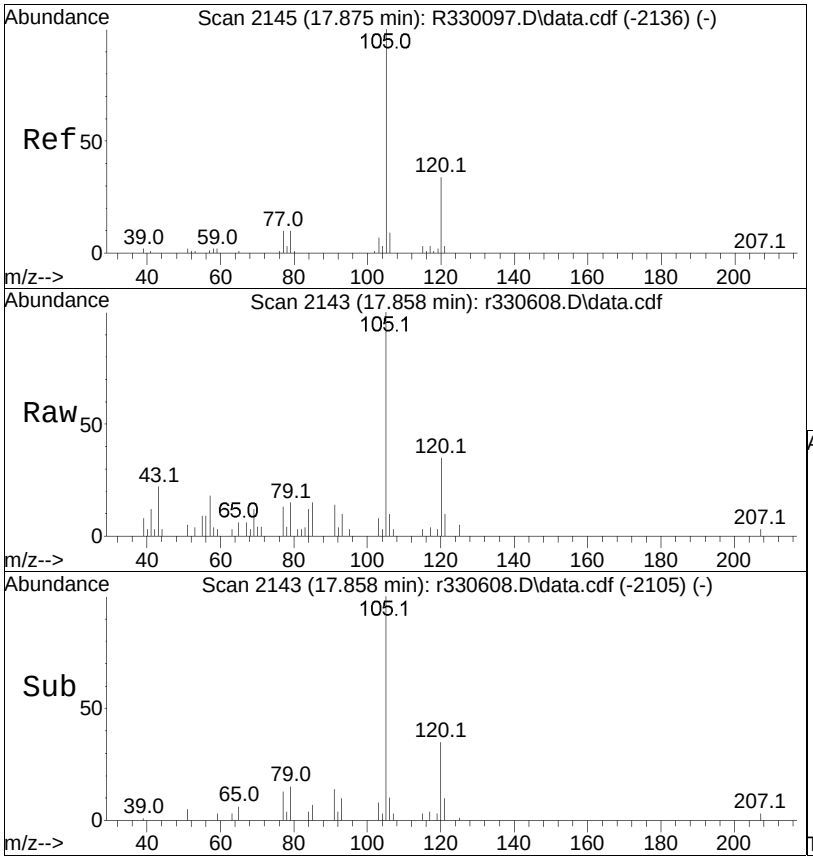


#87
o-xylene
Concen: 0.17 ppbV
RT: 16.783 min Scan# 2014
Delta R.T. -0.017 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion: 91 Resp: 20237

Ion	Ratio	Lower	Upper
91	100		
106	51.2	47.5	71.3

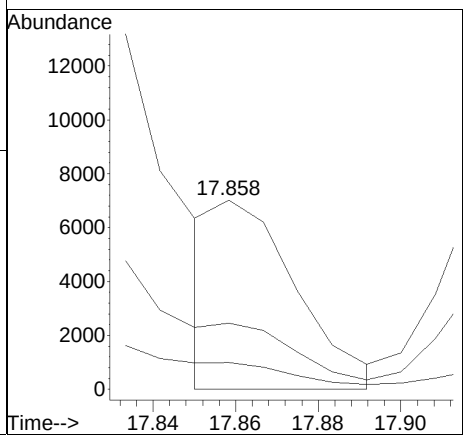


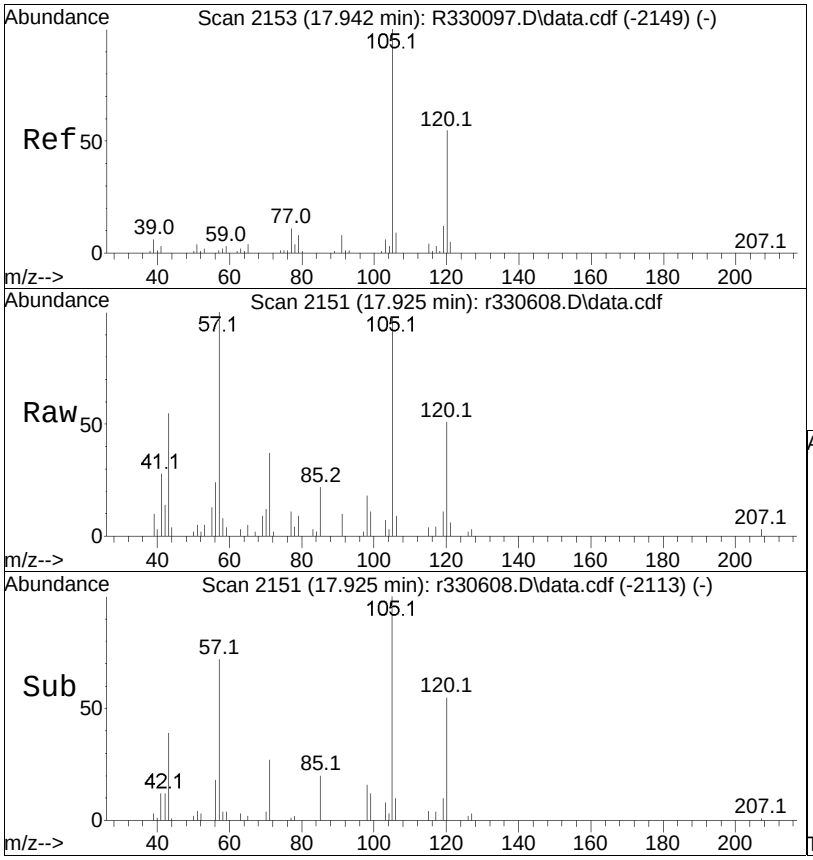


#96
4-ethyl toluene
Concen: 0.05 ppbV m
RT: 17.858 min Scan# 2143
Delta R.T. -0.017 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion:105 Resp: 9725

Ion	Ratio	Lower	Upper
105	100		
120	35.0	27.2	40.8
91	14.2	7.1	10.7#

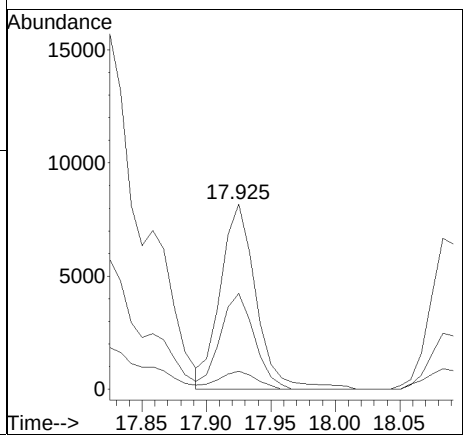


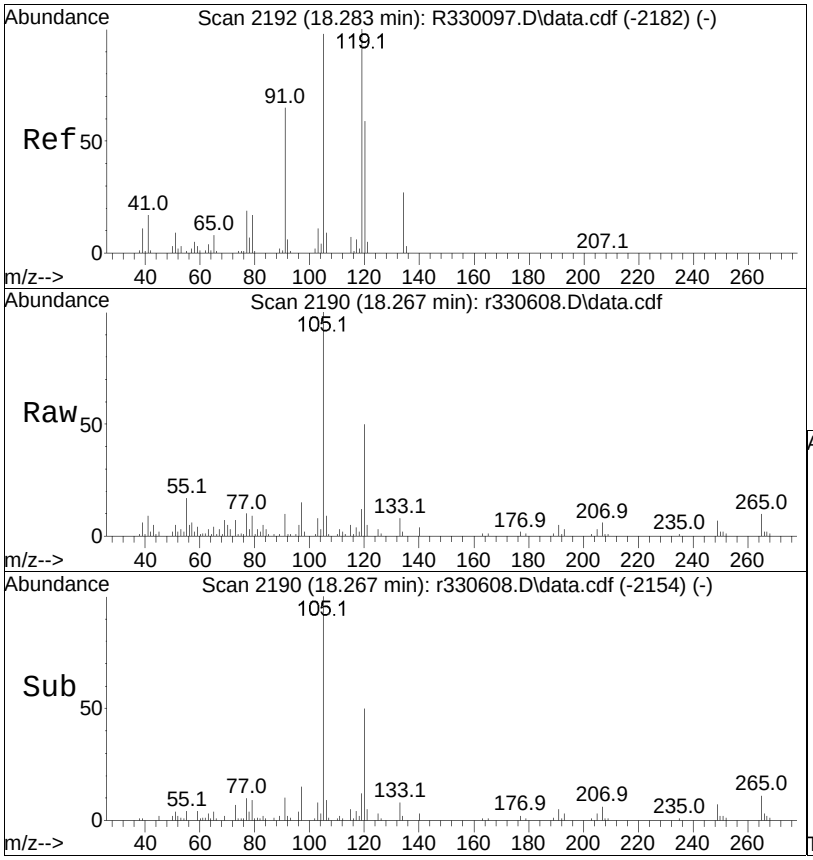


#97
1,3,5-trimethylbenzene
Concen: 0.10 ppbV
RT: 17.925 min Scan# 2151
Delta R.T. -0.017 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion:105 Resp: 15906

Ion	Ratio	Lower	Upper
105	100		
120	51.7	43.1	64.7
91	9.8	6.8	10.2

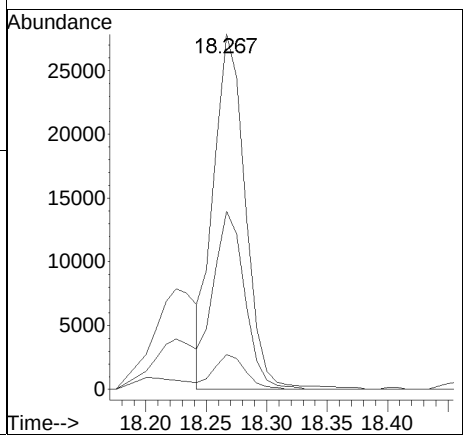


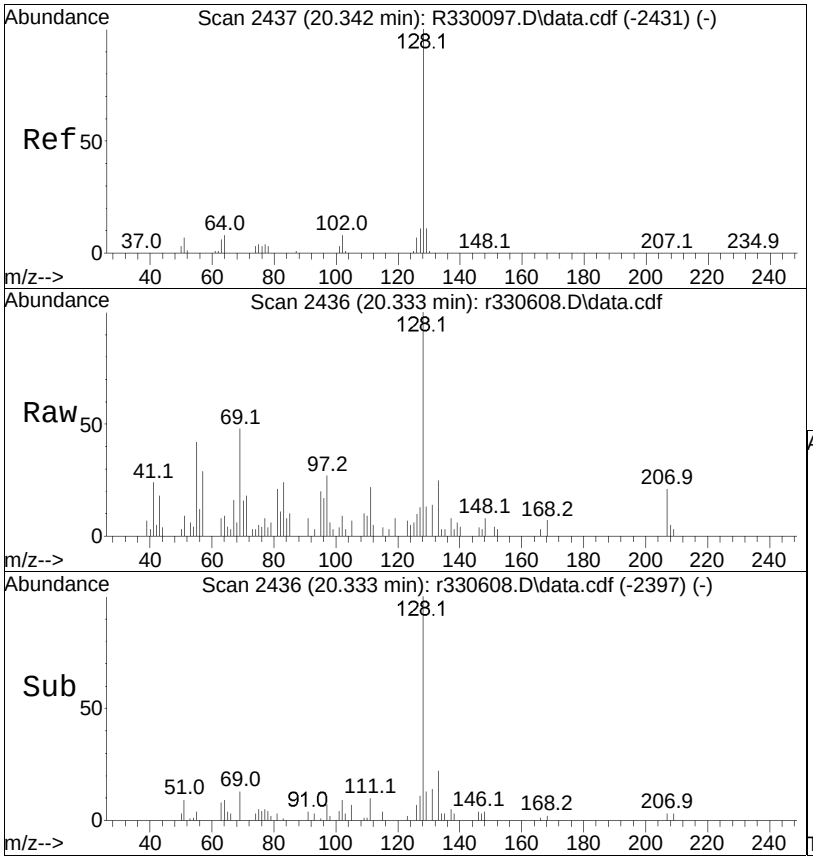


#99
1,2,4-trimethylbenzene
Concen: 0.34 ppbV m
RT: 18.267 min Scan# 2190
Delta R.T. -0.017 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion:105 Resp: 51446

Ion	Ratio	Lower	Upper
105	100		
120	50.2	47.8	71.8
91	9.8	53.4	80.0#

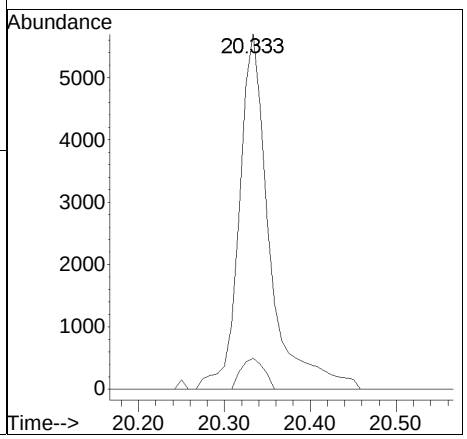




#116
naphthalene
Concen: 0.07 ppbV
RT: 20.333 min Scan# 2436
Delta R.T. -0.008 min
Lab File: r330608.D
Acq: 25 Apr 2024 6:28 AM

Tgt Ion:128 Resp: 14017

Ion	Ratio	Lower	Upper
128	100		
102	8.8	6.3	9.5

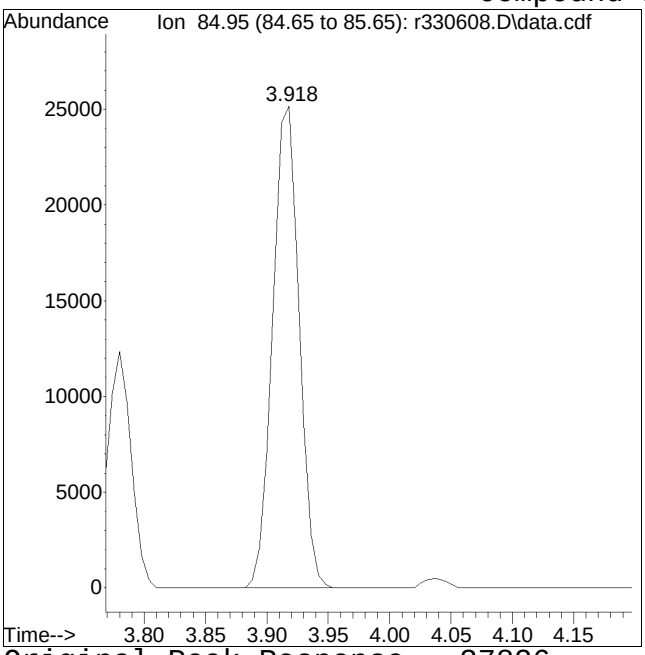


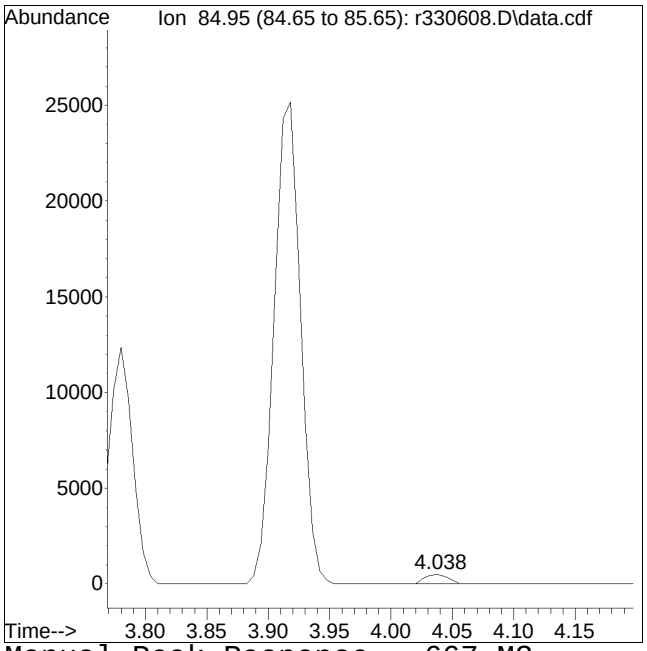
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330608.D
Date Inj'd : 4/25/2020 0:6: 8
Sample : L2419731-15,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:KJD
Instrument :
Quant Date : 4/25/2024 7:39 am

Compound #7: Freon-114





Original Peak Response = 37826 Manual Peak Response = 667 M3

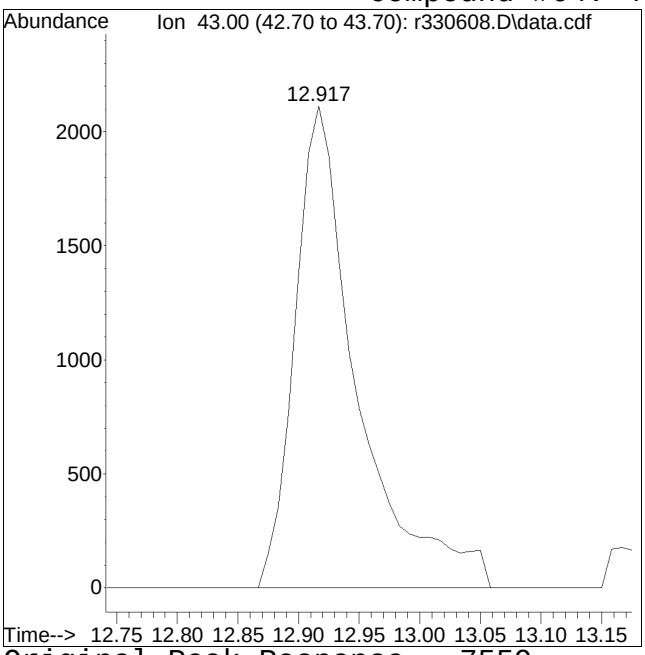
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

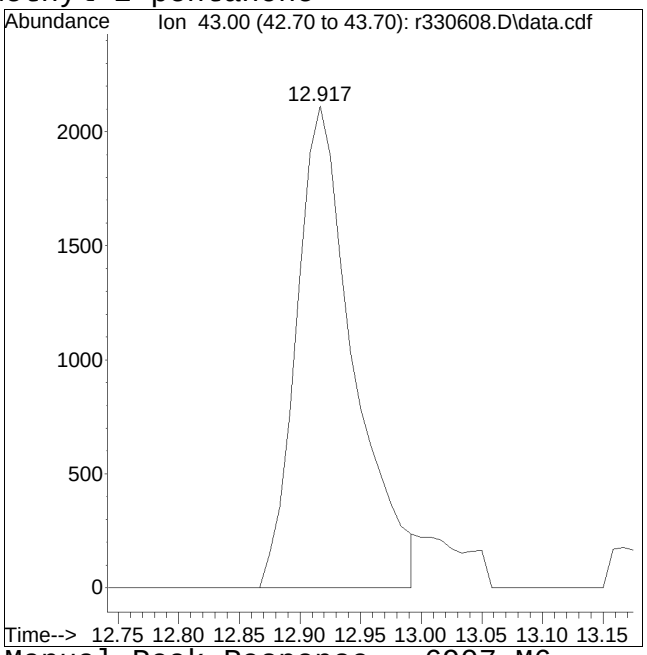
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330608.D
Date Inj'd : 4/25/2020 0:6: 8
Sample : L2419731-15,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:KJD
Instrument :
Quant Date : 4/25/2024 7:39 am

Compound #64: 4-methyl-2-pentanone



Original Peak Response = 7559



Manual Peak Response = 6907 M6

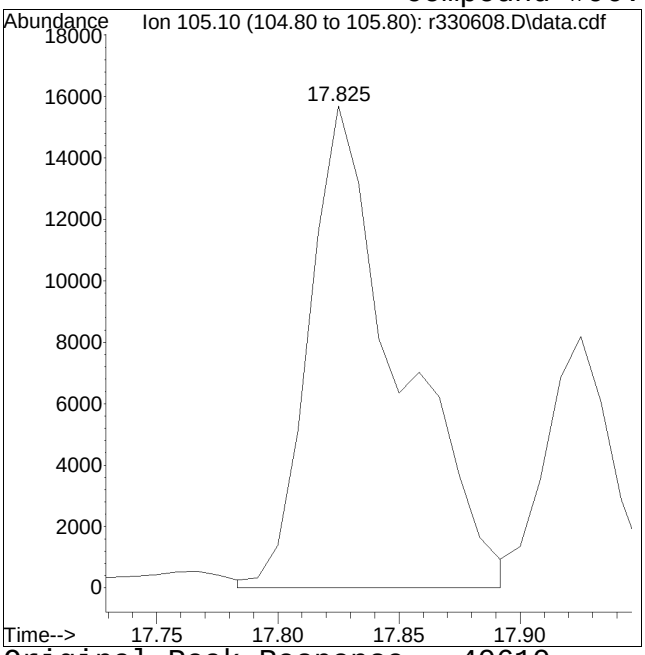
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

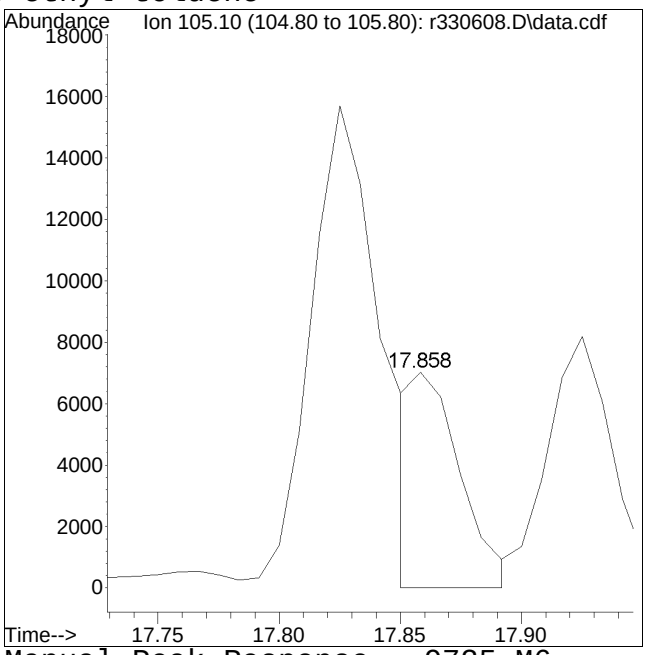
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330608.D
Date Inj'd : 4/25/2020 0:6: 8
Sample : L2419731-15,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:KJD
Instrument :
Quant Date : 4/25/2024 7:39 am

Compound #96: 4-ethyl toluene



Original Peak Response = 40610



Manual Peak Response = 9725 M6

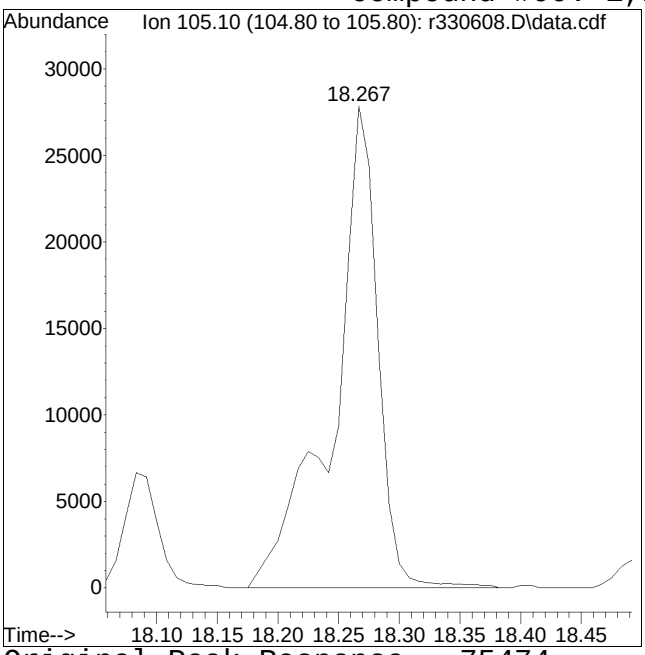
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

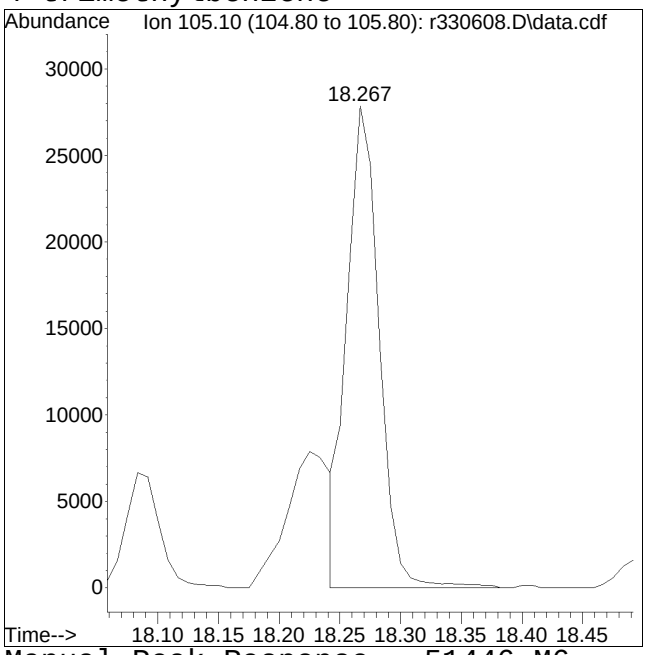
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330608.D
Date Inj'd : 4/25/2020 0:6: 8
Sample : L2419731-15,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:KJD
Instrument :
Quant Date : 4/25/2024 7:39 am

Compound #99: 1,2,4-trimethylbenzene



Original Peak Response = 75474



Manual Peak Response = 51446 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330609.D
Acq On : 25 Apr 2024 7:08 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-16,3,250,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:40:52 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.792	49	353223	10.000	ppbV	-0.03
Standard Area = 349686			Recovery = 101.01%			
43) 1,4-difluorobenzene	11.027	114	1206795	10.000	ppbV	-0.03
Standard Area = 1160525			Recovery = 103.99%			
67) chlorobenzene-D5	15.792	54	175430	10.000	ppbV	-0.03
Standard Area = 168249			Recovery = 104.27%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.780	85	16310	0.424	ppbV	99
6) chloromethane	3.936	50	10333M6	0.537	ppbV	
7) Freon-114	4.038		0	N.D.		
9) vinyl chloride	4.152	62	1416	0.066	ppbV	97
10) 1,3-butadiene	0.000		0	N.D.	d	
13) bromomethane	4.560		0	N.D.		
14) chloroethane	4.740	64	1149	0.104	ppbV	91
15) ethanol	4.872	31	2669884	220.973	ppbV	85
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.363	43	9573299	249.026	ppbV #	75
21) trichlorofluoromethane	5.557	101	9871	0.252	ppbV	99
22) isopropyl alcohol	5.653	45	311472	6.078	ppbV #	96
26) 1,1-dichloroethene	0.000		0	N.D.	d	
27) tertiary butyl alcohol	6.304	59	190136	3.736	ppbV	94
28) methylene chloride	6.394	49	17478	0.618	ppbV	99
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	6.682	76	71640	0.814	ppbV	98
31) Freon 113	6.688	101	3678	0.080	ppbV	96
32) trans-1,2-dichloroethene	0.000		0	N.D.		
33) 1,1-dichloroethane	0.000		0	N.D.	d	
34) MTBE	0.000		0	N.D.	d	
36) 2-butanone	8.100	43	711772	10.827	ppbV #	95
37) cis-1,2-dichloroethene	0.000		0	N.D.		
38) Ethyl Acetate	8.883	61	22749	2.311	ppbV	61
39) chloroform	8.950	83	5414	0.124	ppbV	99
40) Tetrahydrofuran	9.392	42	152898	3.603	ppbV	95
42) 1,2-dichloroethane	9.783	62	12550	0.449	ppbV	96
44) hexane	8.858	57	302052	6.672	ppbV #	1

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330609.D
Acq On : 25 Apr 2024 7:08 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-16,3,250,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:40:52 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,1-trichloroethane	10.067	97	3743	0.103	ppbV	99
50) benzene	10.593	78	217518	2.124	ppbV #	93
52) carbon tetrachloride	10.773	117	2792	0.084	ppbV	100
53) cyclohexane	10.913	56	33360	0.694	ppbV #	86
56) 1,2-dichloropropane	11.547		0	N.D.		
57) bromodichloromethane	0.000		0	N.D.	d	
58) 1,4-dioxane	11.860	88	724	0.036	ppbV #	1
59) trichloroethene	11.827		0	N.D.		
60) 2,2,4-trimethylpentane	0.000		0	N.D.	d	
62) heptane	12.200	43	40194	0.612	ppbV #	83
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.900	43	28720	0.371	ppbV #	85
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	14.000	91	243208	1.947	ppbV	99
72) 2-hexanone	0.000		0	N.D.	d	
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
78) tetrachloroethene	15.183	166	5014	0.089	ppbV	93
80) chlorobenzene	0.000		0	N.D.	d	
81) ethylbenzene	16.192	91	80326	0.511	ppbV	92
83) m+p-xylene	16.342	91	247972	1.969	ppbV	91
84) bromoform	0.000		0	N.D.		
85) styrene	16.683	104	18743	0.165	ppbV	93
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	d	
87) o-xylene	16.775	91	97839	0.784	ppbV	91
96) 4-ethyl toluene	17.858	105	37594M3	0.202	ppbV	
97) 1,3,5-trimethylbenzene	17.917	105	38040	0.235	ppbV	98
99) 1,2,4-trimethylbenzene	18.267	105	112016M6	0.722	ppbV	
101) Benzyl Chloride	0.000		0	N.D.	d	
102) 1,3-dichlorobenzene	18.400		0	N.D.		
103) 1,4-dichlorobenzene	18.458		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.392	128	14290	0.072	ppbV	98
119) hexachlorobutadiene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330609.D
Acq On : 25 Apr 2024 7:08 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-16,3,250,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:40:52 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

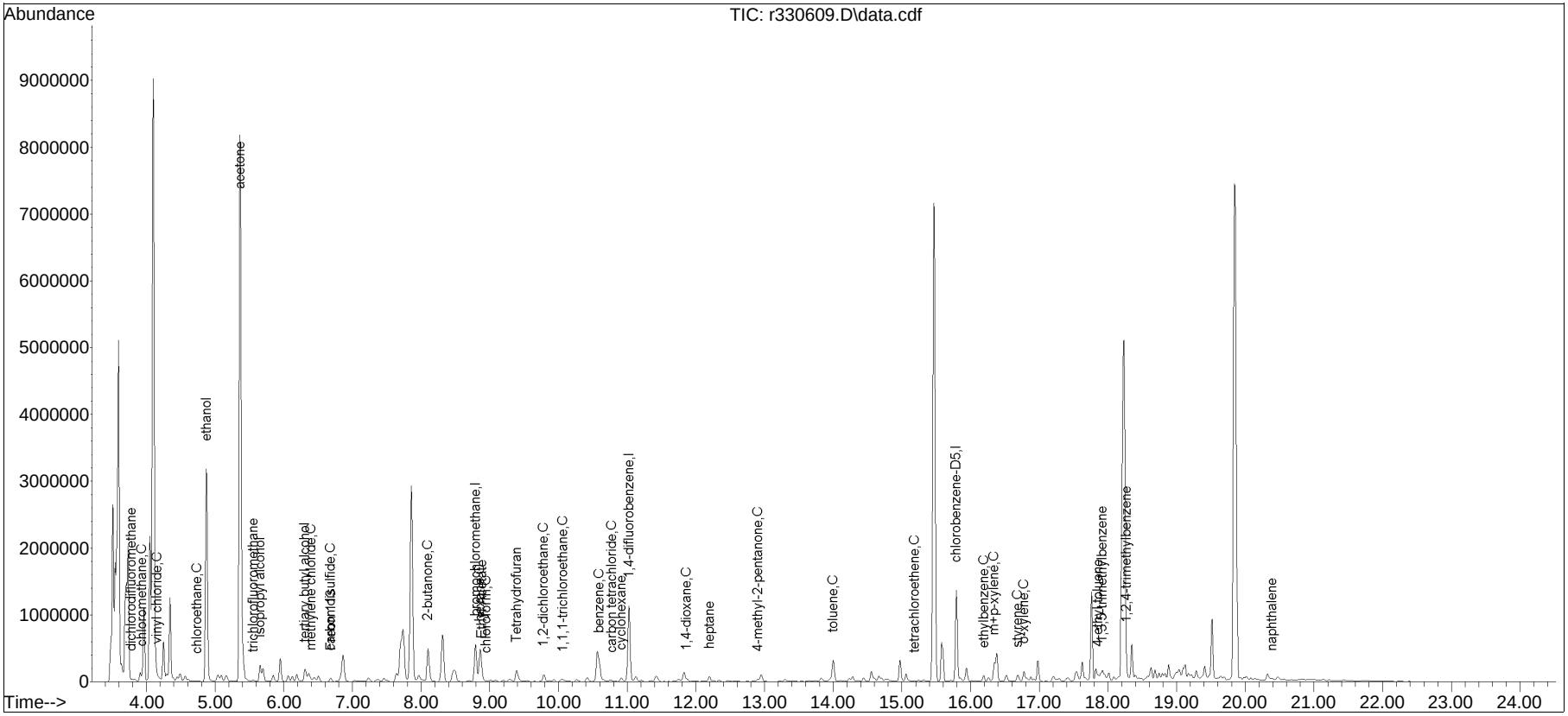
CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : TO15-NY+Naphthalene - .

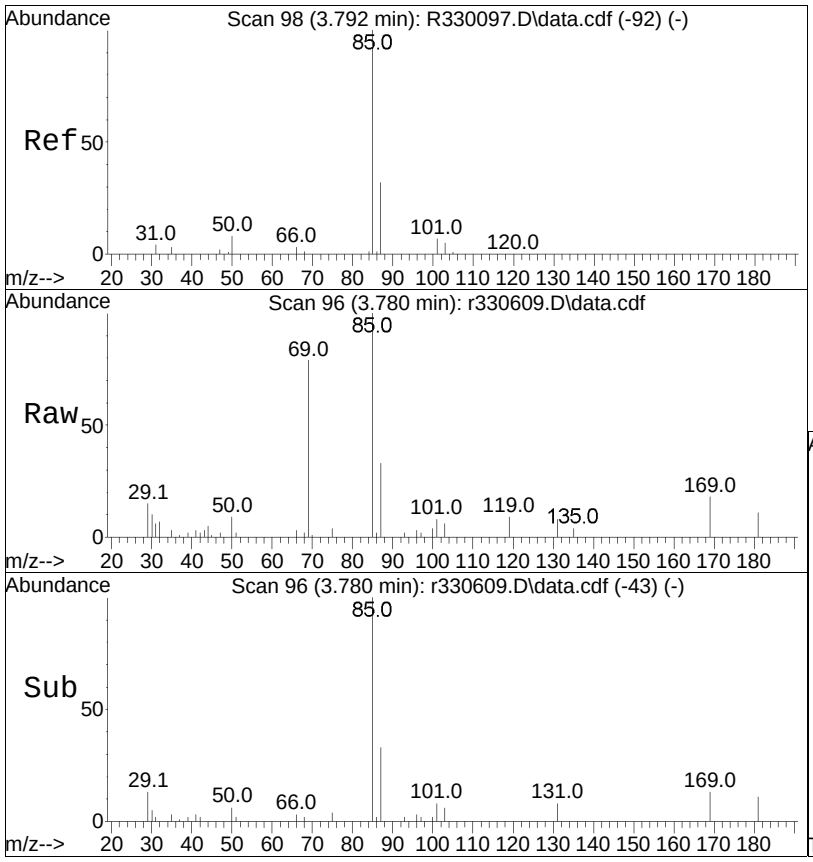
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : TO15-NY+Naphthalene - .ano3\2024\04\0424T\r330584.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330609.D
Acq On : 25 Apr 2024 7:08 AM
Operator : AIRPIANO3:KJD
Sample : L2419731-16,3,250,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:40:52 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

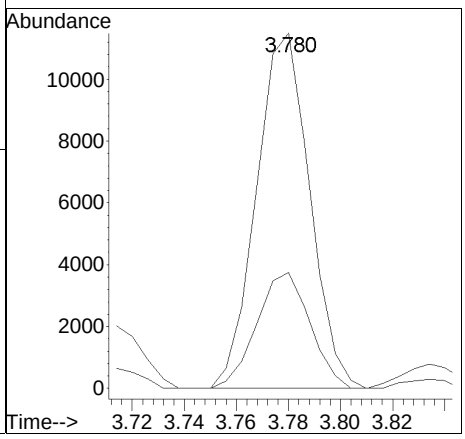


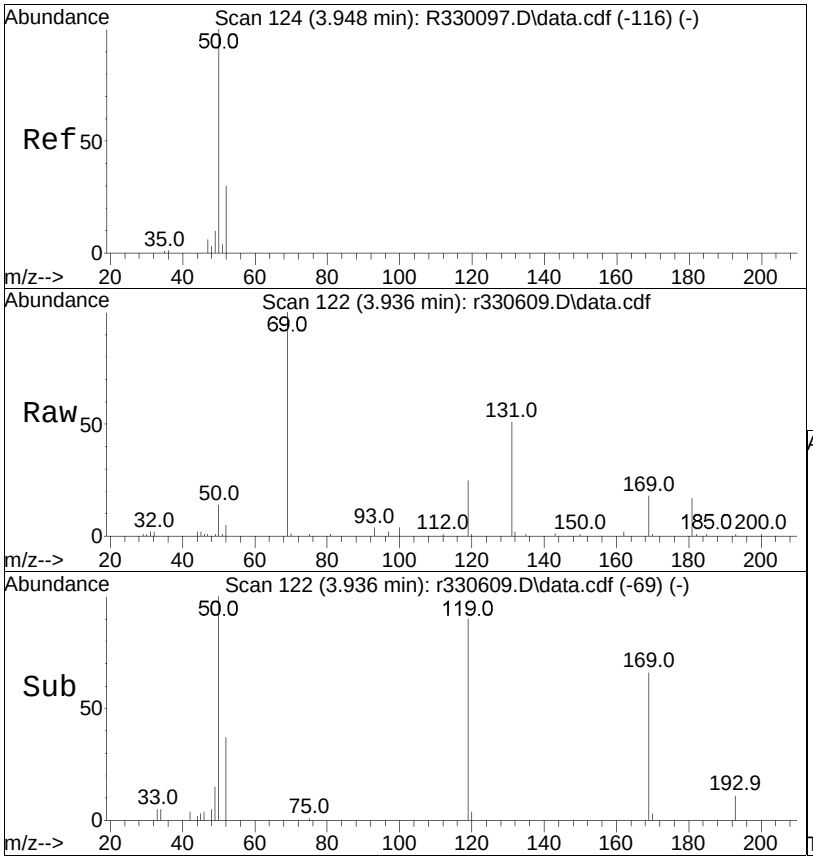


#5
dichlorodifluoromethane
Concen: 0.42 ppbV
RT: 3.780 min Scan# 96
Delta R.T. -0.012 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion: 85 Resp: 16310

Ion	Ratio	Lower	Upper
85	100		
87	32.6	25.4	38.2

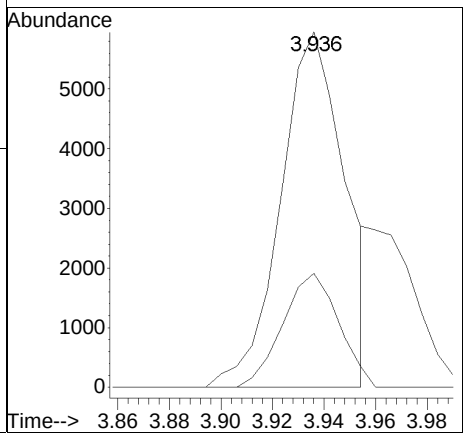


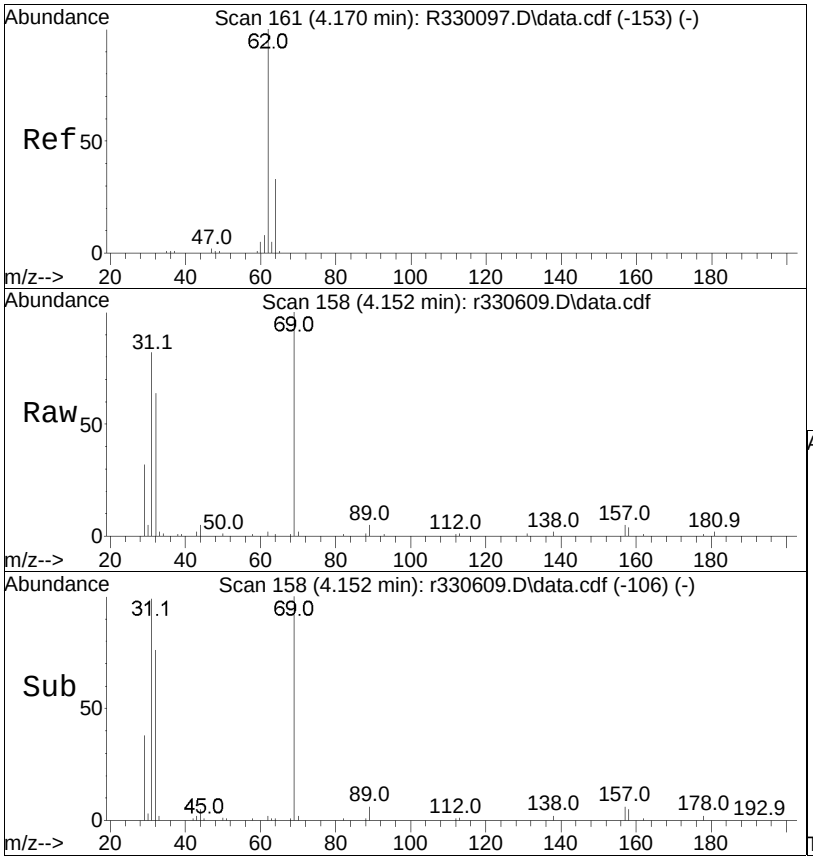


#6
chloromethane
Concen: 0.54 ppbV m
RT: 3.936 min Scan# 122
Delta R.T. -0.012 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion: 50 Resp: 10333

Ion	Ratio	Lower	Upper
50	100		
52	32.1	24.0	36.0

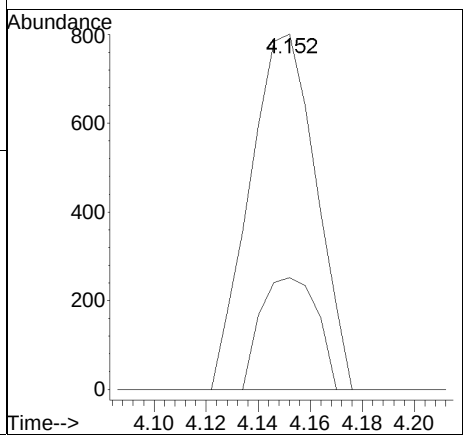


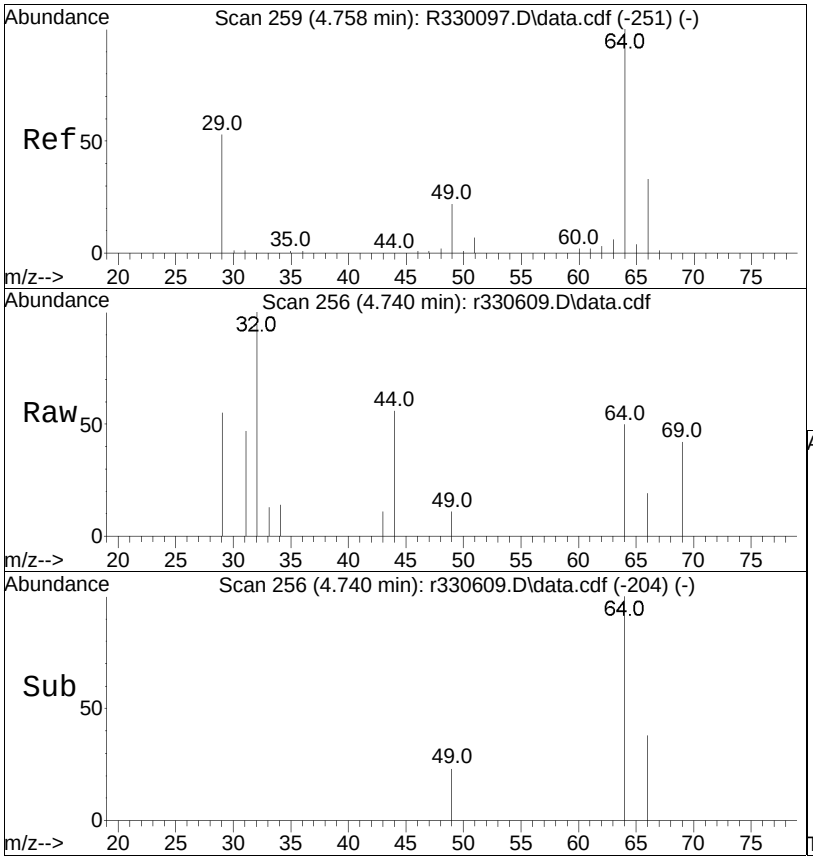


#9
vinyl chloride
Concen: 0.07 ppbV
RT: 4.152 min Scan# 158
Delta R.T. -0.018 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion: 62 Resp: 1416

Ion	Ratio	Lower	Upper
62	100		
64	31.5	26.4	39.6

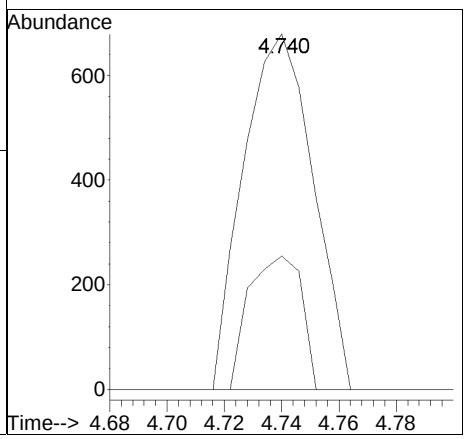


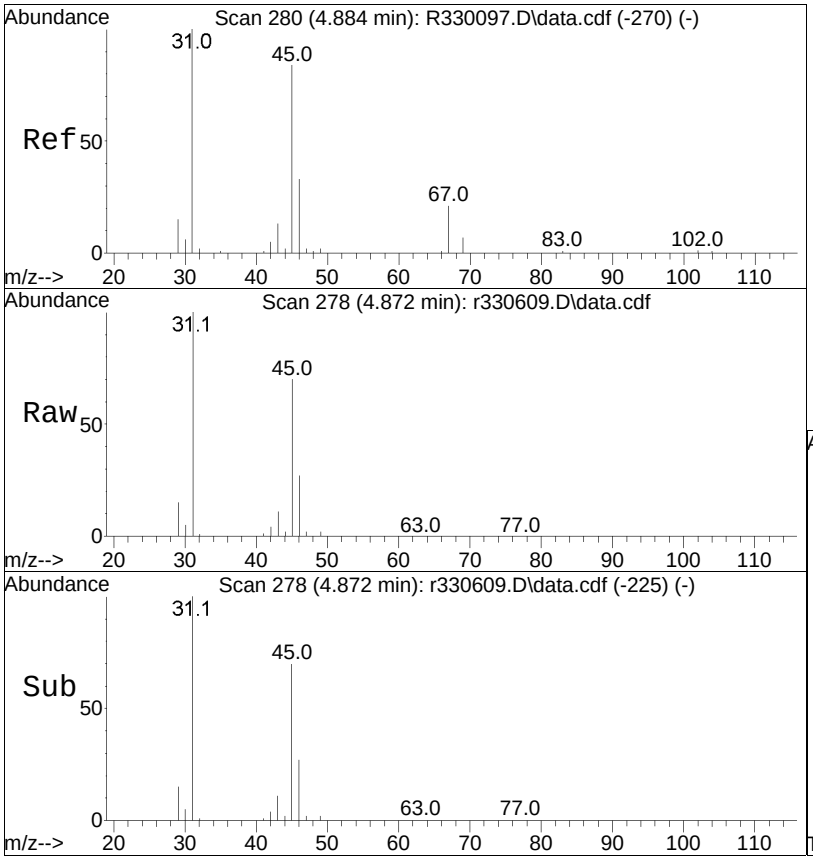


#14
chloroethane
Concen: 0.10 ppbV
RT: 4.740 min Scan# 256
Delta R.T. -0.018 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion: 64 Resp: 1149

Ion	Ratio	Lower	Upper
64	100		
66	37.6	26.2	39.2

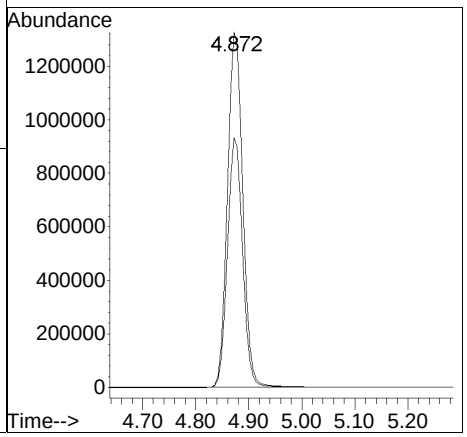


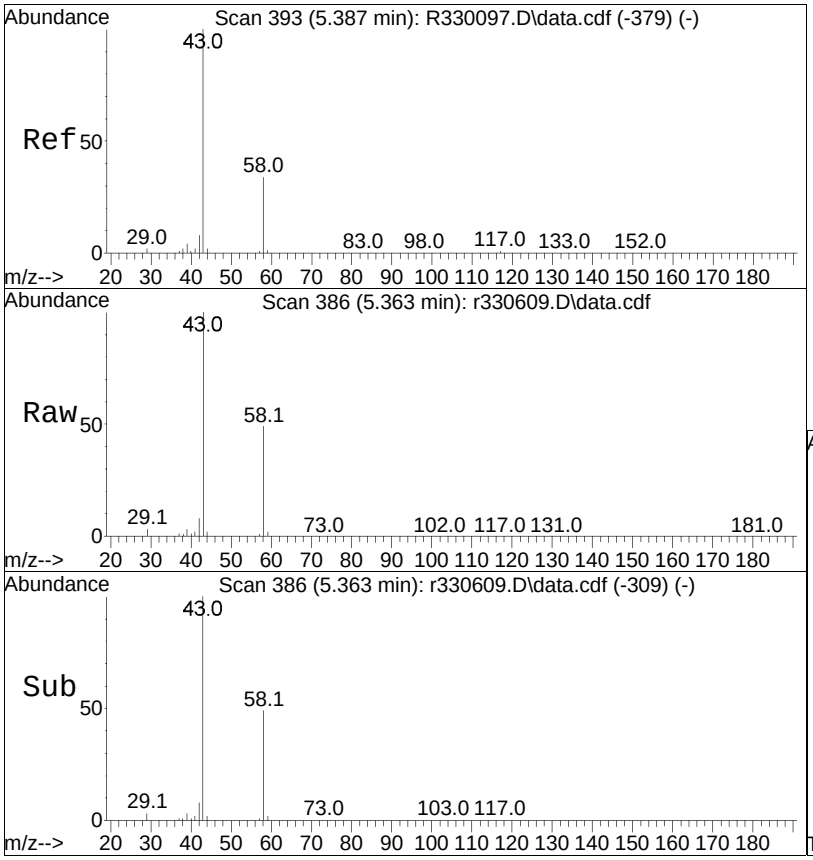


#15
ethanol
Concen: 220.97 ppbV
RT: 4.872 min Scan# 278
Delta R.T. -0.012 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion: 31 Resp: 2669884

Ion	Ratio	Lower	Upper
31	100		
45	70.4	67.5	101.3

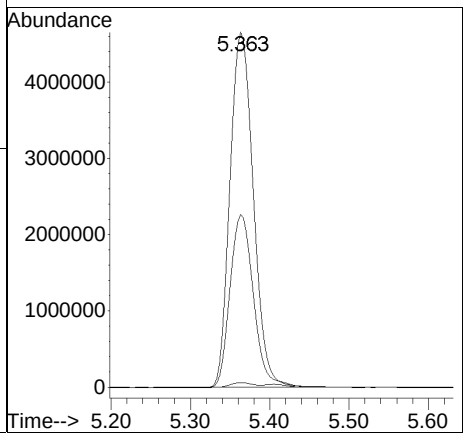


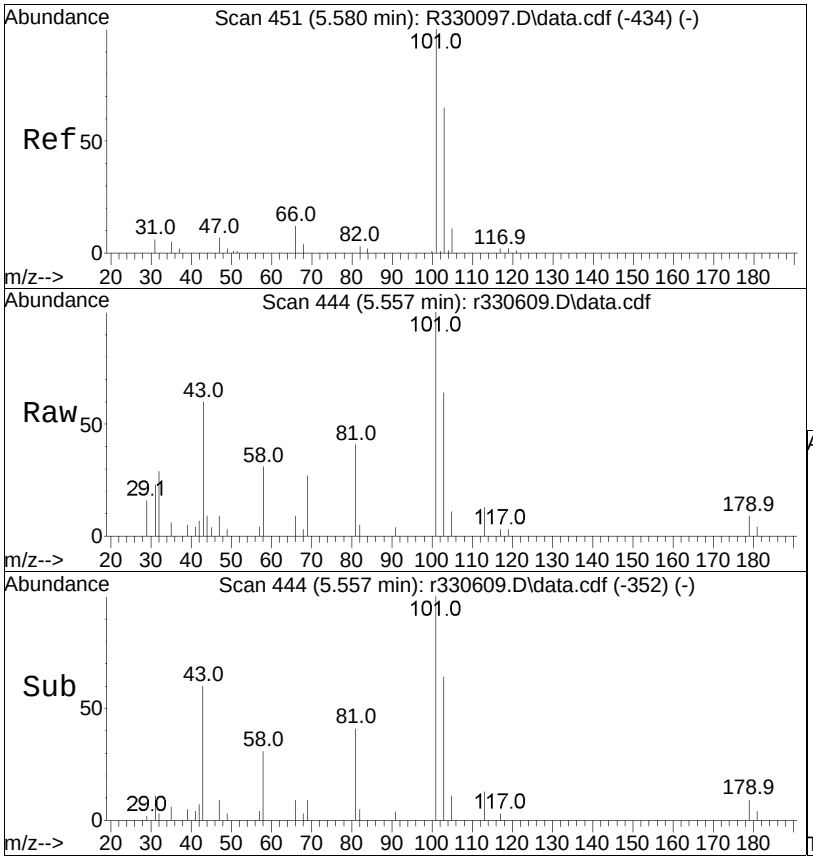


#19
acetone
Concen: 249.03 ppbV
RT: 5.363 min Scan# 386
Delta R.T. -0.024 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion: 43 Resp: 9573299

Ion	Ratio	Lower	Upper
43	100		
58	48.7	27.3	40.9#
57	1.3	0.8	1.2#

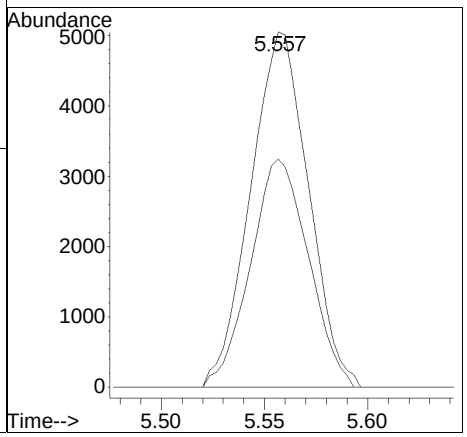


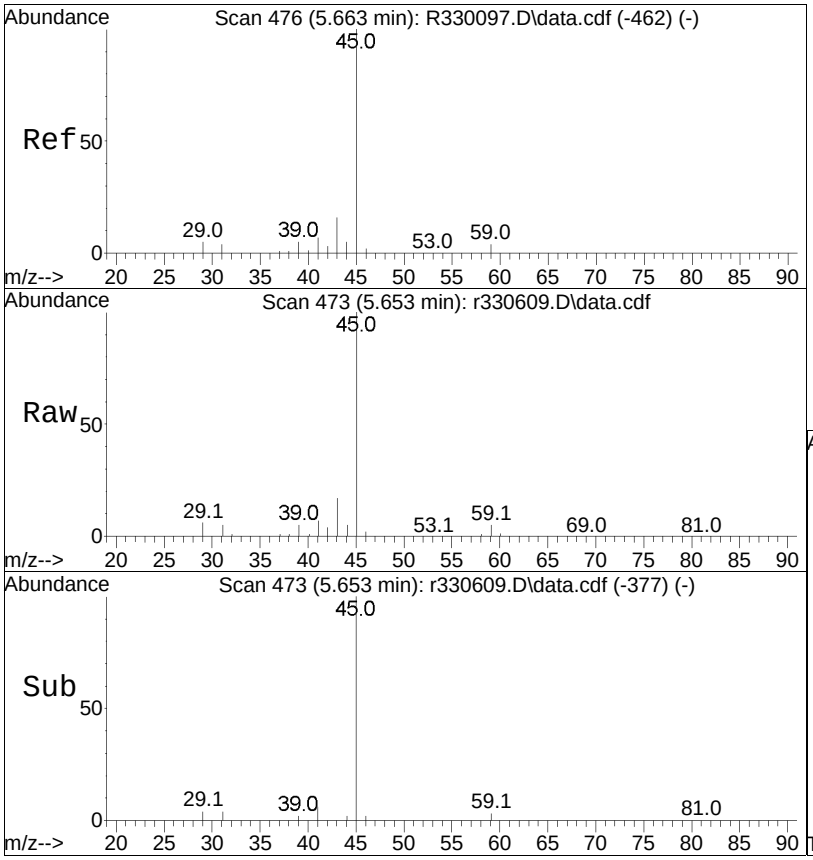


#21
trichlorofluoromethane
Concen: 0.25 ppbV
RT: 5.557 min Scan# 444
Delta R.T. -0.023 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion:101 Resp: 9871

Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.0	78.0

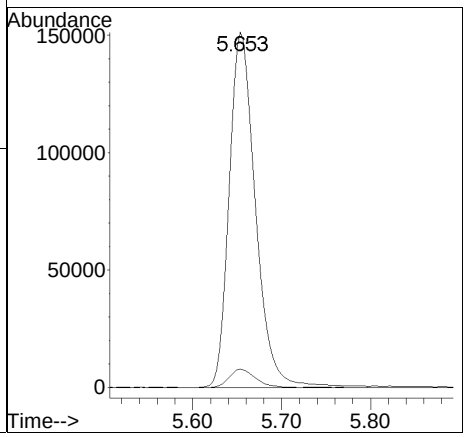


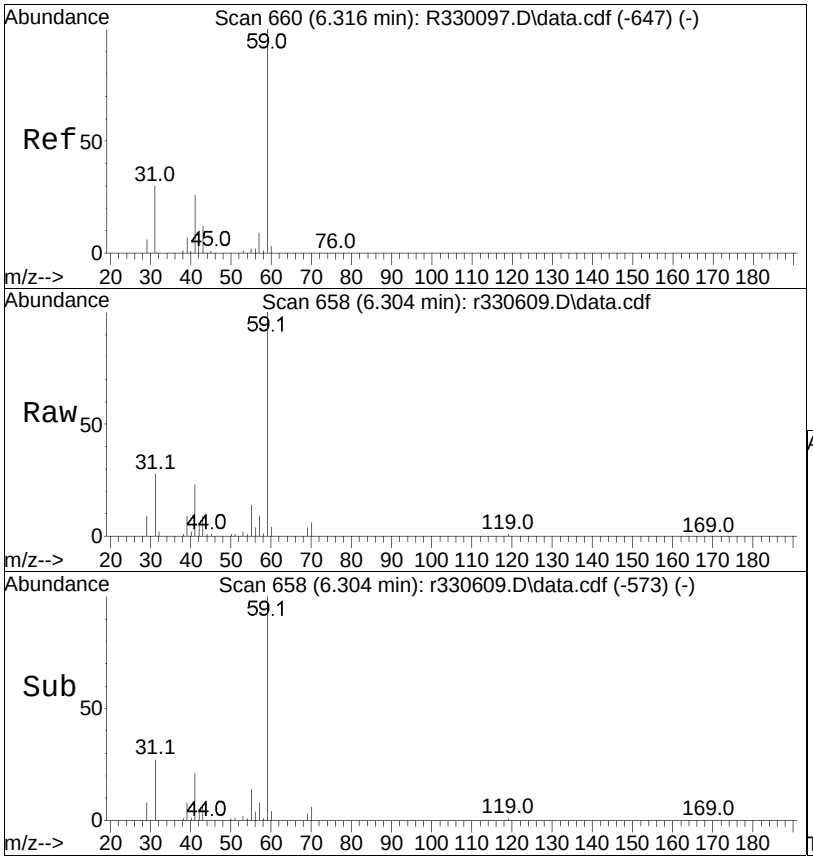


#22
isopropyl alcohol
Concen: 6.08 ppbV
RT: 5.653 min Scan# 473
Delta R.T. -0.010 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion: 45 Resp: 311472

Ion	Ratio	Lower	Upper
45	100		
59	5.2	3.0	4.4#

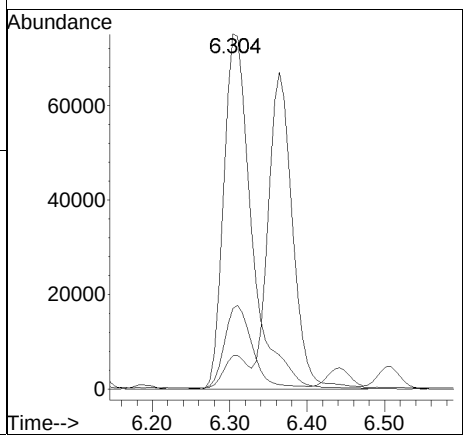


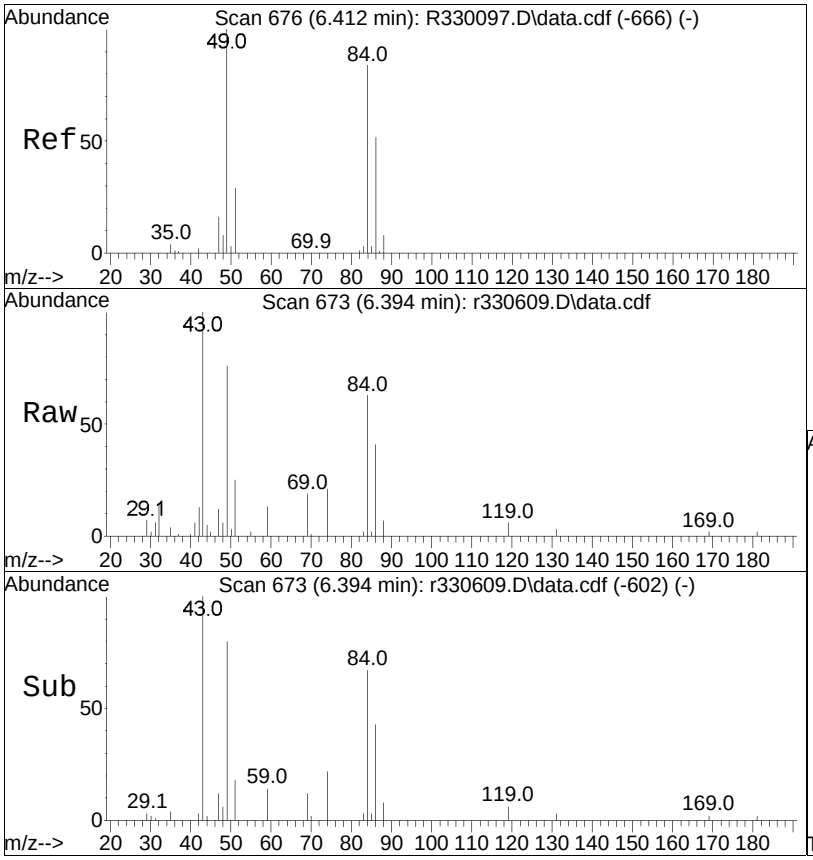


#27
tertiary butyl alcohol
Concen: 3.74 ppbV
RT: 6.304 min Scan# 658
Delta R.T. -0.012 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion: 59 Resp: 190136

Ion	Ratio	Lower	Upper
59	100		
41	22.8	20.4	30.6
43	9.5	9.4	14.0

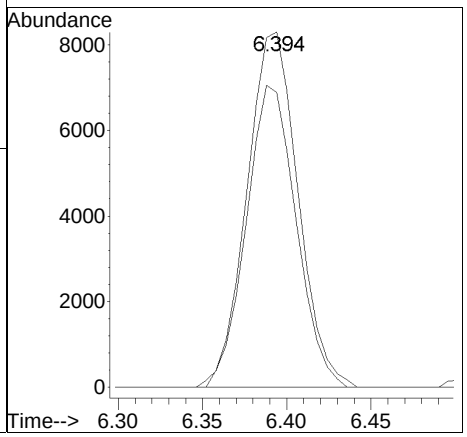


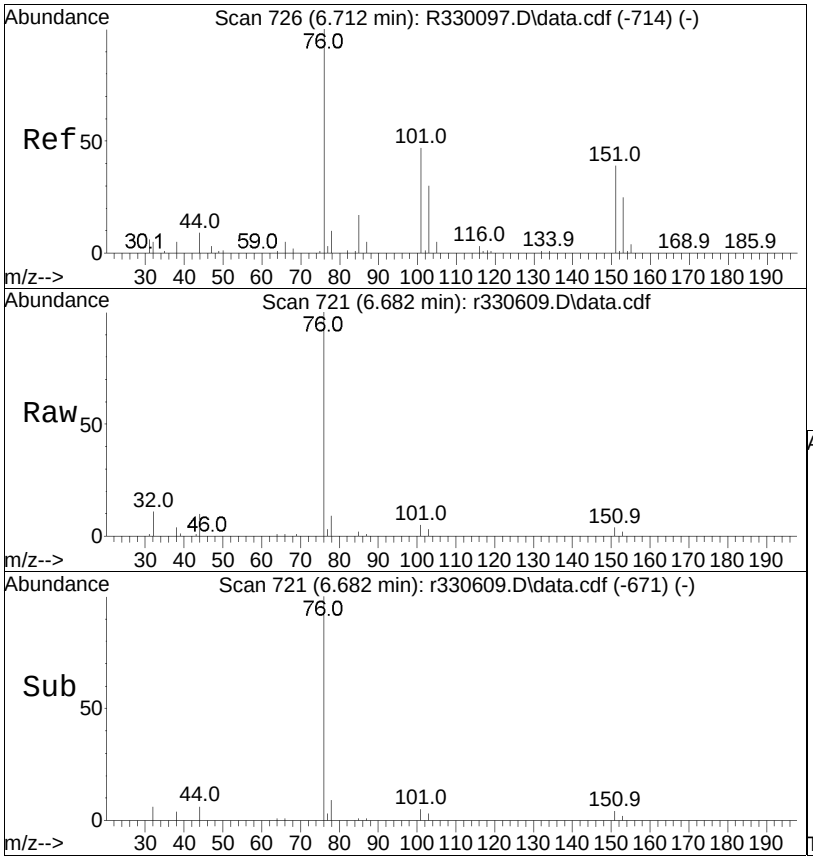


#28
methylene chloride
Concen: 0.62 ppbV
RT: 6.394 min Scan# 673
Delta R.T. -0.018 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion: 49 Resp: 17478

Ion	Ratio	Lower	Upper
49	100		
84	83.0	67.0	100.4

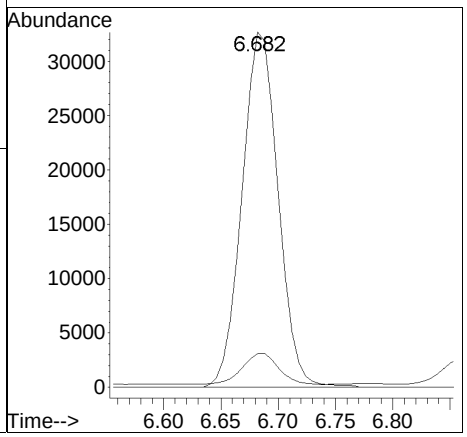


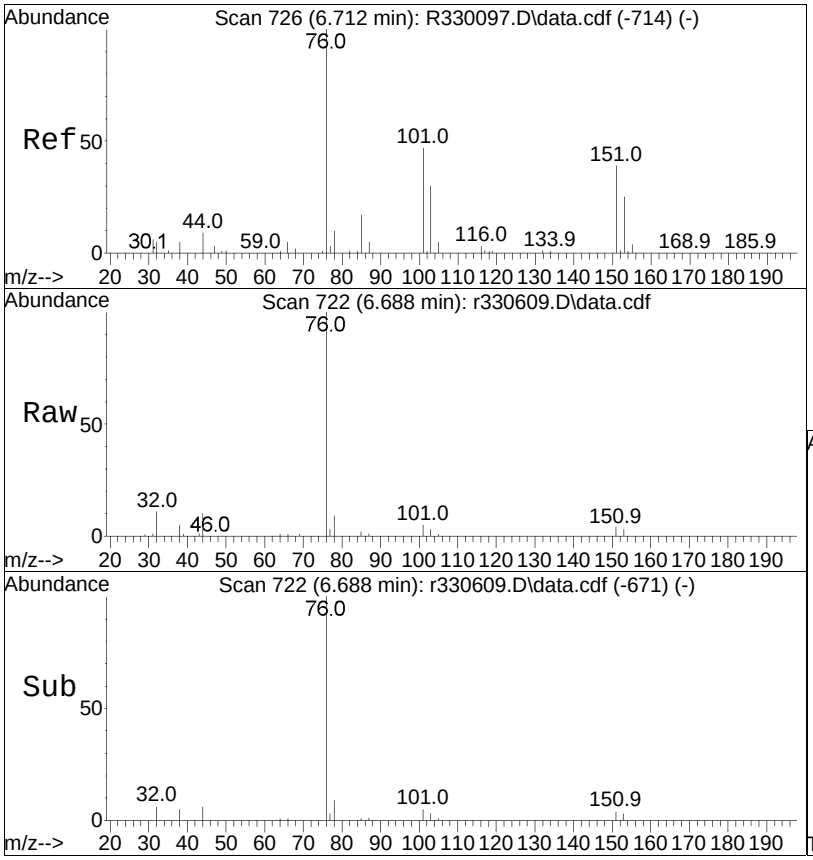


#30
carbon disulfide
Concen: 0.81 ppbV
RT: 6.682 min Scan# 721
Delta R.T. -0.030 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion: 76 Resp: 71640

Ion	Ratio	Lower	Upper
76	100		
44	9.5	7.1	10.7

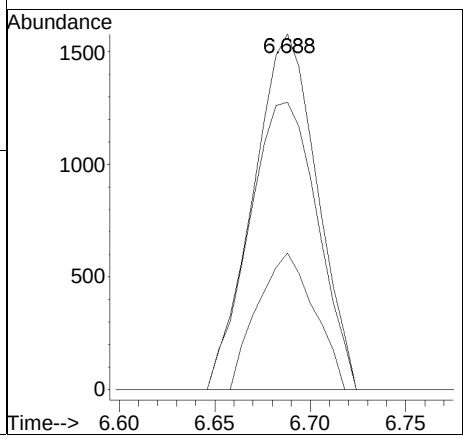


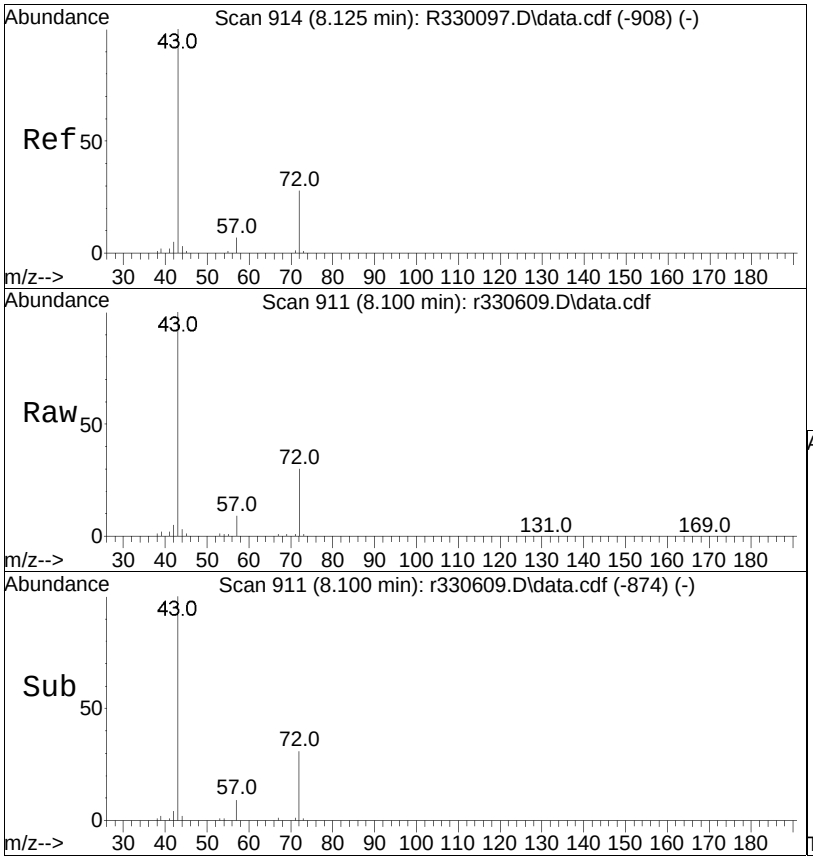


#31
Freon 113
Concen: 0.08 ppbV
RT: 6.688 min Scan# 722
Delta R.T. -0.024 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion:101 Resp: 3678

Ion	Ratio	Lower	Upper
101	100		
85	38.4	28.5	42.7
151	80.8	66.9	100.3

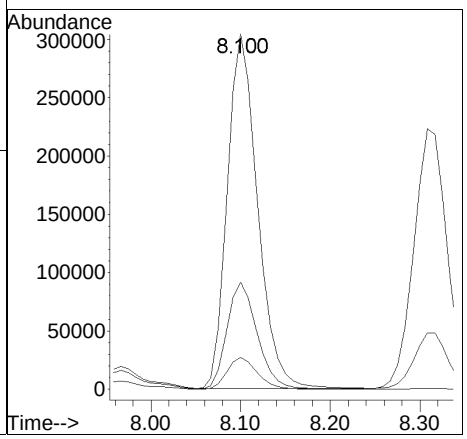


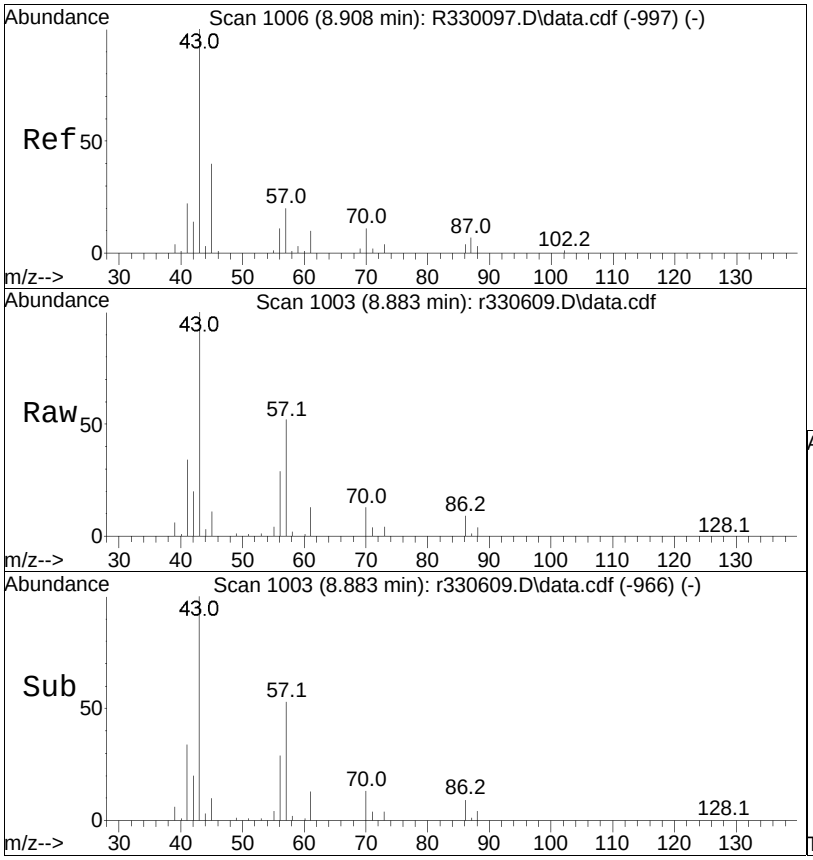


#36
2-butanone
Concen: 10.83 ppbV
RT: 8.100 min Scan# 911
Delta R.T. -0.025 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion: 43 Resp: 711772

Ion	Ratio	Lower	Upper
43	100		
72	30.2	22.1	33.1
57	9.0	5.3	7.9#

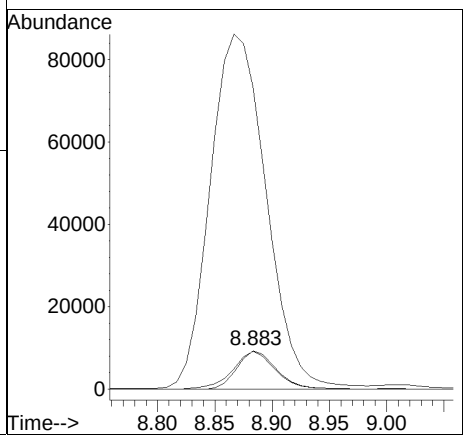


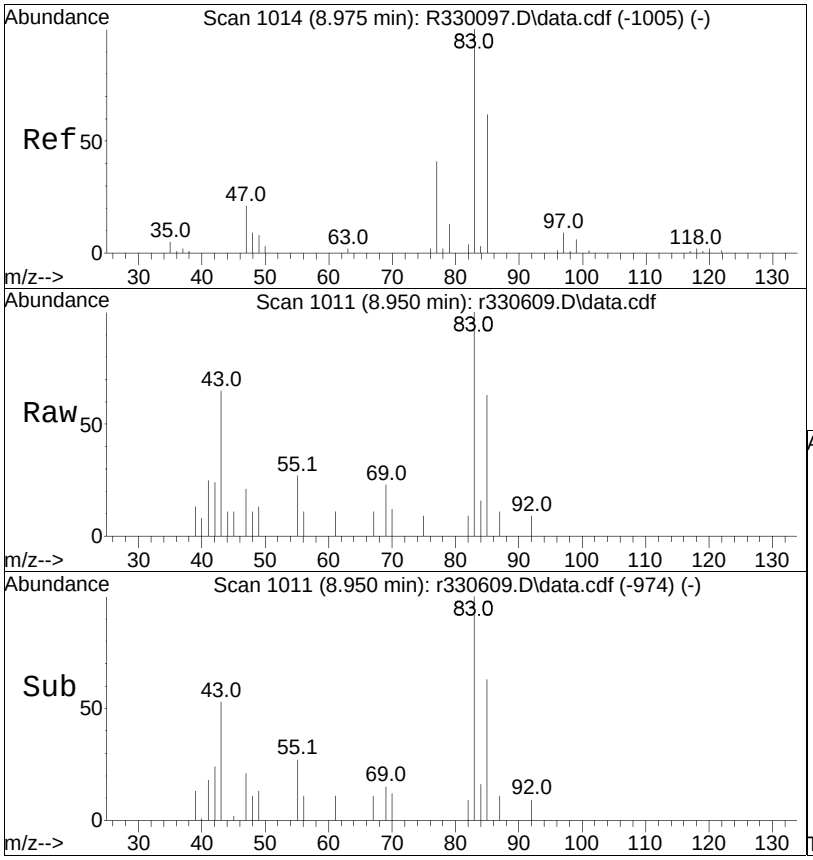


#38
Ethyl Acetate
Concen: 2.31 ppbV
RT: 8.883 min Scan# 1003
Delta R.T. -0.025 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion: 61 Resp: 22749

Ion	Ratio	Lower	Upper
61	100		
70	98.9	87.4	131.0
43	781.7	771.8	1157.6

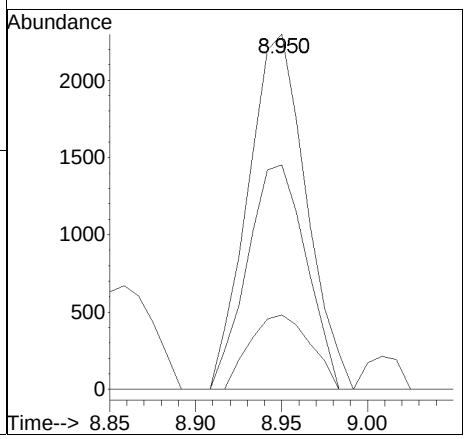


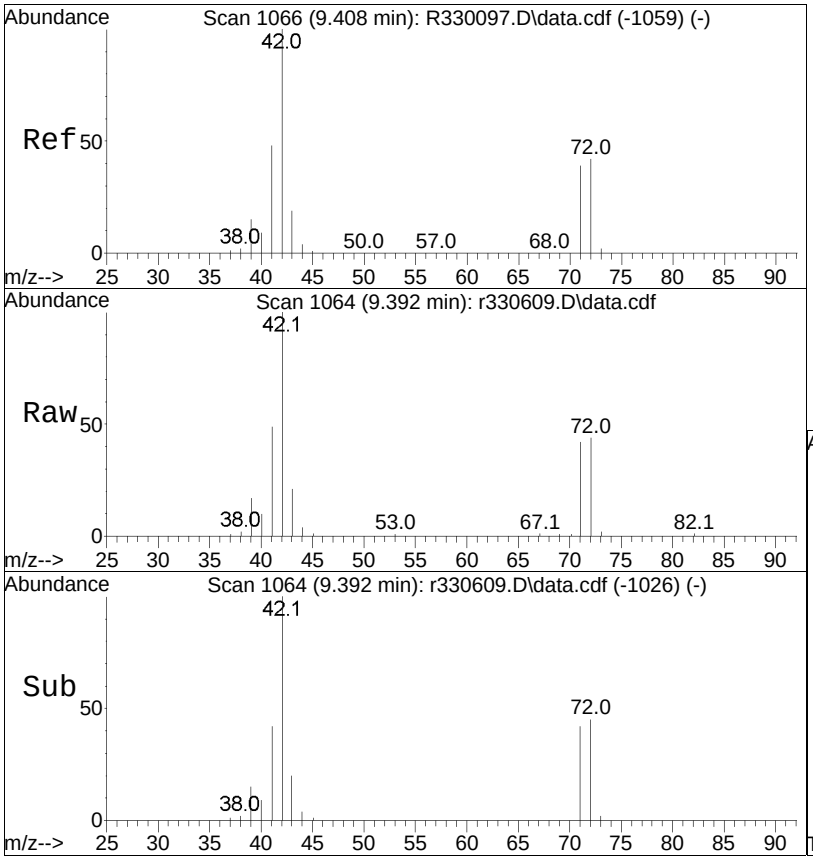


#39
chloroform
Concen: 0.12 ppbV
RT: 8.950 min Scan# 1011
Delta R.T. -0.025 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion: 83 Resp: 5414

Ion	Ratio	Lower	Upper
83	100		
85	63.2	49.8	74.8
47	21.0	16.8	25.2

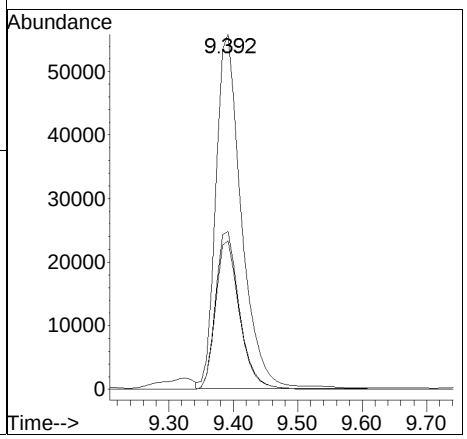


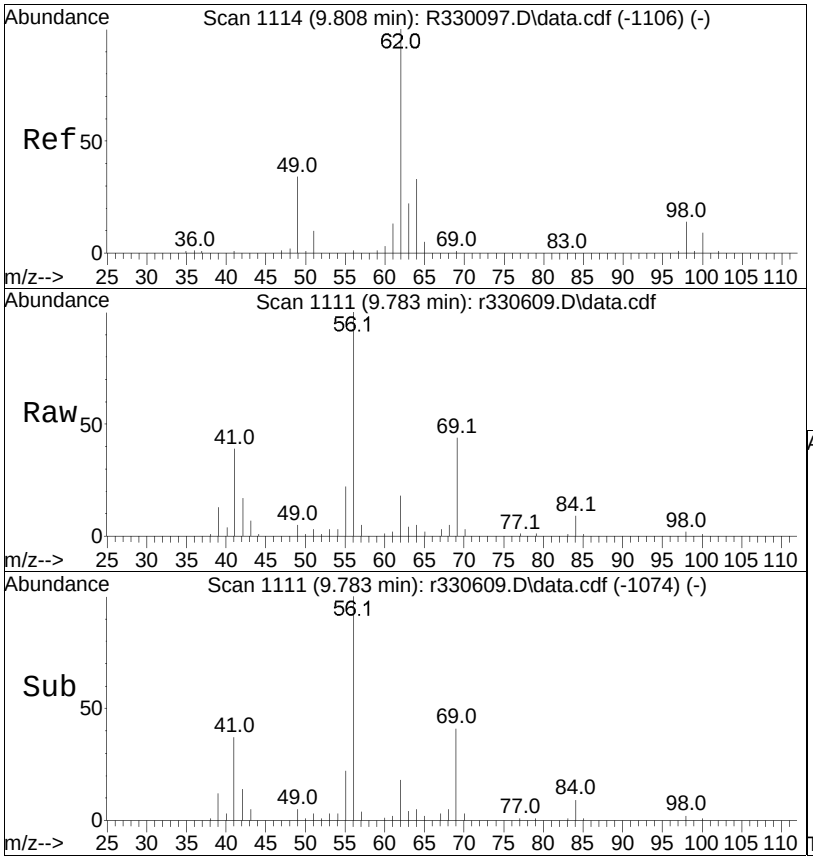


#40
Tetrahydrofuran
Concen: 3.60 ppbV
RT: 9.392 min Scan# 1064
Delta R.T. -0.017 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion: 42 Resp: 152898

Ion	Ratio	Lower	Upper
42	100		
71	41.9	31.0	46.4
72	44.5	33.4	50.2

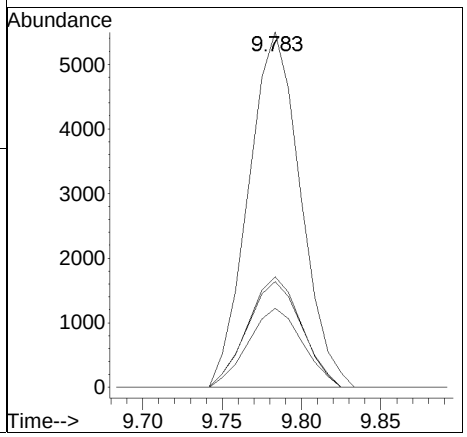


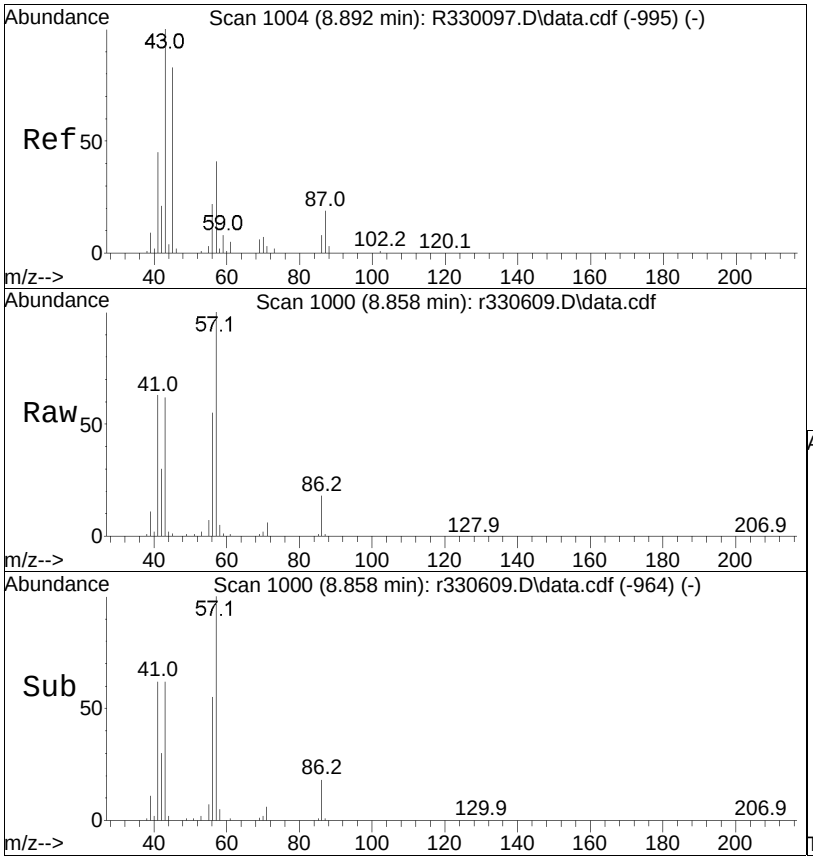


#42
1,2-dichloroethane
Concen: 0.45 ppbV
RT: 9.783 min Scan# 1111
Delta R.T. -0.025 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion: 62 Resp: 12550

Ion	Ratio	Lower	Upper
62	100		
64	31.2	26.9	40.3
49	29.8	26.8	40.2
63	22.3	17.5	26.3

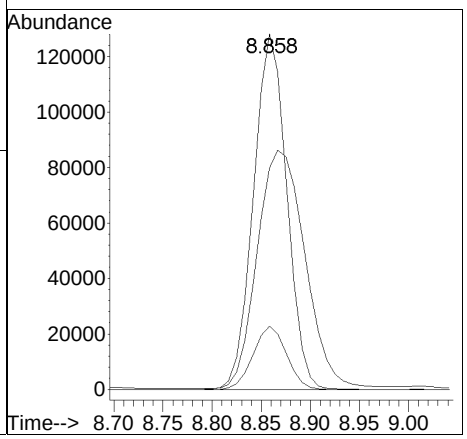


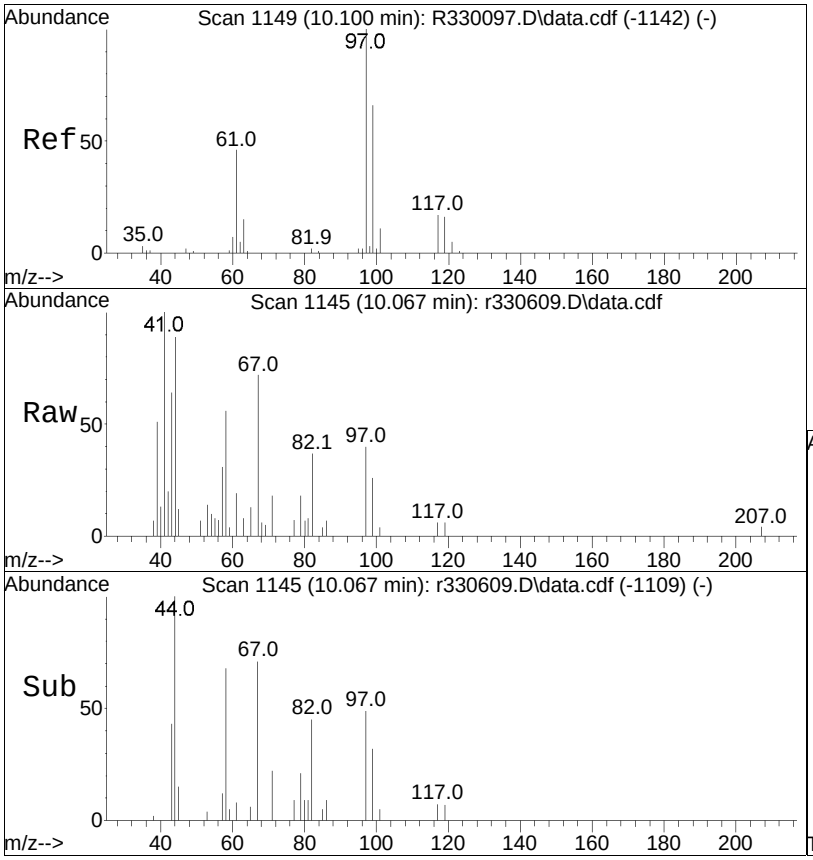


#44
hexane
Concen: 6.67 ppbV
RT: 8.858 min Scan# 1000
Delta R.T. -0.033 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion: 57 Resp: 302052

Ion	Ratio	Lower	Upper
57	100		
43	62.3	196.5	294.7#
86	17.8	15.8	23.6

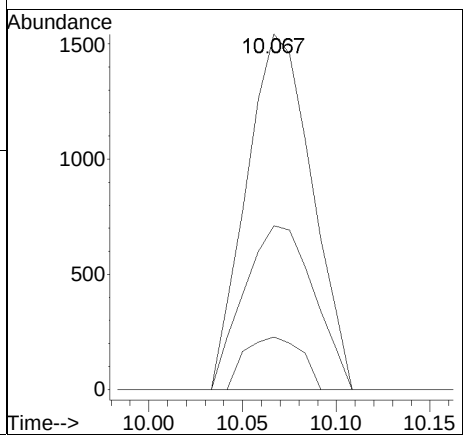


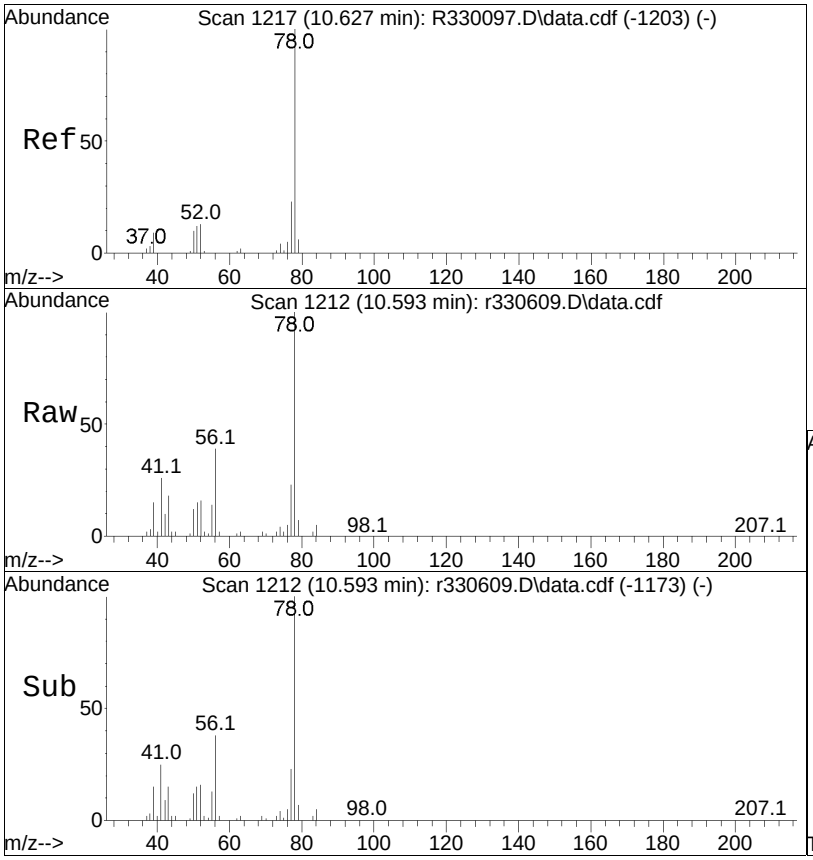


#48
1,1,1-trichloroethane
Concen: 0.10 ppbV
RT: 10.067 min Scan# 1145
Delta R.T. -0.033 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion: 97 Resp: 3743

Ion	Ratio	Lower	Upper
97	100		
61	46.1	36.6	54.8
119	14.8	13.0	19.4

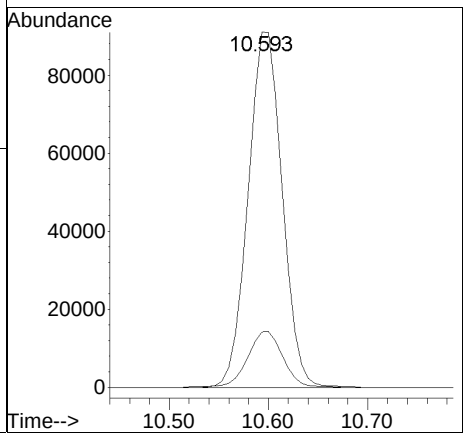


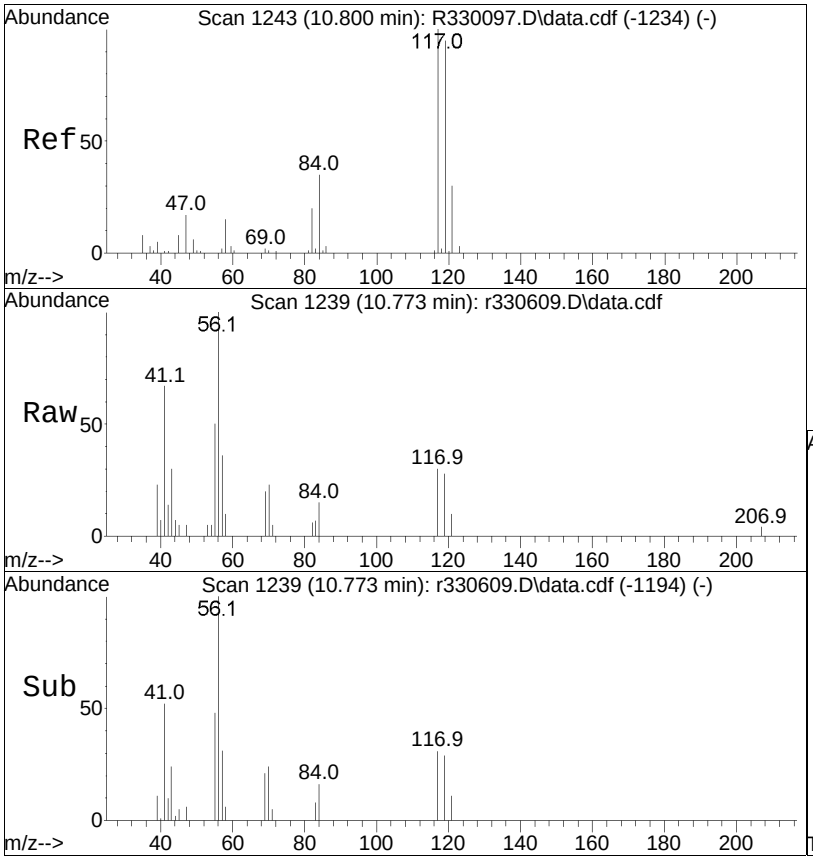


#50
benzene
Concen: 2.12 ppbV
RT: 10.593 min Scan# 1212
Delta R.T. -0.033 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion: 78 Resp: 217518

Ion	Ratio	Lower	Upper
78	100		
52	15.6	10.4	15.6#

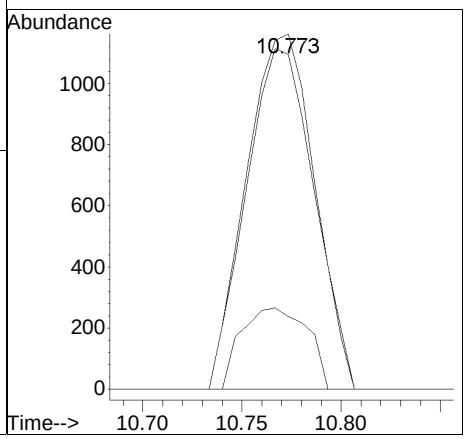


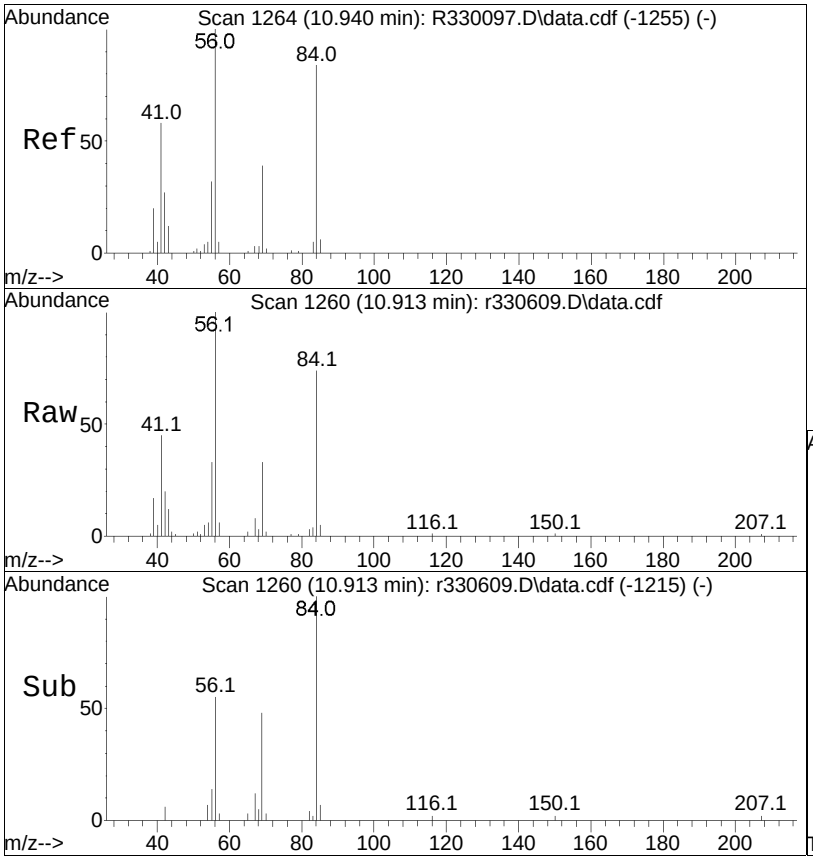


#52
carbon tetrachloride
Concen: 0.08 ppbV
RT: 10.773 min Scan# 1239
Delta R.T. -0.027 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion:117 Resp: 2792

Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.8	113.8
82	20.5	16.5	24.7

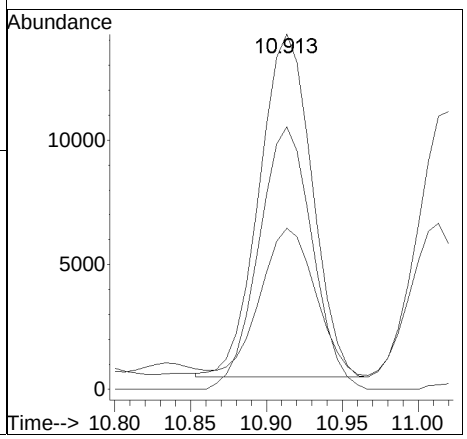


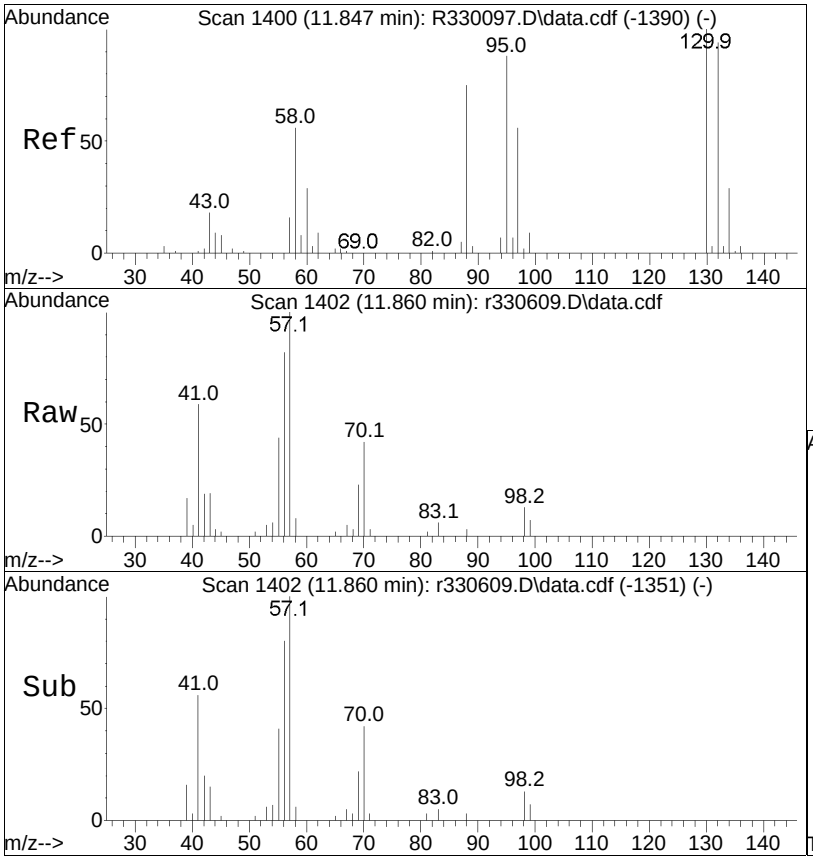


#53
cyclohexane
Concen: 0.69 ppbV
RT: 10.913 min Scan# 1260
Delta R.T. -0.027 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion: 56 Resp: 33360

Ion	Ratio	Lower	Upper
56	100		
84	73.9	67.4	101.2
41	45.4	46.4	69.6#

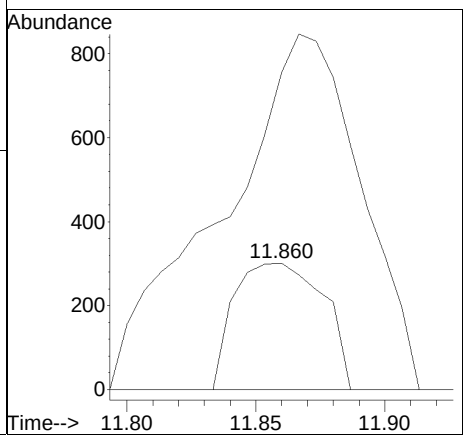


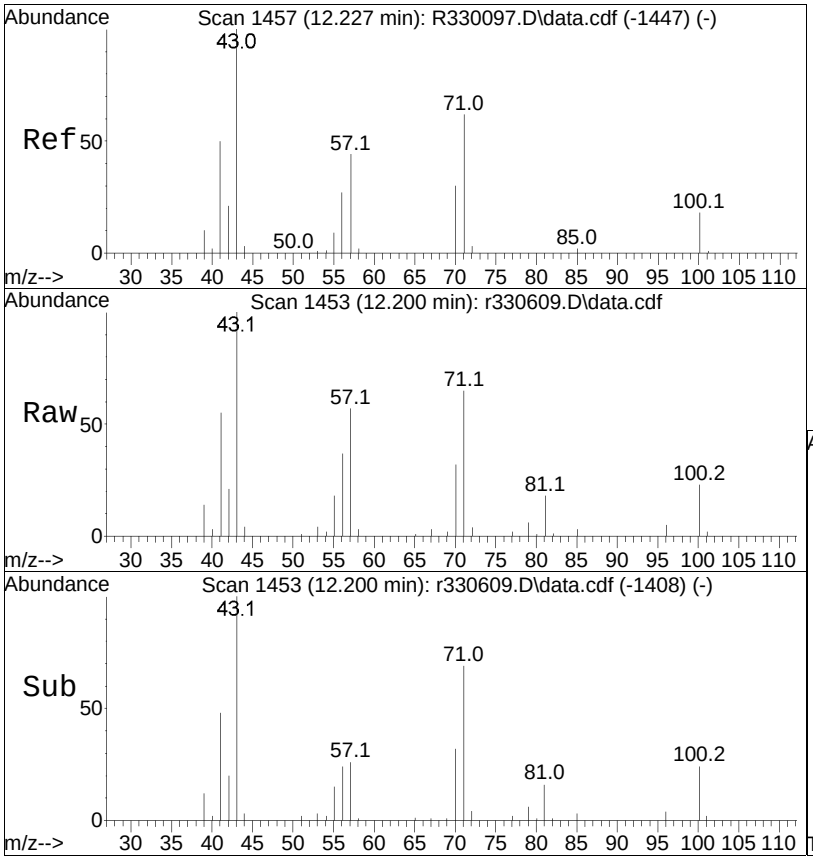


#58
1,4-dioxane
Concen: 0.04 ppbV
RT: 11.860 min Scan# 1402
Delta R.T. 0.013 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion: 88 Resp: 724

Ion	Ratio	Lower	Upper
88	100		
58	251.2	59.9	89.9#

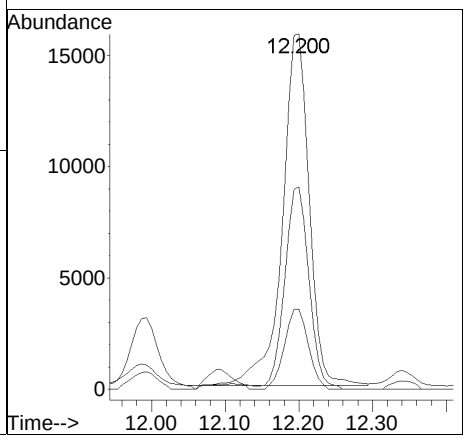


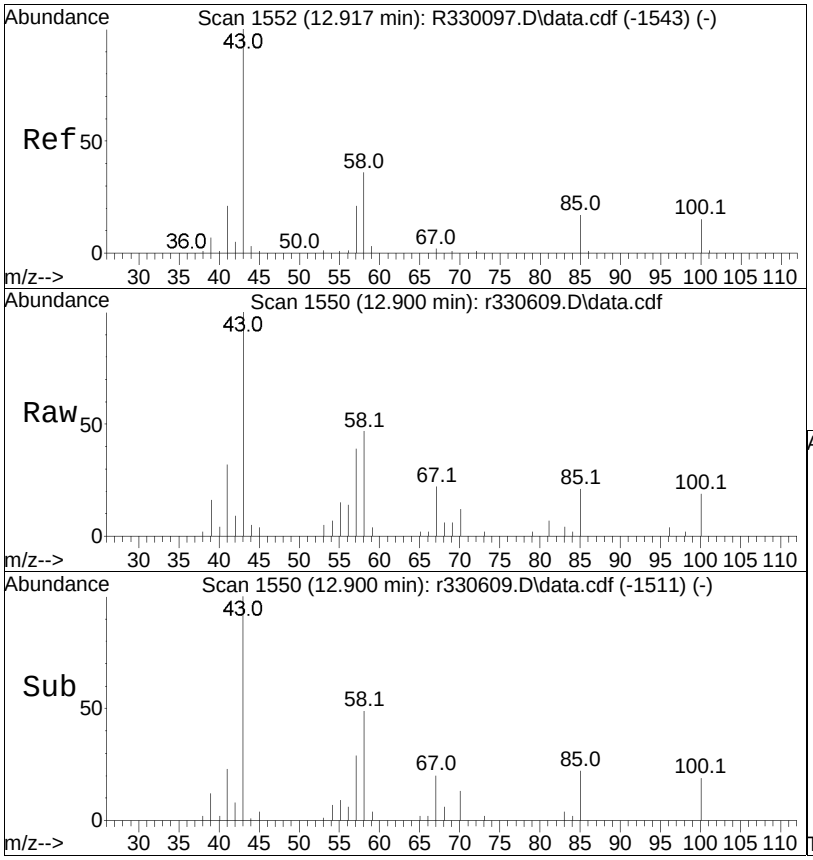


#62
heptane
Concen: 0.61 ppbV
RT: 12.200 min Scan# 1453
Delta R.T. -0.027 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion: 43 Resp: 40194

Ion	Ratio	Lower	Upper
43	100		
57	57.0	34.9	52.3#
100	22.6	14.9	22.3#

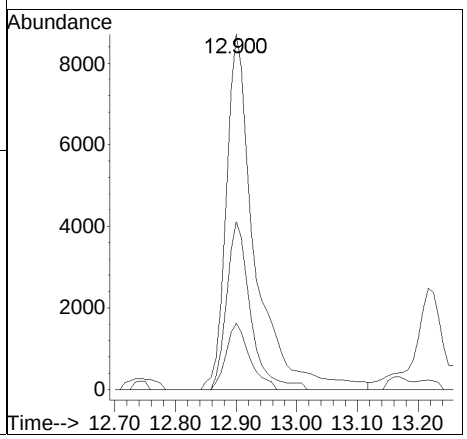


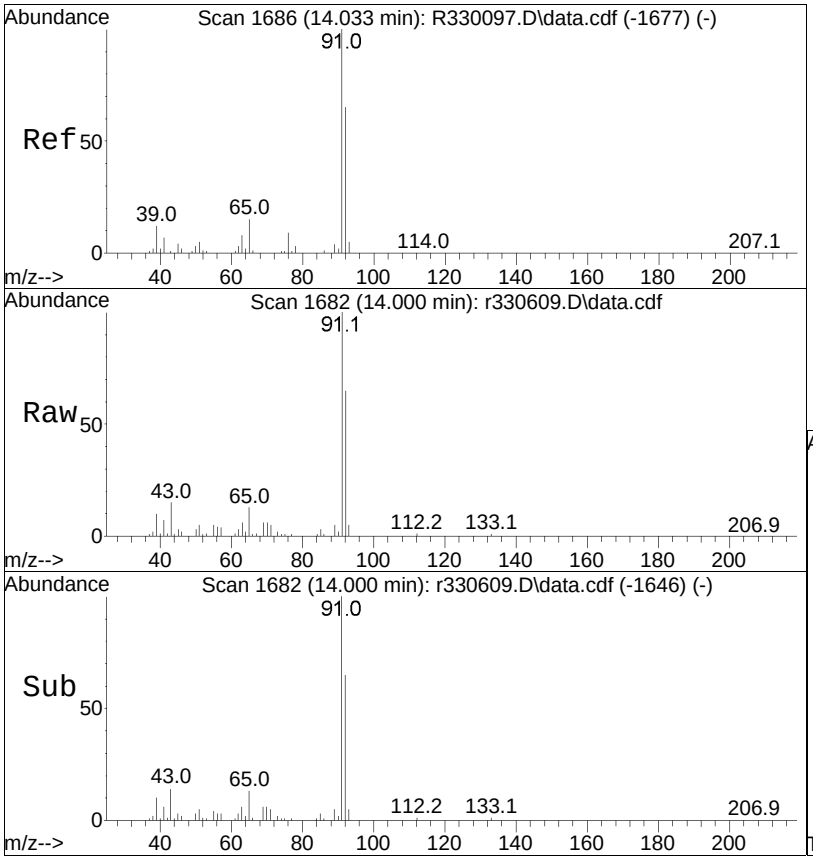


#64
4-methyl-2-pentanone
Concen: 0.37 ppbV
RT: 12.900 min Scan# 1550
Delta R.T. -0.017 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion: 43 Resp: 28720

Ion	Ratio	Lower	Upper
43	100		
58	47.2	29.1	43.7#
100	18.6	12.2	18.4#

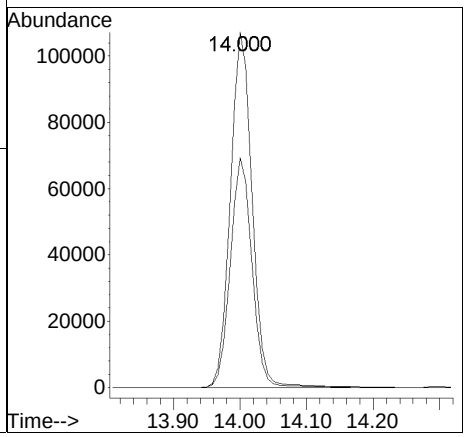


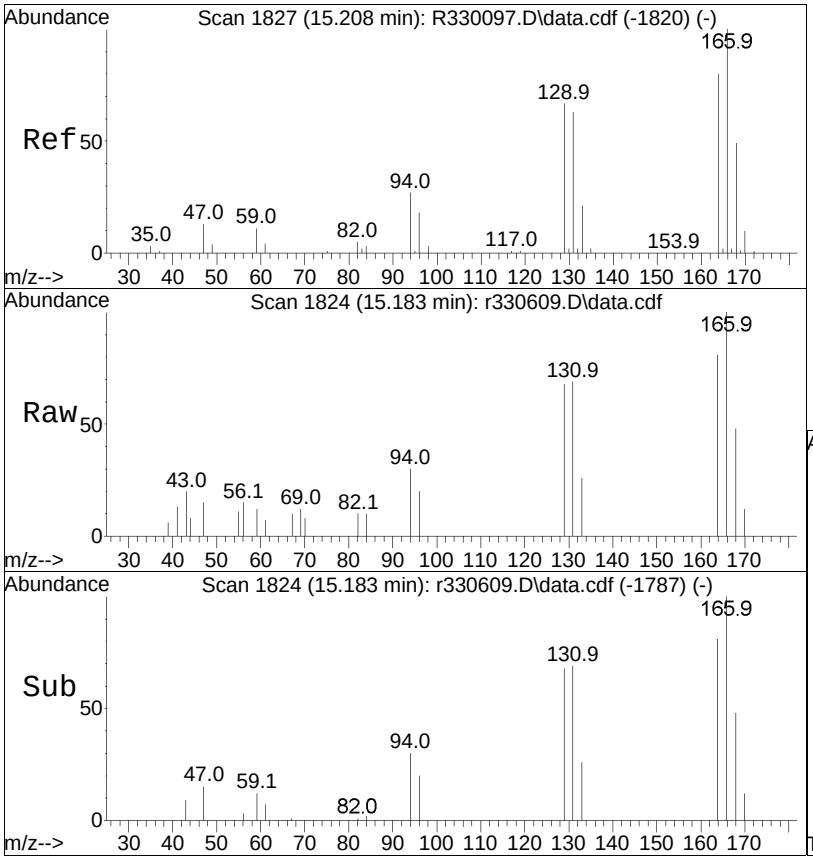


#68
toluene
Concen: 1.95 ppbV
RT: 14.000 min Scan# 1682
Delta R.T. -0.033 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion: 91 Resp: 243208

Ion	Ratio	Lower	Upper
91	100		
92	64.6	52.1	78.1

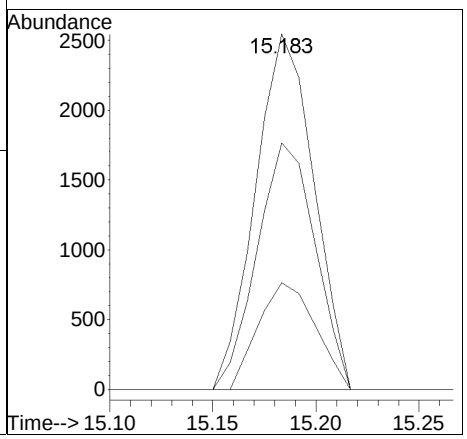


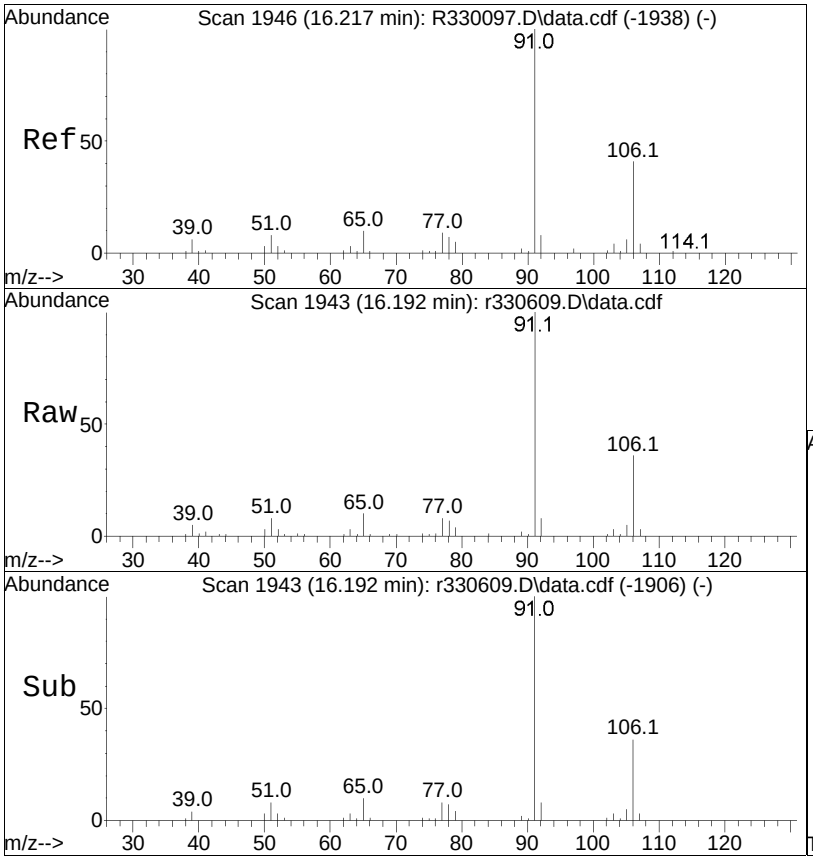


#78
tetrachloroethene
Concen: 0.09 ppbV
RT: 15.183 min Scan# 1824
Delta R.T. -0.025 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion:166 Resp: 5014

Ion	Ratio	Lower	Upper
166	100		
131	69.4	50.6	75.8
94	30.0	21.4	32.2

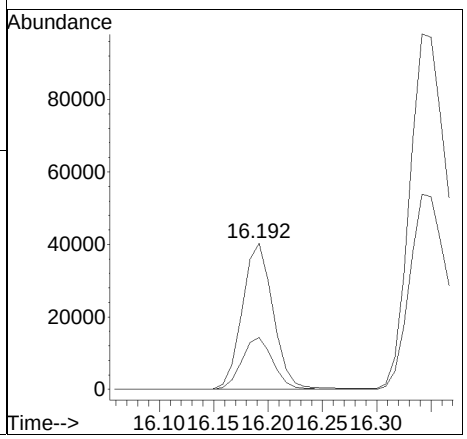


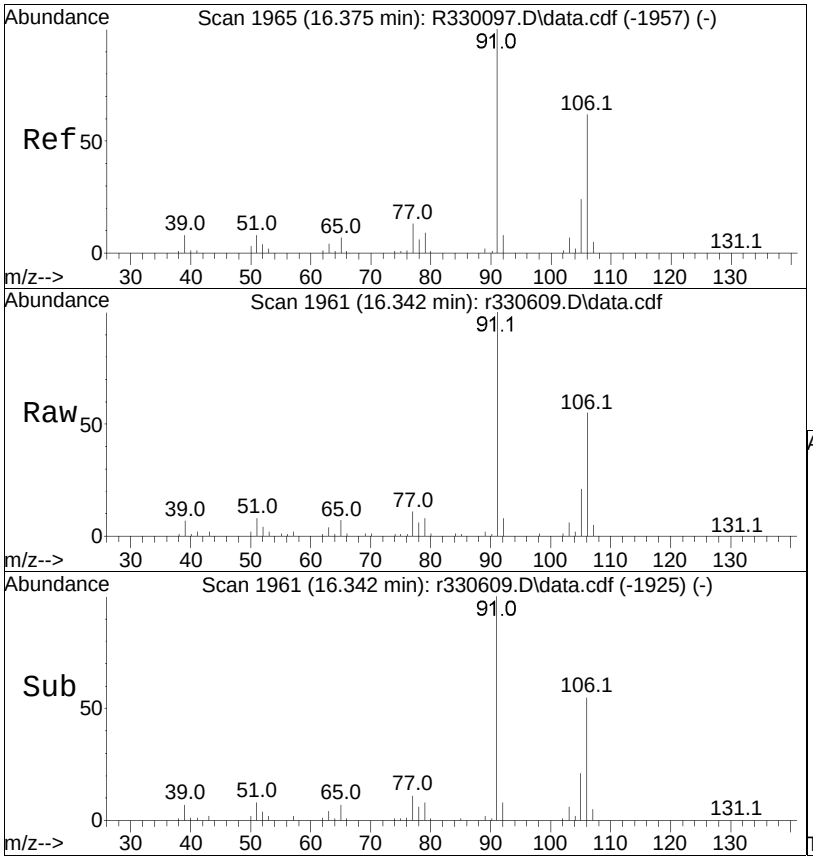


#81
ethylbenzene
Concen: 0.51 ppbV
RT: 16.192 min Scan# 1943
Delta R.T. -0.025 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion: 91 Resp: 80326

Ion	Ratio	Lower	Upper
91	100		
106	35.6	32.6	49.0

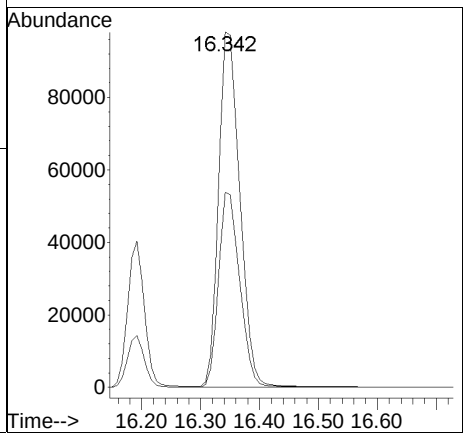


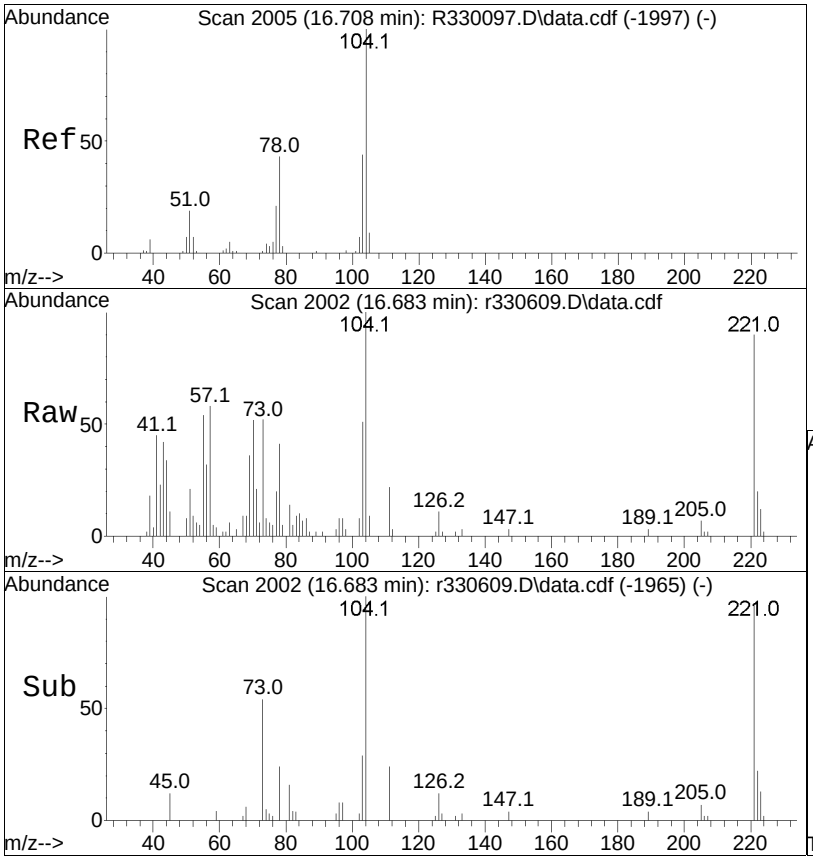


#83
m+p-xylene
Concen: 1.97 ppbV
RT: 16.342 min Scan# 1961
Delta R.T. -0.033 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion: 91 Resp: 247972

Ion	Ratio	Lower	Upper
91	100		
106	54.9	49.2	73.8

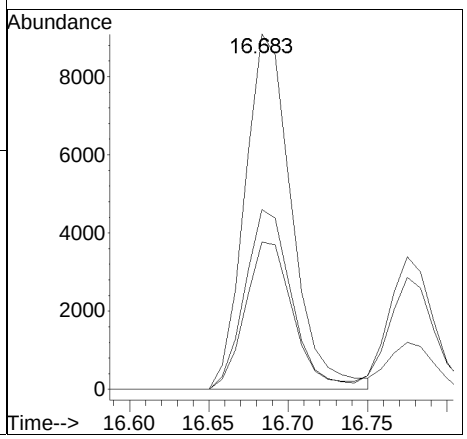


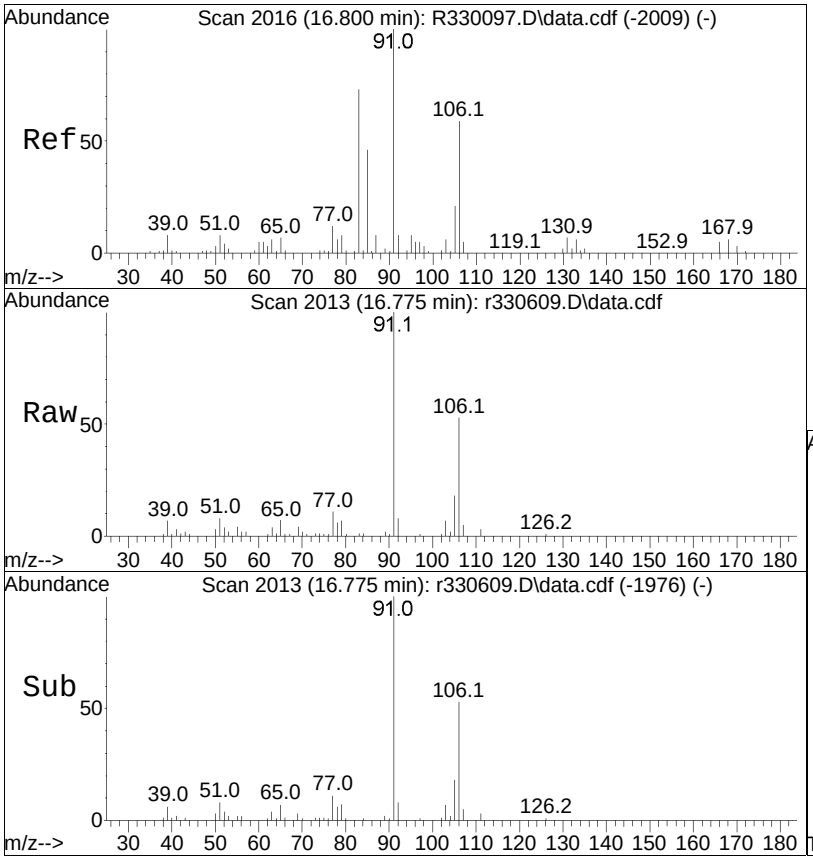


#85
styrene
Concen: 0.16 ppbV
RT: 16.683 min Scan# 2002
Delta R.T. -0.025 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion:104 Resp: 18743

Ion	Ratio	Lower	Upper
104	100		
103	50.6	35.0	52.4
78	41.5	34.3	51.5

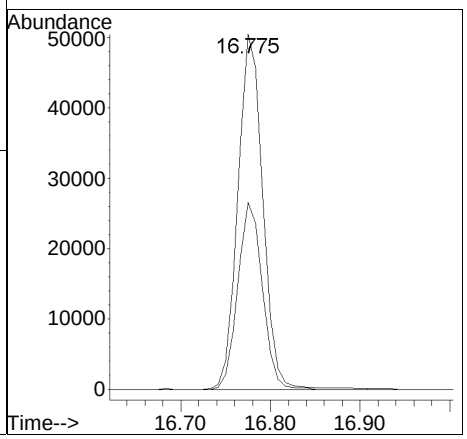


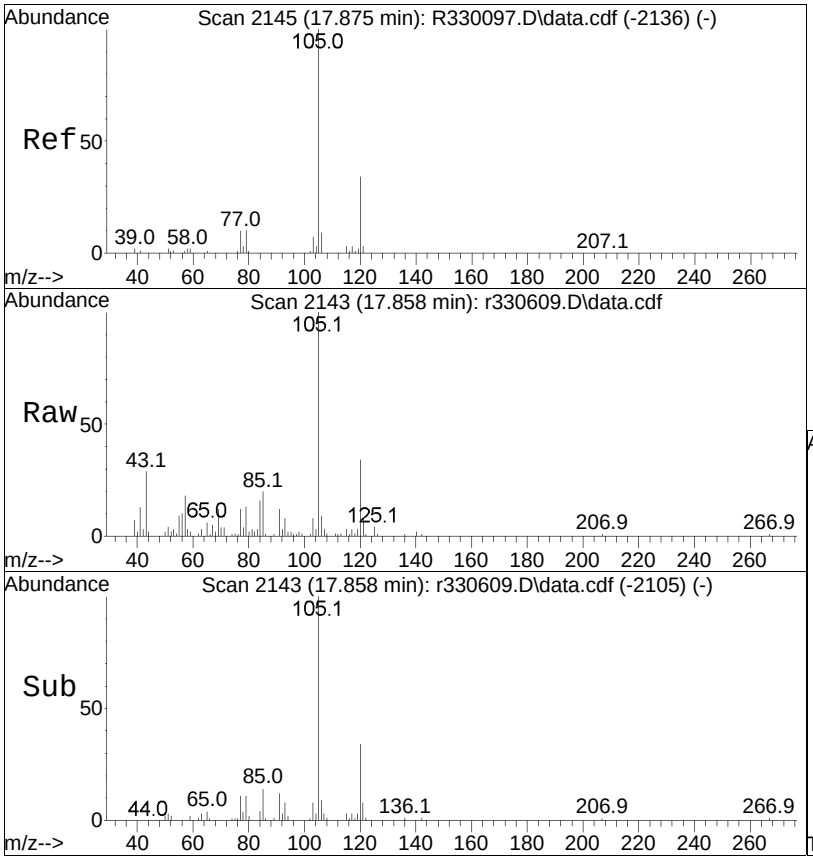


#87
o-xylene
Concen: 0.78 ppbV
RT: 16.775 min Scan# 2013
Delta R.T. -0.025 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion: 91 Resp: 97839

Ion	Ratio	Lower	Upper
91	100		
106	52.6	47.5	71.3

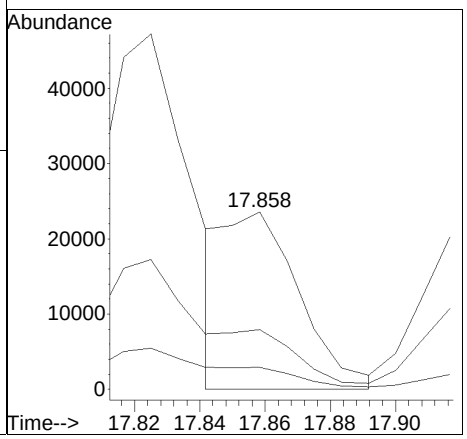


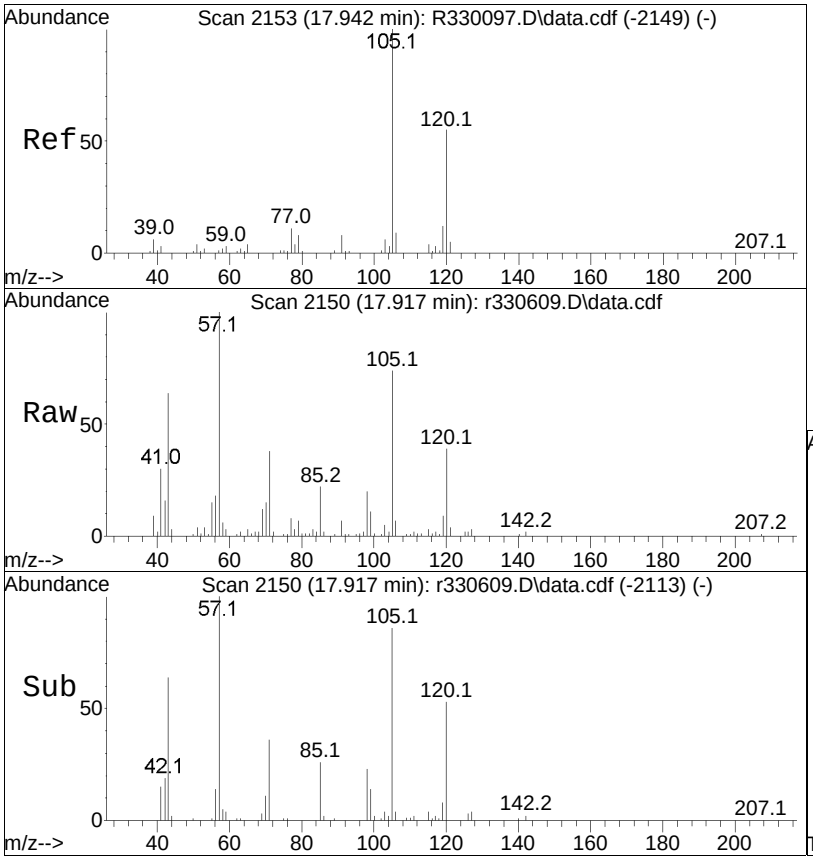


#96
4-ethyl toluene
Concen: 0.20 ppbV m
RT: 17.858 min Scan# 2143
Delta R.T. -0.017 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion:105 Resp: 37594

Ion	Ratio	Lower	Upper
105	100		
120	33.7	27.2	40.8
91	12.4	7.1	10.7#

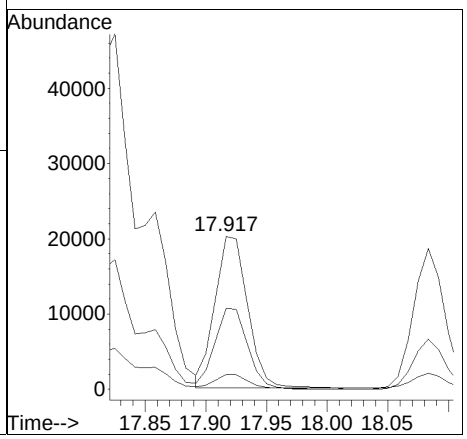


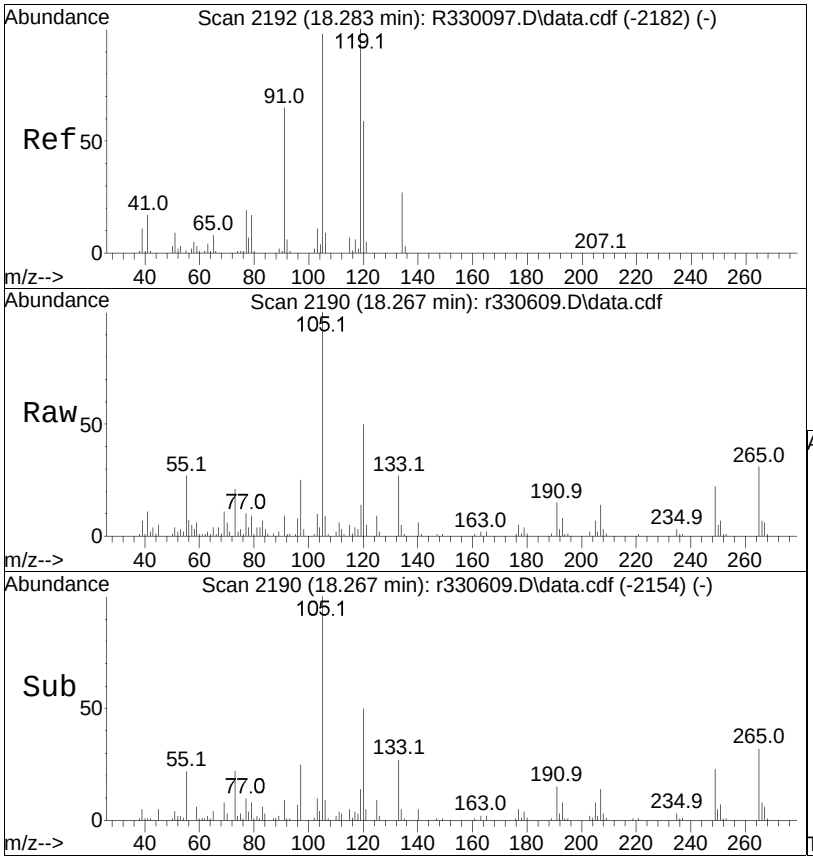


#97
1,3,5-trimethylbenzene
Concen: 0.24 ppbV
RT: 17.917 min Scan# 2150
Delta R.T. -0.025 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion:105 Resp: 38040

Ion	Ratio	Lower	Upper
105	100		
120	53.0	43.1	64.7
91	9.8	6.8	10.2

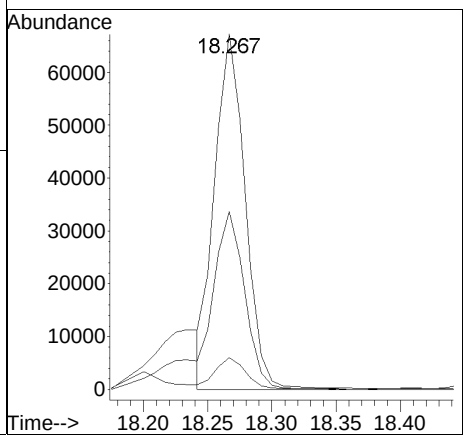


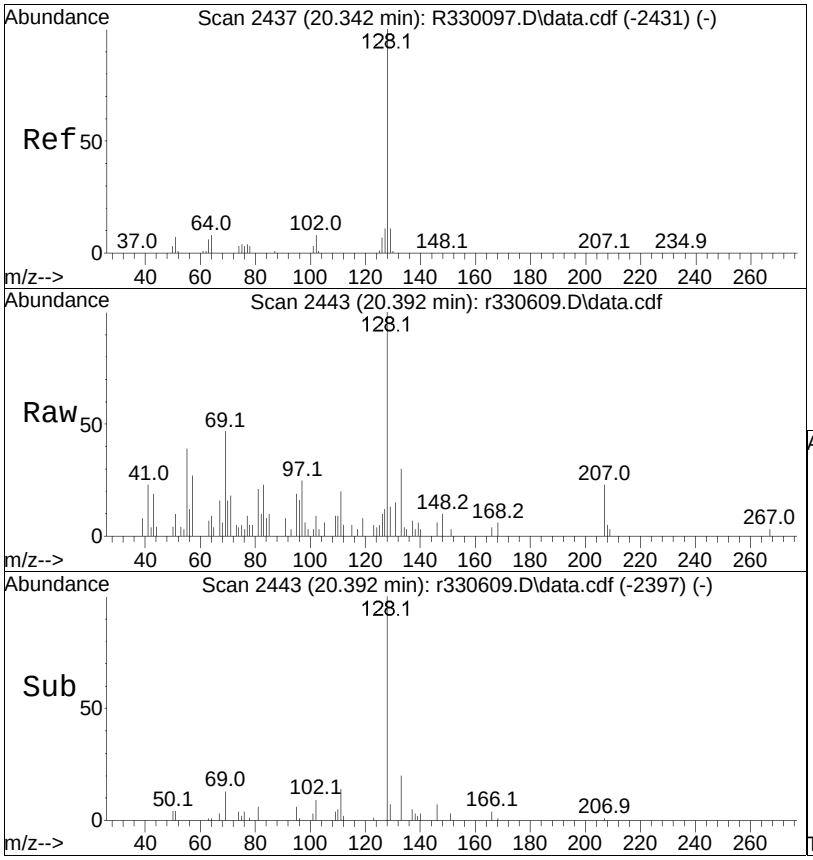


#99
1,2,4-trimethylbenzene
Concen: 0.72 ppbV m
RT: 18.267 min Scan# 2190
Delta R.T. -0.017 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion:105 Resp: 112016

Ion	Ratio	Lower	Upper
105	100		
120	50.1	47.8	71.8
91	8.9	53.4	80.0#

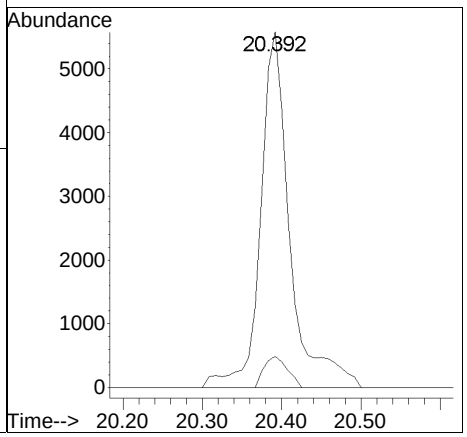




#116
naphthalene
Concen: 0.07 ppbV
RT: 20.392 min Scan# 2443
Delta R.T. 0.050 min
Lab File: r330609.D
Acq: 25 Apr 2024 7:08 AM

Tgt Ion:128 Resp: 14290

Ion	Ratio	Lower	Upper
128	100		
102	8.8	6.3	9.5

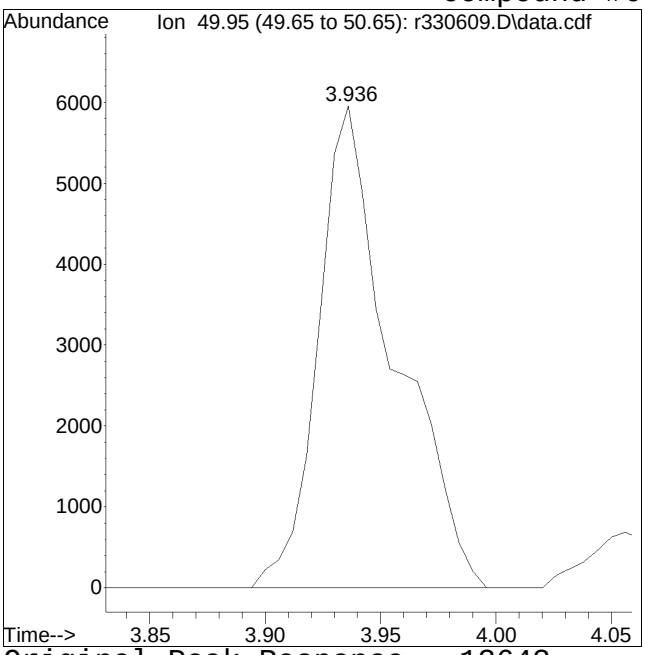


Manual Integration Report

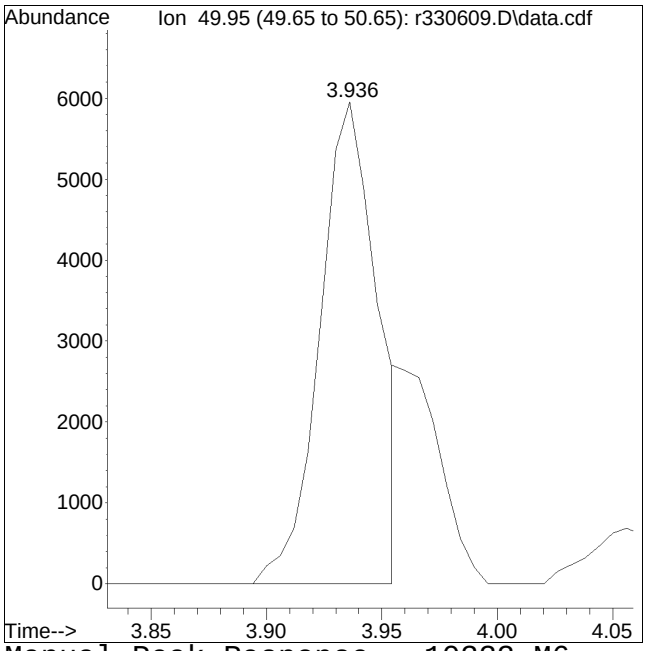
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330609.D
Date Inj'd : 4/25/2020 0:7: 8
Sample : L2419731-16,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:KJD
Instrument :
Quant Date : 4/25/2024 7:40 am

Compound #6: chloromethane



Original Peak Response = 13643



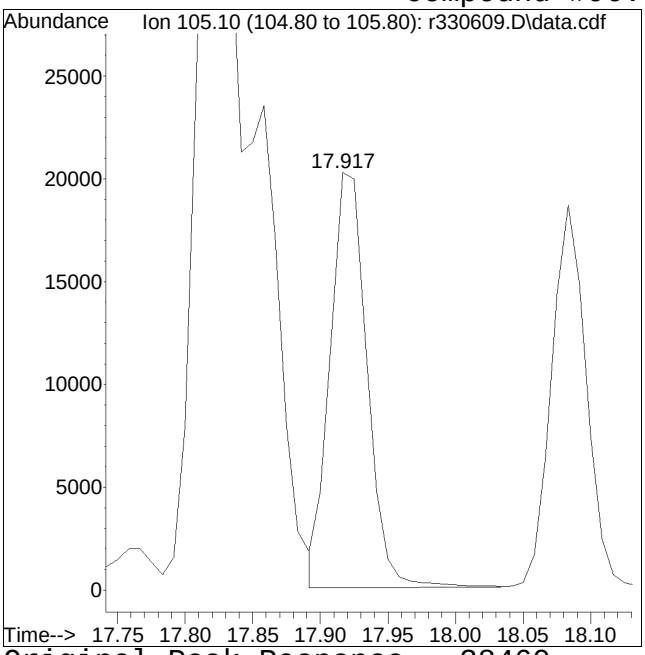
Manual Peak Response = 10333 M6

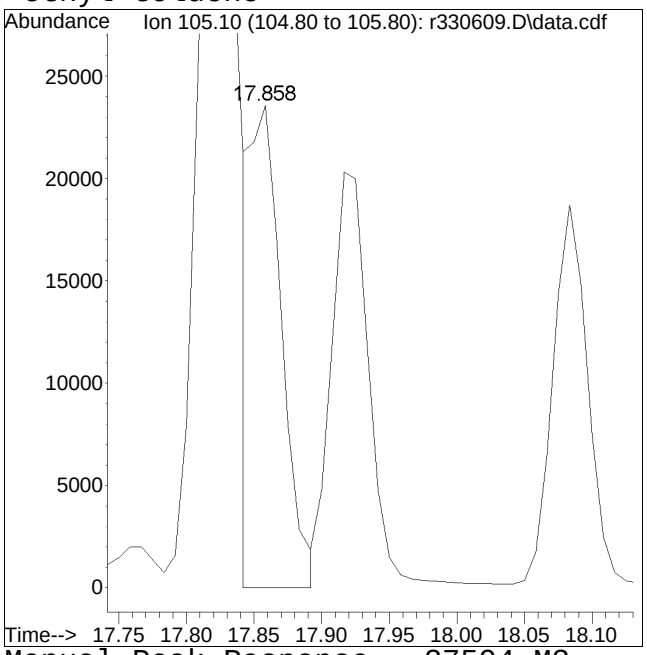
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : r330609.D Operator : AIRPIANO3:KJD
Date Inj'd : 4/25/2020 0:7: 8 Instrument :
Sample : L2419731-16,3,250,250 Quant Date : 4/25/2024 7:40 am

Compound #96: 4-ethyl toluene





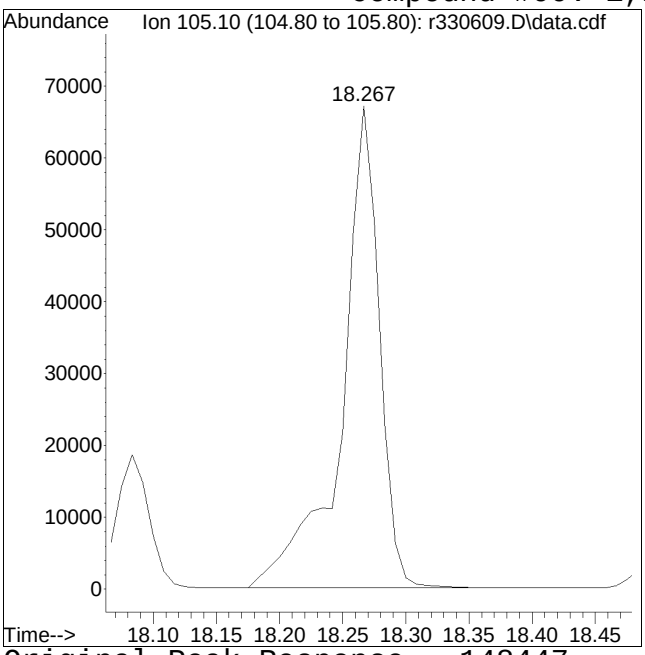
Original Peak Response = 38460 Manual Peak Response = 37594 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

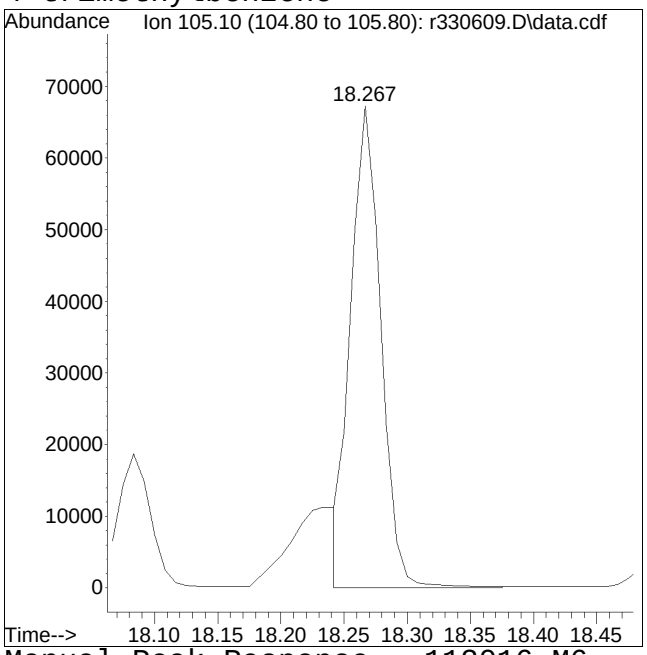
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330609.D
Date Inj'd : 4/25/2020 0:7: 8
Sample : L2419731-16,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:KJD
Instrument :
Quant Date : 4/25/2024 7:40 am

Compound #99: 1,2,4-trimethylbenzene



Original Peak Response = 148447



Manual Peak Response = 112016 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Environmental Logic, LLC**	**Lab Number**	**: L2419731**
Project Name	**: 245 W. 55TH**	**Project Number**	**: 23-0001**
Instrument ID	**: AIRPIANO3**	**Ical Ref**	**: ICAL21001**
Calibration dates	**: 04/02/24 04:58 04/02/24 09:46**		

Calibration Files

0.2 =R330093.D 0.5 =R330094.D 1.0 =R330095.D 5.0 =R330096.D 10 =R330097.D 20 =R330098.D

50 =R330099.D 100 =R330100.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
1)	I	bromochloromethane	ISTD									
2)		chlorodifluoromethane	1.290	1.096	0.965	1.072	1.004	0.740	0.708	0.624	0.9374	24.27
3)		propylene		0.654	0.676	0.783	0.865	0.607	0.561	0.533	0.6683	17.88
4)		propane		0.655	0.644	0.729	0.691	0.522	0.487	0.437	0.5949	18.83
5)		dichlorodifluoromethane	1.123	1.157	1.131	1.405	1.331	0.956	0.879	0.739	1.0900	20.52
6)	C	chloromethane	0.537	0.555	0.563	0.682	0.654	0.487	0.459	0.422	0.5448	16.58
7)		Freon-114	1.338	1.391	1.393	1.698	1.604	1.158	1.002	0.777	1.2951	23.56
8)	C	methanol			0.320	0.274	0.256	0.187	0.173	0.152	0.2269	29.16
9)	C	vinyl chloride	0.594	0.618	0.623	0.767	0.734	0.545	0.507	0.454	0.6051	17.60
10)	C	1,3-butadiene	0.468	0.485	0.487	0.597	0.576	0.433	0.407	0.369	0.4779	16.37
11)		butane	1.321	1.260	1.251	1.478	1.408	1.057	0.982	0.876	1.2042	17.61
12)	C	acetaldehyde		0.233	0.228	0.265	0.251	0.186	0.156	0.129	0.2069	24.60
13)	C	bromomethane	0.466	0.483	0.483	0.594	0.567	0.420	0.389	0.350	0.4689	17.78
14)	C	chloroethane	0.320	0.309	0.322	0.393	0.375	0.278	0.263	0.240	0.3127	16.82
15)		ethanol			0.374	0.443	0.411	0.310	0.277	0.237	0.3421	23.48
16)		dichlorofluoromethane	1.568	1.302	1.209	1.359	1.268	0.937	0.851	0.741	1.1545	24.51
17)	C	vinyl bromide	0.337	0.366	0.379	0.516	0.418	0.343	0.318	0.267	0.3680	20.21
18)	C	acrolein		0.340	0.279	0.414	0.402	0.310	0.298	0.286	0.3327	16.57
19)		acetone	1.166	1.176	1.180	1.367	1.301	0.965	0.850	0.701	1.0884	21.04
20)	C	acetonitrile	0.556	0.540	0.535	0.796	0.592	0.496	0.533	0.412	0.5575	19.69
21)		trichlorofluoromethane	1.106	1.169	1.166	1.423	1.353	0.985	0.894	0.772	1.1084	19.90
22)		isopropyl alcohol	1.558	1.501	1.488	1.745	1.695	1.304	1.218	1.097	1.4509	15.67
23)	C	acrylonitrile	0.546	0.583	0.589	0.718	0.709	0.546	0.532	0.511	0.5917	13.41
24)		pentane	1.833	1.852	1.844	2.192	2.130	1.615	1.505	1.341	1.7889	16.35
25)		ethyl ether	1.028	1.067	1.095	1.312	1.261	0.950	0.864	0.757	1.0418	18.00
26)	C	1,1-dichloroethene	1.084	1.109	1.030	1.267	1.196	0.866	0.806	0.708	1.0084	19.47
27)		tertiary butyl alcohol		1.396	1.429	1.826	1.758	1.321	1.232	1.126	1.4410	18.11
28)	C	methylene chloride		0.836	0.817	0.978	0.953	0.708	0.676	0.636	0.8006	16.69
29)	C	3-chloropropene	1.221	1.248	1.262	1.573	1.528	1.158	1.105	1.030	1.2658	15.17
30)	C	carbon disulfide	2.499	2.586	2.595	3.179	3.071	2.287	2.040	1.670	2.4907	20.07
31)		Freon 113	1.389	1.359	1.368	1.646	1.581	1.164	1.057	0.907	1.3089	19.29
32)		trans-1,2-dichloroethene	1.058	1.137	1.140	1.401	1.345	1.003	0.936	0.846	1.1082	17.23
33)	C	1,1-dichloroethane	1.395	1.466	1.480	1.834	1.764	1.309	1.224	1.109	1.4477	17.27
34)	C	MTBE	2.107	2.214	2.209	2.729	2.626	1.970	1.840	1.665	2.1699	16.81
35)	C	vinyl acetate			1.762	2.181	2.163	1.674	1.642	1.571	1.8323	14.75
36)	C	2-butanone		1.836	1.865	2.276	2.228	1.687	1.621	1.515	1.8612	15.75

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Environmental Logic, LLC**	**Lab Number**	**: L2419731**
Project Name	**: 245 W. 55TH**	**Project Number**	**: 23-0001**
Instrument ID	**: AIRPIANO3**	**Ical Ref**	**: ICAL21001**
Calibration dates	**: 04/02/24 04:58 04/02/24 09:46**		

Calibration Files

0.2 =R330093.D 0.5 =R330094.D 1.0 =R330095.D 5.0 =R330096.D 10 =R330097.D 20 =R330098.D

50 =R330099.D 100 =R330100.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
37)		cis-1,2-dichloroethene	0.957	1.047	1.055	1.307	1.256	0.928	0.868	0.781	1.0250	17.78
38)		Ethyl Acetate	0.261	0.256	0.277	0.359	0.346	0.259	0.247	0.225	0.2787	17.22
39)	C	chloroform	1.253	1.258	1.269	1.561	1.501	1.110	1.021	0.889	1.2327	18.40
40)		Tetrahydrofuran	1.183	1.214	1.236	1.462	1.424	1.080	1.036	0.978	1.2016	14.46
41)		2,2-dichloropropane	1.037	1.106	1.112	1.350	1.304	0.981	0.893	0.766	1.0687	18.33
42)	C	1,2-dichloroethane	0.839	0.846	0.827	0.996	0.944	0.693	0.630	0.552	0.7911	19.39
43)	I	1,4-difluorobenzene	----------ISTD----------									
44)	C	hexane	0.372	0.384	0.387	0.465	0.452	0.340	0.316	0.286	0.3751	16.52
45)		diisopropyl ether	0.208	0.212	0.216	0.262	0.299	0.197	0.189	0.176	0.2198	18.58
46)		tert-butyl ethyl ether	0.669	0.703	0.719	0.875	0.849	0.644	0.610	0.564	0.7041	15.53
47)	s	1,2-dichloroethane-D4	0.221	0.225	0.227	0.226	0.224	0.218	0.208	0.202	0.2188	4.10
48)	C	1,1,1-trichloroethane	0.291	0.304	0.304	0.376	0.367	0.273	0.258	0.235	0.3011	16.38
49)		1,1-dichloropropene	0.337	0.355	0.360	0.438	0.484	0.326	0.314	0.295	0.3637	17.82
50)	C	benzene	0.887	0.862	0.838	1.028	1.010	0.760	0.726	0.678	0.8487	14.89
51)		thiophene	0.421	0.436	0.438	0.546	0.537	0.410	0.399	0.378	0.4454	13.97
52)	C	carbon tetrachloride	0.264	0.275	0.276	0.348	0.340	0.252	0.236	0.206	0.2746	17.66
53)		cyclohexane	0.379	0.396	0.399	0.485	0.481	0.360	0.348	0.337	0.3982	14.22
54)		tert-amyl methyl ether	0.726	0.743	0.754	0.934	0.917	0.698	0.668	0.621	0.7575	14.78
55)		dibromomethane	0.187	0.195	0.198	0.244	0.239	0.183	0.176	0.163	0.1980	14.61
56)	C	1,2-dichloropropane	0.284	0.296	0.294	0.371	0.362	0.270	0.257	0.239	0.2966	15.93
57)		bromodichloromethane	0.338	0.353	0.357	0.452	0.454	0.337	0.319	0.296	0.3632	16.13
58)	C	1,4-dioxane	0.155	0.157	0.162	0.204	0.199	0.156	0.154	0.147	0.1668	13.23
59)	C	trichloroethene	0.273	0.295	0.299	0.368	0.360	0.272	0.260	0.237	0.2954	15.77
60)	C	2,2,4-trimethylpentane	1.178	1.235	1.240	1.521	1.438	1.113	1.050	0.937	1.2141	15.90
61)		methyl methacrylate		0.271	0.291	0.389	0.394	0.303	0.294	0.282	0.3176	16.19
62)		heptane	0.523	0.535	0.541	0.669	0.656	0.500	0.480	0.448	0.5440	14.59
63)	C	cis-1,3-dichloropropene	0.378	0.400	0.406	0.533	0.532	0.403	0.390	0.366	0.4258	15.76
64)	C	4-methyl-2-pentanone		0.603	0.619	0.789	0.781	0.592	0.570	0.538	0.6416	15.78
65)		trans-1,3-dichloropropene	0.253	0.287	0.306	0.412	0.416	0.318	0.310	0.293	0.3243	18.11
66)	C	1,1,2-trichloroethane	0.259	0.272	0.272	0.345	0.339	0.254	0.243	0.232	0.2769	15.32
67)	I	chlorobenzene-D5	----------ISTD----------									
68)	C	toluene	6.716	7.089	7.111	8.746	8.616	6.608	6.315	5.777	7.1221	14.78
69)	s	toluene-D8	6.658	6.954	6.863	6.873	6.873	7.103	7.129	7.260	6.9641	2.74
70)		2-methylthiophene	4.969	5.295	5.271	6.565	6.437	5.003	4.865	4.520	5.3655	13.83
71)		1,3-dichloropropane	3.520	3.814	3.791	4.667	4.604	3.640	3.501	3.237	3.8465	13.51
72)		2-hexanone	3.520	4.470	4.533	5.988	6.021	4.725	4.726	4.310	4.7864	17.61

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Environmental Logic, LLC**	**Lab Number**	**: L2419731**
Project Name	**: 245 W. 55TH**	**Project Number**	**: 23-0001**
Instrument ID	**: AIRPIANO3**	**Ical Ref**	**: ICAL21001**
Calibration dates	**: 04/02/24 04:58 04/02/24 09:46**		

Calibration Files
0.2 =R330093.D 0.5 =R330094.D 1.0 =R330095.D 5.0 =R330096.D 10 =R330097.D 20 =R330098.D
50 =R330099.D 100 =R330100.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
73)		3-methylthiophene	5.303	5.777	5.585	6.981	6.785	5.266	5.041	4.596	5.6667	14.66
74)		dibromochloromethane	2.584	2.694	2.734	3.573	3.569	2.770	2.631	2.318	2.8591	16.12
75)	C	1,2-dibromoethane	3.139	3.516	3.477	4.399	4.354	3.324	3.156	2.805	3.5212	16.26
76)		butyl acetate		1.081	1.163	1.538	1.526	1.218	1.203	1.146	1.2678	14.66
77)		octane	3.342	3.088	3.009	3.564	3.508	2.770	2.694	2.512	3.0608	12.69
78)	C	tetrachloroethene	3.133	3.387	3.277	4.066	3.942	2.970	2.652	2.193	3.2026	19.44
79)		1,1,1,2-tetrachloroethane	2.261	2.297	2.295	2.892	2.834	2.206	2.048	1.669	2.3127	17.19
80)	C	chlorobenzene	6.059	6.302	6.294	7.806	7.549	5.761	5.154	4.236	6.1450	19.02
81)	C	ethylbenzene	0.841	0.894	0.893	1.114	1.097	0.830	0.791	0.702	0.8953	16.01
82)		2-ethylthiophene	5.629	6.153	6.163	7.713	7.608	5.838	5.541	4.891	6.1920	16.01
83)	C	m+p-xylene	7.164	7.207	7.258	9.011	8.808	6.662	6.194	5.138	7.1803	17.79
84)	C	bromoform	2.312	2.585	2.678	3.548	3.663	2.803	2.553	2.074	2.7769	20.14
85)	C	styrene	5.638	6.195	6.400	8.239	8.113	6.236	5.869	5.142	6.4791	17.29
86)	C	1,1,2,2-tetrachloroethane	4.771	5.165	5.185	6.529	6.457	4.995	4.542	3.518	5.1452	19.17
87)	C	o-xylene	6.994	7.450	7.417	9.071	8.752	6.656	5.927	4.652	7.1147	20.17
88)		1,2,3-trichloropropane	4.128	4.519	4.483	5.506	5.483	4.275	4.077	3.630	4.5125	14.76
89)		nonane	6.394	6.687	6.671	8.171	8.062	6.331	5.837	4.911	6.6330	16.28
90)	s	bromofluorobenzene	4.475	4.650	4.641	4.637	4.677	4.838	4.891	5.030	4.7300	3.73
91)	C	isopropylbenzene	0.985	1.070	1.054	1.277	1.246	0.945	0.846	0.693	1.0145	19.16
92)		bromobenzene	5.592	5.833	5.785	7.145	7.034	5.502	5.149	4.396	5.8047	15.76
93)		2-chlorotoluene	2.604	2.764	2.789	3.474	3.454	2.730	2.628	2.278	2.8402	14.68
94)		n-propylbenzene	3.111	3.362	3.341	4.161	4.076	3.209	3.003	2.464	3.3409	16.65
95)		4-chlorotoluene	2.654	2.728	2.717	3.326	3.300	2.596	2.535	2.257	2.7641	13.37
96)		4-ethyl toluene	0.990	1.091	1.094	1.357	1.320	0.999	0.892	0.730	1.0590	19.65
97)		1,3,5-trimethylbenzene	0.933	0.960	0.965	1.179	1.137	0.854	0.754	0.595	0.9221	20.71
98)		tert-butylbenzene	0.922	0.964	0.968	1.155	1.102	0.827	0.643	0.472	0.8818	25.96
99)		1,2,4-trimethylbenzene	0.898	0.958	0.961	1.177	1.110	0.808	0.650	0.518	0.8849	24.99
100)		decane	6.836	7.305	7.399	9.050	8.837	6.856	6.349	5.385	7.2520	16.81
101)	C	Benzyl Chloride	3.896	4.633	5.149	7.166	7.492	5.980	5.763	4.708	5.5982	22.43
102)		1,3-dichlorobenzene	5.079	6.006	6.016	7.577	7.656	5.795	5.062	3.932	5.8901	21.45
103)	C	1,4-dichlorobenzene	5.554	6.144	6.019	7.647	7.256	5.467	4.970	4.103	5.8952	19.62
104)		sec-butylbenzene	1.307	1.376	1.363	1.632	1.575	1.206	1.039	0.794	1.2862	21.34
105)		1,2,3-trimethylbenzene	0.879	0.900	0.895	1.050	1.012	0.746	0.598	0.440	0.8150	25.57
106)		p-isopropyltoluene	1.133	1.174	1.174	1.397	1.310	0.984	0.759	0.536	1.0584	27.16
107)		1,2-dichlorobenzene	5.414	5.797	5.768	7.240	7.117	5.370	4.929	4.052	5.7109	18.60
108)		n-butylbenzene	0.868	0.936	0.945	1.154	1.138	0.881	0.805	0.653	0.9226	17.96

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Environmental Logic, LLC**	**Lab Number**	**: L2419731**
Project Name	**: 245 W. 55TH**	**Project Number**	**: 23-0001**
Instrument ID	**: AIRPIANO3**	**Ical Ref**	**: ICAL21001**
Calibration dates	**: 04/02/24 04:58 04/02/24 09:46**		

Calibration Files
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50 =R330099.D 100 =R330100.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
109)		indan	0.857	0.897	0.909	1.113	1.082	0.819	0.712	0.545	0.8668	21.35
110)		indene	5.403	5.865	6.074	7.692	7.610	5.912	5.366	4.495	6.0519	18.20
111)	C	1,2-dibromo-3-chloropropane	2.244	2.307	2.460	3.123	3.093	2.402	2.175	1.801	2.4505	18.43
112)		undecane	0.743	0.789	0.808	1.010	0.984	0.760	0.695	0.570	0.7950	18.19
113)		1,2,4,5-tetramethylbenzene	0.423	0.446	0.454	0.685	0.695	0.403	0.415	0.421	0.4927	24.96
114)		dodecane	0.678	0.734	0.768	1.055	1.023	0.740	0.670	0.564	0.7791	22.13
115)	C	1,2,4-trichlorobenzene	3.952	4.408	4.577	6.605	6.645	4.884	4.366	3.508	4.8682	23.82
116)		naphthalene	1.015	1.052	1.111	1.459	1.450	1.120	1.019	0.801	1.1284	19.85
117)		1,2,3-trichlorobenzene	4.014	4.135	4.250	5.753	5.684	4.384	4.032	3.260	4.4391	19.31
118)		benzothiophene	1.240	1.338	1.409	2.700	2.604	1.308	1.163	0.885	1.5809	43.01#
119)	C	hexachlorobutadiene	4.836	4.615	4.670	6.074	5.788	4.194	3.486	2.579	4.5304	25.16
120)		2-methylnaphthalene			2.608	7.154	7.383	3.663	3.351	2.957	4.5193	47.80#
121)		1-methylnaphthalene			0.375	1.003	1.002	0.539	0.461	0.378	0.6264	47.51#

Response Factor Report

Method Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Method File : TFS3_240401.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Wed Apr 03 14:05:38 2024
Response Via : Initial Calibration

Calibration Files
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50 =R330099.D 100 =R330100.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
1)	I	bromochloromethane	----------ISTD----------									
2)		chlorodifluoromethane	1.290	1.096	0.965	1.072	1.004	0.740	0.708	0.624	0.9374	24.27
3)		propylene		0.654	0.676	0.783	0.865	0.607	0.561	0.533	0.6683	17.88
4)		propane		0.655	0.644	0.729	0.691	0.522	0.487	0.437	0.5949	18.83
5)		dichlorodifluoromethane	1.123	1.157	1.131	1.405	1.331	0.956	0.879	0.739	1.0900	20.52
6)	C	chloromethane	0.537	0.555	0.563	0.682	0.654	0.487	0.459	0.422	0.5448	16.58
7)		Freon-114	1.338	1.391	1.393	1.698	1.604	1.158	1.002	0.777	1.2951	23.56
8)	C	methanol			0.320	0.274	0.256	0.187	0.173	0.152	0.2269	29.16
9)	C	vinyl chloride	0.594	0.618	0.623	0.767	0.734	0.545	0.507	0.454	0.6051	17.60
10)	C	1,3-butadiene	0.468	0.485	0.487	0.597	0.576	0.433	0.407	0.369	0.4779	16.37
11)		butane	1.321	1.260	1.251	1.478	1.408	1.057	0.982	0.876	1.2042	17.61
12)	C	acetaldehyde		0.233	0.228	0.265	0.251	0.186	0.156	0.129	0.2069	24.60
13)	C	bromomethane	0.466	0.483	0.483	0.594	0.567	0.420	0.389	0.350	0.4689	17.78
14)	C	chloroethane	0.320	0.309	0.322	0.393	0.375	0.278	0.263	0.240	0.3127	16.82
15)		ethanol			0.374	0.443	0.411	0.310	0.277	0.237	0.3421	23.48
16)		dichlorofluoromethane	1.568	1.302	1.209	1.359	1.268	0.937	0.851	0.741	1.1545	24.51
17)	C	vinyl bromide	0.337	0.366	0.379	0.516	0.418	0.343	0.318	0.267	0.3680	20.21
18)	C	acrolein		0.340	0.279	0.414	0.402	0.310	0.298	0.286	0.3327	16.57
19)		acetone	1.166	1.176	1.180	1.367	1.301	0.965	0.850	0.701	1.0884	21.04
20)	C	acetonitrile	0.556	0.540	0.535	0.796	0.592	0.496	0.533	0.412	0.5575	19.69
21)		trichlorofluoromethane	1.106	1.169	1.166	1.423	1.353	0.985	0.894	0.772	1.1084	19.90
22)		isopropyl alcohol	1.558	1.501	1.488	1.745	1.695	1.304	1.218	1.097	1.4509	15.67
23)	C	acrylonitrile	0.546	0.583	0.589	0.718	0.709	0.546	0.532	0.511	0.5917	13.41
24)		pentane	1.833	1.852	1.844	2.192	2.130	1.615	1.505	1.341	1.7889	16.35
25)		ethyl ether	1.028	1.067	1.095	1.312	1.261	0.950	0.864	0.757	1.0418	18.00
26)	C	1,1-dichloroethene	1.084	1.109	1.030	1.267	1.196	0.866	0.806	0.708	1.0084	19.47
27)		tertiary butyl alcohol		1.396	1.429	1.826	1.758	1.321	1.232	1.126	1.4410	18.11
28)	C	methylene chloride		0.836	0.817	0.978	0.953	0.708	0.676	0.636	0.8006	16.69
29)	C	3-chloropropene	1.221	1.248	1.262	1.573	1.528	1.158	1.105	1.030	1.2658	15.17
30)	C	carbon disulfide	2.499	2.586	2.595	3.179	3.071	2.287	2.040	1.670	2.4907	20.07
31)		Freon 113	1.389	1.359	1.368	1.646	1.581	1.164	1.057	0.907	1.3089	19.29

Response Factor Report

Method Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Method File : TFS3_240401.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Wed Apr 03 14:05:38 2024
Response Via : Initial Calibration

Calibration Files
0.2 =R330093.D 0.5 =R330094.D 1.0 =R330095.D 5.0 =R330096.D 10 =R330097.D 20 =R330098.D
50 =R330099.D 100 =R330100.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
32)		trans-1,2-dichloroethene	1.058	1.137	1.140	1.401	1.345	1.003	0.936	0.846	1.1082	17.23
33)	C	1,1-dichloroethane	1.395	1.466	1.480	1.834	1.764	1.309	1.224	1.109	1.4477	17.27
34)	C	MTBE	2.107	2.214	2.209	2.729	2.626	1.970	1.840	1.665	2.1699	16.81
35)	C	vinyl acetate			1.762	2.181	2.163	1.674	1.642	1.571	1.8323	14.75
36)	C	2-butanone		1.836	1.865	2.276	2.228	1.687	1.621	1.515	1.8612	15.75
37)		cis-1,2-dichloroethene	0.957	1.047	1.055	1.307	1.256	0.928	0.868	0.781	1.0250	17.78
38)		Ethyl Acetate	0.261	0.256	0.277	0.359	0.346	0.259	0.247	0.225	0.2787	17.22
39)	C	chloroform	1.253	1.258	1.269	1.561	1.501	1.110	1.021	0.889	1.2327	18.40
40)		Tetrahydrofuran	1.183	1.214	1.236	1.462	1.424	1.080	1.036	0.978	1.2016	14.46
41)		2,2-dichloropropane	1.037	1.106	1.112	1.350	1.304	0.981	0.893	0.766	1.0687	18.33
42)	C	1,2-dichloroethane	0.839	0.846	0.827	0.996	0.944	0.693	0.630	0.552	0.7911	19.39
43)	I	1,4-difluorobenzene	----------	ISTD	----------							
44)	C	hexane	0.372	0.384	0.387	0.465	0.452	0.340	0.316	0.286	0.3751	16.52
45)		diisopropyl ether	0.208	0.212	0.216	0.262	0.299	0.197	0.189	0.176	0.2198	18.58
46)		tert-butyl ethyl ether	0.669	0.703	0.719	0.875	0.849	0.644	0.610	0.564	0.7041	15.53
47)	s	1,2-dichloroethane-D4	0.221	0.225	0.227	0.226	0.224	0.218	0.208	0.202	0.2188	4.10
48)	C	1,1,1-trichloroethane	0.291	0.304	0.304	0.376	0.367	0.273	0.258	0.235	0.3011	16.38
49)		1,1-dichloropropene	0.337	0.355	0.360	0.438	0.484	0.326	0.314	0.295	0.3637	17.82
50)	C	benzene	0.887	0.862	0.838	1.028	1.010	0.760	0.726	0.678	0.8487	14.89
51)		thiophene	0.421	0.436	0.438	0.546	0.537	0.410	0.399	0.378	0.4454	13.97
52)	C	carbon tetrachloride	0.264	0.275	0.276	0.348	0.340	0.252	0.236	0.206	0.2746	17.66
53)		cyclohexane	0.379	0.396	0.399	0.485	0.481	0.360	0.348	0.337	0.3982	14.22
54)		tert-amyl methyl ether	0.726	0.743	0.754	0.934	0.917	0.698	0.668	0.621	0.7575	14.78
55)		dibromomethane	0.187	0.195	0.198	0.244	0.239	0.183	0.176	0.163	0.1980	14.61
56)	C	1,2-dichloropropane	0.284	0.296	0.294	0.371	0.362	0.270	0.257	0.239	0.2966	15.93
57)		bromodichloromethane	0.338	0.353	0.357	0.452	0.454	0.337	0.319	0.296	0.3632	16.13
58)	C	1,4-dioxane	0.155	0.157	0.162	0.204	0.199	0.156	0.154	0.147	0.1668	13.23
59)	C	trichloroethene	0.273	0.295	0.299	0.368	0.360	0.272	0.260	0.237	0.2954	15.77
60)	C	2,2,4-trimethylpentane	1.178	1.235	1.240	1.521	1.438	1.113	1.050	0.937	1.2141	15.90
61)		methyl methacrylate		0.271	0.291	0.389	0.394	0.303	0.294	0.282	0.3176	16.19
62)		heptane	0.523	0.535	0.541	0.669	0.656	0.500	0.480	0.448	0.5440	14.59

Response Factor Report

Method Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Method File : TFS3_240401.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Wed Apr 03 14:05:38 2024
Response Via : Initial Calibration

Calibration Files
0.2 =R330093.D 0.5 =R330094.D 1.0 =R330095.D 5.0 =R330096.D 10 =R330097.D 20 =R330098.D
50 =R330099.D 100 =R330100.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
63)	C	cis-1,3-dichloropropene	0.378	0.400	0.406	0.533	0.532	0.403	0.390	0.366	0.4258	15.76
64)	C	4-methyl-2-pentanone		0.603	0.619	0.789	0.781	0.592	0.570	0.538	0.6416	15.78
65)		trans-1,3-dichloropropene	0.253	0.287	0.306	0.412	0.416	0.318	0.310	0.293	0.3243	18.11
66)	C	1,1,2-trichloroethane	0.259	0.272	0.272	0.345	0.339	0.254	0.243	0.232	0.2769	15.32
67)	I	chlorobenzene-D5	----------	ISTD	----------							
68)	C	toluene	6.716	7.089	7.111	8.746	8.616	6.608	6.315	5.777	7.1221	14.78
69)	s	toluene-D8	6.658	6.954	6.863	6.873	6.873	7.103	7.129	7.260	6.9641	2.74
70)		2-methylthiophene	4.969	5.295	5.271	6.565	6.437	5.003	4.865	4.520	5.3655	13.83
71)		1,3-dichloropropane	3.520	3.814	3.791	4.667	4.604	3.640	3.501	3.237	3.8465	13.51
72)		2-hexanone	3.520	4.470	4.533	5.988	6.021	4.725	4.726	4.310	4.7864	17.61
73)		3-methylthiophene	5.303	5.777	5.585	6.981	6.785	5.266	5.041	4.596	5.6667	14.66
74)		dibromochloromethane	2.584	2.694	2.734	3.573	3.569	2.770	2.631	2.318	2.8591	16.12
75)	C	1,2-dibromoethane	3.139	3.516	3.477	4.399	4.354	3.324	3.156	2.805	3.5212	16.26
76)		butyl acetate		1.081	1.163	1.538	1.526	1.218	1.203	1.146	1.2678	14.66
77)		octane	3.342	3.088	3.009	3.564	3.508	2.770	2.694	2.512	3.0608	12.69
78)	C	tetrachloroethene	3.133	3.387	3.277	4.066	3.942	2.970	2.652	2.193	3.2026	19.44
79)		1,1,1,2-tetrachloroethane	2.261	2.297	2.295	2.892	2.834	2.206	2.048	1.669	2.3127	17.19
80)	C	chlorobenzene	6.059	6.302	6.294	7.806	7.549	5.761	5.154	4.236	6.1450	19.02
81)	C	ethylbenzene	0.841	0.894	0.893	1.114	1.097	0.830	0.791	0.702	0.8953	16.01
82)		2-ethylthiophene	5.629	6.153	6.163	7.713	7.608	5.838	5.541	4.891	6.1920	16.01
83)	C	m+p-xylene	7.164	7.207	7.258	9.011	8.808	6.662	6.194	5.138	7.1803	17.79
84)	C	bromoform	2.312	2.585	2.678	3.548	3.663	2.803	2.553	2.074	2.7769	20.14
85)	C	styrene	5.638	6.195	6.400	8.239	8.113	6.236	5.869	5.142	6.4791	17.29
86)	C	1,1,2,2-tetrachloroethane	4.771	5.165	5.185	6.529	6.457	4.995	4.542	3.518	5.1452	19.17
87)	C	o-xylene	6.994	7.450	7.417	9.071	8.752	6.656	5.927	4.652	7.1147	20.17
88)		1,2,3-trichloropropane	4.128	4.519	4.483	5.506	5.483	4.275	4.077	3.630	4.5125	14.76
89)		nonane	6.394	6.687	6.671	8.171	8.062	6.331	5.837	4.911	6.6330	16.28
90)	s	bromofluorobenzene	4.475	4.650	4.641	4.637	4.677	4.838	4.891	5.030	4.7300	3.73
91)	C	isopropylbenzene	0.985	1.070	1.054	1.277	1.246	0.945	0.846	0.693	1.0145	19.16
92)		bromobenzene	5.592	5.833	5.785	7.145	7.034	5.502	5.149	4.396	5.8047	15.76
93)		2-chlorotoluene	2.604	2.764	2.789	3.474	3.454	2.730	2.628	2.278	2.8402	14.68

Response Factor Report

Method Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Method File : TFS3_240401.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Wed Apr 03 14:05:38 2024
Response Via : Initial Calibration

Calibration Files
0.2 =R330093.D 0.5 =R330094.D 1.0 =R330095.D 5.0 =R330096.D 10 =R330097.D 20 =R330098.D
50 =R330099.D 100 =R330100.D

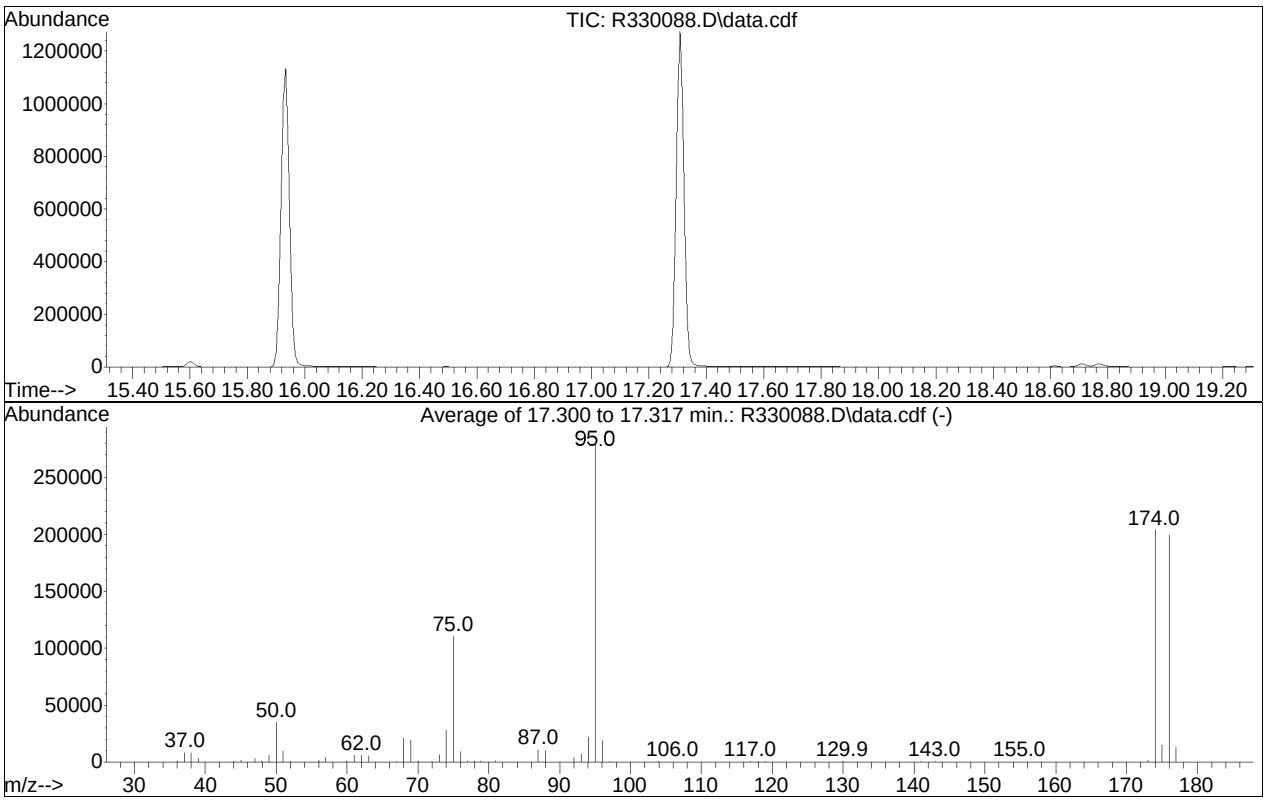
		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
94)		n-propylbenzene	3.111	3.362	3.341	4.161	4.076	3.209	3.003	2.464	3.3409	16.65
95)		4-chlorotoluene	2.654	2.728	2.717	3.326	3.300	2.596	2.535	2.257	2.7641	13.37
96)		4-ethyl toluene	0.990	1.091	1.094	1.357	1.320	0.999	0.892	0.730	1.0590	19.65
97)		1,3,5-trimethylbenzene	0.933	0.960	0.965	1.179	1.137	0.854	0.754	0.595	0.9221	20.71
98)		tert-butylbenzene	0.922	0.964	0.968	1.155	1.102	0.827	0.643	0.472	0.8818	25.96
99)		1,2,4-trimethylbenzene	0.898	0.958	0.961	1.177	1.110	0.808	0.650	0.518	0.8849	24.99
100)		decane	6.836	7.305	7.399	9.050	8.837	6.856	6.349	5.385	7.2520	16.81
101)	C	Benzyl Chloride	3.896	4.633	5.149	7.166	7.492	5.980	5.763	4.708	5.5982	22.43
102)		1,3-dichlorobenzene	5.079	6.006	6.016	7.577	7.656	5.795	5.062	3.932	5.8901	21.45
103)	C	1,4-dichlorobenzene	5.554	6.144	6.019	7.647	7.256	5.467	4.970	4.103	5.8952	19.62
104)		sec-butylbenzene	1.307	1.376	1.363	1.632	1.575	1.206	1.039	0.794	1.2862	21.34
105)		1,2,3-trimethylbenzene	0.879	0.900	0.895	1.050	1.012	0.746	0.598	0.440	0.8150	25.57
106)		p-isopropyltoluene	1.133	1.174	1.174	1.397	1.310	0.984	0.759	0.536	1.0584	27.16
107)		1,2-dichlorobenzene	5.414	5.797	5.768	7.240	7.117	5.370	4.929	4.052	5.7109	18.60
108)		n-butylbenzene	0.868	0.936	0.945	1.154	1.138	0.881	0.805	0.653	0.9226	17.96
109)		indan	0.857	0.897	0.909	1.113	1.082	0.819	0.712	0.545	0.8668	21.35
110)		indene	5.403	5.865	6.074	7.692	7.610	5.912	5.366	4.495	6.0519	18.20
111)	C	1,2-dibromo-3-chloropropane	2.244	2.307	2.460	3.123	3.093	2.402	2.175	1.801	2.4505	18.43
112)		undecane	0.743	0.789	0.808	1.010	0.984	0.760	0.695	0.570	0.7950	18.19
113)		1,2,4,5-tetramethylbenzene	0.423	0.446	0.454	0.685	0.695	0.403	0.415	0.421	0.4927	24.96
114)		dodecane	0.678	0.734	0.768	1.055	1.023	0.740	0.670	0.564	0.7791	22.13
115)	C	1,2,4-trichlorobenzene	3.952	4.408	4.577	6.605	6.645	4.884	4.366	3.508	4.8682	23.82
116)		naphthalene	1.015	1.052	1.111	1.459	1.450	1.120	1.019	0.801	1.1284	19.85
117)		1,2,3-trichlorobenzene	4.014	4.135	4.250	5.753	5.684	4.384	4.032	3.260	4.4391	19.31
118)		benzothiophene	1.240	1.338	1.409	2.700	2.604	1.308	1.163	0.885	1.5809	43.01#
119)	C	hexachlorobutadiene	4.836	4.615	4.670	6.074	5.788	4.194	3.486	2.579	4.5304	25.16
120)		2-methylnaphthalene			2.608	7.154	7.383	3.663	3.351	2.957	4.5193	47.80#
121)		1-methylnaphthalene			0.375	1.003	1.002	0.539	0.461	0.378	0.6264	47.51#

(#) = Out of Range

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330088.D
Acq On : 1 Apr 2024 5:43 PM
Operator : AIRPIANO3:BJB
Sample : WG1904448-1,3,250,250
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Integration File: rteint.p

Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Wed Apr 03 15:11:14 2024



Spectrum Information: Average of 17.300 to 17.317 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	12.4	34662	PASS
75	95	30	66	39.3	110398	PASS
95	95	100	100	100.0	280577	PASS
96	95	5	9	6.6	18569	PASS
173	174	0.00	2	0.9	1836	PASS
174	95	50	120	72.8	204284	PASS
175	174	4	9	7.3	15005	PASS
176	174	93	101	97.7	199499	PASS
177	176	5	9	6.5	12942	PASS

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330093.D
Acq On : 2 Apr 2024 4:58 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.2
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:16:47 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.825	49	321627	10.000	ppbV	0.00
Standard Area = 331916			Recovery = 96.90%			
43) 1,4-difluorobenzene	11.060	114	1123580	10.000	ppbV	0.00
Standard Area = 1150401			Recovery = 97.67%			
67) chlorobenzene-D5	15.817	54	134360	10.000	ppbV	0.00
Standard Area = 137697			Recovery = 97.58%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.692	65	247957	9.861	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.61%			
69) toluene-D8	13.917	98	894604	9.688	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.88%			
90) bromofluorobenzene	17.208	95	601289	9.569	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.69%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.702	51	8298	0.129	ppbV	99
3) propylene	3.732	41	5431M6	0.098	ppbV	
4) propane	3.750	29	4414	0.099	ppbV	96
5) dichlorodifluoromethane	3.798	85	7222	0.084	ppbV	99
6) chloromethane	3.954	50	3455	0.082	ppbV	97
7) Freon-114	4.056	85	8606	0.083	ppbV	99
8) methanol	4.122	31	10844	0.659	ppbV	90
9) vinyl chloride	4.176	62	3819	0.081	ppbV	98
10) 1,3-butadiene	4.314	54	3011	0.081	ppbV	96
11) butane	4.368	43	8497	0.094	ppbV	96
12) acetaldehyde	4.080	29	7770	0.481	ppbV	88
13) bromomethane	4.584	94	2997	0.082	ppbV	99
14) chloroethane	4.770	64	2061	0.085	ppbV	94
15) ethanol	4.908	31	11339	0.429	ppbV	95
16) dichlorofluoromethane	4.872	67	10085	0.124	ppbV	98
17) vinyl bromide	5.130	106	2166	0.081	ppbV	91
18) acrolein	5.273	56	1841	0.071	ppbV #	93
19) acetone	5.417	43	37508	0.448	ppbV #	99
20) acetonitrile	5.130	41	3576	0.094	ppbV	87
21) trichlorofluoromethane	5.583	101	7116	0.082	ppbV	96
22) isopropyl alcohol	5.700	45	25051	0.230	ppbV	100
23) acrylonitrile	5.920	53	3510	0.077	ppbV	94
24) pentane	5.980	43	11788	0.086	ppbV	99

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330093.D
Acq On : 2 Apr 2024 4:58 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.2
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:16:47 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) ethyl ether	6.020	31	6615	0.082	ppbV		98
26) 1,1-dichloroethene	6.280	61	6972	0.091	ppbV		97
27) tertiary butyl alcohol	6.370	59	8544	0.076	ppbV		97
28) methylene chloride	6.418	49	5540	0.090	ppbV		98
29) 3-chloropropene	6.550	41	7857	0.080	ppbV		100
30) carbon disulfide	6.718	76	16075	0.081	ppbV	#	87
31) Freon 113	6.718	101	8932	0.088	ppbV		98
32) trans-1,2-dichloroethene	7.467	61	6806	0.079	ppbV		98
33) 1,1-dichloroethane	7.692	63	8973	0.079	ppbV		96
34) MTBE	7.783	73	13556	0.080	ppbV		97
35) vinyl acetate	7.892	43	11560	0.083	ppbV		96
36) 2-butanone	8.167	43	11412	0.080	ppbV		99
37) cis-1,2-dichloroethene	8.642	61	6157	0.076	ppbV		97
38) Ethyl Acetate	8.942	61	1676	0.075	ppbV	#	53
39) chloroform	8.975	83	8060	0.084	ppbV		99
40) Tetrahydrofuran	9.467	42	7608	0.083	ppbV		98
41) 2,2-dichloropropane	9.000	77	6672	0.080	ppbV		93
42) 1,2-dichloroethane	9.817	62	5396	0.089	ppbV		96
44) hexane	8.892	57	8361	0.082	ppbV	#	42
45) diisopropyl ether	8.908	87	4664	0.069	ppbV		94
46) tert-butyl ethyl ether	9.525	59	15037	0.079	ppbV		99
48) 1,1,1-trichloroethane	10.100	97	6539	0.079	ppbV		97
49) 1,1-dichloropropene	10.473	75	7584	0.070	ppbV		97
50) benzene	10.633	78	19922	0.088	ppbV		99
51) thiophene	10.780	84	9451	0.078	ppbV		98
52) carbon tetrachloride	10.800	117	5940	0.078	ppbV		97
53) cyclohexane	10.947	56	8511	0.079	ppbV		95
54) tert-amyl methyl ether	11.347	73	16304	0.079	ppbV		100
55) dibromomethane	11.553	93	4203	0.078	ppbV		99
56) 1,2-dichloropropane	11.587	63	6382	0.078	ppbV		97
57) bromodichloromethane	11.813	83	7602	0.075	ppbV		98
58) 1,4-dioxane	11.900	88	3479	0.078	ppbV	#	65
59) trichloroethene	11.867	130	6125	0.076	ppbV		98
60) 2,2,4-trimethylpentane	11.913	57	26470	0.082	ppbV		99
61) methyl methacrylate	12.133	41	5307	0.060	ppbV		92
62) heptane	12.233	43	11748	0.080	ppbV		99
63) cis-1,3-dichloropropene	12.892	75	8491	0.071	ppbV		100
64) 4-methyl-2-pentanone	12.950	43	12641	0.072	ppbV		99
65) trans-1,3-dichloropropene	13.525	75	5675	0.061	ppbV		98
66) 1,1,2-trichloroethane	13.717	97	5812	0.076	ppbV		97

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330093.D
Acq On : 2 Apr 2024 4:58 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.2
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:16:47 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) toluene	14.033	91	18048	0.078	ppbV		99
70) 2-methylthiophene	14.108	97	13352	0.077	ppbV		94
71) 1,3-dichloropropane	14.075	76	9458	0.076	ppbV		99
72) 2-hexanone	14.367	43	9458	0.058	ppbV	#	95
73) 3-methylthiophene	14.308	97	14249	0.078	ppbV		98
74) dibromochloromethane	14.492	129	6943	0.072	ppbV		98
75) 1,2-dibromoethane	14.750	107	8435	0.072	ppbV		99
76) butyl acetate	15.017	73	2332	0.057	ppbV		96
77) octane	15.092	85	8980	0.095	ppbV		94
78) tetrachloroethene	15.217	166	8420	0.079	ppbV		98
79) 1,1,1,2-tetrachloroethane	15.850	131	6076	0.080	ppbV		98
80) chlorobenzene	15.858	112	16282	0.080	ppbV		98
81) ethylbenzene	16.217	91	22599	0.077	ppbV		99
82) 2-ethylthiophene	16.258	97	15126	0.074	ppbV		99
83) m+p-xylene	16.383	91	38503	0.163	ppbV		97
84) bromoform	16.450	173	6212	0.063	ppbV		98
85) styrene	16.717	104	15151	0.069	ppbV		99
86) 1,1,2,2-tetrachloroethane	16.808	83	12821	0.074	ppbV		100
87) o-xylene	16.808	91	18794	0.080	ppbV		100
88) 1,2,3-trichloropropane	16.925	75	11092	0.075	ppbV		96
89) nonane	17.008	43	17182	0.079	ppbV		99
91) isopropylbenzene	17.325	105	26470	0.079	ppbV		99
92) bromobenzene	17.400	77	15027	0.079	ppbV		99
93) 2-chlorotoluene	17.733	126	6997	0.075	ppbV		95
94) n-propylbenzene	17.758	120	8359	0.076	ppbV		94
95) 4-chlorotoluene	17.792	126	7132	0.080	ppbV		88
96) 4-ethyl toluene	17.883	105	26593	0.075	ppbV		98
97) 1,3,5-trimethylbenzene	17.942	105	25067	0.082	ppbV		96
98) tert-butylbenzene	18.283	119	24789	0.084	ppbV		100
99) 1,2,4-trimethylbenzene	18.292	105	24127	0.081	ppbV		97
100) decane	18.367	57	18369	0.077	ppbV		98
101) Benzyl Chloride	18.417	91	10468	0.052	ppbV		96
102) 1,3-dichlorobenzene	18.425	146	13647	0.066	ppbV		98
103) 1,4-dichlorobenzene	18.483	146	14926	0.077	ppbV		99
104) sec-butylbenzene	18.508	105	35112	0.083	ppbV		97
105) 1,2,3-trimethylbenzene	18.642	105	23611	0.087	ppbV		98
106) p-isopropyltoluene	18.642	119	30453	0.086	ppbV		93
107) 1,2-dichlorobenzene	18.758	146	14549	0.076	ppbV		96
108) n-butylbenzene	18.983	91	23328	0.076	ppbV		99
109) indan	18.808	117	23034	0.079	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330093.D
Acq On : 2 Apr 2024 4:58 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.2
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:16:47 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

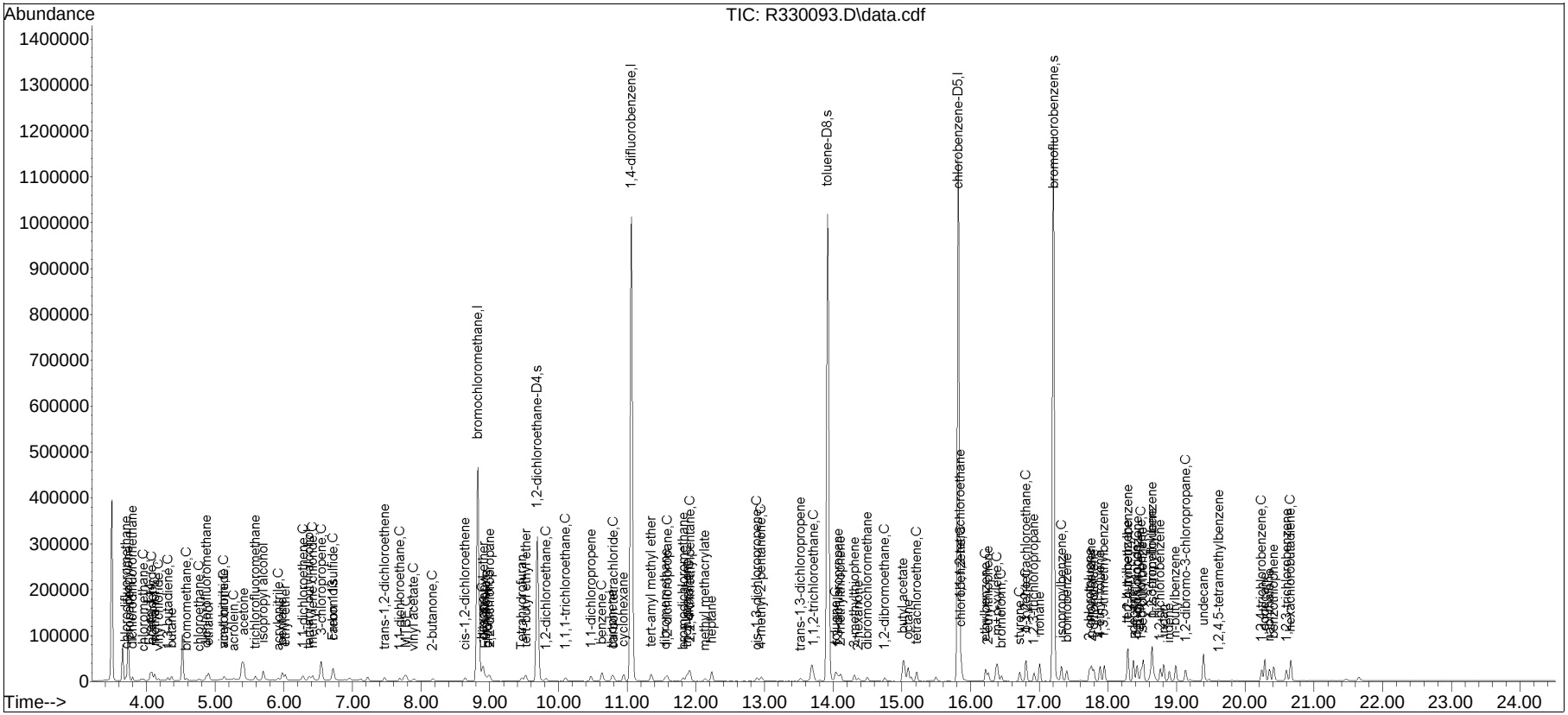
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	18.892	115	14518	0.071	ppbV	97
111) 1,2-dibromo-3-chloropr...	19.133	75	6031	0.073	ppbV	95
112) undecane	19.392	57	19974	0.076	ppbV	99
113) 1,2,4,5-tetramethylben...	19.617	119	1136	0.061	ppbV #	86
114) dodecane	20.283	57	18230	0.066	ppbV	99
115) 1,2,4-trichlorobenzene	20.233	180	10621	0.059	ppbV	98
116) naphthalene	20.350	128	27271	0.070	ppbV	98
117) 1,2,3-trichlorobenzene	20.600	180	10787	0.071	ppbV	99
118) benzothiophene	20.408	134	33315	0.048	ppbV	98
119) hexachlorobutadiene	20.658	225	12996	0.084	ppbV	97
120) 2-methylnaphthalene	21.467		0	N.D.		
121) 1-methylnaphthalene	21.650		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default - All compounds listed24\04\0401T_I\R330097.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330093.D
Acq On : 2 Apr 2024 4:58 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.2
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:16:47 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

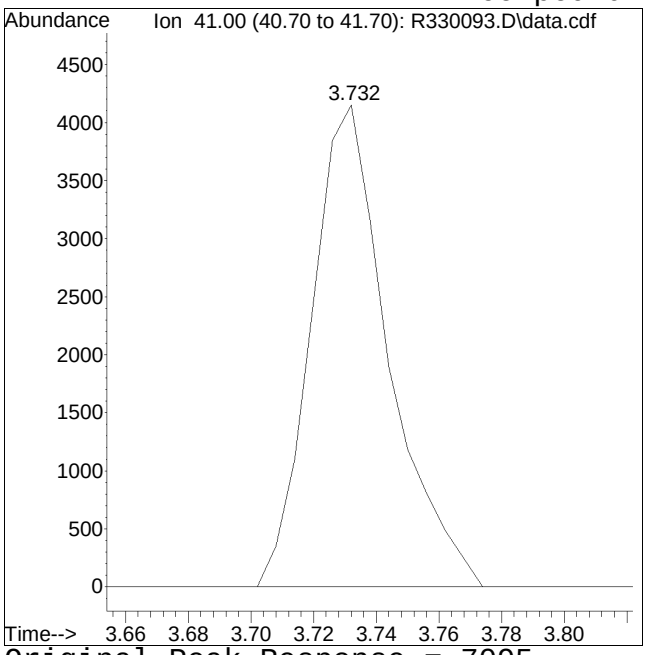


Manual Integration Report

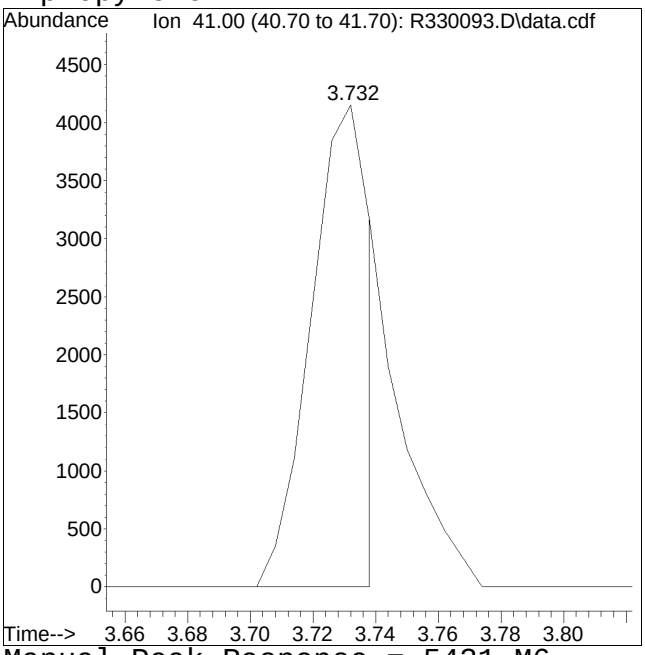
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330093.D
Date Inj'd : 4/2/2020 0:4: 8
Sample : ITO15-SIMSTD0.2

Method : TFS3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 1:16 pm

Compound #3: propylene



Original Peak Response = 7095



Manual Peak Response = 5431 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330094.D
Acq On : 2 Apr 2024 5:39 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.5
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:16:54 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.825	49	320371	10.000	ppbV	0.00
Standard Area = 331916			Recovery = 96.52%			
43) 1,4-difluorobenzene	11.060	114	1126004	10.000	ppbV	0.00
Standard Area = 1150401			Recovery = 97.88%			
67) chlorobenzene-D5	15.817	54	132904	10.000	ppbV	0.00
Standard Area = 137697			Recovery = 96.52%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.692	65	252967	10.038	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.38%			
69) toluene-D8	13.917	98	924158	10.117	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.17%			
90) bromofluorobenzene	17.200	95	618055	9.943	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.43%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.696	51	17555	0.273	ppbV	99
3) propylene	3.726	41	10473M6	0.189	ppbV	
4) propane	3.750	29	10497	0.237	ppbV	94
5) dichlorodifluoromethane	3.792	85	18530	0.217	ppbV	98
6) chloromethane	3.954	50	8889	0.212	ppbV	100
7) Freon-114	4.056	85	22289	0.217	ppbV	99
8) methanol	4.116	31	26242	1.602	ppbV	96
9) vinyl chloride	4.170	62	9892	0.210	ppbV	98
10) 1,3-butadiene	4.308	54	7761	0.210	ppbV	99
11) butane	4.362	43	20186	0.224	ppbV	98
12) acetaldehyde	4.074	29	18662	1.160	ppbV	98
13) bromomethane	4.584	94	7737	0.213	ppbV	98
14) chloroethane	4.764	64	4952	0.206	ppbV	98
15) ethanol	4.902	31	30125	1.145	ppbV	98
16) dichlorofluoromethane	4.866	67	20859	0.257	ppbV	100
17) vinyl bromide	5.130	106	5864	0.219	ppbV	95
18) acrolein	5.263	56	5443	0.211	ppbV	97
19) acetone	5.410	43	94210	1.130	ppbV	99
20) acetonitrile	5.124	41	8643	0.228	ppbV	94
21) trichlorofluoromethane	5.587	101	18731	0.216	ppbV	100
22) isopropyl alcohol	5.690	45	60115	0.553	ppbV	100
23) acrylonitrile	5.910	53	9336	0.206	ppbV	97
24) pentane	5.977	43	29674	0.217	ppbV	99

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330094.D
Acq On : 2 Apr 2024 5:39 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.5
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:16:54 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) ethyl ether	6.013	31	17094	0.212	ppbV		99
26) 1,1-dichloroethene	6.274	61	17769	0.232	ppbV		99
27) tertiary butyl alcohol	6.352	59	22357	0.199	ppbV		98
28) methylene chloride	6.418	49	13387	0.219	ppbV		99
29) 3-chloropropene	6.550	41	19998	0.204	ppbV		98
30) carbon disulfide	6.712	76	41429	0.211	ppbV		96
31) Freon 113	6.718	101	21765	0.215	ppbV		100
32) trans-1,2-dichloroethene	7.467	61	18207	0.211	ppbV		99
33) 1,1-dichloroethane	7.683	63	23484	0.208	ppbV		99
34) MTBE	7.775	73	35461	0.211	ppbV		99
35) vinyl acetate	7.883	43	28962	0.209	ppbV		98
36) 2-butanone	8.158	43	29405	0.206	ppbV		100
37) cis-1,2-dichloroethene	8.642	61	16769	0.208	ppbV		97
38) Ethyl Acetate	8.933	61	4102	0.185	ppbV		60
39) chloroform	8.975	83	20156	0.210	ppbV		100
40) Tetrahydrofuran	9.450	42	19447	0.213	ppbV		99
41) 2,2-dichloropropane	9.000	77	17715	0.212	ppbV		97
42) 1,2-dichloroethane	9.817	62	13557	0.224	ppbV		98
44) hexane	8.892	57	21614	0.212	ppbV	#	54
45) diisopropyl ether	8.900	87	11949	0.178	ppbV		99
46) tert-butyl ethyl ether	9.517	59	39572	0.207	ppbV		100
48) 1,1,1-trichloroethane	10.100	97	17106	0.207	ppbV		100
49) 1,1-dichloropropene	10.473	75	19980	0.183	ppbV		99
50) benzene	10.633	78	48548	0.213	ppbV		99
51) thiophene	10.780	84	24526	0.203	ppbV		100
52) carbon tetrachloride	10.800	117	15457	0.202	ppbV		98
53) cyclohexane	10.947	56	22315	0.206	ppbV		99
54) tert-amyl methyl ether	11.340	73	41848	0.203	ppbV		99
55) dibromomethane	11.553	93	10968	0.204	ppbV		98
56) 1,2-dichloropropane	11.580	63	16640	0.204	ppbV		99
57) bromodichloromethane	11.813	83	19880	0.195	ppbV		100
58) 1,4-dioxane	11.887	88	8854	0.197	ppbV	#	77
59) trichloroethene	11.867	130	16612	0.205	ppbV		98
60) 2,2,4-trimethylpentane	11.913	57	69556	0.215	ppbV		99
61) methyl methacrylate	12.127	41	15261	0.172	ppbV		98
62) heptane	12.233	43	30145	0.204	ppbV		99
63) cis-1,3-dichloropropene	12.883	75	22500	0.188	ppbV		100
64) 4-methyl-2-pentanone	12.942	43	33944	0.193	ppbV		99
65) trans-1,3-dichloropropene	13.517	75	16154	0.173	ppbV		97
66) 1,1,2-trichloroethane	13.708	97	15287	0.200	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330094.D
Acq On : 2 Apr 2024 5:39 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.5
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:16:54 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	14.033	91	47107	0.206	ppbV	100
70) 2-methylthiophene	14.108	97	35189	0.206	ppbV	98
71) 1,3-dichloropropane	14.067	76	25344	0.207	ppbV	100
72) 2-hexanone	14.350	43	29702	0.186	ppbV	98
73) 3-methylthiophene	14.308	97	38386	0.213	ppbV	98
74) dibromochloromethane	14.492	129	17899	0.189	ppbV	99
75) 1,2-dibromoethane	14.750	107	23362	0.202	ppbV	97
76) butyl acetate	15.008	73	7181	0.177	ppbV	98
77) octane	15.092	85	20521	0.220	ppbV	94
78) tetrachloroethene	15.217	166	22510	0.215	ppbV	98
79) 1,1,1,2-tetrachloroethane	15.850	131	15261	0.203	ppbV	99
80) chlorobenzene	15.858	112	41879	0.209	ppbV	99
81) ethylbenzene	16.217	91	59411	0.204	ppbV	100
82) 2-ethylthiophene	16.258	97	40889	0.202	ppbV	98
83) m+p-xylene	16.383	91	95787	0.409	ppbV	100
84) bromoform	16.450	173	17179	0.176	ppbV	99
85) styrene	16.708	104	41165	0.191	ppbV	99
86) 1,1,2,2-tetrachloroethane	16.808	83	34323	0.200	ppbV	100
87) o-xylene	16.800	91	49508	0.213	ppbV	99
88) 1,2,3-trichloropropane	16.917	75	30028	0.206	ppbV	98
89) nonane	17.008	43	44436	0.207	ppbV	99
91) isopropylbenzene	17.317	105	71080	0.215	ppbV	100
92) bromobenzene	17.400	77	38764	0.207	ppbV	98
93) 2-chlorotoluene	17.725	126	18370	0.200	ppbV	95
94) n-propylbenzene	17.758	120	22342	0.206	ppbV	98
95) 4-chlorotoluene	17.792	126	18129	0.207	ppbV	94
96) 4-ethyl toluene	17.883	105	72497	0.207	ppbV	99
97) 1,3,5-trimethylbenzene	17.942	105	63785	0.211	ppbV	99
98) tert-butylbenzene	18.283	119	64078	0.219	ppbV	98
99) 1,2,4-trimethylbenzene	18.292	105	63640	0.216	ppbV	94
100) decane	18.367	57	48540	0.207	ppbV	98
101) Benzyl Chloride	18.408	91	30784	0.155	ppbV	99
102) 1,3-dichlorobenzene	18.425	146	39909	0.196	ppbV	100
103) 1,4-dichlorobenzene	18.475	146	40831	0.212	ppbV	98
104) sec-butylbenzene	18.508	105	91422	0.218	ppbV	97
105) 1,2,3-trimethylbenzene	18.642	105	59815	0.222	ppbV	100
106) p-isopropyltoluene	18.642	119	77997	0.224	ppbV	94
107) 1,2-dichlorobenzene	18.758	146	38519	0.204	ppbV	96
108) n-butylbenzene	18.983	91	62213	0.206	ppbV	100
109) indan	18.808	117	59619	0.207	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330094.D
Acq On : 2 Apr 2024 5:39 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.5
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:16:54 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

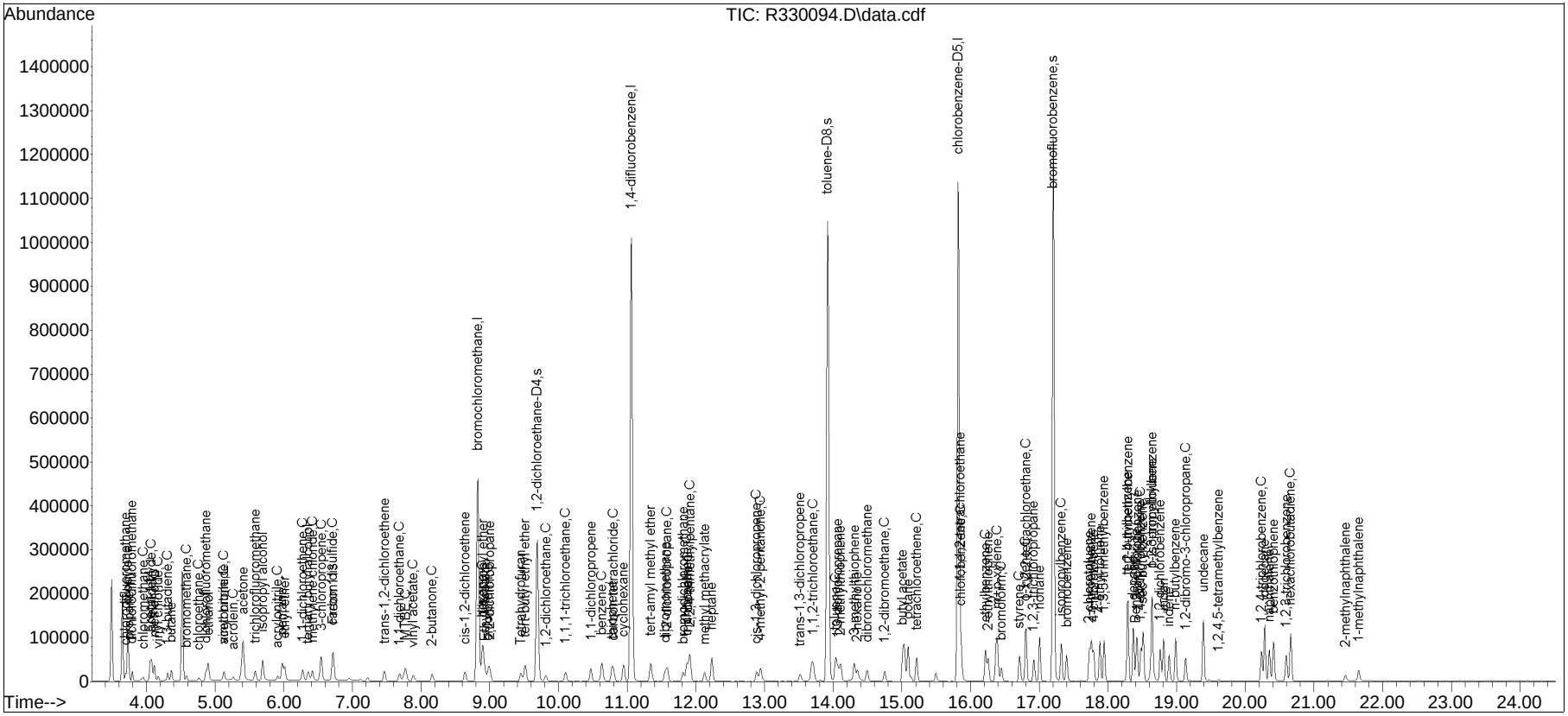
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	18.892	115	38972	0.193	ppbV	100
111) 1,2-dibromo-3-chloropr...	19.133	75	15329	0.186	ppbV	96
112) undecane	19.392	57	52444	0.201	ppbV	99
113) 1,2,4,5-tetramethylben...	19.608	119	2964	0.160	ppbV	93
114) dodecane	20.283	57	48758	0.179	ppbV	100
115) 1,2,4-trichlorobenzene	20.233	180	29289	0.166	ppbV	99
116) naphthalene	20.350	128	69926	0.181	ppbV	98
117) 1,2,3-trichlorobenzene	20.592	180	27478	0.182	ppbV	98
118) benzothiophene	20.408	134	88911	0.128	ppbV	97
119) hexachlorobutadiene	20.658	225	30670	0.199	ppbV	98
120) 2-methylnaphthalene	21.458	142	13527	0.069	ppbV	99
121) 1-methylnaphthalene	21.650	142	22400	0.084	ppbV	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default - All compounds listed24\04\0401T_I\R330097.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330094.D
Acq On : 2 Apr 2024 5:39 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.5
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:16:54 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

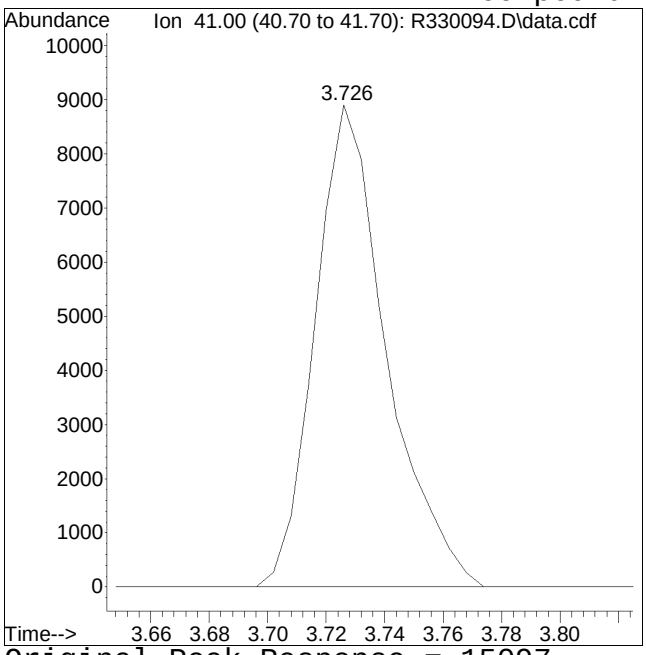


Manual Integration Report

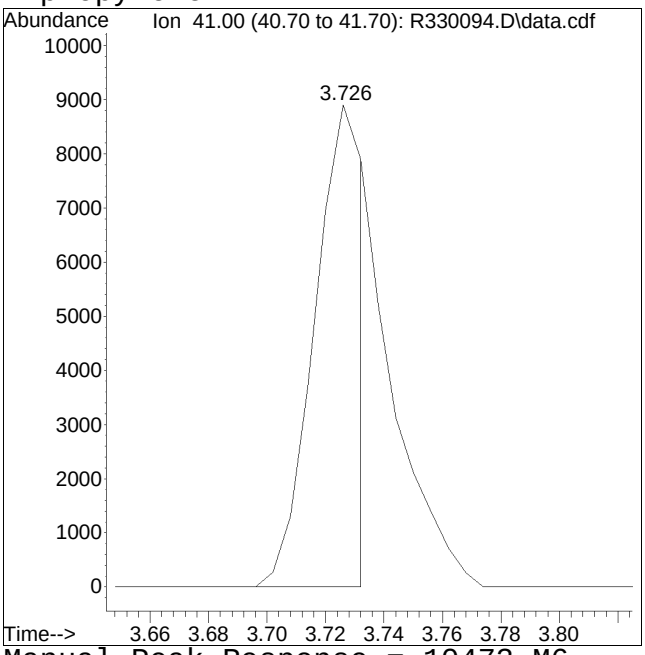
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330094.D
Date Inj'd : 4/2/2020 0:5: 9
Sample : ITO15-SIMSTD0.5

Method : TFS3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 1:16 pm

Compound #3: propylene



Original Peak Response = 15097



Manual Peak Response = 10473 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330095.D
Acq On : 2 Apr 2024 6:21 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD1.0
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:17:01 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.817	49	325345	10.000	ppbV	0.00
Standard Area = 331916			Recovery = 98.02%			
43) 1,4-difluorobenzene	11.053	114	1140509	10.000	ppbV	0.00
Standard Area = 1150401			Recovery = 99.14%			
67) chlorobenzene-D5	15.817	54	137234	10.000	ppbV	0.00
Standard Area = 137697			Recovery = 99.66%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.683	65	258689	10.135	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.35%			
69) toluene-D8	13.917	98	941793	9.985	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.85%			
90) bromofluorobenzene	17.200	95	636949	9.924	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.24%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.696	51	31388	0.481	ppbV	99
3) propylene	3.726	41	22004M6	0.391	ppbV	
4) propane	3.744	29	20937	0.466	ppbV	97
5) dichlorodifluoromethane	3.792	85	36788	0.425	ppbV	100
6) chloromethane	3.948	50	18303	0.430	ppbV	99
7) Freon-114	4.050	85	45320	0.434	ppbV	100
8) methanol	4.110	31	52044	3.129	ppbV	98
9) vinyl chloride	4.170	62	20254	0.424	ppbV	100
10) 1,3-butadiene	4.308	54	15852	0.423	ppbV	98
11) butane	4.362	43	40706	0.444	ppbV	99
12) acetaldehyde	4.074	29	37112	2.272	ppbV	99
13) bromomethane	4.578	94	15723	0.426	ppbV	100
14) chloroethane	4.758	64	10464	0.428	ppbV	99
15) ethanol	4.890	31	60912	2.280	ppbV	99
16) dichlorofluoromethane	4.866	67	39344	0.477	ppbV	99
17) vinyl bromide	5.130	106	12339	0.454	ppbV	99
18) acrolein	5.260	56	9068	0.347	ppbV	95
19) acetone	5.400	43	191983	2.267	ppbV	98
20) acetonitrile	5.118	41	17415	0.452	ppbV	97
21) trichlorofluoromethane	5.580	101	37928	0.431	ppbV	98
22) isopropyl alcohol	5.680	45	121026	1.097	ppbV	100
23) acrylonitrile	5.907	53	19172	0.416	ppbV	97
24) pentane	5.973	43	59981	0.433	ppbV	99

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330095.D
Acq On : 2 Apr 2024 6:21 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD1.0
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:17:01 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) ethyl ether	6.007	31	35616	0.434	ppbV		98
26) 1,1-dichloroethene	6.274	61	33523	0.431	ppbV		99
27) tertiary butyl alcohol	6.340	59	46495	0.407	ppbV		99
28) methylene chloride	6.418	49	26584	0.429	ppbV		98
29) 3-chloropropene	6.544	41	41056	0.413	ppbV		98
30) carbon disulfide	6.712	76	84419	0.422	ppbV		97
31) Freon 113	6.712	101	44511	0.433	ppbV		99
32) trans-1,2-dichloroethene	7.458	61	37097	0.424	ppbV		99
33) 1,1-dichloroethane	7.683	63	48154	0.420	ppbV		99
34) MTBE	7.758	73	71875	0.421	ppbV		99
35) vinyl acetate	7.875	43	57314	0.407	ppbV		99
36) 2-butanone	8.150	43	60682	0.419	ppbV		100
37) cis-1,2-dichloroethene	8.633	61	34336	0.420	ppbV		99
38) Ethyl Acetate	8.925	61	9002	0.400	ppbV		61
39) chloroform	8.975	83	41283	0.423	ppbV		99
40) Tetrahydrofuran	9.433	42	40200	0.434	ppbV		99
41) 2,2-dichloropropane	9.000	77	36176	0.426	ppbV		96
42) 1,2-dichloroethane	9.808	62	26922	0.438	ppbV		98
44) hexane	8.892	57	44182	0.429	ppbV	#	64
45) diisopropyl ether	8.892	87	24595	0.361	ppbV		99
46) tert-butyl ethyl ether	9.508	59	81982	0.423	ppbV		99
48) 1,1,1-trichloroethane	10.100	97	34660	0.414	ppbV		99
49) 1,1-dichloropropene	10.467	75	41107	0.372	ppbV		100
50) benzene	10.627	78	95604	0.415	ppbV		100
51) thiophene	10.773	84	50010	0.409	ppbV		99
52) carbon tetrachloride	10.800	117	31454	0.405	ppbV		99
53) cyclohexane	10.947	56	45541	0.415	ppbV		98
54) tert-amyl methyl ether	11.333	73	85952	0.411	ppbV		100
55) dibromomethane	11.547	93	22624	0.416	ppbV		98
56) 1,2-dichloropropane	11.580	63	33483	0.405	ppbV		99
57) bromodichloromethane	11.807	83	40772	0.394	ppbV		100
58) 1,4-dioxane	11.873	88	18473	0.406	ppbV		91
59) trichloroethene	11.860	130	34048	0.415	ppbV		99
60) 2,2,4-trimethylpentane	11.907	57	141401	0.431	ppbV		99
61) methyl methacrylate	12.120	41	33152	0.369	ppbV		99
62) heptane	12.233	43	61672	0.412	ppbV		99
63) cis-1,3-dichloropropene	12.883	75	46275	0.381	ppbV		98
64) 4-methyl-2-pentanone	12.933	43	70561	0.396	ppbV		100
65) trans-1,3-dichloropropene	13.508	75	34863	0.368	ppbV		99
66) 1,1,2-trichloroethane	13.708	97	31035	0.401	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330095.D
Acq On : 2 Apr 2024 6:21 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD1.0
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:17:01 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	14.033	91	97582	0.413	ppbV	100
70) 2-methylthiophene	14.100	97	72330	0.409	ppbV	98
71) 1,3-dichloropropane	14.067	76	52020	0.412	ppbV	98
72) 2-hexanone	14.342	43	62202	0.376	ppbV	100
73) 3-methylthiophene	14.300	97	76649	0.412	ppbV	99
74) dibromochloromethane	14.492	129	37520	0.383	ppbV	97
75) 1,2-dibromoethane	14.742	107	47714	0.399	ppbV	99
76) butyl acetate	15.000	73	15964	0.381	ppbV	97
77) octane	15.083	85	41293	0.429	ppbV	99
78) tetrachloroethene	15.208	166	44975	0.416	ppbV	98
79) 1,1,1,2-tetrachloroethane	15.842	131	31491	0.405	ppbV	98
80) chlorobenzene	15.858	112	86374	0.417	ppbV	98
81) ethylbenzene	16.217	91	122598	0.407	ppbV	99
82) 2-ethylthiophene	16.250	97	84575	0.405	ppbV	99
83) m+p-xylene	16.375	91	199208	0.824	ppbV	99
84) bromoform	16.442	173	36750	0.366	ppbV	98
85) styrene	16.708	104	87830	0.394	ppbV	99
86) 1,1,2,2-tetrachloroethane	16.800	83	71151	0.402	ppbV	99
87) o-xylene	16.800	91	101780	0.424	ppbV	99
88) 1,2,3-trichloropropane	16.917	75	61524	0.409	ppbV	98
89) nonane	17.000	43	91548	0.414	ppbV	99
91) isopropylbenzene	17.317	105	144663	0.423	ppbV	99
92) bromobenzene	17.392	77	79393	0.411	ppbV	96
93) 2-chlorotoluene	17.725	126	38269	0.404	ppbV	99
94) n-propylbenzene	17.758	120	45854	0.410	ppbV	96
95) 4-chlorotoluene	17.783	126	37280	0.412	ppbV	85
96) 4-ethyl toluene	17.883	105	150096	0.414	ppbV	98
97) 1,3,5-trimethylbenzene	17.942	105	132429	0.424	ppbV	97
98) tert-butylbenzene	18.283	119	132824	0.439	ppbV	97
99) 1,2,4-trimethylbenzene	18.292	105	131816	0.433	ppbV	92
100) decane	18.367	57	101542	0.419	ppbV	98
101) Benzyl Chloride	18.408	91	70665	0.344	ppbV	98
102) 1,3-dichlorobenzene	18.417	146	82556	0.393	ppbV	100
103) 1,4-dichlorobenzene	18.475	146	82599	0.415	ppbV	99
104) sec-butylbenzene	18.508	105	187000	0.433	ppbV	97
105) 1,2,3-trimethylbenzene	18.642	105	122761	0.442	ppbV	100
106) p-isopropyltoluene	18.633	119	161169	0.448	ppbV	95
107) 1,2-dichlorobenzene	18.758	146	79156	0.405	ppbV	100
108) n-butylbenzene	18.983	91	129690	0.415	ppbV	98
109) indan	18.808	117	124734	0.420	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330095.D
Acq On : 2 Apr 2024 6:21 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD1.0
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:17:01 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

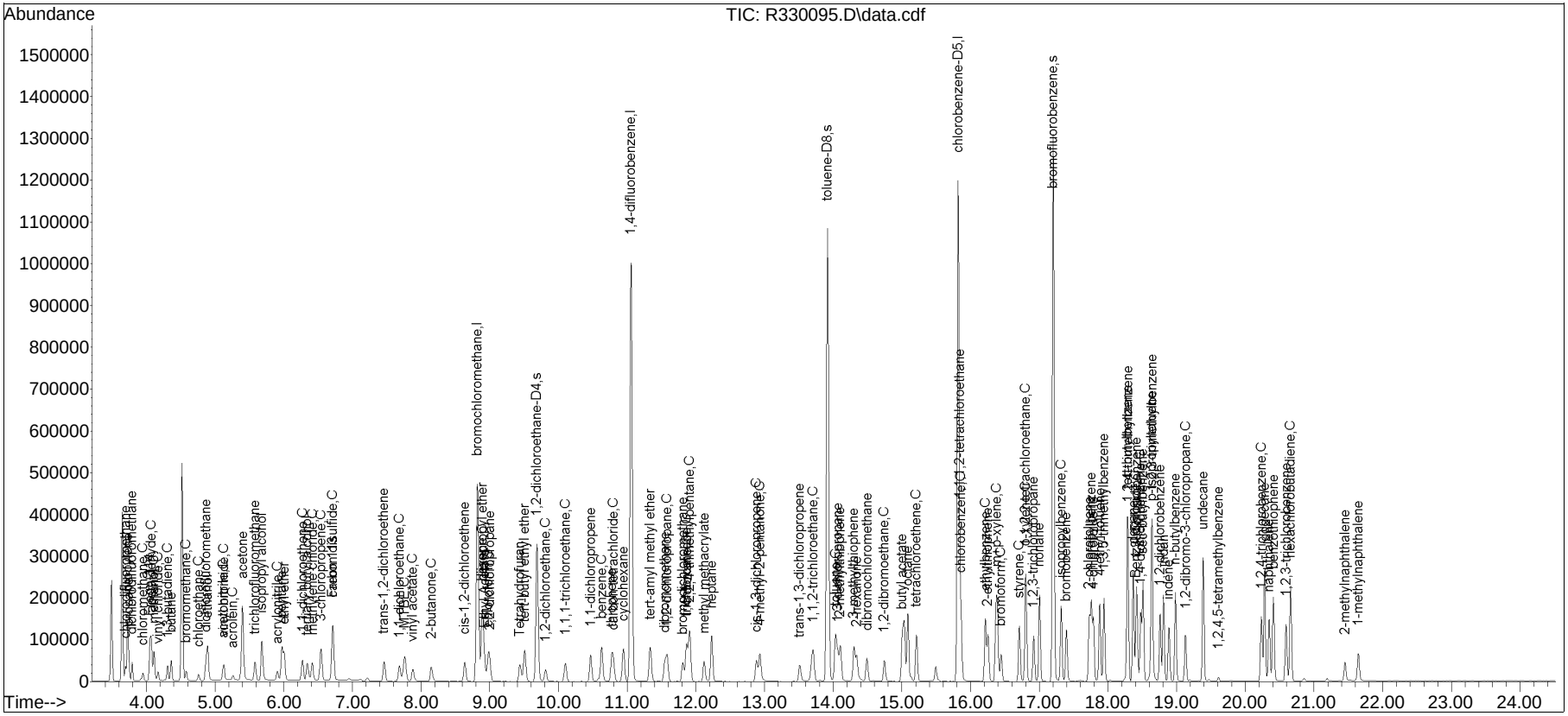
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	18.883	115	83350	0.399	ppbV	98
111) 1,2-dibromo-3-chloropr...	19.133	75	33756	0.398	ppbV	93
112) undecane	19.383	57	110852	0.411	ppbV	98
113) 1,2,4,5-tetramethylben...	19.608	119	6226	0.326	ppbV	99
114) dodecane	20.283	57	105408	0.375	ppbV	100
115) 1,2,4-trichlorobenzene	20.233	180	62816	0.344	ppbV	98
116) naphthalene	20.342	128	152526	0.383	ppbV	100
117) 1,2,3-trichlorobenzene	20.592	180	58326	0.374	ppbV	99
118) benzothiophene	20.408	134	193400	0.271	ppbV	98
119) hexachlorobutadiene	20.658	225	64092	0.403	ppbV	98
120) 2-methylnaphthalene	21.450	142	35791	0.177	ppbV	97
121) 1-methylnaphthalene	21.642	142	51508	0.187	ppbV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default - All compounds listed24\04\0401T_I\R330097.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330095.D
Acq On : 2 Apr 2024 6:21 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD1.0
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:17:01 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

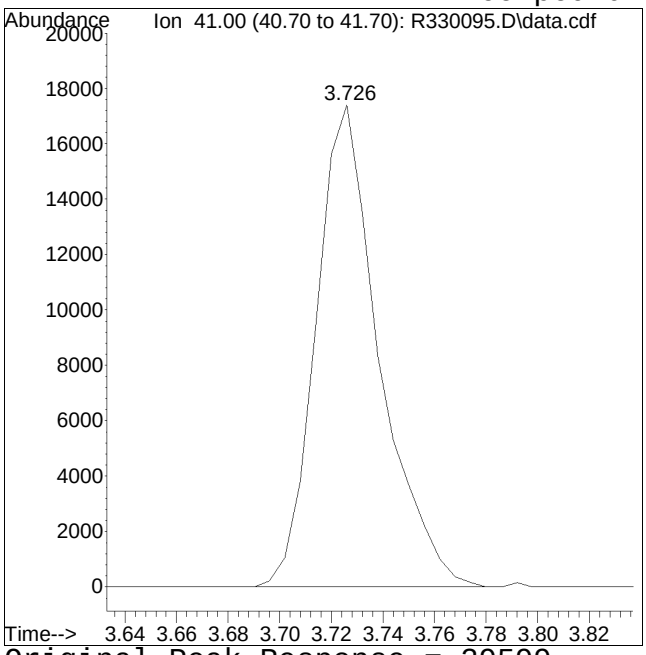


Manual Integration Report

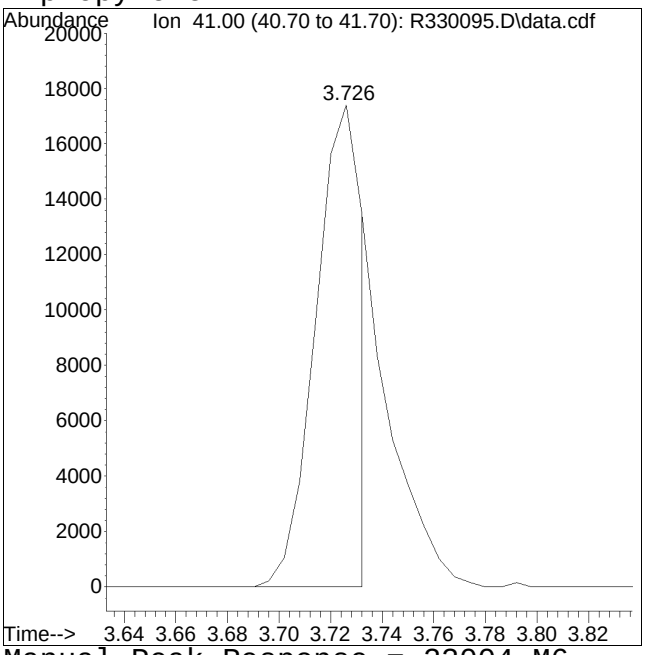
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330095.D
Date Inj'd : 4/2/2020 0:6: 1
Sample : ITO15-SIMSTD1.0

Method : TFS3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 1:17 pm

Compound #3: propylene



Original Peak Response = 29599



Manual Peak Response = 22004 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330096.D
Acq On : 2 Apr 2024 7:02 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD5.0
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:17:07 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.817	49	320935	10.000	ppbV	0.00
Standard Area = 331916			Recovery = 96.69%			
43) 1,4-difluorobenzene	11.053	114	1128443	10.000	ppbV	0.00
Standard Area = 1150401			Recovery = 98.09%			
67) chlorobenzene-D5	15.817	54	135745	10.000	ppbV	0.00
Standard Area = 137697			Recovery = 98.58%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.683	65	255244	10.107	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.07%			
69) toluene-D8	13.917	98	932998	10.000	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
90) bromofluorobenzene	17.200	95	629516	9.916	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.16%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.696	51	172036	2.670	ppbV	100
3) propylene	3.726	41	125626M6	2.263	ppbV	
4) propane	3.744	29	116983	2.637	ppbV	98
5) dichlorodifluoromethane	3.792	85	225484	2.639	ppbV	99
6) chloromethane	3.948	50	109431	2.606	ppbV	100
7) Freon-114	4.050	85	272437	2.646	ppbV	99
8) methanol	4.110	31	220102	13.413	ppbV	99
9) vinyl chloride	4.170	62	123090	2.613	ppbV	99
10) 1,3-butadiene	4.308	54	95875	2.594	ppbV	100
11) butane	4.362	43	237239	2.625	ppbV	99
12) acetaldehyde	4.068	29	212855	13.209	ppbV	99
13) bromomethane	4.578	94	95287	2.618	ppbV	99
14) chloroethane	4.758	64	63055	2.618	ppbV	100
15) ethanol	4.884	31	355590	13.495	ppbV	99
16) dichlorofluoromethane	4.866	67	218066	2.679	ppbV	99
17) vinyl bromide	5.130	106	82759	3.084	ppbV	99
18) acrolein	5.257	56	66416	2.573	ppbV	99
19) acetone	5.390	43	1096595	13.128	ppbV	99
20) acetonitrile	5.112	41	127722	3.363	ppbV	97
21) trichlorofluoromethane	5.583	101	228277	2.628	ppbV	100
22) isopropyl alcohol	5.667	45	699844	6.431	ppbV	100
23) acrylonitrile	5.900	53	115253	2.534	ppbV	99
24) pentane	5.977	43	351732	2.573	ppbV	100

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330096.D
Acq On : 2 Apr 2024 7:02 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD5.0
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:17:07 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	5.997	31	210574	2.601	ppbV	100
26) 1,1-dichloroethene	6.274	61	203382	2.650	ppbV	99
27) tertiary butyl alcohol	6.322	59	293065	2.598	ppbV	99
28) methylene chloride	6.412	49	156881	2.564	ppbV	100
29) 3-chloropropene	6.544	41	252360	2.573	ppbV	99
30) carbon disulfide	6.712	76	510062	2.588	ppbV	100
31) Freon 113	6.712	101	264209	2.604	ppbV	99
32) trans-1,2-dichloroethene	7.458	61	224744	2.604	ppbV	99
33) 1,1-dichloroethane	7.683	63	294349	2.600	ppbV	99
34) MTBE	7.750	73	437861	2.598	ppbV	100
35) vinyl acetate	7.875	43	350020	2.521	ppbV	100
36) 2-butanone	8.133	43	365263	2.554	ppbV	100
37) cis-1,2-dichloroethene	8.633	61	209787	2.602	ppbV	98
38) Ethyl Acetate	8.908	61	57600	2.593	ppbV	95
39) chloroform	8.975	83	250447	2.600	ppbV	99
40) Tetrahydrofuran	9.417	42	234608	2.567	ppbV	100
41) 2,2-dichloropropane	8.992	77	216667	2.589	ppbV	98
42) 1,2-dichloroethane	9.808	62	159868	2.637	ppbV	99
44) hexane	8.892	57	262207	2.572	ppbV	92
45) diisopropyl ether	8.883	87	147936	2.194	ppbV	96
46) tert-butyl ethyl ether	9.500	59	493515	2.576	ppbV	99
48) 1,1,1-trichloroethane	10.100	97	212168	2.561	ppbV	100
49) 1,1-dichloropropene	10.467	75	247156	2.263	ppbV	99
50) benzene	10.627	78	579982	2.544	ppbV	100
51) thiophene	10.773	84	307814	2.542	ppbV	100
52) carbon tetrachloride	10.800	117	196340	2.557	ppbV	99
53) cyclohexane	10.947	56	273639	2.520	ppbV	100
54) tert-amyl methyl ether	11.327	73	526936	2.547	ppbV	99
55) dibromomethane	11.547	93	137584	2.555	ppbV	98
56) 1,2-dichloropropane	11.580	63	209393	2.562	ppbV	100
57) bromodichloromethane	11.807	83	254914	2.490	ppbV	99
58) 1,4-dioxane	11.853	88	115243	2.560	ppbV	98
59) trichloroethene	11.860	130	207574	2.556	ppbV	99
60) 2,2,4-trimethylpentane	11.907	57	858428	2.645	ppbV	100
61) methyl methacrylate	12.107	41	219624	2.472	ppbV	99
62) heptane	12.227	43	377535	2.549	ppbV	100
63) cis-1,3-dichloropropene	12.875	75	300744	2.506	ppbV	100
64) 4-methyl-2-pentanone	12.917	43	445095	2.526	ppbV	100
65) trans-1,3-dichloropropene	13.508	75	232386	2.476	ppbV	98
66) 1,1,2-trichloroethane	13.700	97	194574	2.540	ppbV	100

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330096.D
Acq On : 2 Apr 2024 7:02 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD5.0
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:17:07 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	14.033	91	593619	2.538	ppbV	100
70) 2-methylthiophene	14.100	97	445584	2.550	ppbV	100
71) 1,3-dichloropropane	14.058	76	316748	2.534	ppbV	100
72) 2-hexanone	14.325	43	406417	2.486	ppbV	99
73) 3-methylthiophene	14.300	97	473845	2.572	ppbV	100
74) dibromochloromethane	14.483	129	242520	2.503	ppbV	99
75) 1,2-dibromoethane	14.742	107	298545	2.526	ppbV	100
76) butyl acetate	14.992	73	104414	2.521	ppbV	99
77) octane	15.083	85	241874	2.539	ppbV	99
78) tetrachloroethene	15.208	166	275951	2.578	ppbV	100
79) 1,1,1,2-tetrachloroethane	15.842	131	196321	2.552	ppbV	99
80) chlorobenzene	15.858	112	529814	2.585	ppbV	99
81) ethylbenzene	16.217	91	756077	2.539	ppbV	99
82) 2-ethylthiophene	16.250	97	523500	2.534	ppbV	99
83) m+p-xylene	16.375	91	1223190	5.115	ppbV	100
84) bromoform	16.442	173	240826	2.422	ppbV	98
85) styrene	16.708	104	559197	2.539	ppbV	99
86) 1,1,2,2-tetrachloroethane	16.800	83	443137	2.528	ppbV	100
87) o-xylene	16.800	91	615657	2.591	ppbV	98
88) 1,2,3-trichloropropane	16.917	75	373724	2.511	ppbV	99
89) nonane	17.000	43	554560	2.534	ppbV	100
91) isopropylbenzene	17.317	105	866714	2.562	ppbV	99
92) bromobenzene	17.392	77	484962	2.539	ppbV	99
93) 2-chlorotoluene	17.725	126	235823	2.515	ppbV	98
94) n-propylbenzene	17.750	120	282403	2.552	ppbV	99
95) 4-chlorotoluene	17.783	126	225744	2.520	ppbV	97
96) 4-ethyl toluene	17.875	105	920763	2.570	ppbV	99
97) 1,3,5-trimethylbenzene	17.942	105	800127	2.592	ppbV	99
98) tert-butylbenzene	18.283	119	784076	2.620	ppbV	98
99) 1,2,4-trimethylbenzene	18.283	105	798560	2.650	ppbV	98
100) decane	18.367	57	614268	2.560	ppbV	100
101) Benzyl Chloride	18.408	91	486352	2.391	ppbV	100
102) 1,3-dichlorobenzene	18.417	146	514236	2.474	ppbV	99
103) 1,4-dichlorobenzene	18.475	146	519045	2.635	ppbV	100
104) sec-butylbenzene	18.508	105	1107719	2.591	ppbV	98
105) 1,2,3-trimethylbenzene	18.642	105	712877	2.596	ppbV	100
106) p-isopropyltoluene	18.633	119	948109	2.666	ppbV	97
107) 1,2-dichlorobenzene	18.758	146	491420	2.543	ppbV	100
108) n-butylbenzene	18.983	91	783558	2.536	ppbV	100
109) indan	18.808	117	755417	2.572	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330096.D
Acq On : 2 Apr 2024 7:02 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD5.0
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:17:07 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

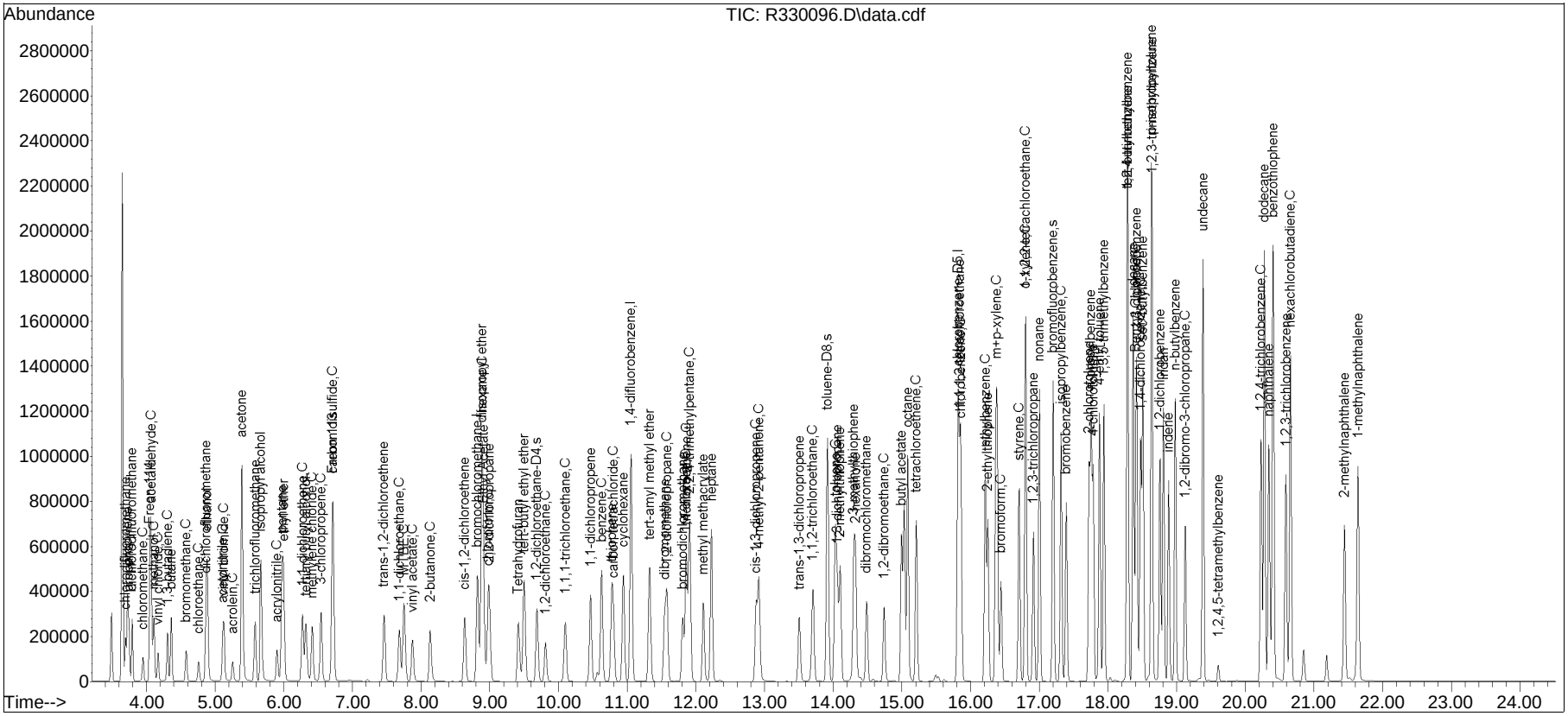
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	18.883	115	522082	2.527	ppbV	100
111) 1,2-dibromo-3-chloropr...	19.125	75	211933	2.524	ppbV	99
112) undecane	19.383	57	685544	2.567	ppbV	99
113) 1,2,4,5-tetramethylben...	19.608	119	46498	2.464	ppbV	99
114) dodecane	20.275	57	716193	2.578	ppbV	100
115) 1,2,4-trichlorobenzene	20.225	180	448283	2.485	ppbV	99
116) naphthalene	20.342	128	990315	2.516	ppbV	100
117) 1,2,3-trichlorobenzene	20.592	180	390492	2.531	ppbV	99
118) benzothiophene	20.400	134	1832409	2.592	ppbV	98
119) hexachlorobutadiene	20.658	225	412249	2.624	ppbV	98
120) 2-methylnaphthalene	21.442	142	485552	2.422	ppbV	99
121) 1-methylnaphthalene	21.642	142	680911	2.503	ppbV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default - All compounds listed24\04\0401T_I\R330097.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330096.D
Acq On : 2 Apr 2024 7:02 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD5.0
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:17:07 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

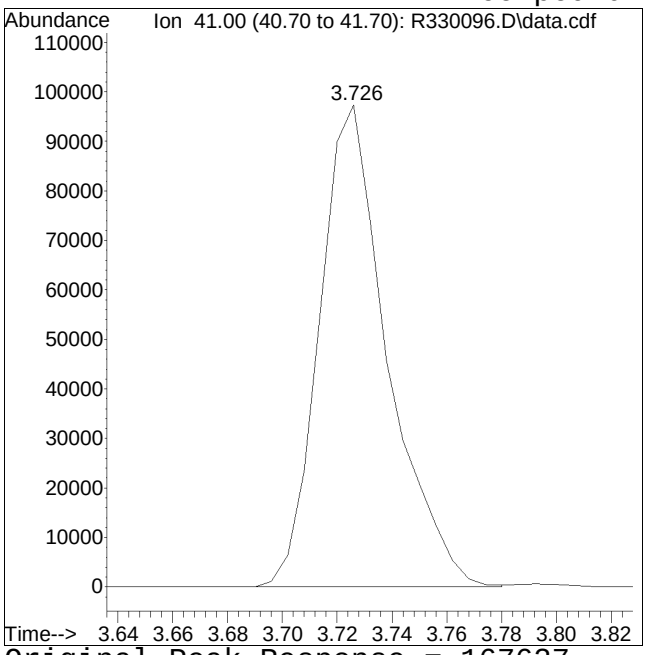


Manual Integration Report

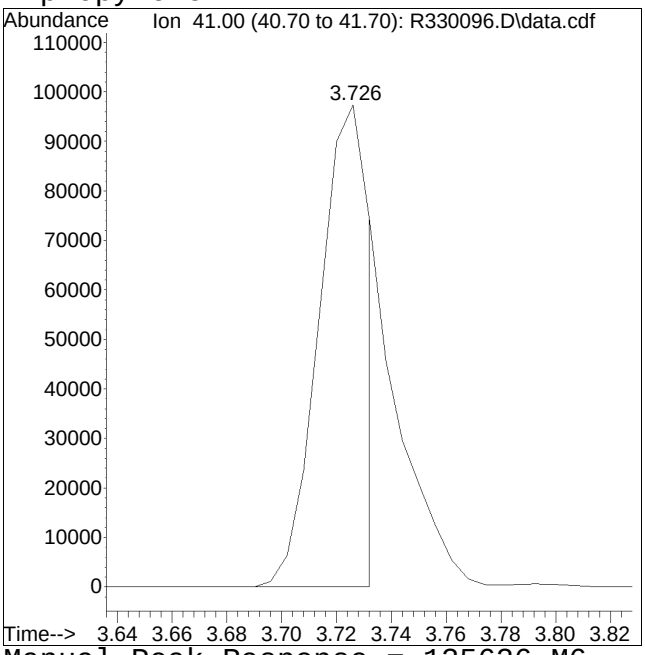
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330096.D
Date Inj'd : 4/2/2020 0:7: 2
Sample : ITO15-SIMSTD5.0

Method : TFS3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 1:17 pm

Compound #3: propylene



Original Peak Response = 167627



Manual Peak Response = 125626 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330097.D
Acq On : 2 Apr 2024 7:44 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD010
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:11:23 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Jan 16 18:15:30 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.817	49	331916	10.000	ppbV	-0.18
Standard Area = 331916			Recovery = 100.00%			
43) 1,4-difluorobenzene	11.053	114	1150401	10.000	ppbV	-0.17
Standard Area = 1150401			Recovery = 100.00%			
67) chlorobenzene-D5	15.817	54	137697	10.000	ppbV	-0.13
Standard Area = 137697			Recovery = 100.00%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.683	65	257461M3	5.159	ppbV	-0.17
Spiked Amount 10.000	Range 70 - 130		Recovery = 51.59%#			
69) toluene-D8	13.917	98	946393	7.159	ppbV	-0.15
Spiked Amount 10.000	Range 70 - 130		Recovery = 71.59%			
90) bromofluorobenzene	17.200	95	643989	7.667	ppbV	-0.13
Spiked Amount 10.000	Range 70 - 130		Recovery = 76.67%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.696	51	333205	11.100	ppbV	99
3) propylene	3.726	41	287018M6	12.586	ppbV	
4) propane	3.744	29	229362	9.935	ppbV #	79
5) dichlorodifluoromethane	3.792	85	441805	11.432	ppbV	99
6) chloromethane	3.948	50	217155	11.401	ppbV	98
7) Freon-114	4.050	85	532336	11.233	ppbV	96
8) methanol	4.104	31	424266	46.603	ppbV	99
9) vinyl chloride	4.170	62	243635	9.378	ppbV	100
10) 1,3-butadiene	4.308	54	191110	10.562	ppbV	95
11) butane	4.362	43	467395	10.944	ppbV	96
12) acetaldehyde	4.068	29	416642M3	43.312	ppbV	
13) bromomethane	4.578	94	188180	10.168	ppbV	98
14) chloroethane	4.758	64	124567	9.346	ppbV	100
15) ethanol	4.884	31	681283	51.517	ppbV #	71
16) dichlorofluoromethane	4.866	67	420961	9.274	ppbV	98
17) vinyl bromide	5.130	106	138767	6.448	ppbV	98
18) acrolein	5.253	56	133482	10.971	ppbV	97
19) acetone	5.387	43	2159726	61.042	ppbV	91
20) acetonitrile	5.112	41	196382	7.541	ppbV	97
21) trichlorofluoromethane	5.580	101	449145	11.167	ppbV	99
22) isopropyl alcohol	5.663	45	1406815	32.599	ppbV	97
23) acrylonitrile	5.900	53	235232	11.463	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330097.D
Acq On : 2 Apr 2024 7:44 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD010
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:11:23 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Jan 16 18:15:30 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
24) pentane	5.973	43	706874	12.873	ppbV		96
25) ethyl ether	5.997	31	418653	8.967	ppbV	#	90
26) 1,1-dichloroethene	6.274	61	396943	10.223	ppbV		97
27) tertiary butyl alcohol	6.316	59	583418	11.329	ppbV		94
28) methylene chloride	6.412	49	316337	12.244	ppbV		95
29) 3-chloropropene	6.544	41	507246	13.133	ppbV		94
30) carbon disulfide	6.712	76	1019300	14.256	ppbV		98
31) Freon 113	6.712	101	524710	11.633	ppbV		94
32) trans-1,2-dichloroethene	7.458	61	446283	11.195	ppbV		97
33) 1,1-dichloroethane	7.683	63	585517	11.445	ppbV		97
34) MTBE	7.750	73	871463	13.215	ppbV		93
35) vinyl acetate	7.875	43	717886	12.954	ppbV		97
36) 2-butanone	8.125	43	739620	12.962	ppbV		99
37) cis-1,2-dichloroethene	8.633	61	416863	11.179	ppbV		96
38) Ethyl Acetate	8.908	61	114890	11.590	ppbV		97
39) chloroform	8.975	83	498051	12.358	ppbV		97
40) Tetrahydrofuran	9.408	42	472694	13.352	ppbV		100
41) 2,2-dichloropropane	8.992	77	432781	13.189	ppbV		93
42) 1,2-dichloroethane	9.808	62	313442	10.482	ppbV		95
44) hexane	8.892	57	519655	10.049	ppbV	#	59
45) diisopropyl ether	8.883	87	343761M3	12.776	ppbV		
46) tert-butyl ethyl ether	9.500	59	976704	10.154	ppbV		97
48) 1,1,1-trichloroethane	10.100	97	422249M3	10.416	ppbV		
49) 1,1-dichloropropene	10.467	75	556657M3	14.095	ppbV		
50) benzene	10.627	78	1161944M3	12.283	ppbV		
51) thiophene	10.773	84	617220M3	8.764	ppbV		
52) carbon tetrachloride	10.800	117	391366M3	12.092	ppbV		
53) cyclohexane	10.940	56	553407M3	10.196	ppbV		
54) tert-amyl methyl ether	11.320	73	1054370M3	12.460	ppbV		
55) dibromomethane	11.547	93	274493M2	10.536	ppbV		
56) 1,2-dichloropropane	11.580	63	416628	10.868	ppbV		99
57) bromodichloromethane	11.807	83	521774M2	12.442	ppbV		
58) 1,4-dioxane	11.847	88	229451M2	10.914	ppbV		
59) trichloroethene	11.860	130	414026	11.055	ppbV		98
60) 2,2,4-trimethylpentane	11.907	57	1654143M6	9.552	ppbV		
61) methyl methacrylate	12.107	41	452928	12.236	ppbV		98
62) heptane	12.227	43	755064	12.248	ppbV		89
63) cis-1,3-dichloropropene	12.875	75	611775M2	13.123	ppbV		
64) 4-methyl-2-pentanone	12.917	43	898277	12.459	ppbV		90
65) trans-1,3-dichloropropene	13.500	75	478350M2	13.043	ppbV		

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330097.D
Acq On : 2 Apr 2024 7:44 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD010
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:11:23 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Jan 16 18:15:30 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,1,2-trichloroethane	13.700	97	390408M2	10.903	ppbV	
68) toluene	14.033	91	1186385	12.487	ppbV	100
70) 2-methylthiophene	14.100	97	886349	9.638	ppbV	99
71) 1,3-dichloropropane	14.058	76	633910	14.620	ppbV	95
72) 2-hexanone	14.325	43	829021	15.123	ppbV	88
73) 3-methylthiophene	14.300	97	934255	10.366	ppbV	99
74) dibromochloromethane	14.483	129	491470	14.864	ppbV	100
75) 1,2-dibromoethane	14.742	107	599511	14.221	ppbV	98
76) butyl acetate	14.992	73	210071M6	14.798	ppbV	
77) octane	15.083	85	483072	13.068	ppbV	91
78) tetrachloroethene	15.208	166	542865	13.950	ppbV	96
79) 1,1,1,2-tetrachloroethane	15.842	131	390221	13.715	ppbV	99
80) chlorobenzene	15.858	112	1039413	14.631	ppbV	99
81) ethylbenzene	16.217	91	1510266	12.831	ppbV	93
82) 2-ethylthiophene	16.250	97	1047635	10.663	ppbV	93
83) m+p-xylene	16.375	91	2425610	25.758	ppbV	92
84) bromoform	16.442	173	504364	17.151	ppbV	99
85) styrene	16.708	104	1117198	14.398	ppbV	98
86) 1,1,2,2-tetrachloroethane	16.800	83	889047	13.887	ppbV	99
87) o-xylene	16.800	91	1205126	12.898	ppbV	92
88) 1,2,3-trichloropropane	16.917	75	754973	14.996	ppbV	96
89) nonane	17.000	43	1110158	14.574	ppbV	85
91) isopropylbenzene	17.317	105	1715743	14.390	ppbV	100
92) bromobenzene	17.392	77	968624	14.493	ppbV	98
93) 2-chlorotoluene	17.725	126	475664M3	13.702	ppbV	
94) n-propylbenzene	17.750	120	561282	14.247	ppbV	79
95) 4-chlorotoluene	17.783	126	454426	13.604	ppbV	90
96) 4-ethyl toluene	17.875	105	1816955	14.754	ppbV	99
97) 1,3,5-trimethylbenzene	17.942	105	1565613	14.358	ppbV	99
98) tert-butylbenzene	18.283	119	1517715	14.248	ppbV	100
99) 1,2,4-trimethylbenzene	18.283	105	1528425	14.519	ppbV	98
100) decane	18.367	57	1216760	12.585	ppbV	85
101) Benzyl Chloride	18.408	91	1031564	16.089	ppbV	97
102) 1,3-dichlorobenzene	18.417	146	1054148M3	14.900	ppbV	
103) 1,4-dichlorobenzene	18.475	146	999126	14.149	ppbV	98
104) sec-butylbenzene	18.508	105	2168225	14.287	ppbV	100
105) 1,2,3-trimethylbenzene	18.642	105	1392895	14.065	ppbV	97
106) p-isopropyltoluene	18.633	119	1804026	14.155	ppbV	100
107) 1,2-dichlorobenzene	18.758	146	980054	14.172	ppbV	98
108) n-butylbenzene	18.983	91	1567136	13.195	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330097.D
Acq On : 2 Apr 2024 7:44 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD010
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:11:23 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Jan 16 18:15:30 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

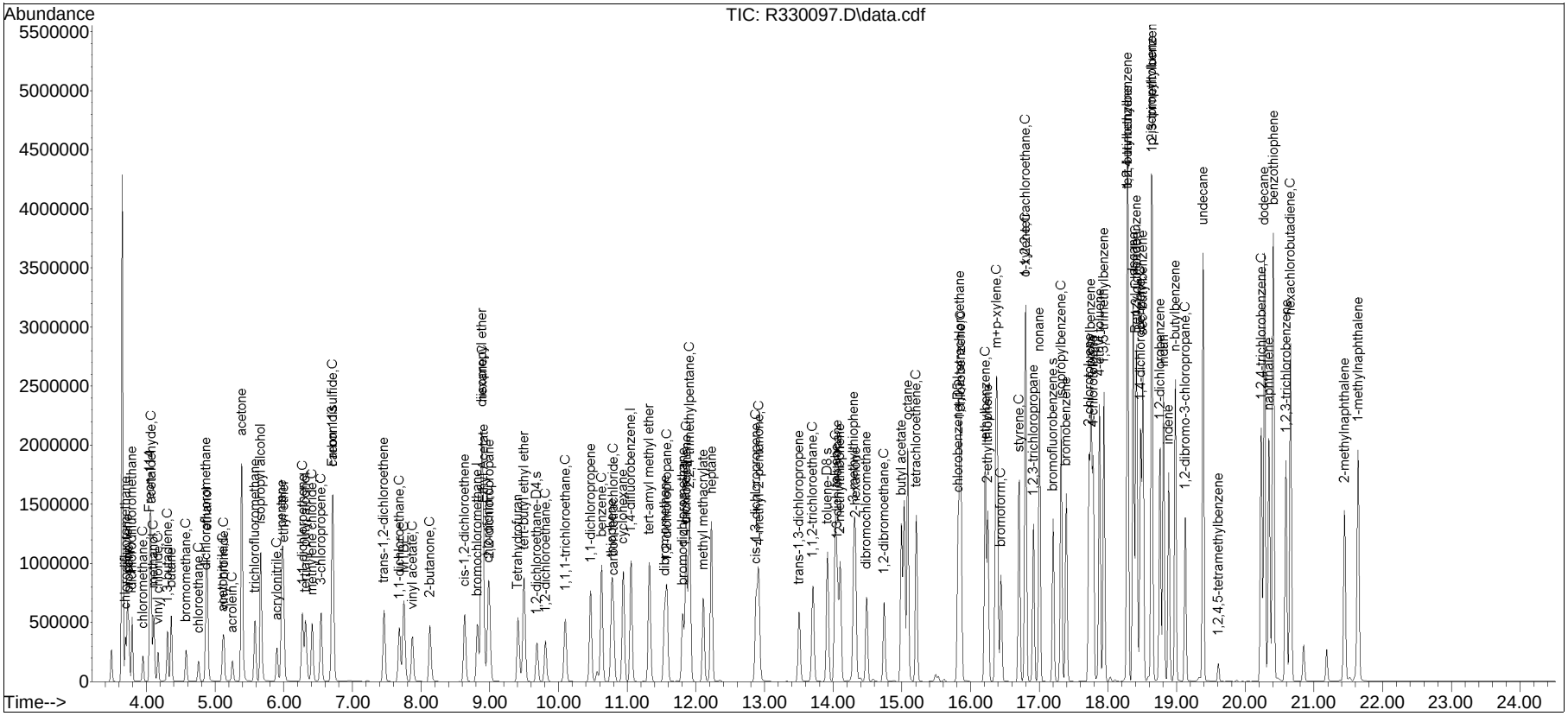
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
109) indan	18.808	117	1489672	14.210	ppbV		99
110) indene	18.883	115	1047852	14.635	ppbV		99
111) 1,2-dibromo-3-chloropr...	19.125	75	425914	16.406	ppbV		93
112) undecane	19.383	57	1354371	12.781	ppbV	#	87
113) 1,2,4,5-tetramethylben...	19.608	119	95708	7.842	ppbV		96
114) dodecane	20.275	57	1409279	14.018	ppbV		88
115) 1,2,4-trichlorobenzene	20.233	180	914998	15.891	ppbV		99
116) naphthalene	20.342	128	1996258	14.673	ppbV		100
117) 1,2,3-trichlorobenzene	20.592	180	782619	14.945	ppbV		100
118) benzothiophene	20.408	134	3585519	13.307	ppbV		99
119) hexachlorobutadiene	20.658	225	796969	14.491	ppbV		96
120) 2-methylnaphthalene	21.442	142	1016619M3	16.928	ppbV		
121) 1-methylnaphthalene	21.642	142	1379869	18.746	ppbV		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default - All compounds listed24\04\0401T_I\R330097.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330097.D
Acq On : 2 Apr 2024 7:44 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD010
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:11:23 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Jan 16 18:15:30 2024
Response via : Initial Calibration

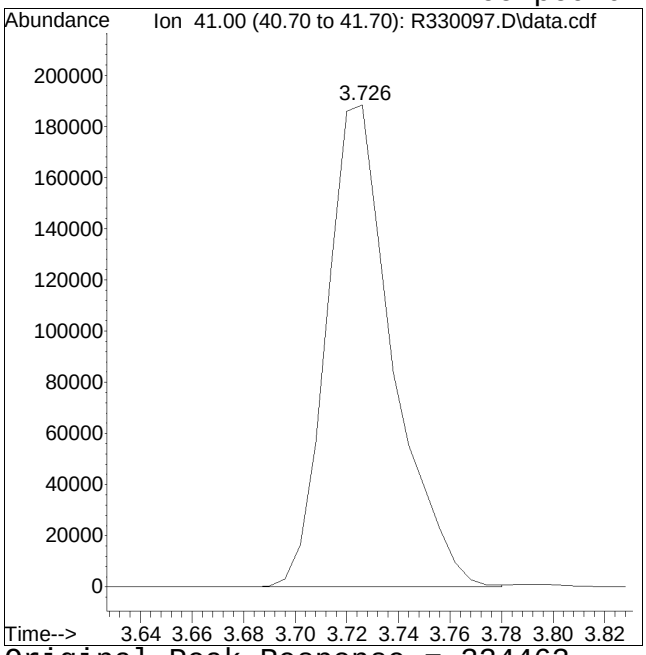


Manual Integration Report

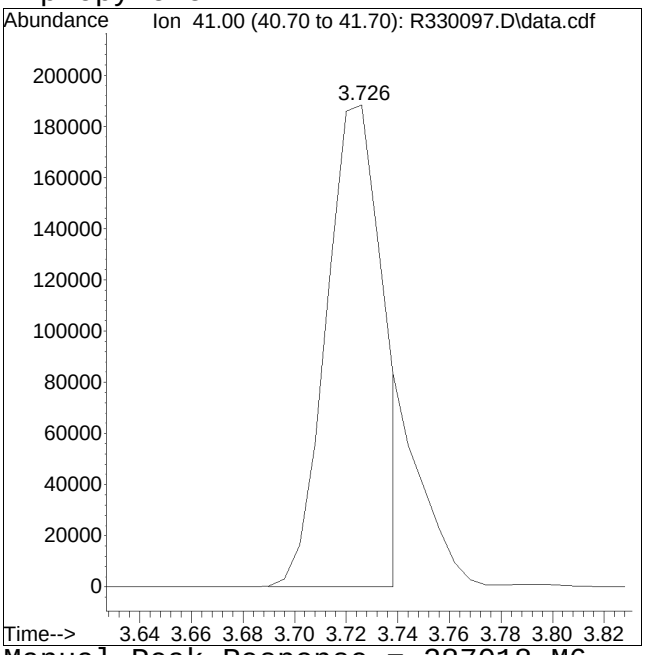
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330097.D
Date Inj'd : 4/2/2020 0:7: 4
Sample : ITO15-SIMSTD010

Method : TFS3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 1:11 pm

Compound #3: propylene



Original Peak Response = 334463



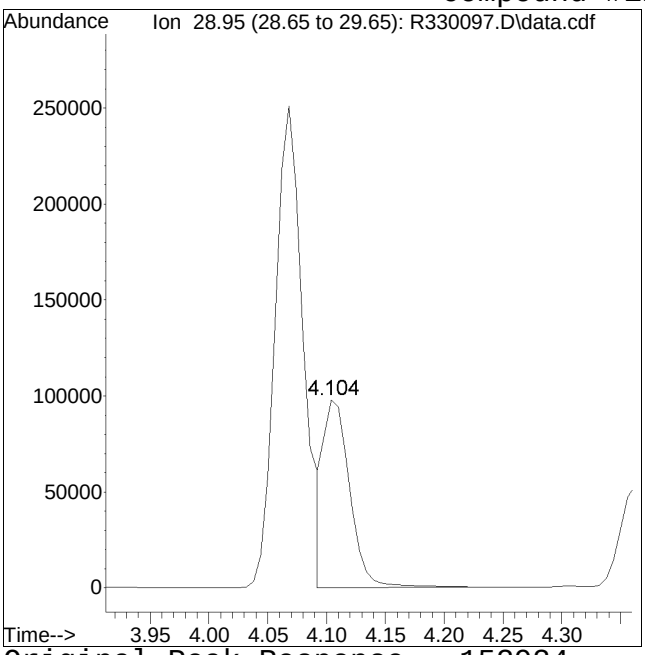
Manual Peak Response = 287018 M6

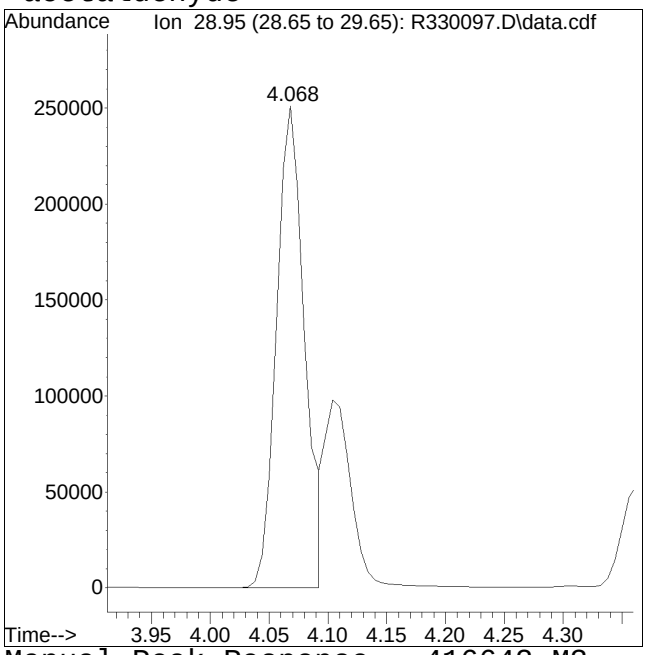
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : R330097.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/2/2020 0:7: 4 Instrument :
Sample : ITO15-SIMSTD010 Quant Date : 4/2/2024 1:11 pm

Compound #12: acetaldehyde





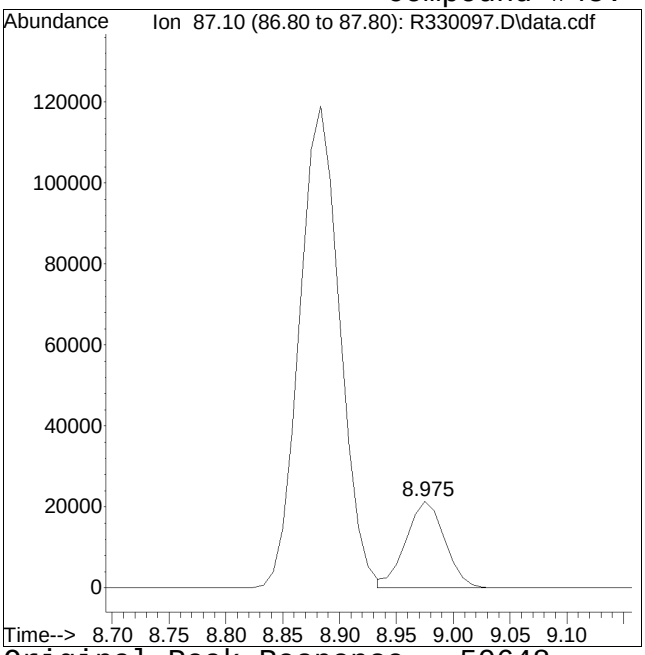
Original Peak Response = 152924 Manual Peak Response = 416642 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

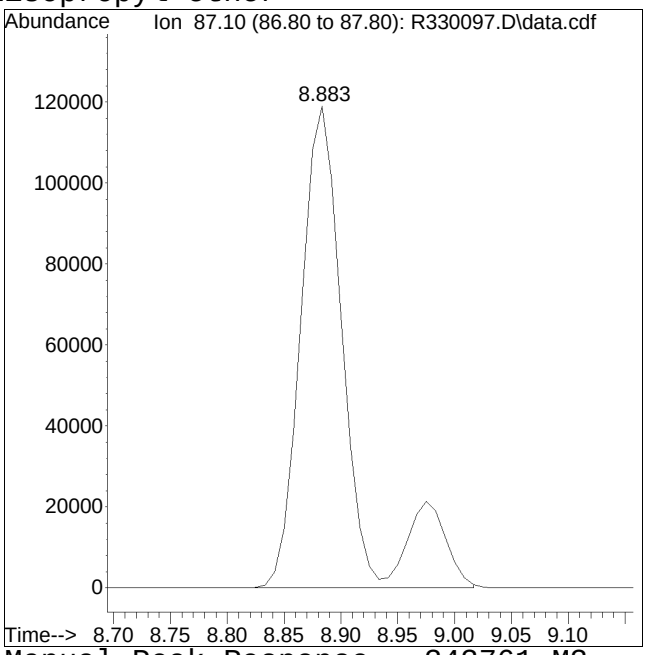
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : R330097.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/2/2020 0:7: 4 Instrument :
Sample : ITO15-SIMSTD010 Quant Date : 4/2/2024 1:11 pm

Compound #45: diisopropyl ether



Original Peak Response = 50648



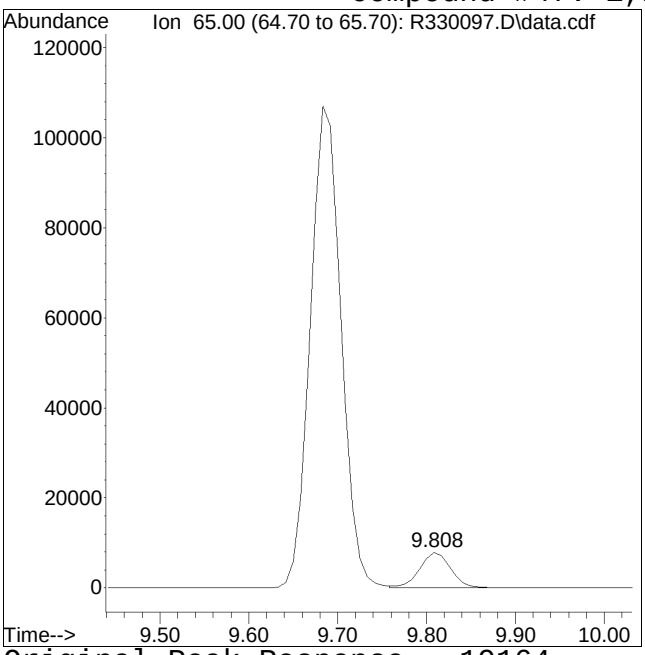
Manual Peak Response = 343761 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

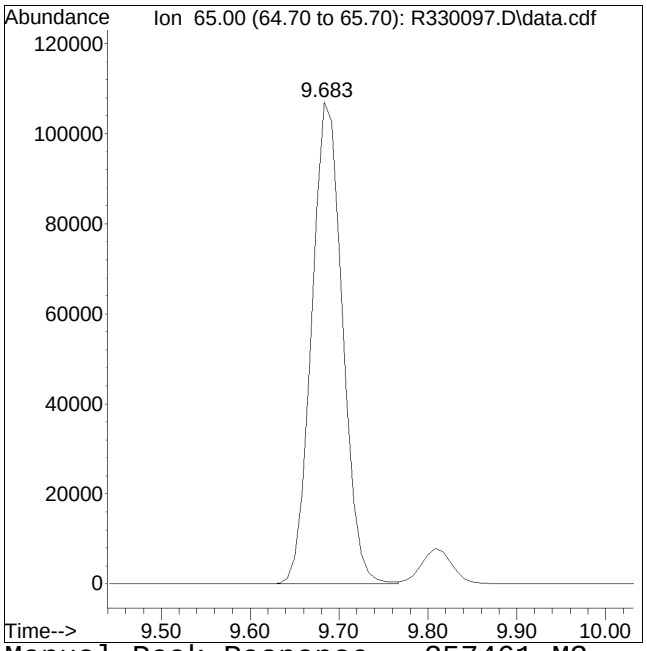
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : R330097.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/2/2020 0:7: 4 Instrument :
Sample : ITO15-SIMSTD010 Quant Date : 4/2/2024 1:11 pm

Compound #47: 1,2-dichloroethane-D4



Original Peak Response = 19164



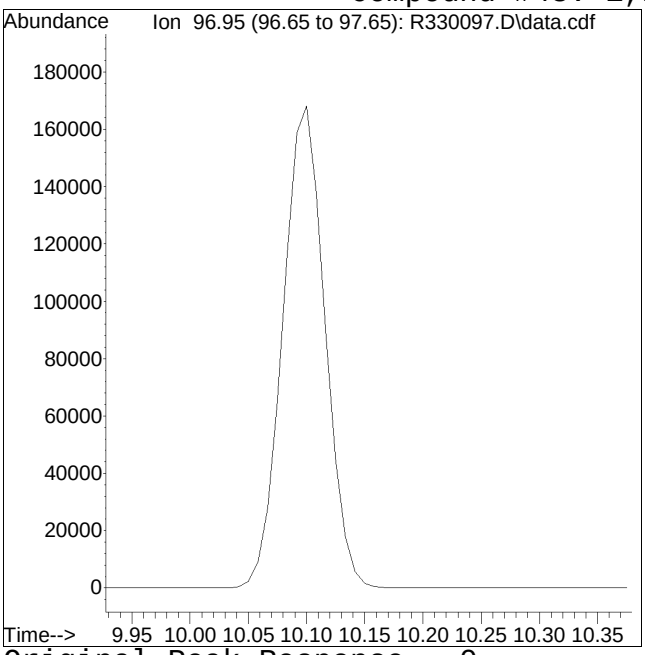
Manual Peak Response = 257461 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

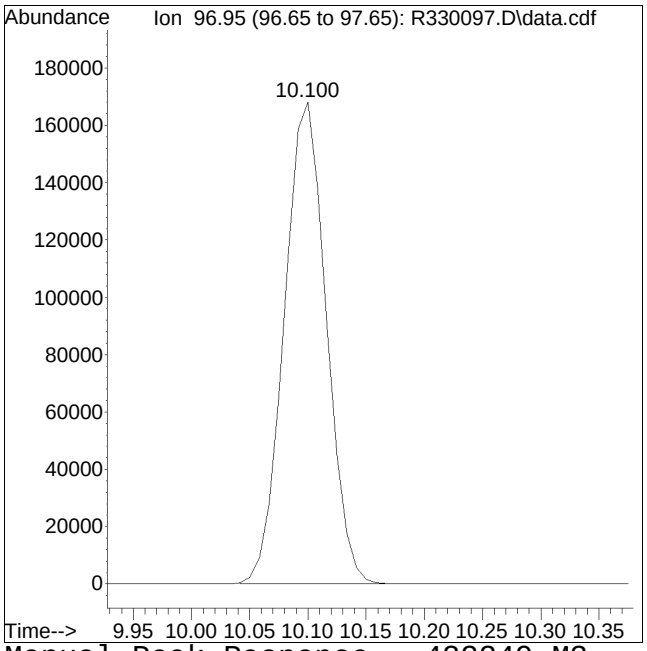
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : R330097.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/2/2020 0:7: 4 Instrument :
Sample : ITO15-SIMSTD010 Quant Date : 4/2/2024 1:11 pm

Compound #48: 1,1,1-trichloroethane



Original Peak Response = 0



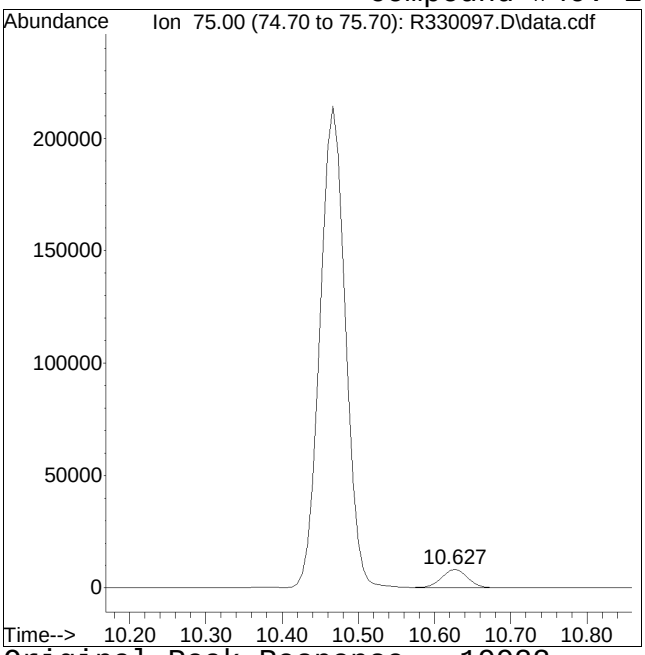
Manual Peak Response = 422249 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

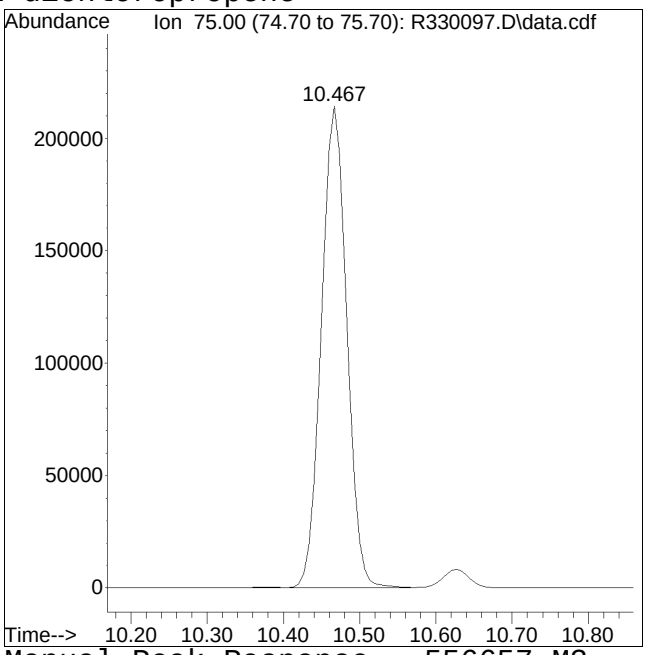
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : R330097.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/2/2020 0:7: 4 Instrument :
Sample : ITO15-SIMSTD010 Quant Date : 4/2/2024 1:11 pm

Compound #49: 1,1-dichloropropene



Original Peak Response = 19922



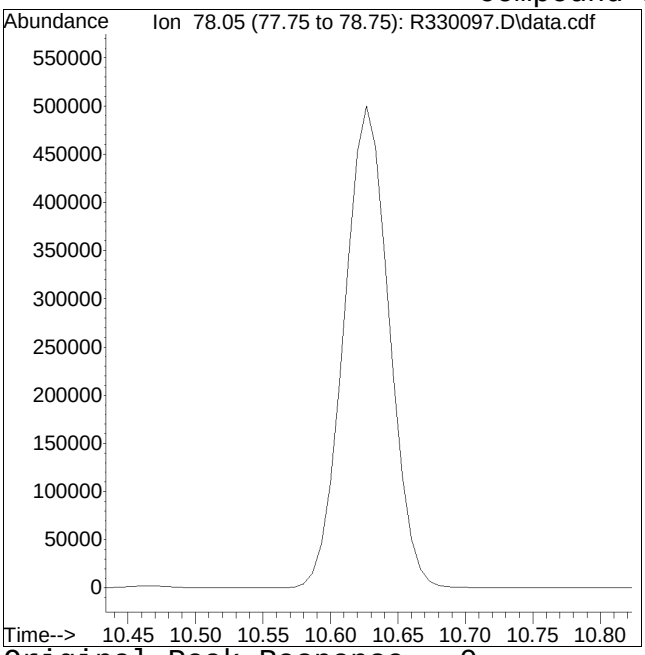
Manual Peak Response = 556657 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

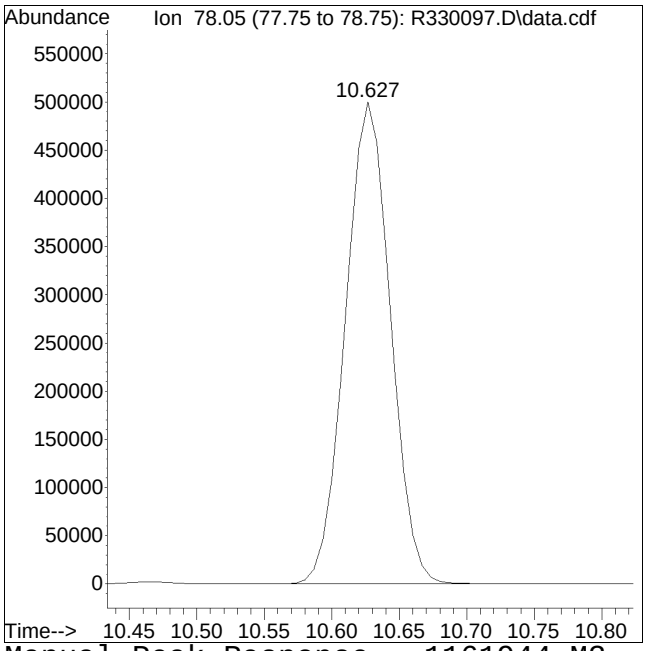
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : R330097.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/2/2020 0:7: 4 Instrument :
Sample : ITO15-SIMSTD010 Quant Date : 4/2/2024 1:11 pm

Compound #50: benzene



Original Peak Response = 0



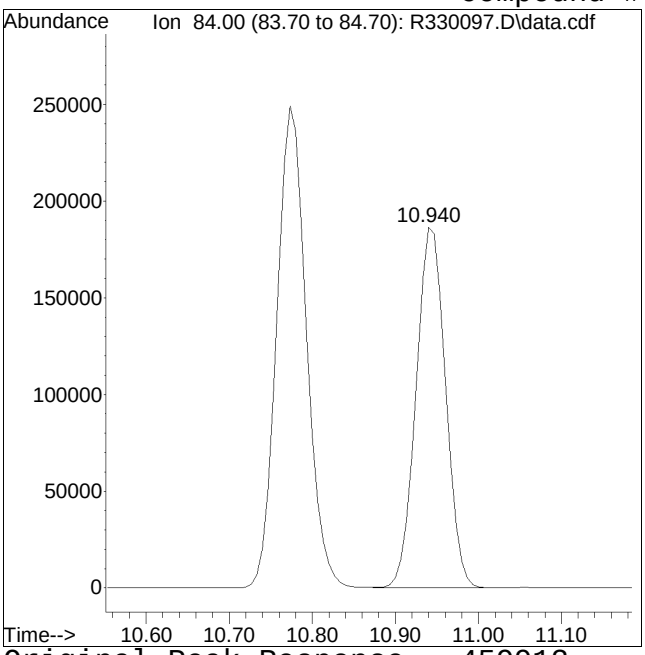
Manual Peak Response = 1161944 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

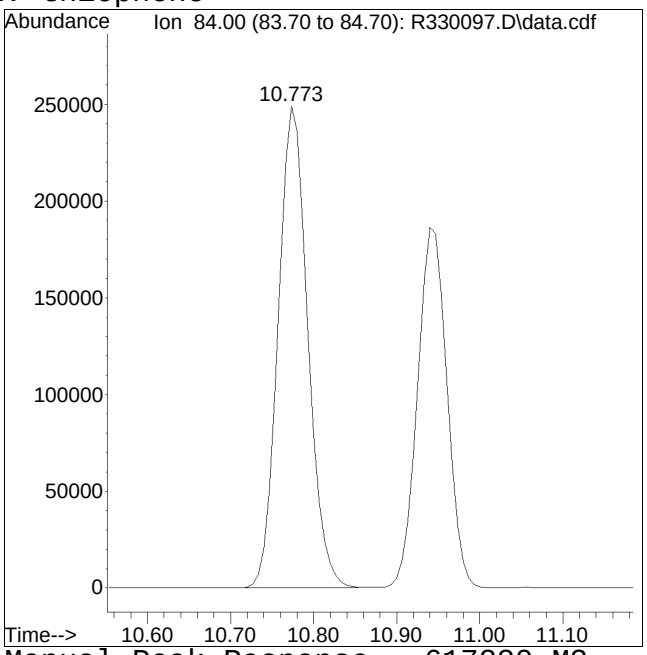
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : R330097.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/2/2020 0:7: 4 Instrument :
Sample : ITO15-SIMSTD010 Quant Date : 4/2/2024 1:11 pm

Compound #51: thiophene



Original Peak Response = 459912



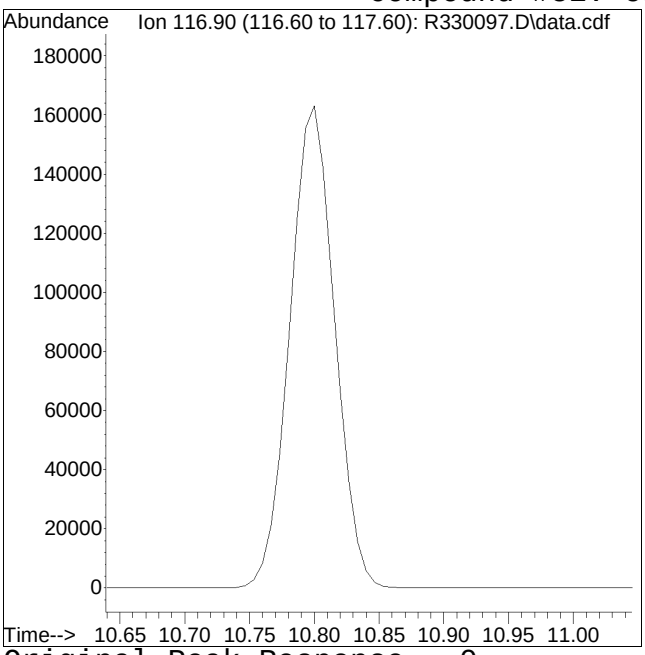
Manual Peak Response = 617220 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

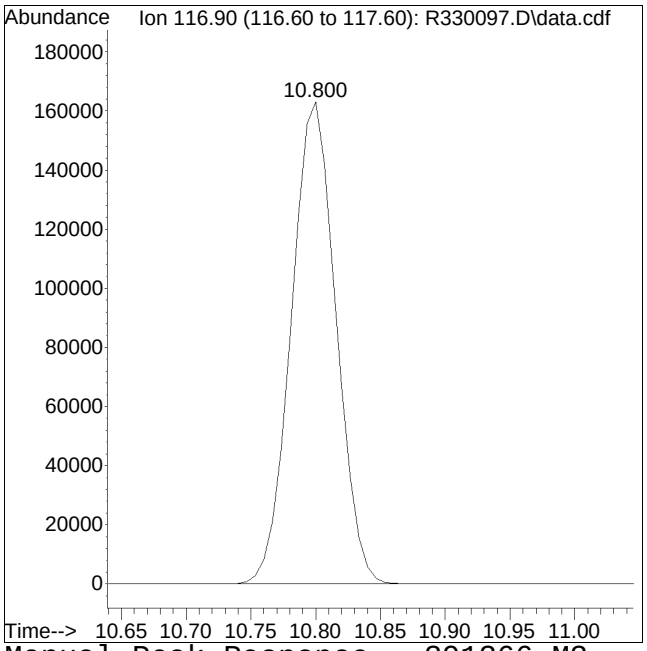
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : R330097.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/2/2020 0:7: 4 Instrument :
Sample : ITO15-SIMSTD010 Quant Date : 4/2/2024 1:11 pm

Compound #52: carbon tetrachloride



Original Peak Response = 0



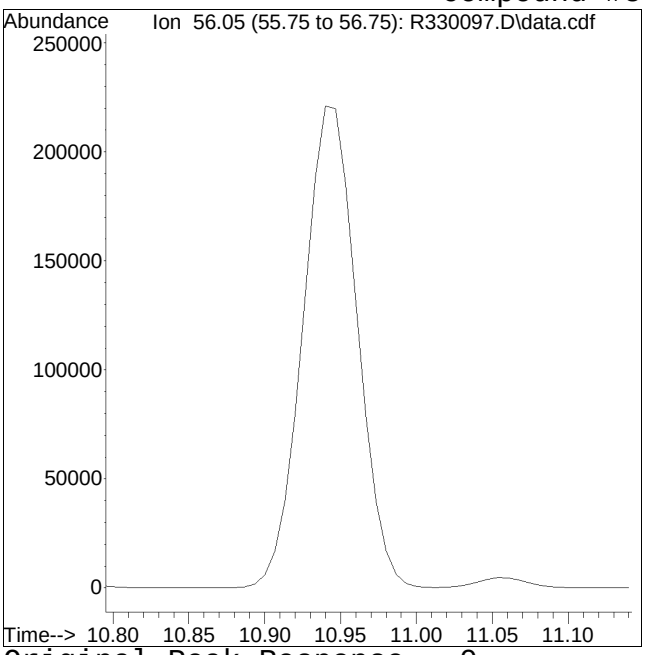
Manual Peak Response = 391366 M3

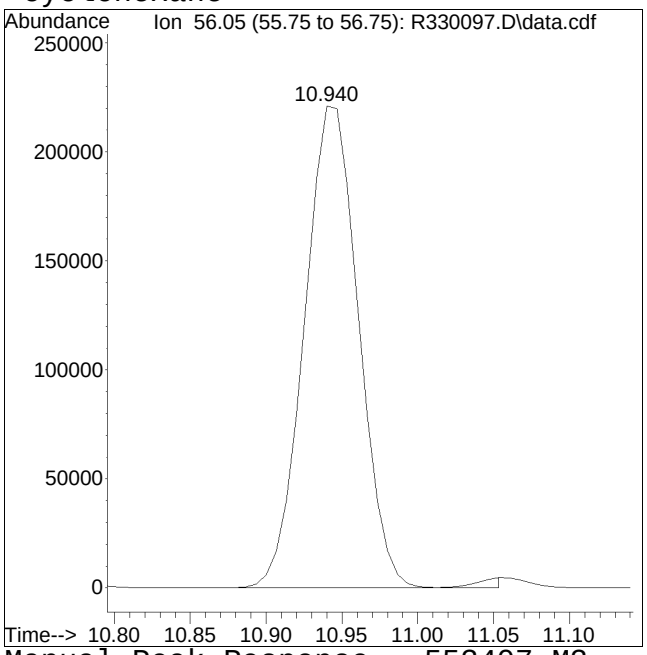
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : R330097.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/2/2020 0:7: 4 Instrument :
Sample : ITO15-SIMSTD010 Quant Date : 4/2/2024 1:11 pm

Compound #53: cyclohexane





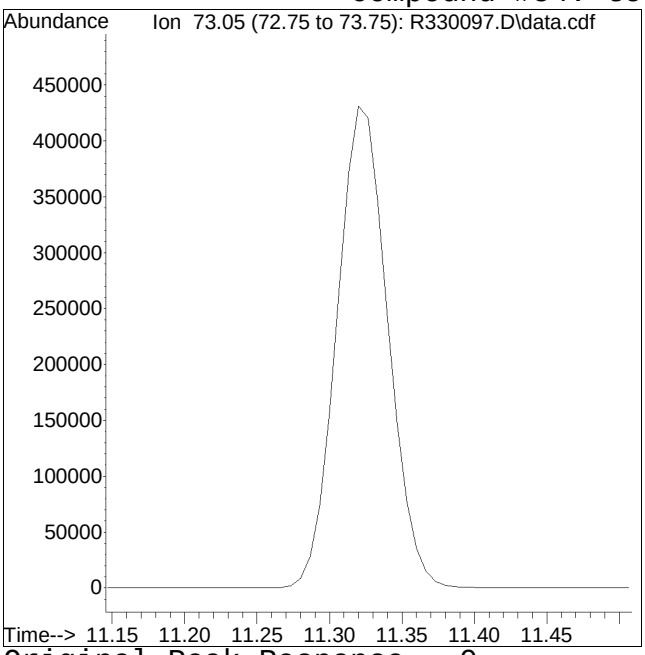
Original Peak Response = 0 Manual Peak Response = 553407 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

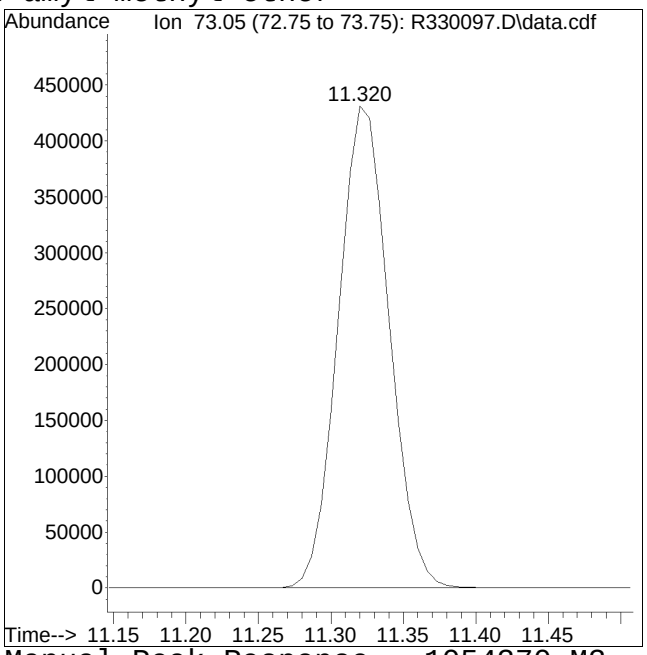
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : R330097.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/2/2020 0:7: 4 Instrument :
Sample : ITO15-SIMSTD010 Quant Date : 4/2/2024 1:11 pm

Compound #54: tert-amyl methyl ether



Original Peak Response = 0



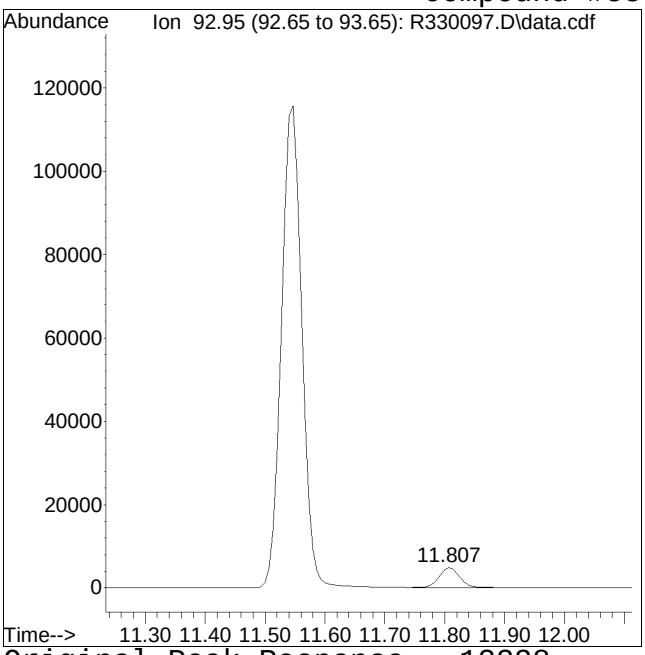
Manual Peak Response = 1054370 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

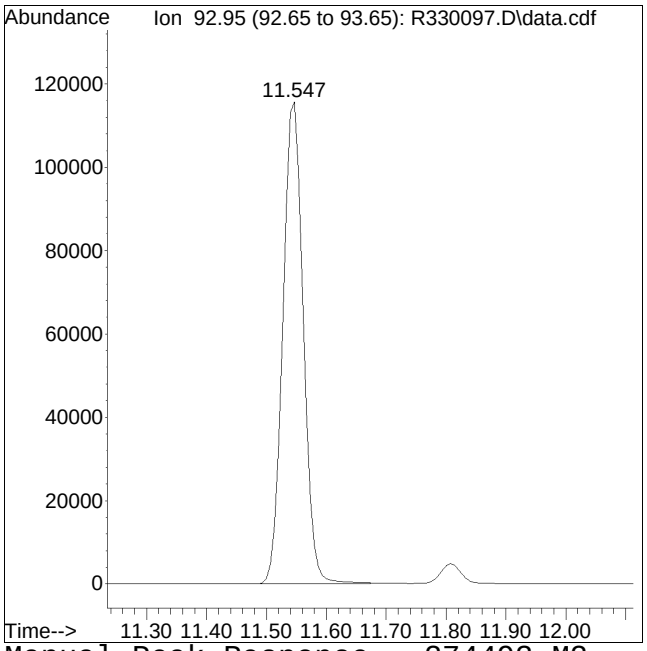
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : R330097.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/2/2020 0:7: 4 Instrument :
Sample : ITO15-SIMSTD010 Quant Date : 4/2/2024 1:11 pm

Compound #55: dibromomethane



Original Peak Response = 12228



Manual Peak Response = 274493 M2

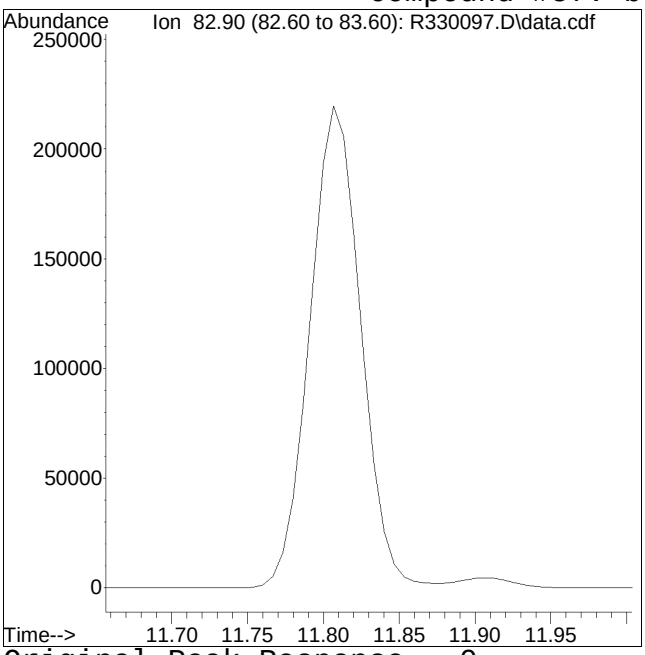
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

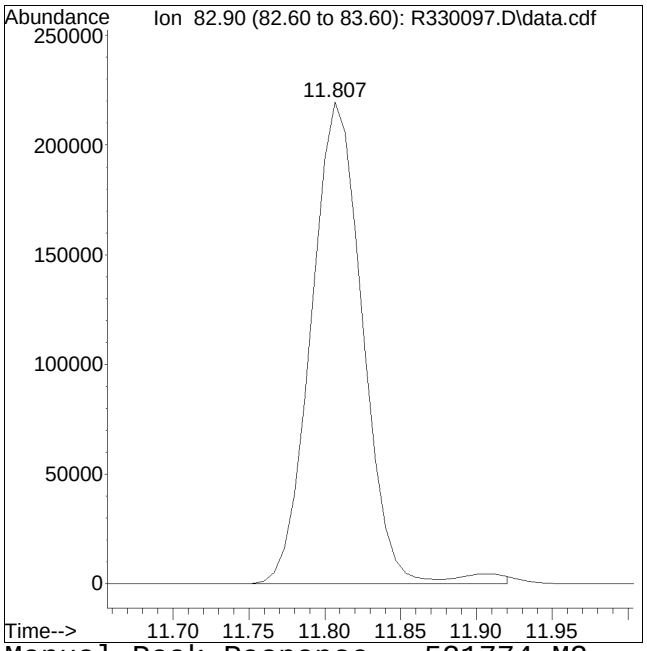
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330097.D
Date Inj'd : 4/2/2020 0:7: 4
Sample : ITO15-SIMSTD010

Method : TFS3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 1:11 pm

Compound #57: bromodichloromethane



Original Peak Response = 0



Manual Peak Response = 521774 M2

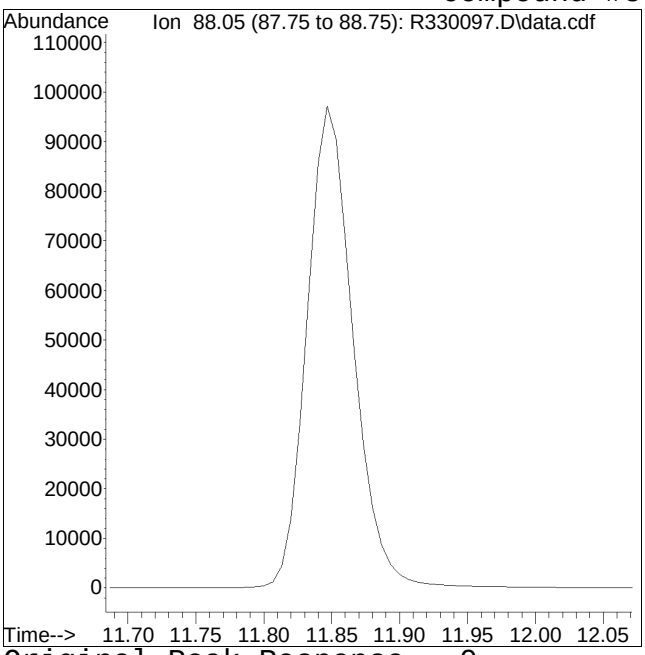
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

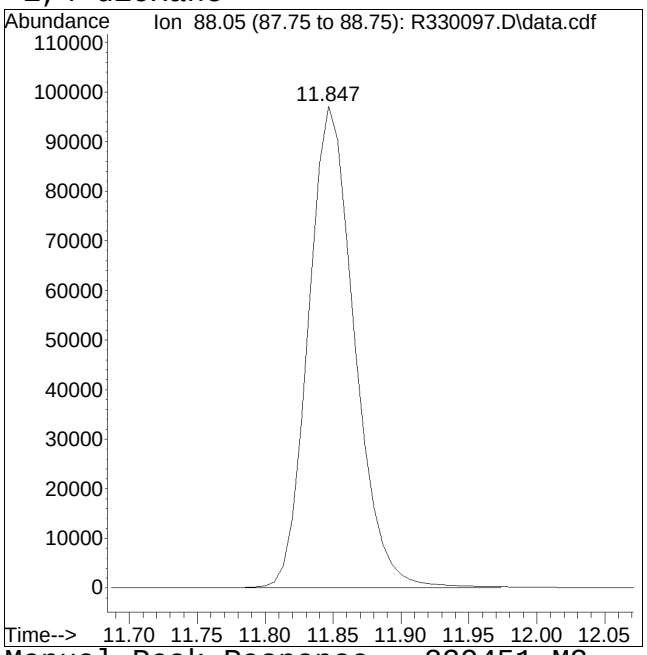
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330097.D
Date Inj'd : 4/2/2020 0:7: 4
Sample : ITO15-SIMSTD010

Method : TFS3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 1:11 pm

Compound #58: 1,4-dioxane



Original Peak Response = 0



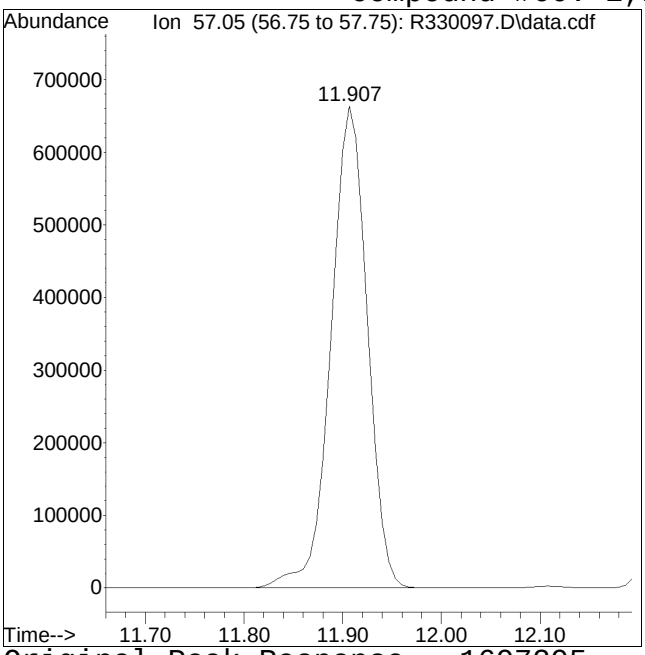
Manual Peak Response = 229451 M2

M2 = Peak not found by automatic integration algorithm.

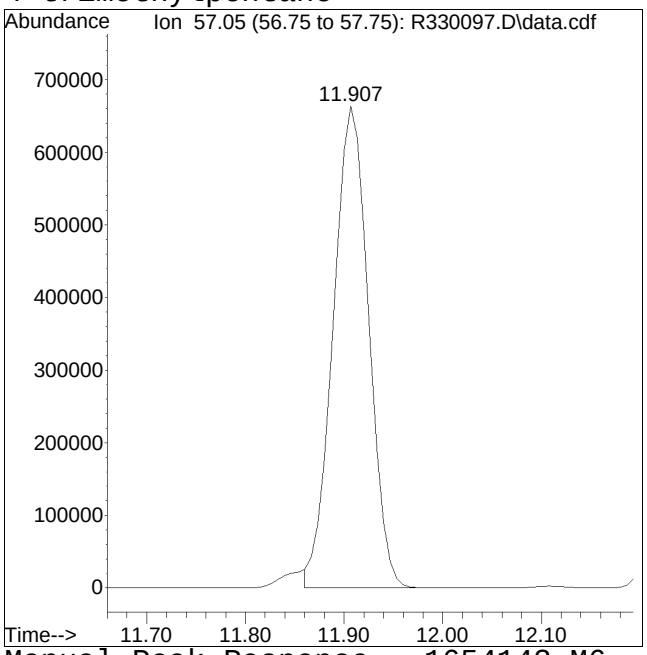
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : R330097.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/2/2020 0:7: 4 Instrument :
Sample : ITO15-SIMSTD010 Quant Date : 4/2/2024 1:11 pm

Compound #60: 2,2,4-trimethylpentane



Original Peak Response = 1697295



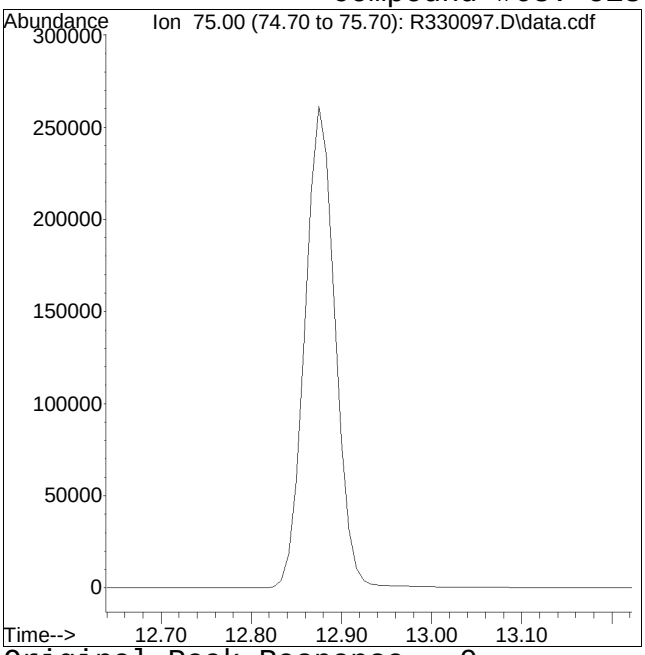
Manual Peak Response = 1654143 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

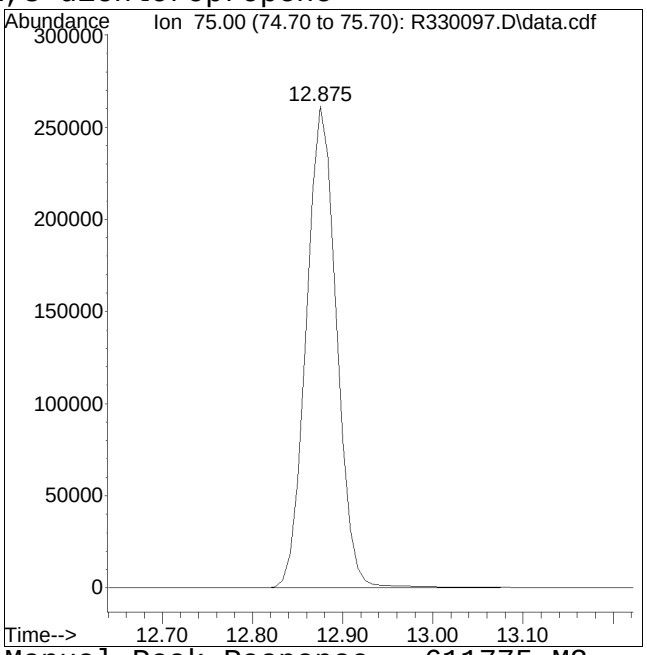
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : R330097.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/2/2020 0:7: 4 Instrument :
Sample : ITO15-SIMSTD010 Quant Date : 4/2/2024 1:11 pm

Compound #63: cis-1,3-dichloropropene



Original Peak Response = 0



Manual Peak Response = 611775 M2

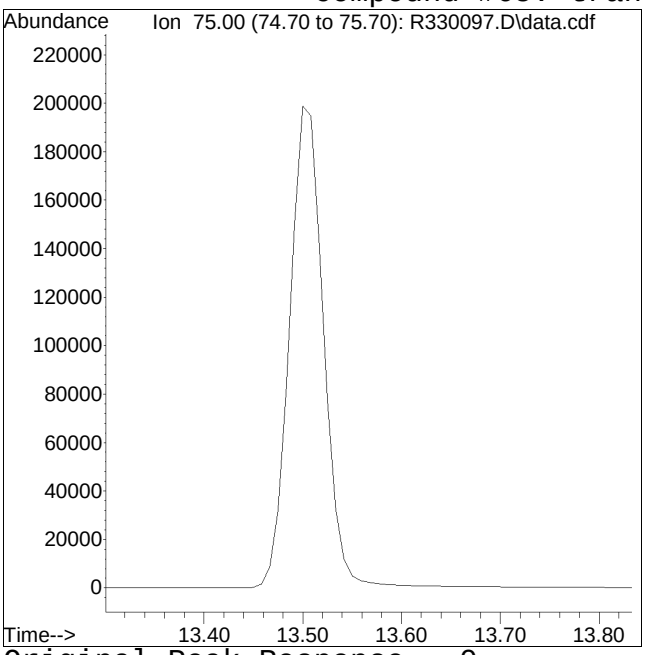
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

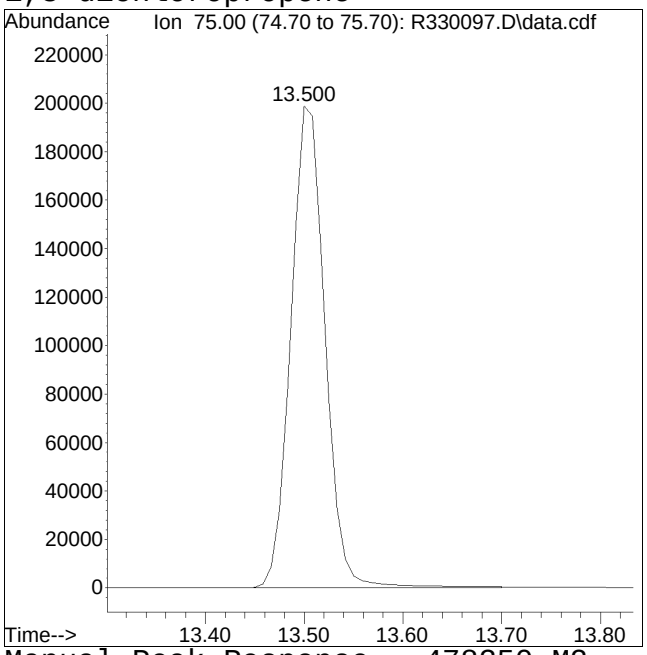
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330097.D
Date Inj'd : 4/2/2020 0:7: 4
Sample : ITO15-SIMSTD010

Method : TFS3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 1:11 pm

Compound #65: trans-1,3-dichloropropene



Original Peak Response = 0



Manual Peak Response = 478350 M2

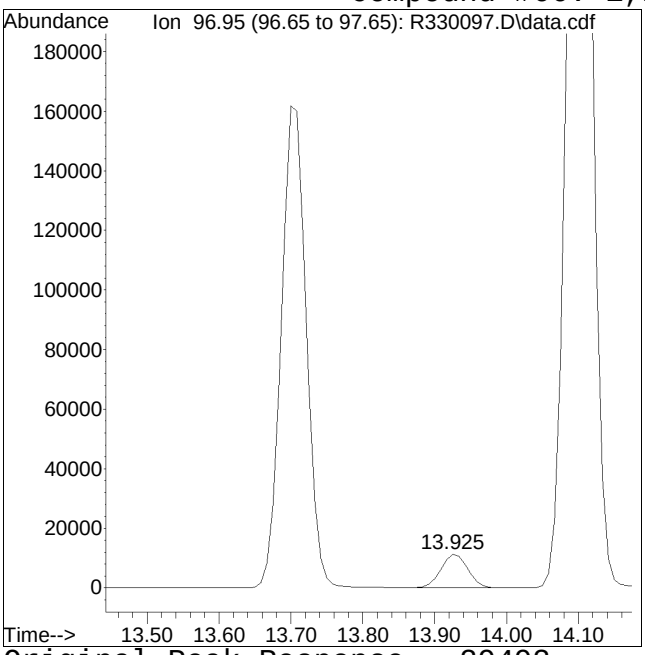
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

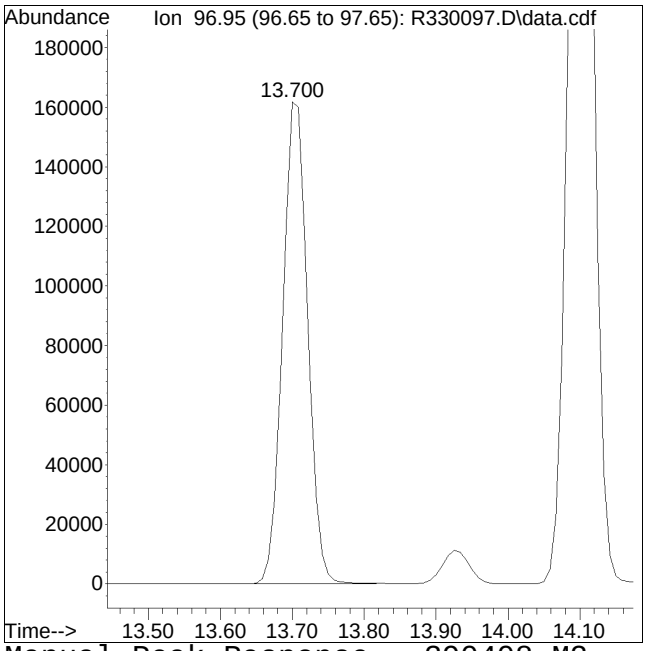
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330097.D
Date Inj'd : 4/2/2020 0:7: 4
Sample : ITO15-SIMSTD010

Method : TFS3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 1:11 pm

Compound #66: 1,1,2-trichloroethane



Original Peak Response = 29492



Manual Peak Response = 390408 M2

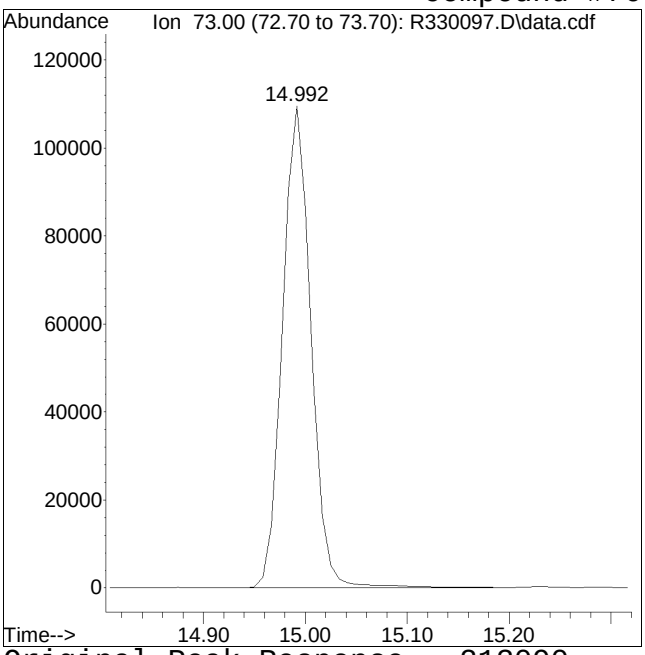
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

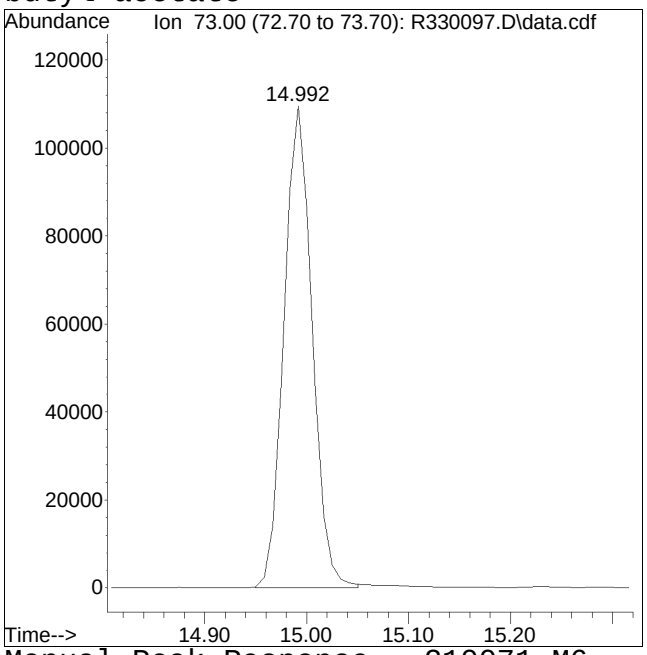
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330097.D
Date Inj'd : 4/2/2020 0:7: 4
Sample : ITO15-SIMSTD010

Method : TFS3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 1:11 pm

Compound #76: butyl acetate



Original Peak Response = 213090



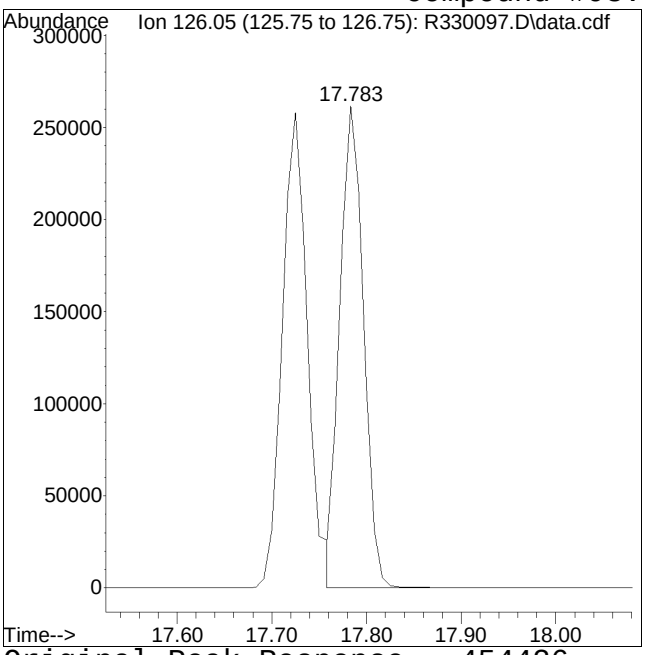
Manual Peak Response = 210071 M6

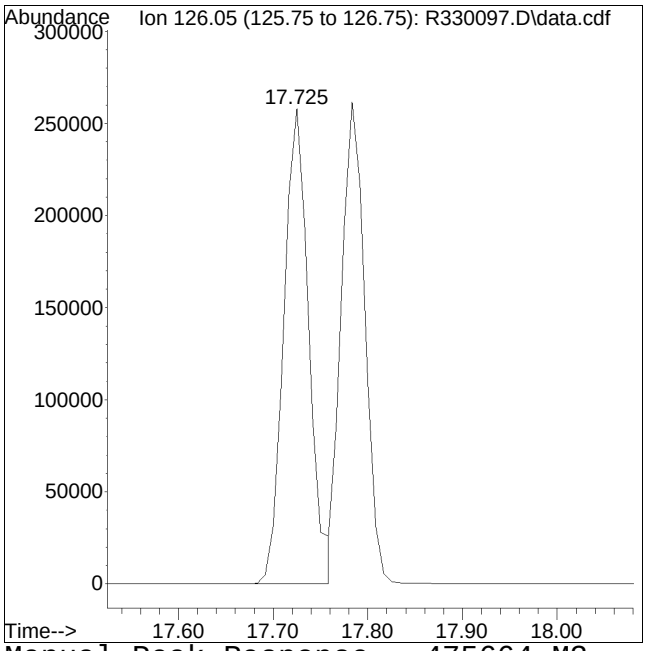
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : R330097.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/2/2020 0:7: 4 Instrument :
Sample : ITO15-SIMSTD010 Quant Date : 4/2/2024 1:11 pm

Compound #93: 2-chlorotoluene



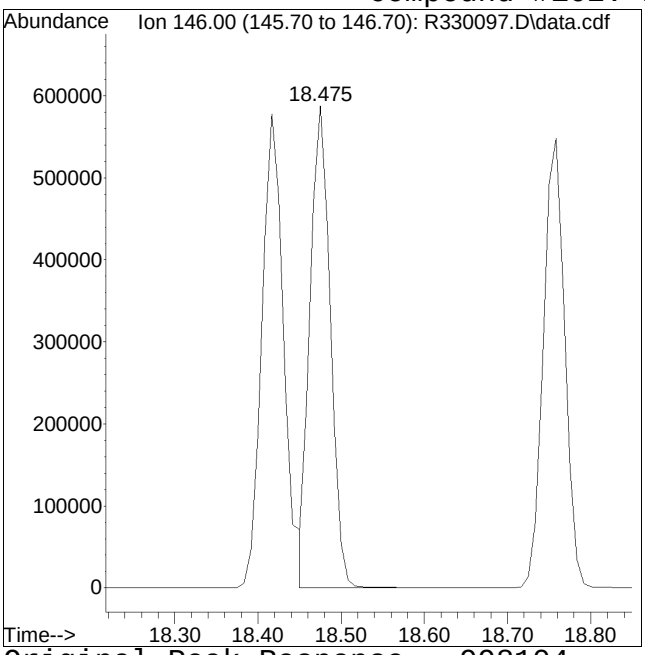


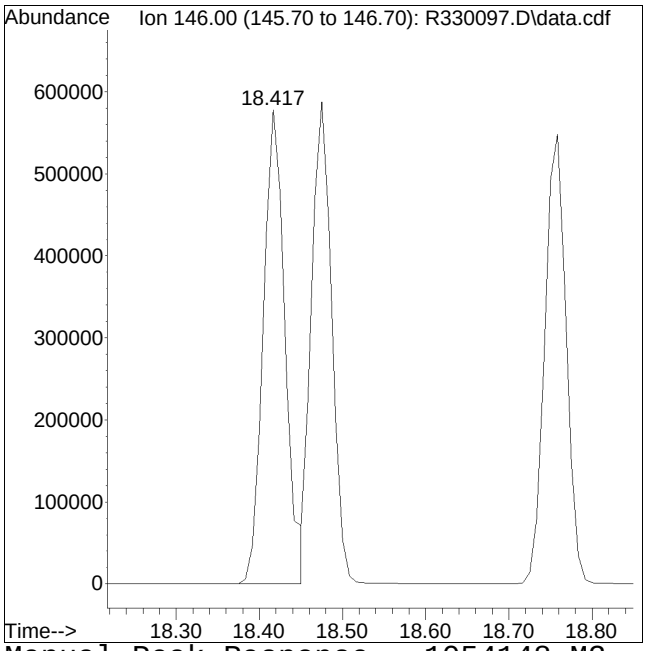
Original Peak Response = 454426 Manual Peak Response = 475664 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : R330097.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/2/2020 0:7: 4 Instrument :
Sample : ITO15-SIMSTD010 Quant Date : 4/2/2024 1:11 pm

Compound #102: 1,3-dichlorobenzene



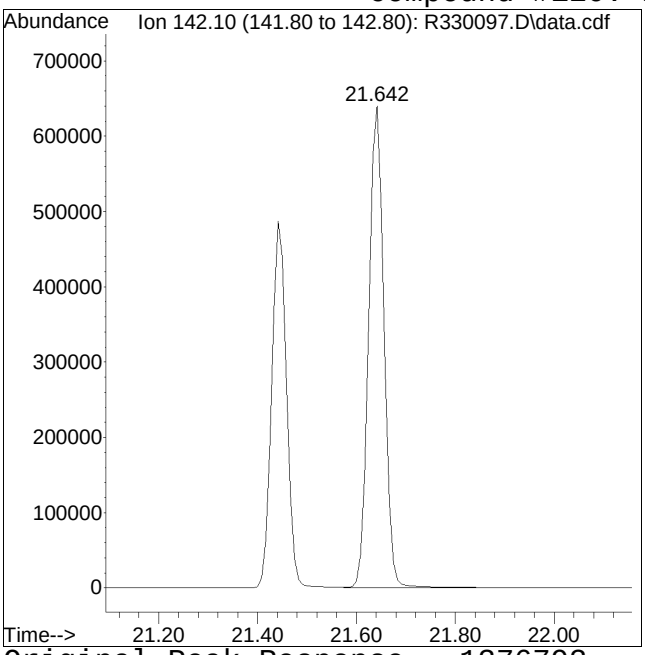


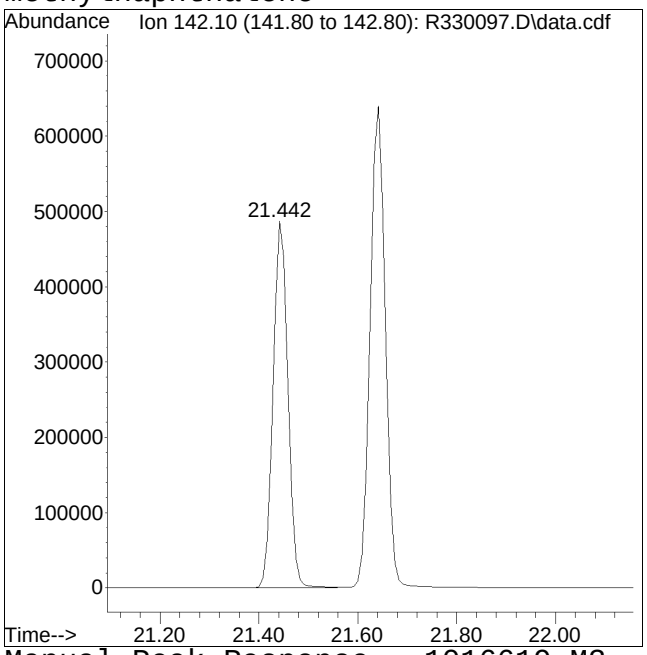
Original Peak Response = 998104 Manual Peak Response = 1054148 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : R330097.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/2/2020 0:7: 4 Instrument :
Sample : ITO15-SIMSTD010 Quant Date : 4/2/2024 1:11 pm

Compound #120: 2-methylnaphthalene





Original Peak Response = 1376793 Manual Peak Response = 1016619 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330098.D
Acq On : 2 Apr 2024 8:23 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD020
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:17:13 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.817	49	337820	10.000	ppbV	0.00
Standard Area = 331916			Recovery = 101.78%			
43) 1,4-difluorobenzene	11.053	114	1161247	10.000	ppbV	0.00
Standard Area = 1150401			Recovery = 100.94%			
67) chlorobenzene-D5	15.817	54	134895	10.000	ppbV	0.00
Standard Area = 137697			Recovery = 97.97%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.683	65	252956	9.733	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.33%			
69) toluene-D8	13.917	98	958131	10.334	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.34%			
90) bromofluorobenzene	17.200	95	652606	10.344	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.44%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.690	51	499960	7.371	ppbV	99
3) propylene	3.720	41	409897M6	7.016	ppbV	
4) propane	3.744	29	352873	7.558	ppbV	98
5) dichlorodifluoromethane	3.792	85	645576	7.178	ppbV	100
6) chloromethane	3.948	50	329048	7.444	ppbV	100
7) Freon-114	4.050	85	782716	7.223	ppbV	100
8) methanol	4.104	31	633030	36.650	ppbV	99
9) vinyl chloride	4.170	62	368132	7.423	ppbV	99
10) 1,3-butadiene	4.308	54	292634	7.522	ppbV	98
11) butane	4.362	43	714145	7.506	ppbV	100
12) acetaldehyde	4.068	29	627488	36.993	ppbV	99
13) bromomethane	4.578	94	283685	7.406	ppbV	100
14) chloroethane	4.758	64	188061	7.417	ppbV	100
15) ethanol	4.884	31	1048829	37.815	ppbV	98
16) dichlorofluoromethane	4.866	67	633088	7.388	ppbV	100
17) vinyl bromide	5.130	106	231456	8.194	ppbV	98
18) acrolein	5.250	56	209243	7.701	ppbV	100
19) acetone	5.387	43	3259132	37.067	ppbV	99
20) acetonitrile	5.112	41	335389	8.390	ppbV	99
21) trichlorofluoromethane	5.580	101	665410	7.278	ppbV	100
22) isopropyl alcohol	5.663	45	2203387	19.236	ppbV	100
23) acrylonitrile	5.900	53	369207	7.711	ppbV	99
24) pentane	5.973	43	1090926	7.582	ppbV	100

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330098.D
Acq On : 2 Apr 2024 8:23 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD020
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:17:13 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	5.993	31	641569	7.528	ppbV	99
26) 1,1-dichloroethene	6.274	61	585077	7.241	ppbV	99
27) tertiary butyl alcohol	6.316	59	892333	7.514	ppbV	100
28) methylene chloride	6.412	49	478177	7.426	ppbV	100
29) 3-chloropropene	6.544	41	782601	7.579	ppbV	99
30) carbon disulfide	6.712	76	1545059	7.447	ppbV	100
31) Freon 113	6.712	101	786544	7.364	ppbV	99
32) trans-1,2-dichloroethene	7.458	61	677804	7.461	ppbV	99
33) 1,1-dichloroethane	7.683	63	884193	7.419	ppbV	99
34) MTBE	7.750	73	1330910	7.503	ppbV	100
35) vinyl acetate	7.875	43	1131000	7.740	ppbV	100
36) 2-butanone	8.125	43	1139710	7.570	ppbV	100
37) cis-1,2-dichloroethene	8.633	61	627234	7.392	ppbV	100
38) Ethyl Acetate	8.908	61	175226	7.493	ppbV	100
39) chloroform	8.975	83	750287	7.401	ppbV	100
40) Tetrahydrofuran	9.408	42	729651	7.583	ppbV	99
41) 2,2-dichloropropane	8.992	77	662799	7.524	ppbV	100
42) 1,2-dichloroethane	9.808	62	468039	7.336	ppbV	99
44) hexane	8.892	57	788871	7.519	ppbV	95
45) diisopropyl ether	8.883	87	456668	6.580	ppbV	98
46) tert-butyl ethyl ether	9.500	59	1495386	7.584	ppbV	99
48) 1,1,1-trichloroethane	10.100	97	634373	7.442	ppbV	99
49) 1,1-dichloropropene	10.467	75	758148	6.746	ppbV	99
50) benzene	10.627	78	1765494	7.526	ppbV	100
51) thiophene	10.773	84	952091	7.641	ppbV	99
52) carbon tetrachloride	10.800	117	585771	7.414	ppbV	100
53) cyclohexane	10.940	56	836768	7.490	ppbV	99
54) tert-amyl methyl ether	11.320	73	1621068	7.616	ppbV	100
55) dibromomethane	11.547	93	424613	7.662	ppbV	99
56) 1,2-dichloropropane	11.573	63	628199	7.469	ppbV	99
57) bromodichloromethane	11.807	83	782710	7.430	ppbV	100
58) 1,4-dioxane	11.847	88	361395	7.802	ppbV	99
59) trichloroethene	11.860	130	632588	7.568	ppbV	98
60) 2,2,4-trimethylpentane	11.907	57	2585481	7.742	ppbV	100
61) methyl methacrylate	12.107	41	703187	7.690	ppbV	100
62) heptane	12.227	43	1160476	7.613	ppbV	100
63) cis-1,3-dichloropropene	12.875	75	935607	7.575	ppbV	100
64) 4-methyl-2-pentanone	12.908	43	1374311	7.578	ppbV	99
65) trans-1,3-dichloropropene	13.500	75	737900	7.641	ppbV	99
66) 1,1,2-trichloroethane	13.708	97	589286	7.477	ppbV	98

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330098.D
Acq On : 2 Apr 2024 8:23 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD020
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:17:13 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	14.033	91	1782685	7.669	ppbV	100
70) 2-methylthiophene	14.100	97	1349699	7.772	ppbV	99
71) 1,3-dichloropropane	14.058	76	981922	7.906	ppbV	99
72) 2-hexanone	14.325	43	1274683	7.848	ppbV	99
73) 3-methylthiophene	14.300	97	1420614	7.761	ppbV	100
74) dibromochloromethane	14.483	129	747397	7.762	ppbV	98
75) 1,2-dibromoethane	14.742	107	896800	7.635	ppbV	100
76) butyl acetate	14.992	73	328652	7.985	ppbV	100
77) octane	15.083	85	747334	7.896	ppbV	97
78) tetrachloroethene	15.208	166	801238	7.533	ppbV	98
79) 1,1,1,2-tetrachloroethane	15.842	131	595137	7.784	ppbV	99
80) chlorobenzene	15.858	112	1554306	7.632	ppbV	100
81) ethylbenzene	16.217	91	2240108	7.570	ppbV	100
82) 2-ethylthiophene	16.250	97	1575156	7.674	ppbV	99
83) m+p-xylene	16.375	91	3594620	15.127	ppbV	99
84) bromoform	16.442	173	756253	7.653	ppbV	98
85) styrene	16.708	104	1682525	7.687	ppbV	100
86) 1,1,2,2-tetrachloroethane	16.800	83	1347587	7.736	ppbV	100
87) o-xylene	16.800	91	1795728	7.605	ppbV	98
88) 1,2,3-trichloropropane	16.917	75	1153307	7.797	ppbV	100
89) nonane	17.000	43	1708014	7.852	ppbV	99
91) isopropylbenzene	17.317	105	2549412	7.584	ppbV	98
92) bromobenzene	17.392	77	1484507	7.822	ppbV	100
93) 2-chlorotoluene	17.725	126	736601	7.904	ppbV	97
94) n-propylbenzene	17.750	120	865835	7.873	ppbV	96
95) 4-chlorotoluene	17.783	126	700430	7.867	ppbV	97
96) 4-ethyl toluene	17.875	105	2696380	7.574	ppbV	98
97) 1,3,5-trimethylbenzene	17.942	105	2303925	7.511	ppbV	100
98) tert-butylbenzene	18.283	119	2231618	7.505	ppbV	99
99) 1,2,4-trimethylbenzene	18.283	105	2180516	7.281	ppbV	98
100) decane	18.367	57	1849587	7.758	ppbV	100
101) Benzyl Chloride	18.408	91	1613332	7.982	ppbV	100
102) 1,3-dichlorobenzene	18.417	146	1563451	7.570	ppbV	99
103) 1,4-dichlorobenzene	18.475	146	1474918	7.534	ppbV	99
104) sec-butylbenzene	18.508	105	3252831	7.657	ppbV	98
105) 1,2,3-trimethylbenzene	18.642	105	2013684	7.379	ppbV	100
106) p-isopropyltoluene	18.633	119	2654975	7.511	ppbV	98
107) 1,2-dichlorobenzene	18.758	146	1448823	7.545	ppbV	99
108) n-butylbenzene	18.983	91	2375887	7.738	ppbV	100
109) indan	18.808	117	2210020	7.572	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330098.D
Acq On : 2 Apr 2024 8:23 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD020
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:17:13 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

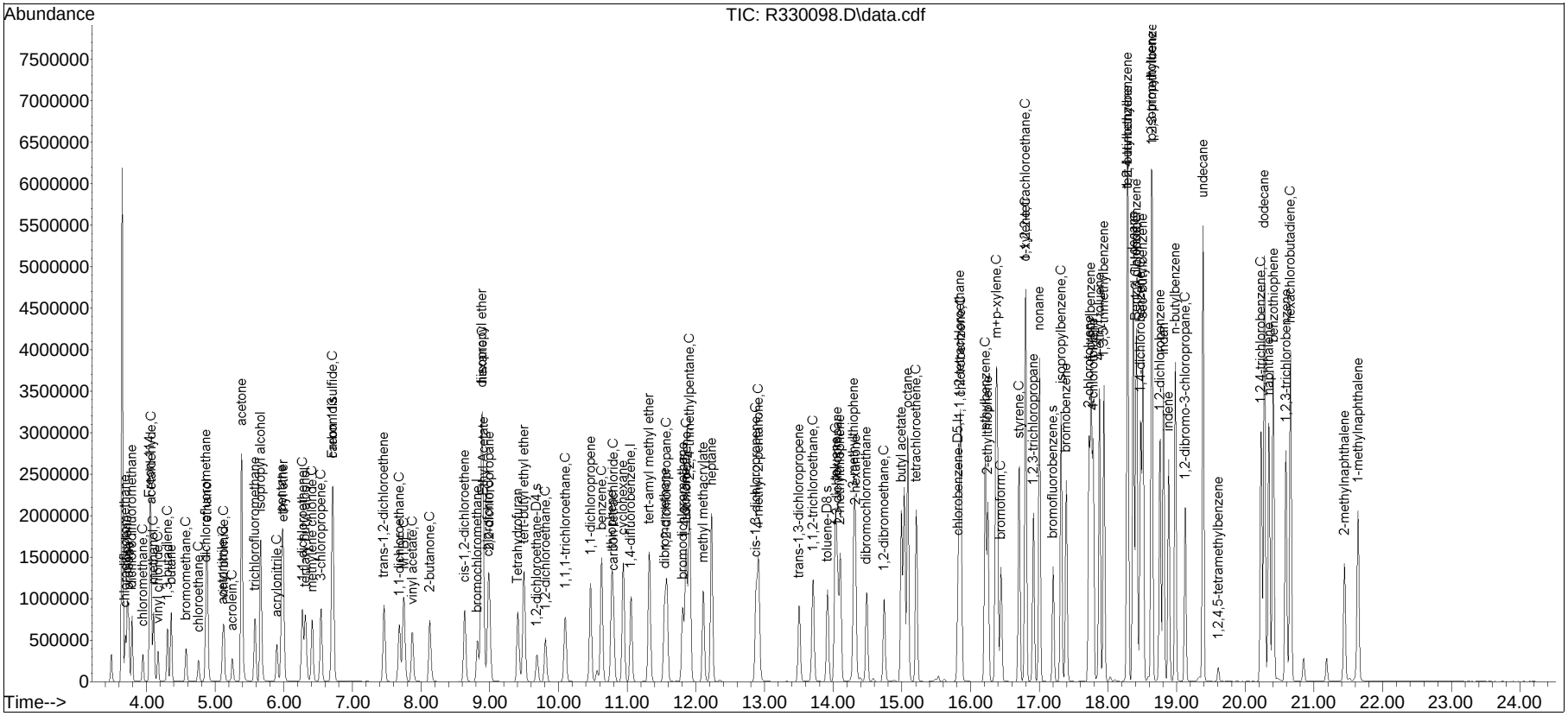
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	18.883	115	1594871	7.768	ppbV	99
111) 1,2-dibromo-3-chloropr...	19.125	75	647945	7.765	ppbV	99
112) undecane	19.383	57	2050429	7.727	ppbV	99
113) 1,2,4,5-tetramethylben...	19.608	119	108651	5.794	ppbV	100
114) dodecane	20.275	57	1997647	7.235	ppbV	100
115) 1,2,4-trichlorobenzene	20.225	180	1317759	7.350	ppbV	98
116) naphthalene	20.342	128	3021296	7.725	ppbV	100
117) 1,2,3-trichlorobenzene	20.592	180	1182861	7.714	ppbV	99
118) benzothiophene	20.408	134	3529814	5.025	ppbV	100
119) hexachlorobutadiene	20.658	225	1131561	7.247	ppbV	98
120) 2-methylnaphthalene	21.442	142	988278	4.962	ppbV	99
121) 1-methylnaphthalene	21.642	142	1455267	5.383	ppbV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default - All compounds listed24\04\0401T_I\R330097.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330098.D
Acq On : 2 Apr 2024 8:23 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD020
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:17:13 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

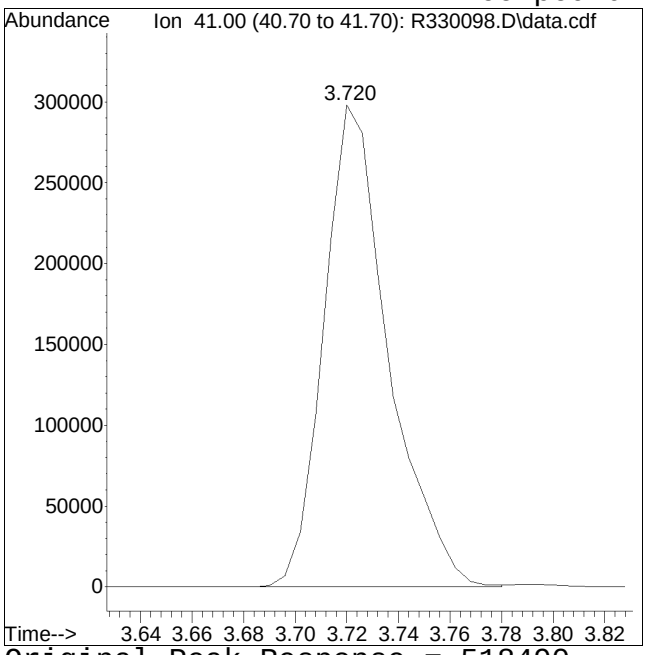


Manual Integration Report

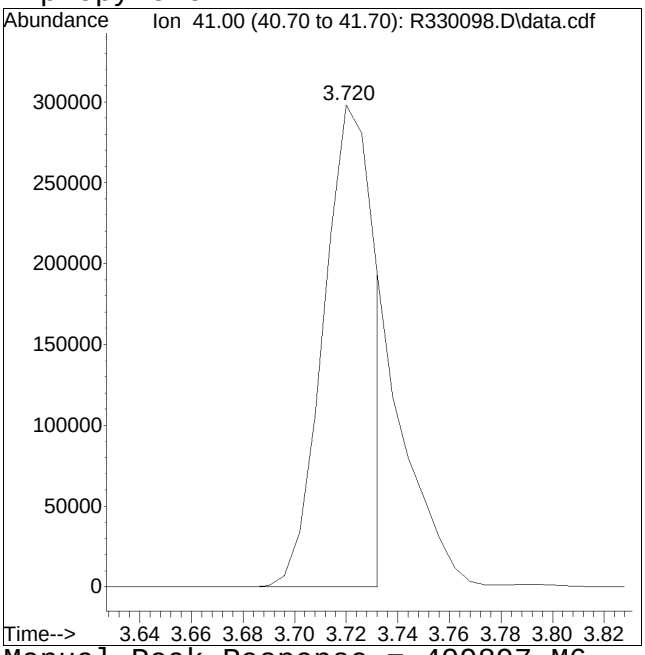
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330098.D
Date Inj'd : 4/2/2020 0:8: 3
Sample : ITO15-SIMSTD020

Method : TFS3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 1:17 pm

Compound #3: propylene



Original Peak Response = 518490



Manual Peak Response = 409897 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330099.D
Acq On : 2 Apr 2024 9:04 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD050
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:17:20 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.825	49	355819	10.000	ppbV	0.00
Standard Area = 331916			Recovery = 107.20%			
43) 1,4-difluorobenzene	11.060	114	1193196	10.000	ppbV	0.00
Standard Area = 1150401			Recovery = 103.72%			
67) chlorobenzene-D5	15.817	54	136403	10.000	ppbV	0.00
Standard Area = 137697			Recovery = 99.06%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.692	65	248706	9.313	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.13%			
69) toluene-D8	13.917	98	972425	10.373	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.73%			
90) bromofluorobenzene	17.200	95	667115	10.457	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.57%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.696	51	1260014	17.637	ppbV	98
3) propylene	3.720	41	997291M6	16.206	ppbV	
4) propane	3.744	29	865923	17.609	ppbV	97
5) dichlorodifluoromethane	3.792	85	1563748	16.508	ppbV	99
6) chloromethane	3.948	50	816039	17.527	ppbV	100
7) Freon-114	4.050	85	1783174	15.623	ppbV	100
8) methanol	4.110	31	1536361	84.449	ppbV	99
9) vinyl chloride	4.170	62	901880	17.265	ppbV	100
10) 1,3-butadiene	4.308	54	724576	17.684	ppbV	96
11) butane	4.362	43	1746610	17.429	ppbV	99
12) acetaldehyde	4.068	29	1390803	77.847	ppbV	97
13) bromomethane	4.578	94	691753	17.145	ppbV	99
14) chloroethane	4.758	64	468438	17.540	ppbV	100
15) ethanol	4.890	31	2459916	84.204	ppbV	95
16) dichlorofluoromethane	4.866	67	1514537	16.781	ppbV	99
17) vinyl bromide	5.130	106	565526	19.008	ppbV	99
18) acrolein	5.253	56	531038	18.555	ppbV	99
19) acetone	5.387	43	7564292	81.679	ppbV	96
20) acetonitrile	5.118	41	948795	22.534	ppbV	99
21) trichlorofluoromethane	5.583	101	1589944	16.511	ppbV	98
22) isopropyl alcohol	5.670	45	5418315	44.909	ppbV	100
23) acrylonitrile	5.903	53	946255	18.762	ppbV	99
24) pentane	5.973	43	2677386	17.666	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330099.D
Acq On : 2 Apr 2024 9:04 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD050
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:17:20 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	5.993	31	1537868	17.133	ppbV	97
26) 1,1-dichloroethene	6.274	61	1434813	16.859	ppbV	98
27) tertiary butyl alcohol	6.316	59	2191136	17.517	ppbV	100
28) methylene chloride	6.418	49	1203086	17.738	ppbV	99
29) 3-chloropropene	6.544	41	1965774	18.075	ppbV	97
30) carbon disulfide	6.712	76	3628483	16.603	ppbV	99
31) Freon 113	6.712	101	1880327	16.714	ppbV	98
32) trans-1,2-dichloroethene	7.458	61	1665421	17.405	ppbV	98
33) 1,1-dichloroethane	7.683	63	2178056	17.350	ppbV	100
34) MTBE	7.742	73	3273200	17.518	ppbV	99
35) vinyl acetate	7.875	43	2921977	18.984	ppbV	99
36) 2-butanone	8.125	43	2883492	18.184	ppbV	99
37) cis-1,2-dichloroethene	8.633	61	1544515	17.281	ppbV	98
38) Ethyl Acetate	8.908	61	439756	17.852	ppbV	97
39) chloroform	8.983	83	1816379	17.010	ppbV	99
40) Tetrahydrofuran	9.408	42	1843369	18.189	ppbV	100
41) 2,2-dichloropropane	9.000	77	1588913	17.124	ppbV	98
42) 1,2-dichloroethane	9.808	62	1121715	16.691	ppbV	97
44) hexane	8.892	57	1884194	17.479	ppbV	94
45) diisopropyl ether	8.883	87	1129105	15.834	ppbV	90
46) tert-butyl ethyl ether	9.500	59	3638645	17.959	ppbV	98
48) 1,1,1-trichloroethane	10.100	97	1540697	17.590	ppbV	98
49) 1,1-dichloropropene	10.467	75	1872495	16.216	ppbV	97
50) benzene	10.627	78	4334149	17.982	ppbV	99
51) thiophene	10.780	84	2378011	18.573	ppbV	98
52) carbon tetrachloride	10.800	117	1405837	17.316	ppbV	98
53) cyclohexane	10.947	56	2077584	18.098	ppbV	98
54) tert-amyl methyl ether	11.320	73	3986586	18.227	ppbV	99
55) dibromomethane	11.547	93	1047563	18.397	ppbV	98
56) 1,2-dichloropropane	11.580	63	1534317	17.753	ppbV	99
57) bromodichloromethane	11.813	83	1900557	17.559	ppbV	99
58) 1,4-dioxane	11.847	88	917166	19.269	ppbV	98
59) trichloroethene	11.860	130	1548517	18.030	ppbV	98
60) 2,2,4-trimethylpentane	11.907	57	6264516	18.257	ppbV	99
61) methyl methacrylate	12.107	41	1755511	18.685	ppbV	99
62) heptane	12.233	43	2866136	18.299	ppbV	100
63) cis-1,3-dichloropropene	12.875	75	2326181	18.330	ppbV	98
64) 4-methyl-2-pentanone	12.917	43	3400919	18.251	ppbV	100
65) trans-1,3-dichloropropene	13.508	75	1851576	18.660	ppbV	99
66) 1,1,2-trichloroethane	13.708	97	1451289	17.920	ppbV	97

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330099.D
Acq On : 2 Apr 2024 9:04 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD050
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:17:20 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	14.033	91	4306796	18.323	ppbV	99
70) 2-methylthiophene	14.108	97	3317692	18.893	ppbV	100
71) 1,3-dichloropropane	14.067	76	2387847	19.013	ppbV	100
72) 2-hexanone	14.325	43	3223058	19.623	ppbV	99
73) 3-methylthiophene	14.300	97	3438376	18.576	ppbV	100
74) dibromochloromethane	14.492	129	1794440	18.429	ppbV	97
75) 1,2-dibromoethane	14.742	107	2152697	18.124	ppbV	98
76) butyl acetate	14.992	73	820375	19.711	ppbV	96
77) octane	15.083	85	1837026	19.194	ppbV	94
78) tetrachloroethene	15.208	166	1808918	16.819	ppbV	93
79) 1,1,1,2-tetrachloroethane	15.842	131	1396854	18.068	ppbV	98
80) chlorobenzene	15.858	112	3514981	17.069	ppbV	99
81) ethylbenzene	16.217	91	5393525	18.026	ppbV	100
82) 2-ethylthiophene	16.250	97	3778772	18.206	ppbV	99
83) m+p-xylene	16.383	91	8448328	35.160	ppbV	98
84) bromoform	16.442	173	1741011	17.423	ppbV	97
85) styrene	16.708	104	4002677	18.084	ppbV	100
86) 1,1,2,2-tetrachloroethane	16.800	83	3097852	17.588	ppbV	100
87) o-xylene	16.800	91	4042046	16.929	ppbV	97
88) 1,2,3-trichloropropane	16.917	75	2780563	18.590	ppbV	98
89) nonane	17.008	43	3980883	18.099	ppbV	100
91) isopropylbenzene	17.317	105	5768611	16.970	ppbV	94
92) bromobenzene	17.392	77	3511472	18.298	ppbV	99
93) 2-chlorotoluene	17.725	126	1792010	19.016	ppbV	89
94) n-propylbenzene	17.758	120	2048026	18.417	ppbV	92
95) 4-chlorotoluene	17.783	126	1728861	19.203	ppbV	96
96) 4-ethyl toluene	17.875	105	6083722	16.900	ppbV	96
97) 1,3,5-trimethylbenzene	17.942	105	5139936	16.571	ppbV	97
98) tert-butylbenzene	18.283	119	4385906	14.586	ppbV	90
99) 1,2,4-trimethylbenzene	18.292	105	4433128	14.640	ppbV	97
100) decane	18.367	57	4329775	17.961	ppbV	96
101) Benzyl Chloride	18.408	91	3930675	19.233	ppbV	97
102) 1,3-dichlorobenzene	18.417	146	3452370	16.531	ppbV	97
103) 1,4-dichlorobenzene	18.475	146	3389740	17.124	ppbV	99
104) sec-butylbenzene	18.508	105	7083444	16.490	ppbV	92
105) 1,2,3-trimethylbenzene	18.642	105	4079831	14.784	ppbV	100
106) p-isopropyltoluene	18.642	119	5175506	14.480	ppbV	91
107) 1,2-dichlorobenzene	18.758	146	3361565	17.313	ppbV	98
108) n-butylbenzene	18.983	91	5489446	17.680	ppbV	96
109) indan	18.808	117	4857734	16.459	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330099.D
Acq On : 2 Apr 2024 9:04 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD050
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:17:20 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

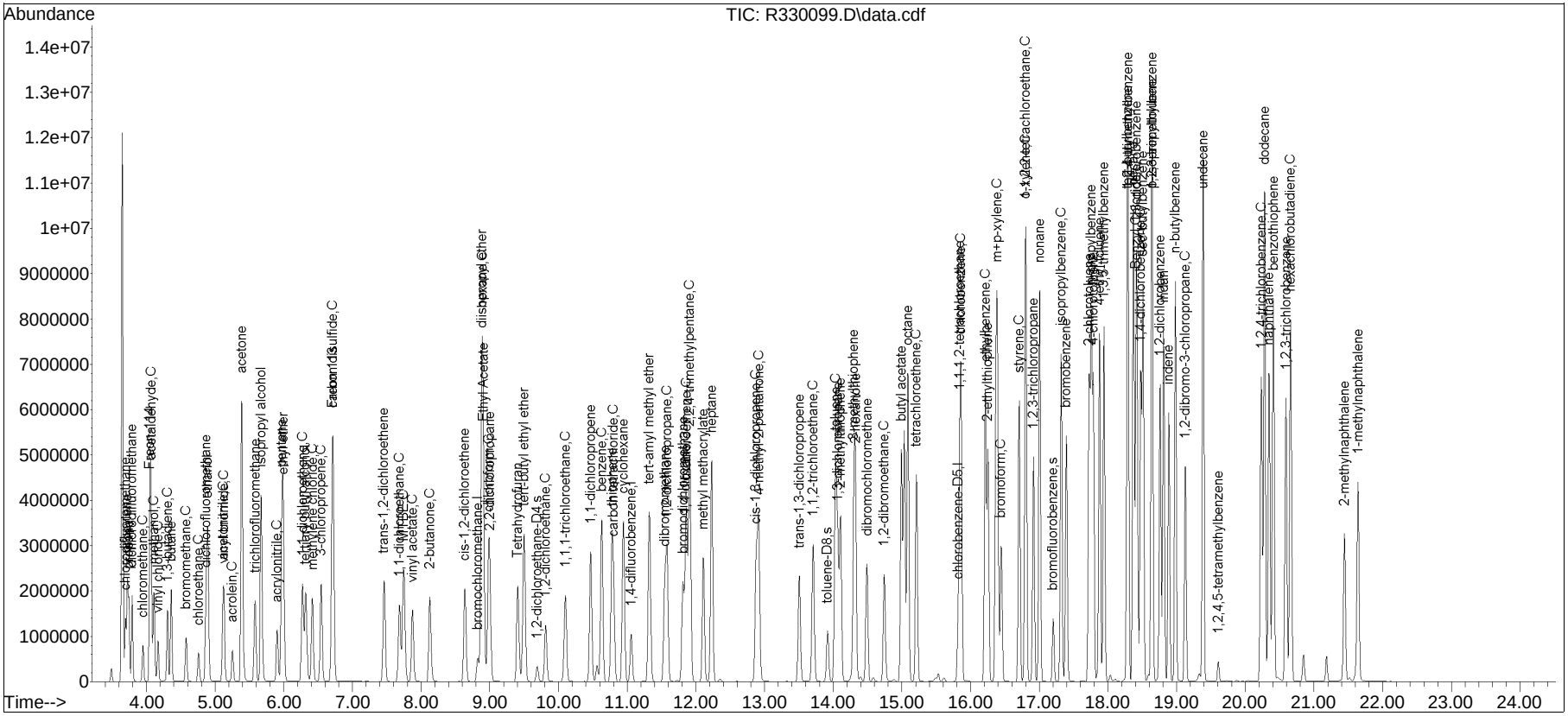
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	18.883	115	3659596	17.628	ppbV	99
111) 1,2-dibromo-3-chloropr...	19.125	75	1483231	17.578	ppbV	95
112) undecane	19.383	57	4742922	17.676	ppbV	94
113) 1,2,4,5-tetramethylben...	19.608	119	282727	14.910	ppbV	99
114) dodecane	20.283	57	4568957	16.364	ppbV	97
115) 1,2,4-trichlorobenzene	20.233	180	2977749	16.426	ppbV	98
116) naphthalene	20.342	128	6948392	17.569	ppbV	100
117) 1,2,3-trichlorobenzene	20.592	180	2750036	17.736	ppbV	98
118) benzothiophene	20.408	134	7928786	11.162	ppbV	98
119) hexachlorobutadiene	20.658	225	2377620	15.058	ppbV	95
120) 2-methylnaphthalene	21.442	142	2285522	11.347	ppbV	99
121) 1-methylnaphthalene	21.642	142	3140911	11.489	ppbV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default - All compounds listed24\04\0401T_I\R330097.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330099.D
Acq On : 2 Apr 2024 9:04 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD050
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:17:20 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

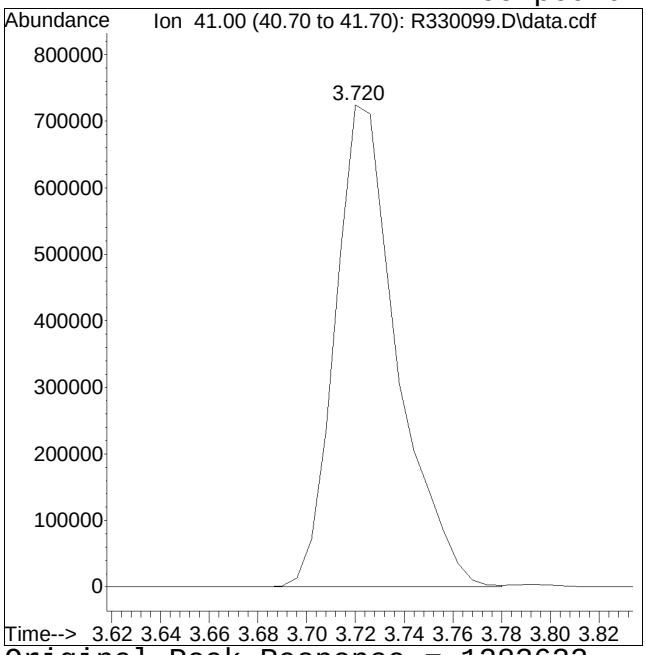


Manual Integration Report

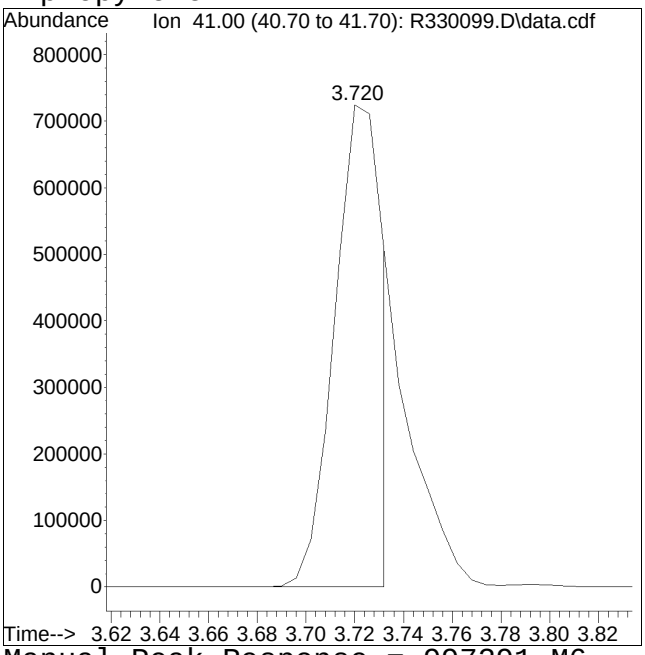
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330099.D
Date Inj'd : 4/2/2020 0:9: 4
Sample : ITO15-SIMSTD050

Method : TFS3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 1:17 pm

Compound #3: propylene



Original Peak Response = 1283622



Manual Peak Response = 997291 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330100.D
Acq On : 2 Apr 2024 9:46 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-LLSTD100
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:17:47 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	8.825	49	377750	10.000	ppbV		0.00
Standard Area = 331916			Recovery = 113.81%				
43) 1,4-difluorobenzene	11.060	114	1217557	10.000	ppbV		0.00
Standard Area = 1150401			Recovery = 105.84%				
67) chlorobenzene-D5	15.825	54	137685	10.000	ppbV	#	0.00
Standard Area = 137697			Recovery = 99.99%				
System Monitoring Compounds							
47) 1,2-dichloroethane-D4	9.692	65	246254	9.037	ppbV		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.37%				
69) toluene-D8	13.917	98	999630	10.563	ppbV		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.63%				
90) bromofluorobenzene	17.208	95	692588	10.756	ppbV		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.56%				
Target Compounds							Qvalue
2) chlorodifluoromethane	3.690	51	2358326	31.095	ppbV		97
3) propylene	3.720	41	2014301M6	30.833	ppbV		
4) propane	3.744	29	1648887	31.584	ppbV		94
5) dichlorodifluoromethane	3.792	85	2792409	27.768	ppbV		99
6) chloromethane	3.948	50	1593643	32.241	ppbV		99
7) Freon-114	4.050	85	2933258	24.208	ppbV		99
8) methanol	4.110	31	2863668	148.268	ppbV		98
9) vinyl chloride	4.170	62	1716590	30.954	ppbV		100
10) 1,3-butadiene	4.308	54	1395628	32.083	ppbV		93
11) butane	4.356	43	3308948	31.103	ppbV		99
12) acetaldehyde	4.068	29	2437333	128.504	ppbV		100
13) bromomethane	4.578	94	1320780	30.835	ppbV		100
14) chloroethane	4.758	64	908169	32.030	ppbV		100
15) ethanol	4.896	31	4480339	144.460	ppbV		93
16) dichlorofluoromethane	4.866	67	2800042	29.222	ppbV		100
17) vinyl bromide	5.130	106	1010289	31.986	ppbV		98
18) acrolein	5.250	56	1081007	35.579	ppbV		98
19) acetone	5.390	43	13238941	134.654	ppbV	#	89
20) acetonitrile	5.118	41	1555917	34.808	ppbV		100
21) trichlorofluoromethane	5.580	101	2914720	28.510	ppbV		98
22) isopropyl alcohol	5.677	45	10363797	80.913	ppbV		99
23) acrylonitrile	5.903	53	1929561	36.038	ppbV		99
24) pentane	5.973	43	5065761	31.484	ppbV		99

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330100.D
Acq On : 2 Apr 2024 9:46 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-LLSTD100
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:17:47 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	5.993	31	2858540	29.997	ppbV	93
26) 1,1-dichloroethene	6.274	61	2675009	29.607	ppbV	95
27) tertiary butyl alcohol	6.322	59	4251867	32.018	ppbV	99
28) methylene chloride	6.418	49	2404046	33.388	ppbV	98
29) 3-chloropropene	6.544	41	3891775	33.707	ppbV	95
30) carbon disulfide	6.712	76	6308388	27.190	ppbV	100
31) Freon 113	6.712	101	3427108	28.695	ppbV	98
32) trans-1,2-dichloroethene	7.458	61	3195595	31.458	ppbV	96
33) 1,1-dichloroethane	7.683	63	4189682	31.437	ppbV	99
34) MTBE	7.742	73	6289245	31.706	ppbV	98
35) vinyl acetate	7.875	43	5936034	36.327	ppbV	98
36) 2-butanone	8.125	43	5724067	34.001	ppbV	99
37) cis-1,2-dichloroethene	8.642	61	2949728	31.087	ppbV	96
38) Ethyl Acetate	8.917	61	848703	32.454	ppbV	71
39) chloroform	8.983	83	3356539	29.608	ppbV	98
40) Tetrahydrofuran	9.400	42	3693913	34.332	ppbV	100
41) 2,2-dichloropropane	9.000	77	2895168	29.390	ppbV	96
42) 1,2-dichloroethane	9.817	62	2086498	29.245	ppbV	94
44) hexane	8.892	57	3479546	31.633	ppbV	76
45) diisopropyl ether	8.883	87	2140830	29.421	ppbV	80
46) tert-butyl ethyl ether	9.500	59	6868153	33.221	ppbV	95
48) 1,1,1-trichloroethane	10.100	97	2865086	32.055	ppbV	97
49) 1,1-dichloropropene	10.467	75	3587364	30.445	ppbV	94
50) benzene	10.633	78	8256310	33.568	ppbV	97
51) thiophene	10.780	84	4601750	35.222	ppbV	98
52) carbon tetrachloride	10.800	117	2513185	30.337	ppbV	98
53) cyclohexane	10.947	56	4103265	35.028	ppbV	97
54) tert-amyl methyl ether	11.327	73	7561671	33.881	ppbV	98
55) dibromomethane	11.553	93	1982072	34.113	ppbV	92
56) 1,2-dichloropropane	11.580	63	2904066	32.930	ppbV	97
57) bromodichloromethane	11.813	83	3598583	32.582	ppbV	99
58) 1,4-dioxane	11.847	88	1791584	36.887	ppbV	96
59) trichloroethene	11.867	130	2884850	32.917	ppbV	99
60) 2,2,4-trimethylpentane	11.913	57	11410625	32.589	ppbV	97
61) methyl methacrylate	12.113	41	3431200	35.789	ppbV	97
62) heptane	12.233	43	5449898	34.098	ppbV	98
63) cis-1,3-dichloropropene	12.875	75	4454697	34.400	ppbV	96
64) 4-methyl-2-pentanone	12.917	43	6547636	34.435	ppbV	98
65) trans-1,3-dichloropropene	13.508	75	3569625	35.254	ppbV	97
66) 1,1,2-trichloroethane	13.708	97	2823857	34.171	ppbV	95

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330100.D
Acq On : 2 Apr 2024 9:46 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-LLSTD100
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:17:47 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) toluene	14.033	91	7953694	33.524	ppbV		97
70) 2-methylthiophene	14.108	97	6223518	35.111	ppbV		99
71) 1,3-dichloropropane	14.067	76	4456749	35.156	ppbV		97
72) 2-hexanone	14.325	43	5934814	35.797	ppbV		95
73) 3-methylthiophene	14.300	97	6327923	33.869	ppbV		99
74) dibromochloromethane	14.492	129	3191032	32.467	ppbV		95
75) 1,2-dibromoethane	14.750	107	3862613	32.218	ppbV		98
76) butyl acetate	14.992	73	1577683	37.554	ppbV		90
77) octane	15.092	85	3458731	35.802	ppbV		91
78) tetrachloroethene	15.217	166	3019042	27.809	ppbV		88
79) 1,1,1,2-tetrachloroethane	15.850	131	2297940	29.447	ppbV		98
80) chlorobenzene	15.867	112	5831656	28.055	ppbV		98
81) ethylbenzene	16.217	91	9669046	32.014	ppbV		100
82) 2-ethylthiophene	16.258	97	6733715	32.140	ppbV		99
83) m+p-xylene	16.392	91	14149733	58.340	ppbV		96
84) bromoform	16.450	173	2854953	28.305	ppbV		95
85) styrene	16.708	104	7080281	31.690	ppbV		99
86) 1,1,2,2-tetrachloroethane	16.808	83	4843900	27.244	ppbV		98
87) o-xylene	16.808	91	6404682	26.575	ppbV		99
88) 1,2,3-trichloropropane	16.917	75	4997686	33.101	ppbV		95
89) nonane	17.008	43	6761951	30.458	ppbV		92
91) isopropylbenzene	17.325	105	9544876	27.818	ppbV		92
92) bromobenzene	17.400	77	6053124	31.249	ppbV		99
93) 2-chlorotoluene	17.725	126	3136444	32.972	ppbV		85
94) n-propylbenzene	17.758	120	3392714	30.226	ppbV		87
95) 4-chlorotoluene	17.792	126	3107596	34.196	ppbV		87
96) 4-ethyl toluene	17.883	105	10052829	27.666	ppbV	#	94
97) 1,3,5-trimethylbenzene	17.942	105	8195631	26.176	ppbV		95
98) tert-butylbenzene	18.292	119	6504930	21.432	ppbV	#	89
99) 1,2,4-trimethylbenzene	18.292	105	7138648	23.355	ppbV		98
100) decane	18.375	57	7414875	30.472	ppbV		90
101) Benzyl Chloride	18.408	91	6482338	31.423	ppbV		95
102) 1,3-dichlorobenzene	18.425	146	5413560	25.680	ppbV		97
103) 1,4-dichlorobenzene	18.483	146	5649457	28.274	ppbV		98
104) sec-butylbenzene	18.517	105	10931545	25.211	ppbV	#	88
105) 1,2,3-trimethylbenzene	18.642	105	6056746	21.743	ppbV		98
106) p-isopropyltoluene	18.642	119	7382077	20.462	ppbV		89
107) 1,2-dichlorobenzene	18.758	146	5578556	28.463	ppbV		98
108) n-butylbenzene	18.983	91	8990653	28.687	ppbV		91
109) indan	18.817	117	7498062	25.169	ppbV	#	96

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330100.D
Acq On : 2 Apr 2024 9:46 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-LLSTD100
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:17:47 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default - All compounds listed

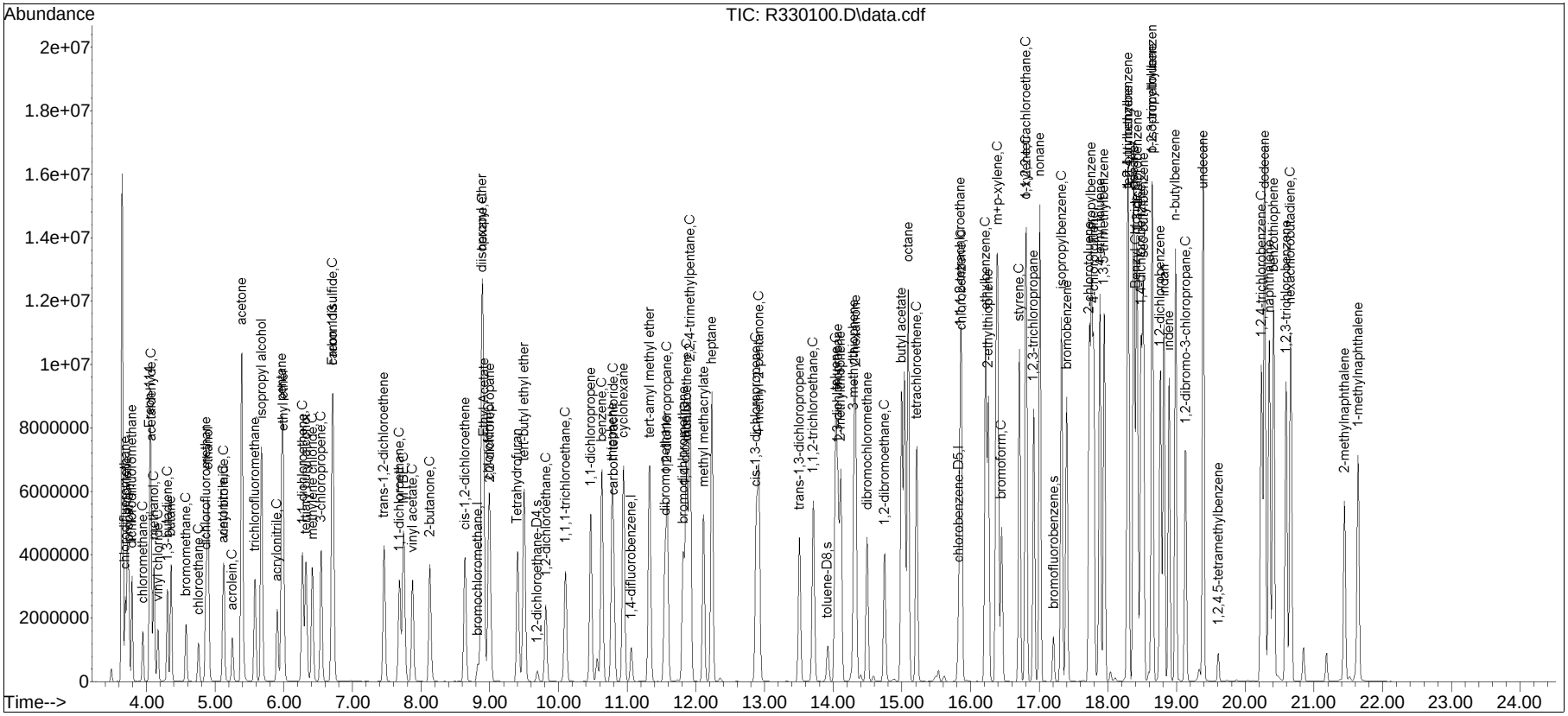
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	18.892	115	6189255	29.536	ppbV #	97
111) 1,2-dibromo-3-chloropr...	19.133	75	2479828	29.114	ppbV	96
112) undecane	19.383	57	7852397	28.992	ppbV	88
113) 1,2,4,5-tetramethylben...	19.608	119	580243	30.316	ppbV	99
114) dodecane	20.283	57	7761054	27.538	ppbV	88
115) 1,2,4-trichlorobenzene	20.233	180	4830295	26.397	ppbV	96
116) naphthalene	20.350	128	11025558	27.618	ppbV	98
117) 1,2,3-trichlorobenzene	20.592	180	4488640	28.680	ppbV	96
118) benzothiophene	20.408	134	12188676	16.999	ppbV	96
119) hexachlorobutadiene	20.658	225	3551581	22.284	ppbV	94
120) 2-methylnaphthalene	21.442	142	4070808	20.023	ppbV	99
121) 1-methylnaphthalene	21.642	142	5204903	18.862	ppbV	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default - All compounds listed24\04\0401T_I\R330097.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : R330100.D
Acq On : 2 Apr 2024 9:46 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-LLSTD100
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:17:47 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:15:57 2024
Response via : Initial Calibration

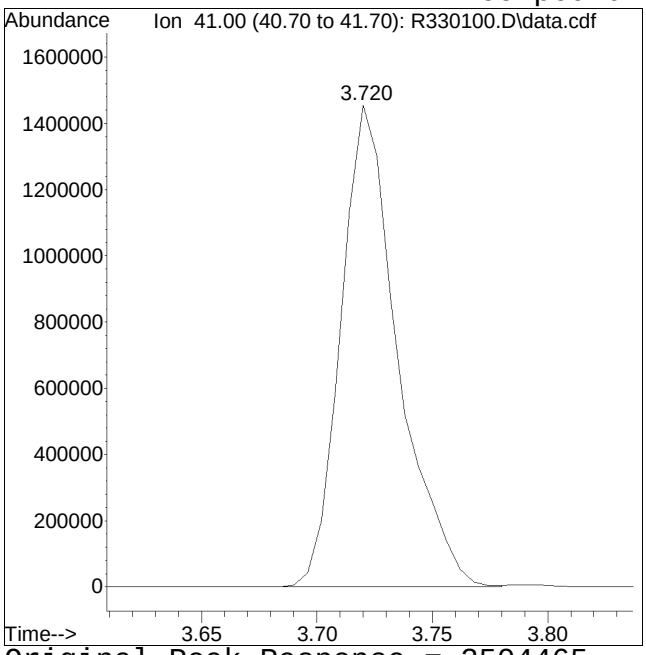


Manual Integration Report

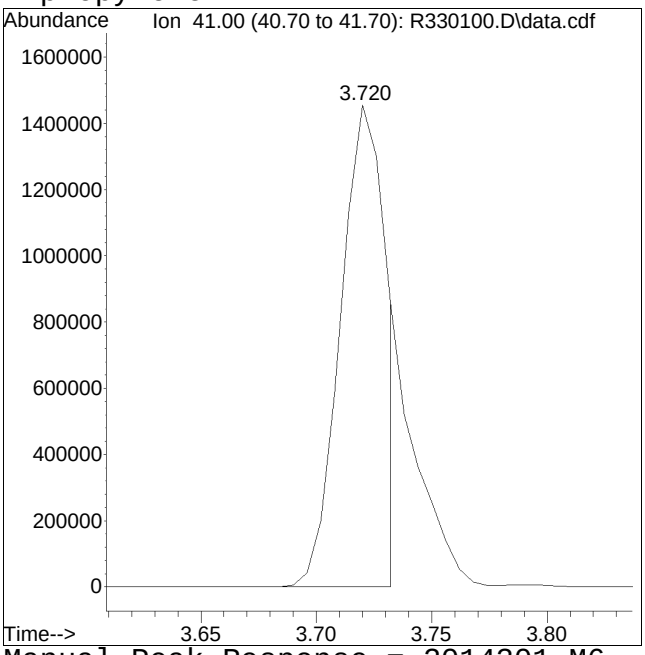
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330100.D
Date Inj'd : 4/2/2020 0:9: 6
Sample : ITO15-LLSTD100

Method : TFS3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 1:17 pm

Compound #3: propylene



Original Peak Response = 2504465



Manual Peak Response = 2014301 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : r330103.D
Acq On : 2 Apr 2024 1:09 PM
Operator : AIRPIANO3:BJB
Sample : CTO15-LLSTD010
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:39:20 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:24:49 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	bromochloromethane	1.000	1.000	0.0	102	0.00
2		chlorodifluoromethane	0.937	0.814	13.1	83	0.00
3		propylene	0.668	0.763	-14.2	90	0.00
4		propane	0.595	0.533	10.4	79	0.00
5		dichlorodifluoromethane	1.090	1.053	3.4	81	0.00
6	C	chloromethane	0.545	0.508	6.8	79	0.00
7		Freon-114	1.295	1.388	-7.2	88	0.00
8	C	methanol	0.227	0.177	22.0	71	0.00
9	C	vinyl chloride	0.605	0.573	5.3	80	0.00
10	C	1,3-butadiene	0.478	0.487	-1.9	86	0.00
11		butane	1.204	1.085	9.9	79	0.00
13	C	bromomethane	0.469	0.467	0.4	84	0.00
14	C	chloroethane	0.313	0.307	1.9	83	0.00
15		ethanol	0.342	0.315	7.9	78	0.00
16		dichlorofluoromethane	1.155	0.935	19.0	75	0.00
17	C	vinyl bromide	0.368	0.281	23.6	69	0.00
18	C	acrolein	0.333	0.317	4.8	80	0.00
19		acetone	1.088	1.068	1.8	84	0.00
20	C	acetonitrile	0.557	0.463	16.9	80	0.00
21		trichlorofluoromethane	1.108	1.067	3.7	80	0.00
22		isopropyl alcohol	1.451	1.302	10.3	78	0.00
23	C	acrylonitrile	0.592	0.582	1.7	84	0.00
24		pentane	1.789	1.699	5.0	81	0.00
25		ethyl ether	1.042	0.957	8.2	77	0.00
26	C	1,1-dichloroethene	1.008	0.994	1.4	85	0.00
27		tertiary butyl alcohol	1.441	1.410	2.2	82	0.00
28	C	methylene chloride	0.801	0.807	-0.7	86	0.00
29	C	3-chloropropene	1.266	1.355	-7.0	90	0.00
30	C	carbon disulfide	2.491	2.423	2.7	80	0.00
31		Freon 113	1.309	1.318	-0.7	85	0.00
32		trans-1,2-dichloroethene	1.108	1.053	5.0	80	0.00
33	C	1,1-dichloroethane	1.448	1.425	1.6	82	0.00
34	C	MTBE	2.170	2.194	-1.1	85	0.00
35	C	vinyl acetate	1.832	1.618	11.7	76	0.00
36	C	2-butanone	1.861	1.854	0.4	85	0.00
37		cis-1,2-dichloroethene	1.025	1.014	1.1	82	0.00
38		Ethyl Acetate	0.279	0.290	-3.9	85	0.00
39	C	chloroform	1.233	1.233	0.0	84	0.00
40		Tetrahydrofuran	1.202	1.164	3.2	83	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : r330103.D
Acq On : 2 Apr 2024 1:09 PM
Operator : AIRPIANO3:BJB
Sample : CTO15-LLSTD010
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:39:20 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:24:49 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41		2,2-dichloropropane	1.069	1.005	6.0	79	0.00
42	C	1,2-dichloroethane	0.791	0.719	9.1	78	0.00
43	I	1,4-difluorobenzene	1.000	1.000	0.0	101	0.00
44	C	hexane	0.375	0.377	-0.5	84	0.00
45		diisopropyl ether	0.220	0.211	4.1	71	0.00
46		tert-butyl ethyl ether	0.704	0.659	6.4	78	0.00
47	s	1,2-dichloroethane-D4	0.219	0.212	3.2	95	0.00
48	C	1,1,1-trichloroethane	0.301	0.292	3.0	80	0.00
49		1,1-dichloropropene	0.364	0.358	1.6	75	0.00
50	C	benzene	0.849	0.829	2.4	83	0.00
52	C	carbon tetrachloride	0.275	0.276	-0.4	82	0.00
53		cyclohexane	0.398	0.401	-0.8	84	0.00
54		tert-amyl methyl ether	0.758	0.741	2.2	81	0.00
55		dibromomethane	0.198	0.191	3.5	81	0.00
56	C	1,2-dichloropropane	0.297	0.294	1.0	82	0.00
57		bromodichloromethane	0.363	0.378	-4.1	84	0.00
58	C	1,4-dioxane	0.167	0.175	-4.8	89	0.00
59	C	trichloroethene	0.295	0.305	-3.4	86	0.00
60	C	2,2,4-trimethylpentane	1.214	1.237	-1.9	87	0.00
61		methyl methacrylate	0.318	0.351	-10.4	90	0.00
62		heptane	0.544	0.570	-4.8	87	0.00
63	C	cis-1,3-dichloropropene	0.426	0.447	-4.9	85	0.00
64	C	4-methyl-2-pentanone	0.642	0.672	-4.7	87	0.00
65		trans-1,3-dichloropropene	0.324	0.348	-7.4	84	0.00
66	C	1,1,2-trichloroethane	0.277	0.280	-1.1	83	0.00
67	I	chlorobenzene-D5	1.000	1.000	0.0	95	0.00
68	C	toluene	7.122	7.521	-5.6	83	0.00
69	s	toluene-D8	6.964	7.273	-4.4	101	0.00
71		1,3-dichloropropane	3.847	3.892	-1.2	81	0.00
72		2-hexanone	4.786	5.460	-14.1	87	0.00
74		dibromochloromethane	2.859	3.295	-15.3	88	0.00
75	C	1,2-dibromoethane	3.521	3.767	-7.0	83	0.00
76		butyl acetate	1.268	1.312	-3.5	82	0.00
77		octane	3.061	2.984	2.5	81	0.00
78	C	tetrachloroethene	3.203	3.449	-7.7	83	0.00
79		1,1,1,2-tetrachloroethane	2.313	2.400	-3.8	81	0.00
80	C	chlorobenzene	6.145	6.547	-6.5	83	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : r330103.D
Acq On : 2 Apr 2024 1:09 PM
Operator : AIRPIANO3:BJB
Sample : CTO15-LLSTD010
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:39:20 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:24:49 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
81	C	ethylbenzene	8.953	9.413	-5.1	82	0.00
83	C	m+p-xylene	7.180	7.661	-6.7	83	0.00
84	C	bromoform	2.777	3.276	-18.0	85	0.00
85	C	styrene	6.479	7.148	-10.3	84	0.00
86	C	1,1,2,2-tetrachloroethane	5.145	5.829	-13.3	86	0.00
87	C	o-xylene	7.115	7.851	-10.3	86	0.00
88		1,2,3-trichloropropane	4.513	4.600	-1.9	80	0.00
89		nonane	6.633	6.855	-3.3	81	0.00
90	s	bromofluorobenzene	4.730	4.939	-4.4	101	0.00
91	C	isopropylbenzene	10.145	10.872	-7.2	83	0.00
92		bromobenzene	5.805	6.035	-4.0	82	0.00
93		2-chlorotoluene	2.840	2.877	-1.3	79	0.00
94		n-propylbenzene	3.341	3.499	-4.7	82	0.00
95		4-chlorotoluene	2.764	2.796	-1.2	81	0.00
96		4-ethyl toluene	10.590	11.500	-8.6	83	0.00
97		1,3,5-trimethylbenzene	9.221	10.224	-10.9	86	0.00
98		tert-butylbenzene	8.818	9.461	-7.3	82	0.00
99		1,2,4-trimethylbenzene	8.849	9.993	-12.9	86	0.00
100		decane	7.252	7.294	-0.6	79	0.00
101	C	Benzyl Chloride	5.598	6.289	-12.3	80	0.00
102		1,3-dichlorobenzene	5.890	6.855	-16.4	85	0.00
103	C	1,4-dichlorobenzene	5.895	6.588	-11.8	87	0.00
104		sec-butylbenzene	12.862	13.234	-2.9	80	0.00
106		p-isopropyltoluene	10.584	10.898	-3.0	79	0.00
107		1,2-dichlorobenzene	5.711	6.335	-10.9	85	0.00
108		n-butylbenzene	9.226	9.833	-6.6	82	0.00
111	C	1,2-dibromo-3-chloropropane	2.451	2.592	-5.8	80	0.00
112		undecane	7.950	8.189	-3.0	79	0.00
114		dodecane	7.791	8.187	-5.1	76	0.00
115	C	1,2,4-trichlorobenzene	4.868	6.216	-27.7	89	0.00
116		naphthalene	11.284	12.339	-9.3	81	0.00
117		1,2,3-trichlorobenzene	4.439	4.945	-11.4	83	0.00
119	C	hexachlorobutadiene	4.530	5.519	-21.8	91	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : r330103.D
Acq On : 2 Apr 2024 1:09 PM
Operator : AIRPIANO3:BJB
Sample : CTO15-LLSTD010
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:39:20 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:24:49 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.825	49	338446	10.000	ppbV	0.00
Standard Area = 331916			Recovery = 101.97%			
43) 1,4-difluorobenzene	11.060	114	1159176	10.000	ppbV	0.00
Standard Area = 1150401			Recovery = 100.76%			
67) chlorobenzene-D5	15.817	54	131340	10.000	ppbV	0.00
Standard Area = 137697			Recovery = 95.38%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.692	65	245318	9.671	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.71%			
69) toluene-D8	13.917	98	955184	10.443	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.43%			
90) bromofluorobenzene	17.200	95	648728	10.442	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.42%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.696	51	275365	8.680	ppbV	98
3) propylene	3.726	41	258097M6	9.027	ppbV	
4) propane	3.750	29	180558	8.968	ppbV	96
5) dichlorodifluoromethane	3.792	85	356485	9.663	ppbV	100
6) chloromethane	3.954	50	171811	9.318	ppbV	100
7) Freon-114	4.056	85	469658	10.715	ppbV	97
8) methanol	4.110	31	300115	39.075	ppbV	99
9) vinyl chloride	4.170	62	193870	9.466	ppbV	99
10) 1,3-butadiene	4.308	54	164785	10.189	ppbV	96
11) butane	4.362	43	367127	9.008	ppbV	100
13) bromomethane	4.578	94	157914	9.950	ppbV	99
14) chloroethane	4.764	64	103845	9.813	ppbV	100
15) ethanol	4.884	31	532385	45.987	ppbV	96
16) dichlorofluoromethane	4.866	67	316587	8.102	ppbV	100
17) vinyl bromide	5.130	106	95269	7.650	ppbV	99
18) acrolein	5.257	56	107131	9.514	ppbV	98
19) acetone	5.390	43	1808096	49.087	ppbV	100
20) acetonitrile	5.112	41	156774	8.309	ppbV	99
21) trichlorofluoromethane	5.583	101	361142	9.627	ppbV	98
22) isopropyl alcohol	5.667	45	1101484	22.432	ppbV	100
23) acrylonitrile	5.903	53	197000	9.837	ppbV	99
24) pentane	5.977	43	574905	9.496	ppbV	100
25) ethyl ether	6.000	31	323813	9.184	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : r330103.D
Acq On : 2 Apr 2024 1:09 PM
Operator : AIRPIANO3:BJB
Sample : CTO15-LLSTD010
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:39:20 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:24:49 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) 1,1-dichloroethene	6.274	61	336435	9.857	ppbV	97
27) tertiary butyl alcohol	6.322	59	477231	9.786	ppbV	99
28) methylene chloride	6.418	49	273019	10.076	ppbV	99
29) 3-chloropropene	6.544	41	458545	10.704	ppbV	98
30) carbon disulfide	6.712	76	820120	9.729	ppbV	99
31) Freon 113	6.712	101	446014	10.068	ppbV	99
32) trans-1,2-dichloroethene	7.467	61	356262	9.499	ppbV	98
33) 1,1-dichloroethane	7.683	63	482301	9.844	ppbV	99
34) MTBE	7.750	73	742456	10.110	ppbV	99
35) vinyl acetate	7.875	43	547716	8.832	ppbV	99
36) 2-butanone	8.133	43	627431	9.961	ppbV	99
37) cis-1,2-dichloroethene	8.633	61	343092	9.890	ppbV	96
38) Ethyl Acetate	8.908	61	98210	10.412	ppbV	86
39) chloroform	8.975	83	417194	10.000	ppbV	99
40) Tetrahydrofuran	9.417	42	394029	9.689	ppbV	98
41) 2,2-dichloropropane	9.000	77	340149	9.404	ppbV	100
42) 1,2-dichloroethane	9.808	62	243354	9.089	ppbV	98
44) hexane	8.892	57	437028	10.050	ppbV	92
45) diisopropyl ether	8.883	87	244725	9.606	ppbV	97
46) tert-butyl ethyl ether	9.500	59	764064	9.362	ppbV	98
48) 1,1,1-trichloroethane	10.100	97	338318	9.694	ppbV	98
49) 1,1-dichloropropene	10.467	75	415182	9.848	ppbV	97
50) benzene	10.627	78	961468	9.773	ppbV	99
52) carbon tetrachloride	10.800	117	319517	10.036	ppbV	99
53) cyclohexane	10.947	56	464932	10.071	ppbV	98
54) tert-amyl methyl ether	11.327	73	859132	9.784	ppbV	100
55) dibromomethane	11.547	93	221742	9.662	ppbV	98
56) 1,2-dichloropropane	11.580	63	341148	9.923	ppbV	99
57) bromodichloromethane	11.807	83	437781	10.399	ppbV	99
58) 1,4-dioxane	11.853	88	203126	10.507	ppbV	98
59) trichloroethene	11.860	130	354114	10.343	ppbV	98
60) 2,2,4-trimethylpentane	11.907	57	1433523	10.186	ppbV	100
61) methyl methacrylate	12.113	41	407290	11.061	ppbV	100
62) heptane	12.227	43	660474	10.474	ppbV	99
63) cis-1,3-dichloropropene	12.875	75	518520	10.504	ppbV	98
64) 4-methyl-2-pentanone	12.917	43	778619	10.470	ppbV	99
65) trans-1,3-dichloropropene	13.508	75	403655	10.739	ppbV	99
66) 1,1,2-trichloroethane	13.708	97	324899	10.121	ppbV	98
68) toluene	14.033	91	987755	10.559	ppbV	100
71) 1,3-dichloropropane	14.067	76	511139	10.117	ppbV	100

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : r330103.D
Acq On : 2 Apr 2024 1:09 PM
Operator : AIRPIANO3:BJB
Sample : CTO15-LLSTD010
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:39:20 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:24:49 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 2-hexanone	14.325	43	717136	11.408	ppbV	98
74) dibromochloromethane	14.492	129	432815	11.526	ppbV	98
75) 1,2-dibromoethane	14.742	107	494702	10.697	ppbV	100
76) butyl acetate	14.992	73	172292	10.347	ppbV	99
77) octane	15.083	85	391922	9.749	ppbV	98
78) tetrachloroethene	15.208	166	453041	10.770	ppbV	99
79) 1,1,1,2-tetrachloroethane	15.842	131	315221	10.378	ppbV	97
80) chlorobenzene	15.858	112	859820	10.653	ppbV	100
81) ethylbenzene	16.217	91	1236340	10.514	ppbV	100
83) m+p-xylene	16.375	91	2012513	21.340	ppbV	99
84) bromoform	16.442	173	430302	11.798	ppbV	98
85) styrene	16.708	104	938833	11.033	ppbV	100
86) 1,1,2,2-tetrachloroethane	16.800	83	765646	11.330	ppbV	99
87) o-xylene	16.800	91	1031114	11.034	ppbV	99
88) 1,2,3-trichloropropane	16.917	75	604178	10.194	ppbV	99
89) nonane	17.000	43	900272	10.334	ppbV	97
91) isopropylbenzene	17.317	105	1427967	10.717	ppbV	98
92) bromobenzene	17.392	77	792695	10.397	ppbV	99
93) 2-chlorotoluene	17.725	126	377865	10.130	ppbV	98
94) n-propylbenzene	17.758	120	459504	10.472	ppbV	99
95) 4-chlorotoluene	17.783	126	367248	10.116	ppbV	98
96) 4-ethyl toluene	17.875	105	1510400	10.859	ppbV	99
97) 1,3,5-trimethylbenzene	17.942	105	1342779	11.088	ppbV	99
98) tert-butylbenzene	18.283	119	1242662	10.729	ppbV	98
99) 1,2,4-trimethylbenzene	18.292	105	1312453	11.292	ppbV	91
100) decane	18.367	57	958047	10.059	ppbV	98
101) Benzyl Chloride	18.408	91	825964	11.233	ppbV	100
102) 1,3-dichlorobenzene	18.417	146	900341	11.638	ppbV	98
103) 1,4-dichlorobenzene	18.475	146	865299	11.176	ppbV	99
104) sec-butylbenzene	18.508	105	1738140	10.289	ppbV	99
106) p-isopropyltoluene	18.633	119	1431406	10.297	ppbV	100
107) 1,2-dichlorobenzene	18.758	146	832050	11.093	ppbV	99
108) n-butylbenzene	18.983	91	1291412	10.658	ppbV	99
111) 1,2-dibromo-3-chloropr...	19.125	75	340478	10.579	ppbV	98
112) undecane	19.383	57	1075545	10.301	ppbV	99
114) dodecane	20.275	57	1075343	10.509	ppbV	98
115) 1,2,4-trichlorobenzene	20.233	180	816392	12.768	ppbV	100
116) naphthalene	20.342	128	1620622	10.936	ppbV	100
117) 1,2,3-trichlorobenzene	20.592	180	649449	11.139	ppbV	97
119) hexachlorobutadiene	20.658	225	724872	12.182	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : r330103.D
Acq On : 2 Apr 2024 1:09 PM
Operator : AIRPIANO3:BJB
Sample : CTO15-LLSTD010
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:39:20 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:24:49 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\R330097.D
Sub List : Default-ICV-AP2 - All compounds listed

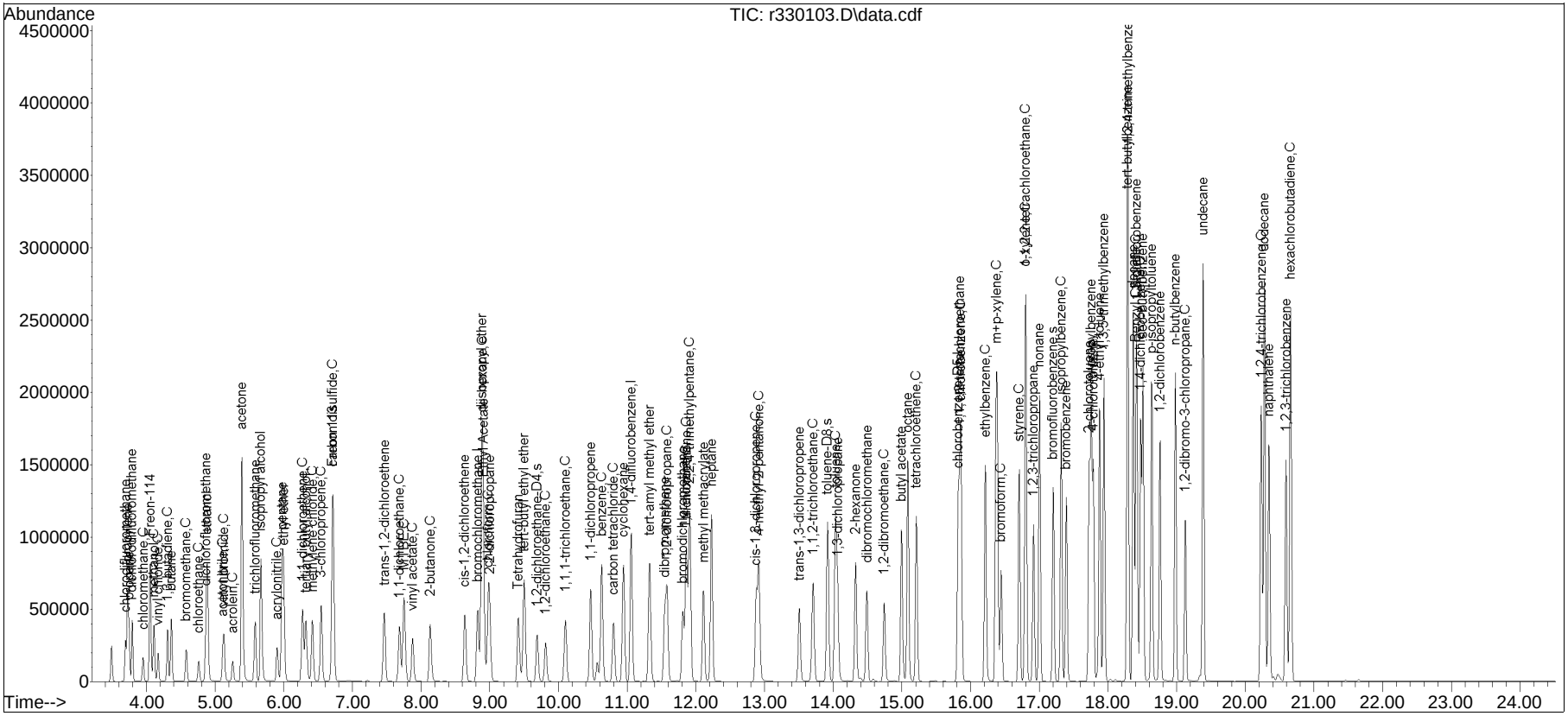
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-ICV-AP2 - All compounds listed01T_I\R330097.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\
Data File : r330103.D
Acq On : 2 Apr 2024 1:09 PM
Operator : AIRPIANO3:BJB
Sample : CTO15-LLSTD010
Misc : WG1904448
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 13:39:20 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 13:24:49 2024
Response via : Initial Calibration

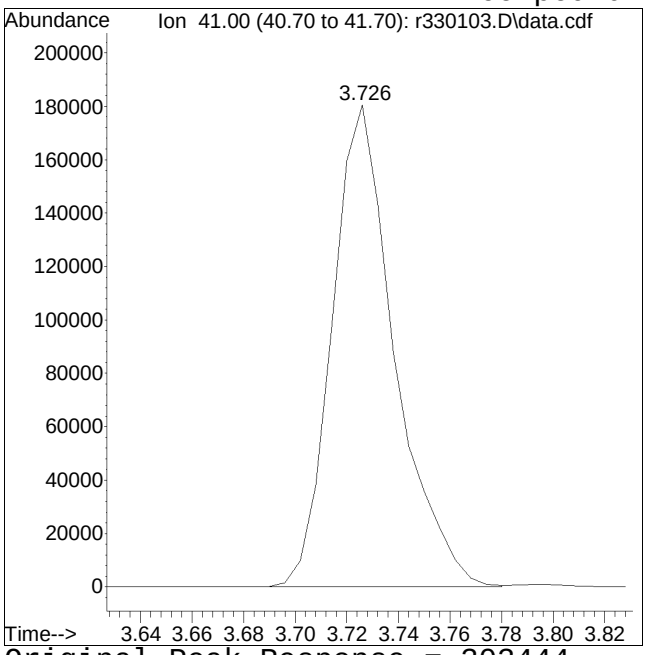


Manual Integration Report

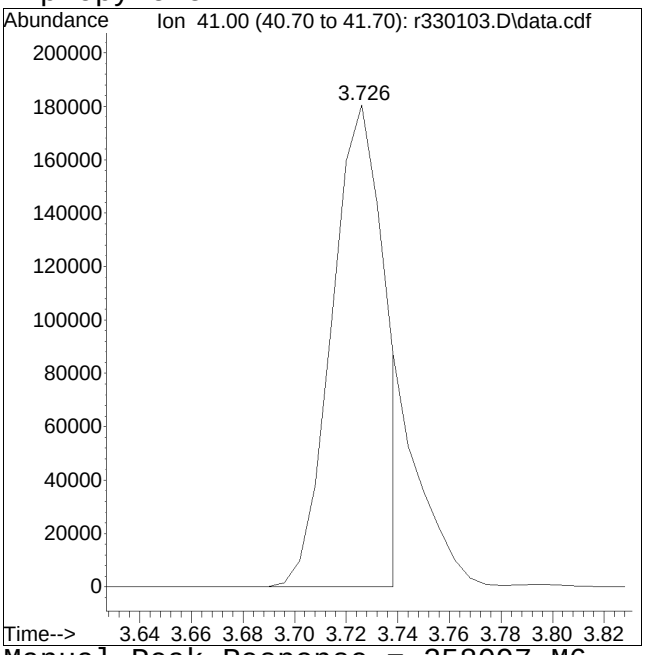
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330103.D
Date Inj'd : 4/2/2020 0:1: 9
Sample : CTO15-LLSTD010

Method : TFS3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 1:39 pm

Compound #3: propylene



Original Peak Response = 303444



Manual Peak Response = 258097 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Continuing Calibration

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Environmental Logic, LLC		**Lab Number**	: L2419731	
Project Name	: 245 W. 55TH		**Project Number**	: 23-0001	
Instrument ID	: AIRPIANO3		**Calibration Date**	: 04/23/24 13:44	
Lab File ID	: R330561		**Init. Calib. Date(s)**	: 04/02/24	04/02/24
Sample No	: WG1912266-2		**Init. Calib. Times**	: 04:58	09:46
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
bromochloromethane	1	1	-	0	30	109	0
chlorodifluoromethane	0.937	0.808	-	13.8	30	88	0
propylene	0.668	0.615	-	7.9	30	77	0
propane	0.595	0.582	-	2.2	30	92	0
dichlorodifluoromethane	1.09	0.982	-	9.9	30	80	0
chloromethane	0.545	0.389	-	28.6	30	65	0
Freon-114	1.295	1.156	-	10.7	30	78	0
methanol	0.227	0.185	-	18.5	30	79	0
vinyl chloride	0.605	0.602	-	0.5	30	89	0
1,3-butadiene	0.478	0.442	-	7.5	30	84	0
butane	1.204	0.808	-	32.9*	30	62	0
bromomethane	0.469	0.464	-	1.1	30	89	0
chloroethane	0.313	0.308	-	1.6	30	89	0
ethanol	0.342	0.32	-	6.4	30	85	0
dichlorofluoromethane	1.155	0.949	-	17.8	30	81	0
vinyl bromide	0.368	0.397	-	-7.9	30	103	0
acrolein	0.333	0.236	-	29.1	30	64	0
acetone	1.088	0.852	-	21.7	30	71	0
acetonitrile	0.557	0.37	-	33.6*	30	68	0
trichlorofluoromethane	1.108	1.162	-	-4.9	30	93	0
isopropyl alcohol	1.451	1.024	-	29.4	30	66	0
acrylonitrile	0.592	0.605	-	-2.2	30	93	0
pentane	1.789	1.31	-	26.8	30	67	0
ethyl ether	1.042	1.038	-	0.4	30	90	0
1,1-dichloroethene	1.008	0.979	-	2.9	30	89	-.01
tertiary butyl alcohol	1.441	1.497	-	-3.9	30	93	0
methylene chloride	0.801	0.765	-	4.5	30	87	0
3-chloropropene	1.266	1.049	-	17.1	30	75	0
carbon disulfide	2.491	2.022	-	18.8	30	72	-.01
Freon 113	1.309	1.329	-	-1.5	30	91	0
trans-1,2-dichloroethene	1.108	1.12	-	-1.1	30	91	0
1,1-dichloroethane	1.448	1.429	-	1.3	30	88	0
MTBE	2.17	1.876	-	13.5	30	78	0
vinyl acetate	1.832	1.243	-	32.2*	30	62	0
2-butanone	1.861	1.445	-	22.4	30	71	0
cis-1,2-dichloroethene	1.025	1.075	-	-4.9	30	93	0
Ethyl Acetate	0.279	0.303	-	-8.6	30	95	0
chloroform	1.233	1.203	-	2.4	30	87	0
Tetrahydrofuran	1.202	0.906	-	24.6	30	69	0
2,2-dichloropropane	1.069	0.894	-	16.4	30	75	0
1,2-dichloroethane	0.791	0.782	-	1.1	30	90	0
1,4-difluorobenzene	1	1	-	0	30	101	0
hexane	0.375	0.443	-	-18.1	30	99	-.02

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Environmental Logic, LLC		**Lab Number**	: L2419731	
Project Name	: 245 W. 55TH		**Project Number**	: 23-0001	
Instrument ID	: AIRPIANO3		**Calibration Date**	: 04/23/24 13:44	
Lab File ID	: R330561		**Init. Calib. Date(s)**	: 04/02/24	04/02/24
Sample No	: WG1912266-2		**Init. Calib. Times**	: 04:58	09:46
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
diisopropyl ether	0.22	0.223	-	-1.4	30	75	0
tert-butyl ethyl ether	0.704	0.765	-	-8.7	30	91	-.02
1,1,1-trichloroethane	0.301	0.336	-	-11.6	30	93	-.02
1,1-dichloropropene	0.364	0.362	-	0.5	30	76	-.01
benzene	0.849	0.74	-	12.8	30	74	-.01
carbon tetrachloride	0.275	0.281	-	-2.2	30	83	-.01
cyclohexane	0.398	0.473	-	-18.8	30	99	0
tert-amyl methyl ether	0.758	0.66	-	12.9	30	73	0
dibromomethane	0.198	0.217	-	-9.6	30	92	-.01
1,2-dichloropropane	0.297	0.308	-	-3.7	30	86	-.01
bromodichloromethane	0.363	0.391	-	-7.7	30	87	-.01
1,4-dioxane	0.167	0.188	-	-12.6	30	95	0
trichloroethene	0.295	0.328	-	-11.2	30	92	-.01
2,2,4-trimethylpentane	1.214	1.453	-	-19.7	30	102	-.01
methyl methacrylate	0.318	0.295	-	7.2	30	76	-.01
heptane	0.544	0.482	-	11.4	30	74	-.01
cis-1,3-dichloropropene	0.426	0.397	-	6.8	30	76	0
4-methyl-2-pentanone	0.642	0.564	-	12.1	30	73	-.02
trans-1,3-dichloropropene	0.324	0.312	-	3.7	30	76	0
1,1,2-trichloroethane	0.277	0.31	-	-11.9	30	92	0
chlorobenzene-D5	1	1	-	0	30	123	0
toluene	7.122	6.587	-	7.5	30	94	-.02
1,3-dichloropropane	3.847	2.753	-	28.4	30	73	0
2-hexanone	4.786	3.551	-	25.8	30	72	0
dibromochloromethane	2.859	2.816	-	1.5	30	97	0
1,2-dibromoethane	3.521	2.951	-	16.2	30	83	-.02
butyl acetate	1.268	0.889	-	29.9	30	72	0
octane	3.061	2.471	-	19.3	30	86	0
tetrachloroethene	3.203	2.872	-	10.3	30	89	0
1,1,1,2-tetrachloroethane	2.313	2.029	-	12.3	30	88	0
chlorobenzene	6.145	5.037	-	18	30	82	0
ethylbenzene	8.953	8.212	-	8.3	30	92	-.02
m+p-xylene	7.18	6.757	-	5.9	30	94	0
bromoform	2.777	2.825	-	-1.7	30	95	0
styrene	6.479	5.595	-	13.6	30	85	-.02
1,1,2,2-tetrachloroethane	5.145	4.688	-	8.9	30	89	0
o-xylene	7.115	6.69	-	6	30	94	0
1,2,3-trichloropropane	4.513	3.356	-	25.6	30	75	0
nonane	6.633	4.586	-	30.9*	30	70	0
isopropylbenzene	10.145	8.455	-	16.7	30	83	0
bromobenzene	5.805	4.458	-	23.2	30	78	0
2-chlorotoluene	2.84	2.382	-	16.1	30	85	0
n-propylbenzene	3.341	2.796	-	16.3	30	84	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Environmental Logic, LLC		**Lab Number**	: L2419731	
Project Name	: 245 W. 55TH		**Project Number**	: 23-0001	
Instrument ID	: AIRPIANO3		**Calibration Date**	: 04/23/24 13:44	
Lab File ID	: R330561		**Init. Calib. Date(s)**	: 04/02/24	04/02/24
Sample No	: WG1912266-2		**Init. Calib. Times**	: 04:58	09:46
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4-chlorotoluene	2.764	2.427	-	12.2	30	90	0
4-ethyl toluene	10.59	8.971	-	15.3	30	83	0
1,3,5-trimethylbenzene	9.221	8.102	-	12.1	30	87	0
tert-butylbenzene	8.818	7.313	-	17.1	30	81	0
1,2,4-trimethylbenzene	8.849	7.78	-	12.1	30	86	0
decane	7.252	6.585	-	9.2	30	92	0
Benzyl Chloride	5.598	5.062	-	9.6	30	83	0
1,3-dichlorobenzene	5.89	5.632	-	4.4	30	90	0
1,4-dichlorobenzene	5.895	5.357	-	9.1	30	91	0
sec-butylbenzene	12.862	10.506	-	18.3	30	82	0
p-isopropyltoluene	10.584	8.379	-	20.8	30	79	0
1,2-dichlorobenzene	5.711	5.325	-	6.8	30	92	0
n-butylbenzene	9.226	8.459	-	8.3	30	91	0
1,2-dibromo-3-chloropropan	2.451	1.872	-	23.6	30	74	0
undecane	7.95	7.294	-	8.3	30	91	0
dodecane	7.791	7.142	-	8.3	30	86	0
1,2,4-trichlorobenzene	4.868	5.205	-	-6.9	30	96	0
naphthalene	11.284	10.442	-	7.5	30	88	0
1,2,3-trichlorobenzene	4.439	4.113	-	7.3	30	89	0
hexachlorobutadiene	4.53	4.621	-	-2	30	98	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Environmental Logic, LLC		**Lab Number**	: L2419731	
Project Name	: 245 W. 55TH		**Project Number**	: 23-0001	
Instrument ID	: AIRPIANO3		**Calibration Date**	: 04/24/24 11:20	
Lab File ID	: R330584		**Init. Calib. Date(s)**	: 04/02/24	04/02/24
Sample No	: WG1912849-2		**Init. Calib. Times**	: 04:58	09:46
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
bromochloromethane	1	1	-	0	30	105	.02
chlorodifluoromethane	0.937	0.828	-	11.6	30	87	.01
propylene	0.668	0.53	-	20.7	30	65	.01
propane	0.595	0.614	-	-3.2	30	94	.02
dichlorodifluoromethane	1.09	1.085	-	0.5	30	86	.02
chloromethane	0.545	0.436	-	20	30	70	.02
Freon-114	1.295	1.177	-	9.1	30	77	.02
methanol	0.227	0.2	-	11.9	30	82	.02
vinyl chloride	0.605	0.642	-	-6.1	30	92	.02
1,3-butadiene	0.478	0.432	-	9.6	30	79	.02
butane	1.204	0.9	-	25.2	30	67	.02
bromomethane	0.469	0.488	-	-4.1	30	91	.02
chloroethane	0.313	0.316	-	-1	30	89	.02
ethanol	0.342	0.338	-	1.2	30	87	.02
dichlorofluoromethane	1.155	1.084	-	6.1	30	90	.02
vinyl bromide	0.368	0.406	-	-10.3	30	102	.02
acrolein	0.333	0.312	-	6.3	30	82	.02
acetone	1.088	0.915	-	15.9	30	74	.02
acetonitrile	0.557	0.281	-	49.6*	30	50	.02
trichlorofluoromethane	1.108	1.248	-	-12.6	30	97	.02
isopropyl alcohol	1.451	1.174	-	19.1	30	73	.02
acrylonitrile	0.592	0.618	-	-4.4	30	92	.02
pentane	1.789	1.43	-	20.1	30	71	.02
ethyl ether	1.042	1.1	-	-5.6	30	92	.02
1,1-dichloroethene	1.008	1.184	-	-17.5	30	104	.02
tertiary butyl alcohol	1.441	1.634	-	-13.4	30	98	.02
methylene chloride	0.801	0.762	-	4.9	30	84	.02
3-chloropropene	1.266	1	-	21	30	69	.02
carbon disulfide	2.491	2.199	-	11.7	30	75	.02
Freon 113	1.309	1.374	-	-5	30	92	.02
trans-1,2-dichloroethene	1.108	1.16	-	-4.7	30	91	.03
1,1-dichloroethane	1.448	1.49	-	-2.9	30	89	.02
MTBE	2.17	1.905	-	12.2	30	76	.02
vinyl acetate	1.832	1.431	-	21.9	30	70	.02
2-butanone	1.861	1.468	-	21.1	30	69	.03
cis-1,2-dichloroethene	1.025	1.113	-	-8.6	30	93	.02
Ethyl Acetate	0.279	0.297	-	-6.5	30	90	.02
chloroform	1.233	1.266	-	-2.7	30	89	.02
Tetrahydrofuran	1.202	0.927	-	22.9	30	69	.03
2,2-dichloropropane	1.069	1.002	-	6.3	30	81	.03
1,2-dichloroethane	0.791	0.853	-	-7.8	30	95	.02
1,4-difluorobenzene	1	1	-	0	30	101	.02
hexane	0.375	0.427	-	-13.9	30	95	.02

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Environmental Logic, LLC		**Lab Number**	: L2419731	
Project Name	: 245 W. 55TH		**Project Number**	: 23-0001	
Instrument ID	: AIRPIANO3		**Calibration Date**	: 04/24/24 11:20	
Lab File ID	: R330584		**Init. Calib. Date(s)**	: 04/02/24	04/02/24
Sample No	: WG1912849-2		**Init. Calib. Times**	: 04:58	09:46
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
diisopropyl ether	0.22	0.232	-	-5.5	30	78	.02
tert-butyl ethyl ether	0.704	0.815	-	-15.8	30	97	.02
1,1,1-trichloroethane	0.301	0.356	-	-18.3	30	98	.02
1,1-dichloropropene	0.364	0.332	-	8.8	30	69	.02
benzene	0.849	0.78	-	8.1	30	78	.02
carbon tetrachloride	0.275	0.29	-	-5.5	30	86	.01
cyclohexane	0.398	0.452	-	-13.6	30	95	.02
tert-amyl methyl ether	0.758	0.704	-	7.1	30	77	.02
dibromomethane	0.198	0.232	-	-17.2	30	98	.01
1,2-dichloropropane	0.297	0.316	-	-6.4	30	88	.01
bromodichloromethane	0.363	0.378	-	-4.1	30	84	.02
1,4-dioxane	0.167	0.175	-	-4.8	30	88	.02
trichloroethene	0.295	0.338	-	-14.6	30	95	.01
2,2,4-trimethylpentane	1.214	1.399	-	-15.2	30	98	.01
methyl methacrylate	0.318	0.287	-	9.7	30	74	.01
heptane	0.544	0.466	-	14.3	30	72	.01
cis-1,3-dichloropropene	0.426	0.402	-	5.6	30	76	.02
4-methyl-2-pentanone	0.642	0.539	-	16	30	70	0
trans-1,3-dichloropropene	0.324	0.319	-	1.5	30	77	.02
1,1,2-trichloroethane	0.277	0.316	-	-14.1	30	94	.02
chlorobenzene-D5	1	1	-	0	30	122	0
toluene	7.122	6.717	-	5.7	30	95	0
1,3-dichloropropane	3.847	2.99	-	22.3	30	79	.02
2-hexanone	4.786	3.448	-	28	30	70	0
dibromochloromethane	2.859	2.713	-	5.1	30	93	.02
1,2-dibromoethane	3.521	3.098	-	12	30	87	0
butyl acetate	1.268	0.962	-	24.1	30	77	0
octane	3.061	2.625	-	14.2	30	91	0
tetrachloroethene	3.203	2.951	-	7.9	30	91	0
1,1,1,2-tetrachloroethane	2.313	2.197	-	5	30	95	0
chlorobenzene	6.145	5.235	-	14.8	30	85	0
ethylbenzene	8.953	8.515	-	4.9	30	95	0
m+p-xylene	7.18	6.871	-	4.3	30	95	.02
bromoform	2.777	2.713	-	2.3	30	91	0
styrene	6.479	5.732	-	11.5	30	86	0
1,1,2,2-tetrachloroethane	5.145	4.669	-	9.3	30	88	0
o-xylene	7.115	6.814	-	4.2	30	95	0
1,2,3-trichloropropane	4.513	3.651	-	19.1	30	81	0
nonane	6.633	4.937	-	25.6	30	75	.02
isopropylbenzene	10.145	8.855	-	12.7	30	87	0
bromobenzene	5.805	4.795	-	17.4	30	83	0
2-chlorotoluene	2.84	2.631	-	7.4	30	93	0
n-propylbenzene	3.341	3.023	-	9.5	30	91	.02

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Instrument ID	: AIRPIANO3	**Calibration Date**	: 04/24/24 11:20
Lab File ID	: R330584	**Init. Calib. Date(s)**	: 04/02/24 04/02/24
Sample No	: WG1912849-2	**Init. Calib. Times**	: 04:58 09:46
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4-chlorotoluene	2.764	2.592	-	6.2	30	96	0
4-ethyl toluene	10.59	9.029	-	14.7	30	84	.02
1,3,5-trimethylbenzene	9.221	8.109	-	12.1	30	87	0
tert-butylbenzene	8.818	7.95	-	9.8	30	88	0
1,2,4-trimethylbenzene	8.849	7.779	-	12.1	30	86	.02
decane	7.252	6.998	-	3.5	30	97	0
Benzyl Chloride	5.598	5.028	-	10.2	30	82	0
1,3-dichlorobenzene	5.89	5.537	-	6	30	88	0
1,4-dichlorobenzene	5.895	5.399	-	8.4	30	91	0
sec-butylbenzene	12.862	11.281	-	12.3	30	88	0
p-isopropyltoluene	10.584	9.467	-	10.6	30	88	0
1,2-dichlorobenzene	5.711	5.203	-	8.9	30	89	0
n-butylbenzene	9.226	8.81	-	4.5	30	95	0
1,2-dibromo-3-chloropropan	2.451	2.005	-	18.2	30	79	0
undecane	7.95	7.731	-	2.8	30	96	0
dodecane	7.791	7.814	-	-0.3	30	93	.02
1,2,4-trichlorobenzene	4.868	4.554	-	6.5	30	84	0
naphthalene	11.284	10.73	-	4.9	30	90	.02
1,2,3-trichlorobenzene	4.439	4.348	-	2.1	30	93	0
hexachlorobutadiene	4.53	4.103	-	9.4	30	87	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330561.D
Acq On : 23 Apr 2024 1:44 PM
Operator : AIRPIANO3:JMB
Sample : WG1912266-2,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 23 14:50:45 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	bromochloromethane	1.000	1.000	0.0	109	0.00
2		chlorodifluoromethane	0.937	0.808	13.8	88	0.00
3		propylene	0.668	0.615	7.9	77	0.00
4		propane	0.595	0.582	2.2	92	0.00
5		dichlorodifluoromethane	1.090	0.982	9.9	80	0.00
6	C	chloromethane	0.545	0.389	28.6	65	0.00
7		Freon-114	1.295	1.156	10.7	78	0.00
8	C	methanol	0.227	0.185	18.5	79	0.00
9	C	vinyl chloride	0.605	0.602	0.5	89	0.00
10	C	1,3-butadiene	0.478	0.442	7.5	84	0.00
11		butane	1.204	0.808	32.9#	62	0.00
13	C	bromomethane	0.469	0.464	1.1	89	0.00
14	C	chloroethane	0.313	0.308	1.6	89	0.00
15		ethanol	0.342	0.320	6.4	85	0.00
16		dichlorofluoromethane	1.155	0.949	17.8	81	0.00
17	C	vinyl bromide	0.368	0.397	-7.9	103	0.00
18	C	acrolein	0.333	0.236	29.1	64	0.00
19		acetone	1.088	0.852	21.7	71	0.00
20	C	acetonitrile	0.557	0.370	33.6#	68	0.00
21		trichlorofluoromethane	1.108	1.162	-4.9	93	0.00
22		isopropyl alcohol	1.451	1.024	29.4	66	0.00
23	C	acrylonitrile	0.592	0.605	-2.2	93	0.00
24		pentane	1.789	1.310	26.8	67	0.00
25		ethyl ether	1.042	1.038	0.4	90	0.00
26	C	1,1-dichloroethene	1.008	0.979	2.9	89	-0.01
27		tertiary butyl alcohol	1.441	1.497	-3.9	93	0.00
28	C	methylene chloride	0.801	0.765	4.5	87	0.00
29	C	3-chloropropene	1.266	1.049	17.1	75	0.00
30	C	carbon disulfide	2.491	2.022	18.8	72	-0.01
31		Freon 113	1.309	1.329	-1.5	91	0.00
32		trans-1,2-dichloroethene	1.108	1.120	-1.1	91	0.00
33	C	1,1-dichloroethane	1.448	1.429	1.3	88	0.00
34	C	MTBE	2.170	1.876	13.5	78	0.00
35	C	vinyl acetate	1.832	1.243	32.2#	62	0.00
36	C	2-butanone	1.861	1.445	22.4	71	0.00
37		cis-1,2-dichloroethene	1.025	1.075	-4.9	93	0.00
38		Ethyl Acetate	0.279	0.303	-8.6	95	0.00
39	C	chloroform	1.233	1.203	2.4	87	0.00
40		Tetrahydrofuran	1.202	0.906	24.6	69	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330561.D
Acq On : 23 Apr 2024 1:44 PM
Operator : AIRPIANO3:JMB
Sample : WG1912266-2,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 23 14:50:45 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41		2,2-dichloropropane	1.069	0.894	16.4	75	0.00
42	C	1,2-dichloroethane	0.791	0.782	1.1	90	0.00
43	I	1,4-difluorobenzene	1.000	1.000	0.0	101	0.00
44	C	hexane	0.375	0.443	-18.1	99	-0.02
45		diisopropyl ether	0.220	0.223	-1.4	75	0.00
46		tert-butyl ethyl ether	0.704	0.765	-8.7	91	-0.02
48	C	1,1,1-trichloroethane	0.301	0.336	-11.6	93	-0.02
49		1,1-dichloropropene	0.364	0.362	0.5	76	-0.01
50	C	benzene	0.849	0.740	12.8	74	-0.01
52	C	carbon tetrachloride	0.275	0.281	-2.2	83	-0.01
53		cyclohexane	0.398	0.473	-18.8	99	0.00
54		tert-amyl methyl ether	0.758	0.660	12.9	73	0.00
55		dibromomethane	0.198	0.217	-9.6	92	-0.01
56	C	1,2-dichloropropane	0.297	0.308	-3.7	86	-0.01
57		bromodichloromethane	0.363	0.391	-7.7	87	-0.01
58	C	1,4-dioxane	0.167	0.188	-12.6	95	0.00
59	C	trichloroethene	0.295	0.328	-11.2	92	-0.01
60	C	2,2,4-trimethylpentane	1.214	1.453	-19.7	102	-0.01
61		methyl methacrylate	0.318	0.295	7.2	76	-0.01
62		heptane	0.544	0.482	11.4	74	-0.01
63	C	cis-1,3-dichloropropene	0.426	0.397	6.8	76	0.00
64	C	4-methyl-2-pentanone	0.642	0.564	12.1	73	-0.02
65		trans-1,3-dichloropropene	0.324	0.312	3.7	76	0.00
66	C	1,1,2-trichloroethane	0.277	0.310	-11.9	92	0.00
67	I	chlorobenzene-D5	1.000	1.000	0.0	123	0.00
68	C	toluene	7.122	6.587	7.5	94	-0.02
71		1,3-dichloropropane	3.847	2.753	28.4	73	0.00
72		2-hexanone	4.786	3.551	25.8	72	0.00
74		dibromochloromethane	2.859	2.816	1.5	97	0.00
75	C	1,2-dibromoethane	3.521	2.951	16.2	83	-0.02
76		butyl acetate	1.268	0.889	29.9	72	0.00
77		octane	3.061	2.471	19.3	86	0.00
78	C	tetrachloroethene	3.203	2.872	10.3	89	0.00
79		1,1,1,2-tetrachloroethane	2.313	2.029	12.3	88	0.00
80	C	chlorobenzene	6.145	5.037	18.0	82	0.00
81	C	ethylbenzene	8.953	8.212	8.3	92	-0.02
83	C	m+p-xylene	7.180	6.757	5.9	94	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330561.D
Acq On : 23 Apr 2024 1:44 PM
Operator : AIRPIANO3:JMB
Sample : WG1912266-2,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 23 14:50:45 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
84	C	bromoform	2.777	2.825	-1.7	95	0.00
85	C	styrene	6.479	5.595	13.6	85	-0.02
86	C	1,1,2,2-tetrachloroethane	5.145	4.688	8.9	89	0.00
87	C	o-xylene	7.115	6.690	6.0	94	0.00
88		1,2,3-trichloropropane	4.513	3.356	25.6	75	0.00
89		nonane	6.633	4.586	30.9#	70	0.00
91	C	isopropylbenzene	10.145	8.455	16.7	83	0.00
92		bromobenzene	5.805	4.458	23.2	78	0.00
93		2-chlorotoluene	2.840	2.382	16.1	85	0.00
94		n-propylbenzene	3.341	2.796	16.3	84	0.00
95		4-chlorotoluene	2.764	2.427	12.2	90	0.00
96		4-ethyl toluene	10.590	8.971	15.3	83	0.00
97		1,3,5-trimethylbenzene	9.221	8.102	12.1	87	0.00
98		tert-butylbenzene	8.818	7.313	17.1	81	0.00
99		1,2,4-trimethylbenzene	8.849	7.780	12.1	86	0.00
100		decane	7.252	6.585	9.2	92	0.00
101	C	Benzyl Chloride	5.598	5.062	9.6	83	0.00
102		1,3-dichlorobenzene	5.890	5.632	4.4	90	0.00
103	C	1,4-dichlorobenzene	5.895	5.357	9.1	91	0.00
104		sec-butylbenzene	12.862	10.506	18.3	82	0.00
106		p-isopropyltoluene	10.584	8.379	20.8	79	0.00
107		1,2-dichlorobenzene	5.711	5.325	6.8	92	0.00
108		n-butylbenzene	9.226	8.459	8.3	91	0.00
111	C	1,2-dibromo-3-chloropropane	2.451	1.872	23.6	74	0.00
112		undecane	7.950	7.294	8.3	91	0.00
114		dodecane	7.791	7.142	8.3	86	0.00
115	C	1,2,4-trichlorobenzene	4.868	5.205	-6.9	96	0.00
116		naphthalene	11.284	10.442	7.5	88	0.00
117		1,2,3-trichlorobenzene	4.439	4.113	7.3	89	0.00
119	C	hexachlorobutadiene	4.530	4.621	-2.0	98	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 2

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330561.D
Acq On : 23 Apr 2024 1:44 PM
Operator : AIRPIANO3:JMB
Sample : WG1912266-2,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 23 14:50:45 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423T\r330561.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	8.808	49	361003	10.000	ppbV		0.00
Standard Area = 361003			Recovery = 100.00%				
43) 1,4-difluorobenzene	11.047	114	1163384	10.000	ppbV		0.00
Standard Area = 1163384			Recovery = 100.00%				
67) chlorobenzene-D5	15.808	54	169079	10.000	ppbV		0.00
Standard Area = 169079			Recovery = 100.00%				
System Monitoring Compounds							
Target Compounds							Qvalue
2) chlorodifluoromethane	3.690	51	291859	8.625	ppbV		98
3) propylene	3.720	41	221941M6	9.199	ppbV		
4) propane	3.744	29	210228	9.789	ppbV	#	81
5) dichlorodifluoromethane	3.792	85	354353	9.005	ppbV		99
6) chloromethane	3.948	50	140432	7.140	ppbV		95
7) Freon-114	4.050	85	417265	8.924	ppbV		92
8) methanol	4.104	31	333775	40.742	ppbV		98
9) vinyl chloride	4.164	62	217470	9.955	ppbV		99
10) 1,3-butadiene	4.302	54	159586	9.251	ppbV		88
11) butane	4.356	43	291549	6.707	ppbV	#	95
13) bromomethane	4.572	94	167341	9.886	ppbV		96
14) chloroethane	4.752	64	111034	9.836	ppbV		100
15) ethanol	4.878	31	577781	46.789	ppbV	#	76
16) dichlorofluoromethane	4.860	67	342656	8.221	ppbV	#	98
17) vinyl bromide	5.124	106	143252	10.784	ppbV		98
18) acrolein	5.247	56	85167	7.091	ppbV	#	95
19) acetone	5.383	43	1537794	39.140	ppbV	#	76
20) acetonitrile	5.106	41	133651	6.641	ppbV		98
21) trichlorofluoromethane	5.573	101	419502	10.484	ppbV		98
22) isopropyl alcohol	5.660	45	924237	17.646	ppbV	#	96
23) acrylonitrile	5.893	53	218389	10.223	ppbV		97
24) pentane	5.967	43	472794	7.321	ppbV	#	92
25) ethyl ether	5.990	31	374706	9.963	ppbV	#	91
26) 1,1-dichloroethene	6.262	61	353260	9.704	ppbV		97
27) tertiary butyl alcohol	6.310	59	540364	10.388	ppbV	#	90
28) methylene chloride	6.406	49	276085	9.553	ppbV		100
29) 3-chloropropene	6.538	41	378812	8.290	ppbV		97
30) carbon disulfide	6.700	76	729887	8.117	ppbV		98
31) Freon 113	6.706	101	479621	10.150	ppbV		97

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330561.D
Acq On : 23 Apr 2024 1:44 PM
Operator : AIRPIANO3:JMB
Sample : WG1912266-2,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 23 14:50:45 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423T\r330561.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
32) trans-1,2-dichloroethene	7.450	61	404198	10.104	ppbV		99
33) 1,1-dichloroethane	7.675	63	515787	9.869	ppbV		98
34) MTBE	7.742	73	677350	8.647	ppbV	#	93
35) vinyl acetate	7.867	43	448575	6.782	ppbV	#	93
36) 2-butanone	8.117	43	521604	7.763	ppbV	#	96
37) cis-1,2-dichloroethene	8.625	61	387979	10.485	ppbV		99
38) Ethyl Acetate	8.900	61	109469	10.880	ppbV	#	42
39) chloroform	8.967	83	434436	9.763	ppbV		96
40) Tetrahydrofuran	9.400	42	326942	7.537	ppbV		95
41) 2,2-dichloropropane	8.983	77	322797	8.367	ppbV		94
42) 1,2-dichloroethane	9.800	62	282214	9.882	ppbV		98
44) hexane	8.875	57	515394	11.809	ppbV	#	49
45) diisopropyl ether	8.875	87	258938	10.128	ppbV		69
46) tert-butyl ethyl ether	9.483	59	890512	10.872	ppbV		99
48) 1,1,1-trichloroethane	10.083	97	391368	11.174	ppbV		98
49) 1,1-dichloropropene	10.453	75	420999	9.950	ppbV		95
50) benzene	10.613	78	860777	8.718	ppbV	#	92
52) carbon tetrachloride	10.787	117	326595	10.222	ppbV		100
53) cyclohexane	10.933	56	550471	11.881	ppbV	#	85
54) tert-amyl methyl ether	11.313	73	767267	8.706	ppbV	#	95
55) dibromomethane	11.533	93	252716	10.972	ppbV		98
56) 1,2-dichloropropane	11.567	63	357864	10.372	ppbV		96
57) bromodichloromethane	11.793	83	454872	10.766	ppbV		97
58) 1,4-dioxane	11.840	88	219124	11.293	ppbV		94
59) trichloroethene	11.847	130	381513	11.103	ppbV		99
60) 2,2,4-trimethylpentane	11.893	57	1690662	11.969	ppbV	#	89
61) methyl methacrylate	12.093	41	343085	9.284	ppbV	#	89
62) heptane	12.213	43	560967	8.863	ppbV	#	80
63) cis-1,3-dichloropropene	12.867	75	462064	9.327	ppbV		99
64) 4-methyl-2-pentanone	12.900	43	656205	8.792	ppbV	#	81
65) trans-1,3-dichloropropene	13.492	75	363484	9.635	ppbV		98
66) 1,1,2-trichloroethane	13.692	97	361025	11.206	ppbV		96
68) toluene	14.017	91	1113768	9.249	ppbV		99
71) 1,3-dichloropropane	14.050	76	465504	7.158	ppbV		96
72) 2-hexanone	14.317	43	600402	7.419	ppbV	#	78
74) dibromochloromethane	14.475	129	476134	9.849	ppbV		99
75) 1,2-dibromoethane	14.725	107	498979	8.381	ppbV		99
76) butyl acetate	14.983	73	150272	7.010	ppbV	#	82
77) octane	15.075	85	417790	8.073	ppbV		79
78) tetrachloroethene	15.200	166	485605	8.968	ppbV		97

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330561.D
Acq On : 23 Apr 2024 1:44 PM
Operator : AIRPIANO3:JMB
Sample : WG1912266-2,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 23 14:50:45 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423T\r330561.D
Sub List : Default-LCS-AP2 - All compounds listed

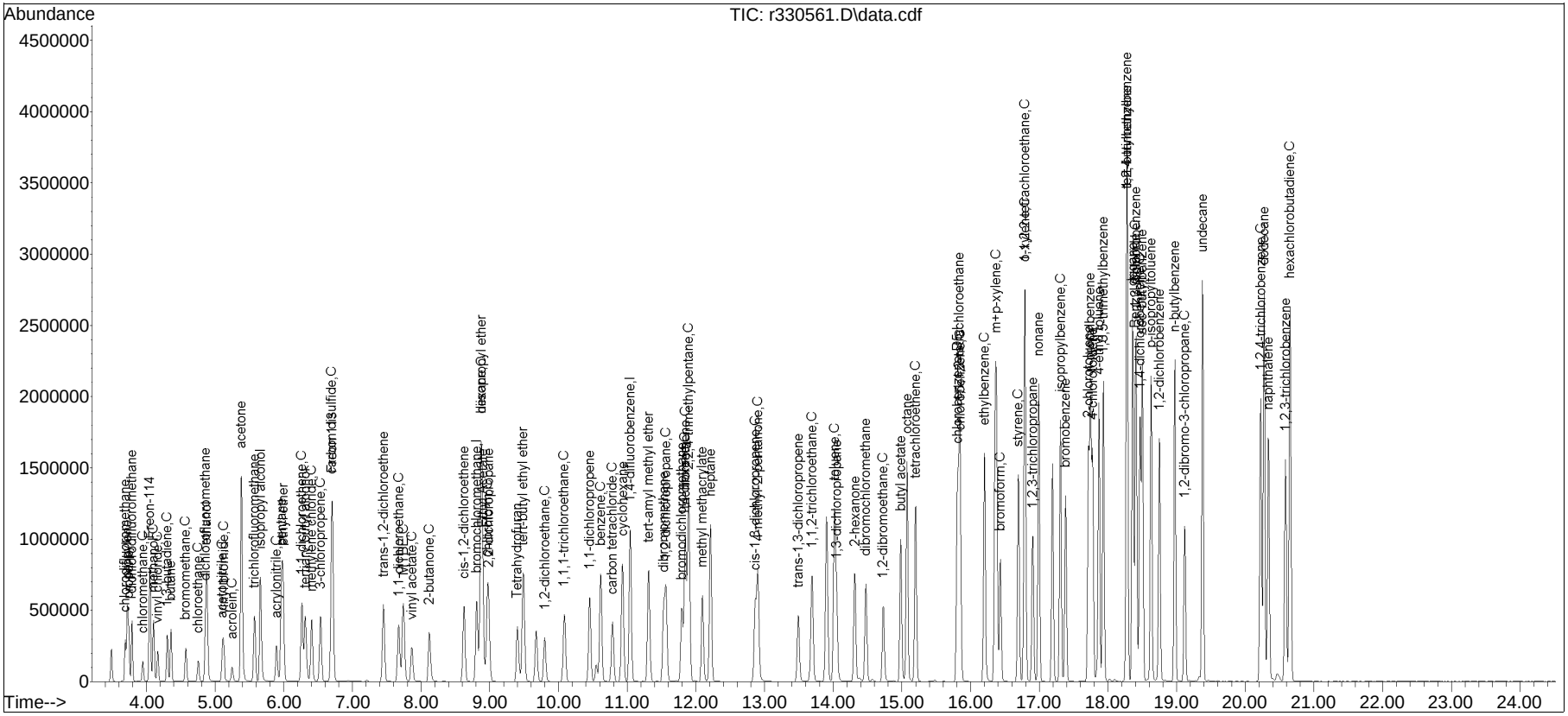
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
79) 1,1,1,2-tetrachloroethane	15.833	131	343099	8.774	ppbV		100
80) chlorobenzene	15.850	112	851710	8.197	ppbV		98
81) ethylbenzene	16.200	91	1388415	9.172	ppbV		93
83) m+p-xylene	16.367	91	2284965	18.821	ppbV		92
84) bromoform	16.433	173	477675	10.174	ppbV		99
85) styrene	16.692	104	945971	8.635	ppbV		99
86) 1,1,2,2-tetrachloroethane	16.792	83	792625	9.111	ppbV		98
87) o-xylene	16.792	91	1131125	9.403	ppbV		92
88) 1,2,3-trichloropropane	16.908	75	567385	7.436	ppbV		97
89) nonane	16.992	43	775326	6.913	ppbV	#	72
91) isopropylbenzene	17.308	105	1429496	8.334	ppbV		97
92) bromobenzene	17.383	77	753701	7.679	ppbV		92
93) 2-chlorotoluene	17.717	126	402712	8.386	ppbV		93
94) n-propylbenzene	17.742	120	472675	8.368	ppbV		90
95) 4-chlorotoluene	17.775	126	410311	8.779	ppbV		95
96) 4-ethyl toluene	17.867	105	1516892	8.472	ppbV		97
97) 1,3,5-trimethylbenzene	17.933	105	1369896	8.787	ppbV		99
98) tert-butylbenzene	18.275	119	1236451	8.293	ppbV		98
99) 1,2,4-trimethylbenzene	18.275	105	1315424	8.792	ppbV		98
100) decane	18.358	57	1113371	9.080	ppbV	#	78
101) Benzyl Chloride	18.400	91	855835	9.042	ppbV		100
102) 1,3-dichlorobenzene	18.408	146	952185	9.561	ppbV		96
103) 1,4-dichlorobenzene	18.467	146	905769	9.087	ppbV		96
104) sec-butylbenzene	18.500	105	1776344	8.168	ppbV		97
106) p-isopropyltoluene	18.625	119	1416664	7.916	ppbV		96
107) 1,2-dichlorobenzene	18.750	146	900350	9.324	ppbV		93
108) n-butylbenzene	18.975	91	1430157	9.169	ppbV		100
111) 1,2-dibromo-3-chloropr...	19.117	75	316538	7.640	ppbV		87
112) undecane	19.375	57	1233266	9.175	ppbV	#	81
114) dodecane	20.275	57	1207617	9.167	ppbV	#	79
115) 1,2,4-trichlorobenzene	20.225	180	880077	10.692	ppbV		98
116) naphthalene	20.333	128	1765582	9.254	ppbV		99
117) 1,2,3-trichlorobenzene	20.583	180	695446	9.266	ppbV		97
119) hexachlorobutadiene	20.650	225	781305	10.200	ppbV		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-LCS-AP2 - All compounds listed23T\r330561.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330561.D
Acq On : 23 Apr 2024 1:44 PM
Operator : AIRPIANO3:JMB
Sample : WG1912266-2,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 23 14:50:45 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

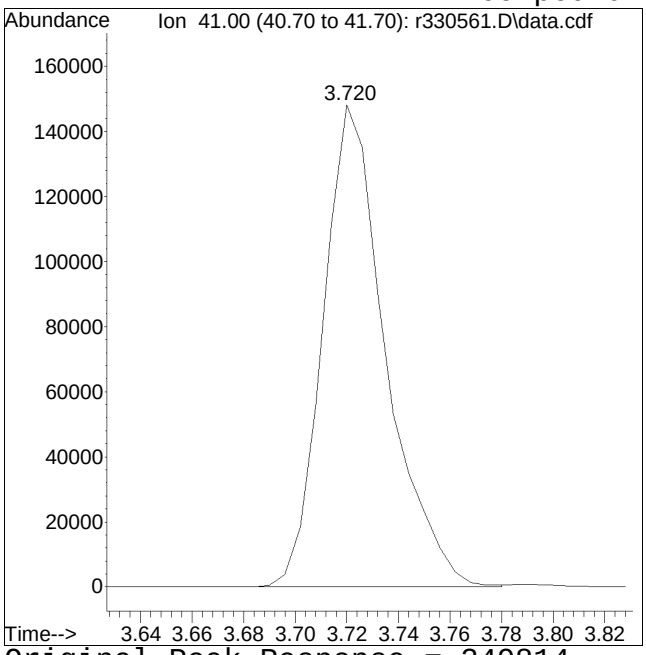


Manual Integration Report

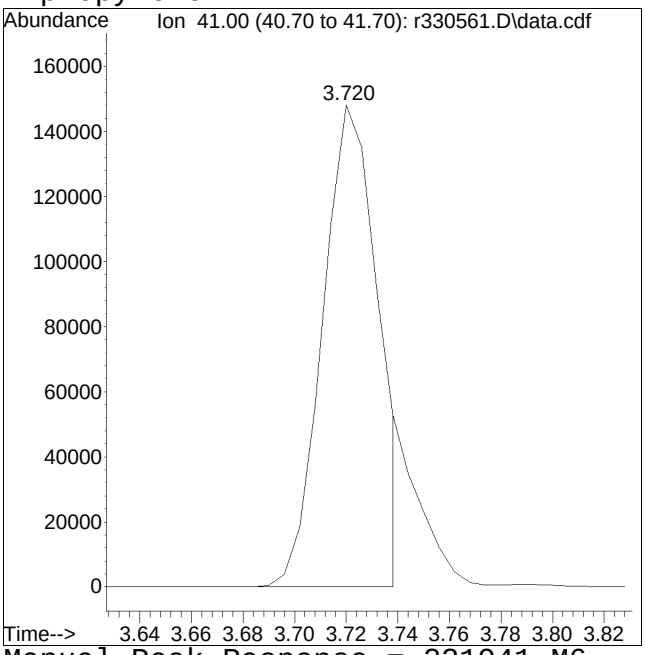
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330561.D
Date Inj'd : 4/23/2020 0:1: 4
Sample : WG1912266-2,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/23/2024 2:50 pm

Compound #3: propylene



Original Peak Response = 249814



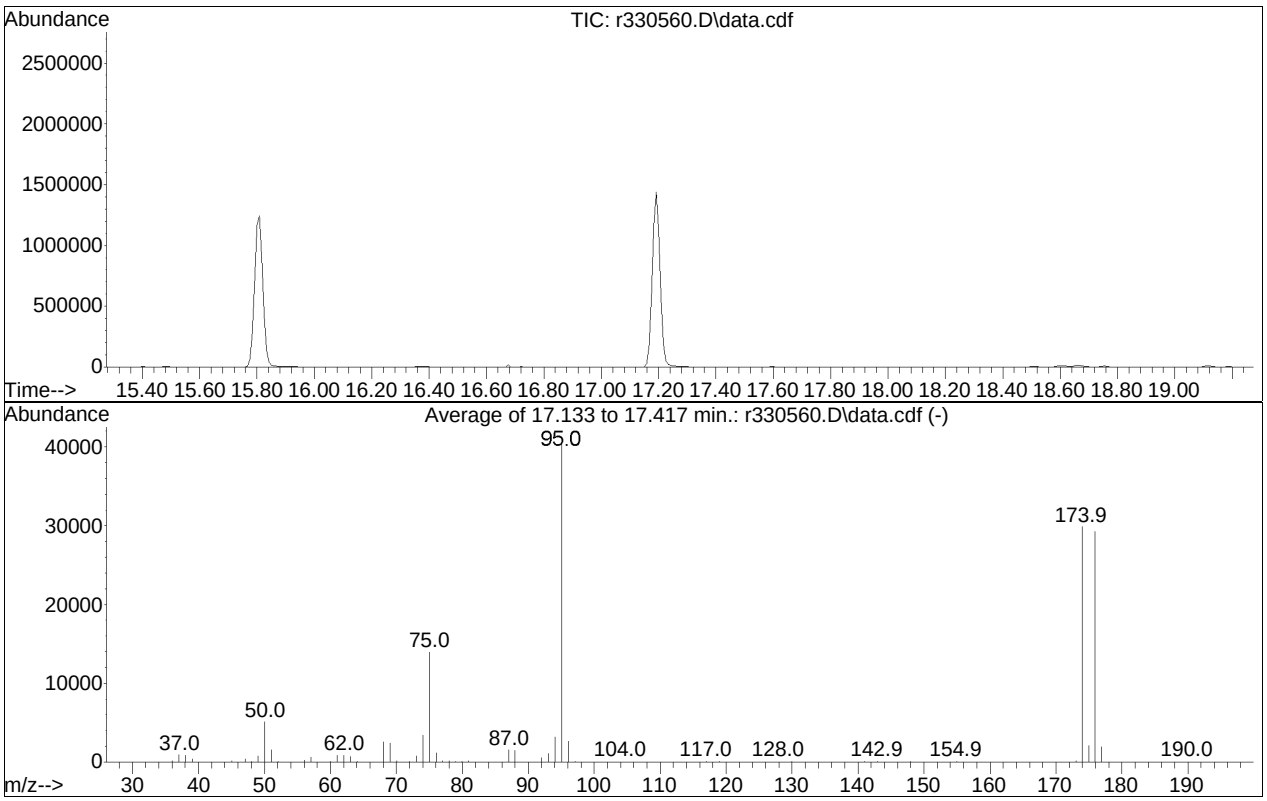
Manual Peak Response = 221941 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330560.D
Acq On : 23 Apr 2024 1:01 PM
Operator : AIRPIANO3:JMB
Sample : WG1912266-1,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Integration File: rteint.p

Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Wed Apr 03 14:05:38 2024



Spectrum Information: Average of 17.133 to 17.417 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	12.5	5087	PASS
75	95	30	66	34.4	13954	PASS
95	95	100	100	100.0	40547	PASS
96	95	5	9	6.6	2672	PASS
173	174	0.00	2	0.6	181	PASS
174	95	50	120	73.8	29908	PASS
175	174	4	9	7.1	2135	PASS
176	174	93	101	98.1	29327	PASS
177	176	5	9	6.6	1941	PASS

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330584.D
Acq On : 24 Apr 2024 11:20 AM
Operator : AIRPIANO3:KJD
Sample : WG1912849-2,3,250,250,,
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 14:18:09 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	bromochloromethane	1.000	1.000	0.0	105	0.02
2		chlorodifluoromethane	0.937	0.828	11.6	87	0.01
3		propylene	0.668	0.530	20.7	65	0.01
4		propane	0.595	0.614	-3.2	94	0.02
5		dichlorodifluoromethane	1.090	1.085	0.5	86	0.02
6	C	chloromethane	0.545	0.436	20.0	70	0.02
7		Freon-114	1.295	1.177	9.1	77	0.02
8	C	methanol	0.227	0.200	11.9	82	0.02
9	C	vinyl chloride	0.605	0.642	-6.1	92	0.02
10	C	1,3-butadiene	0.478	0.432	9.6	79	0.02
11		butane	1.204	0.900	25.2	67	0.02
13	C	bromomethane	0.469	0.488	-4.1	91	0.02
14	C	chloroethane	0.313	0.316	-1.0	89	0.02
15		ethanol	0.342	0.338	1.2	87	0.02
16		dichlorofluoromethane	1.155	1.084	6.1	90	0.02
17	C	vinyl bromide	0.368	0.406	-10.3	102	0.02
18	C	acrolein	0.333	0.312	6.3	82	0.02
19		acetone	1.088	0.915	15.9	74	0.02
20	C	acetonitrile	0.557	0.281	49.6#	50#	0.02
21		trichlorofluoromethane	1.108	1.248	-12.6	97	0.02
22		isopropyl alcohol	1.451	1.174	19.1	73	0.02
23	C	acrylonitrile	0.592	0.618	-4.4	92	0.02
24		pentane	1.789	1.430	20.1	71	0.02
25		ethyl ether	1.042	1.100	-5.6	92	0.02
26	C	1,1-dichloroethene	1.008	1.184	-17.5	104	0.02
27		tertiary butyl alcohol	1.441	1.634	-13.4	98	0.02
28	C	methylene chloride	0.801	0.762	4.9	84	0.02
29	C	3-chloropropene	1.266	1.000	21.0	69	0.02
30	C	carbon disulfide	2.491	2.199	11.7	75	0.02
31		Freon 113	1.309	1.374	-5.0	92	0.02
32		trans-1,2-dichloroethene	1.108	1.160	-4.7	91	0.03
33	C	1,1-dichloroethane	1.448	1.490	-2.9	89	0.02
34	C	MTBE	2.170	1.905	12.2	76	0.02
35	C	vinyl acetate	1.832	1.431	21.9	70	0.02
36	C	2-butanone	1.861	1.468	21.1	69	0.03
37		cis-1,2-dichloroethene	1.025	1.113	-8.6	93	0.02
38		Ethyl Acetate	0.279	0.297	-6.5	90	0.02
39	C	chloroform	1.233	1.266	-2.7	89	0.02
40		Tetrahydrofuran	1.202	0.927	22.9	69	0.03

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330584.D
Acq On : 24 Apr 2024 11:20 AM
Operator : AIRPIANO3:KJD
Sample : WG1912849-2,3,250,250,,
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 14:18:09 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41		2,2-dichloropropane	1.069	1.002	6.3	81	0.03
42	C	1,2-dichloroethane	0.791	0.853	-7.8	95	0.02
43	I	1,4-difluorobenzene	1.000	1.000	0.0	101	0.02
44	C	hexane	0.375	0.427	-13.9	95	0.02
45		diisopropyl ether	0.220	0.232	-5.5	78	0.02
46		tert-butyl ethyl ether	0.704	0.815	-15.8	97	0.02
48	C	1,1,1-trichloroethane	0.301	0.356	-18.3	98	0.02
49		1,1-dichloropropene	0.364	0.332	8.8	69	0.02
50	C	benzene	0.849	0.780	8.1	78	0.02
52	C	carbon tetrachloride	0.275	0.290	-5.5	86	0.01
53		cyclohexane	0.398	0.452	-13.6	95	0.02
54		tert-amyl methyl ether	0.758	0.704	7.1	77	0.02
55		dibromomethane	0.198	0.232	-17.2	98	0.01
56	C	1,2-dichloropropane	0.297	0.316	-6.4	88	0.01
57		bromodichloromethane	0.363	0.378	-4.1	84	0.02
58	C	1,4-dioxane	0.167	0.175	-4.8	88	0.02
59	C	trichloroethene	0.295	0.338	-14.6	95	0.01
60	C	2,2,4-trimethylpentane	1.214	1.399	-15.2	98	0.01
61		methyl methacrylate	0.318	0.287	9.7	74	0.01
62		heptane	0.544	0.466	14.3	72	0.01
63	C	cis-1,3-dichloropropene	0.426	0.402	5.6	76	0.02
64	C	4-methyl-2-pentanone	0.642	0.539	16.0	70	0.00
65		trans-1,3-dichloropropene	0.324	0.319	1.5	77	0.02
66	C	1,1,2-trichloroethane	0.277	0.316	-14.1	94	0.02
67	I	chlorobenzene-D5	1.000	1.000	0.0	122	0.00
68	C	toluene	7.122	6.717	5.7	95	0.00
71		1,3-dichloropropane	3.847	2.990	22.3	79	0.02
72		2-hexanone	4.786	3.448	28.0	70	0.00
74		dibromochloromethane	2.859	2.713	5.1	93	0.02
75	C	1,2-dibromoethane	3.521	3.098	12.0	87	0.00
76		butyl acetate	1.268	0.962	24.1	77	0.00
77		octane	3.061	2.625	14.2	91	0.00
78	C	tetrachloroethene	3.203	2.951	7.9	91	0.00
79		1,1,1,2-tetrachloroethane	2.313	2.197	5.0	95	0.00
80	C	chlorobenzene	6.145	5.235	14.8	85	0.00
81	C	ethylbenzene	8.953	8.515	4.9	95	0.00
83	C	m+p-xylene	7.180	6.871	4.3	95	0.02

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330584.D
Acq On : 24 Apr 2024 11:20 AM
Operator : AIRPIANO3:KJD
Sample : WG1912849-2,3,250,250,,
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 14:18:09 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
84	C	bromoform	2.777	2.713	2.3	91	0.00
85	C	styrene	6.479	5.732	11.5	86	0.00
86	C	1,1,2,2-tetrachloroethane	5.145	4.669	9.3	88	0.00
87	C	o-xylene	7.115	6.814	4.2	95	0.00
88		1,2,3-trichloropropane	4.513	3.651	19.1	81	0.00
89		nonane	6.633	4.937	25.6	75	0.02
91	C	isopropylbenzene	10.145	8.855	12.7	87	0.00
92		bromobenzene	5.805	4.795	17.4	83	0.00
93		2-chlorotoluene	2.840	2.631	7.4	93	0.00
94		n-propylbenzene	3.341	3.023	9.5	91	0.02
95		4-chlorotoluene	2.764	2.592	6.2	96	0.00
96		4-ethyl toluene	10.590	9.029	14.7	84	0.02
97		1,3,5-trimethylbenzene	9.221	8.109	12.1	87	0.00
98		tert-butylbenzene	8.818	7.950	9.8	88	0.00
99		1,2,4-trimethylbenzene	8.849	7.779	12.1	86	0.02
100		decane	7.252	6.998	3.5	97	0.00
101	C	Benzyl Chloride	5.598	5.028	10.2	82	0.00
102		1,3-dichlorobenzene	5.890	5.537	6.0	88	0.00
103	C	1,4-dichlorobenzene	5.895	5.399	8.4	91	0.00
104		sec-butylbenzene	12.862	11.281	12.3	88	0.00
106		p-isopropyltoluene	10.584	9.467	10.6	88	0.00
107		1,2-dichlorobenzene	5.711	5.203	8.9	89	0.00
108		n-butylbenzene	9.226	8.810	4.5	95	0.00
111	C	1,2-dibromo-3-chloropropane	2.451	2.005	18.2	79	0.00
112		undecane	7.950	7.731	2.8	96	0.00
114		dodecane	7.791	7.814	-0.3	93	0.02
115	C	1,2,4-trichlorobenzene	4.868	4.554	6.5	84	0.00
116		naphthalene	11.284	10.730	4.9	90	0.02
117		1,2,3-trichlorobenzene	4.439	4.348	2.1	93	0.00
119	C	hexachlorobutadiene	4.530	4.103	9.4	87	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330584.D
Acq On : 24 Apr 2024 11:20 AM
Operator : AIRPIANO3:KJD
Sample : WG1912849-2,3,250,250,,
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 14:18:09 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	8.842	49	349686	10.000	ppbV		0.02
Standard Area = 349686			Recovery = 100.00%				
43) 1,4-difluorobenzene	11.073	114	1160525	10.000	ppbV		0.02
Standard Area = 1160525			Recovery = 100.00%				
67) chlorobenzene-D5	15.825	54	168249	10.000	ppbV		0.00
Standard Area = 168249			Recovery = 100.00%				
System Monitoring Compounds							
Target Compounds							Qvalue
2) chlorodifluoromethane	3.708	51	289471	8.831	ppbV		99
3) propylene	3.738	41	185198M6	7.925	ppbV		
4) propane	3.762	29	214555	10.314	ppbV	#	84
5) dichlorodifluoromethane	3.810	85	379419	9.954	ppbV		98
6) chloromethane	3.966	50	152411	8.000	ppbV		96
7) Freon-114	4.068	85	411714	9.091	ppbV		91
8) methanol	4.122	31	349395	44.028	ppbV		99
9) vinyl chloride	4.188	62	224560	10.612	ppbV		100
10) 1,3-butadiene	4.326	54	150994	9.036	ppbV		91
11) butane	4.380	43	314718	7.474	ppbV	#	95
13) bromomethane	4.596	94	170589	10.404	ppbV		97
14) chloroethane	4.776	64	110460	10.102	ppbV		100
15) ethanol	4.902	31	590853	49.397	ppbV	#	78
16) dichlorofluoromethane	4.884	67	379117	9.391	ppbV	#	98
17) vinyl bromide	5.150	106	141851	11.024	ppbV		98
18) acrolein	5.273	56	108988	9.368	ppbV		96
19) acetone	5.407	43	1599161	42.019	ppbV	#	80
20) acetonitrile	5.130	41	98260	5.040	ppbV		97
21) trichlorofluoromethane	5.600	101	436441	11.260	ppbV		98
22) isopropyl alcohol	5.683	45	1026309	20.229	ppbV	#	96
23) acrylonitrile	5.920	53	216214	10.449	ppbV		97
24) pentane	5.993	43	500122	7.995	ppbV	#	93
25) ethyl ether	6.017	31	384507	10.554	ppbV	#	91
26) 1,1-dichloroethene	6.292	61	413952	11.739	ppbV		99
27) tertiary butyl alcohol	6.340	59	571361	11.339	ppbV	#	90
28) methylene chloride	6.436	49	266461	9.518	ppbV		98
29) 3-chloropropene	6.562	41	349708	7.901	ppbV		96
30) carbon disulfide	6.730	76	768900	8.828	ppbV		98
31) Freon 113	6.730	101	480366	10.495	ppbV		97

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330584.D
Acq On : 24 Apr 2024 11:20 AM
Operator : AIRPIANO3:KJD
Sample : WG1912849-2,3,250,250,,
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 14:18:09 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
32) trans-1,2-dichloroethene	7.483	61	405743	10.471	ppbV		99
33) 1,1-dichloroethane	7.700	63	520922	10.290	ppbV		99
34) MTBE	7.767	73	666129	8.779	ppbV	#	94
35) vinyl acetate	7.892	43	500516	7.812	ppbV	#	93
36) 2-butanone	8.150	43	513354	7.888	ppbV	#	96
37) cis-1,2-dichloroethene	8.650	61	389199	10.858	ppbV		99
38) Ethyl Acetate	8.925	61	103872	10.658	ppbV		63
39) chloroform	8.992	83	442586	10.268	ppbV		96
40) Tetrahydrofuran	9.433	42	324091	7.713	ppbV		95
41) 2,2-dichloropropane	9.017	77	350507	9.379	ppbV		95
42) 1,2-dichloroethane	9.825	62	298263	10.782	ppbV		97
44) hexane	8.908	57	495827	11.389	ppbV	#	61
45) diisopropyl ether	8.900	87	269573	10.569	ppbV		69
46) tert-butyl ethyl ether	9.517	59	946128	11.580	ppbV		99
48) 1,1,1-trichloroethane	10.117	97	413170	11.825	ppbV		97
49) 1,1-dichloropropene	10.487	75	385038	9.122	ppbV		96
50) benzene	10.647	78	905587	9.194	ppbV	#	93
52) carbon tetrachloride	10.813	117	336365	10.553	ppbV		99
53) cyclohexane	10.960	56	524434	11.347	ppbV	#	86
54) tert-amyl methyl ether	11.340	73	816983	9.293	ppbV	#	95
55) dibromomethane	11.560	93	268795	11.699	ppbV		99
56) 1,2-dichloropropane	11.593	63	366277	10.642	ppbV		97
57) bromodichloromethane	11.827	83	439222	10.421	ppbV		97
58) 1,4-dioxane	11.867	88	202704	10.473	ppbV		93
59) trichloroethene	11.873	130	391878	11.433	ppbV		99
60) 2,2,4-trimethylpentane	11.920	57	1623520	11.522	ppbV	#	90
61) methyl methacrylate	12.120	41	333419	9.045	ppbV	#	89
62) heptane	12.240	43	540630	8.563	ppbV	#	81
63) cis-1,3-dichloropropene	12.892	75	466476	9.439	ppbV		98
64) 4-methyl-2-pentanone	12.925	43	625799	8.405	ppbV	#	81
65) trans-1,3-dichloropropene	13.517	75	370224	9.838	ppbV		97
66) 1,1,2-trichloroethane	13.717	97	366958	11.418	ppbV		95
68) toluene	14.042	91	1130200	9.432	ppbV		100
71) 1,3-dichloropropane	14.075	76	503039	7.773	ppbV		95
72) 2-hexanone	14.333	43	580153	7.204	ppbV	#	78
74) dibromochloromethane	14.500	129	456428	9.488	ppbV		100
75) 1,2-dibromoethane	14.750	107	521161	8.797	ppbV		97
76) butyl acetate	15.000	73	161832	7.587	ppbV	#	80
77) octane	15.092	85	441710	8.577	ppbV		79
78) tetrachloroethene	15.217	166	496515	9.215	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330584.D
Acq On : 24 Apr 2024 11:20 AM
Operator : AIRPIANO3:KJD
Sample : WG1912849-2,3,250,250,,
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 14:18:09 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : Default-LCS-AP2 - All compounds listed

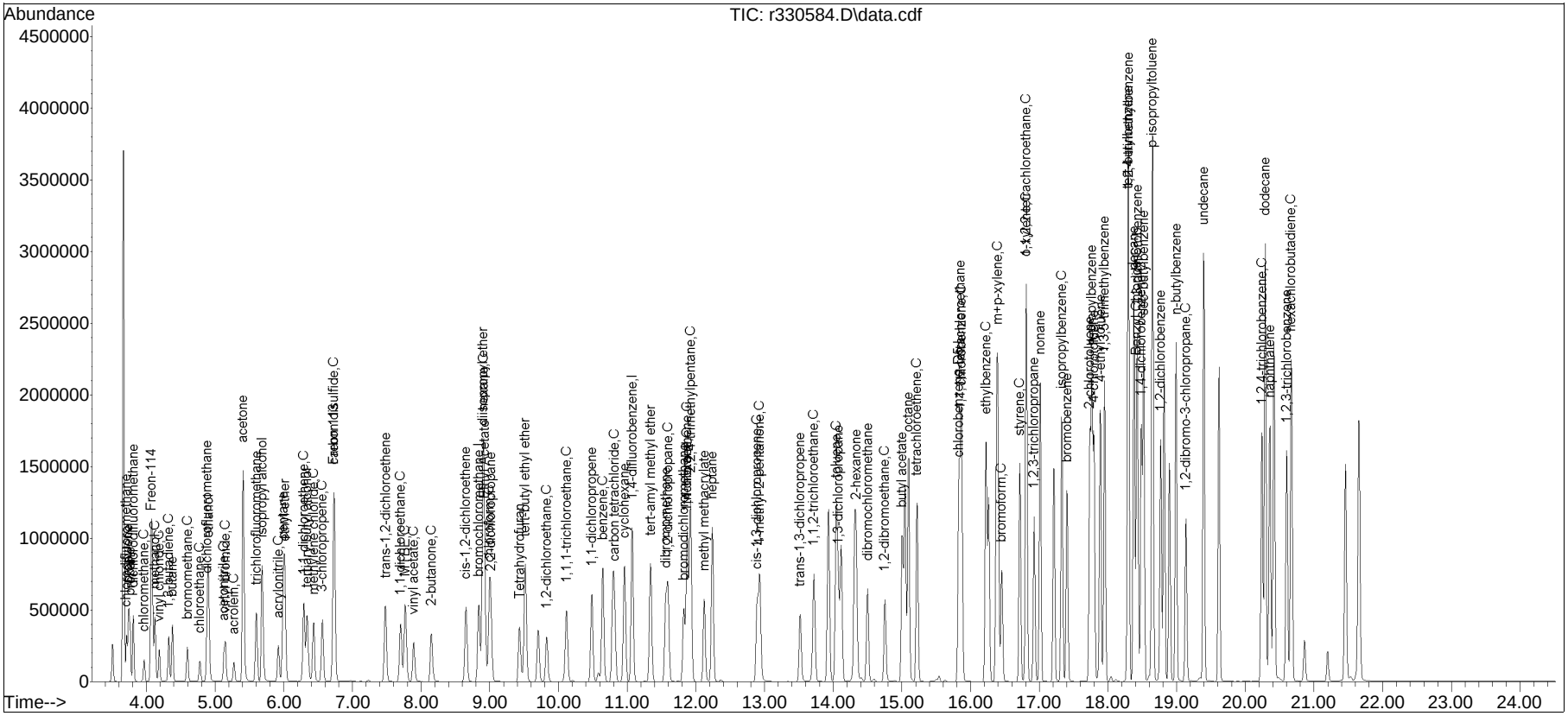
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
79) 1,1,1,2-tetrachloroethane	15.850	131	369715	9.501	ppbV		98
80) chlorobenzene	15.867	112	880829	8.520	ppbV		98
81) ethylbenzene	16.225	91	1432605	9.510	ppbV		94
83) m+p-xylene	16.392	91	2312036	19.138	ppbV		92
84) bromoform	16.450	173	456522	9.771	ppbV		100
85) styrene	16.717	104	964410	8.847	ppbV		99
86) 1,1,2,2-tetrachloroethane	16.808	83	785473	9.074	ppbV		99
87) o-xylene	16.808	91	1146480	9.578	ppbV		93
88) 1,2,3-trichloropropane	16.925	75	614305	8.091	ppbV		96
89) nonane	17.017	43	830659	7.443	ppbV	#	76
91) isopropylbenzene	17.325	105	1489809	8.728	ppbV		97
92) bromobenzene	17.400	77	806829	8.261	ppbV		91
93) 2-chlorotoluene	17.733	126	442729	9.265	ppbV		98
94) n-propylbenzene	17.767	120	508569	9.048	ppbV		92
95) 4-chlorotoluene	17.792	126	436034	9.376	ppbV		92
96) 4-ethyl toluene	17.892	105	1519117	8.526	ppbV		98
97) 1,3,5-trimethylbenzene	17.950	105	1364256	8.794	ppbV		99
98) tert-butylbenzene	18.292	119	1337620	9.015	ppbV		98
99) 1,2,4-trimethylbenzene	18.300	105	1308797	8.791	ppbV		98
100) decane	18.375	57	1177405	9.650	ppbV	#	80
101) Benzyl Chloride	18.417	91	845921	8.981	ppbV		99
102) 1,3-dichlorobenzene	18.425	146	931572	9.400	ppbV		96
103) 1,4-dichlorobenzene	18.483	146	908439	9.159	ppbV		94
104) sec-butylbenzene	18.517	105	1897963	8.770	ppbV		96
106) p-isopropyltoluene	18.642	119	1592868	8.945	ppbV		97
107) 1,2-dichlorobenzene	18.767	146	875427	9.111	ppbV		95
108) n-butylbenzene	18.992	91	1482310	9.550	ppbV		99
111) 1,2-dibromo-3-chloropr...	19.133	75	337291	8.181	ppbV		85
112) undecane	19.392	57	1300718	9.725	ppbV	#	83
114) dodecane	20.292	57	1314748	10.030	ppbV	#	81
115) 1,2,4-trichlorobenzene	20.242	180	766138	9.354	ppbV		97
116) naphthalene	20.358	128	1805258	9.509	ppbV		99
117) 1,2,3-trichlorobenzene	20.600	180	731475	9.794	ppbV		96
119) hexachlorobutadiene	20.667	225	690375	9.057	ppbV		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-LCS-AP2 - All compounds listed24T\r330584.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330584.D
Acq On : 24 Apr 2024 11:20 AM
Operator : AIRPIANO3:KJD
Sample : WG1912849-2,3,250,250,,
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

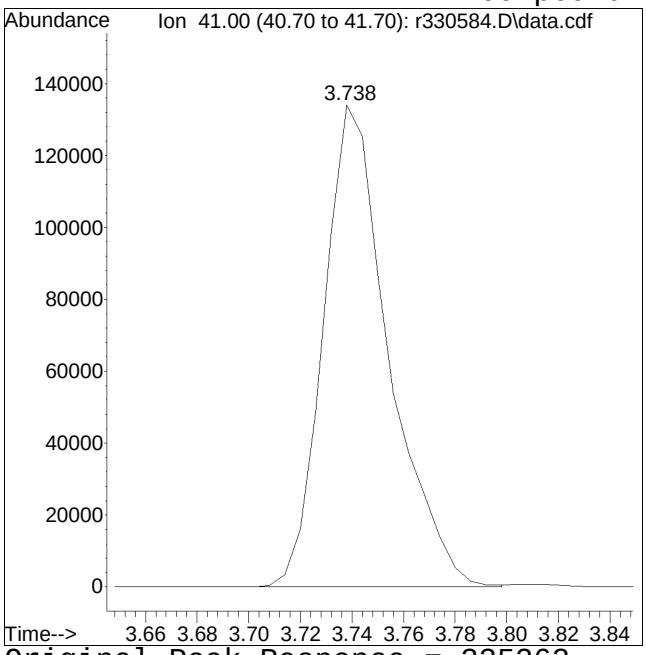
Quant Time: Apr 24 14:18:09 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration



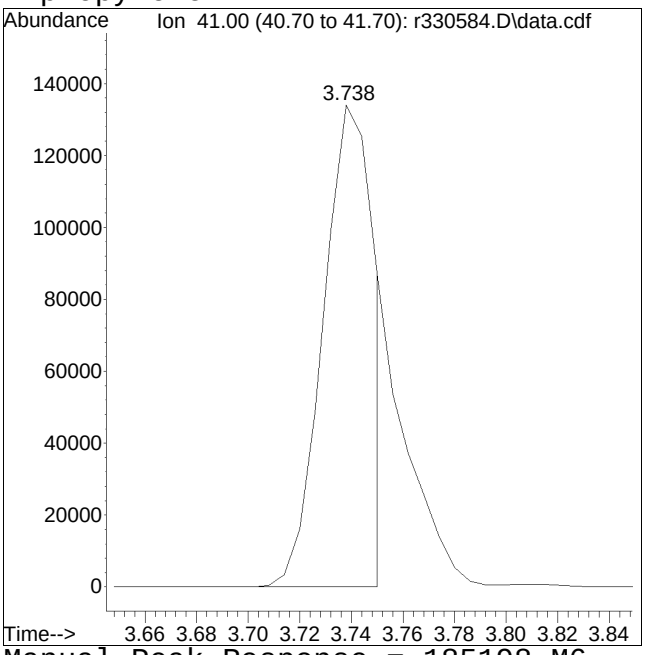
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330584.D
Date Inj'd : 4/24/2020 0:1: 0
Sample : WG1912849-2,3,250,250,,
Method : TFS3_240401.M
Operator : AIRPIANO3:KJD
Instrument :
Quant Date : 4/24/2024 2:18 pm

Compound #3: propylene



Original Peak Response = 235262



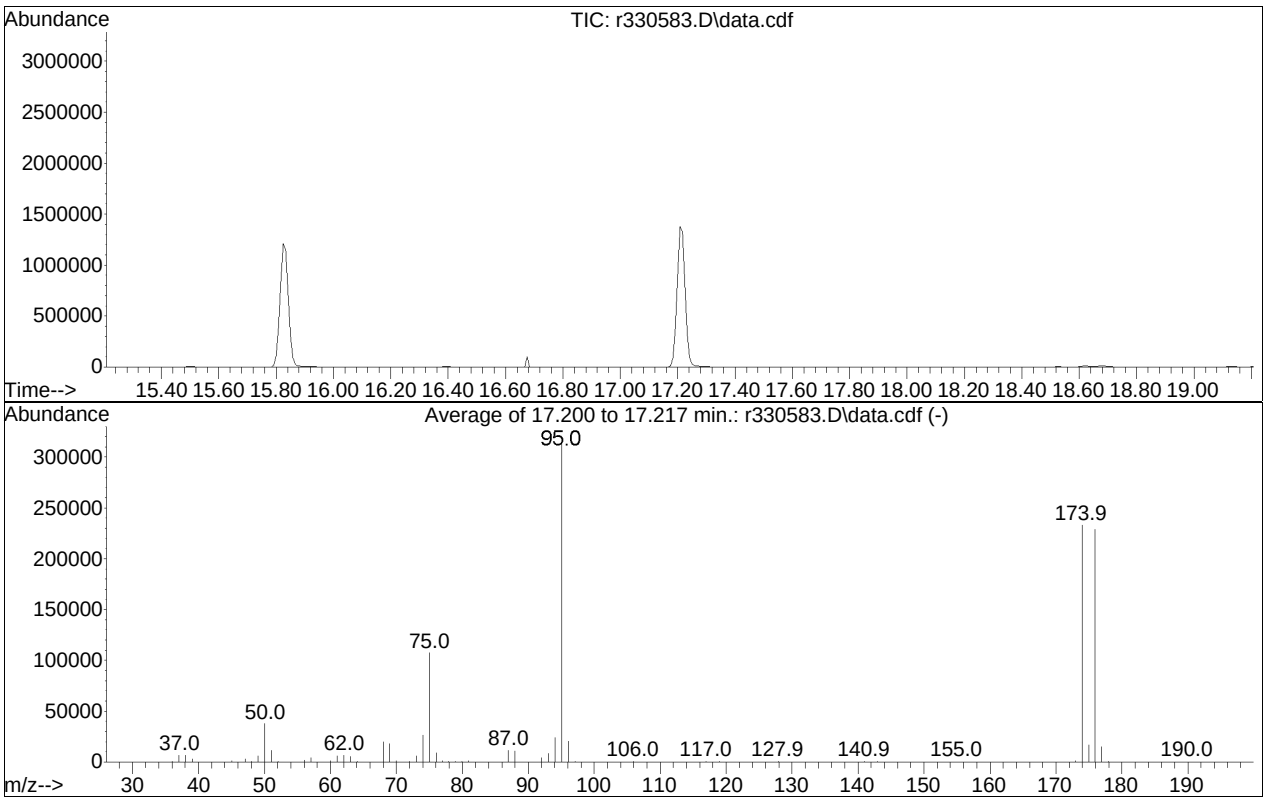
Manual Peak Response = 185198 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330583.D
Acq On : 24 Apr 2024 10:38 AM
Operator : AIRPIANO3:KJD
Sample : WG1912849-1,3,250,250,,
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Integration File: rteint.p

Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Wed Apr 03 14:05:38 2024



AutoFind: Scans 2064, 2065, 2066; Background Corrected with Scan 2057

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	12.0	37722	PASS
75	95	30	66	34.1	107313	PASS
95	95	100	100	100.0	314559	PASS
96	95	5	9	6.6	20842	PASS
173	174	0.00	2	0.6	1489	PASS
174	95	50	120	74.2	233307	PASS
175	174	4	9	7.3	17018	PASS
176	174	93	101	98.2	229181	PASS
177	176	5	9	6.7	15458	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330563.D
Acq On : 23 Apr 2024 5:47 PM
Operator : AIRPIANO3:JMB
Sample : WG1912266-4,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:07:21 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423T\r330561.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.817	49	343842	10.000	ppbV	0.00
Standard Area = 361003			Recovery = 95.25%			
43) 1,4-difluorobenzene	11.053	114	1144296	10.000	ppbV	0.00
Standard Area = 1163384			Recovery = 98.36%			
67) chlorobenzene-D5	15.808	54	159671	10.000	ppbV	0.00
Standard Area = 169079			Recovery = 94.44%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	0.000		0	N.D. d		
6) chloromethane	0.000		0	N.D.		
7) Freon-114	0.000		0	N.D.		
9) vinyl chloride	0.000		0	N.D.		
10) 1,3-butadiene	0.000		0	N.D.		
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	4.914	31	623	0.053	ppbV #	68
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.437	43	1795	0.048	ppbV #	69
21) trichlorofluoromethane	0.000		0	N.D.		
22) isopropyl alcohol	5.703	45	2426	0.049	ppbV #	89
26) 1,1-dichloroethene	0.000		0	N.D.		
27) tertiary butyl alcohol	0.000		0	N.D.		
28) methylene chloride	6.418	49	910	0.033	ppbV	94
29) 3-chloropropene	0.000		0	N.D.		
30) carbon disulfide	0.000		0	N.D.		
31) Freon 113	6.718		0	N.D.		
32) trans-1,2-dichloroethene	0.000		0	N.D.		
33) 1,1-dichloroethane	7.683		0	N.D.		
34) MTBE	0.000		0	N.D.		
36) 2-butanone	0.000		0	N.D.		
37) cis-1,2-dichloroethene	0.000		0	N.D.		
38) Ethyl Acetate	0.000		0	N.D.		
39) chloroform	0.000		0	N.D.		
40) Tetrahydrofuran	0.000		0	N.D.		
42) 1,2-dichloroethane	0.000		0	N.D.		
44) hexane	0.000		0	N.D.		

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330563.D
Acq On : 23 Apr 2024 5:47 PM
Operator : AIRPIANO3:JMB
Sample : WG1912266-4,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:07:21 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423T\r330561.D
Sub List : Default-LCS-AP2 - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48)	1,1,1-trichloroethane	0.000		0	N.D.		
50)	benzene	10.627		0	N.D.		
52)	carbon tetrachloride	0.000		0	N.D.		
53)	cyclohexane	0.000		0	N.D. d		
56)	1,2-dichloropropane	0.000		0	N.D.		
57)	bromodichloromethane	11.807		0	N.D.		
58)	1,4-dioxane	0.000		0	N.D.		
59)	trichloroethene	0.000		0	N.D.		
60)	2,2,4-trimethylpentane	0.000		0	N.D.		
62)	heptane	12.227		0	N.D.		
63)	cis-1,3-dichloropropene	0.000		0	N.D.		
64)	4-methyl-2-pentanone	0.000		0	N.D.		
65)	trans-1,3-dichloropropene	0.000		0	N.D.		
66)	1,1,2-trichloroethane	0.000		0	N.D.		
68)	toluene	14.042		0	N.D.		
72)	2-hexanone	0.000		0	N.D.		
74)	dibromochloromethane	0.000		0	N.D.		
75)	1,2-dibromoethane	0.000		0	N.D.		
78)	tetrachloroethene	0.000		0	N.D.		
80)	chlorobenzene	0.000		0	N.D.		
81)	ethylbenzene	0.000		0	N.D.		
83)	m+p-xylene	0.000		0	N.D.		
84)	bromoform	0.000		0	N.D.		
85)	styrene	0.000		0	N.D.		
86)	1,1,2,2-tetrachloroethane	0.000		0	N.D.		
87)	o-xylene	0.000		0	N.D.		
96)	4-ethyl toluene	17.950		0	N.D.		
97)	1,3,5-trimethylbenzene	17.950		0	N.D.		
99)	1,2,4-trimethylbenzene	0.000		0	N.D.		
101)	Benzyl Chloride	0.000		0	N.D.		
102)	1,3-dichlorobenzene	0.000		0	N.D.		
103)	1,4-dichlorobenzene	0.000		0	N.D.		
107)	1,2-dichlorobenzene	18.767	146	5527	0.061	ppbV	95
115)	1,2,4-trichlorobenzene	20.258		0	N.D.		
116)	naphthalene	20.383		0	N.D.		
119)	hexachlorobutadiene	20.658		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330563.D
Acq On : 23 Apr 2024 5:47 PM
Operator : AIRPIANO3:JMB
Sample : WG1912266-4,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:07:21 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

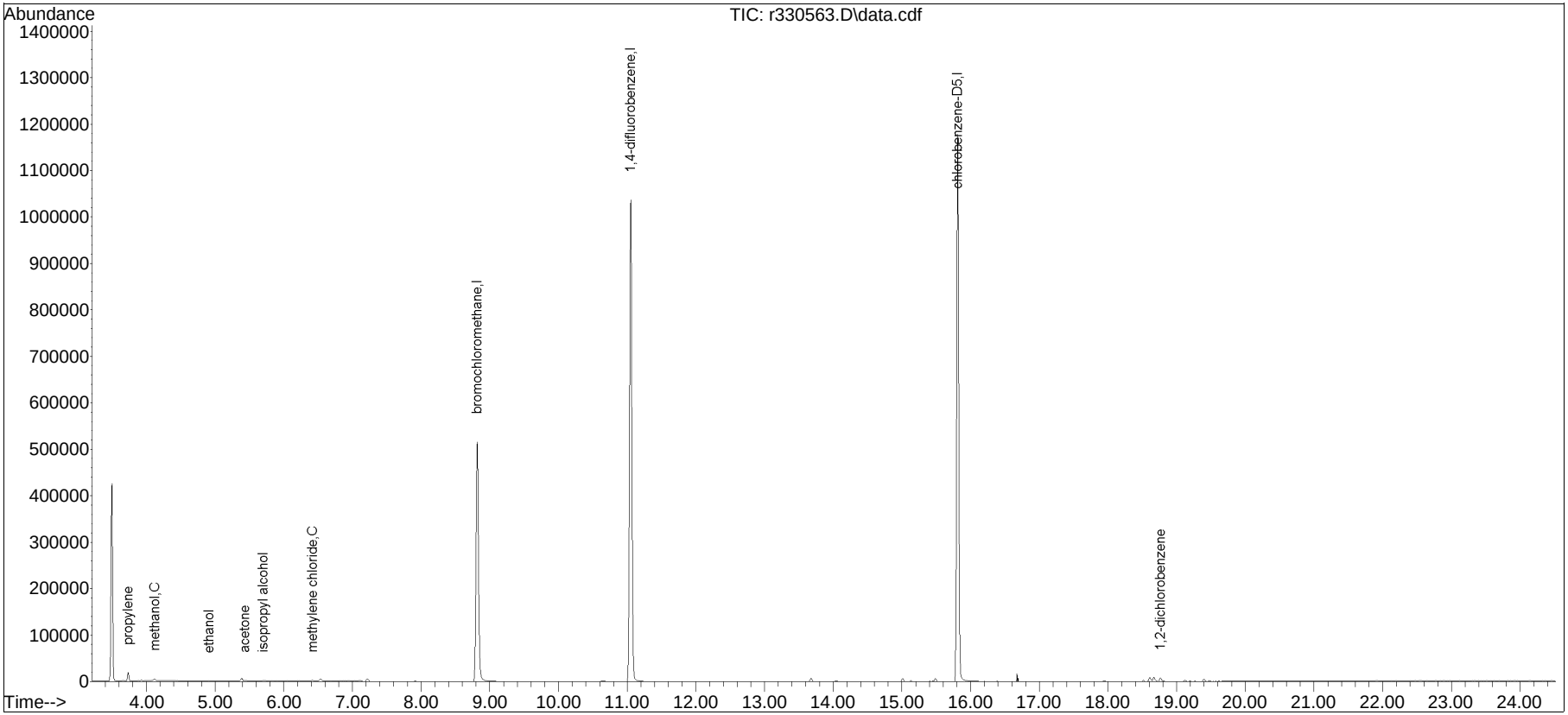
CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423T\r330561.D
Sub List : Default-LCS-AP2 - All compounds listed

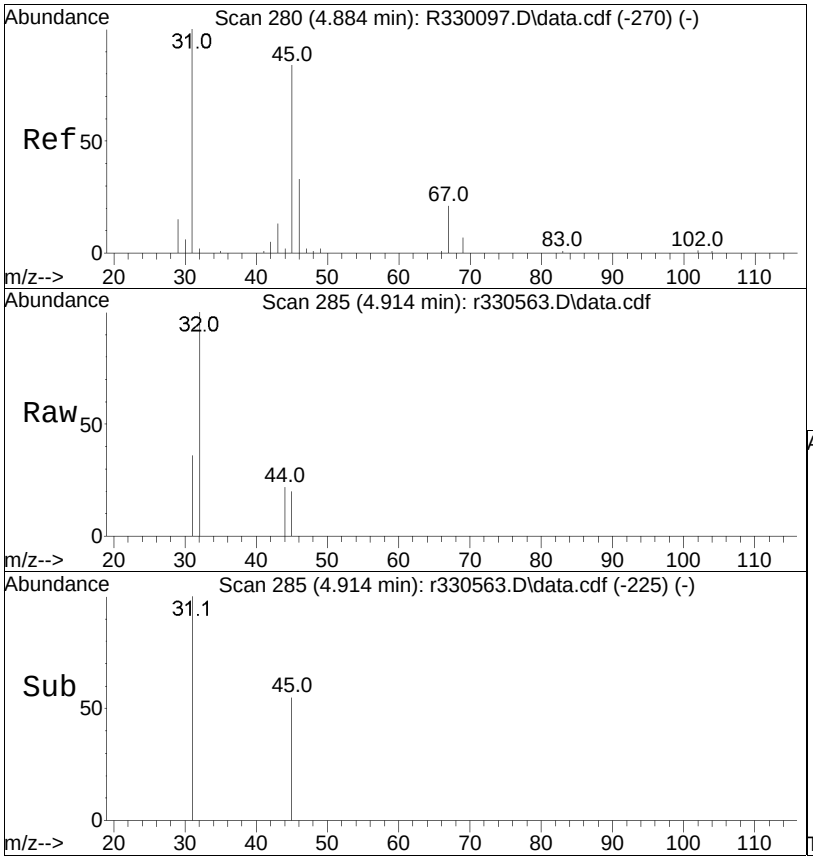
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : Default-LCS-AP2 - All compounds listed23T\r330561.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330563.D
Acq On : 23 Apr 2024 5:47 PM
Operator : AIRPIANO3:JMB
Sample : WG1912266-4,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:07:21 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

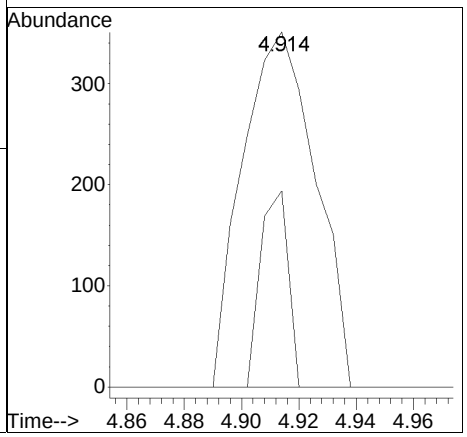


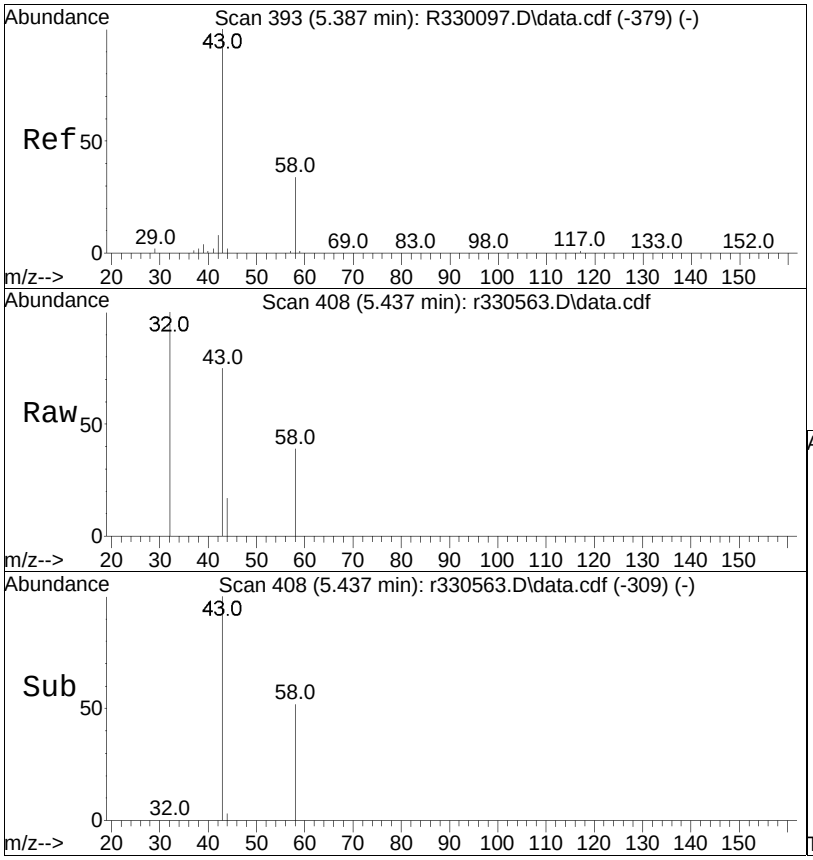


#15
ethanol
Concen: 0.05 ppbV
RT: 4.914 min Scan# 285
Delta R.T. 0.030 min
Lab File: r330563.D
Acq: 23 Apr 2024 5:47 PM

Tgt Ion: 31 Resp: 623

Ion	Ratio	Lower	Upper
31	100		
45	55.3	67.5	101.3#

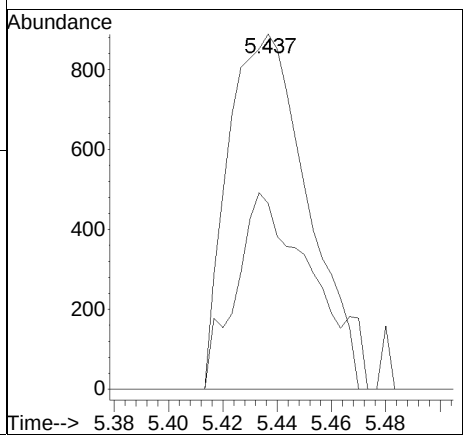


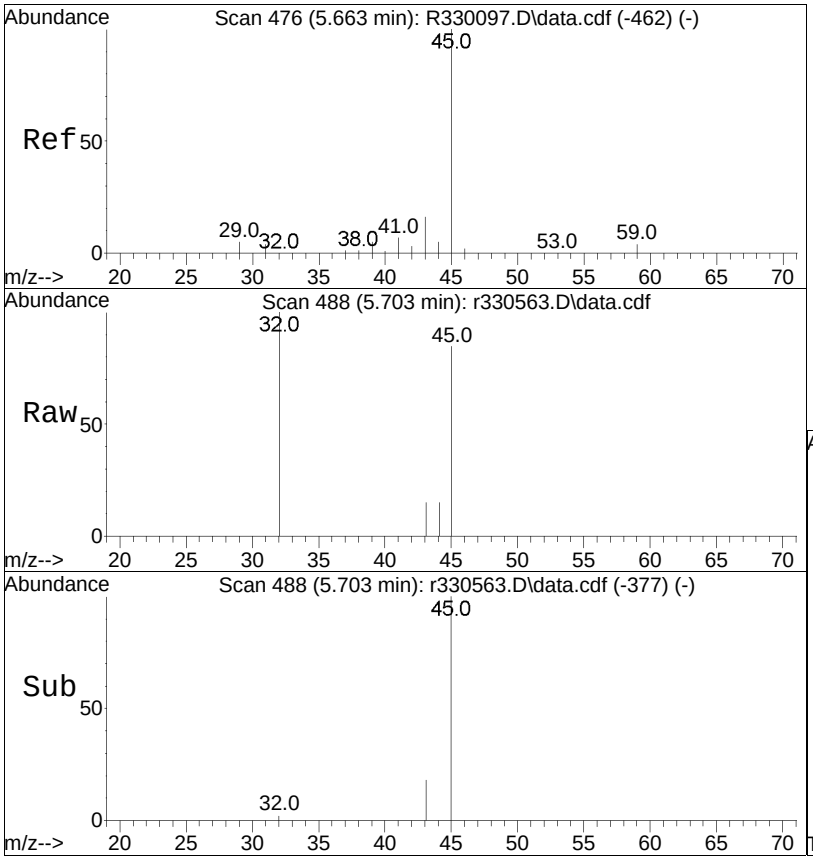


#19
acetone
Concen: 0.05 ppbV
RT: 5.437 min Scan# 408
Delta R.T. 0.050 min
Lab File: r330563.D
Acq: 23 Apr 2024 5:47 PM

Tgt Ion: 43 Resp: 1795

Ion	Ratio	Lower	Upper
43	100		
58	52.3	27.3	40.9#
57	0.0	0.8	1.2#

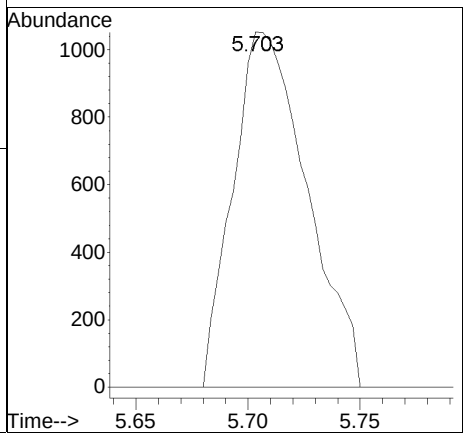


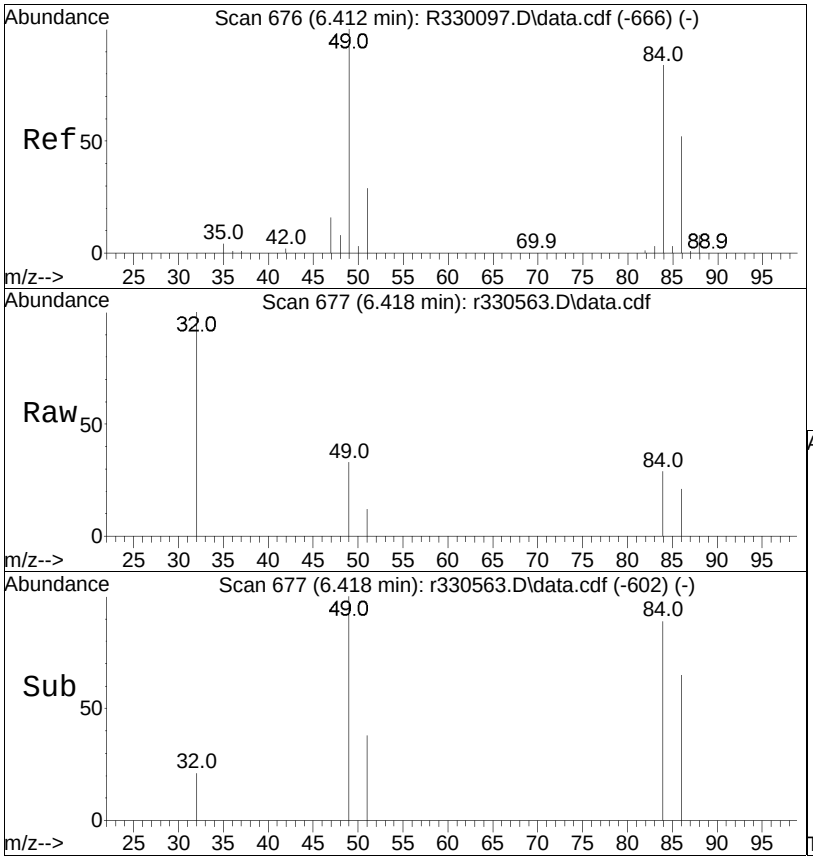


#22
isopropyl alcohol
Concen: 0.05 ppbV
RT: 5.703 min Scan# 488
Delta R.T. 0.040 min
Lab File: r330563.D
Acq: 23 Apr 2024 5:47 PM

Tgt Ion: 45 Resp: 2426

Ion	Ratio	Lower	Upper
45	100		
59	0.0	3.0	4.4#

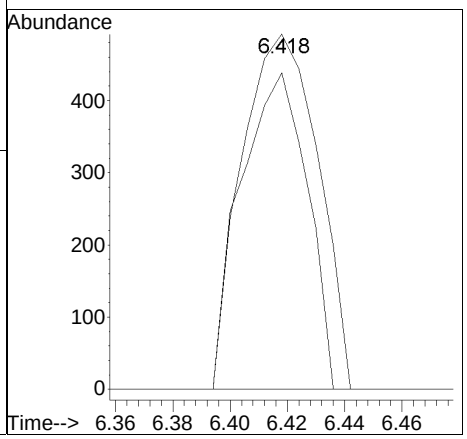


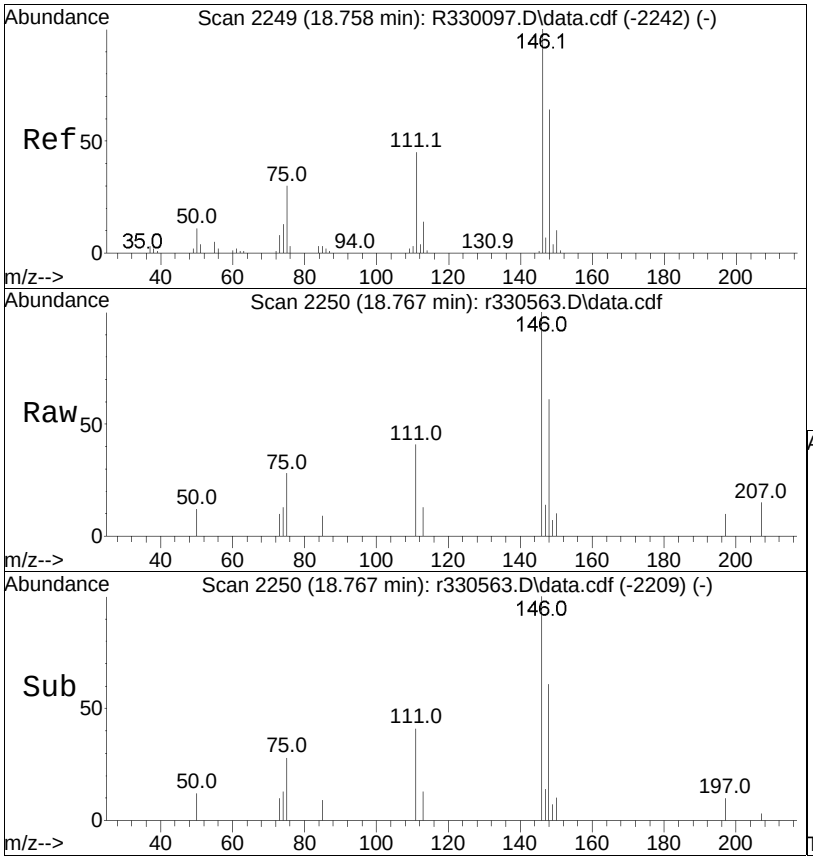


#28
methylene chloride
Concen: 0.03 ppbV
RT: 6.418 min Scan# 677
Delta R.T. 0.006 min
Lab File: r330563.D
Acq: 23 Apr 2024 5:47 PM

Tgt Ion: 49 Resp: 910

Ion	Ratio	Lower	Upper
49	100		
84	89.0	67.0	100.4

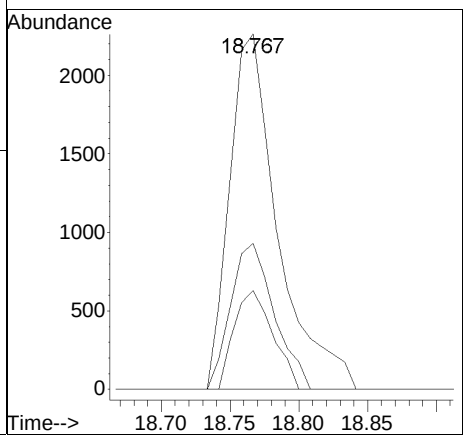




#107
1,2-dichlorobenzene
Concen: 0.06 ppbV
RT: 18.767 min Scan# 2250
Delta R.T. 0.008 min
Lab File: r330563.D
Acq: 23 Apr 2024 5:47 PM

Tgt Ion:146 Resp: 5527

Ion	Ratio	Lower	Upper
146	100		
111	41.1	35.7	53.5
75	27.8	24.1	36.1



Manual Integration Report

Data Path	: O:\Forensics\Data\Airpiano	QMethod	: TFS3_240401.M
Data File	: r330563.D	Operator	: AIRPIANO3:JMB
Date Inj'd	: 4/23/2020 0:5: 7	Instrument	:
Sample	: WG1912266-4,3,250,250	Quant Date	: 4/24/2024 7:07 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330588.D
Acq On : 24 Apr 2024 3:04 PM
Operator : AIRPIANO3:KJD
Sample : WG1912849-4,3,250,250,,
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:27:57 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.842	49	341895	10.000	ppbV	0.02
Standard Area = 349686			Recovery = 97.77%			
43) 1,4-difluorobenzene	11.073	114	1162883	10.000	ppbV	0.02
Standard Area = 1160525			Recovery = 100.20%			
67) chlorobenzene-D5	15.833	54	163537	10.000	ppbV	0.02
Standard Area = 168249			Recovery = 97.20%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	0.000		0	N.D.	d	
6) chloromethane	0.000		0	N.D.		
7) Freon-114	0.000		0	N.D.		
9) vinyl chloride	0.000		0	N.D.		
10) 1,3-butadiene	0.000		0	N.D.		
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	4.932	31	850	0.073	ppbV #	66
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.453	43	1737	0.047	ppbV #	93
21) trichlorofluoromethane	0.000		0	N.D.		
22) isopropyl alcohol	5.737	45	2480	0.050	ppbV #	89
26) 1,1-dichloroethene	0.000		0	N.D.		
27) tertiary butyl alcohol	0.000		0	N.D.		
28) methylene chloride	6.436	49	922	0.034	ppbV	91
29) 3-chloropropene	0.000		0	N.D.		
30) carbon disulfide	0.000		0	N.D.		
31) Freon 113	6.742		0	N.D.		
32) trans-1,2-dichloroethene	0.000		0	N.D.		
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	0.000		0	N.D.		
36) 2-butanone	0.000		0	N.D.		
37) cis-1,2-dichloroethene	0.000		0	N.D.		
38) Ethyl Acetate	0.000		0	N.D.		
39) chloroform	0.000		0	N.D.		
40) Tetrahydrofuran	0.000		0	N.D.		
42) 1,2-dichloroethane	0.000		0	N.D.		
44) hexane	0.000		0	N.D.		

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330588.D
Acq On : 24 Apr 2024 3:04 PM
Operator : AIRPIANO3:KJD
Sample : WG1912849-4,3,250,250,,
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:27:57 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,1-trichloroethane	0.000		0	N.D.		
50) benzene	10.653		0	N.D.		
52) carbon tetrachloride	0.000		0	N.D.		
53) cyclohexane	0.000		0	N.D.	d	
56) 1,2-dichloropropane	0.000		0	N.D.		
57) bromodichloromethane	0.000		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
59) trichloroethene	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	0.000		0	N.D.		
62) heptane	0.000		0	N.D.		
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	0.000		0	N.D.		
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	0.000		0	N.D.		
72) 2-hexanone	0.000		0	N.D.		
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
78) tetrachloroethene	0.000		0	N.D.		
80) chlorobenzene	0.000		0	N.D.		
81) ethylbenzene	0.000		0	N.D.		
83) m+p-xylene	0.000		0	N.D.		
84) bromoform	0.000		0	N.D.		
85) styrene	0.000		0	N.D.		
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
87) o-xylene	0.000		0	N.D.		
96) 4-ethyl toluene	17.967		0	N.D.		
97) 1,3,5-trimethylbenzene	17.967		0	N.D.		
99) 1,2,4-trimethylbenzene	0.000		0	N.D.		
101) Benzyl Chloride	0.000		0	N.D.		
102) 1,3-dichlorobenzene	0.000		0	N.D.		
103) 1,4-dichlorobenzene	0.000		0	N.D.		
107) 1,2-dichlorobenzene	18.800		0	N.D.		
115) 1,2,4-trichlorobenzene	20.275		0	N.D.		
116) naphthalene	20.392		0	N.D.		
119) hexachlorobutadiene	20.675		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330588.D
Acq On : 24 Apr 2024 3:04 PM
Operator : AIRPIANO3:KJD
Sample : WG1912849-4,3,250,250,,
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:27:57 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

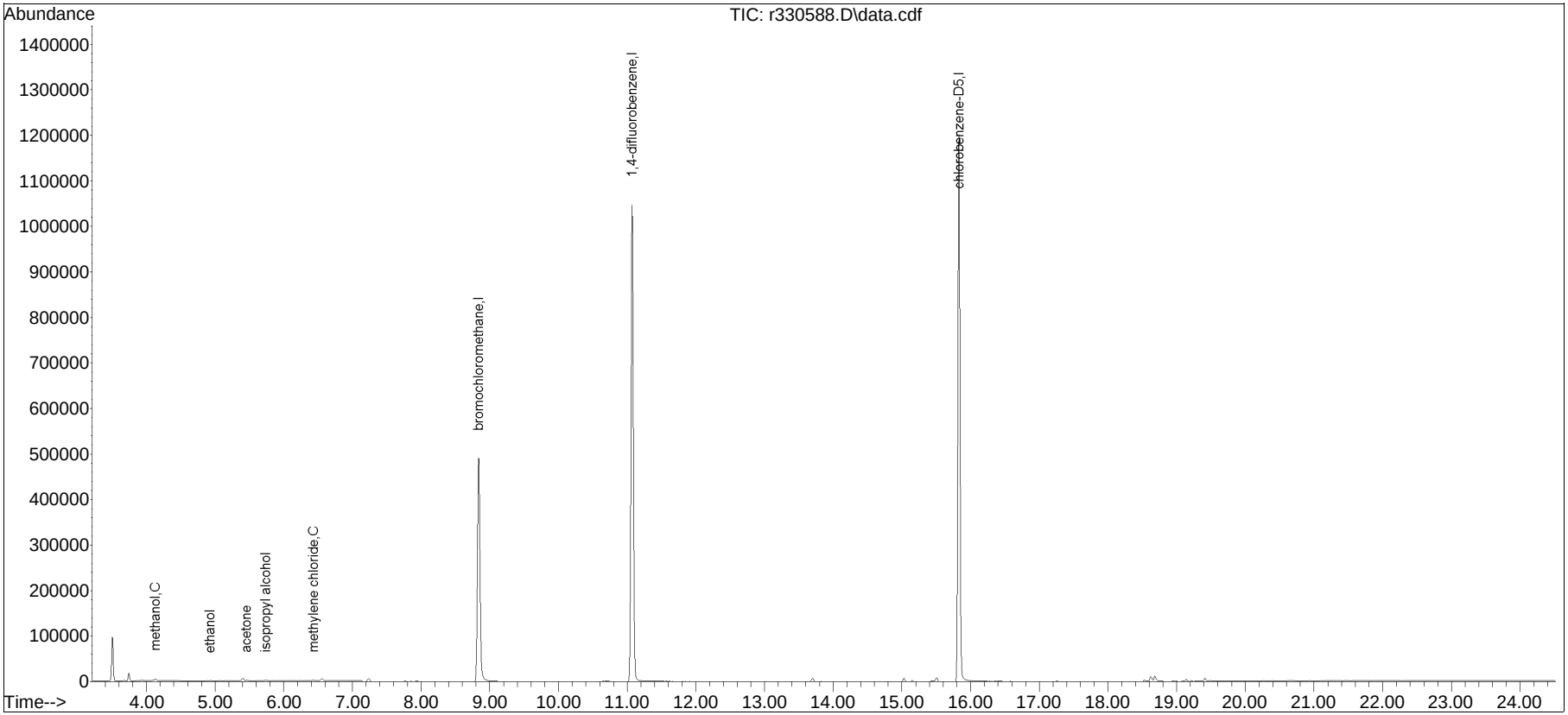
CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : Default-LCS-AP2 - All compounds listed

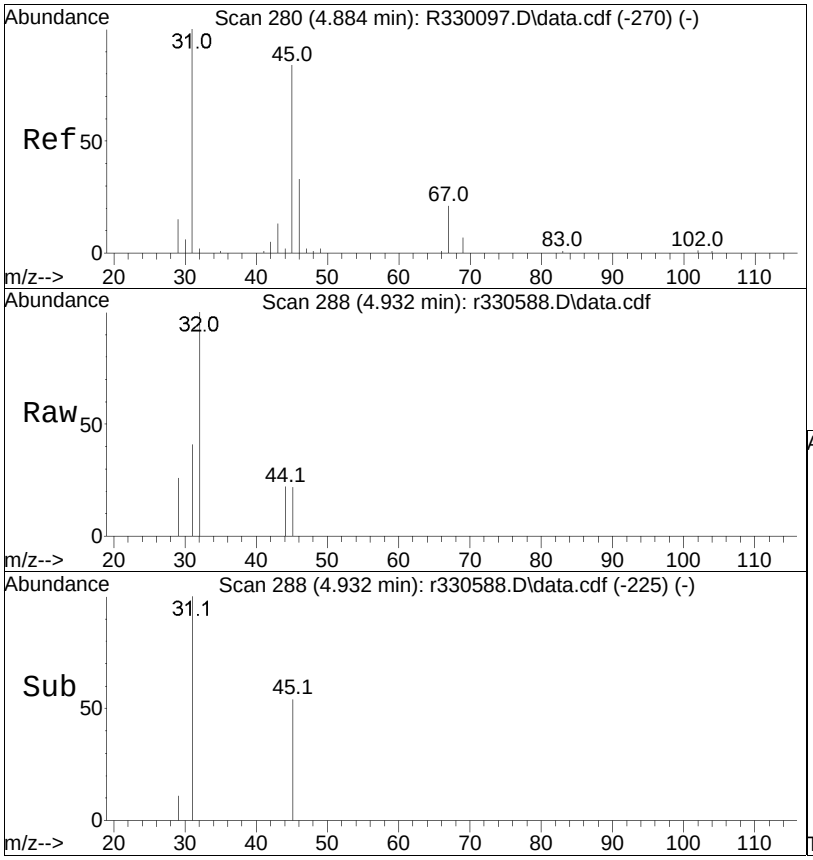
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : Default-LCS-AP2 - All compounds listed24T\r330584.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330588.D
Acq On : 24 Apr 2024 3:04 PM
Operator : AIRPIANO3:KJD
Sample : WG1912849-4,3,250,250,,
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:27:57 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

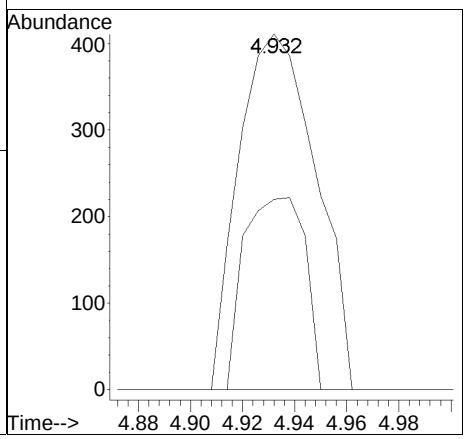


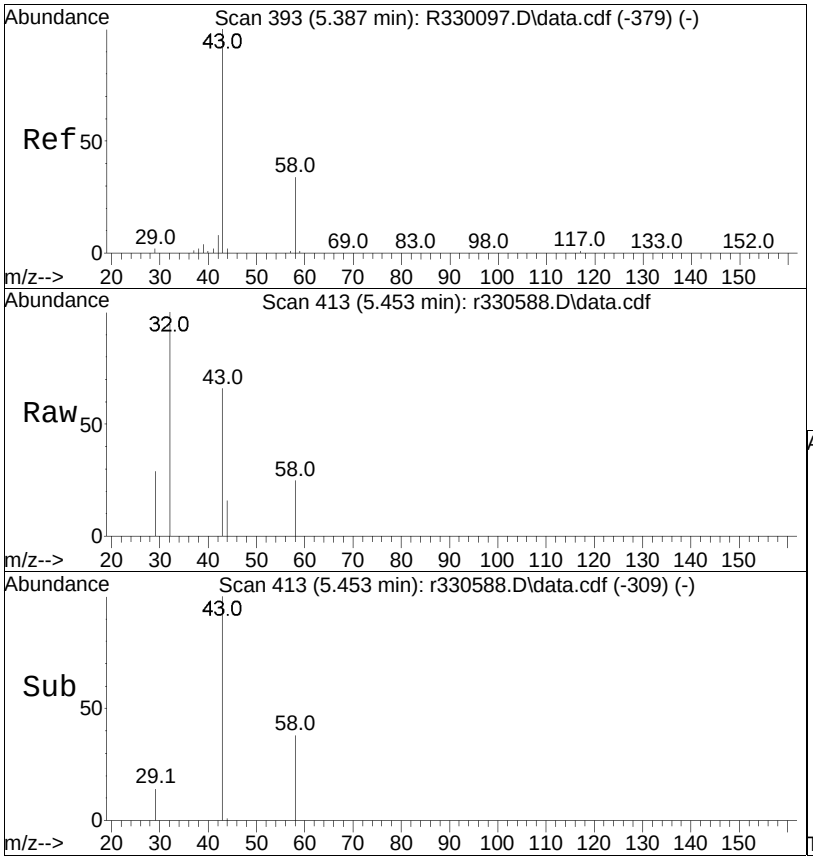


#15
ethanol
Concen: 0.07 ppbV
RT: 4.932 min Scan# 288
Delta R.T. 0.048 min
Lab File: r330588.D
Acq: 24 Apr 2024 3:04 PM

Tgt Ion: 31 Resp: 850

Ion	Ratio	Lower	Upper
31	100		
45	53.5	67.5	101.3#

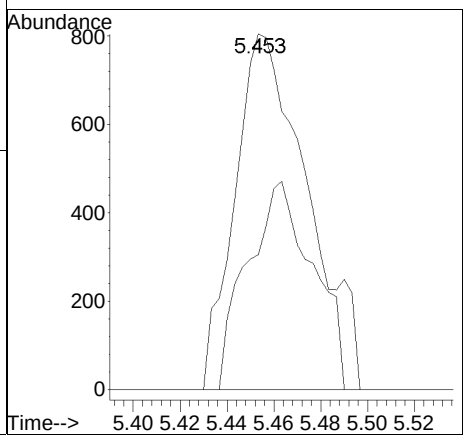


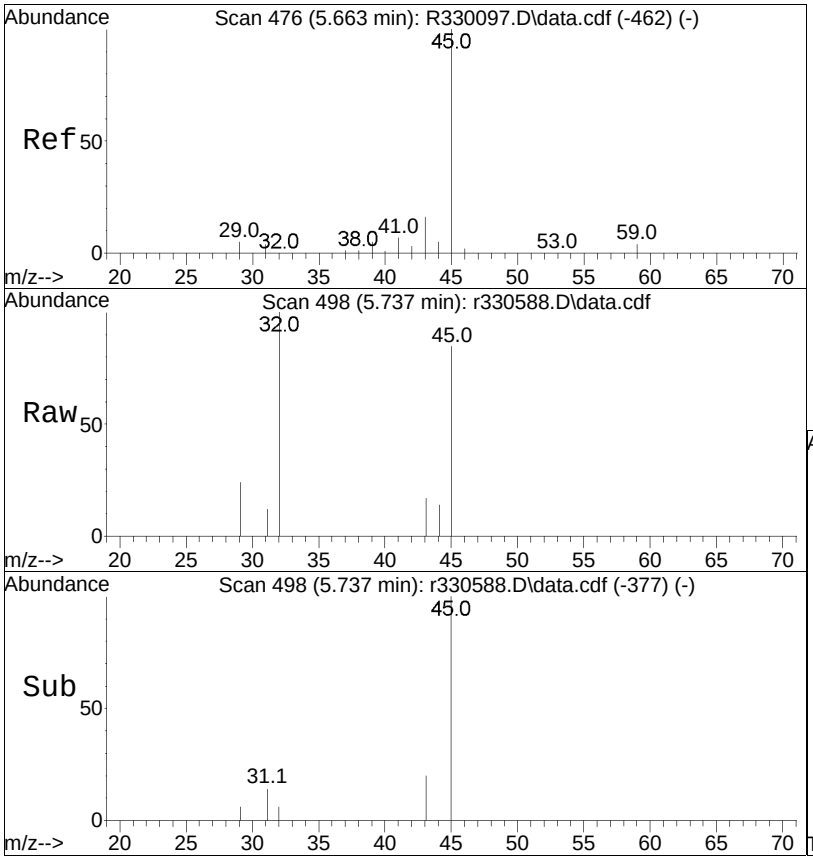


#19
acetone
Concen: 0.05 ppbV
RT: 5.453 min Scan# 413
Delta R.T. 0.066 min
Lab File: r330588.D
Acq: 24 Apr 2024 3:04 PM

Tgt Ion: 43 Resp: 1737

Ion	Ratio	Lower	Upper
43	100		
58	37.9	27.3	40.9
57	0.0	0.8	1.2#

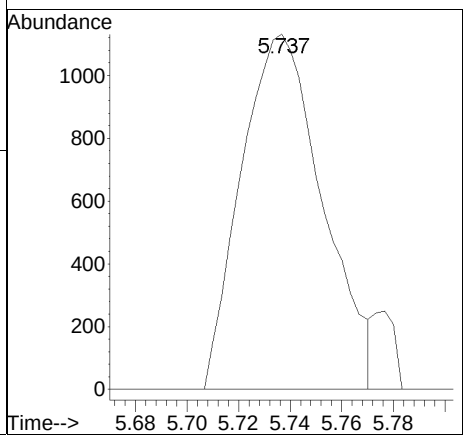


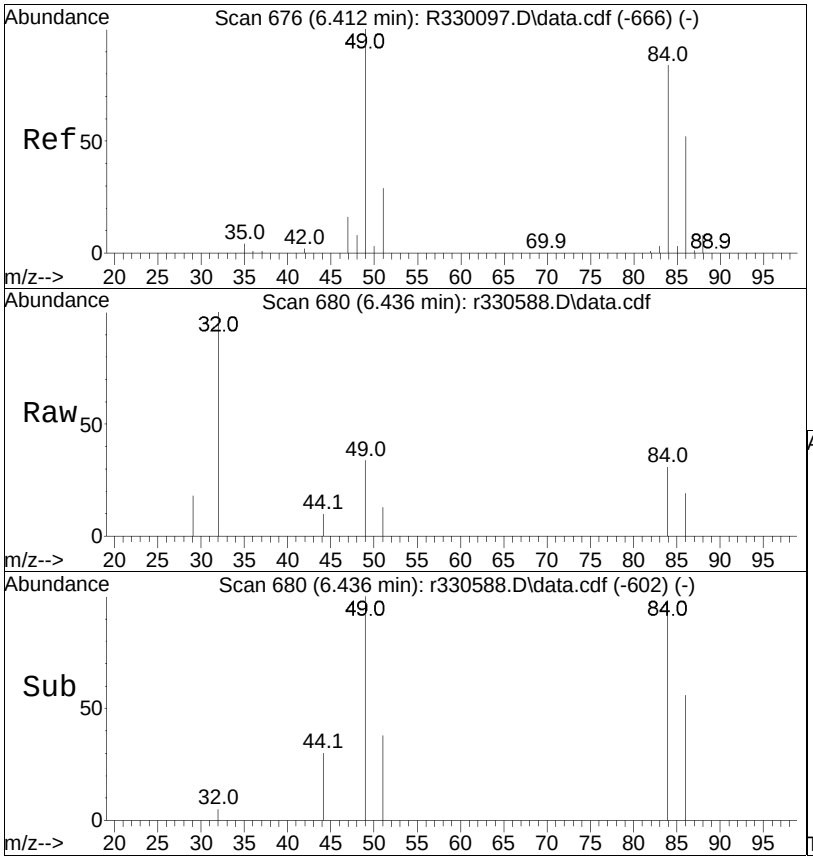


#22
isopropyl alcohol
Concen: 0.05 ppbV
RT: 5.737 min Scan# 498
Delta R.T. 0.074 min
Lab File: r330588.D
Acq: 24 Apr 2024 3:04 PM

Tgt Ion: 45 Resp: 2480

Ion	Ratio	Lower	Upper
45	100		
59	0.0	3.0	4.4#

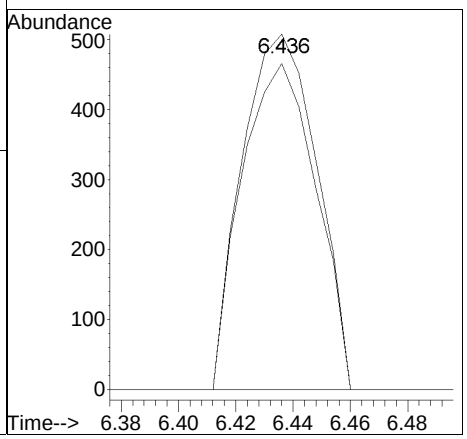




#28
methylene chloride
Concen: 0.03 ppbV
RT: 6.436 min Scan# 680
Delta R.T. 0.024 min
Lab File: r330588.D
Acq: 24 Apr 2024 3:04 PM

Tgt Ion: 49 Resp: 922

Ion	Ratio	Lower	Upper
49	100		
84	91.7	67.0	100.4



Manual Integration Report

Data Path	: O:\Forensics\Data\Airpiano	QMethod	: TFS3_240401.M
Data File	: r330588.D	Operator	: AIRPIANO3:KJD
Date Inj'd	: 4/24/2020 0:3: 4	Instrument	:
Sample	: WG1912849-4,3,250,250,,	Quant Date	: 4/25/2024 7:27 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330561.D
Acq On : 23 Apr 2024 1:44 PM
Operator : AIRPIANO3:JMB
Sample : WG1912266-3,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 23 14:50:45 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	bromochloromethane	10.000	10.000	0.0	109	0.00
2		chlorodifluoromethane	10.000	8.625	13.8	88	0.00
3		propylene	10.000	9.199	8.0	77	0.00
4		propane	10.000	9.789	2.1	92	0.00
5		dichlorodifluoromethane	10.000	9.005	9.9	80	0.00
6	C	chloromethane	10.000	7.140	28.6	65	0.00
7		Freon-114	10.000	8.924	10.8	78	0.00
8	C	methanol	50.000	40.742	18.5	79	0.00
9	C	vinyl chloride	10.000	9.955	0.4	89	0.00
10	C	1,3-butadiene	10.000	9.251	7.5	84	0.00
11		butane	10.000	6.707	32.9#	62	0.00
13	C	bromomethane	10.000	9.886	1.1	89	0.00
14	C	chloroethane	10.000	9.836	1.6	89	0.00
15		ethanol	50.000	46.789	6.4	85	0.00
16		dichlorofluoromethane	10.000	8.221	17.8	81	0.00
17	C	vinyl bromide	10.000	10.784	-7.8	103	0.00
18	C	acrolein	10.000	7.091	29.1	64	0.00
19		acetone	50.000	39.140	21.7	71	0.00
20	C	acetonitrile	10.000	6.641	33.6#	68	0.00
21		trichlorofluoromethane	10.000	10.484	-4.8	93	0.00
22		isopropyl alcohol	25.000	17.646	29.4	66	0.00
23	C	acrylonitrile	10.000	10.223	-2.2	93	0.00
24		pentane	10.000	7.321	26.8	67	0.00
25		ethyl ether	10.000	9.963	0.4	90	0.00
26	C	1,1-dichloroethene	10.000	9.704	3.0	89	-0.01
27		tertiary butyl alcohol	10.000	10.388	-3.9	93	0.00
28	C	methylene chloride	10.000	9.553	4.5	87	0.00
29	C	3-chloropropene	10.000	8.290	17.1	75	0.00
30	C	carbon disulfide	10.000	8.117	18.8	72	-0.01
31		Freon 113	10.000	10.150	-1.5	91	0.00
32		trans-1,2-dichloroethene	10.000	10.104	-1.0	91	0.00
33	C	1,1-dichloroethane	10.000	9.869	1.3	88	0.00
34	C	MTBE	10.000	8.647	13.5	78	0.00
35	C	vinyl acetate	10.000	6.782	32.2#	62	0.00
36	C	2-butanone	10.000	7.763	22.4	71	0.00
37		cis-1,2-dichloroethene	10.000	10.485	-4.8	93	0.00
38		Ethyl Acetate	10.000	10.880	-8.8	95	0.00
39	C	chloroform	10.000	9.763	2.4	87	0.00
40		Tetrahydrofuran	10.000	7.537	24.6	69	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330561.D
Acq On : 23 Apr 2024 1:44 PM
Operator : AIRPIANO3:JMB
Sample : WG1912266-3,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 23 14:50:45 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
41		2,2-dichloropropane	10.000	8.367	16.3	75	0.00
42	C	1,2-dichloroethane	10.000	9.882	1.2	90	0.00
43	I	1,4-difluorobenzene	10.000	10.000	0.0	101	0.00
44	C	hexane	10.000	11.809	-18.1	99	-0.02
45		diisopropyl ether	10.000	10.128	-1.3	75	0.00
46		tert-butyl ethyl ether	10.000	10.872	-8.7	91	-0.02
48	C	1,1,1-trichloroethane	10.000	11.174	-11.7	93	-0.02
49		1,1-dichloropropene	10.000	9.950	0.5	76	-0.01
50	C	benzene	10.000	8.718	12.8	74	-0.01
52	C	carbon tetrachloride	10.000	10.222	-2.2	83	-0.01
53		cyclohexane	10.000	11.881	-18.8	99	0.00
54		tert-amyl methyl ether	10.000	8.706	12.9	73	0.00
55		dibromomethane	10.000	10.972	-9.7	92	-0.01
56	C	1,2-dichloropropane	10.000	10.372	-3.7	86	-0.01
57		bromodichloromethane	10.000	10.766	-7.7	87	-0.01
58	C	1,4-dioxane	10.000	11.293	-12.9	95	0.00
59	C	trichloroethene	10.000	11.103	-11.0	92	-0.01
60	C	2,2,4-trimethylpentane	10.000	11.969	-19.7	102	-0.01
61		methyl methacrylate	10.000	9.284	7.2	76	-0.01
62		heptane	10.000	8.863	11.4	74	-0.01
63	C	cis-1,3-dichloropropene	10.000	9.327	6.7	76	0.00
64	C	4-methyl-2-pentanone	10.000	8.792	12.1	73	-0.02
65		trans-1,3-dichloropropene	10.000	9.635	3.7	76	0.00
66	C	1,1,2-trichloroethane	10.000	11.206	-12.1	92	0.00
67	I	chlorobenzene-D5	10.000	10.000	0.0	123	0.00
68	C	toluene	10.000	9.249	7.5	94	-0.02
71		1,3-dichloropropane	10.000	7.158	28.4	73	0.00
72		2-hexanone	10.000	7.419	25.8	72	0.00
74		dibromochloromethane	10.000	9.849	1.5	97	0.00
75	C	1,2-dibromoethane	10.000	8.381	16.2	83	-0.02
76		butyl acetate	10.000	7.010	29.9	72	0.00
77		octane	10.000	8.073	19.3	86	0.00
78	C	tetrachloroethene	10.000	8.968	10.3	89	0.00
79		1,1,1,2-tetrachloroethane	10.000	8.774	12.3	88	0.00
80	C	chlorobenzene	10.000	8.197	18.0	82	0.00
81	C	ethylbenzene	10.000	9.172	8.3	92	-0.02
83	C	m+p-xylene	20.000	18.821	5.9	94	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330561.D
Acq On : 23 Apr 2024 1:44 PM
Operator : AIRPIANO3:JMB
Sample : WG1912266-3,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 23 14:50:45 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
84	C	bromoform	10.000	10.174	-1.7	95	0.00
85	C	styrene	10.000	8.635	13.7	85	-0.02
86	C	1,1,2,2-tetrachloroethane	10.000	9.111	8.9	89	0.00
87	C	o-xylene	10.000	9.403	6.0	94	0.00
88		1,2,3-trichloropropane	10.000	7.436	25.6	75	0.00
89		nonane	10.000	6.913	30.9#	70	0.00
91	C	isopropylbenzene	10.000	8.334	16.7	83	0.00
92		bromobenzene	10.000	7.679	23.2	78	0.00
93		2-chlorotoluene	10.000	8.386	16.1	85	0.00
94		n-propylbenzene	10.000	8.368	16.3	84	0.00
95		4-chlorotoluene	10.000	8.779	12.2	90	0.00
96		4-ethyl toluene	10.000	8.472	15.3	83	0.00
97		1,3,5-trimethylbenzene	10.000	8.787	12.1	87	0.00
98		tert-butylbenzene	10.000	8.293	17.1	81	0.00
99		1,2,4-trimethylbenzene	10.000	8.792	12.1	86	0.00
100		decane	10.000	9.080	9.2	92	0.00
101	C	Benzyl Chloride	10.000	9.042	9.6	83	0.00
102		1,3-dichlorobenzene	10.000	9.561	4.4	90	0.00
103	C	1,4-dichlorobenzene	10.000	9.087	9.1	91	0.00
104		sec-butylbenzene	10.000	8.168	18.3	82	0.00
106		p-isopropyltoluene	10.000	7.916	20.8	79	0.00
107		1,2-dichlorobenzene	10.000	9.324	6.8	92	0.00
108		n-butylbenzene	10.000	9.169	8.3	91	0.00
111	C	1,2-dibromo-3-chloropropane	10.000	7.640	23.6	74	0.00
112		undecane	10.000	9.175	8.2	91	0.00
114		dodecane	10.000	9.167	8.3	86	0.00
115	C	1,2,4-trichlorobenzene	10.000	10.692	-6.9	96	0.00
116		naphthalene	10.000	9.254	7.5	88	0.00
117		1,2,3-trichlorobenzene	10.000	9.266	7.3	89	0.00
119	C	hexachlorobutadiene	10.000	10.200	-2.0	98	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 2

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330561.D
Acq On : 23 Apr 2024 1:44 PM
Operator : AIRPIANO3:JMB
Sample : WG1912266-3,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 23 14:50:45 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423T\r330561.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	8.808	49	361003	10.000	ppbV		0.00
Standard Area = 361003			Recovery = 100.00%				
43) 1,4-difluorobenzene	11.047	114	1163384	10.000	ppbV		0.00
Standard Area = 1163384			Recovery = 100.00%				
67) chlorobenzene-D5	15.808	54	169079	10.000	ppbV		0.00
Standard Area = 169079			Recovery = 100.00%				
System Monitoring Compounds							
Target Compounds							Qvalue
5) dichlorodifluoromethane	3.792	85	354353	9.005	ppbV		99
6) chloromethane	3.948	50	140432	7.140	ppbV		95
7) Freon-114	4.050	85	417265	8.924	ppbV		92
9) vinyl chloride	4.164	62	217470	9.955	ppbV		99
10) 1,3-butadiene	4.302	54	159586	9.251	ppbV		88
13) bromomethane	4.572	94	167341	9.886	ppbV		96
14) chloroethane	4.752	64	111034	9.836	ppbV		100
15) ethanol	4.878	31	577781	46.789	ppbV	#	76
17) vinyl bromide	5.124	106	143252	10.784	ppbV		98
19) acetone	5.383	43	1537794	39.140	ppbV	#	76
21) trichlorofluoromethane	5.573	101	419502	10.484	ppbV		98
22) isopropyl alcohol	5.660	45	924237	17.646	ppbV	#	96
26) 1,1-dichloroethene	6.262	61	353260	9.704	ppbV		97
27) tertiary butyl alcohol	6.310	59	540364	10.388	ppbV	#	90
28) methylene chloride	6.406	49	276085	9.553	ppbV		100
29) 3-chloropropene	6.538	41	378812	8.290	ppbV		97
30) carbon disulfide	6.700	76	729887	8.117	ppbV		98
31) Freon 113	6.706	101	479621	10.150	ppbV		97
32) trans-1,2-dichloroethene	7.450	61	404198	10.104	ppbV		99
33) 1,1-dichloroethane	7.675	63	515787	9.869	ppbV		98
34) MTBE	7.742	73	677350	8.647	ppbV	#	93
36) 2-butanone	8.117	43	521604	7.763	ppbV	#	96
37) cis-1,2-dichloroethene	8.625	61	387979	10.485	ppbV		99
38) Ethyl Acetate	8.900	61	109469	10.880	ppbV	#	42
39) chloroform	8.967	83	434436	9.763	ppbV		96
40) Tetrahydrofuran	9.400	42	326942	7.537	ppbV		95
42) 1,2-dichloroethane	9.800	62	282214	9.882	ppbV		98
44) hexane	8.875	57	515394	11.809	ppbV	#	49

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330561.D
Acq On : 23 Apr 2024 1:44 PM
Operator : AIRPIANO3:JMB
Sample : WG1912266-3,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 23 14:50:45 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423T\r330561.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,1-trichloroethane	10.083	97	391368	11.174	ppbV		98
50) benzene	10.613	78	860777	8.718	ppbV	#	92
52) carbon tetrachloride	10.787	117	326595	10.222	ppbV		100
53) cyclohexane	10.933	56	550471	11.881	ppbV	#	85
56) 1,2-dichloropropane	11.567	63	357864	10.372	ppbV		96
57) bromodichloromethane	11.793	83	454872	10.766	ppbV		97
58) 1,4-dioxane	11.840	88	219124	11.293	ppbV		94
59) trichloroethene	11.847	130	381513	11.103	ppbV		99
60) 2,2,4-trimethylpentane	11.893	57	1690662	11.969	ppbV	#	89
62) heptane	12.213	43	560967	8.863	ppbV	#	80
63) cis-1,3-dichloropropene	12.867	75	462064	9.327	ppbV		99
64) 4-methyl-2-pentanone	12.900	43	656205	8.792	ppbV	#	81
65) trans-1,3-dichloropropene	13.492	75	363484	9.635	ppbV		98
66) 1,1,2-trichloroethane	13.692	97	361025	11.206	ppbV		96
68) toluene	14.017	91	1113768	9.249	ppbV		99
72) 2-hexanone	14.317	43	600402	7.419	ppbV	#	78
74) dibromochloromethane	14.475	129	476134	9.849	ppbV		99
75) 1,2-dibromoethane	14.725	107	498979	8.381	ppbV		99
78) tetrachloroethene	15.200	166	485605	8.968	ppbV		97
80) chlorobenzene	15.850	112	851710	8.197	ppbV		98
81) ethylbenzene	16.200	91	1388415	9.172	ppbV		93
83) m+p-xylene	16.367	91	2284965	18.821	ppbV		92
84) bromoform	16.433	173	477675	10.174	ppbV		99
85) styrene	16.692	104	945971	8.635	ppbV		99
86) 1,1,2,2-tetrachloroethane	16.792	83	792625	9.111	ppbV		98
87) o-xylene	16.792	91	1131125	9.403	ppbV		92
96) 4-ethyl toluene	17.867	105	1516892	8.472	ppbV		97
97) 1,3,5-trimethylbenzene	17.933	105	1369896	8.787	ppbV		99
99) 1,2,4-trimethylbenzene	18.275	105	1315424	8.792	ppbV		98
101) Benzyl Chloride	18.400	91	855835	9.042	ppbV		100
102) 1,3-dichlorobenzene	18.408	146	952185	9.561	ppbV		96
103) 1,4-dichlorobenzene	18.467	146	905769	9.087	ppbV		96
107) 1,2-dichlorobenzene	18.750	146	900350	9.324	ppbV		93
115) 1,2,4-trichlorobenzene	20.225	180	880077	10.692	ppbV		98
116) naphthalene	20.333	128	1765582	9.254	ppbV		99
119) hexachlorobutadiene	20.650	225	781305	10.200	ppbV		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330561.D
Acq On : 23 Apr 2024 1:44 PM
Operator : AIRPIANO3:JMB
Sample : WG1912266-3,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 23 14:50:45 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

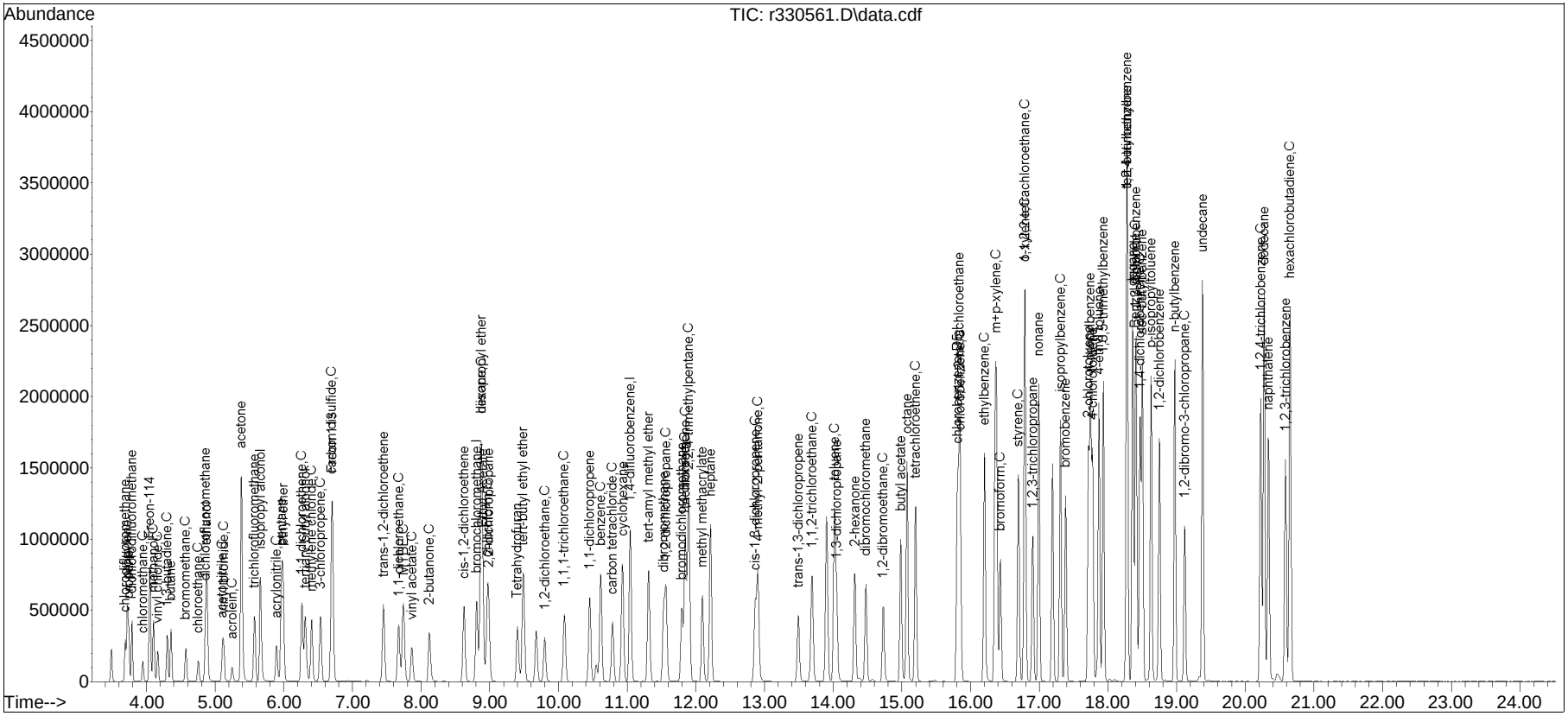
CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423T\r330561.D
Sub List : Default-LCS-AP2 - All compounds listed

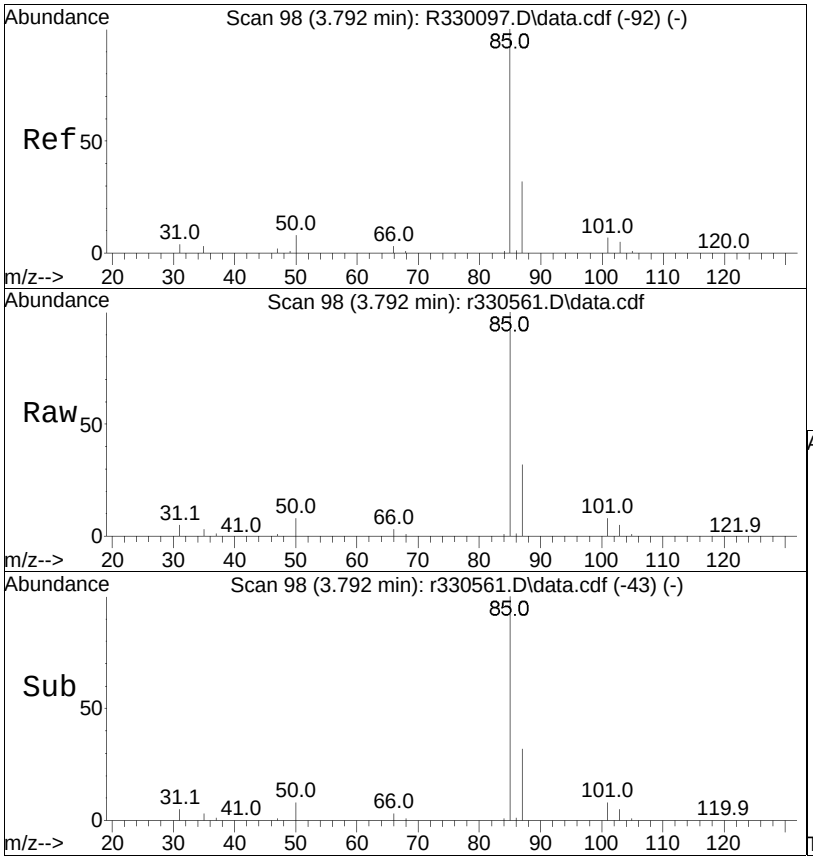
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : Default-LCS-AP2 - All compounds listed23T\r330561.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330561.D
Acq On : 23 Apr 2024 1:44 PM
Operator : AIRPIANO3:JMB
Sample : WG1912266-3,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 23 14:50:45 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

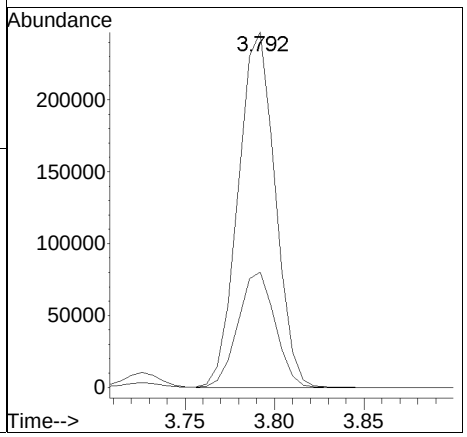


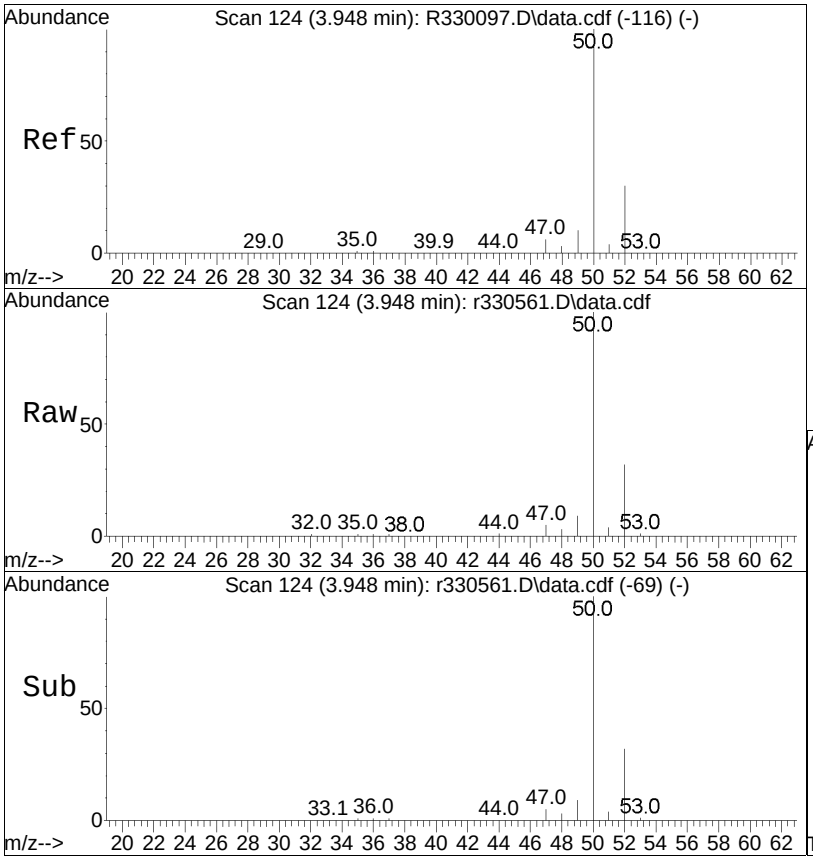


#5
dichlorodifluoromethane
Concen: 9.01 ppbV
RT: 3.792 min Scan# 98
Delta R.T. 0.000 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 85 Resp: 354353

Ion	Ratio	Lower	Upper
85	100		
87	32.5	25.4	38.2

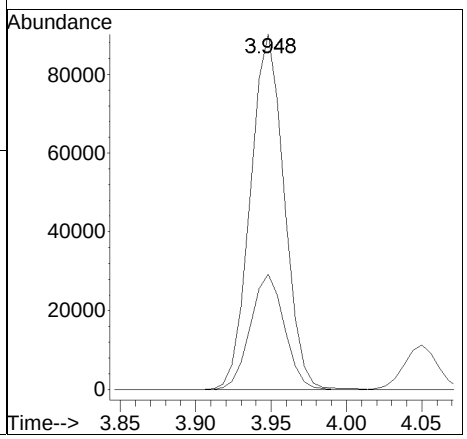


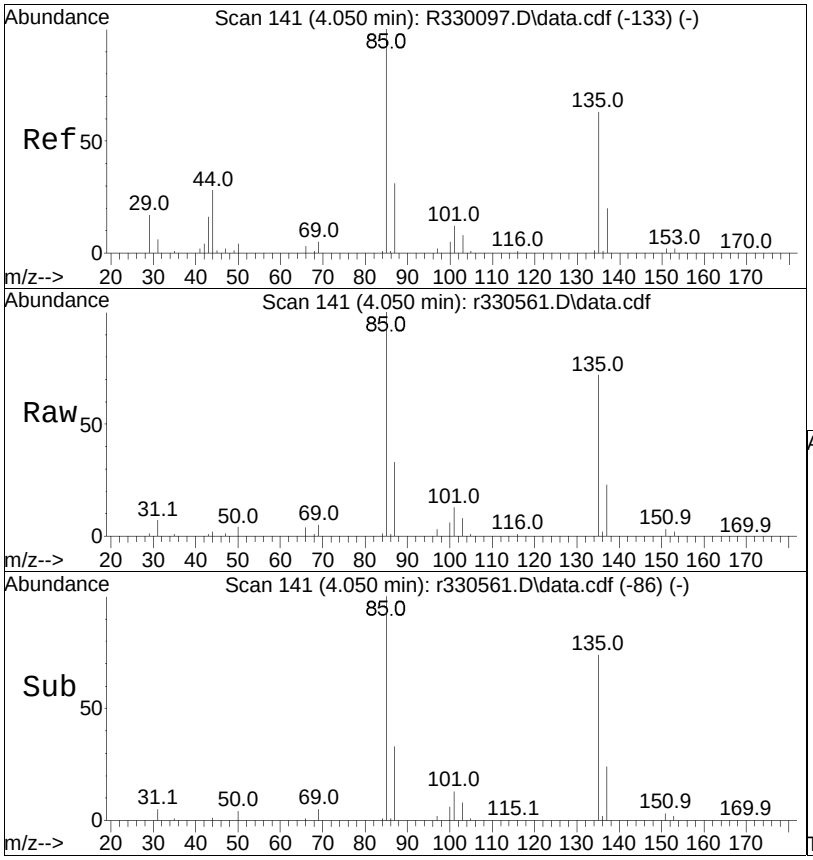


#6
chloromethane
Concen: 7.14 ppbV
RT: 3.948 min Scan# 124
Delta R.T. 0.000 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 50 Resp: 140432

Ion	Ratio	Lower	Upper
50	100		
52	32.5	24.0	36.0

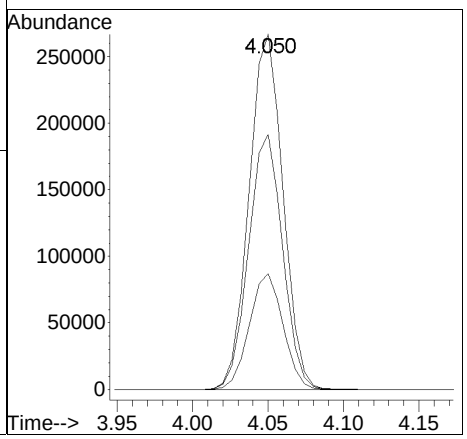


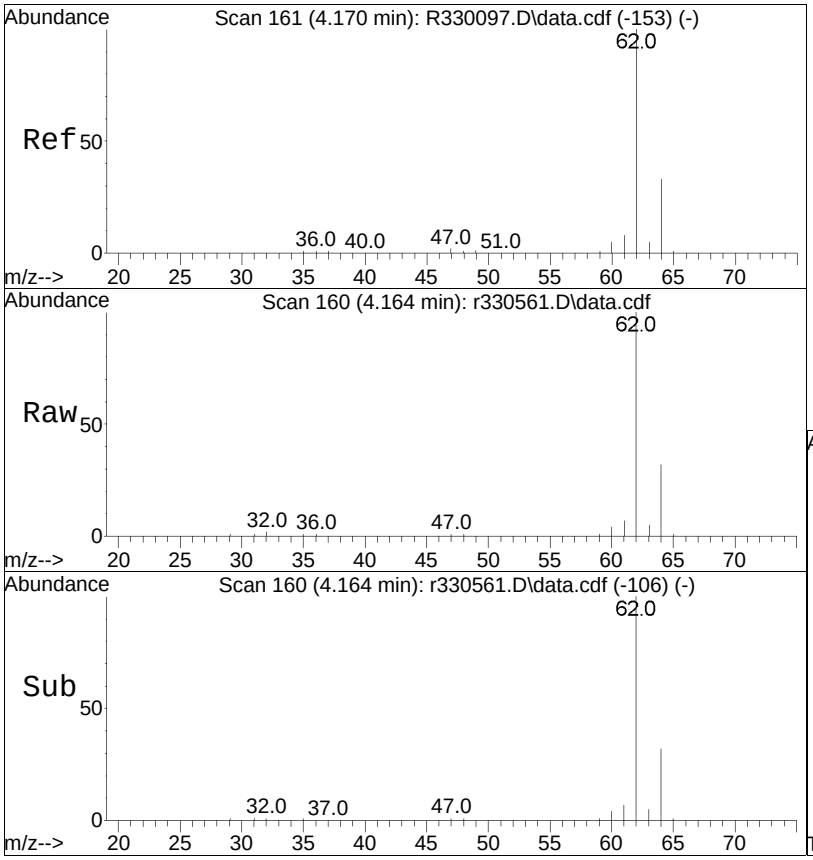


#7
Freon-114
Concen: 8.92 ppbV
RT: 4.050 min Scan# 141
Delta R.T. 0.000 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 85 Resp: 417265

Ion	Ratio	Lower	Upper
85	100		
87	32.6	24.9	37.3
135	71.8	50.5	75.7

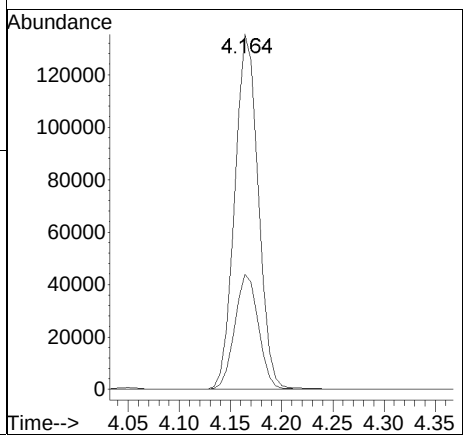


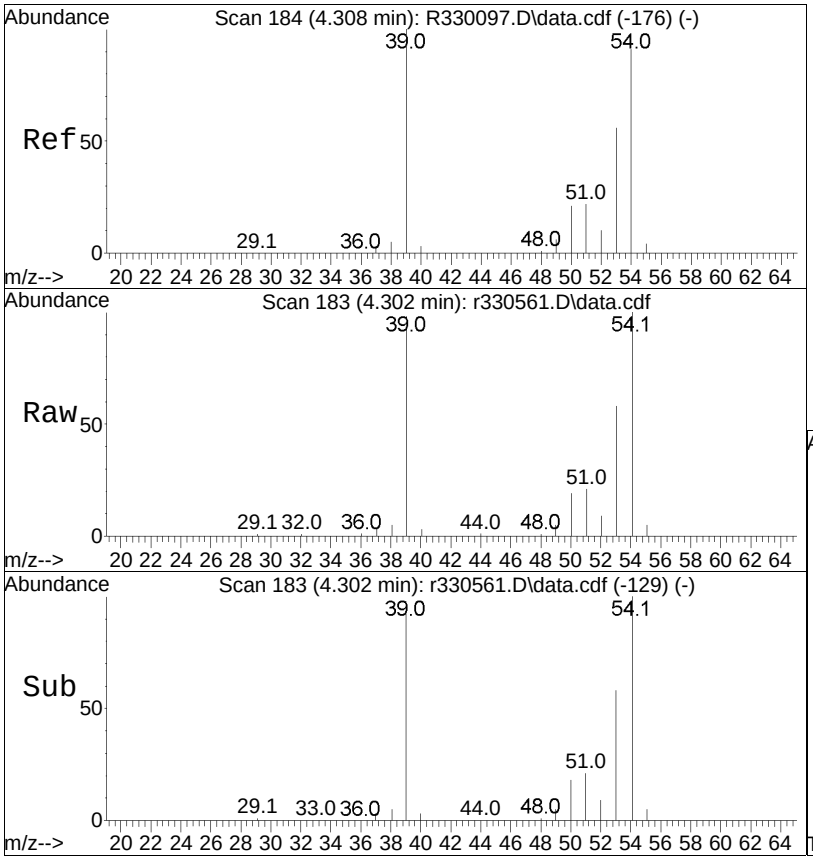


#9
vinyl chloride
Concen: 9.95 ppbV
RT: 4.164 min Scan# 160
Delta R.T. -0.006 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 62 Resp: 217470

Ion	Ratio	Lower	Upper
62	100		
64	32.5	26.4	39.6

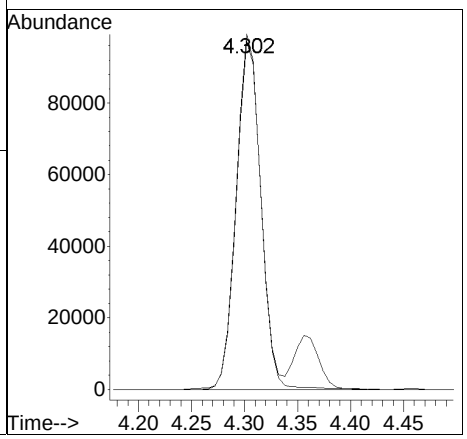


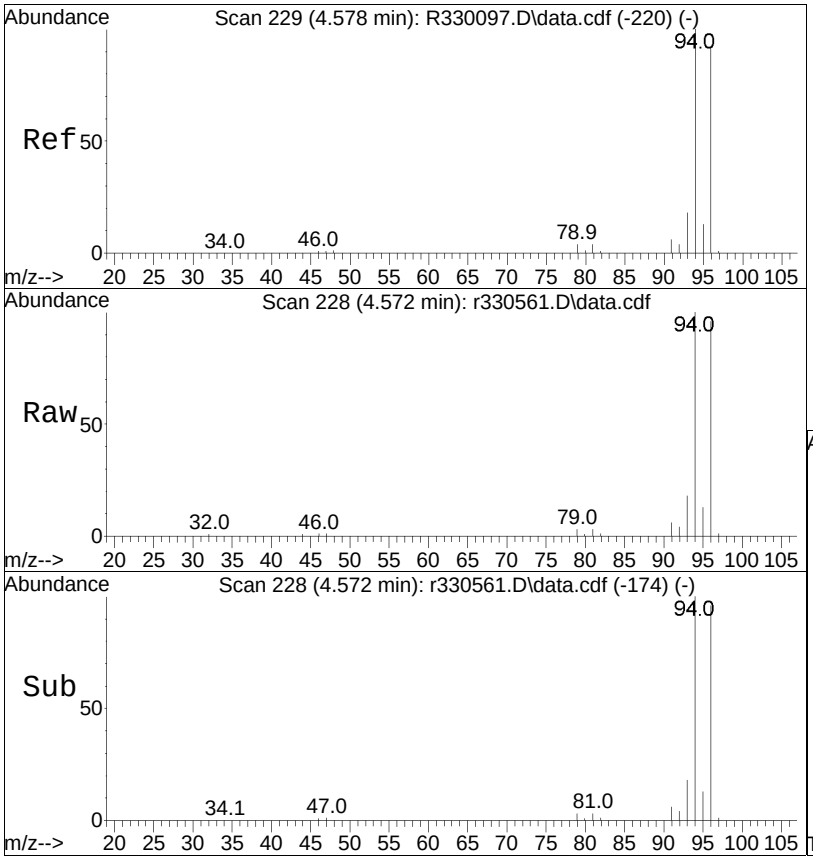


#10
1,3-butadiene
Concen: 9.25 ppbV
RT: 4.302 min Scan# 183
Delta R.T. -0.006 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 54 Resp: 159586

Ion	Ratio	Lower	Upper
54	100		
39	98.1	88.2	132.4

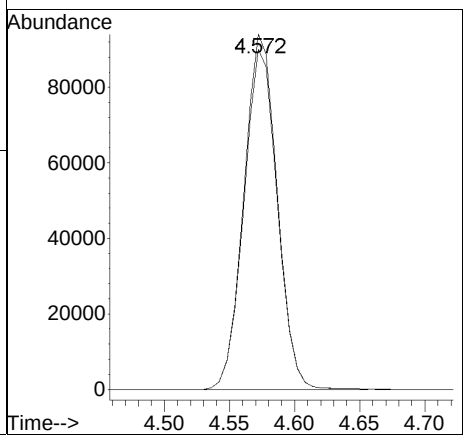


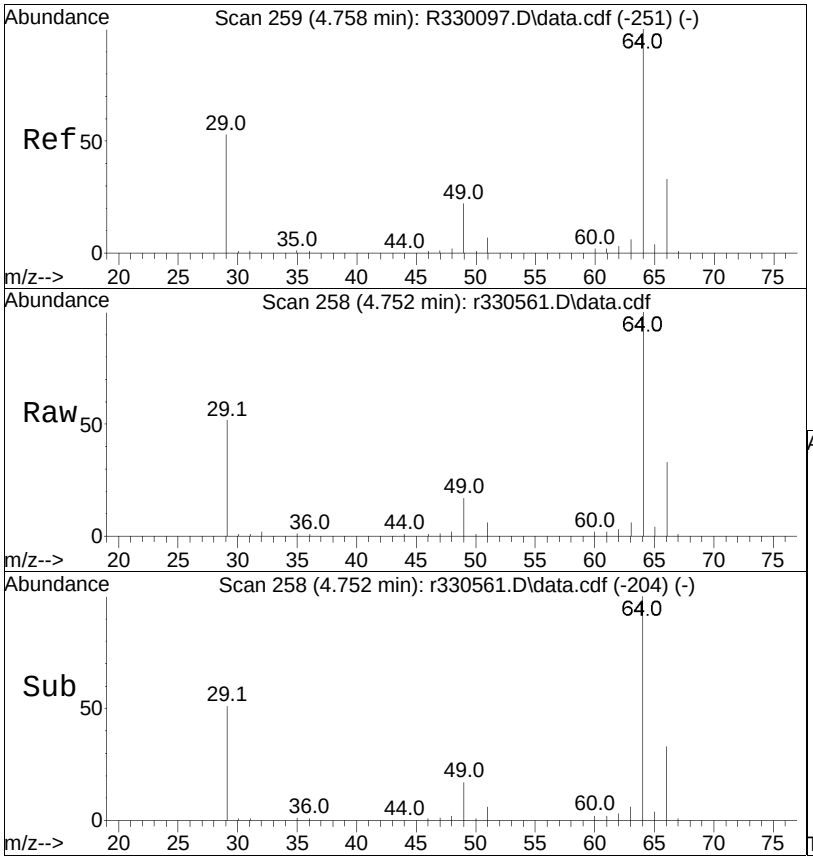


#13
bromomethane
Concen: 9.89 ppbV
RT: 4.572 min Scan# 228
Delta R.T. -0.006 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 94 Resp: 167341

Ion	Ratio	Lower	Upper
94	100		
96	95.7	73.8	110.8

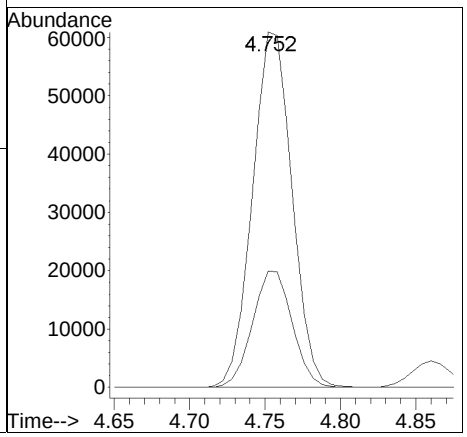


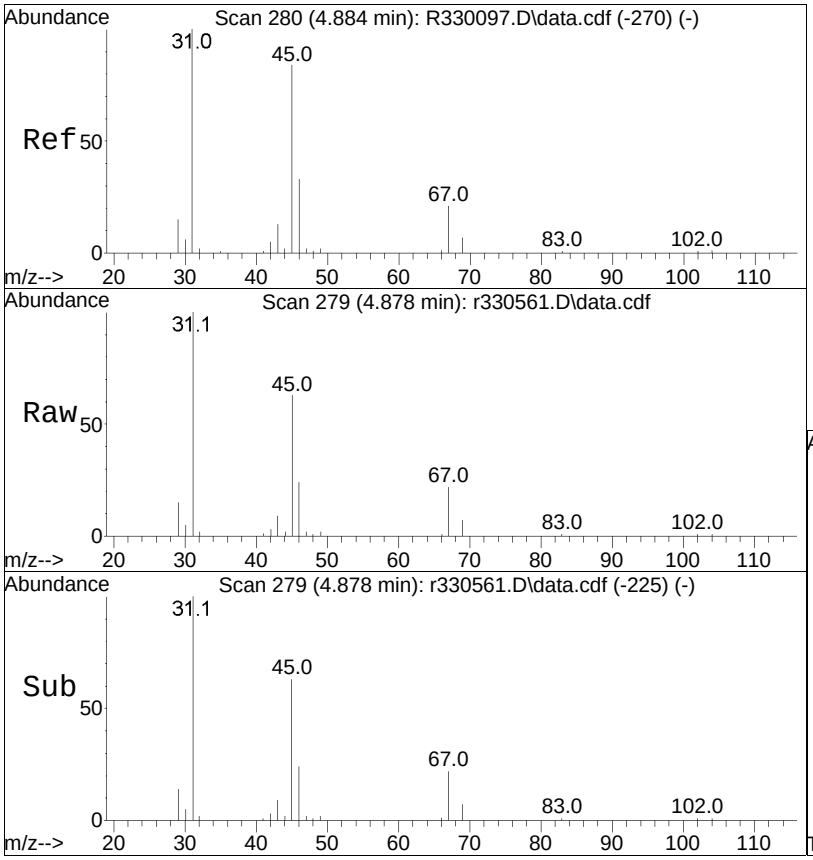


#14
chloroethane
Concen: 9.84 ppbV
RT: 4.752 min Scan# 258
Delta R.T. -0.006 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 64 Resp: 111034

Ion	Ratio	Lower	Upper
64	100		
66	32.8	26.2	39.2

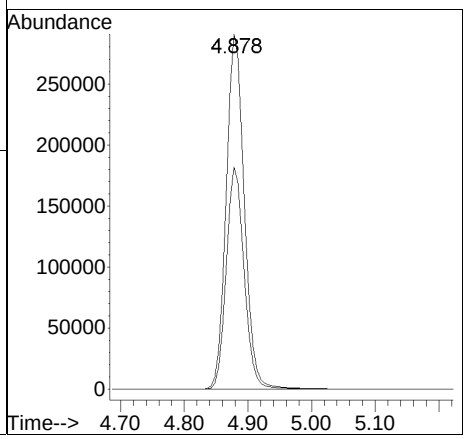


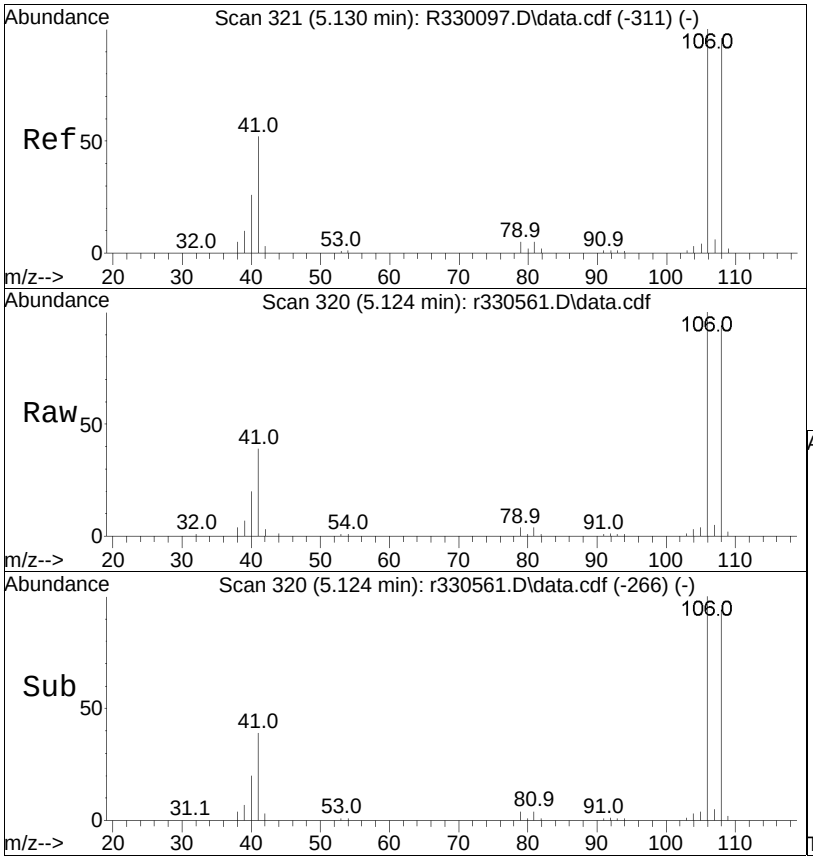


#15
ethanol
Concen: 46.79 ppbV
RT: 4.878 min Scan# 279
Delta R.T. -0.006 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 31 Resp: 577781

Ion	Ratio	Lower	Upper
31	100		
45	62.6	67.5	101.3#

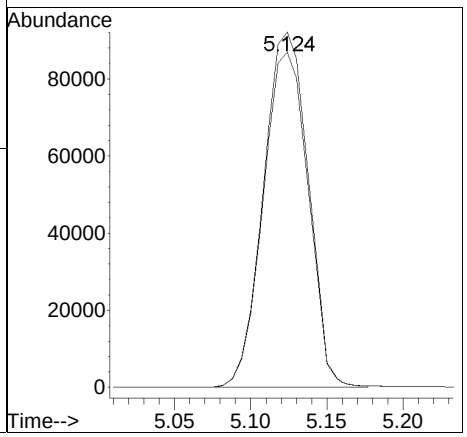


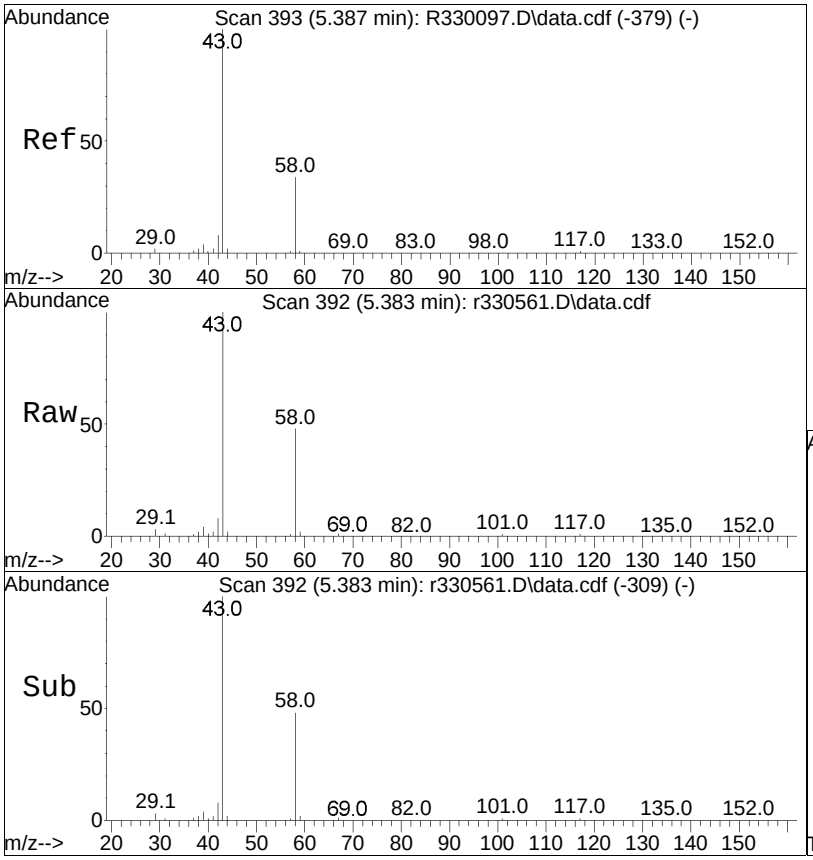


#17
vinyl bromide
Concen: 10.78 ppbV
RT: 5.124 min Scan# 320
Delta R.T. -0.006 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion:106 Resp: 143252

Ion	Ratio	Lower	Upper
106	100		
108	94.3	77.1	115.7

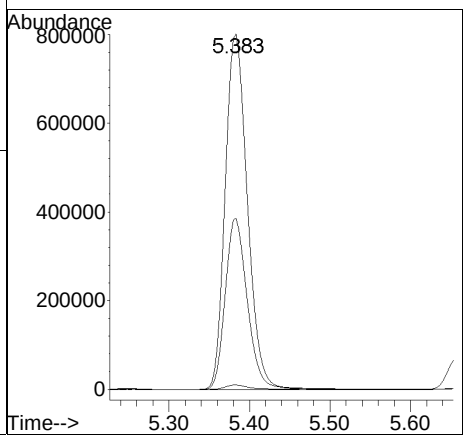


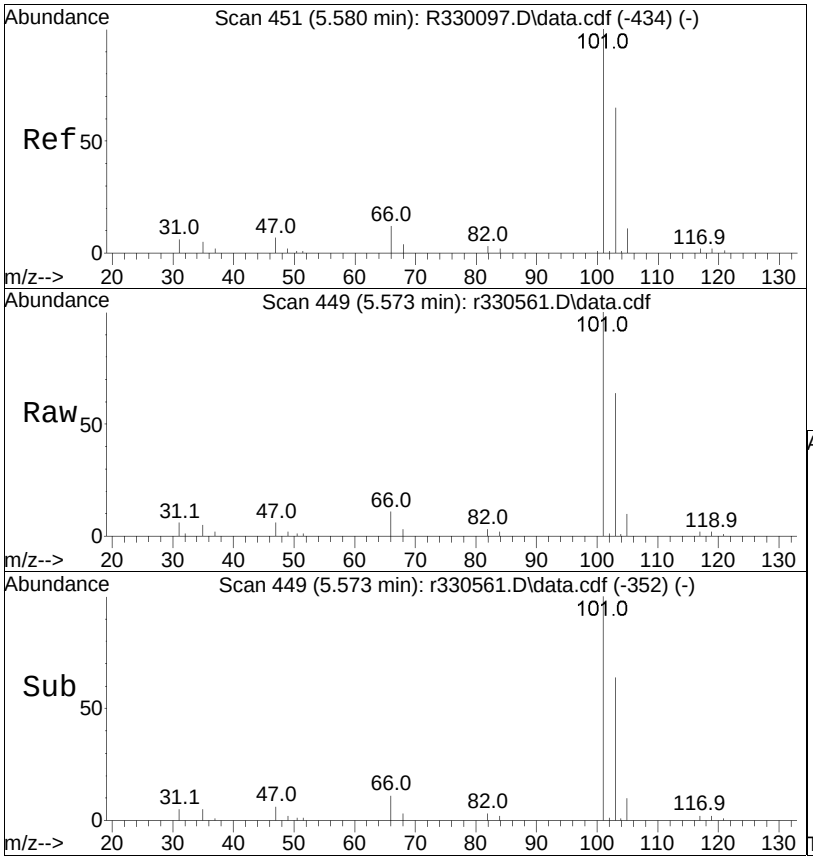


#19
acetone
Concen: 39.14 ppbV
RT: 5.383 min Scan# 392
Delta R.T. -0.004 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 43 Resp: 1537794

Ion	Ratio	Lower	Upper
43	100		
58	48.2	27.3	40.9#
57	1.3	0.8	1.2#

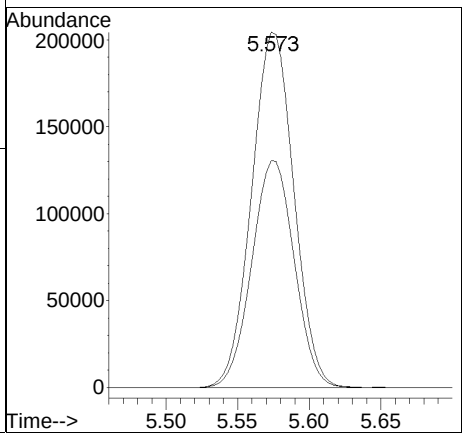


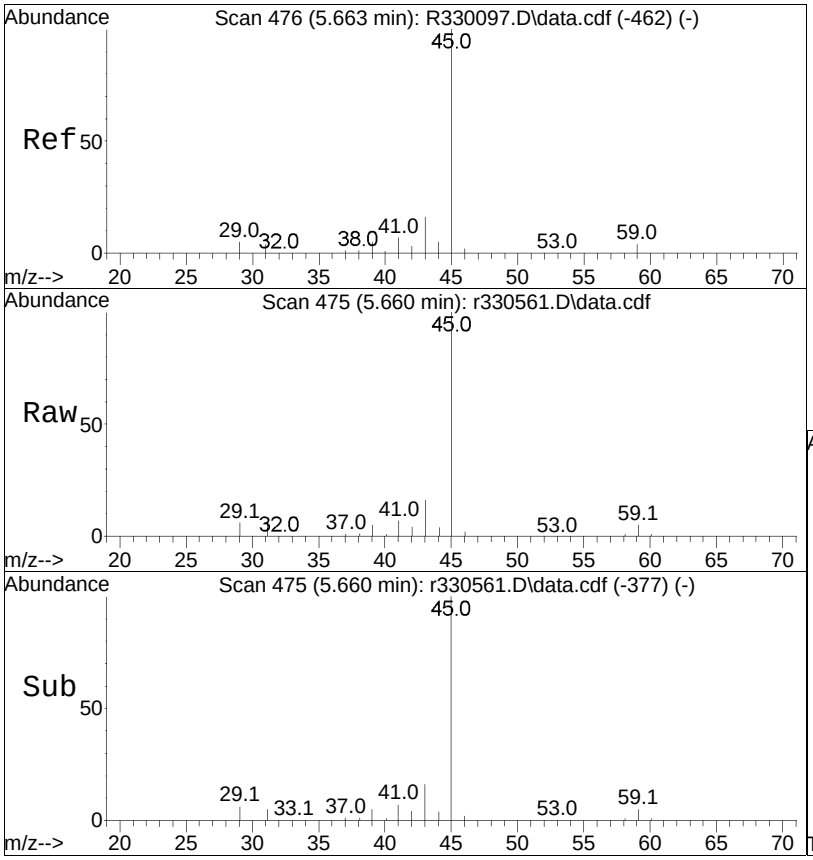


#21
trichlorofluoromethane
Concen: 10.48 ppbV
RT: 5.573 min Scan# 449
Delta R.T. -0.007 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion:101 Resp: 419502

Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.0	78.0

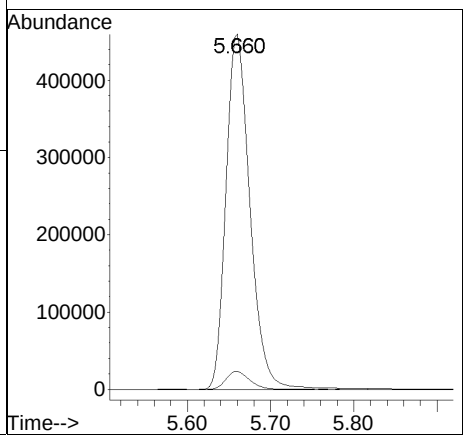


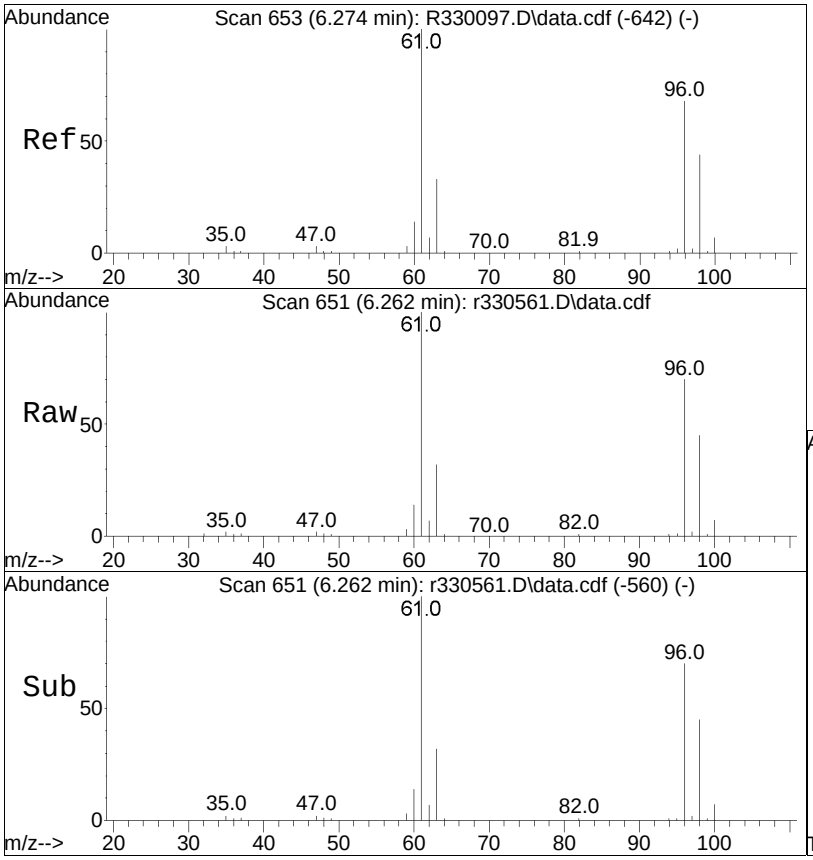


#22
isopropyl alcohol
Concen: 17.65 ppbV
RT: 5.660 min Scan# 475
Delta R.T. -0.003 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 45 Resp: 924237

Ion	Ratio	Lower	Upper
45	100		
59	5.1	3.0	4.4#

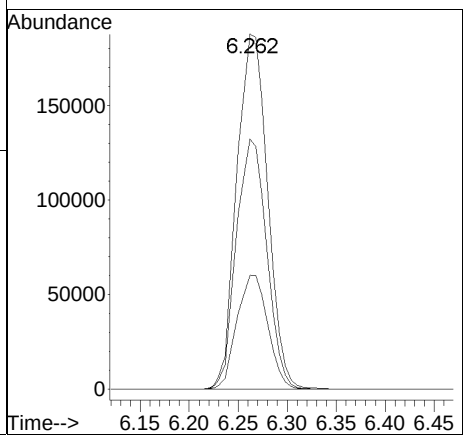


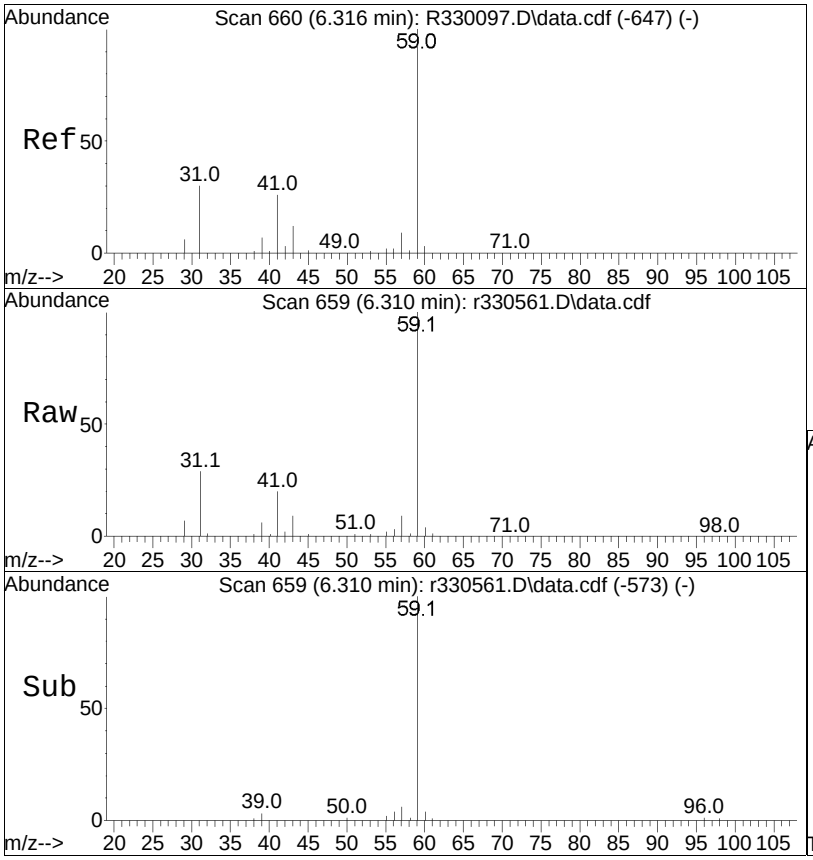


#26
1,1-dichloroethene
Concen: 9.70 ppbV
RT: 6.262 min Scan# 651
Delta R.T. -0.012 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 61 Resp: 353260

Ion	Ratio	Lower	Upper
61	100		
96	70.5	54.2	81.2
63	32.1	26.5	39.7

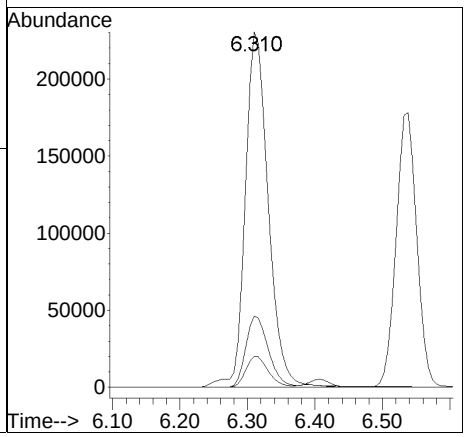


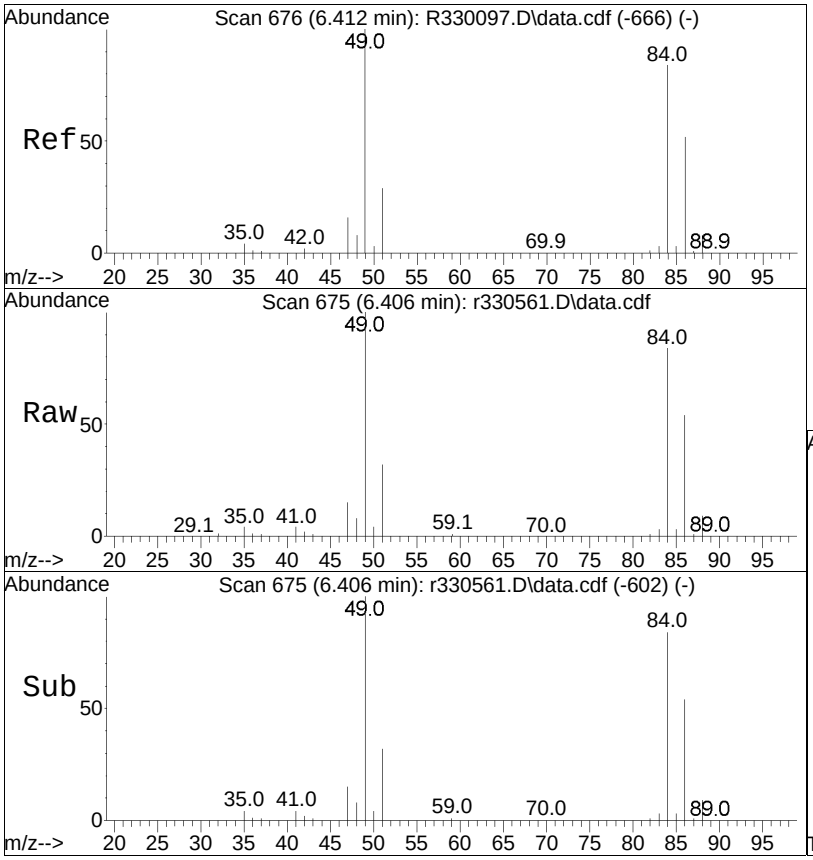


#27
tertiary butyl alcohol
Concen: 10.39 ppbV
RT: 6.310 min Scan# 659
Delta R.T. -0.006 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 59 Resp: 540364

Ion	Ratio	Lower	Upper
59	100		
41	20.1	20.4	30.6#
43	8.8	9.4	14.0#

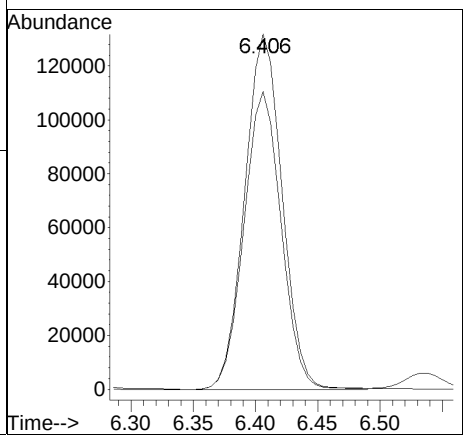


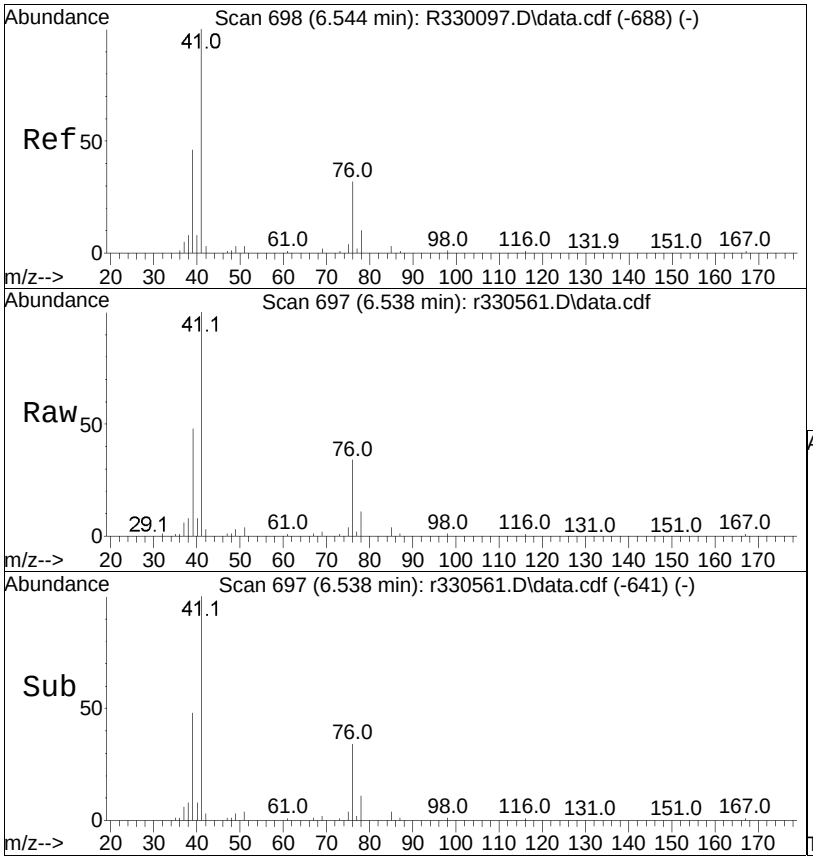


#28
methylene chloride
Concen: 9.55 ppbV
RT: 6.406 min Scan# 675
Delta R.T. -0.006 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 49 Resp: 276085

Ion	Ratio	Lower	Upper
49	100		
84	83.8	67.0	100.4

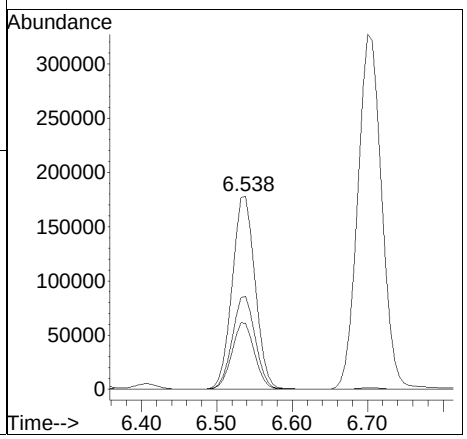


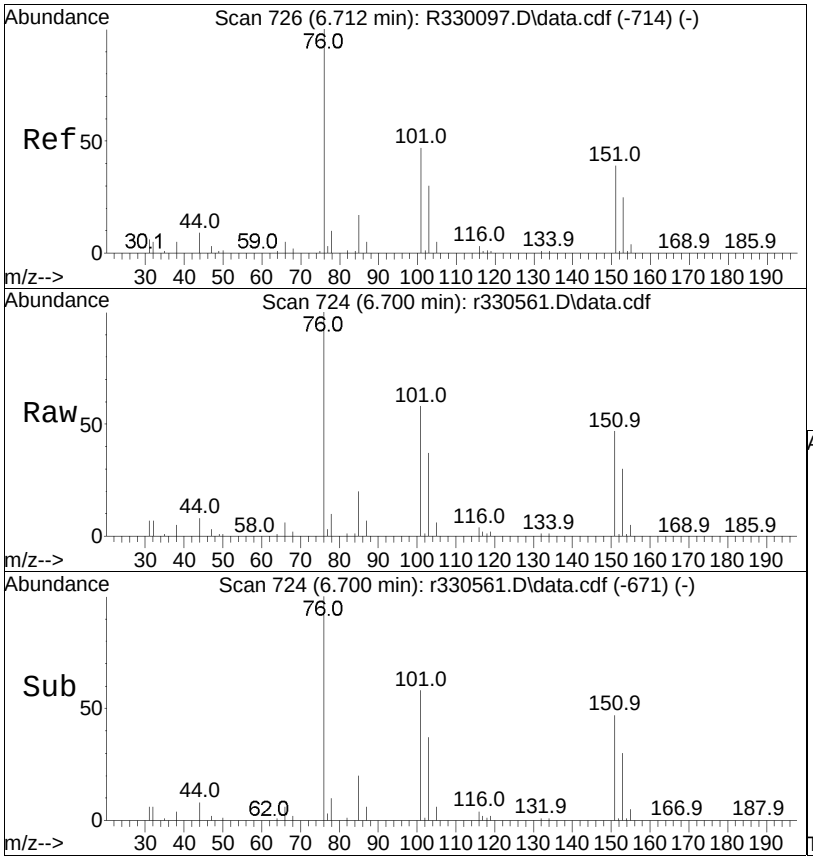


#29
3-chloropropene
Concen: 8.29 ppbV
RT: 6.538 min Scan# 697
Delta R.T. -0.006 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 41 Resp: 378812

Ion	Ratio	Lower	Upper
41	100		
39	48.1	37.0	55.6
76	34.1	25.4	38.2

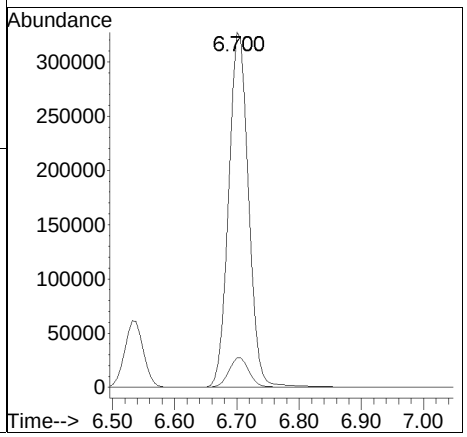


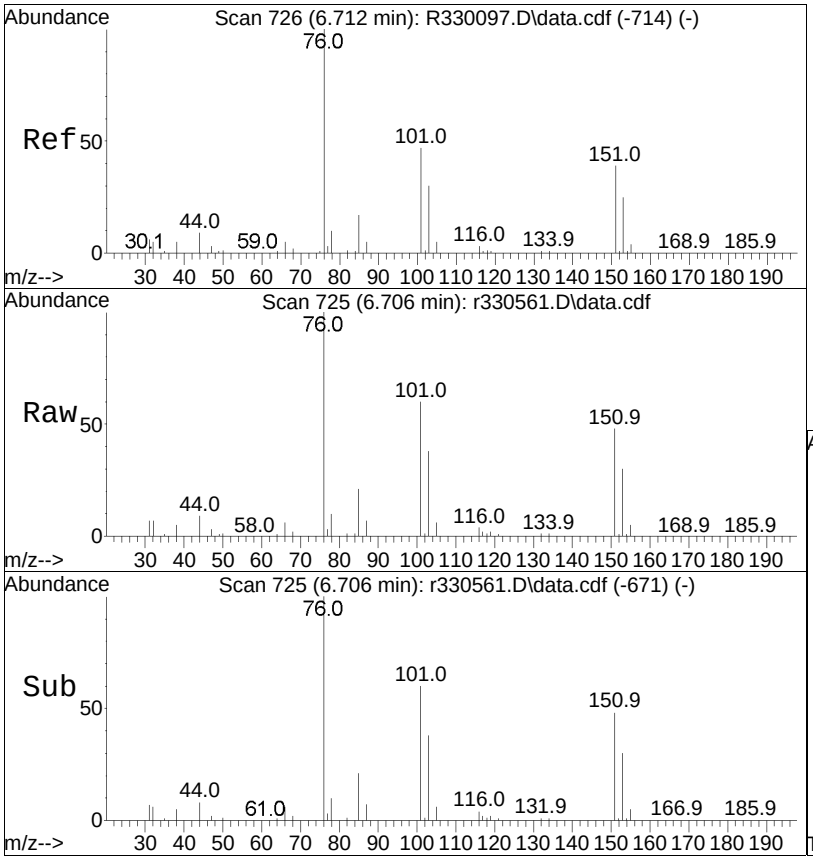


#30
carbon disulfide
Concen: 8.12 ppbV
RT: 6.700 min Scan# 724
Delta R.T. -0.012 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 76 Resp: 729887

Ion	Ratio	Lower	Upper
76	100		
44	8.3	7.1	10.7

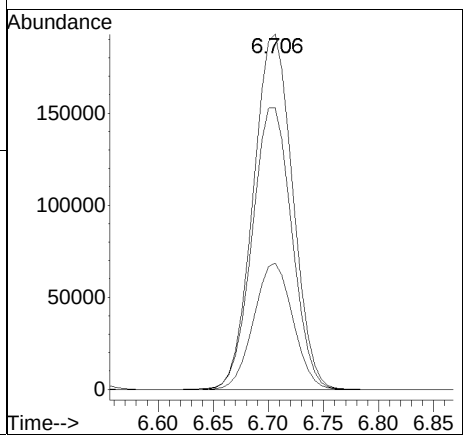


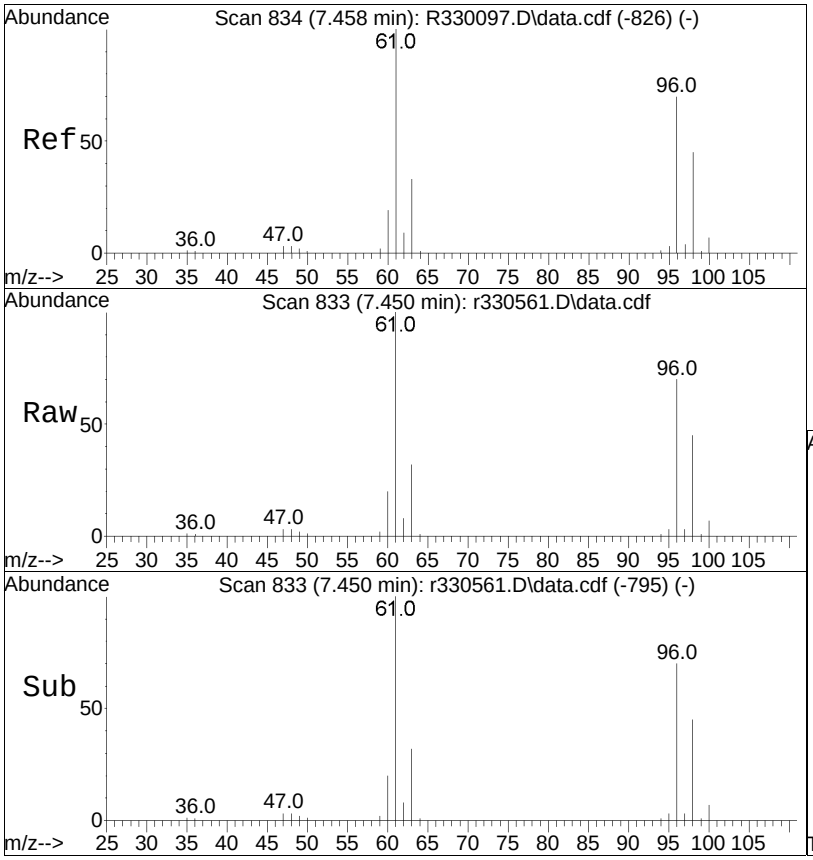


#31
Freon 113
Concen: 10.15 ppbV
RT: 6.706 min Scan# 725
Delta R.T. -0.006 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion:101 Resp: 479621

Ion	Ratio	Lower	Upper
101	100		
85	35.6	28.5	42.7
151	79.2	66.9	100.3

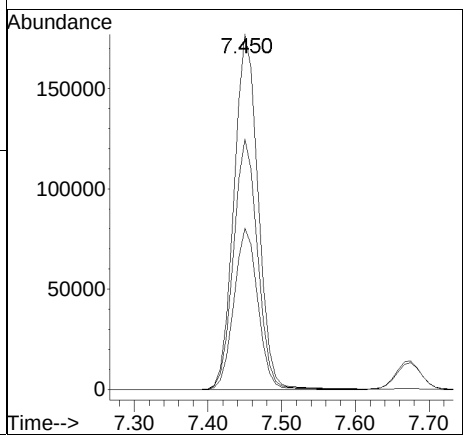


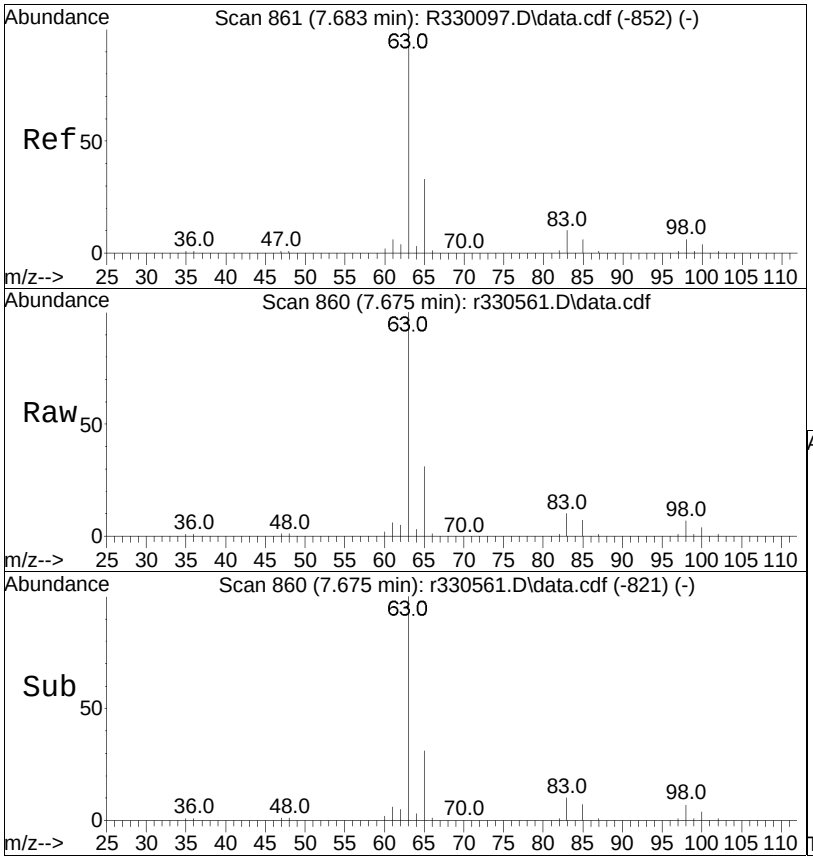


#32
trans-1,2-dichloroethene
Concen: 10.10 ppbV
RT: 7.450 min Scan# 833
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 61 Resp: 404198

Ion	Ratio	Lower	Upper
61	100		
96	70.5	55.8	83.8
98	45.4	36.4	54.6

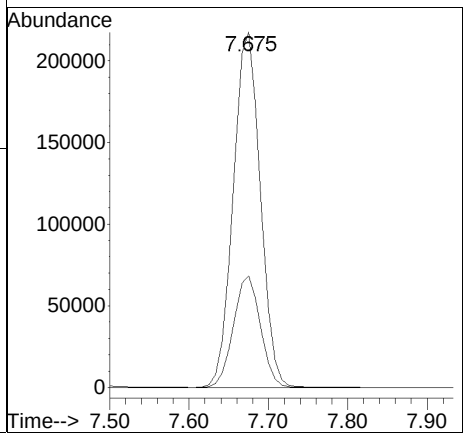


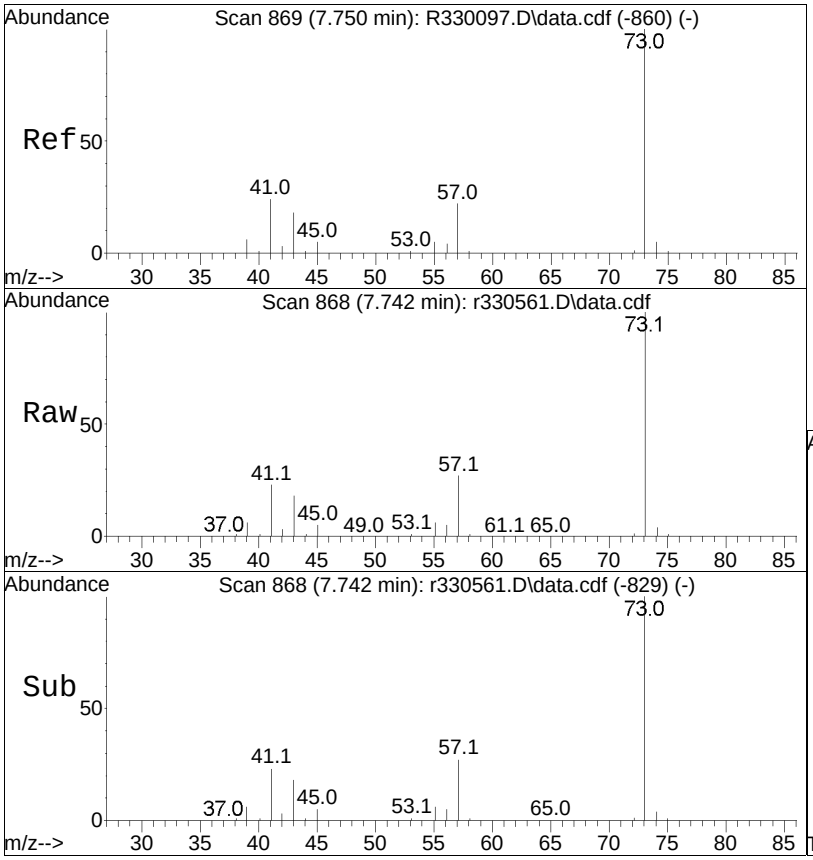


#33
1,1-dichloroethane
Concen: 9.87 ppbV
RT: 7.675 min Scan# 860
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 63 Resp: 515787

Ion	Ratio	Lower	Upper
63	100		
65	31.4	26.2	39.4

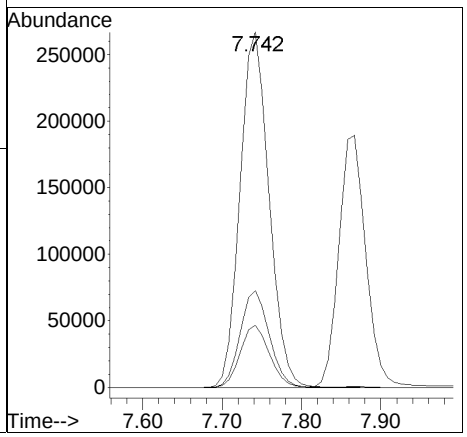


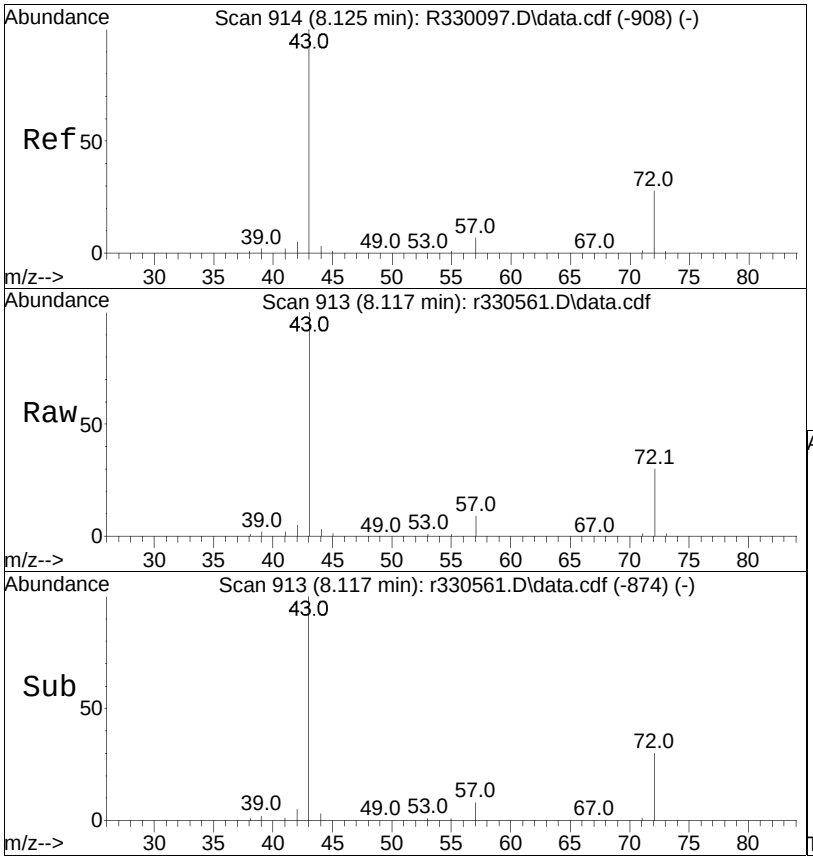


#34
MTBE
Concen: 8.65 ppbV
RT: 7.742 min Scan# 868
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 73 Resp: 677350

Ion	Ratio	Lower	Upper
73	100		
57	27.3	17.3	25.9#
43	17.5	14.6	21.8

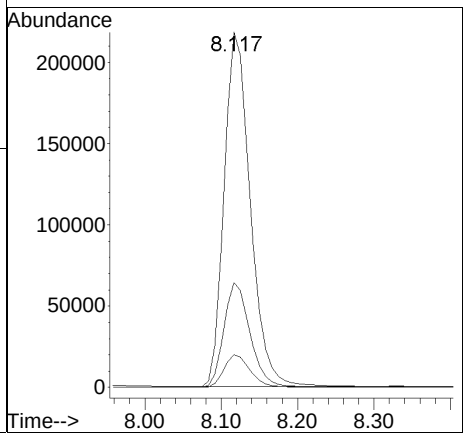


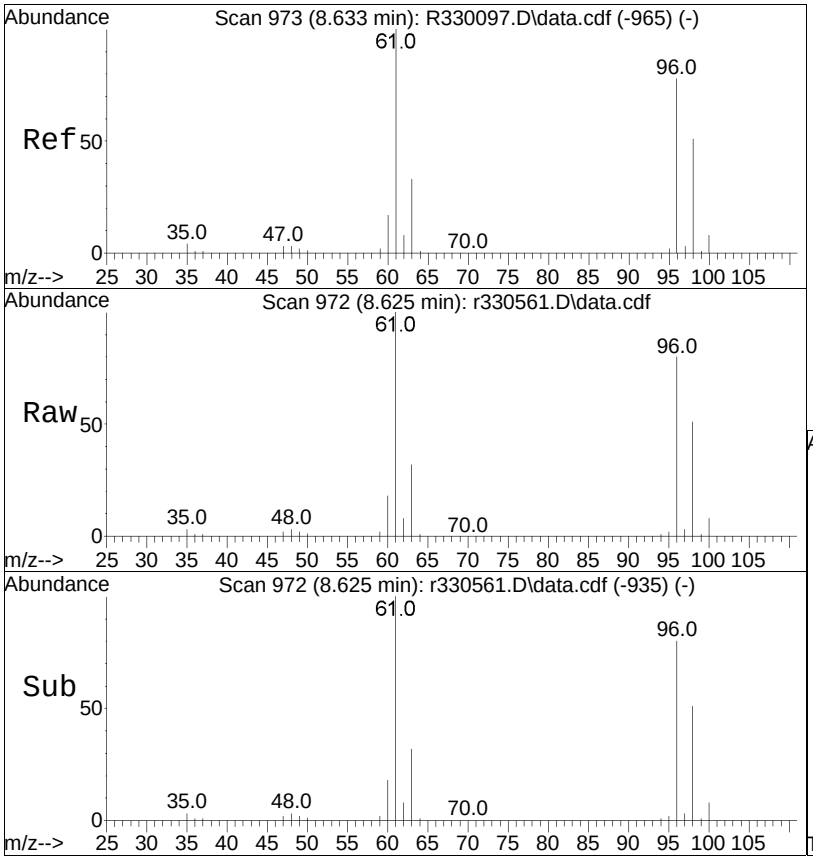


#36
2-butanone
Concen: 7.76 ppbV
RT: 8.117 min Scan# 913
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 43 Resp: 521604

Ion	Ratio	Lower	Upper
43	100		
72	29.5	22.1	33.1
57	9.2	5.3	7.9#

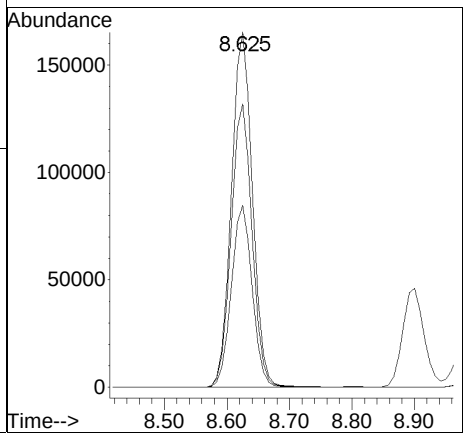


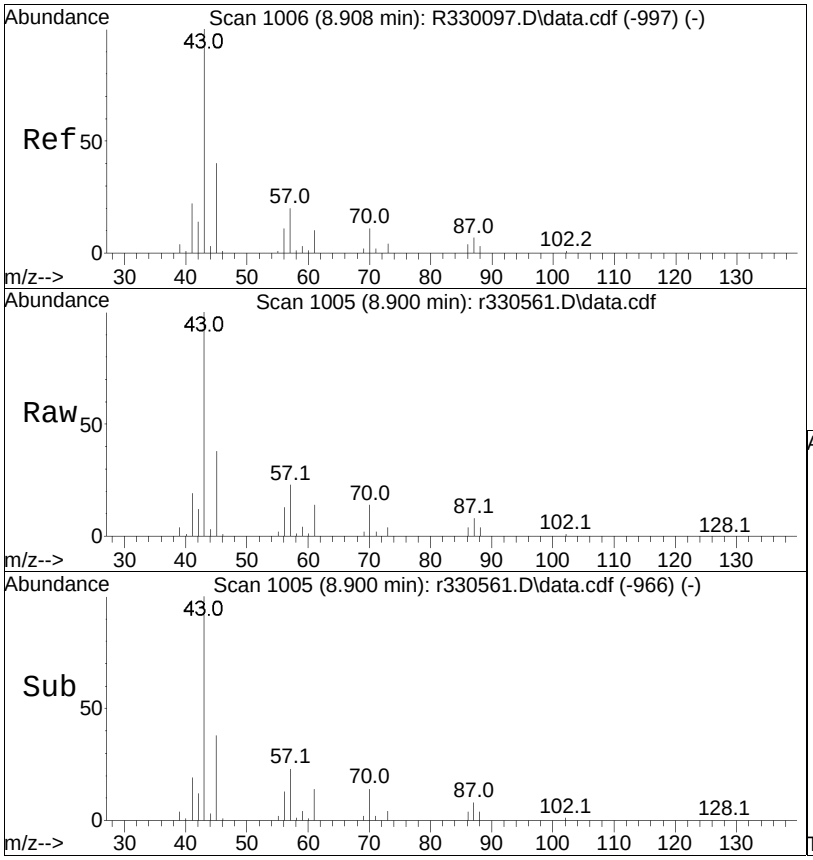


#37
cis-1,2-dichloroethene
Concen: 10.49 ppbV
RT: 8.625 min Scan# 972
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 61 Resp: 387979

Ion	Ratio	Lower	Upper
61	100		
96	79.8	62.6	94.0
98	51.2	40.7	61.1

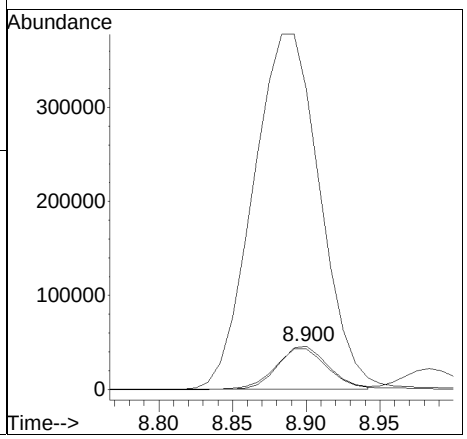


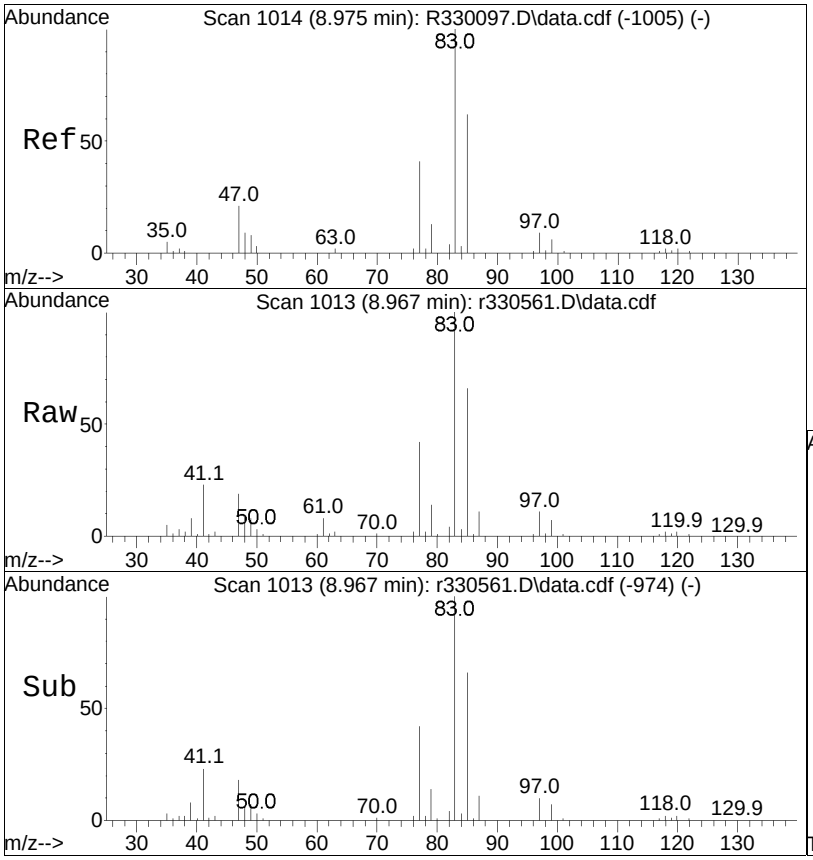


#38
Ethyl Acetate
Concen: 10.88 ppbV
RT: 8.900 min Scan# 1005
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 61 Resp: 109469

Ion	Ratio	Lower	Upper
61	100		
70	93.5	87.4	131.0
43	691.7	771.8	1157.6#

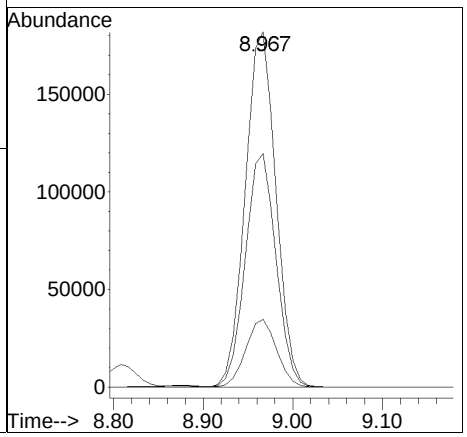


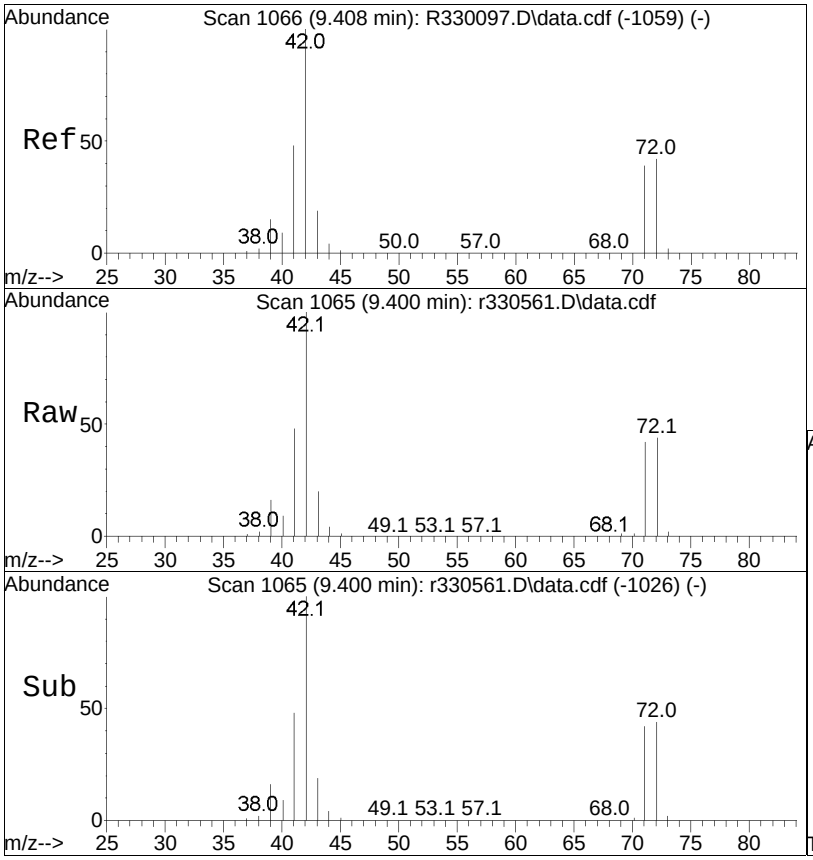


#39
chloroform
Concen: 9.76 ppbV
RT: 8.967 min Scan# 1013
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 83 Resp: 434436

Ion	Ratio	Lower	Upper
83	100		
85	65.8	49.8	74.8
47	19.1	16.8	25.2

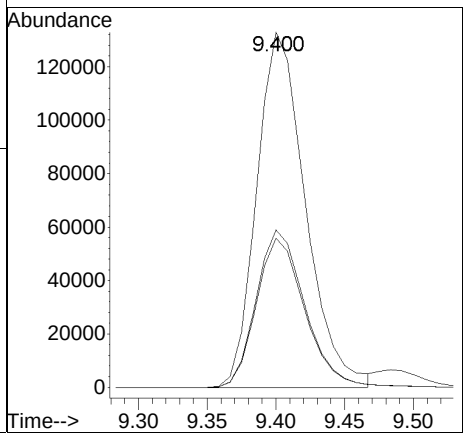


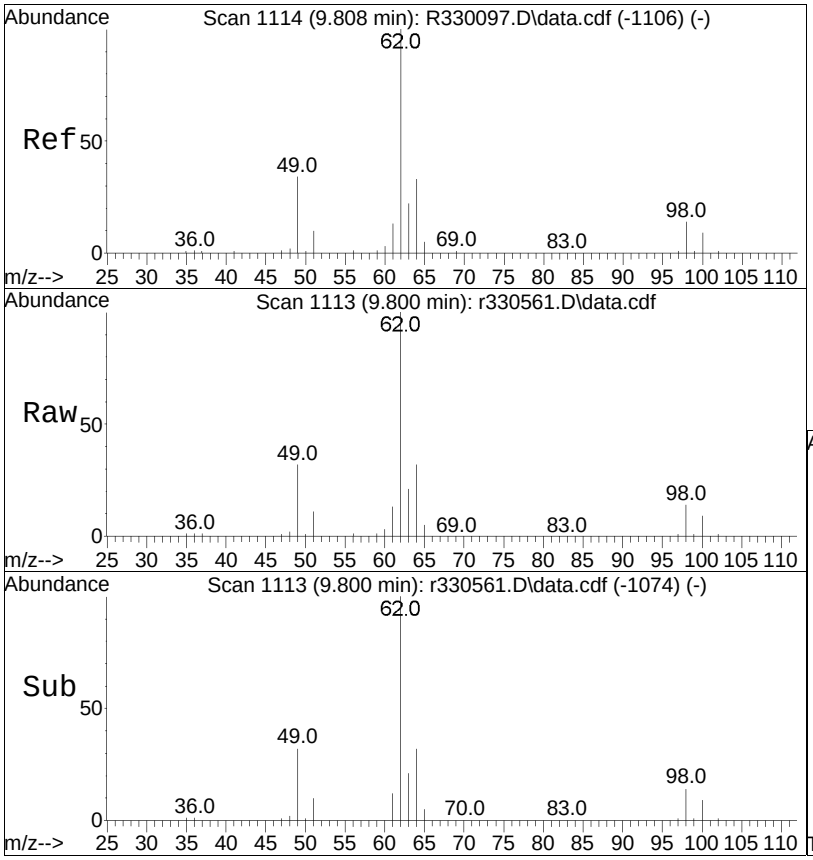


#40
Tetrahydrofuran
Concen: 7.54 ppbV
RT: 9.400 min Scan# 1065
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 42 Resp: 326942

Ion	Ratio	Lower	Upper
42	100		
71	42.0	31.0	46.4
72	44.3	33.4	50.2

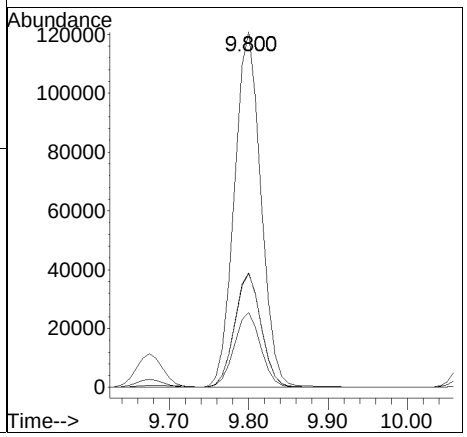


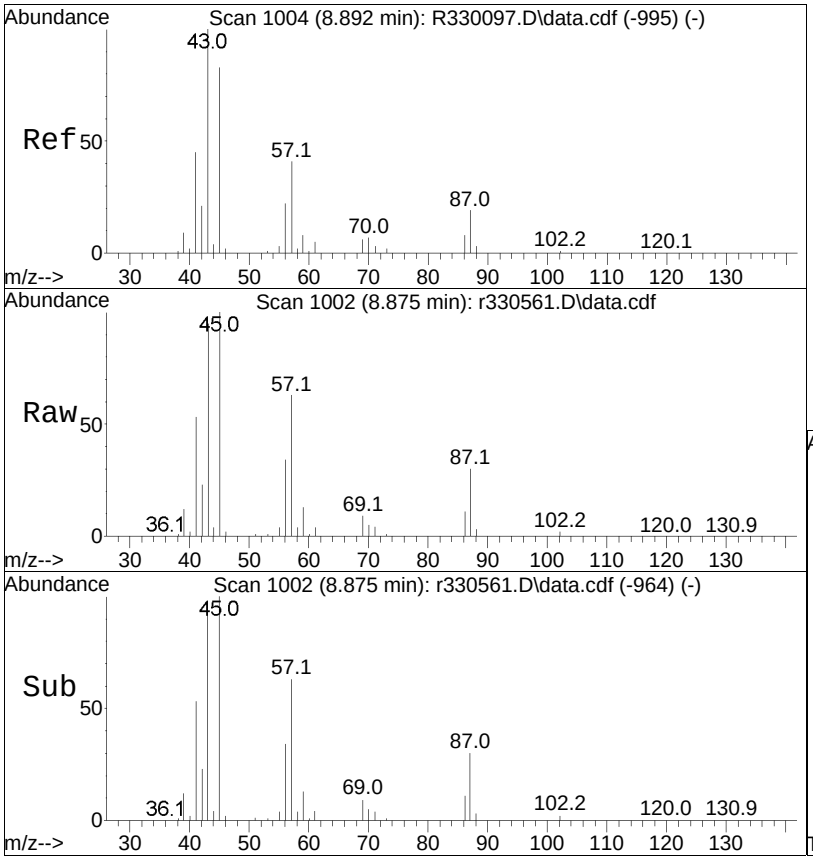


#42
1,2-dichloroethane
Concen: 9.88 ppbV
RT: 9.800 min Scan# 1113
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 62 Resp: 282214

Ion	Ratio	Lower	Upper
62	100		
64	32.3	26.9	40.3
49	32.0	26.8	40.2
63	21.0	17.5	26.3

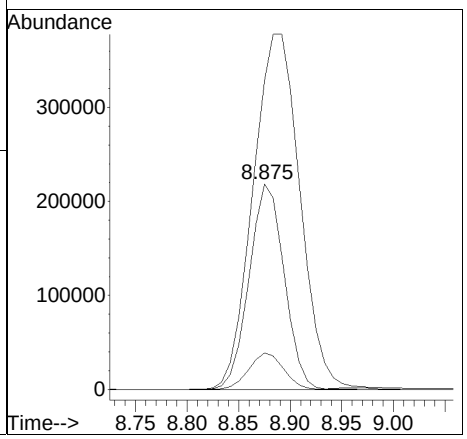


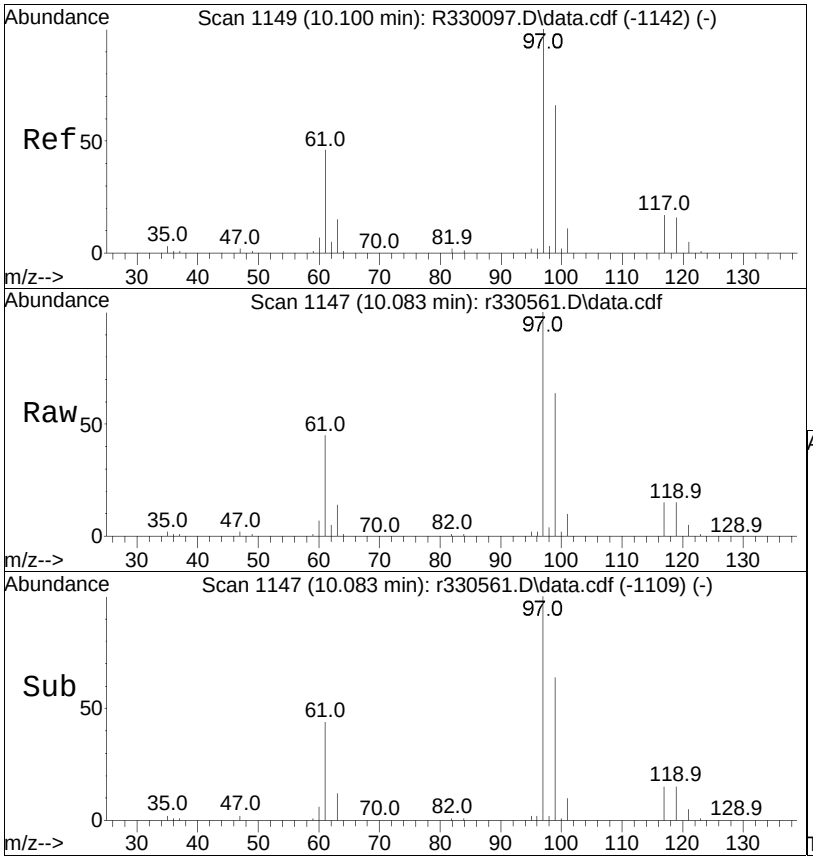


#44
hexane
Concen: 11.81 ppbV
RT: 8.875 min Scan# 1002
Delta R.T. -0.017 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 57 Resp: 515394

Ion	Ratio	Lower	Upper
57	100		
43	150.4	196.5	294.7#
86	17.8	15.8	23.6

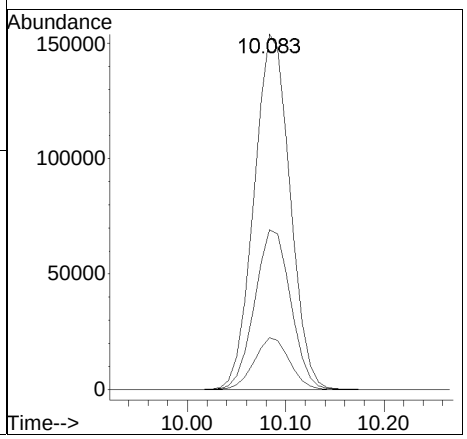


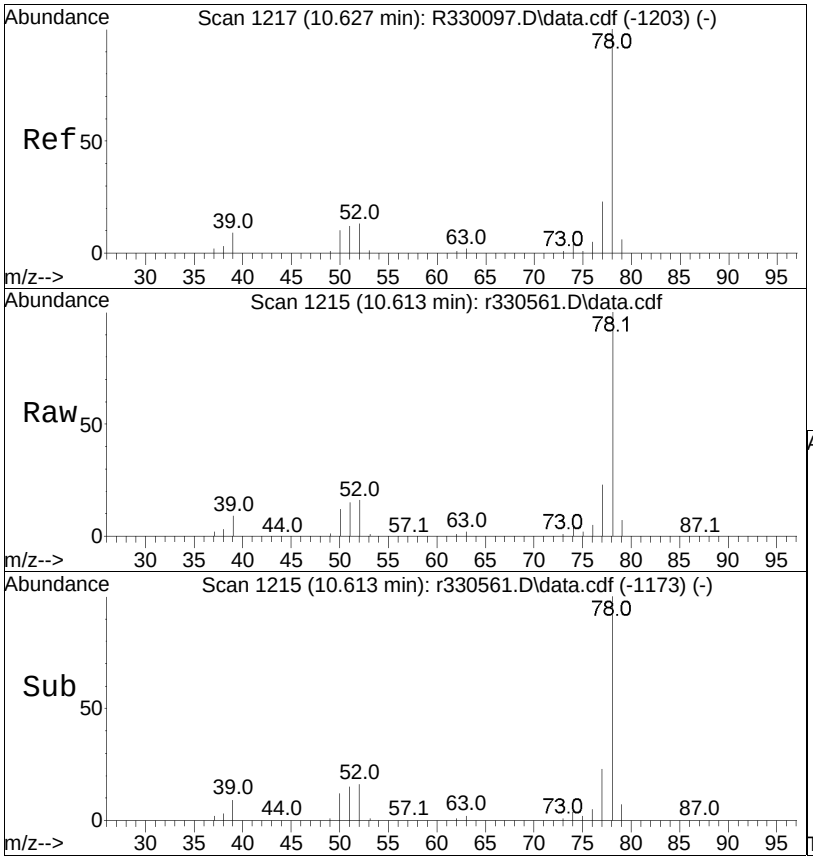


#48
1,1,1-trichloroethane
Concen: 11.17 ppbV
RT: 10.083 min Scan# 1147
Delta R.T. -0.017 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 97 Resp: 391368

Ion	Ratio	Lower	Upper
97	100		
61	44.9	36.6	54.8
119	14.5	13.0	19.4

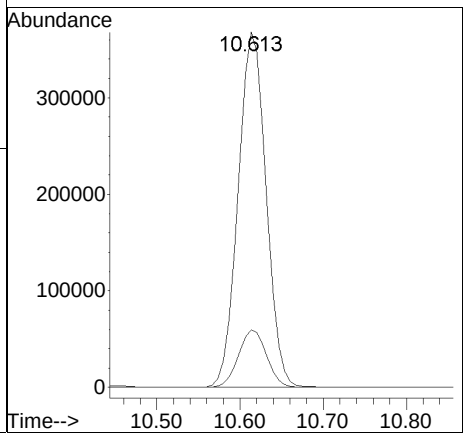


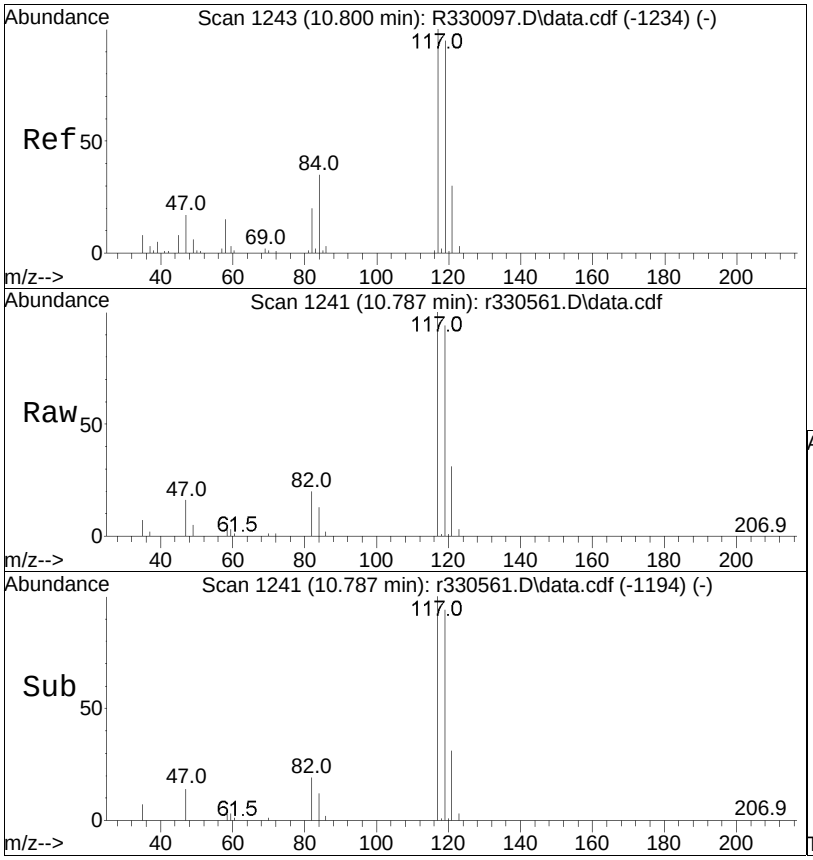


#50
benzene
Concen: 8.72 ppbV
RT: 10.613 min Scan# 1215
Delta R.T. -0.013 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 78 Resp: 860777

Ion	Ratio	Lower	Upper
78	100		
52	16.2	10.4	15.6#

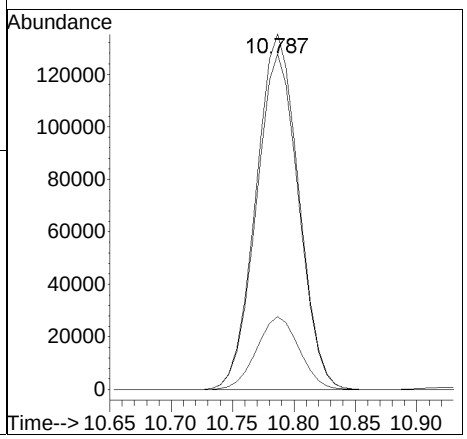


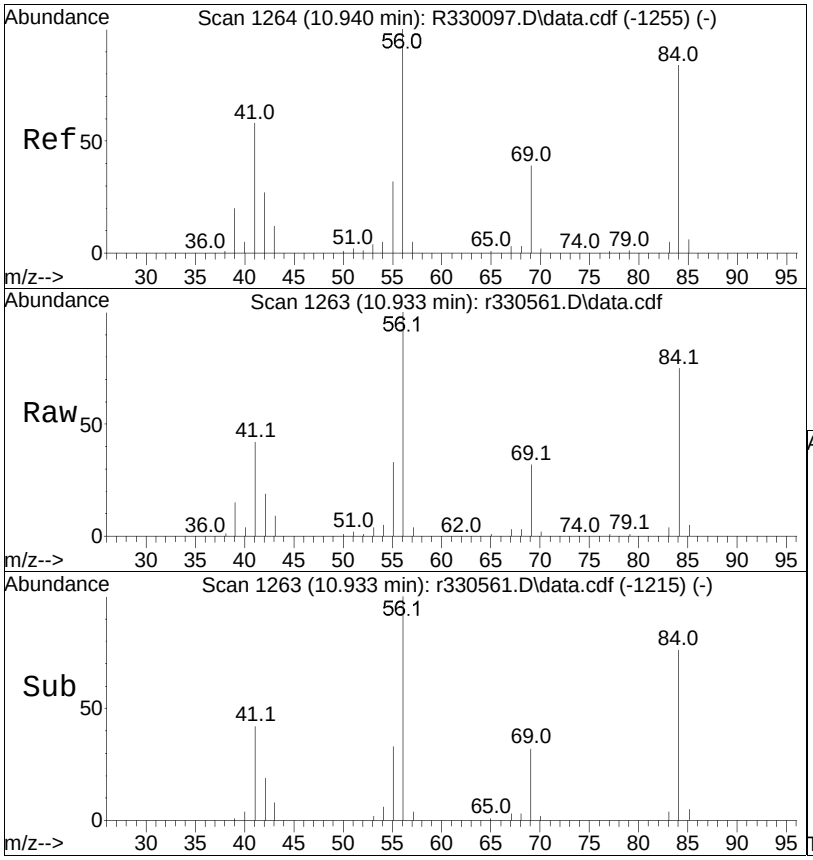


#52
carbon tetrachloride
Concen: 10.22 ppbV
RT: 10.787 min Scan# 1241
Delta R.T. -0.013 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion:117 Resp: 326595

Ion	Ratio	Lower	Upper
117	100		
119	94.4	75.8	113.8
82	20.5	16.5	24.7

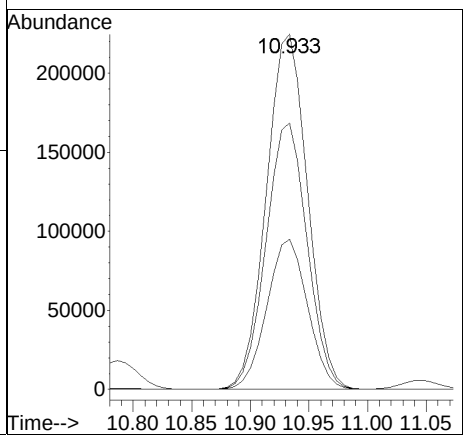


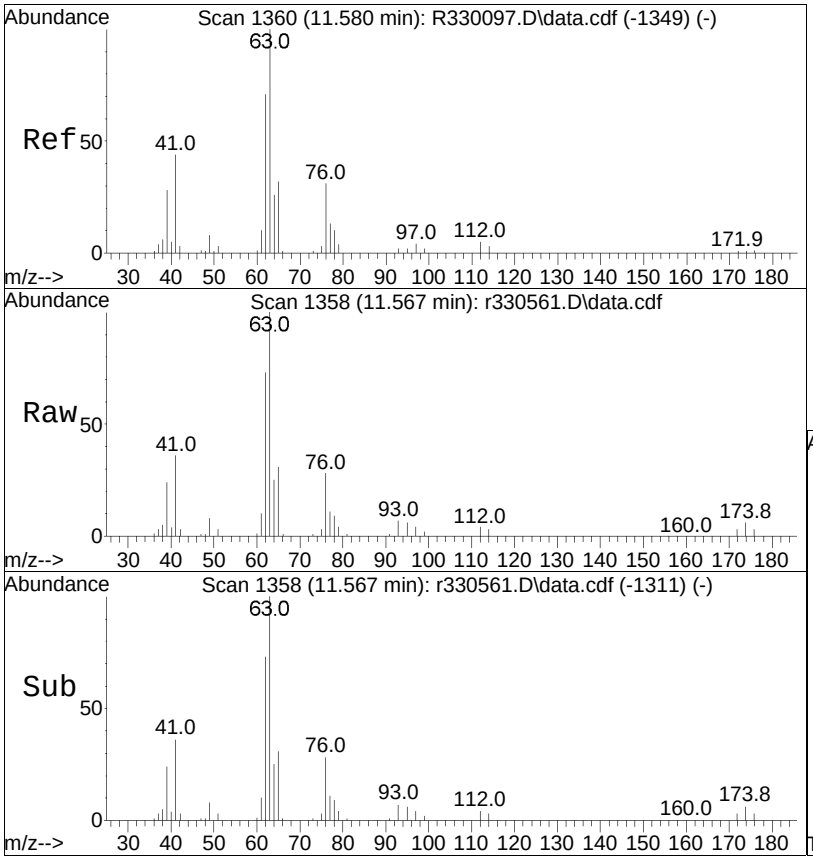


#53
cyclohexane
Concen: 11.88 ppbV
RT: 10.933 min Scan# 1263
Delta R.T. -0.007 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 56 Resp: 550471

Ion	Ratio	Lower	Upper
56	100		
84	75.0	67.4	101.2
41	42.2	46.4	69.6#

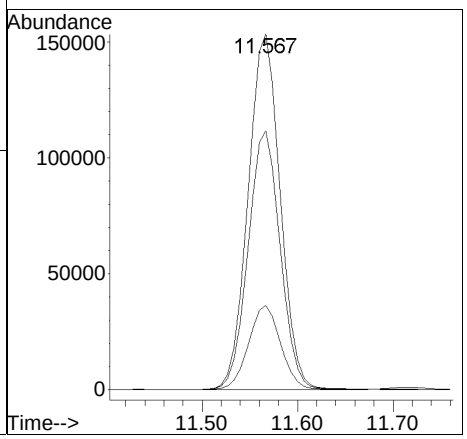


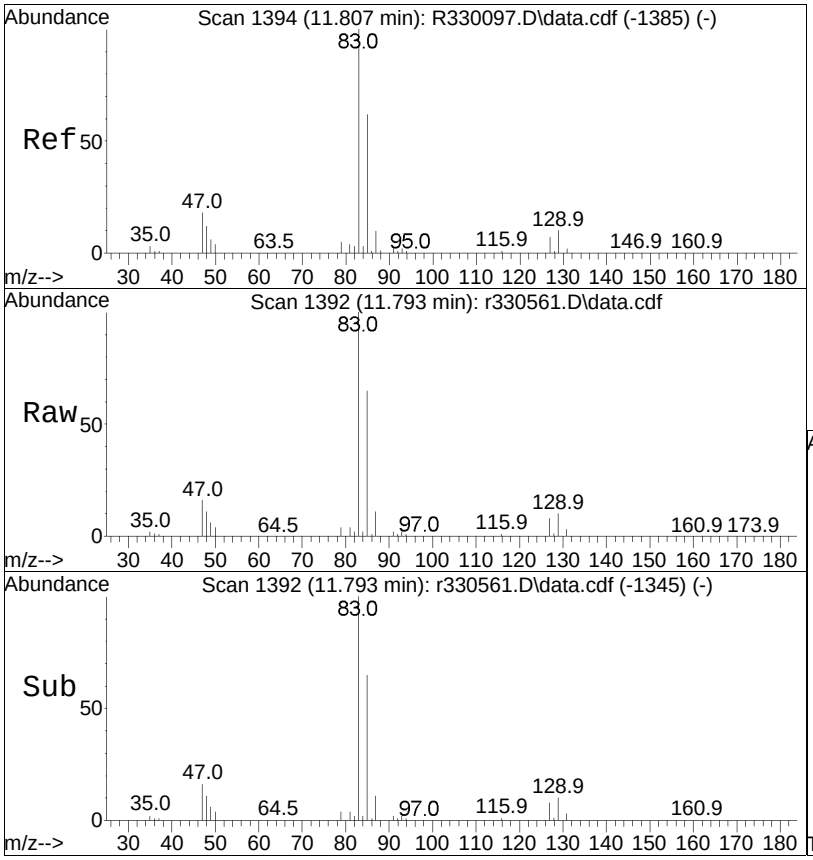


#56
1,2-dichloropropane
Concen: 10.37 ppbV
RT: 11.567 min Scan# 1358
Delta R.T. -0.013 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 63 Resp: 357864

Ion	Ratio	Lower	Upper
63	100		
62	72.8	57.2	85.8
39	23.7	22.7	34.1

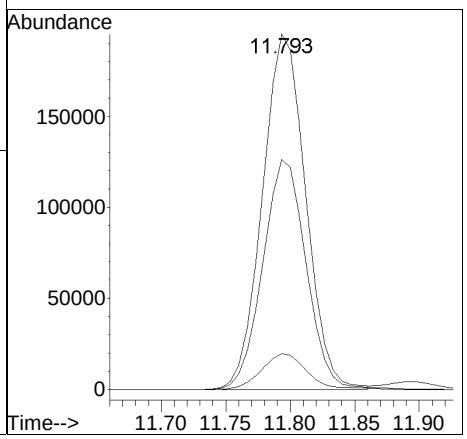


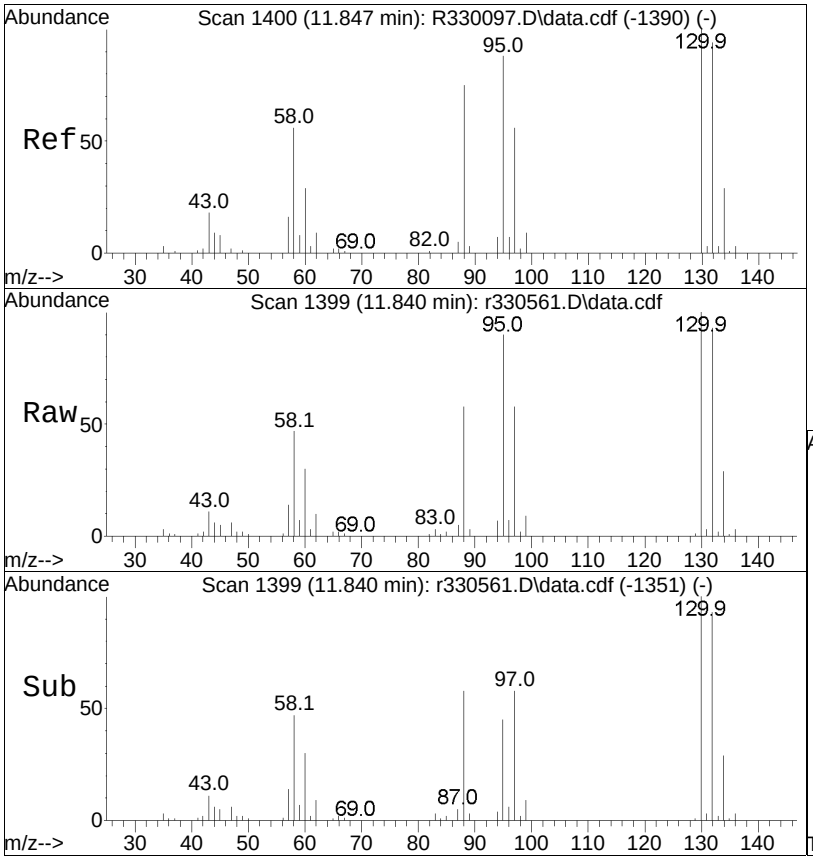


#57
bromodichloromethane
Concen: 10.77 ppbV
RT: 11.793 min Scan# 1392
Delta R.T. -0.013 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 83 Resp: 454872

Ion	Ratio	Lower	Upper
83	100		
85	64.7	49.7	74.5
129	10.0	7.7	11.5

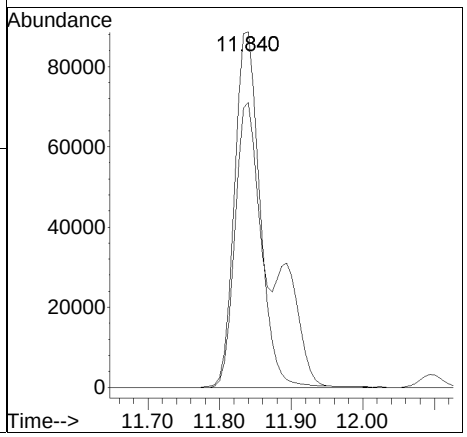


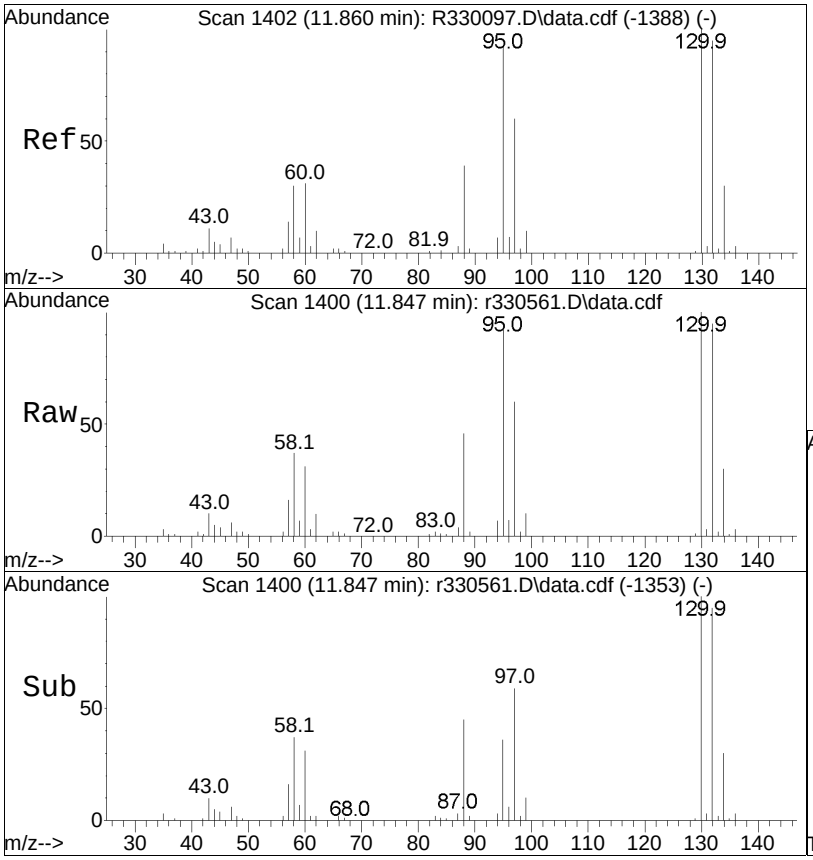


#58
1,4-dioxane
Concen: 11.29 ppbV
RT: 11.840 min Scan# 1399
Delta R.T. -0.007 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 88 Resp: 219124

Ion	Ratio	Lower	Upper
88	100		
58	80.2	59.9	89.9

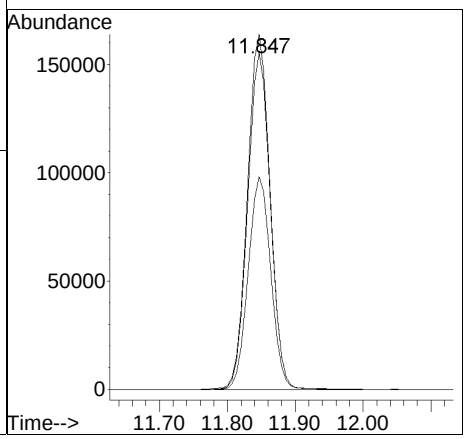


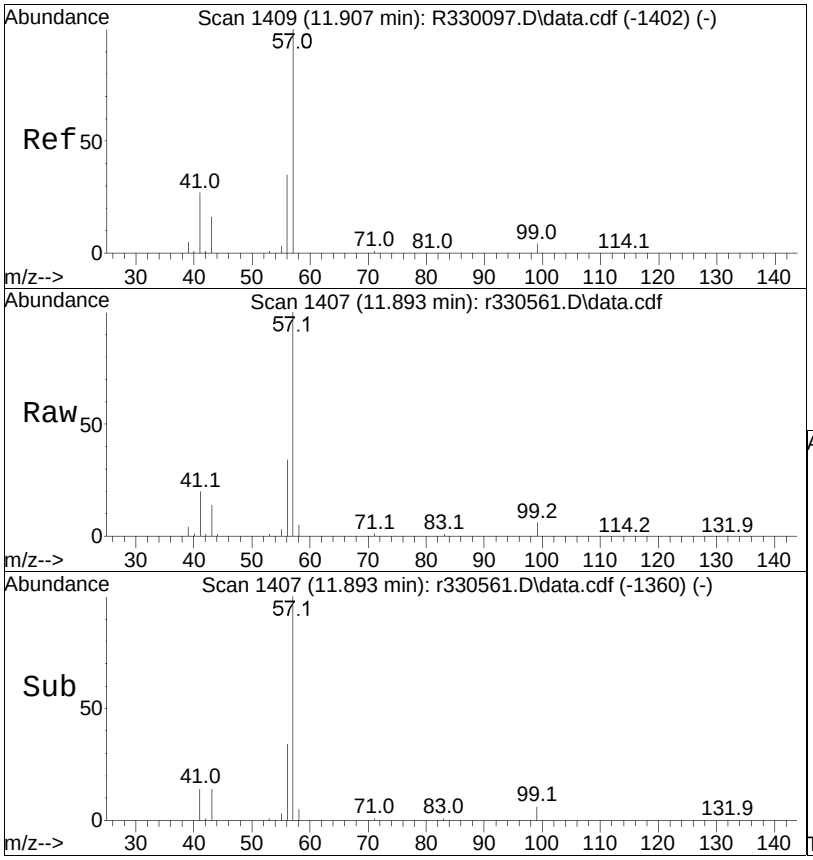


#59
trichloroethene
Concen: 11.10 ppbV
RT: 11.847 min Scan# 1400
Delta R.T. -0.013 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion:130 Resp: 381513

Ion	Ratio	Lower	Upper
130	100		
132	94.7	76.3	114.5
97	59.9	47.8	71.6

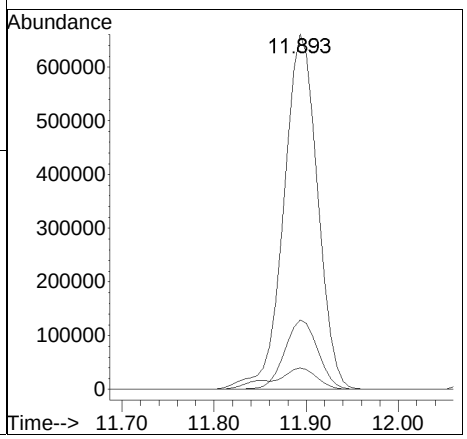


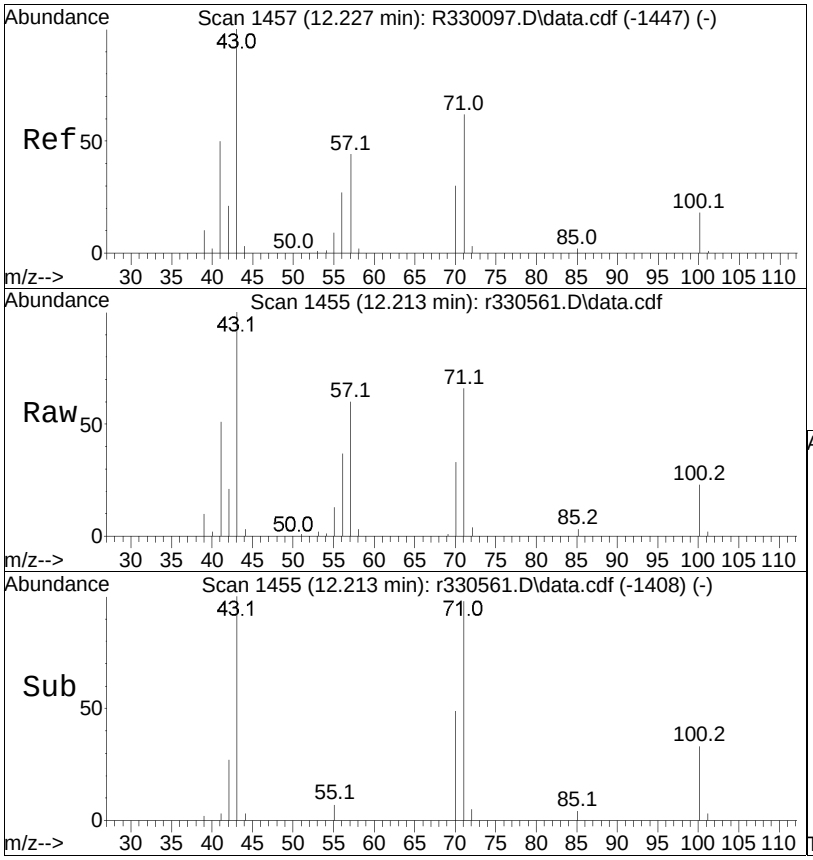


#60
2,2,4-trimethylpentane
Concen: 11.97 ppbV
RT: 11.893 min Scan# 1407
Delta R.T. -0.013 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 57 Resp: 1690662

Ion	Ratio	Lower	Upper
57	100		
99	6.1	5.3	7.9
41	19.5	21.4	32.0#

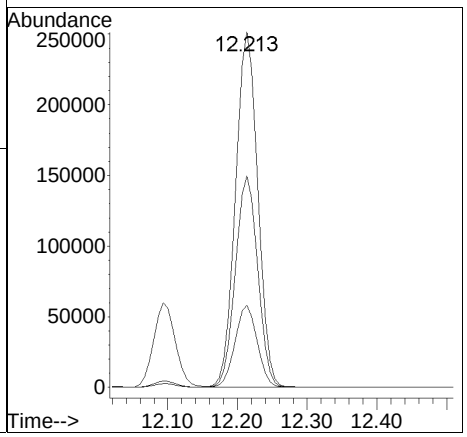


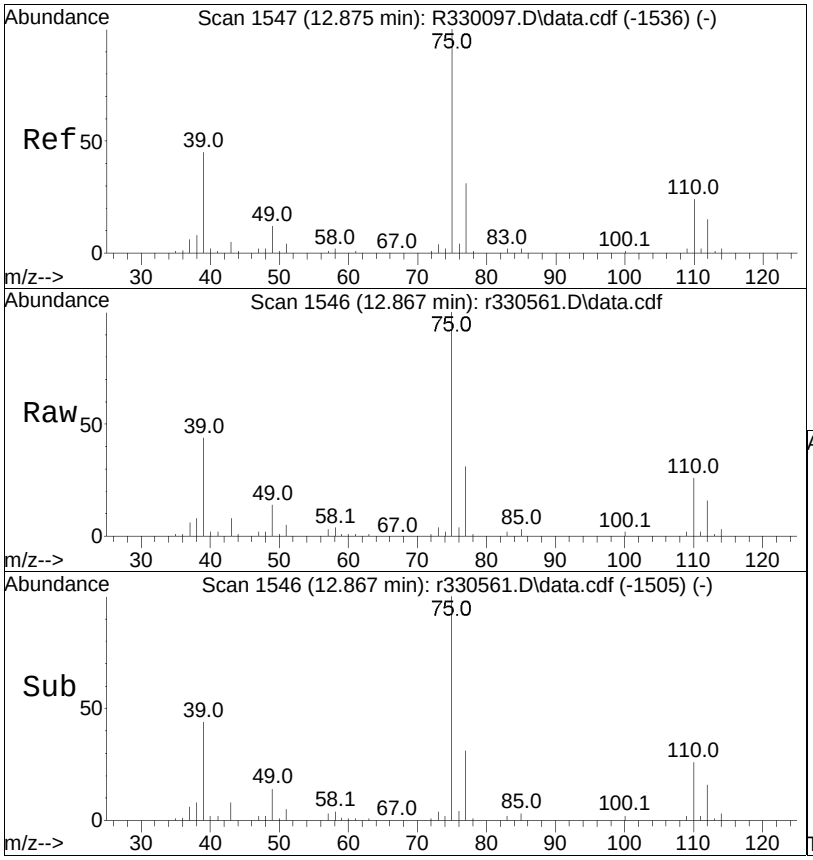


#62
heptane
Concen: 8.86 ppbV
RT: 12.213 min Scan# 1455
Delta R.T. -0.013 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 43 Resp: 560967

Ion	Ratio	Lower	Upper
43	100		
57	59.5	34.9	52.3#
100	23.1	14.9	22.3#

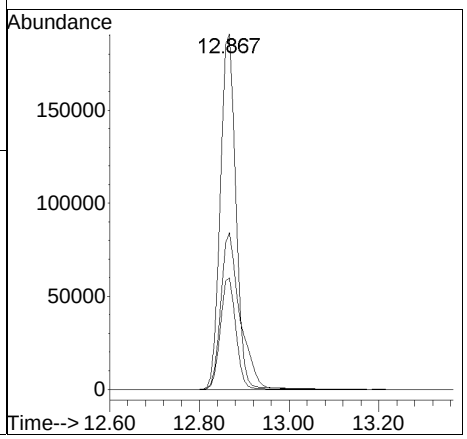


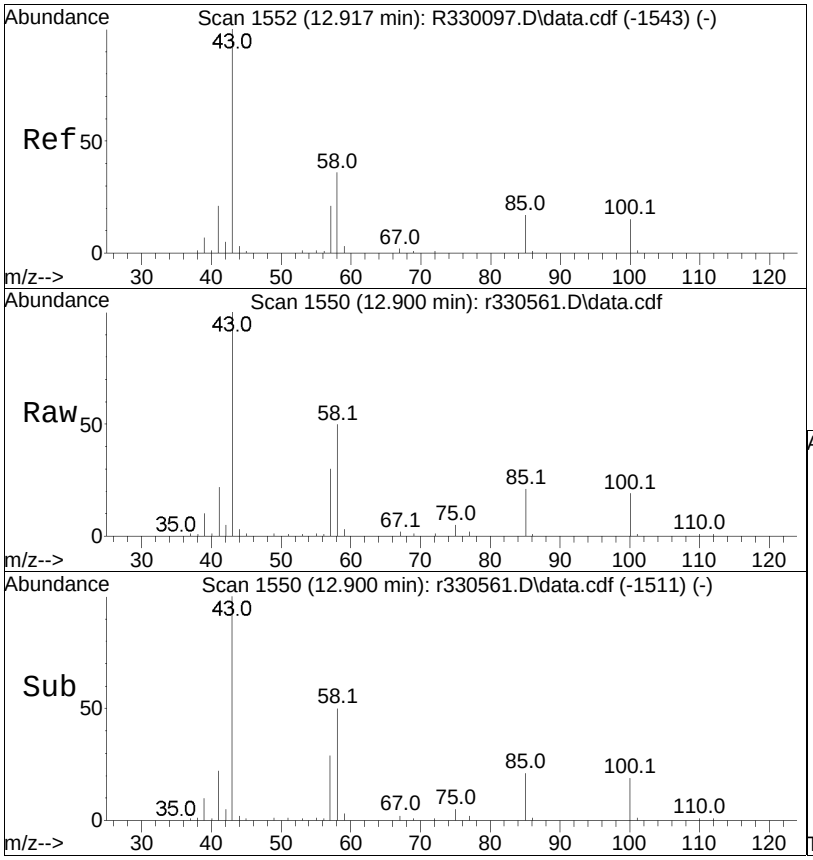


#63
cis-1,3-dichloropropene
Concen: 9.33 ppbV
RT: 12.867 min Scan# 1546
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 75 Resp: 462064

Ion	Ratio	Lower	Upper
75	100		
39	44.1	36.1	54.1
77	31.4	24.6	36.8

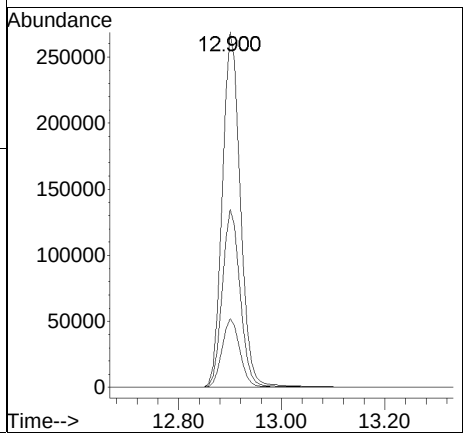


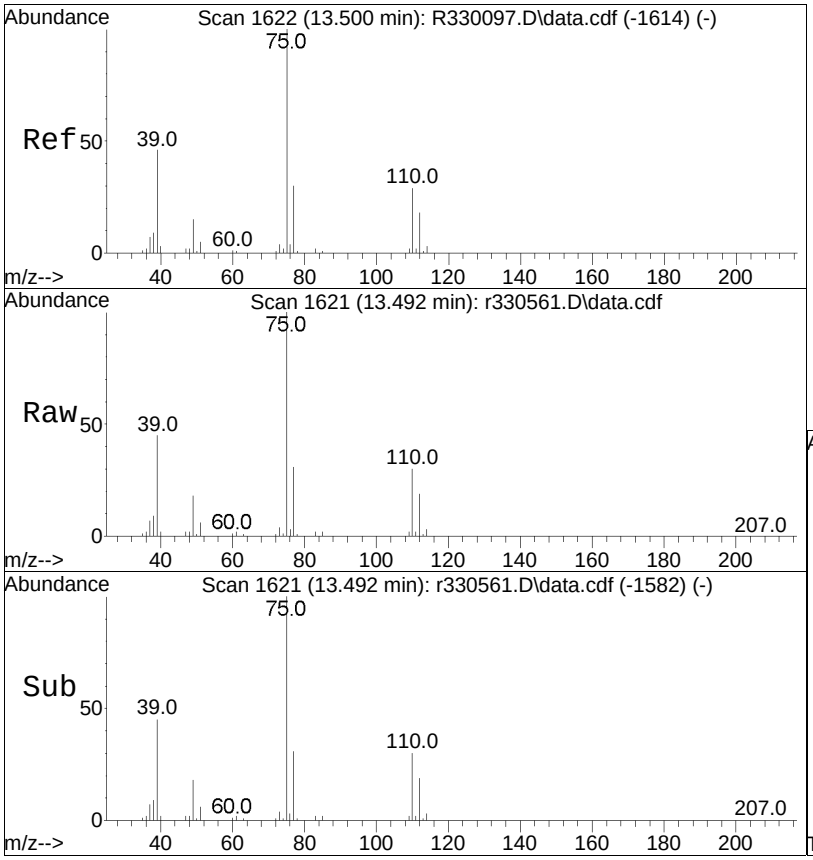


#64
4-methyl-2-pentanone
Concen: 8.79 ppbV
RT: 12.900 min Scan# 1550
Delta R.T. -0.017 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 43 Resp: 656205

Ion	Ratio	Lower	Upper
43	100		
58	50.2	29.1	43.7#
100	19.4	12.2	18.4#

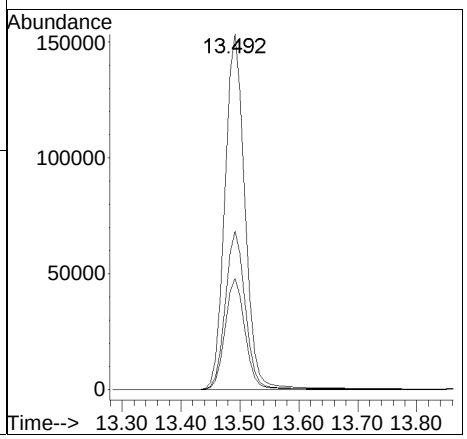


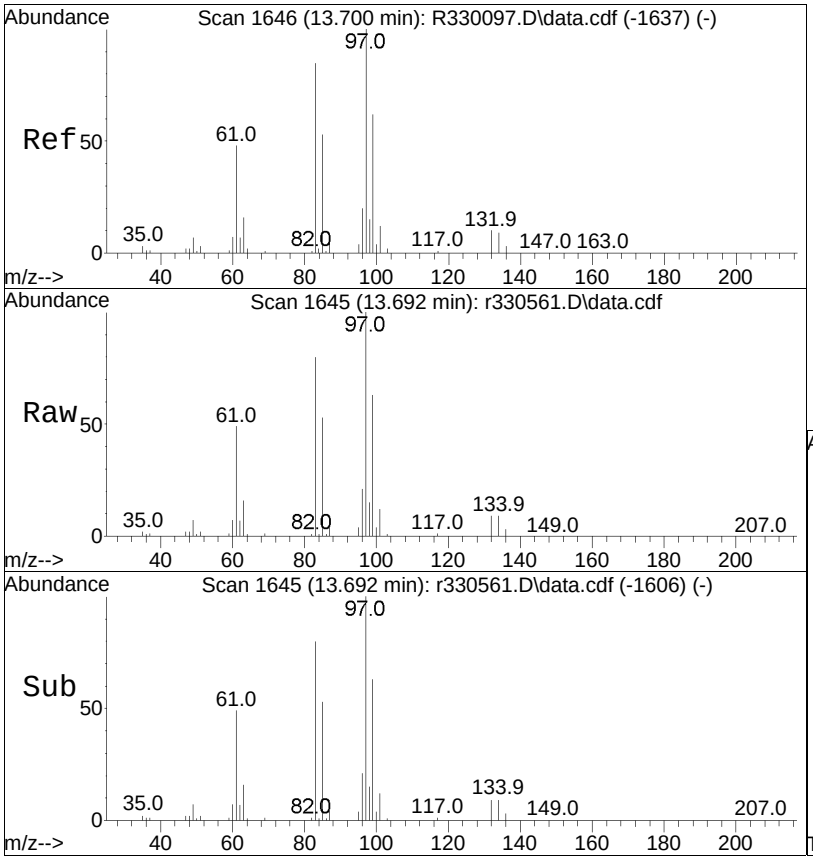


#65
trans-1,3-dichloropropene
Concen: 9.64 ppbV
RT: 13.492 min Scan# 1621
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 75 Resp: 363484

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.4	36.6
39	44.5	37.0	55.6

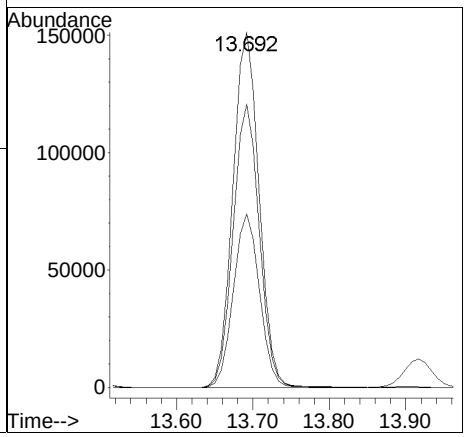


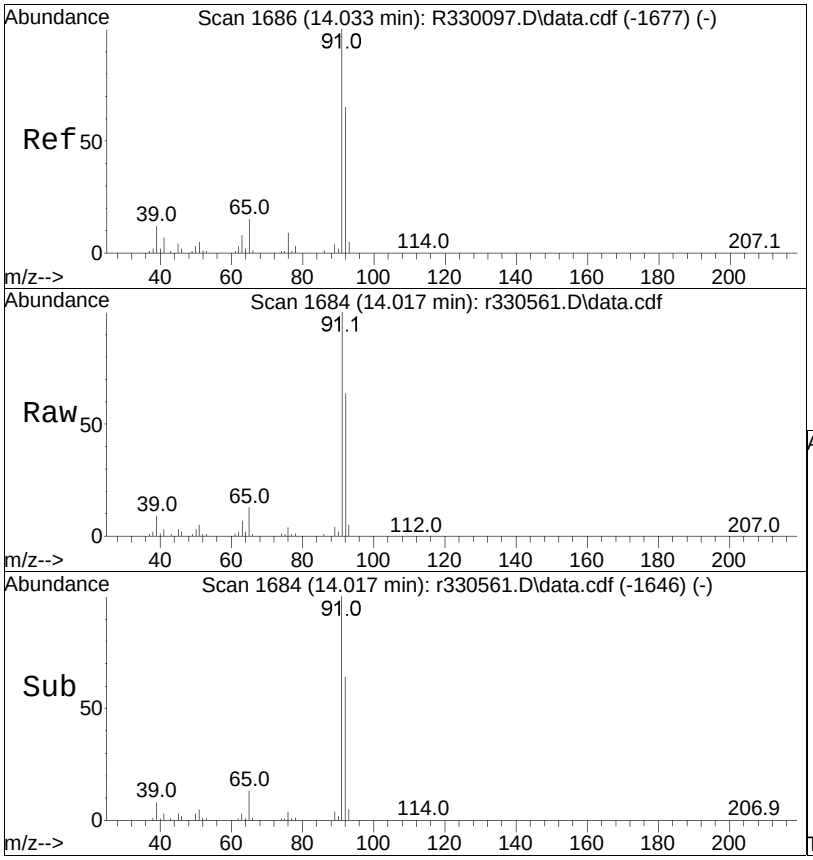


#66
1,1,2-trichloroethane
Concen: 11.21 ppbV
RT: 13.692 min Scan# 1645
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 97 Resp: 361025

Ion	Ratio	Lower	Upper
97	100		
83	79.7	67.8	101.8
61	48.8	38.5	57.7

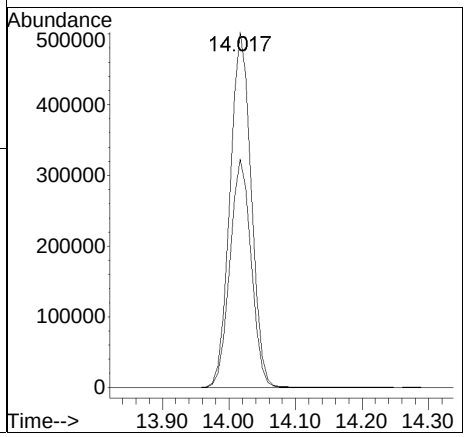


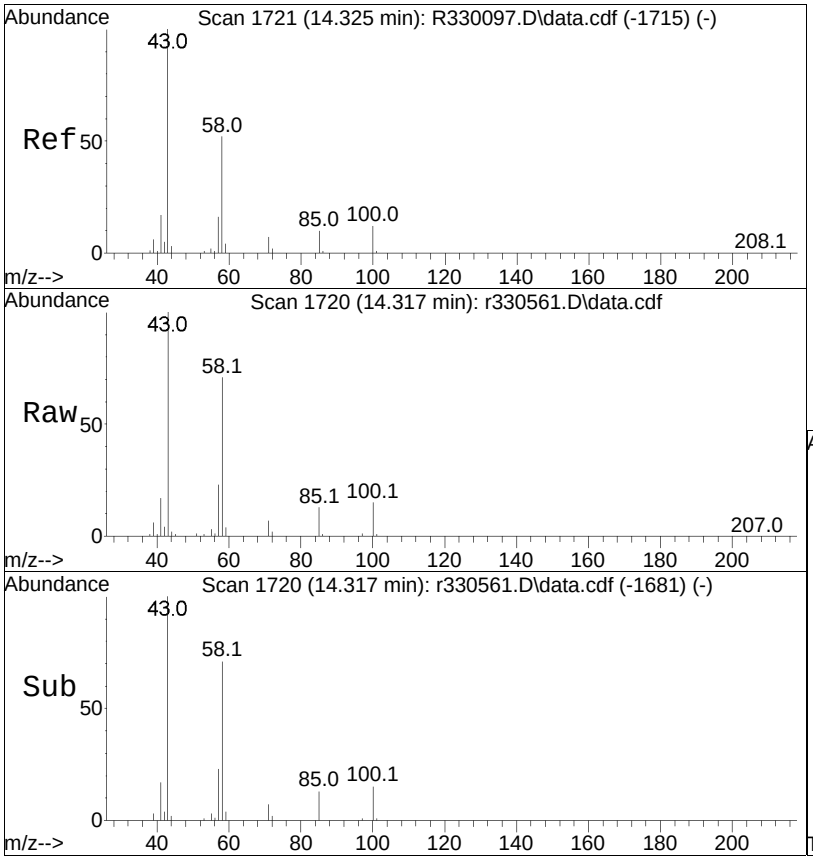


#68
toluene
Concen: 9.25 ppbV
RT: 14.017 min Scan# 1684
Delta R.T. -0.017 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 91 Resp: 1113768

Ion	Ratio	Lower	Upper
91	100		
92	64.3	52.1	78.1

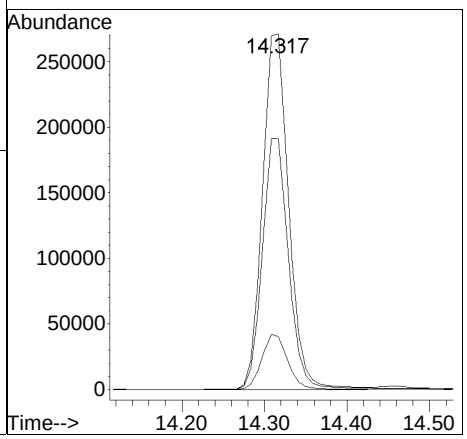


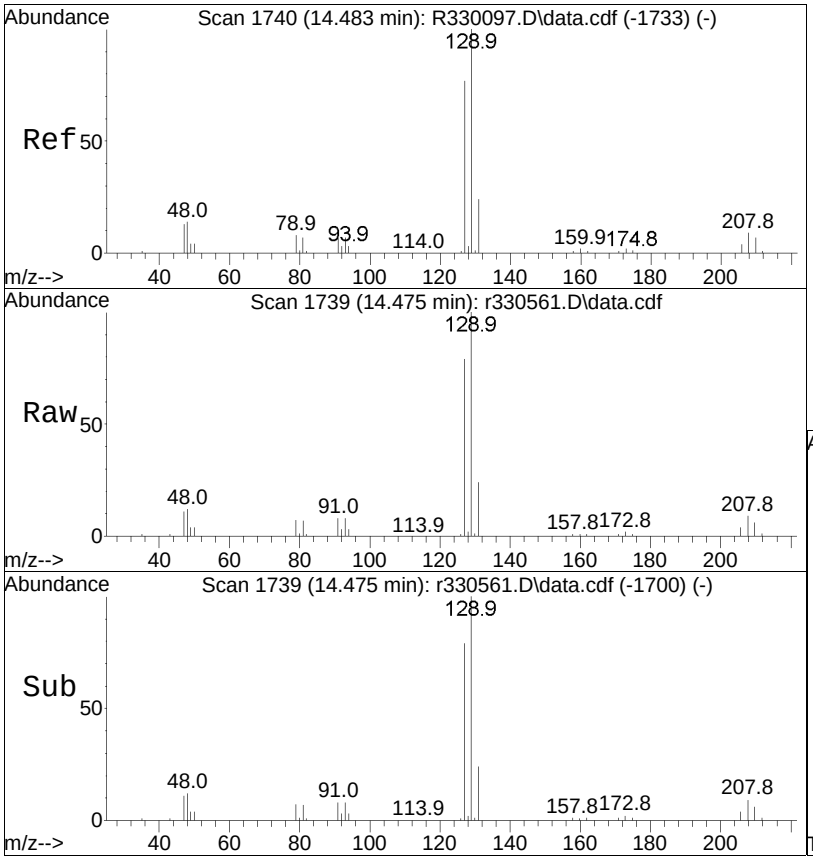


#72
2-hexanone
Concen: 7.42 ppbV
RT: 14.317 min Scan# 1720
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 43 Resp: 600402

Ion	Ratio	Lower	Upper
43	100		
58	70.6	41.9	62.9#
100	14.9	10.2	15.2

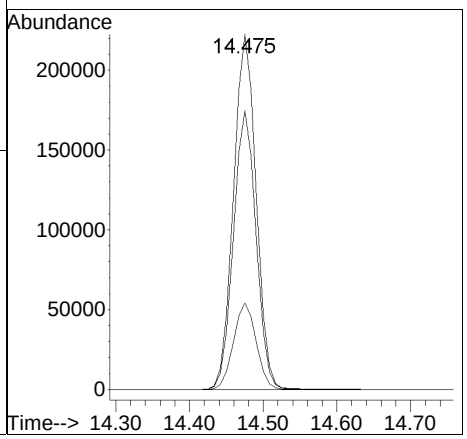


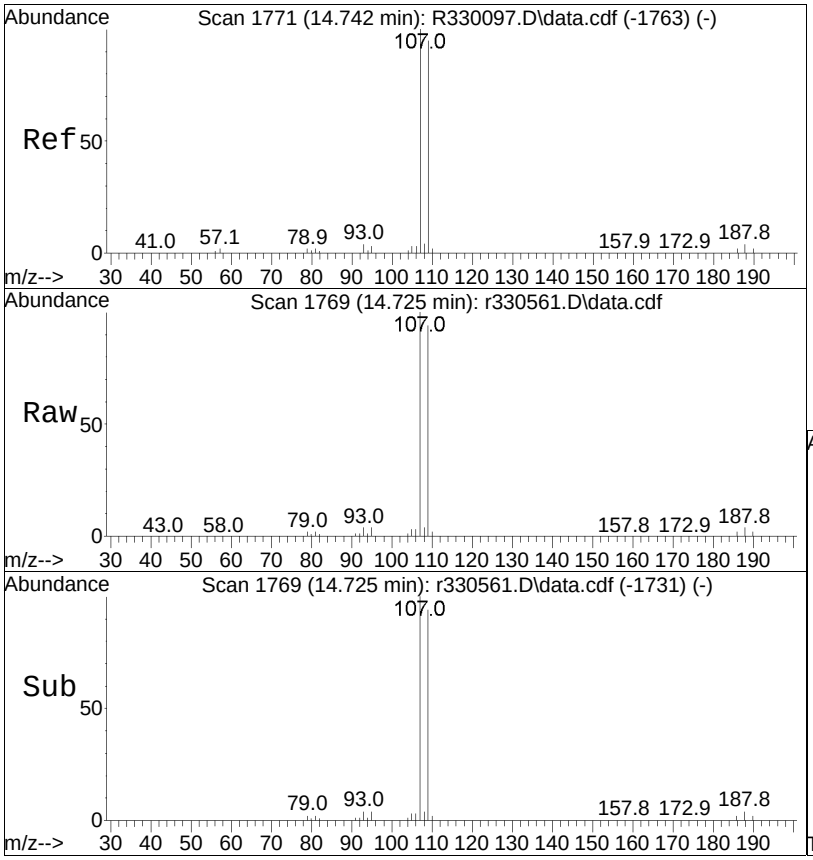


#74
dibromochloromethane
Concen: 9.85 ppbV
RT: 14.475 min Scan# 1739
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion:129 Resp: 476134

Ion	Ratio	Lower	Upper
129	100		
127	78.5	61.9	92.9
131	24.4	19.3	28.9

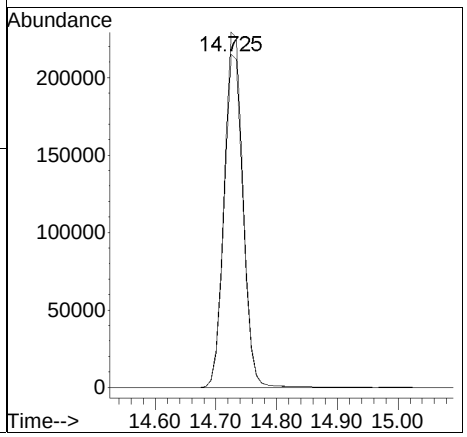


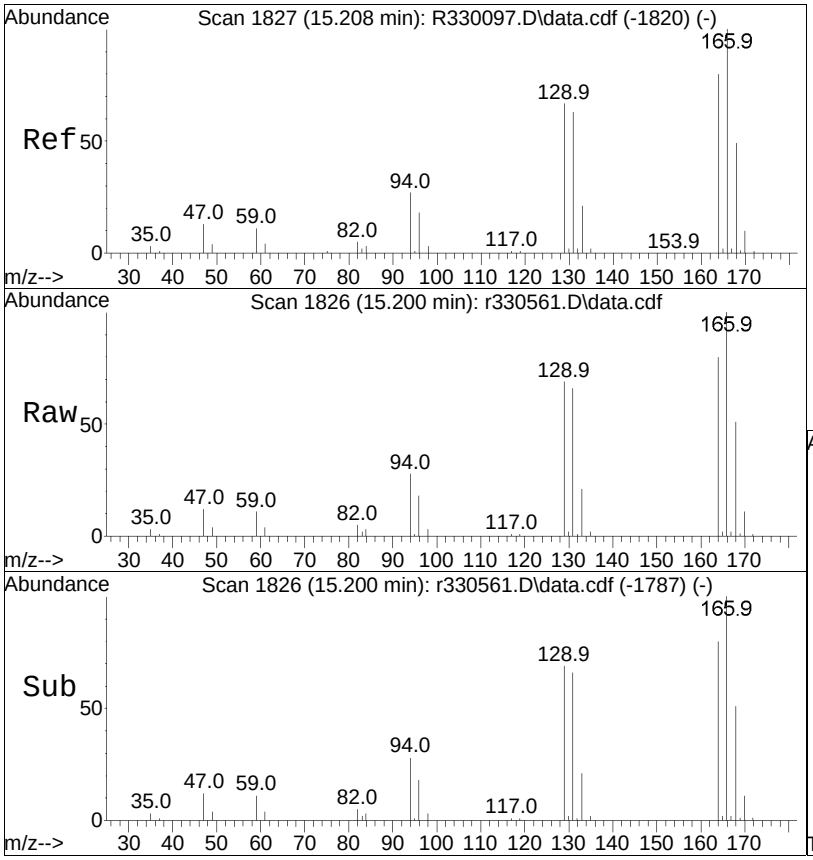


#75
1,2-dibromoethane
Concen: 8.38 ppbV
RT: 14.725 min Scan# 1769
Delta R.T. -0.017 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion:107 Resp: 498979

Ion	Ratio	Lower	Upper
107	100		
109	93.7	76.0	114.0

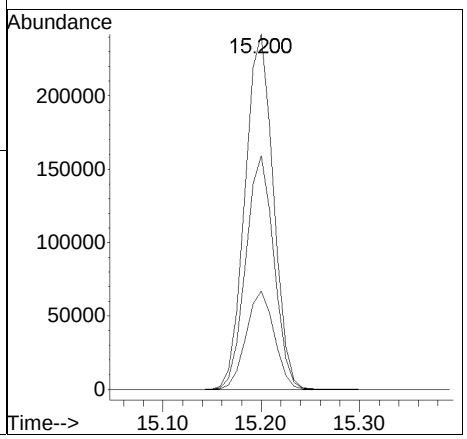


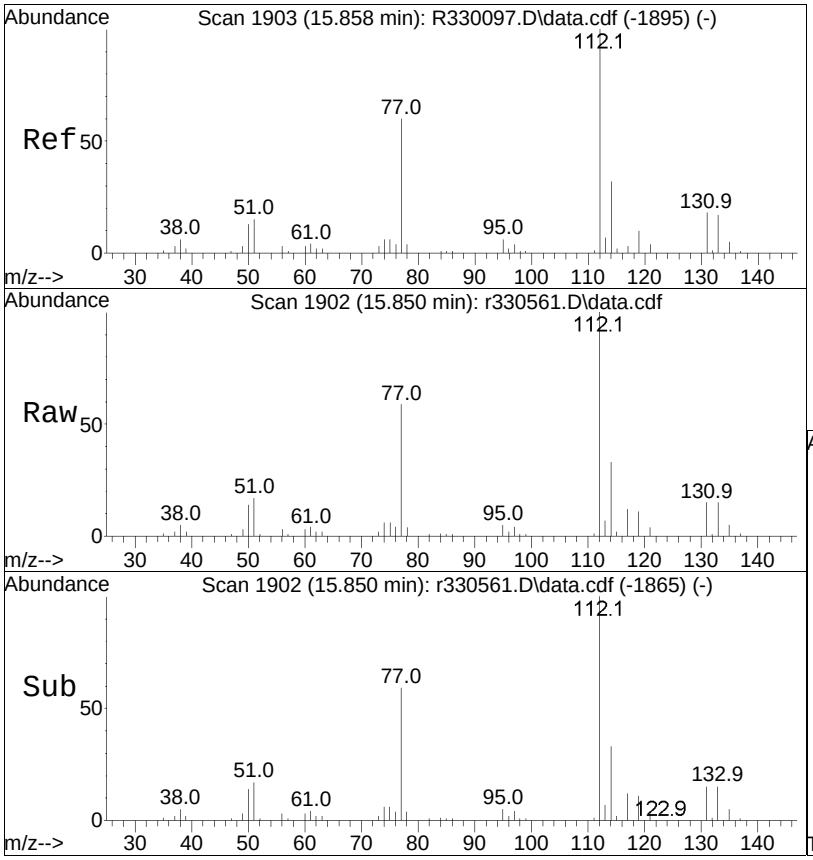


#78
tetrachloroethene
Concen: 8.97 ppbV
RT: 15.200 min Scan# 1826
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion:166 Resp: 485605

Ion	Ratio	Lower	Upper
166	100		
131	65.7	50.6	75.8
94	27.7	21.4	32.2

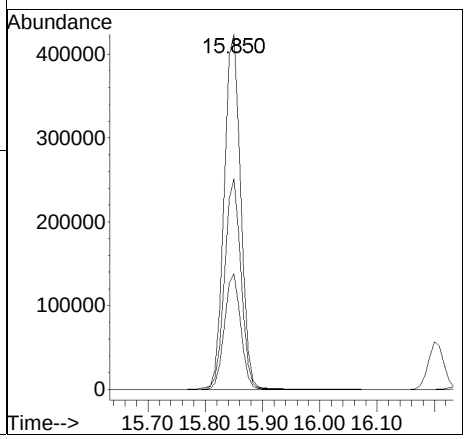


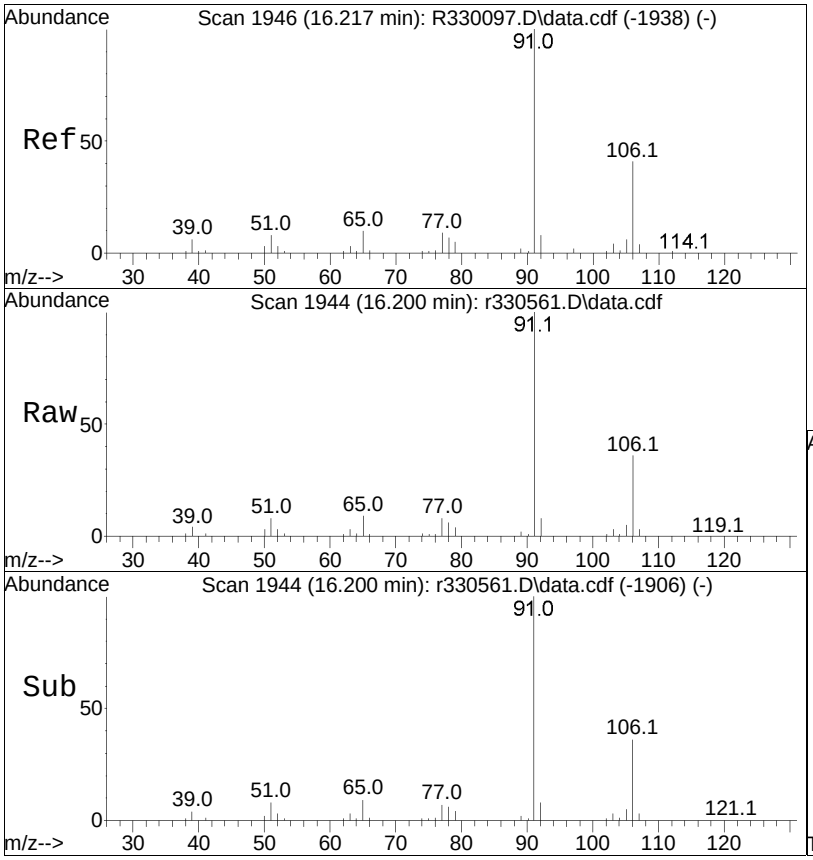


#80
chlorobenzene
Concen: 8.20 ppbV
RT: 15.850 min Scan# 1902
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion:112 Resp: 851710

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.4	38.0
77	59.3	48.4	72.6

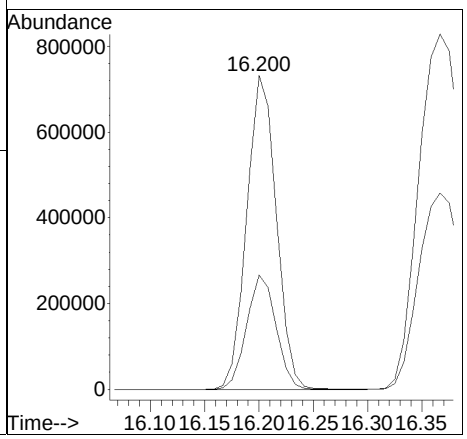


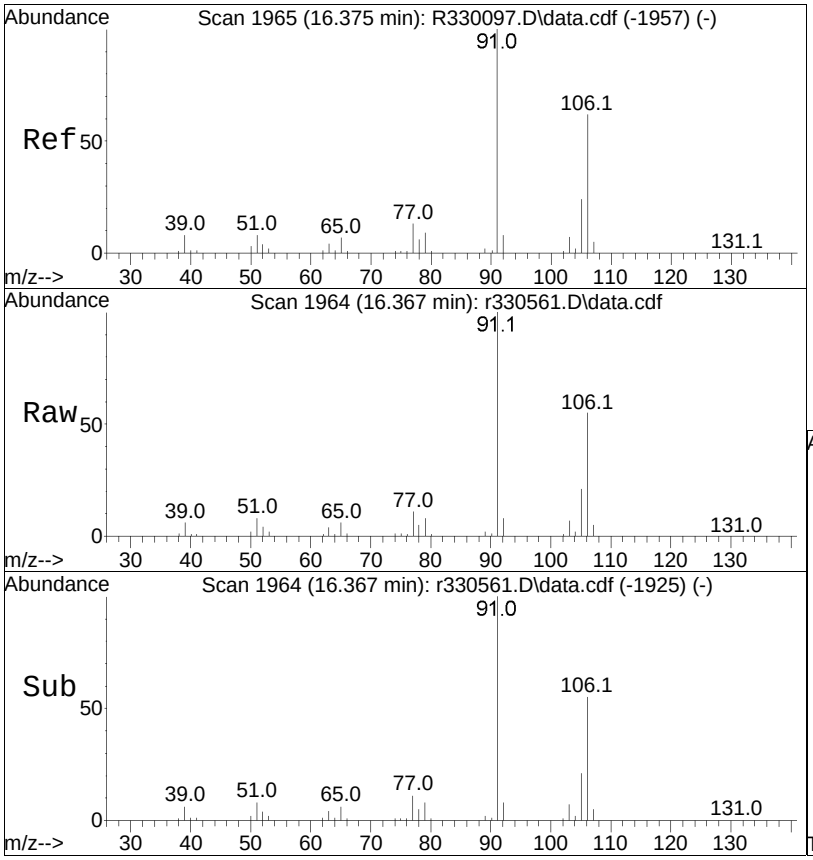


#81
ethylbenzene
Concen: 9.17 ppbV
RT: 16.200 min Scan# 1944
Delta R.T. -0.017 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 91 Resp: 1388415

Ion	Ratio	Lower	Upper
91	100		
106	36.4	32.6	49.0

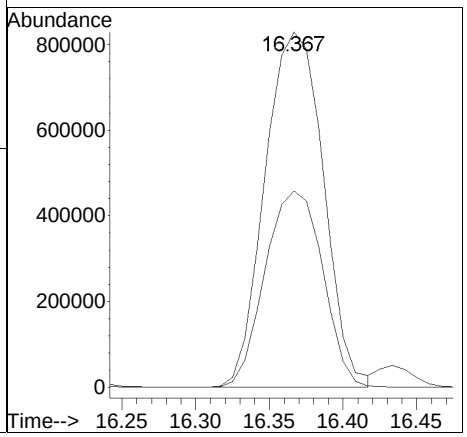


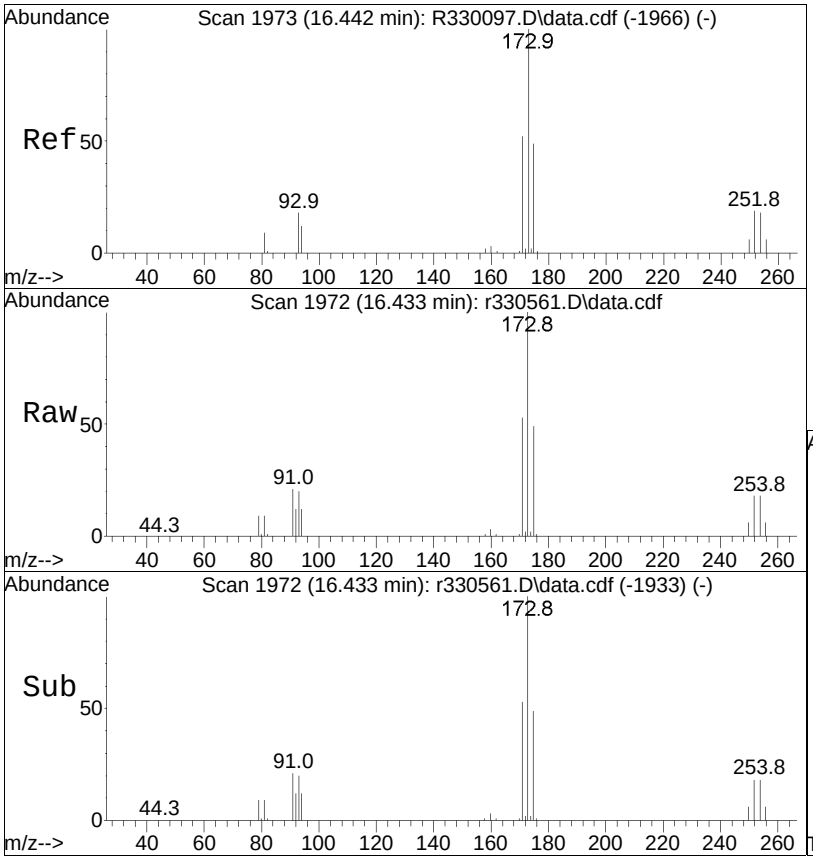


#83
m+p-xylene
Concen: 18.82 ppbV
RT: 16.367 min Scan# 1964
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 91 Resp: 2284965

Ion	Ratio	Lower	Upper
91	100		
106	55.3	49.2	73.8

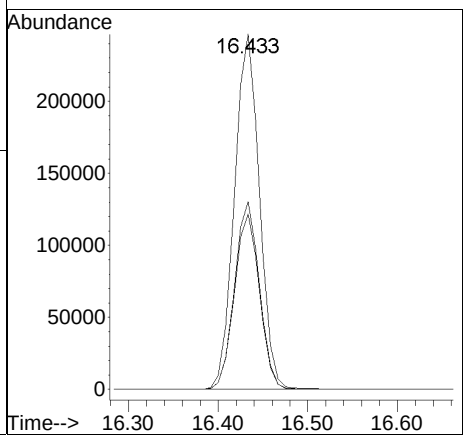


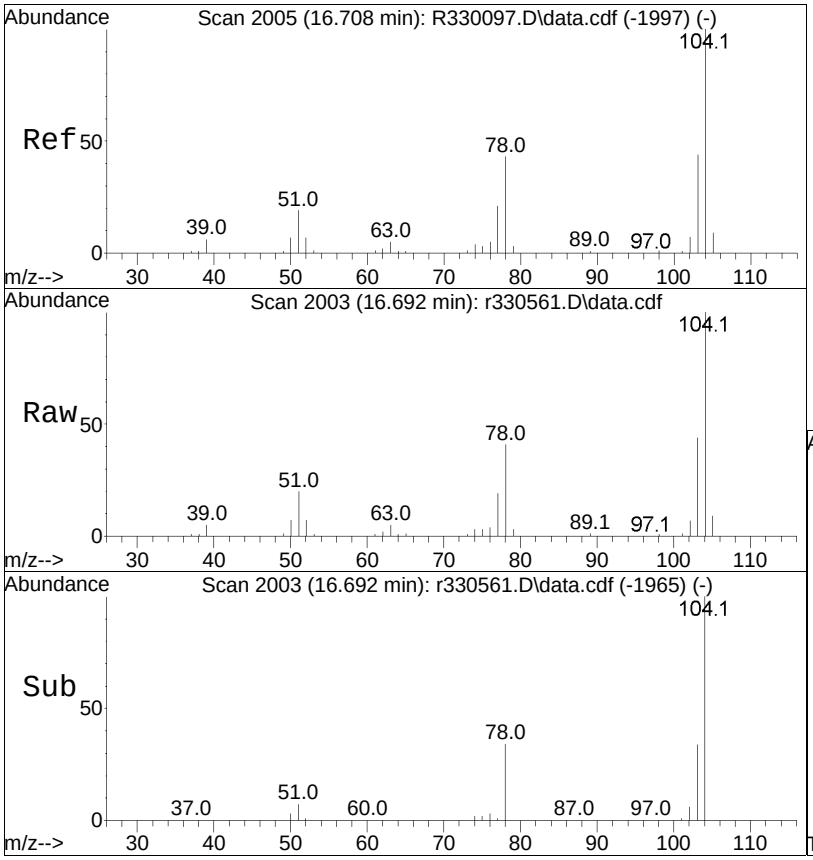


#84
bromoform
Concen: 10.17 ppbV
RT: 16.433 min Scan# 1972
Delta R.T. -0.009 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion:173 Resp: 477675

Ion	Ratio	Lower	Upper
173	100		
175	49.4	39.2	58.8
171	52.9	41.8	62.6

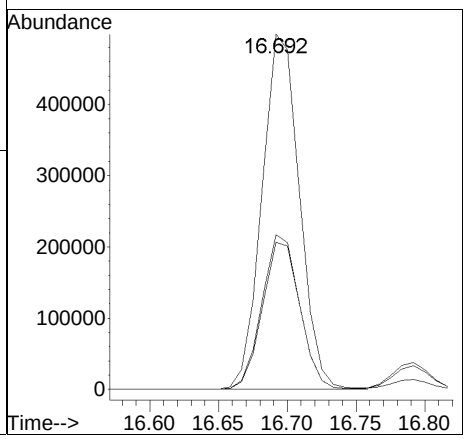


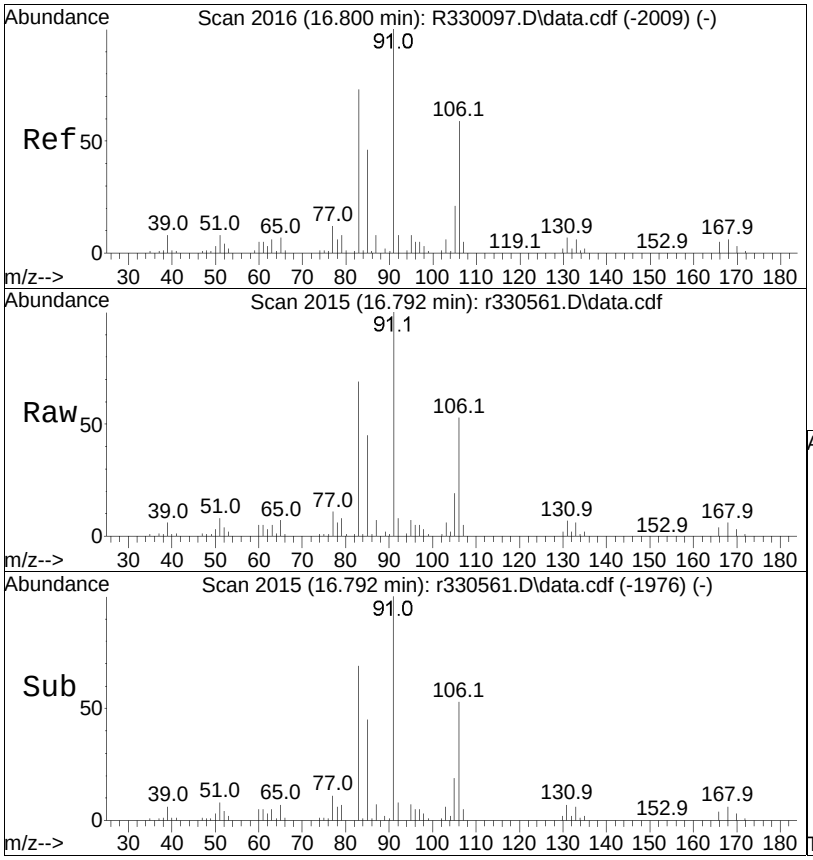


#85
styrene
Concen: 8.64 ppbV
RT: 16.692 min Scan# 2003
Delta R.T. -0.017 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion:104 Resp: 945971

Ion	Ratio	Lower	Upper
104	100		
103	43.5	35.0	52.4
78	41.4	34.3	51.5

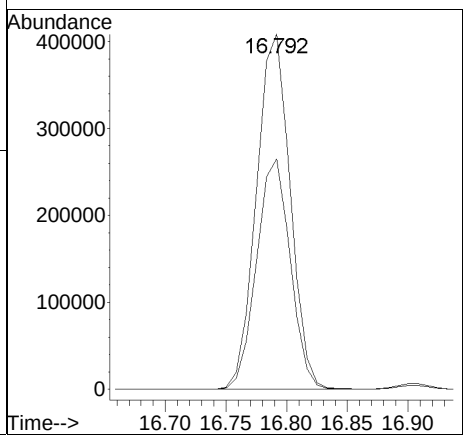


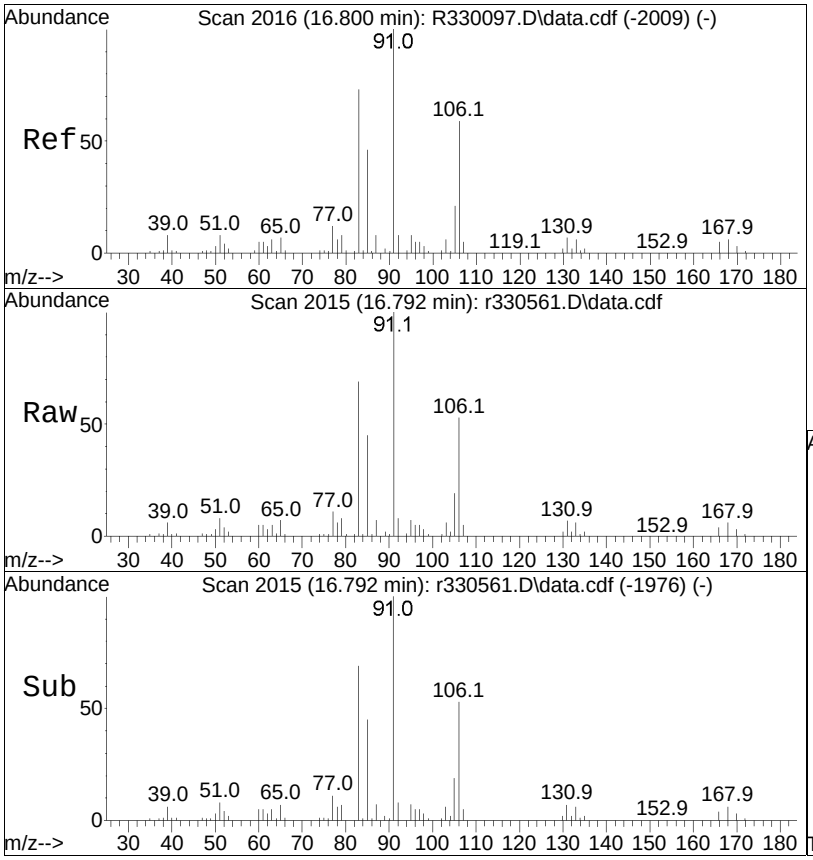


#86
1,1,2,2-tetrachloroethane
Concen: 9.11 ppbV
RT: 16.792 min Scan# 2015
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 83 Resp: 792625

Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.5	75.7

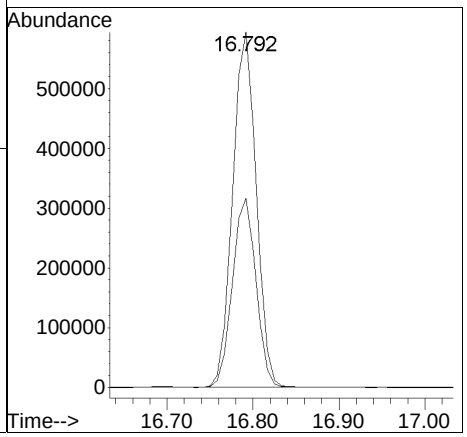


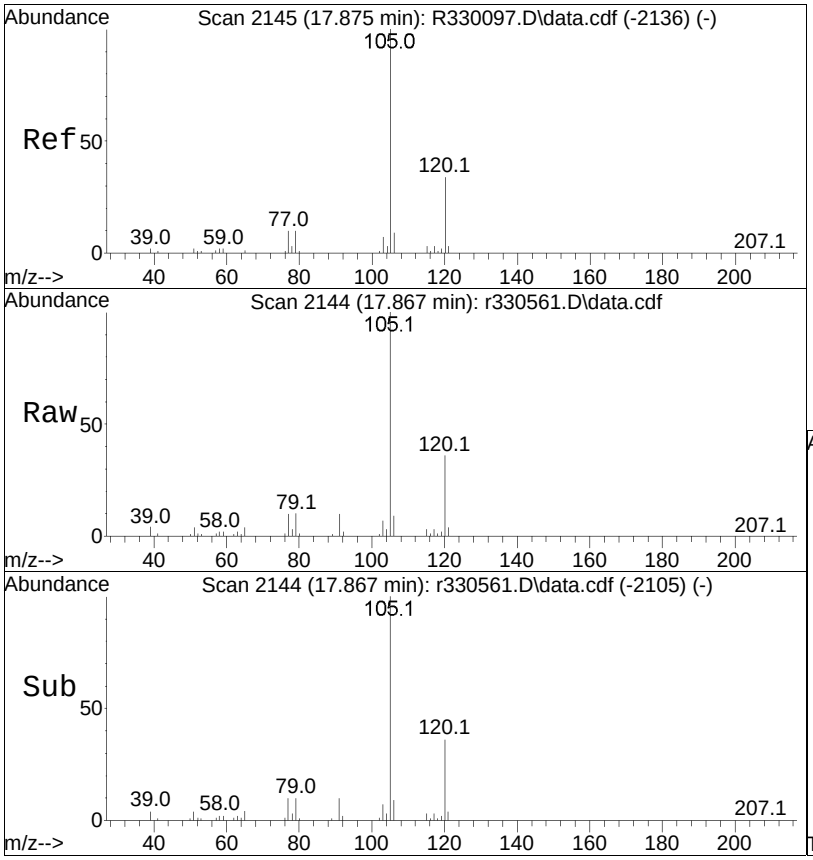


#87
o-xylene
Concen: 9.40 ppbV
RT: 16.792 min Scan# 2015
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 91 Resp: 1131125

Ion	Ratio	Lower	Upper
91	100		
106	53.3	47.5	71.3

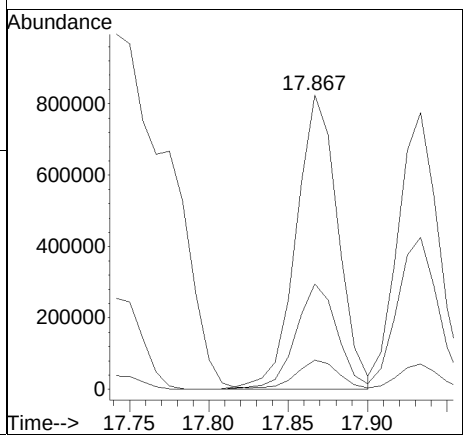


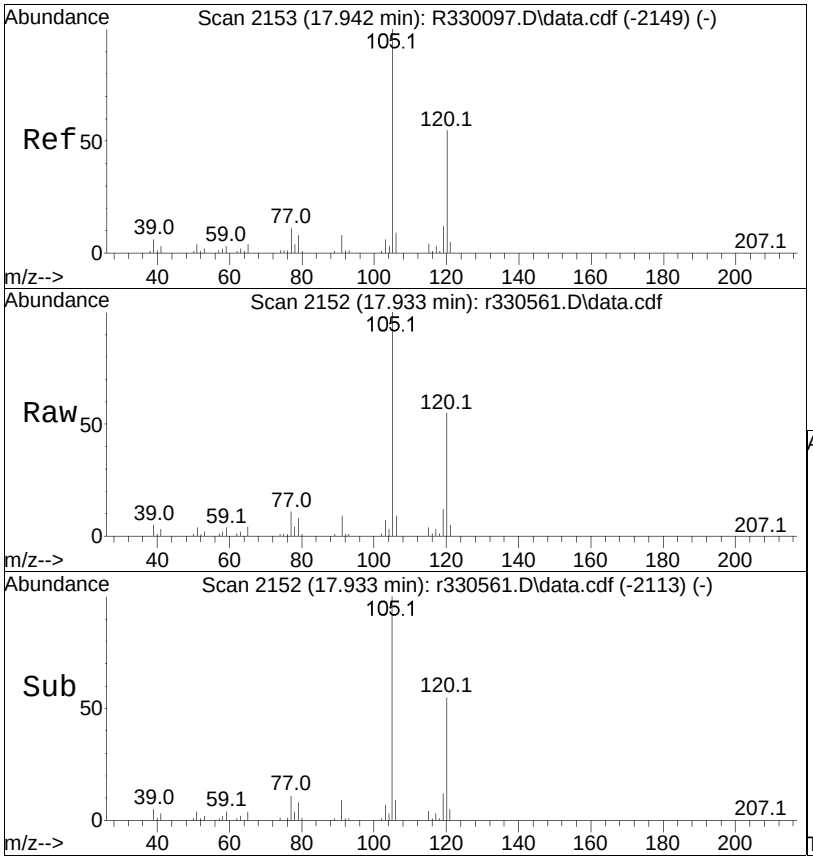


#96
4-ethyl toluene
Concen: 8.47 ppbV
RT: 17.867 min Scan# 2144
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion:105 Resp: 1516892

Ion	Ratio	Lower	Upper
105	100		
120	35.8	27.2	40.8
91	10.0	7.1	10.7

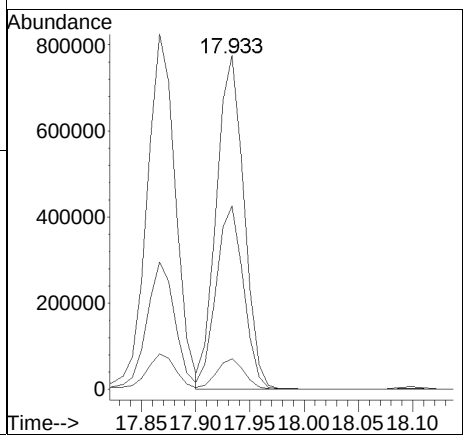


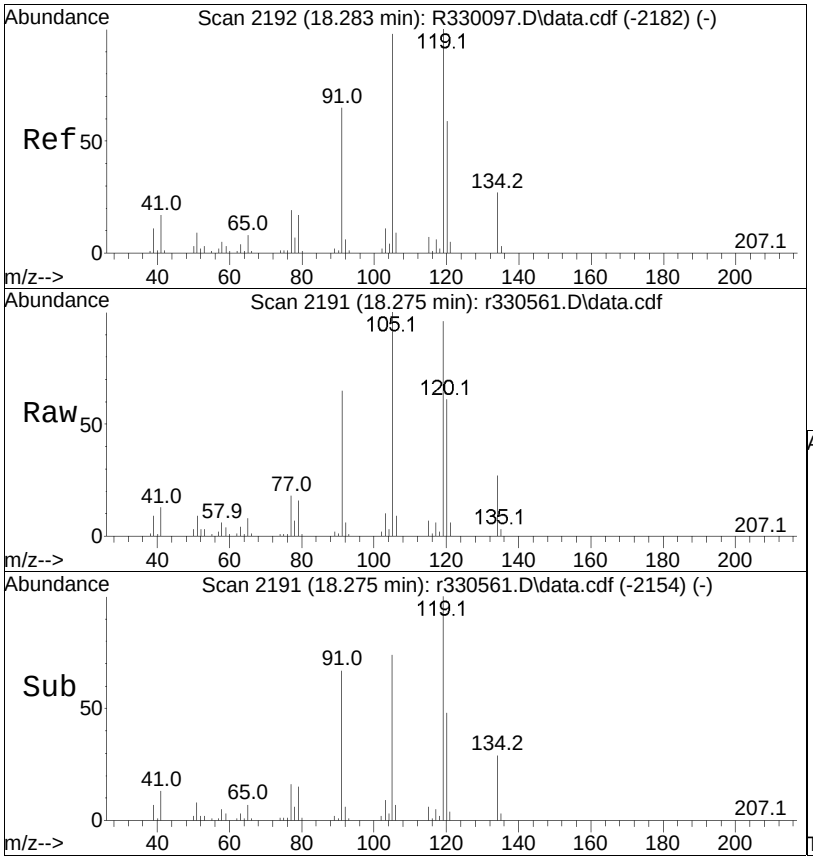


#97
1,3,5-trimethylbenzene
Concen: 8.79 ppbV
RT: 17.933 min Scan# 2152
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion:105 Resp: 1369896

Ion	Ratio	Lower	Upper
105	100		
120	54.9	43.1	64.7
91	9.2	6.8	10.2

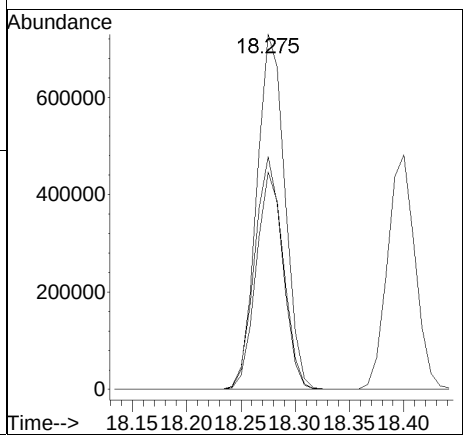


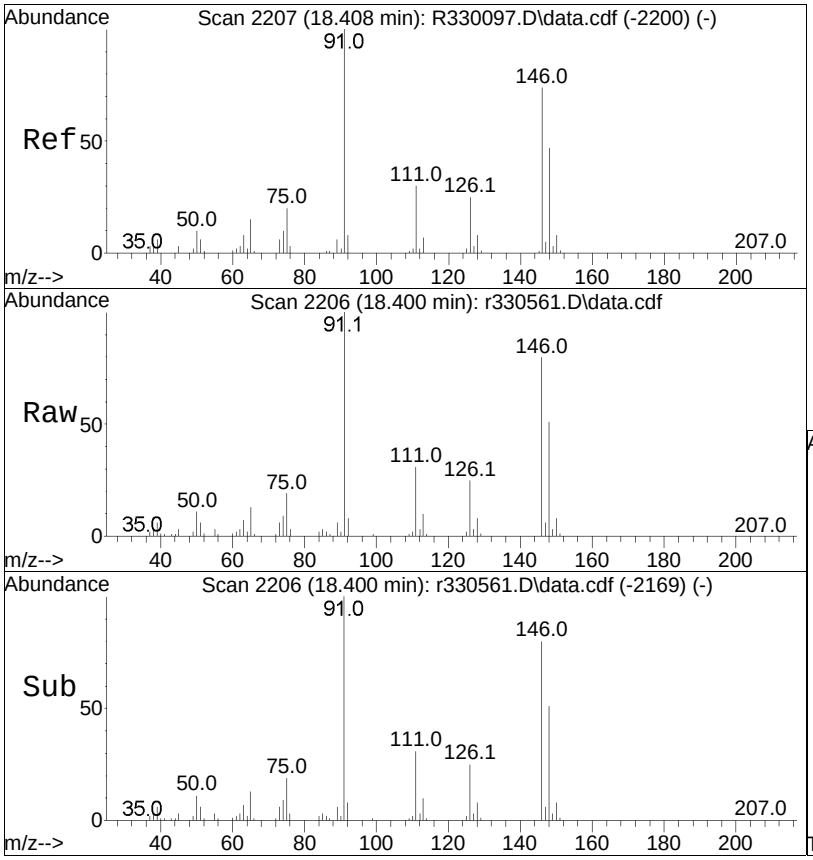


#99
1,2,4-trimethylbenzene
Concen: 8.79 ppbV
RT: 18.275 min Scan# 2191
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion:105 Resp: 1315424

Ion	Ratio	Lower	Upper
105	100		
120	61.2	47.8	71.8
91	65.5	53.4	80.0

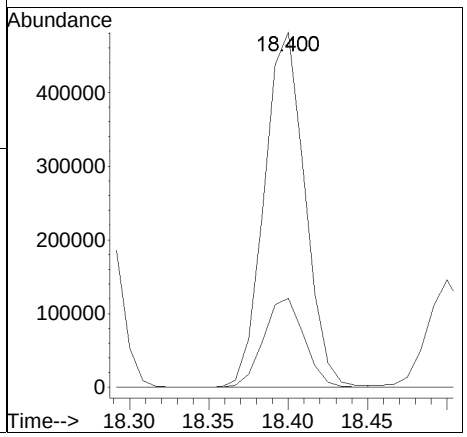


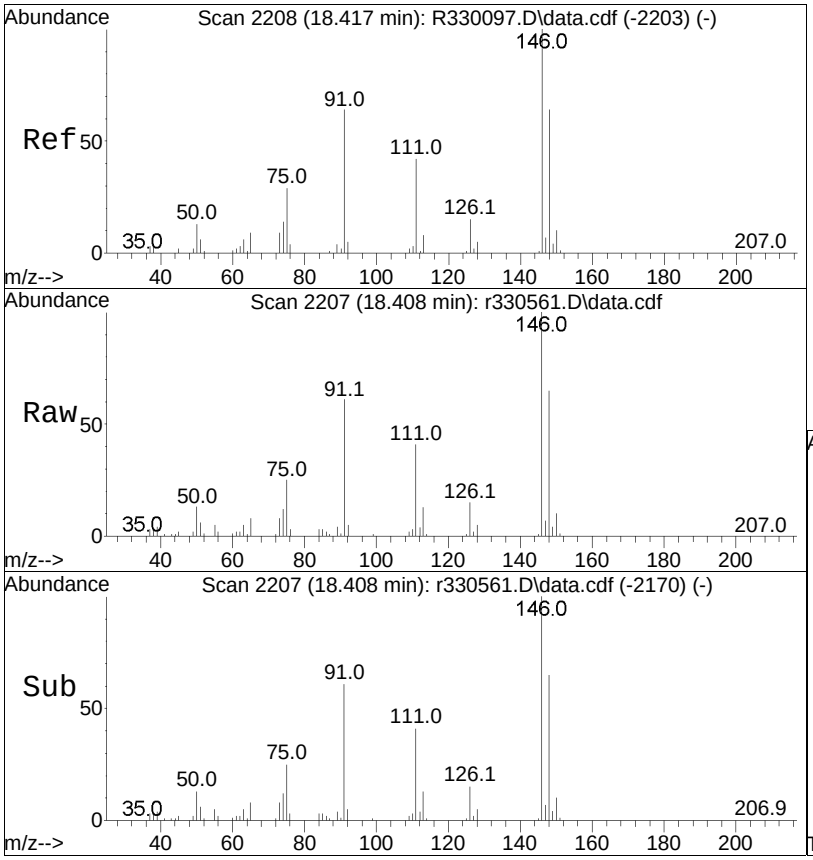


#101
Benzyl Chloride
Concen: 9.04 ppbV
RT: 18.400 min Scan# 2206
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion: 91 Resp: 855835

Ion	Ratio	Lower	Upper
91	100		
126	25.1	20.1	30.1

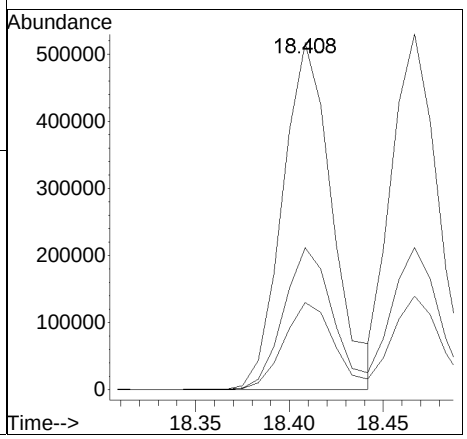


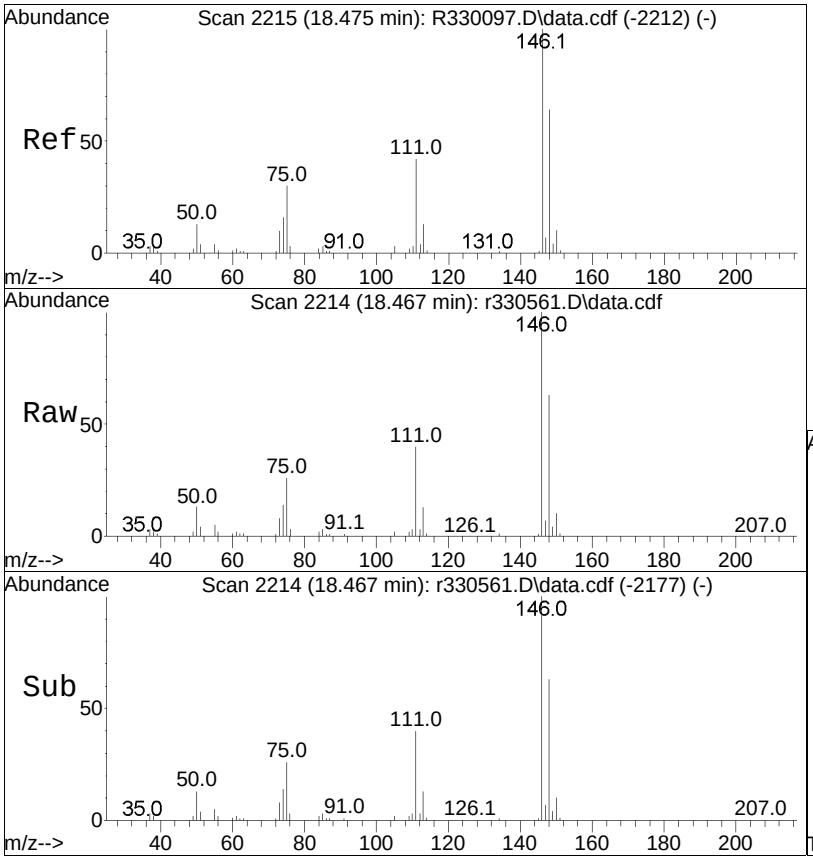


#102
1,3-dichlorobenzene
Concen: 9.56 ppbV
RT: 18.408 min Scan# 2207
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion:146 Resp: 952185

Ion	Ratio	Lower	Upper
146	100		
111	40.9	33.5	50.3
75	25.1	22.9	34.3

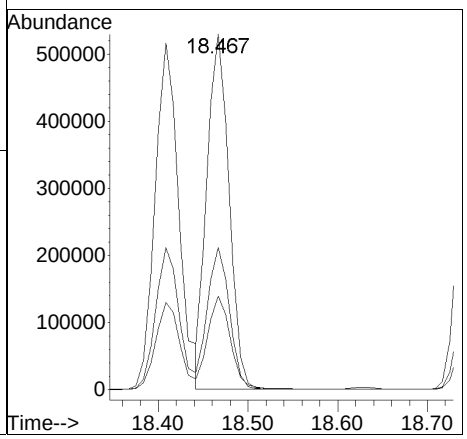


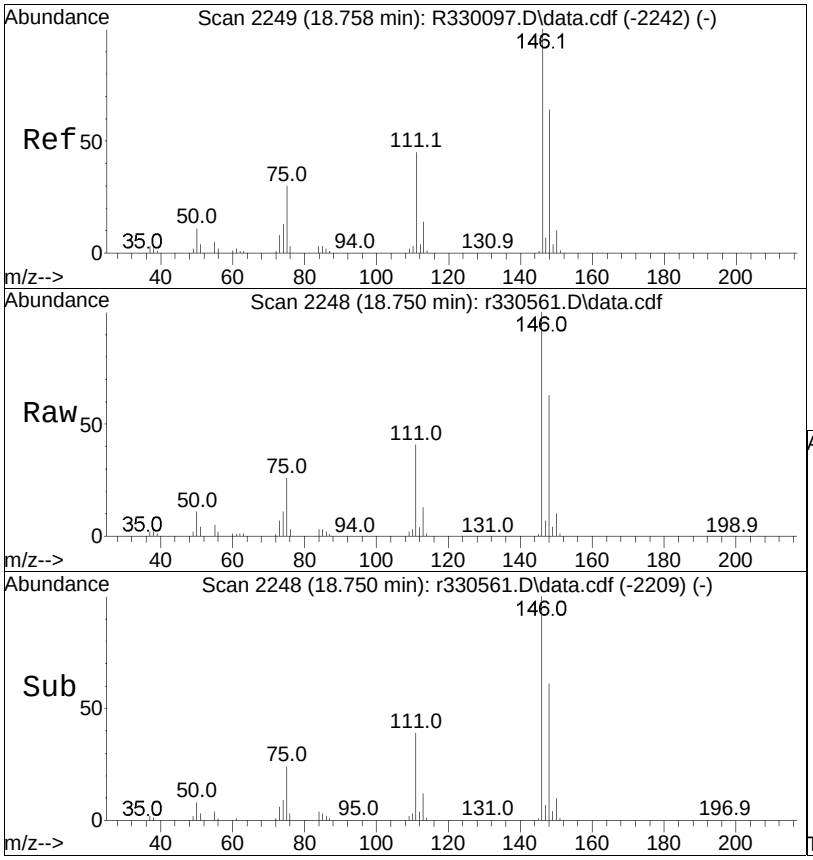


#103
1,4-dichlorobenzene
Concen: 9.09 ppbV
RT: 18.467 min Scan# 2214
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion:146 Resp: 905769

Ion	Ratio	Lower	Upper
146	100		
111	40.0	33.4	50.0
75	26.3	23.6	35.4

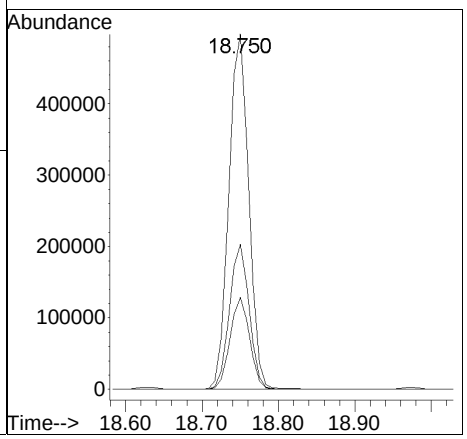


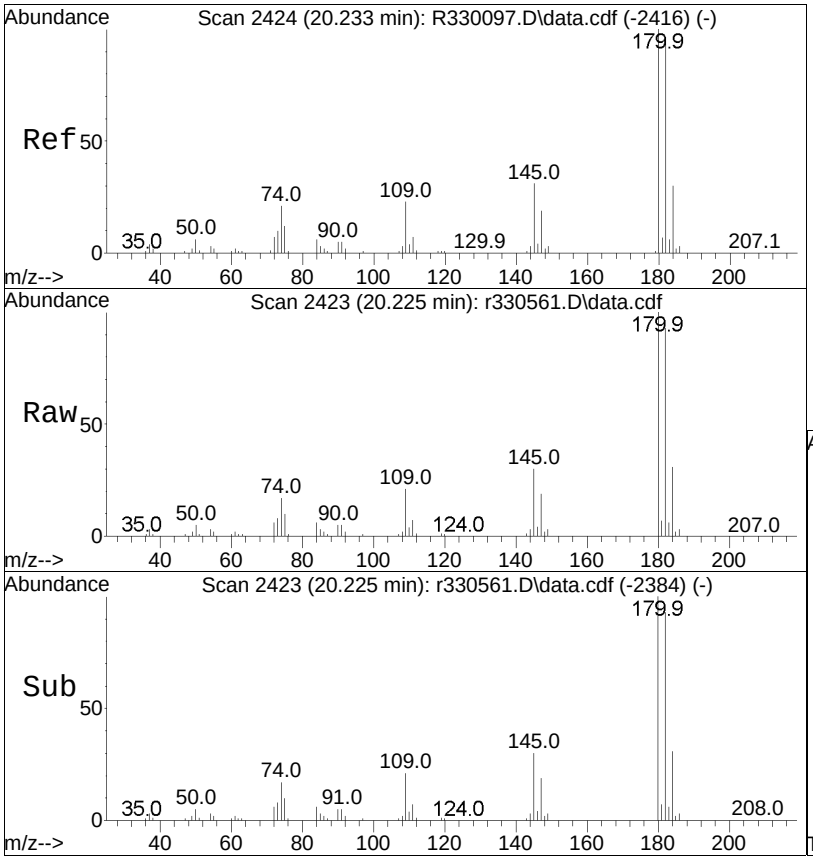


#107
1,2-dichlorobenzene
Concen: 9.32 ppbV
RT: 18.750 min Scan# 2248
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion:146 Resp: 900350

Ion	Ratio	Lower	Upper
146	100		
111	40.8	35.7	53.5
75	25.9	24.1	36.1

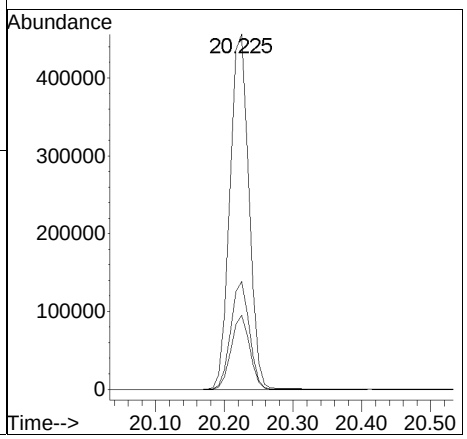


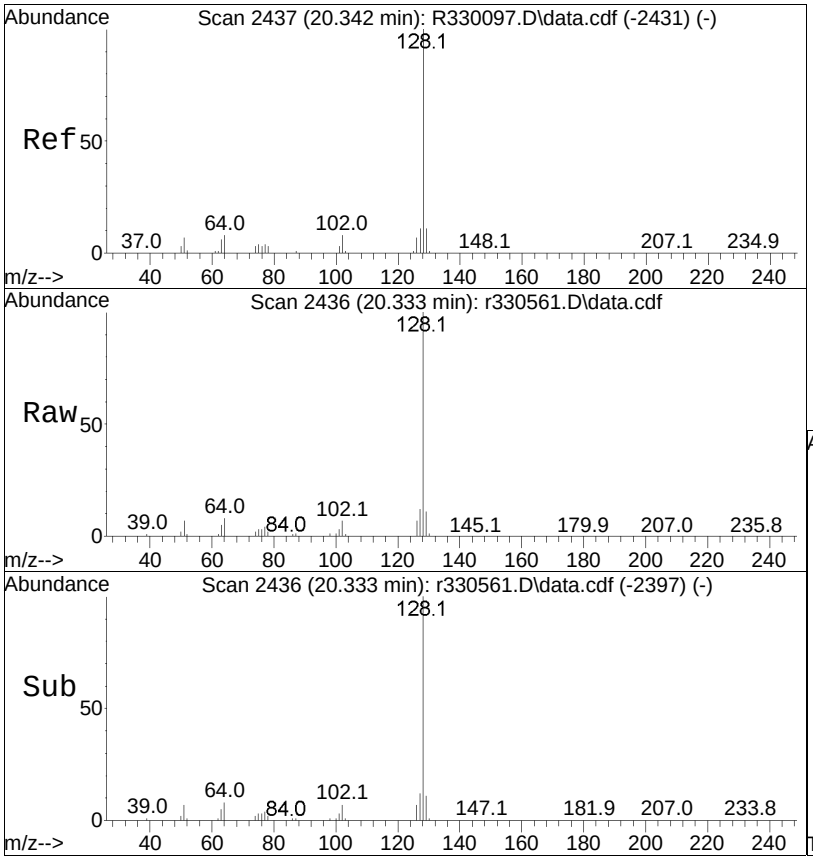


#115
1,2,4-trichlorobenzene
Concen: 10.69 ppbV
RT: 20.225 min Scan# 2423
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion:180 Resp: 880077

Ion	Ratio	Lower	Upper
180	100		
145	30.4	24.6	36.8
109	20.9	18.4	27.6

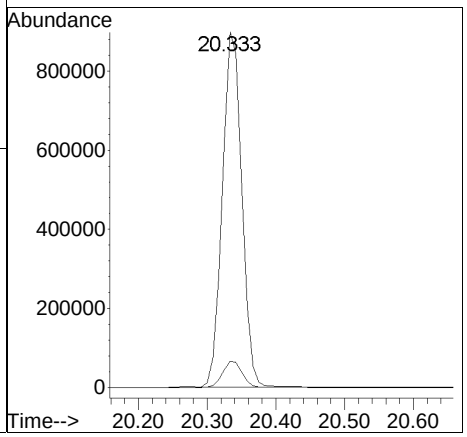


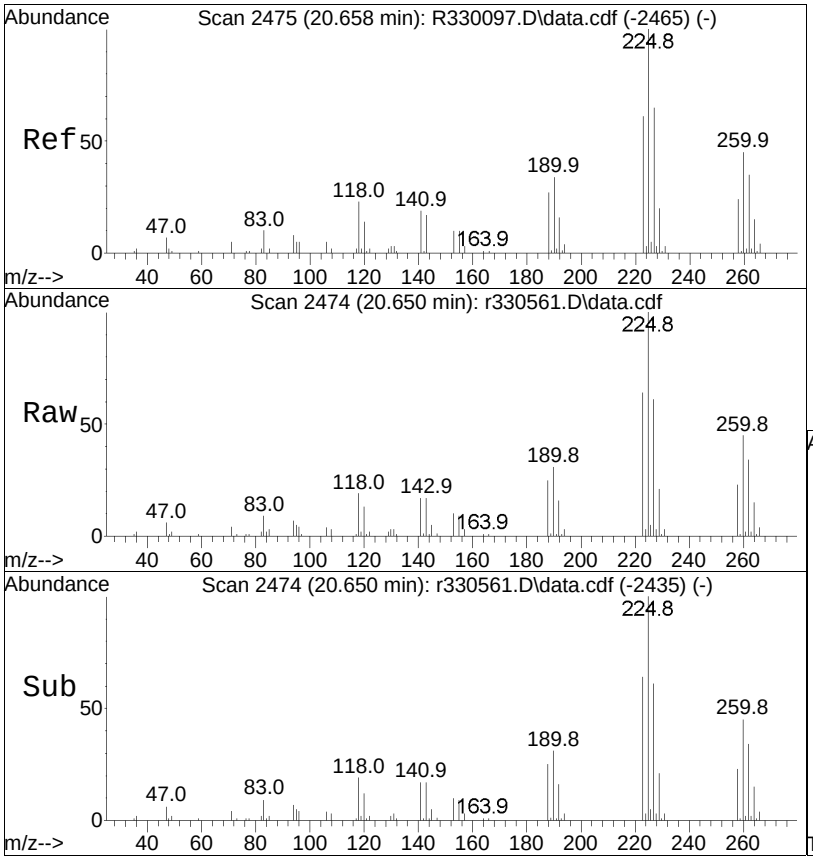


#116
naphthalene
Concen: 9.25 ppbV
RT: 20.333 min Scan# 2436
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion:128 Resp: 1765582

Ion	Ratio	Lower	Upper
128	100		
102	7.4	6.3	9.5

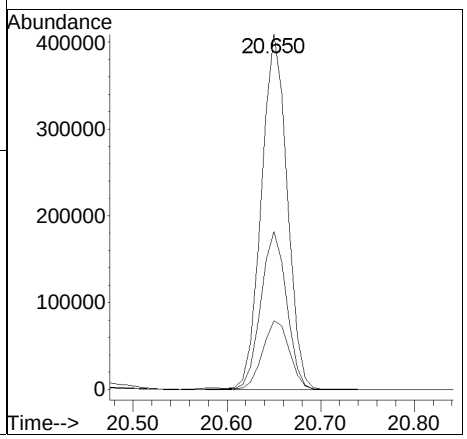




#119
hexachlorobutadiene
Concen: 10.20 ppbV
RT: 20.650 min Scan# 2474
Delta R.T. -0.008 min
Lab File: r330561.D
Acq: 23 Apr 2024 1:44 PM

Tgt Ion:225 Resp: 781305

Ion	Ratio	Lower	Upper
225	100		
260	44.5	35.8	53.6
118	19.4	18.2	27.4



Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330586.D
Acq On : 24 Apr 2024 12:44 PM
Operator : AIRPIANO3:KJD
Sample : WG1912849-3,3,250,250,,
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 14:21:44 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	bromochloromethane	10.000	10.000	0.0	108	0.02
2		chlorodifluoromethane	10.000	8.578	14.2	86	0.01
3		propylene	10.000	8.991	10.1	75	0.01
4		propane	10.000	9.621	3.8	89	0.02
5		dichlorodifluoromethane	10.000	8.712	12.9	77	0.02
6	C	chloromethane	10.000	7.185	28.2	64	0.02
7		Freon-114	10.000	9.097	9.0	79	0.02
8	C	methanol	50.000	38.491	23.0	74	0.02
9	C	vinyl chloride	10.000	9.901	1.0	88	0.02
10	C	1,3-butadiene	10.000	9.310	6.9	83	0.02
11		butane	10.000	7.047	29.5	65	0.02
13	C	bromomethane	10.000	9.827	1.7	88	0.02
14	C	chloroethane	10.000	9.728	2.7	87	0.02
15		ethanol	50.000	45.641	8.7	82	0.02
16		dichlorofluoromethane	10.000	8.440	15.6	83	0.02
17	C	vinyl bromide	10.000	11.066	-10.7	105	0.02
18	C	acrolein	10.000	7.869	21.3	70	0.02
19		acetone	50.000	43.055	13.9	78	0.02
20	C	acetonitrile	10.000	4.733	52.7#	48	0.02
21		trichlorofluoromethane	10.000	10.643	-6.4	94	0.02
22		isopropyl alcohol	25.000	19.049	23.8	70	0.02
23	C	acrylonitrile	10.000	10.293	-2.9	93	0.02
24		pentane	10.000	7.658	23.4	69	0.02
25		ethyl ether	10.000	9.794	2.1	87	0.02
26	C	1,1-dichloroethene	10.000	11.546	-15.5	105	0.02
27		tertiary butyl alcohol	10.000	11.054	-10.5	98	0.02
28	C	methylene chloride	10.000	9.380	6.2	85	0.02
29	C	3-chloropropene	10.000	8.693	13.1	78	0.02
30	C	carbon disulfide	10.000	8.517	14.8	74	0.02
31		Freon 113	10.000	10.254	-2.5	91	0.02
32		trans-1,2-dichloroethene	10.000	10.431	-4.3	93	0.03
33	C	1,1-dichloroethane	10.000	10.050	-0.5	89	0.02
34	C	MTBE	10.000	9.060	9.4	81	0.02
35	C	vinyl acetate	10.000	7.197	28.0	66	0.02
36	C	2-butanone	10.000	8.070	19.3	73	0.03
37		cis-1,2-dichloroethene	10.000	10.610	-6.1	93	0.02
38		Ethyl Acetate	10.000	11.137	-11.4	97	0.02
39	C	chloroform	10.000	9.765	2.3	86	0.02
40		Tetrahydrofuran	10.000	7.899	21.0	72	0.03

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330586.D
Acq On : 24 Apr 2024 12:44 PM
Operator : AIRPIANO3:KJD
Sample : WG1912849-3,3,250,250,,
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 14:21:44 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
41		2,2-dichloropropane	10.000	8.704	13.0	77	0.03
42	C	1,2-dichloroethane	10.000	10.001	-0.0	90	0.02
43	I	1,4-difluorobenzene	10.000	10.000	0.0	104	0.02
44	C	hexane	10.000	11.420	-14.2	99	0.02
45		diisopropyl ether	10.000	9.946	0.5	76	0.02
46		tert-butyl ethyl ether	10.000	10.712	-7.1	92	0.02
48	C	1,1,1-trichloroethane	10.000	10.916	-9.2	93	0.02
49		1,1-dichloropropene	10.000	9.030	9.7	71	0.02
50	C	benzene	10.000	8.574	14.3	75	0.02
52	C	carbon tetrachloride	10.000	9.881	1.2	83	0.02
53		cyclohexane	10.000	11.632	-16.3	100	0.02
54		tert-amyl methyl ether	10.000	8.855	11.4	76	0.02
55		dibromomethane	10.000	10.985	-9.8	95	0.01
56	C	1,2-dichloropropane	10.000	10.245	-2.4	87	0.01
57		bromodichloromethane	10.000	10.619	-6.2	88	0.02
58	C	1,4-dioxane	10.000	11.072	-10.7	96	0.02
59	C	trichloroethene	10.000	10.787	-7.9	92	0.01
60	C	2,2,4-trimethylpentane	10.000	11.799	-18.0	104	0.02
61		methyl methacrylate	10.000	9.371	6.3	79	0.01
62		heptane	10.000	8.906	10.9	77	0.01
63	C	cis-1,3-dichloropropene	10.000	9.220	7.8	77	0.02
64	C	4-methyl-2-pentanone	10.000	8.807	11.9	75	0.02
65		trans-1,3-dichloropropene	10.000	9.582	4.2	78	0.02
66	C	1,1,2-trichloroethane	10.000	11.096	-11.0	94	0.02
67	I	chlorobenzene-D5	10.000	10.000	0.0	121	0.02
68	C	toluene	10.000	9.285	7.1	93	0.00
71		1,3-dichloropropane	10.000	7.545	24.6	76	0.02
72		2-hexanone	10.000	7.712	22.9	74	0.00
74		dibromochloromethane	10.000	10.344	-3.4	100	0.02
75	C	1,2-dibromoethane	10.000	8.733	12.7	86	0.00
76		butyl acetate	10.000	7.356	26.4	74	0.00
77		octane	10.000	8.365	16.3	88	0.02
78	C	tetrachloroethene	10.000	9.302	7.0	92	0.00
79		1,1,1,2-tetrachloroethane	10.000	9.139	8.6	90	0.00
80	C	chlorobenzene	10.000	8.449	15.5	83	0.00
81	C	ethylbenzene	10.000	9.278	7.2	92	0.00
83	C	m+p-xylene	20.000	19.014	4.9	94	0.02

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330586.D
Acq On : 24 Apr 2024 12:44 PM
Operator : AIRPIANO3:KJD
Sample : WG1912849-3,3,250,250,,
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 14:21:44 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
84	C	bromoform	10.000	10.765	-7.7	99	0.00
85	C	styrene	10.000	8.871	11.3	86	0.00
86	C	1,1,2,2-tetrachloroethane	10.000	9.097	9.0	88	0.00
87	C	o-xylene	10.000	9.477	5.2	93	0.00
88		1,2,3-trichloropropane	10.000	7.951	20.5	79	0.00
89		nonane	10.000	7.260	27.4	72	0.02
91	C	isopropylbenzene	10.000	8.865	11.3	87	0.00
92		bromobenzene	10.000	8.178	18.2	82	0.00
93		2-chlorotoluene	10.000	9.130	8.7	91	0.00
94		n-propylbenzene	10.000	8.795	12.1	87	0.02
95		4-chlorotoluene	10.000	9.094	9.1	92	0.00
96		4-ethyl toluene	10.000	9.045	9.6	88	0.02
97		1,3,5-trimethylbenzene	10.000	9.024	9.8	89	0.00
98		tert-butylbenzene	10.000	8.687	13.1	84	0.00
99		1,2,4-trimethylbenzene	10.000	8.887	11.1	86	0.02
100		decane	10.000	9.479	5.2	94	0.00
101	C	Benzyl Chloride	10.000	9.573	4.3	87	0.00
102		1,3-dichlorobenzene	10.000	9.681	3.2	90	0.00
103	C	1,4-dichlorobenzene	10.000	9.265	7.3	91	0.00
104		sec-butylbenzene	10.000	8.582	14.2	85	0.00
106		p-isopropyltoluene	10.000	8.420	15.8	82	0.00
107		1,2-dichlorobenzene	10.000	9.274	7.3	90	0.00
108		n-butylbenzene	10.000	9.673	3.3	95	0.00
111	C	1,2-dibromo-3-chloropropane	10.000	8.153	18.5	78	0.00
112		undecane	10.000	9.682	3.2	95	0.00
114		dodecane	10.000	10.015	-0.2	92	0.02
115	C	1,2,4-trichlorobenzene	10.000	9.799	2.0	87	0.00
116		naphthalene	10.000	9.836	1.6	93	0.02
117		1,2,3-trichlorobenzene	10.000	9.916	0.8	94	0.00
119	C	hexachlorobutadiene	10.000	9.481	5.2	90	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330586.D
Acq On : 24 Apr 2024 12:44 PM
Operator : AIRPIANO3:KJD
Sample : WG1912849-3,3,250,250,,
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 14:21:44 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	8.842	49	357532	10.000	ppbV		0.02
Standard Area = 349686			Recovery = 102.24%				
43) 1,4-difluorobenzene	11.073	114	1195845	10.000	ppbV		0.02
Standard Area = 1160525			Recovery = 103.04%				
67) chlorobenzene-D5	15.833	54	166889	10.000	ppbV		0.02
Standard Area = 168249			Recovery = 99.19%				
System Monitoring Compounds							
Target Compounds							Qvalue
5) dichlorodifluoromethane	3.810	85	339522	8.712	ppbV		98
6) chloromethane	3.966	50	139954	7.185	ppbV		95
7) Freon-114	4.068	85	421231	9.097	ppbV		94
9) vinyl chloride	4.188	62	214221	9.901	ppbV		99
10) 1,3-butadiene	4.326	54	159066	9.310	ppbV		91
13) bromomethane	4.596	94	164743	9.827	ppbV		95
14) chloroethane	4.776	64	108753	9.728	ppbV		99
15) ethanol	4.902	31	558181	45.641	ppbV	#	80
17) vinyl bromide	5.150	106	145591	11.066	ppbV		99
19) acetone	5.410	43	1675352	43.055	ppbV	#	80
21) trichlorofluoromethane	5.603	101	421782	10.643	ppbV		98
22) isopropyl alcohol	5.683	45	988135	19.049	ppbV	#	96
26) 1,1-dichloroethene	6.292	61	416303	11.546	ppbV		97
27) tertiary butyl alcohol	6.340	59	569516	11.054	ppbV	#	90
28) methylene chloride	6.436	49	268474	9.380	ppbV		98
29) 3-chloropropene	6.562	41	393396	8.693	ppbV		96
30) carbon disulfide	6.730	76	758447	8.517	ppbV		98
31) Freon 113	6.730	101	479858	10.254	ppbV		98
32) trans-1,2-dichloroethene	7.483	61	413287	10.431	ppbV		99
33) 1,1-dichloroethane	7.700	63	520196	10.050	ppbV		98
34) MTBE	7.767	73	702848	9.060	ppbV	#	94
36) 2-butanone	8.150	43	537029	8.070	ppbV	#	94
37) cis-1,2-dichloroethene	8.650	61	388813	10.610	ppbV		98
38) Ethyl Acetate	8.925	61	110971	11.137	ppbV		65
39) chloroform	8.992	83	430386	9.765	ppbV		96
40) Tetrahydrofuran	9.433	42	339328	7.899	ppbV		94
42) 1,2-dichloroethane	9.825	62	282876	10.001	ppbV		97
44) hexane	8.908	57	512315	11.420	ppbV	#	58

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330586.D
Acq On : 24 Apr 2024 12:44 PM
Operator : AIRPIANO3:KJD
Sample : WG1912849-3,3,250,250,,
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 14:21:44 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,1-trichloroethane	10.117	97	392993	10.916	ppbV		97
50) benzene	10.647	78	870199	8.574	ppbV	#	93
52) carbon tetrachloride	10.820	117	324525	9.881	ppbV		98
53) cyclohexane	10.960	56	553974	11.632	ppbV	#	86
56) 1,2-dichloropropane	11.593	63	363344	10.245	ppbV		96
57) bromodichloromethane	11.827	83	461169	10.619	ppbV		97
58) 1,4-dioxane	11.867	88	220818	11.072	ppbV		94
59) trichloroethene	11.873	130	381004	10.787	ppbV		99
60) 2,2,4-trimethylpentane	11.927	57	1713144	11.799	ppbV	#	90
62) heptane	12.240	43	579402	8.906	ppbV	#	81
63) cis-1,3-dichloropropene	12.892	75	469490	9.220	ppbV		97
64) 4-methyl-2-pentanone	12.933	43	675646	8.807	ppbV	#	83
65) trans-1,3-dichloropropene	13.517	75	371542	9.582	ppbV		97
66) 1,1,2-trichloroethane	13.717	97	367473	11.096	ppbV		94
68) toluene	14.042	91	1103609	9.285	ppbV		99
72) 2-hexanone	14.333	43	616022	7.712	ppbV	#	79
74) dibromochloromethane	14.500	129	493554	10.344	ppbV		100
75) 1,2-dibromoethane	14.750	107	513191	8.733	ppbV		97
78) tetrachloroethene	15.217	166	497155	9.302	ppbV		99
80) chlorobenzene	15.867	112	866522	8.449	ppbV		97
81) ethylbenzene	16.225	91	1386276	9.278	ppbV		94
83) m+p-xylene	16.392	91	2278451	19.014	ppbV		93
84) bromoform	16.450	173	498905	10.765	ppbV		100
85) styrene	16.717	104	959188	8.871	ppbV		99
86) 1,1,2,2-tetrachloroethane	16.808	83	781161	9.097	ppbV		99
87) o-xylene	16.808	91	1125215	9.477	ppbV		93
96) 4-ethyl toluene	17.892	105	1598516	9.045	ppbV		98
97) 1,3,5-trimethylbenzene	17.950	105	1388688	9.024	ppbV		99
99) 1,2,4-trimethylbenzene	18.300	105	1312461	8.887	ppbV		96
101) Benzyl Chloride	18.417	91	894364	9.573	ppbV		100
102) 1,3-dichlorobenzene	18.425	146	951680	9.681	ppbV		95
103) 1,4-dichlorobenzene	18.483	146	911485	9.265	ppbV		95
107) 1,2-dichlorobenzene	18.767	146	883926	9.274	ppbV		94
115) 1,2,4-trichlorobenzene	20.242	180	796157	9.799	ppbV		97
116) naphthalene	20.358	128	1852214	9.836	ppbV		99
119) hexachlorobutadiene	20.667	225	716825	9.481	ppbV		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330586.D
Acq On : 24 Apr 2024 12:44 PM
Operator : AIRPIANO3:KJD
Sample : WG1912849-3,3,250,250,,
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 14:21:44 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

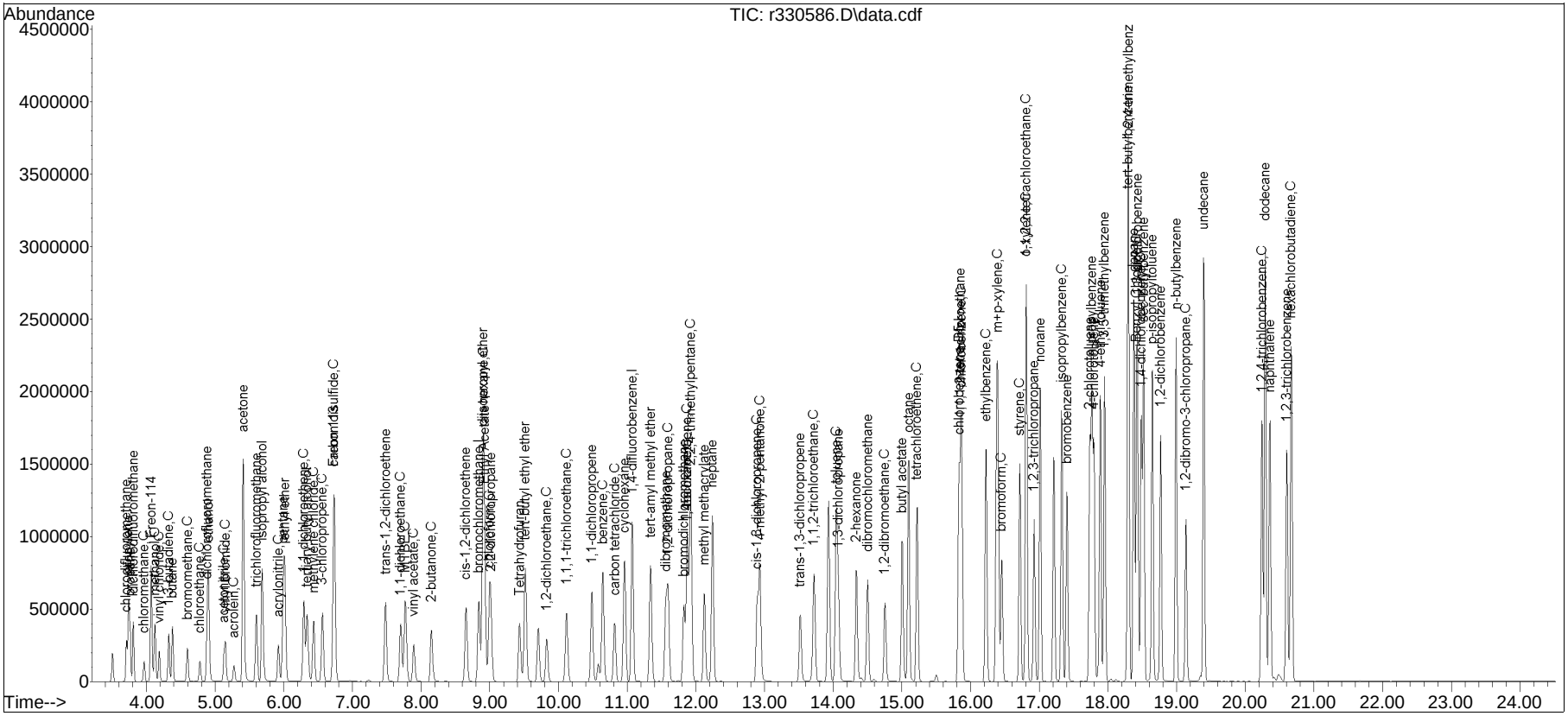
CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : Default-LCS-AP2 - All compounds listed

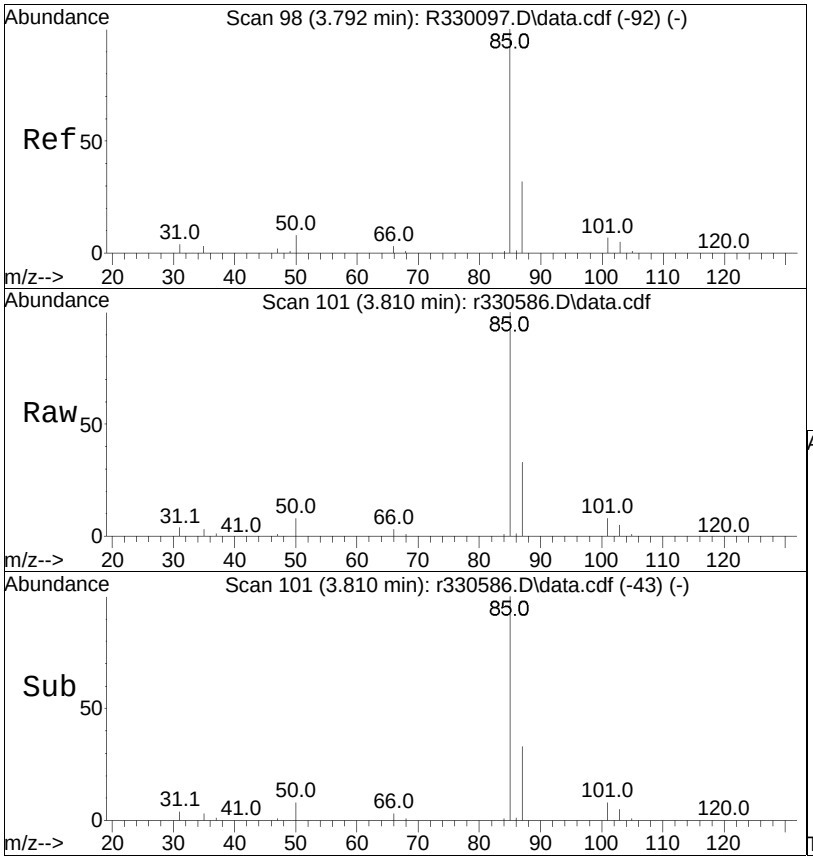
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : Default-LCS-AP2 - All compounds listed24T\r330584.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330586.D
Acq On : 24 Apr 2024 12:44 PM
Operator : AIRPIANO3:KJD
Sample : WG1912849-3,3,250,250,,
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 14:21:44 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

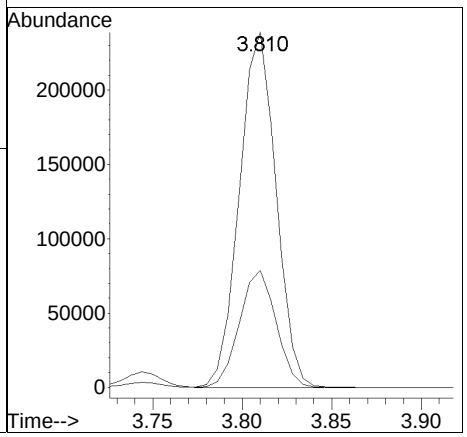


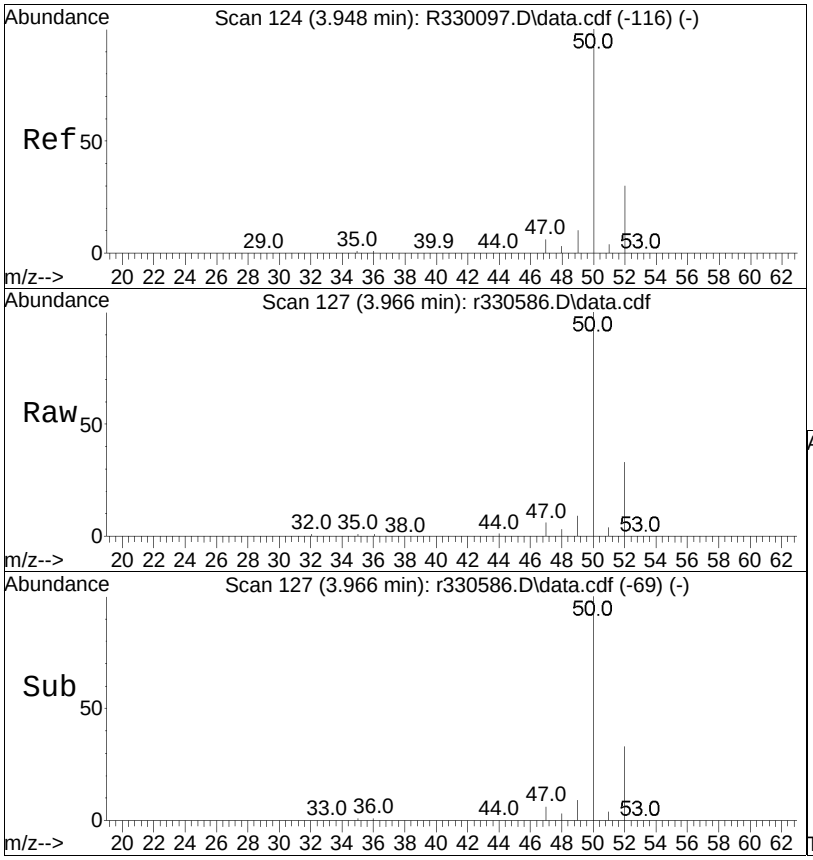


#5
dichlorodifluoromethane
Concen: 8.71 ppbV
RT: 3.810 min Scan# 101
Delta R.T. 0.018 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 85 Resp: 339522

Ion	Ratio	Lower	Upper
85	100		
87	33.0	25.4	38.2

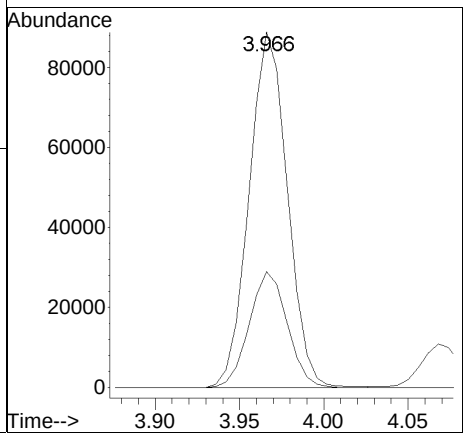


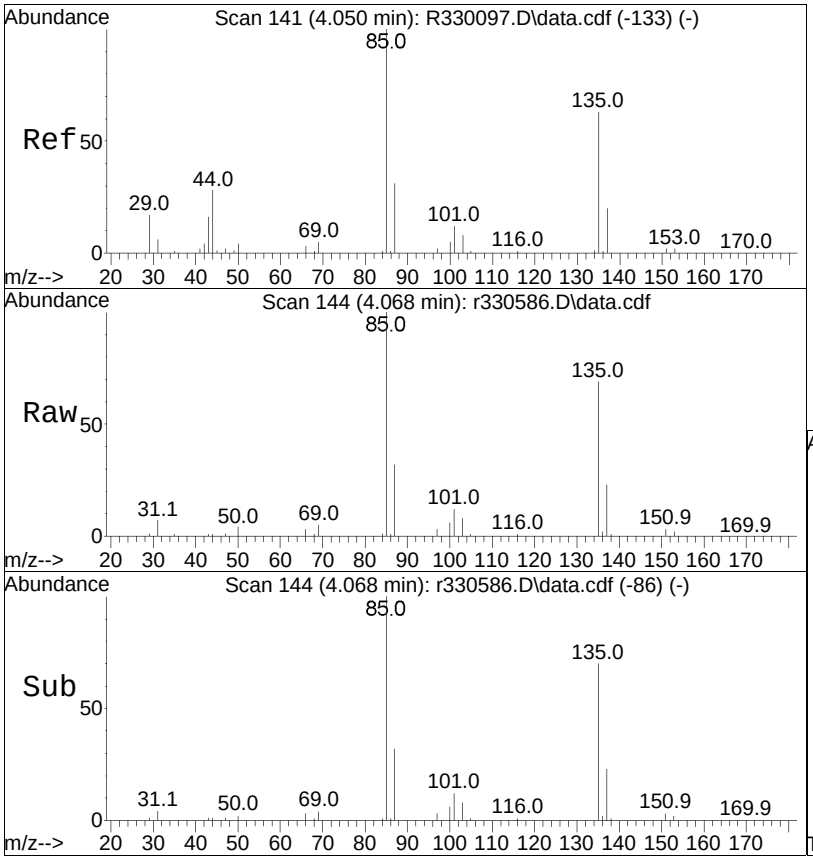


#6
chloromethane
Concen: 7.19 ppbV
RT: 3.966 min Scan# 127
Delta R.T. 0.018 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 50 Resp: 139954

Ion	Ratio	Lower	Upper
50	100		
52	32.6	24.0	36.0

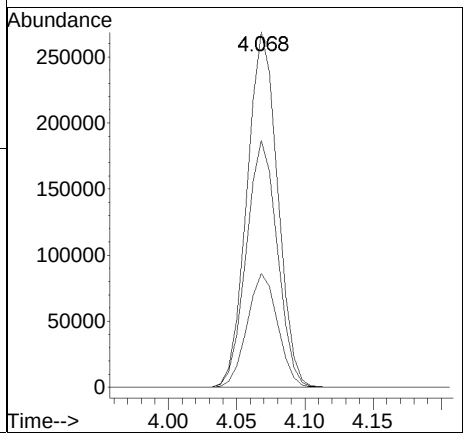


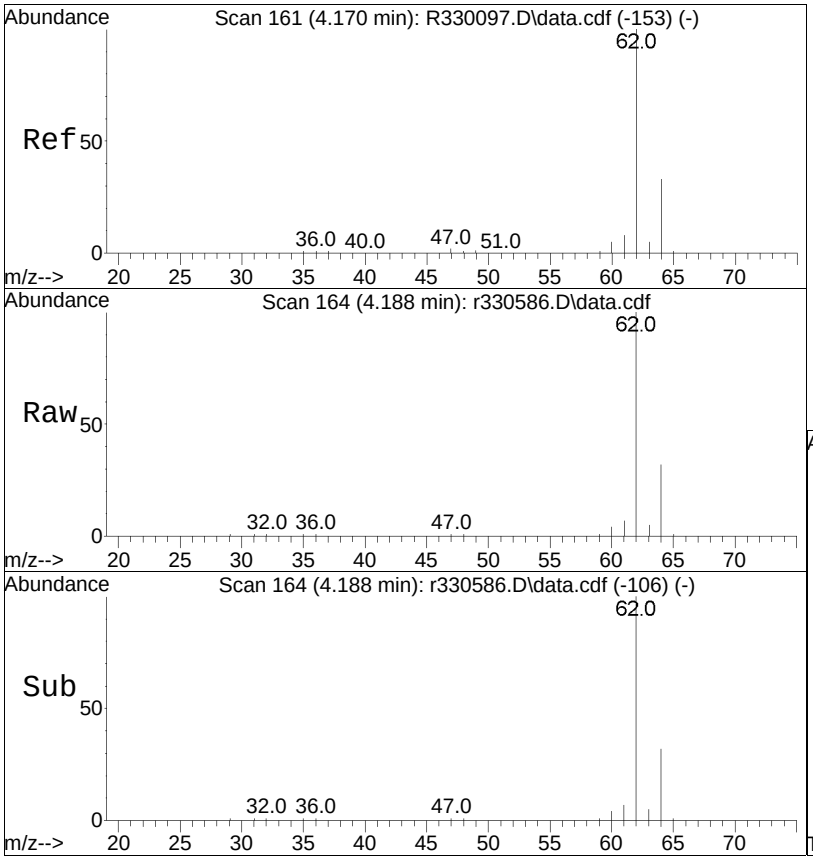


#7
Freon-114
Concen: 9.10 ppbV
RT: 4.068 min Scan# 144
Delta R.T. 0.018 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 85 Resp: 421231

Ion	Ratio	Lower	Upper
85	100		
87	32.1	24.9	37.3
135	69.5	50.5	75.7

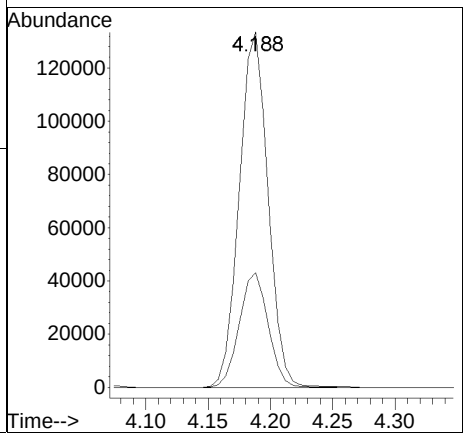


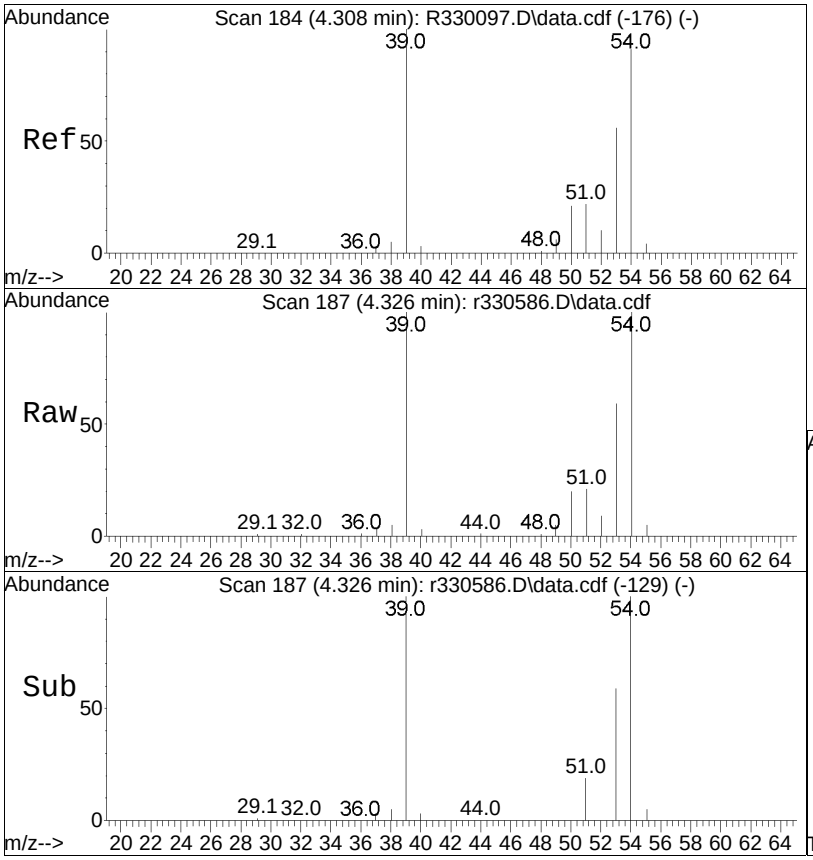


#9
vinyl chloride
Concen: 9.90 ppbV
RT: 4.188 min Scan# 164
Delta R.T. 0.018 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 62 Resp: 214221

Ion	Ratio	Lower	Upper
62	100		
64	32.3	26.4	39.6

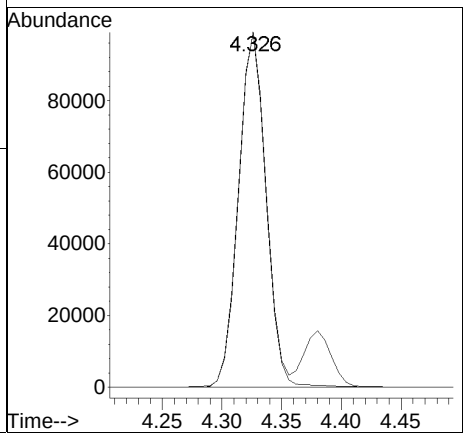


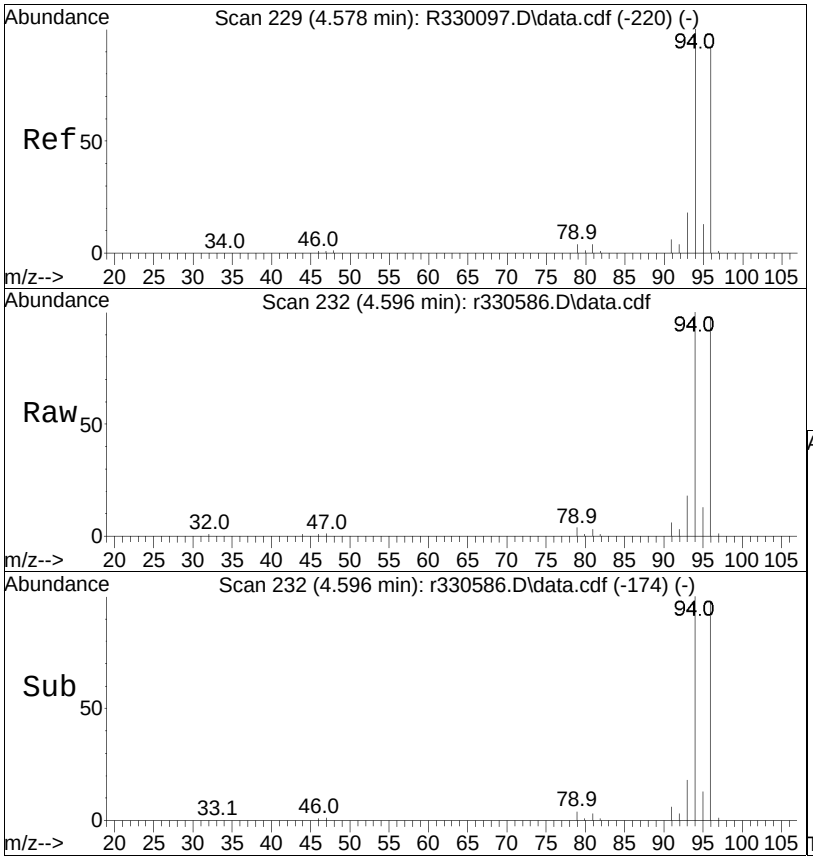


#10
1,3-butadiene
Concen: 9.31 ppbV
RT: 4.326 min Scan# 187
Delta R.T. 0.018 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 54 Resp: 159066

Ion	Ratio	Lower	Upper
54	100		
39	100.4	88.2	132.4

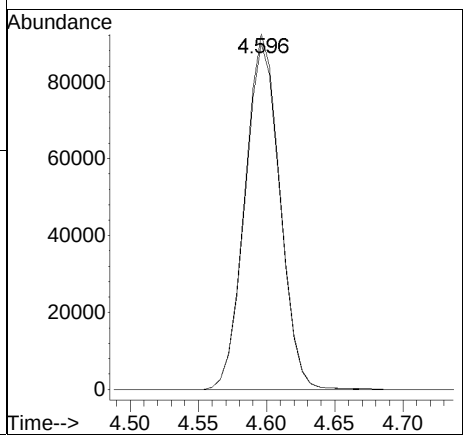


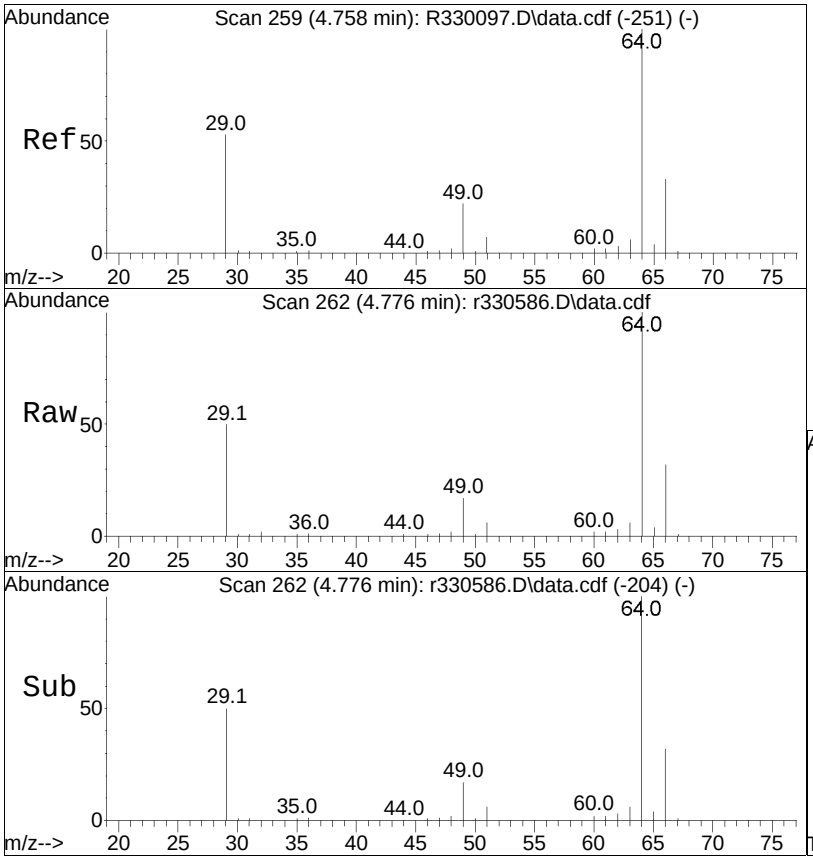


#13
bromomethane
Concen: 9.83 ppbV
RT: 4.596 min Scan# 232
Delta R.T. 0.018 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 94 Resp: 164743

Ion	Ratio	Lower	Upper
94	100		
96	97.4	73.8	110.8

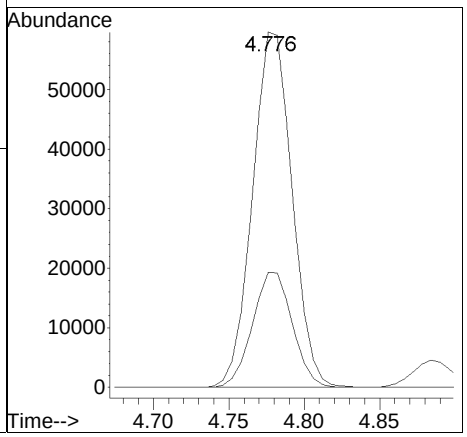


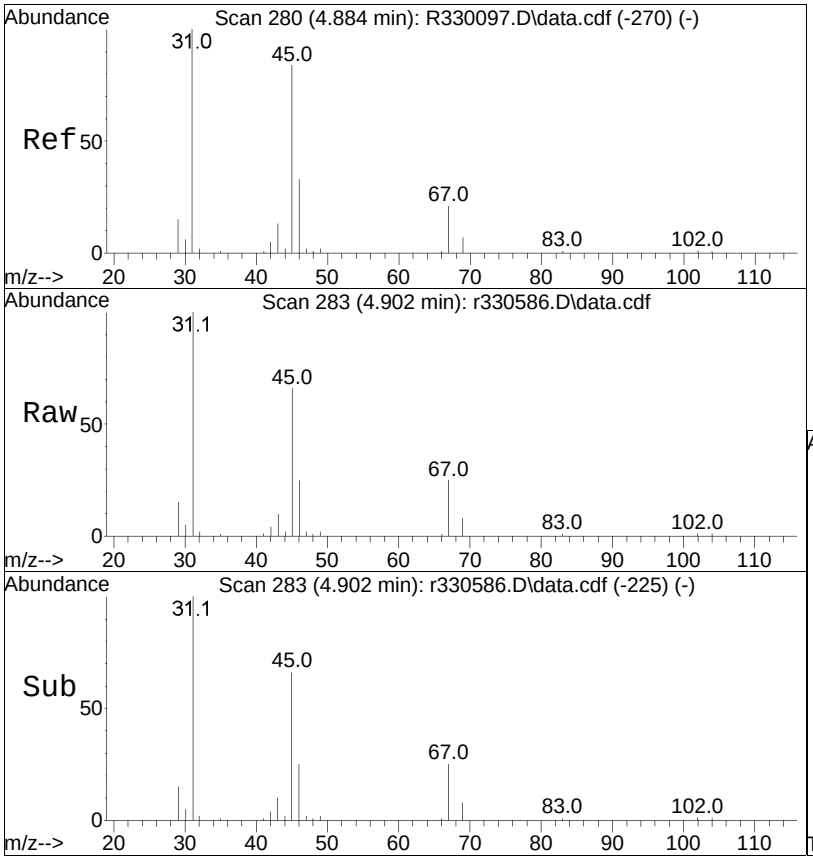


#14
chloroethane
Concen: 9.73 ppbV
RT: 4.776 min Scan# 262
Delta R.T. 0.018 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 64 Resp: 108753

Ion	Ratio	Lower	Upper
64	100		
66	32.3	26.2	39.2

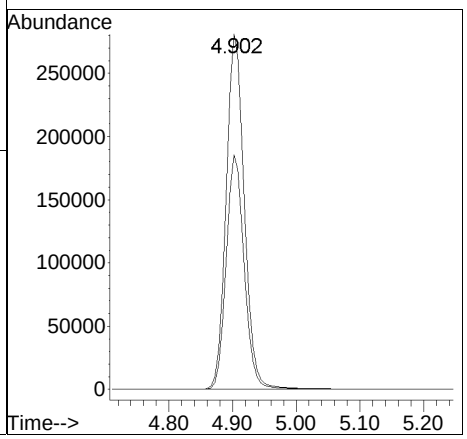


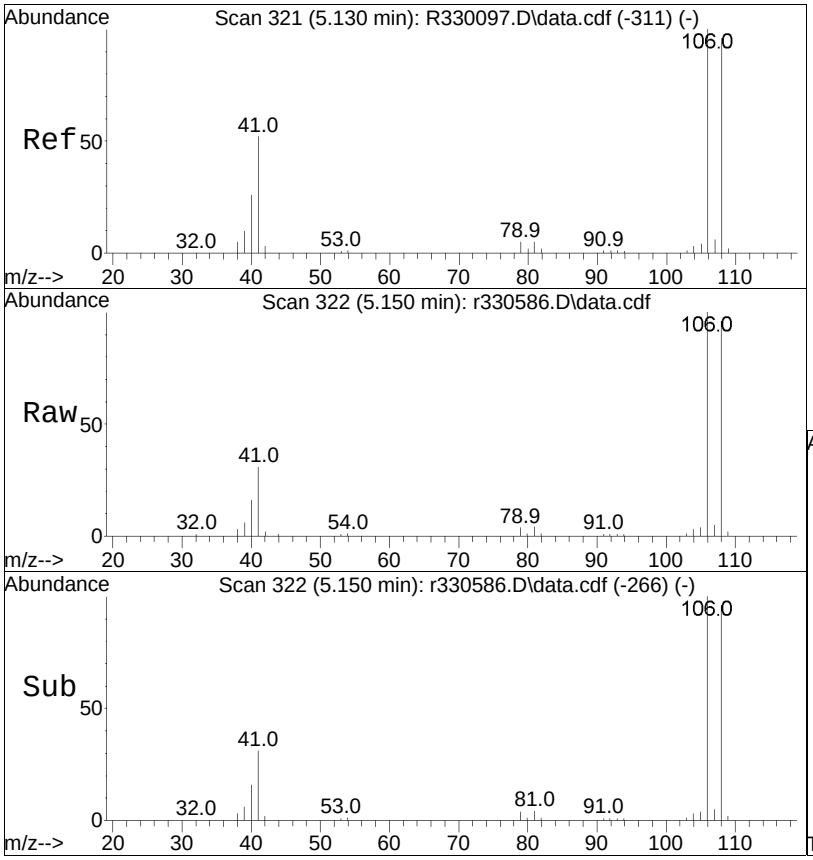


#15
ethanol
Concen: 45.64 ppbV
RT: 4.902 min Scan# 283
Delta R.T. 0.018 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 31 Resp: 558181

Ion	Ratio	Lower	Upper
31	100		
45	66.0	67.5	101.3#

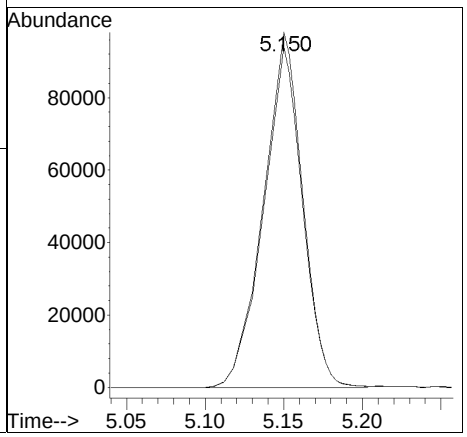


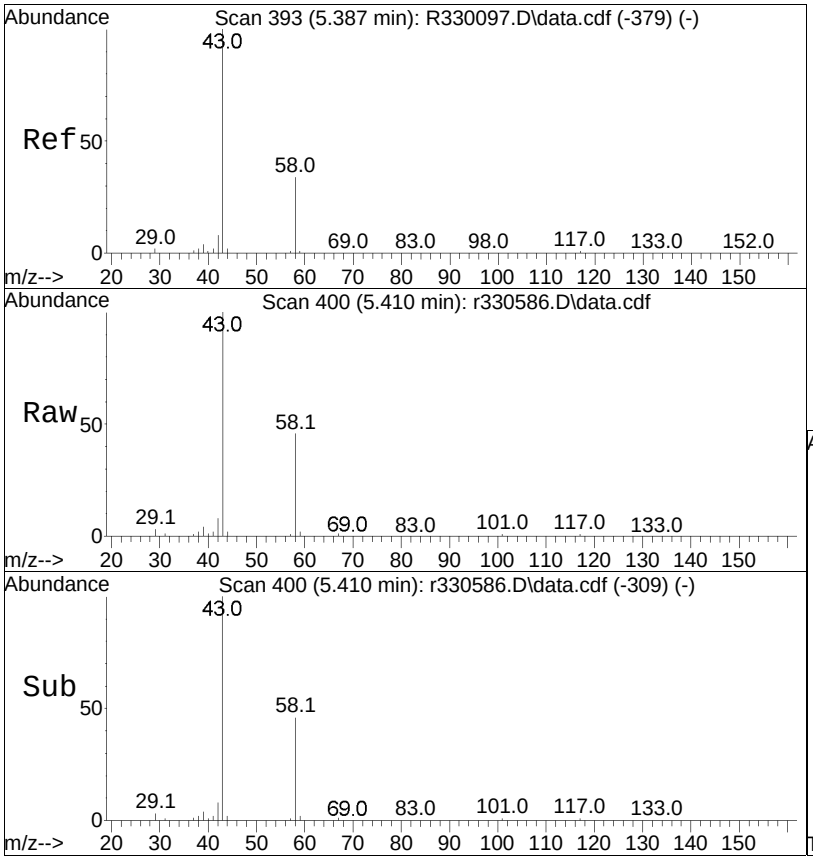


#17
vinyl bromide
Concen: 11.07 ppbV
RT: 5.150 min Scan# 322
Delta R.T. 0.020 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion:106 Resp: 145591

Ion	Ratio	Lower	Upper
106	100		
108	95.9	77.1	115.7

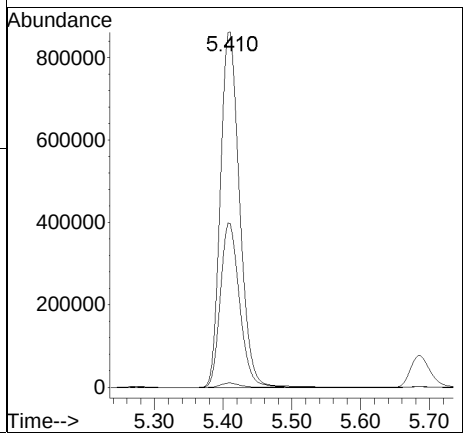


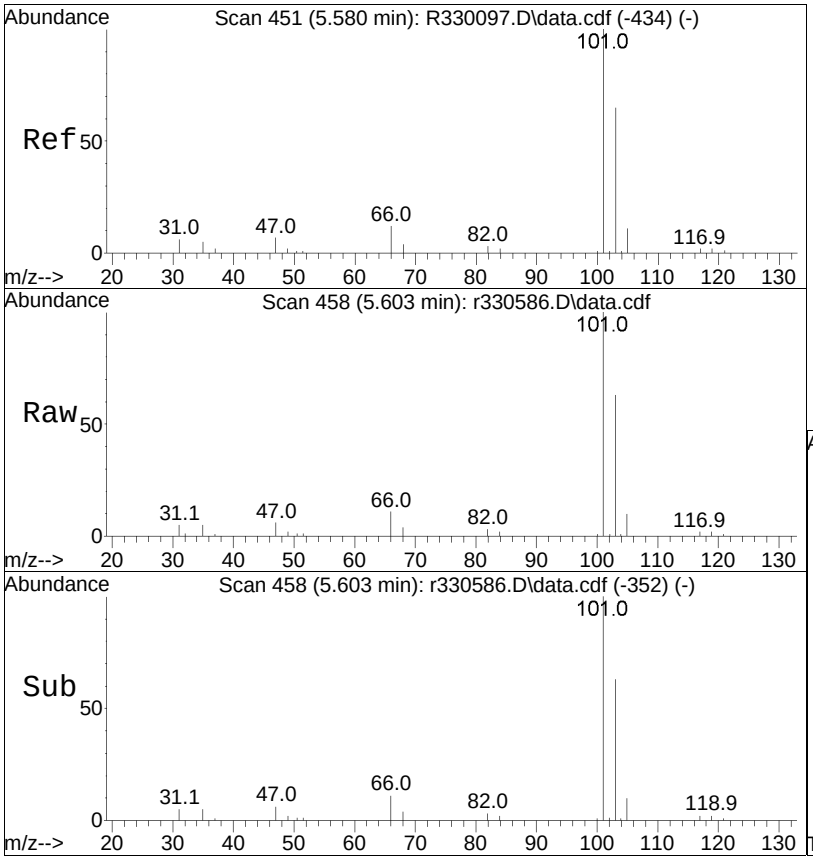


#19
acetone
Concen: 43.05 ppbV
RT: 5.410 min Scan# 400
Delta R.T. 0.023 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 43 Resp: 1675352

Ion	Ratio	Lower	Upper
43	100		
58	46.1	27.3	40.9#
57	1.2	0.8	1.2#

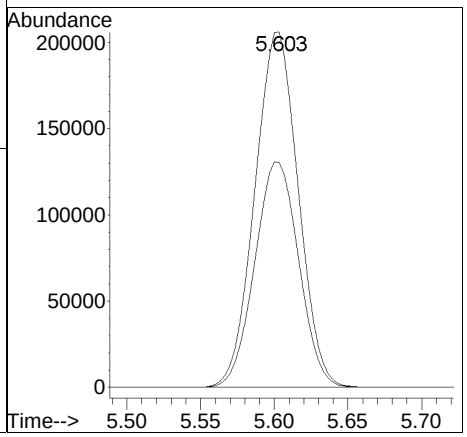


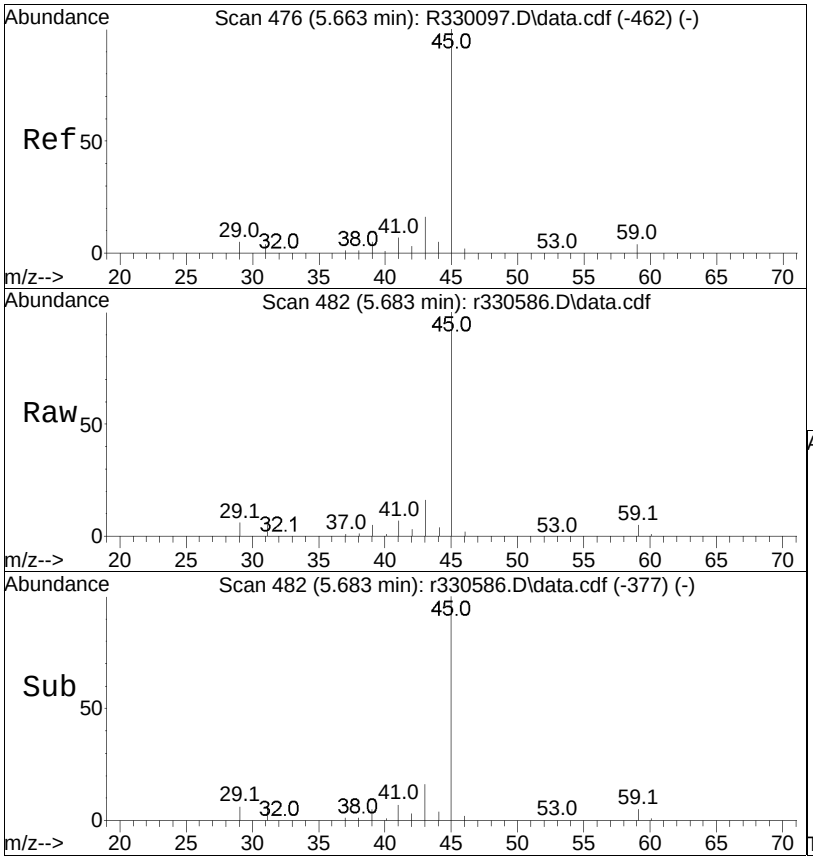


#21
trichlorofluoromethane
Concen: 10.64 ppbV
RT: 5.603 min Scan# 458
Delta R.T. 0.023 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion:101 Resp: 421782

Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.0	78.0

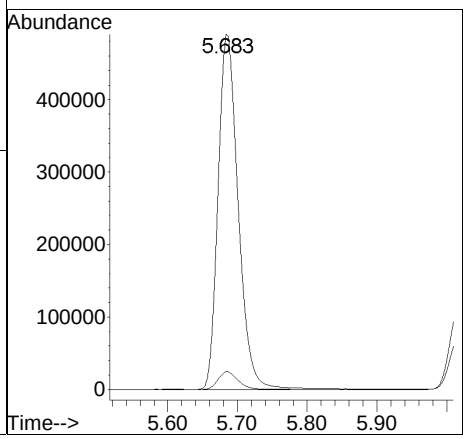


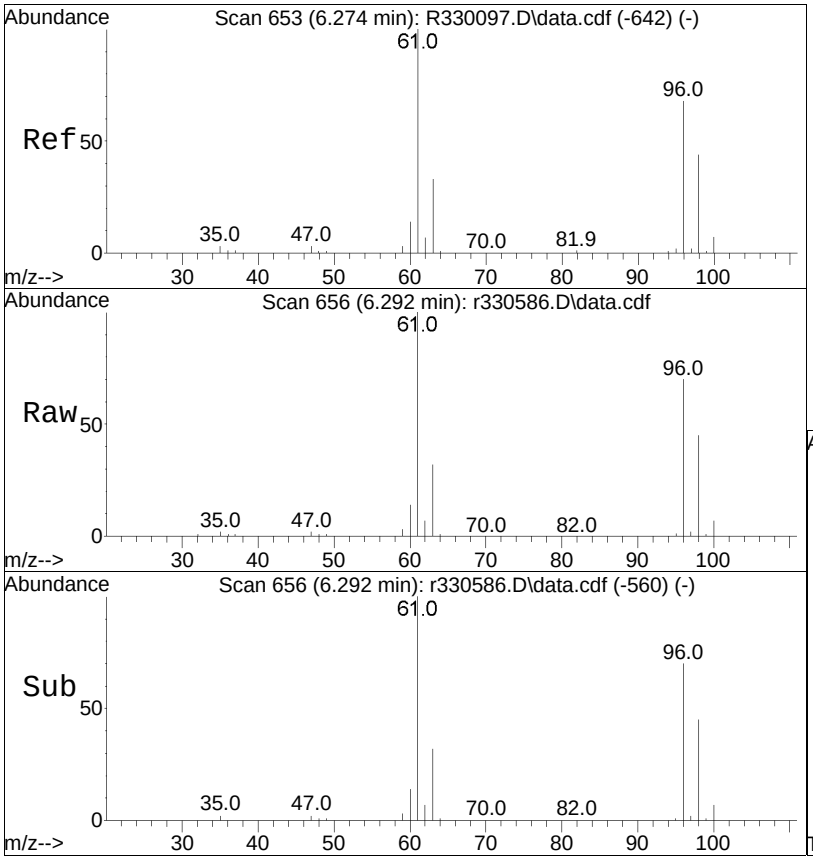


#22
isopropyl alcohol
Concen: 19.05 ppbV
RT: 5.683 min Scan# 482
Delta R.T. 0.020 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 45 Resp: 988135

Ion	Ratio	Lower	Upper
45	100		
59	5.1	3.0	4.4#

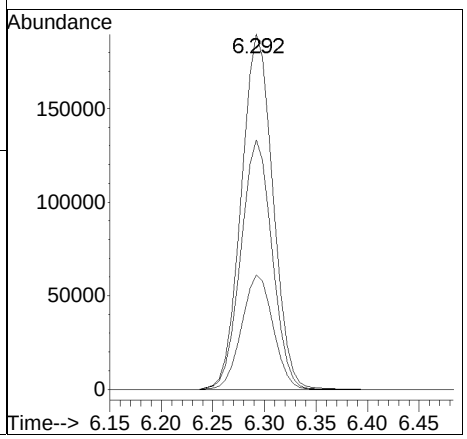


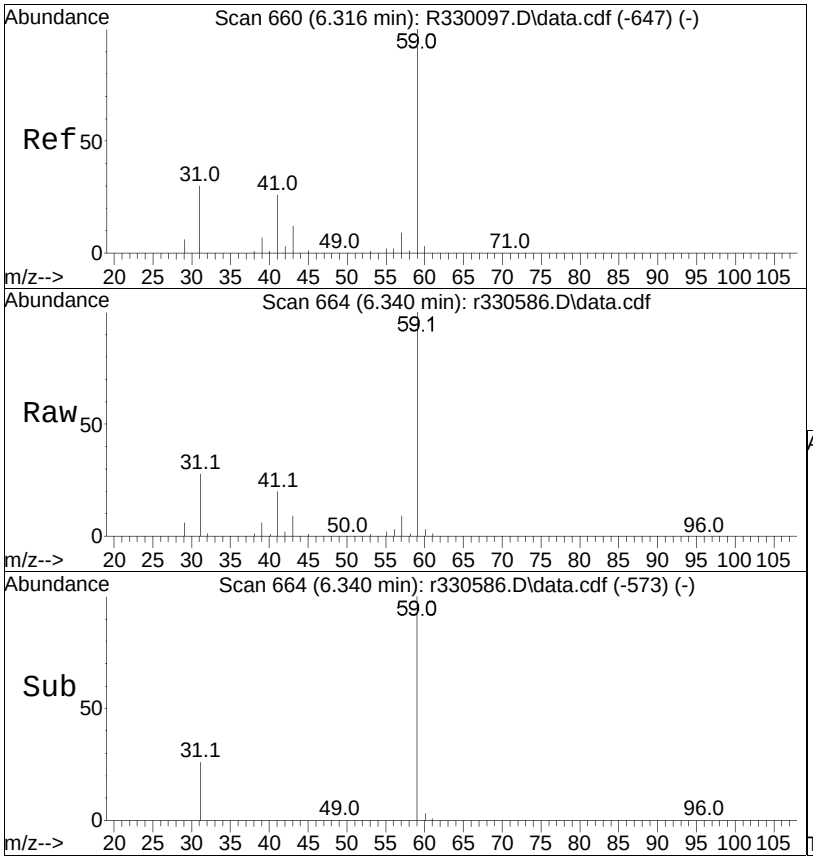


#26
1,1-dichloroethene
Concen: 11.55 ppbV
RT: 6.292 min Scan# 656
Delta R.T. 0.018 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 61 Resp: 416303

Ion	Ratio	Lower	Upper
61	100		
96	70.2	54.2	81.2
63	32.3	26.5	39.7

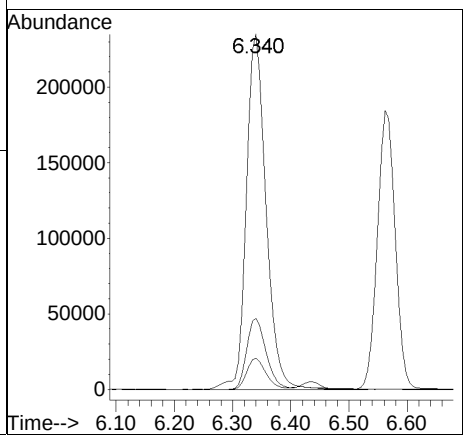


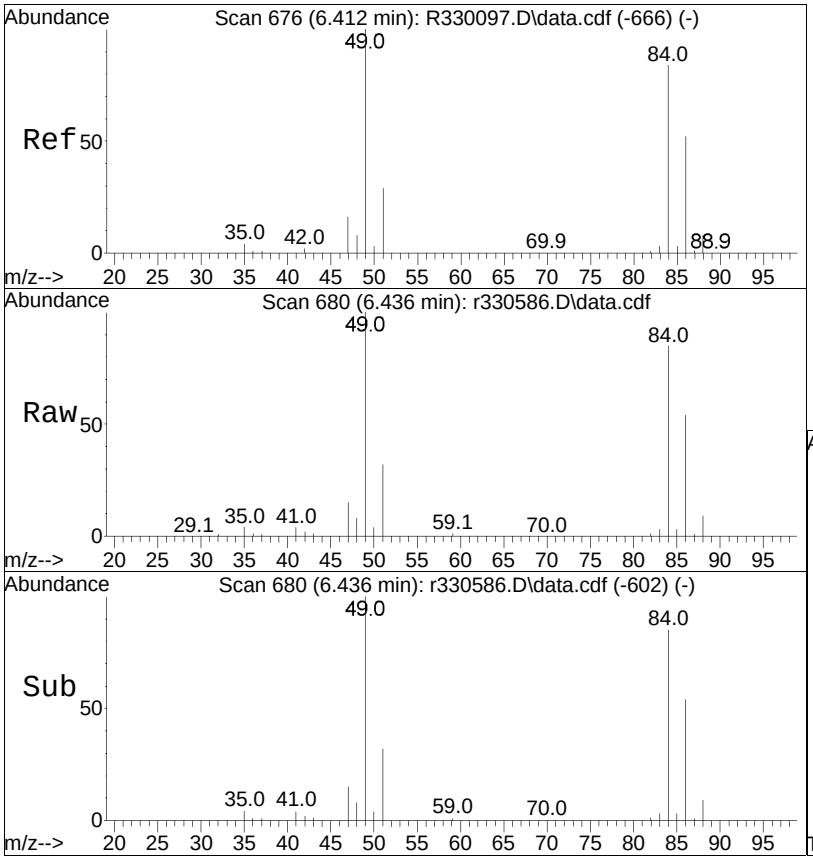


#27
tertiary butyl alcohol
Concen: 11.05 ppbV
RT: 6.340 min Scan# 664
Delta R.T. 0.024 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 59 Resp: 569516

Ion	Ratio	Lower	Upper
59	100		
41	20.1	20.4	30.6#
43	8.8	9.4	14.0#

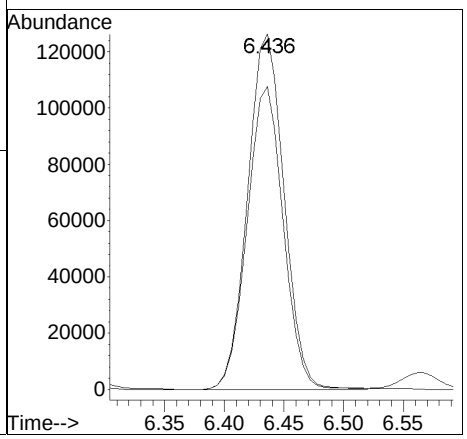


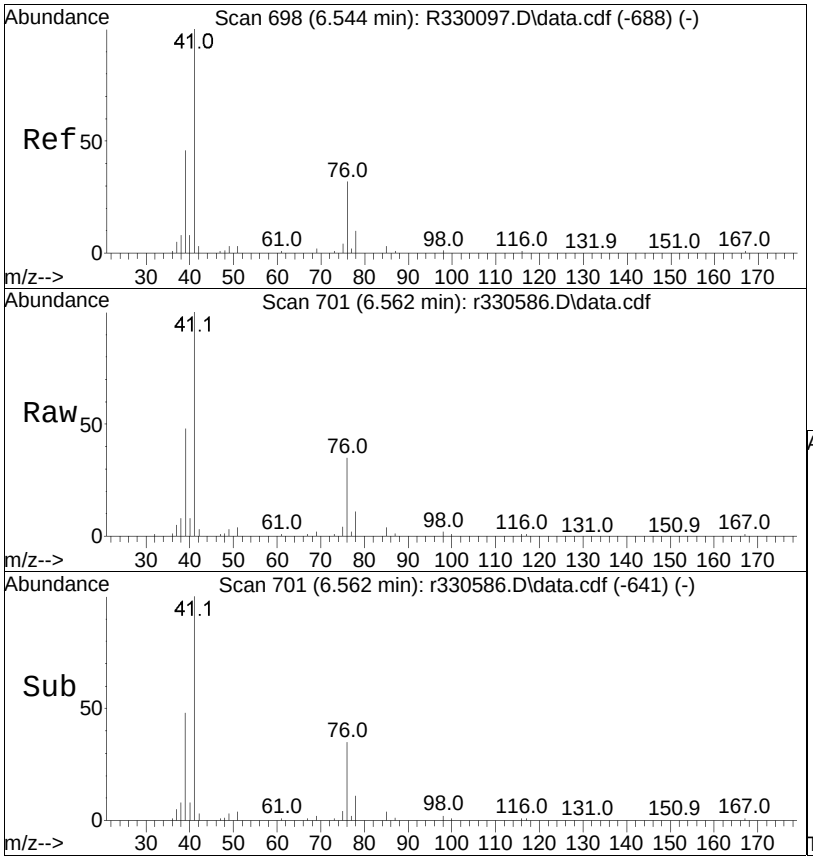


#28
methylene chloride
Concen: 9.38 ppbV
RT: 6.436 min Scan# 680
Delta R.T. 0.024 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 49 Resp: 268474

Ion	Ratio	Lower	Upper
49	100		
84	85.2	67.0	100.4

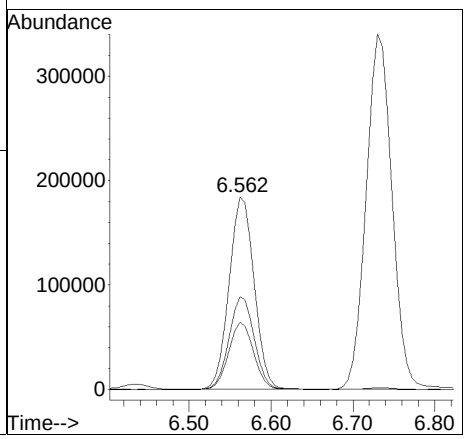


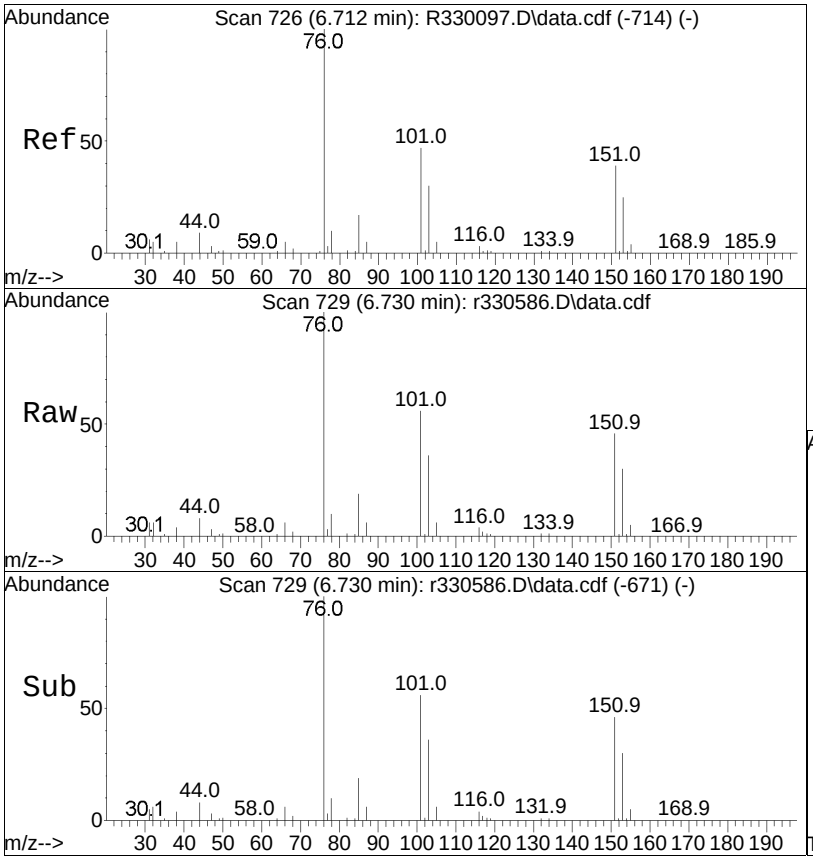


#29
3-chloropropene
Concen: 8.69 ppbV
RT: 6.562 min Scan# 701
Delta R.T. 0.018 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 41 Resp: 393396

Ion	Ratio	Lower	Upper
41	100		
39	48.1	37.0	55.6
76	34.9	25.4	38.2

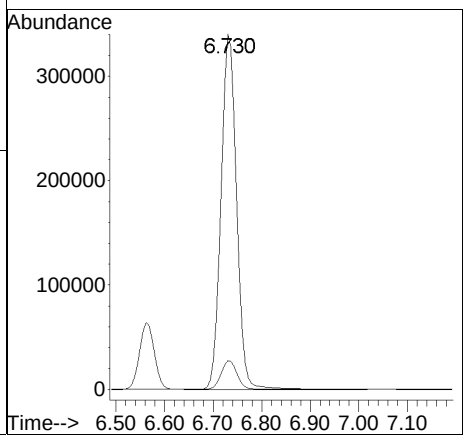


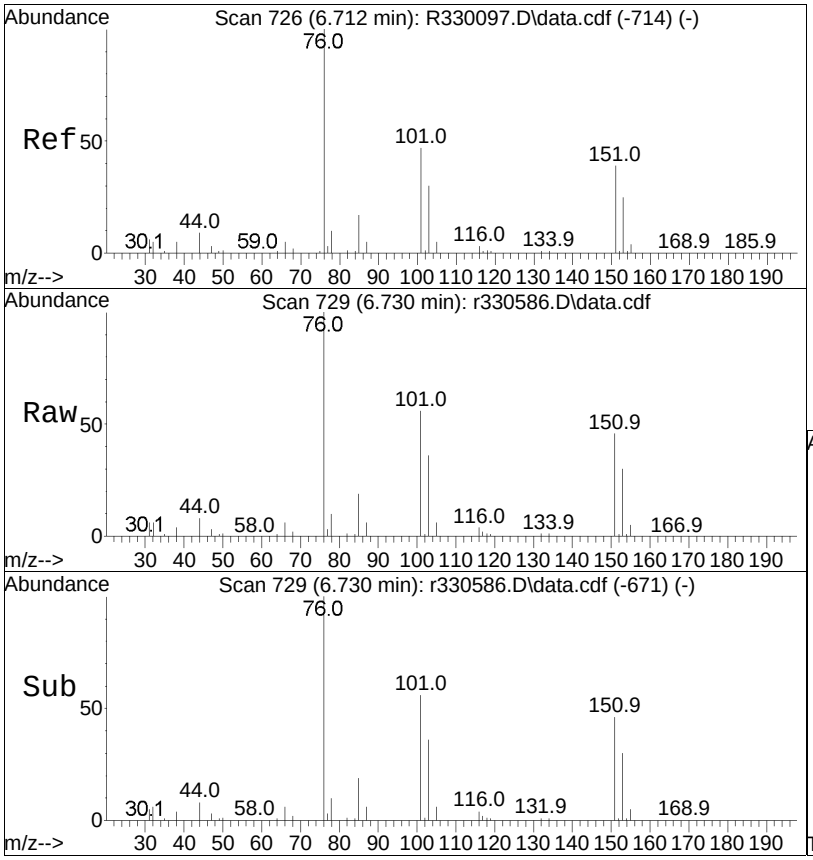


#30
carbon disulfide
Concen: 8.52 ppbV
RT: 6.730 min Scan# 729
Delta R.T. 0.018 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 76 Resp: 758447

Ion	Ratio	Lower	Upper
76	100		
44	8.1	7.1	10.7

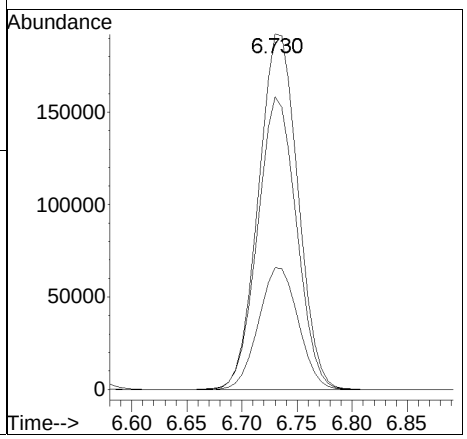


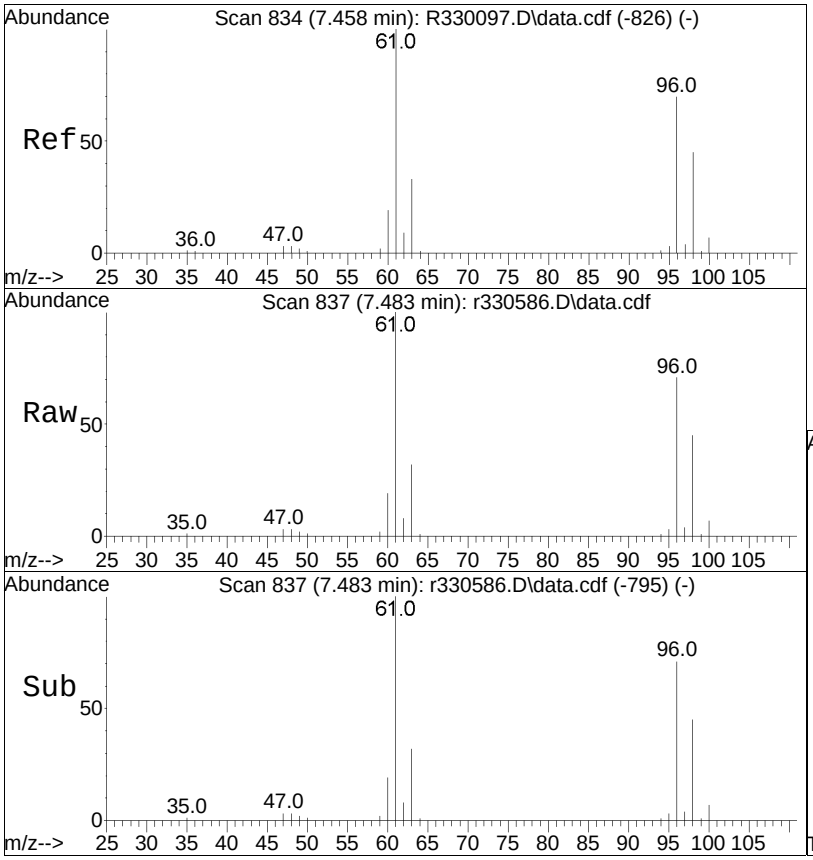


#31
Freon 113
Concen: 10.25 ppbV
RT: 6.730 min Scan# 729
Delta R.T. 0.018 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion:101 Resp: 479858

Ion	Ratio	Lower	Upper
101	100		
85	34.3	28.5	42.7
151	82.3	66.9	100.3

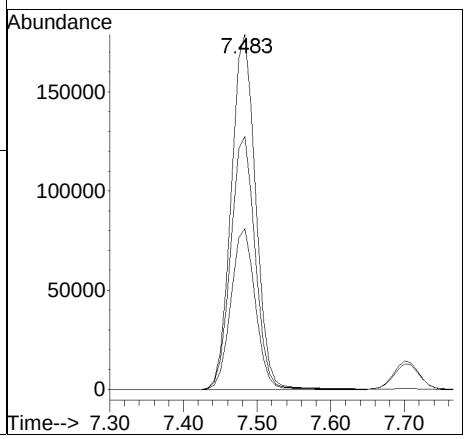


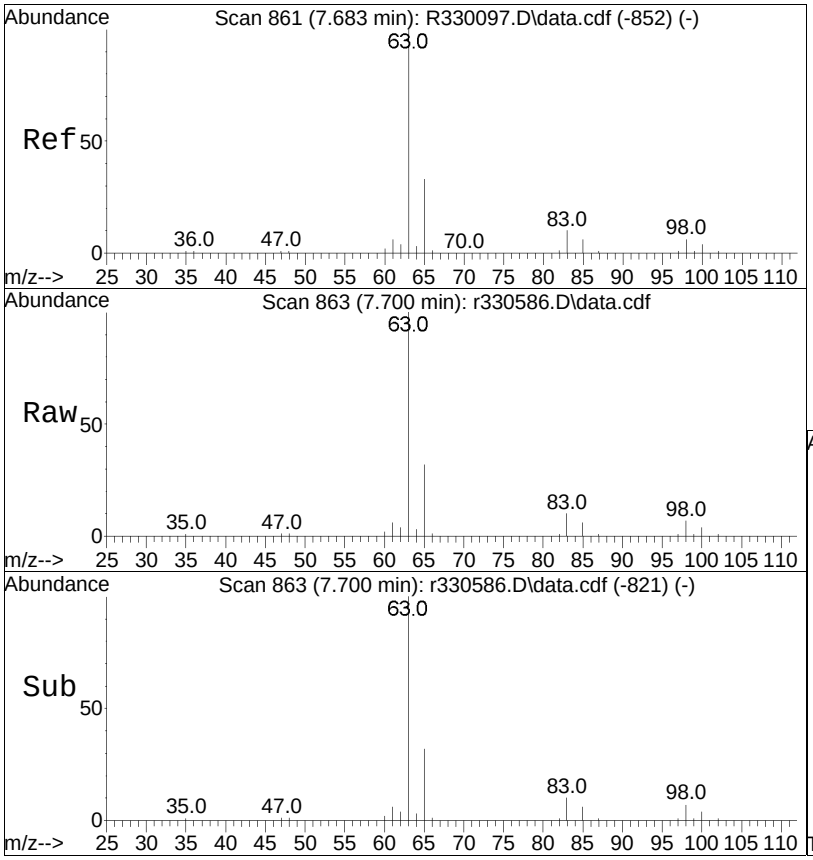


#32
trans-1,2-dichloroethene
Concen: 10.43 ppbV
RT: 7.483 min Scan# 837
Delta R.T. 0.025 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 61 Resp: 413287

Ion	Ratio	Lower	Upper
61	100		
96	71.2	55.8	83.8
98	45.2	36.4	54.6

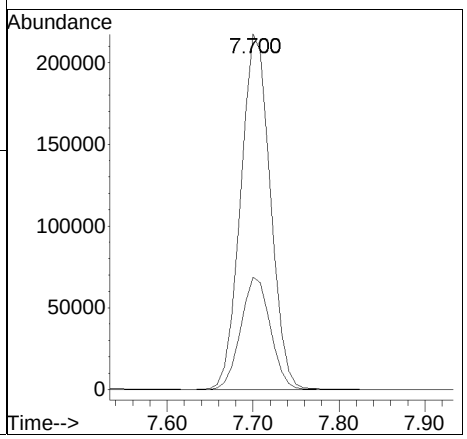


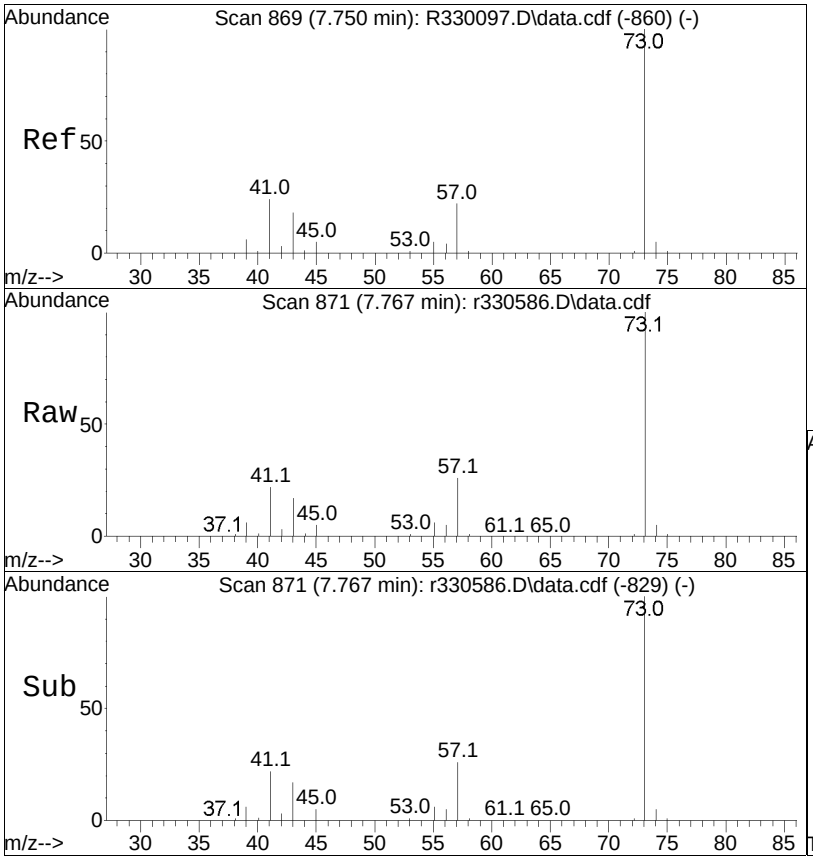


#33
1,1-dichloroethane
Concen: 10.05 ppbV
RT: 7.700 min Scan# 863
Delta R.T. 0.017 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 63 Resp: 520196

Ion	Ratio	Lower	Upper
63	100		
65	31.6	26.2	39.4

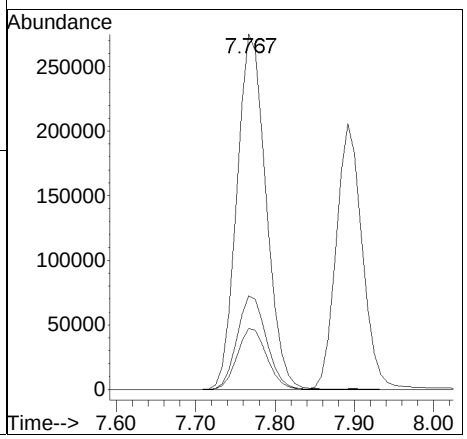


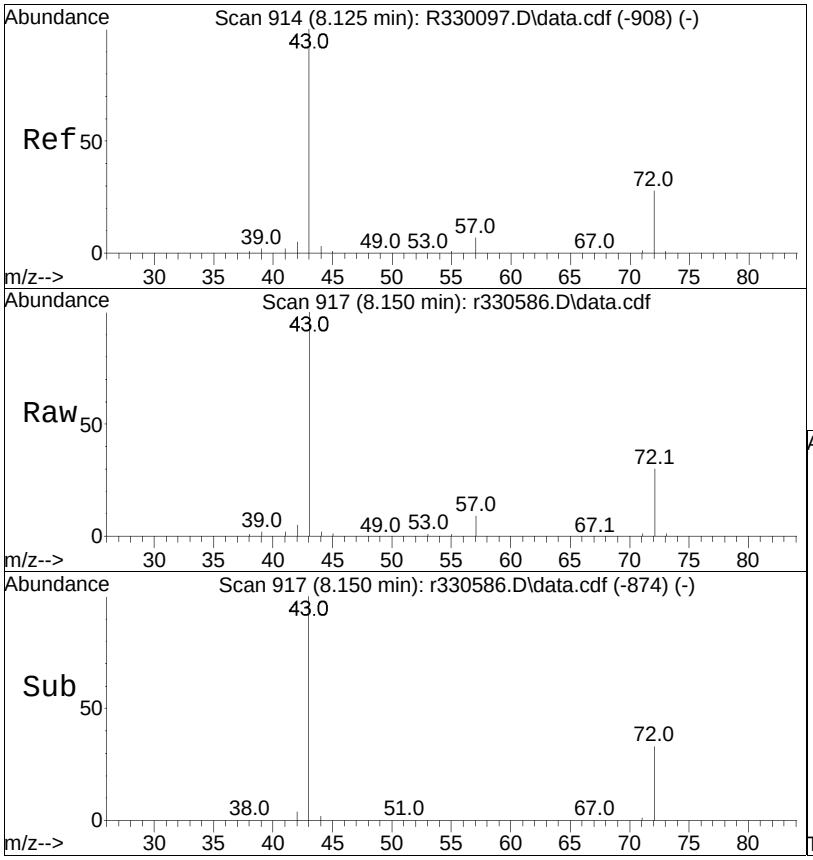


#34
MTBE
Concen: 9.06 ppbV
RT: 7.767 min Scan# 871
Delta R.T. 0.017 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 73 Resp: 702848

Ion	Ratio	Lower	Upper
73	100		
57	26.3	17.3	25.9#
43	17.2	14.6	21.8

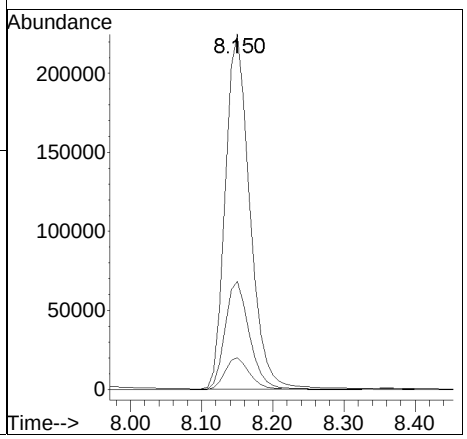


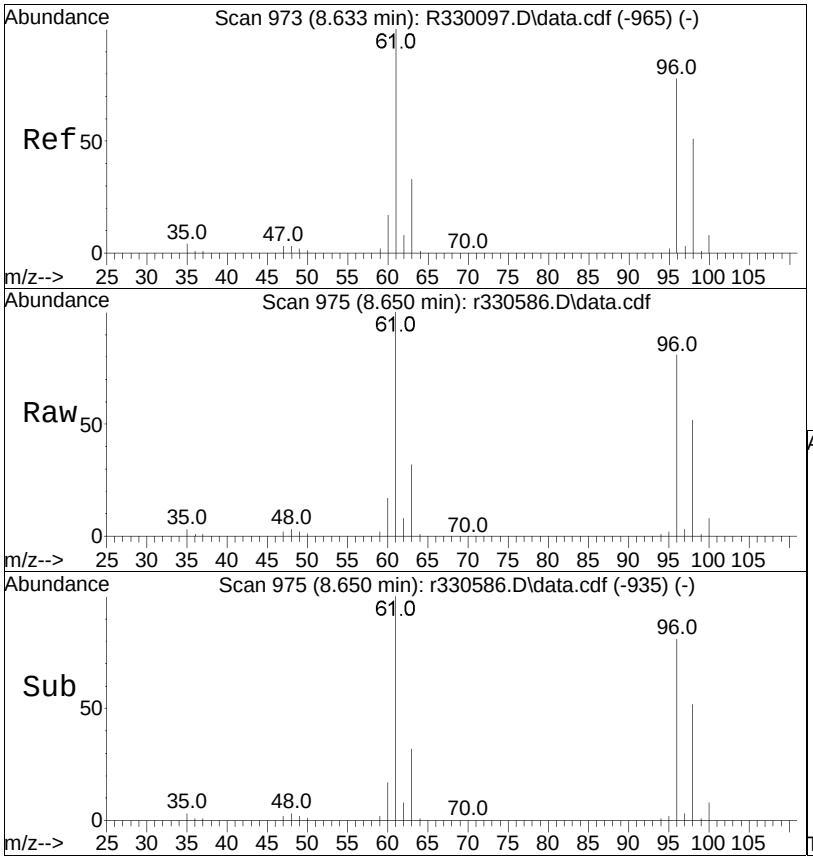


#36
2-butanone
Concen: 8.07 ppbV
RT: 8.150 min Scan# 917
Delta R.T. 0.025 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 43 Resp: 537029

Ion	Ratio	Lower	Upper
43	100		
72	30.4	22.1	33.1
57	8.9	5.3	7.9#

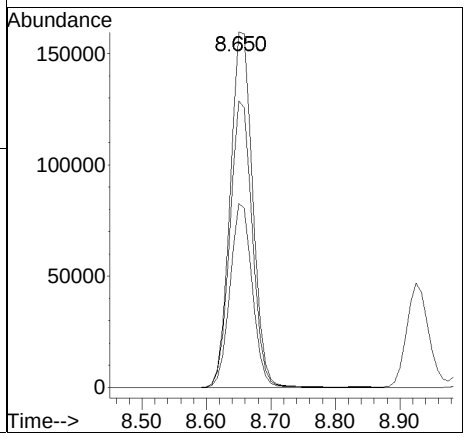


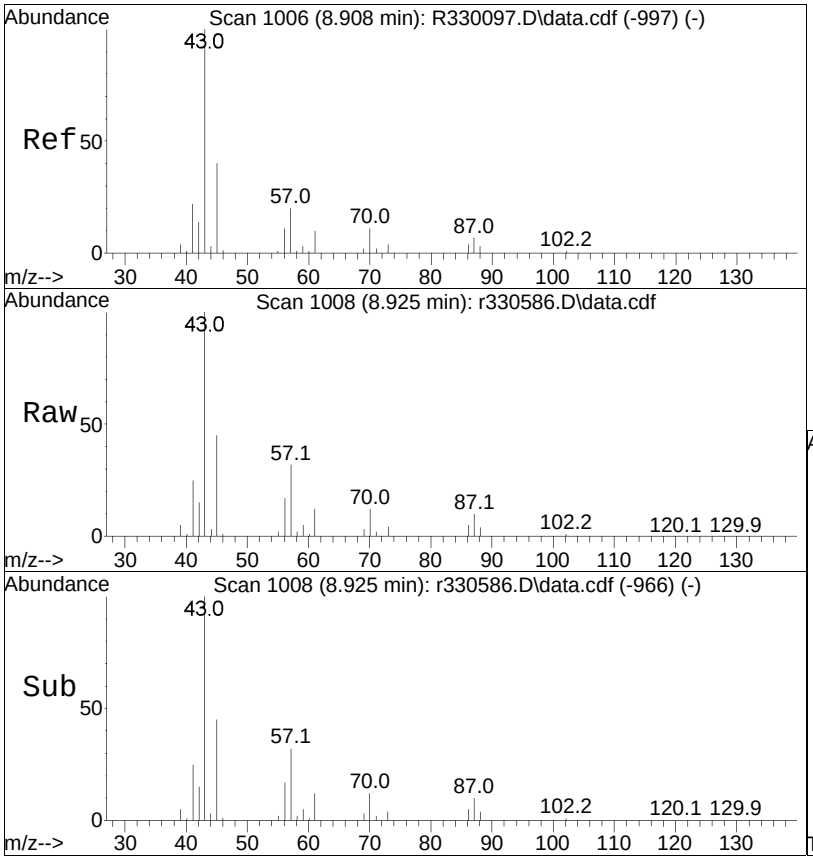


#37
cis-1,2-dichloroethene
Concen: 10.61 ppbV
RT: 8.650 min Scan# 975
Delta R.T. 0.017 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 61 Resp: 388813

Ion	Ratio	Lower	Upper
61	100		
96	80.6	62.6	94.0
98	51.8	40.7	61.1

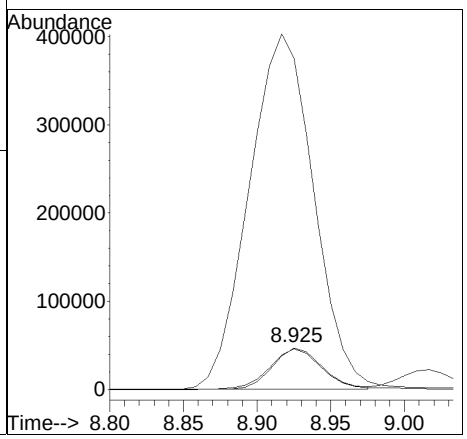


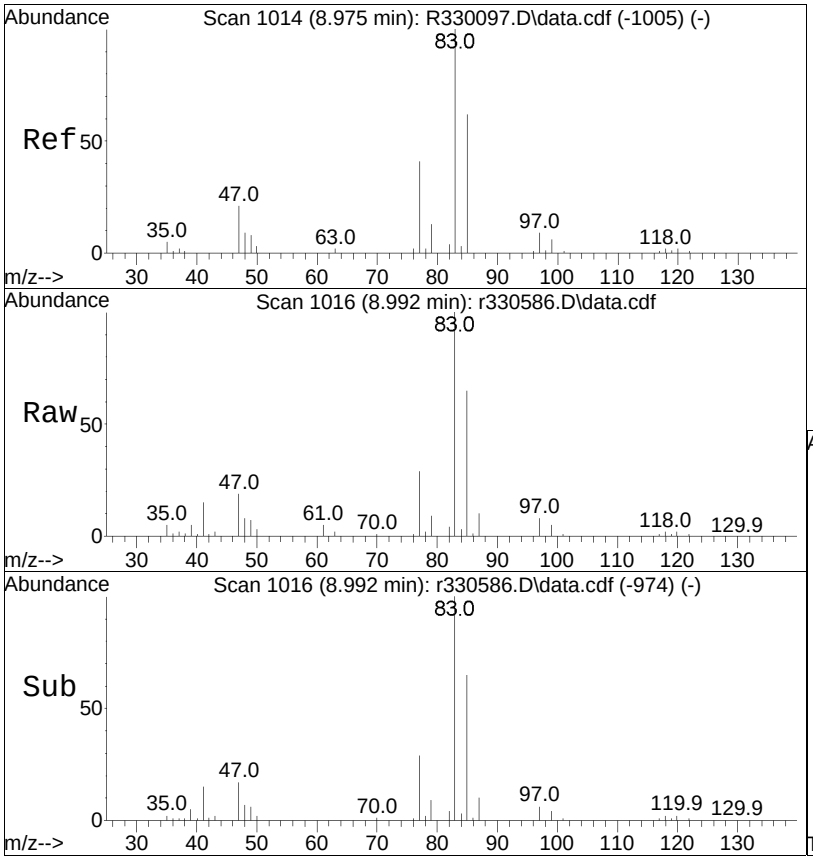


#38
Ethyl Acetate
Concen: 11.14 ppbV
RT: 8.925 min Scan# 1008
Delta R.T. 0.017 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 61 Resp: 110971

Ion	Ratio	Lower	Upper
61	100		
70	98.2	87.4	131.0
43	801.2	771.8	1157.6

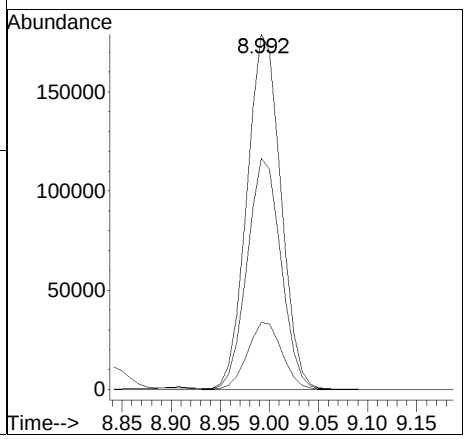


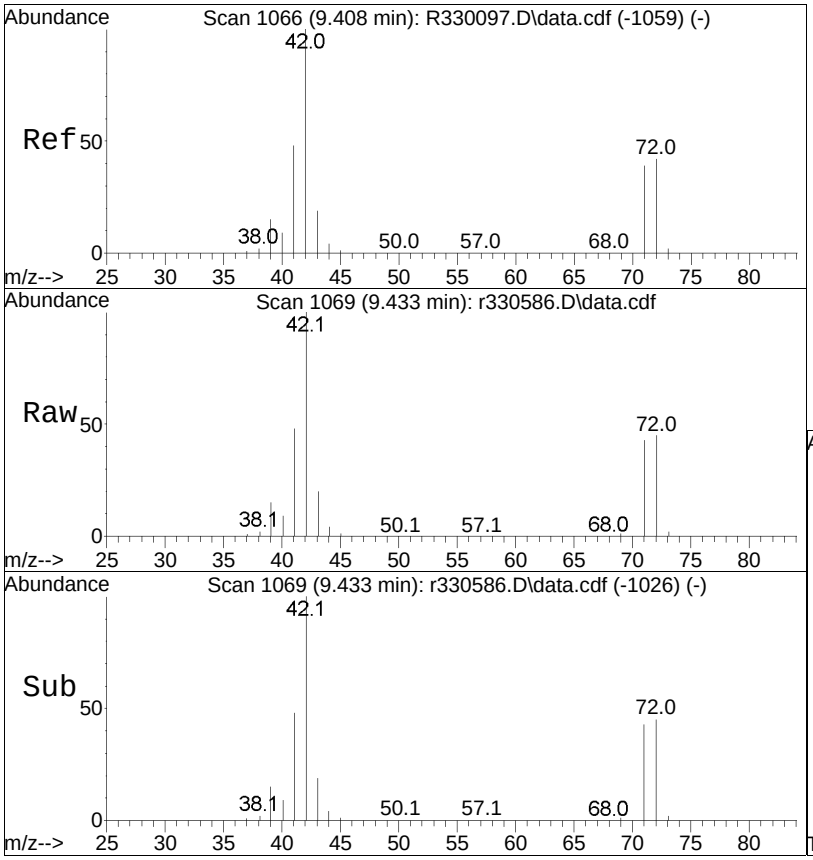


#39
chloroform
Concen: 9.77 ppbV
RT: 8.992 min Scan# 1016
Delta R.T. 0.017 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 83 Resp: 430386

Ion	Ratio	Lower	Upper
83	100		
85	65.0	49.8	74.8
47	18.9	16.8	25.2

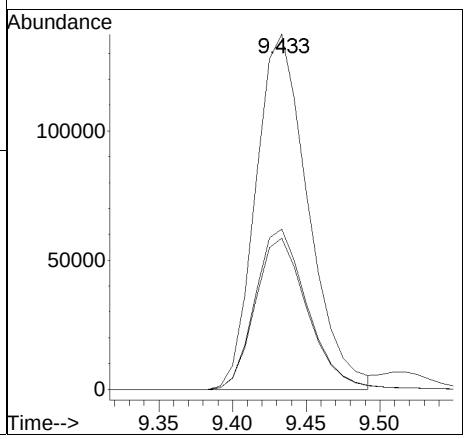


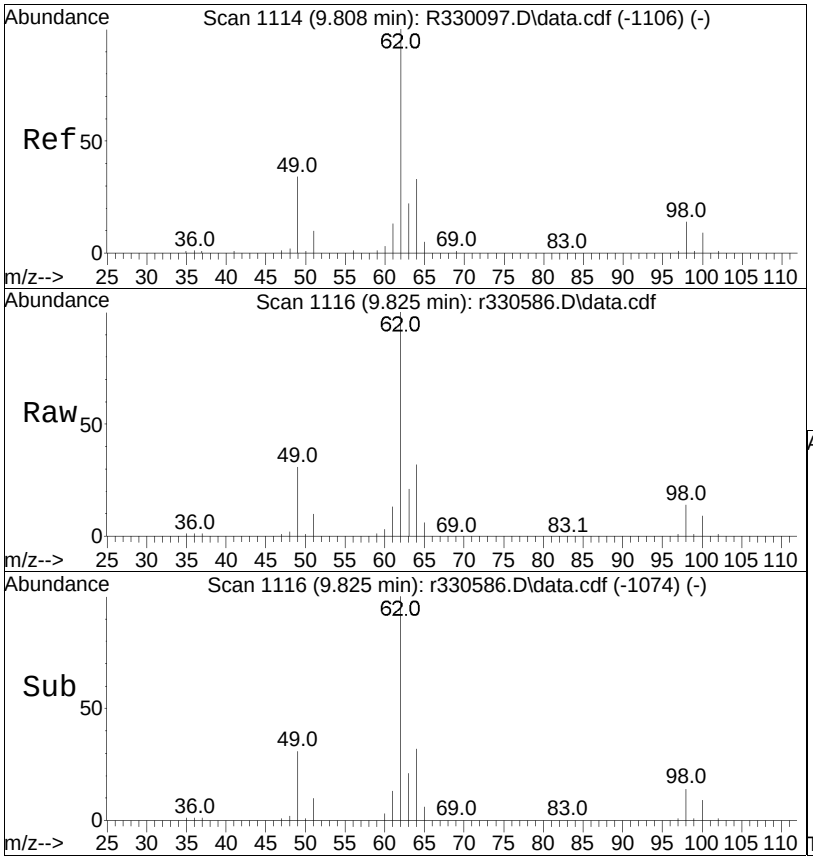


#40
Tetrahydrofuran
Concen: 7.90 ppbV
RT: 9.433 min Scan# 1069
Delta R.T. 0.025 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 42 Resp: 339328

Ion	Ratio	Lower	Upper
42	100		
71	42.5	31.0	46.4
72	45.1	33.4	50.2

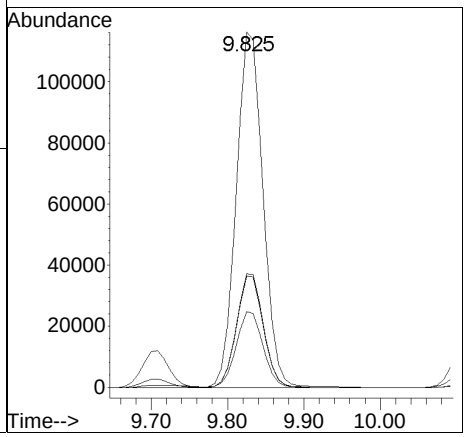


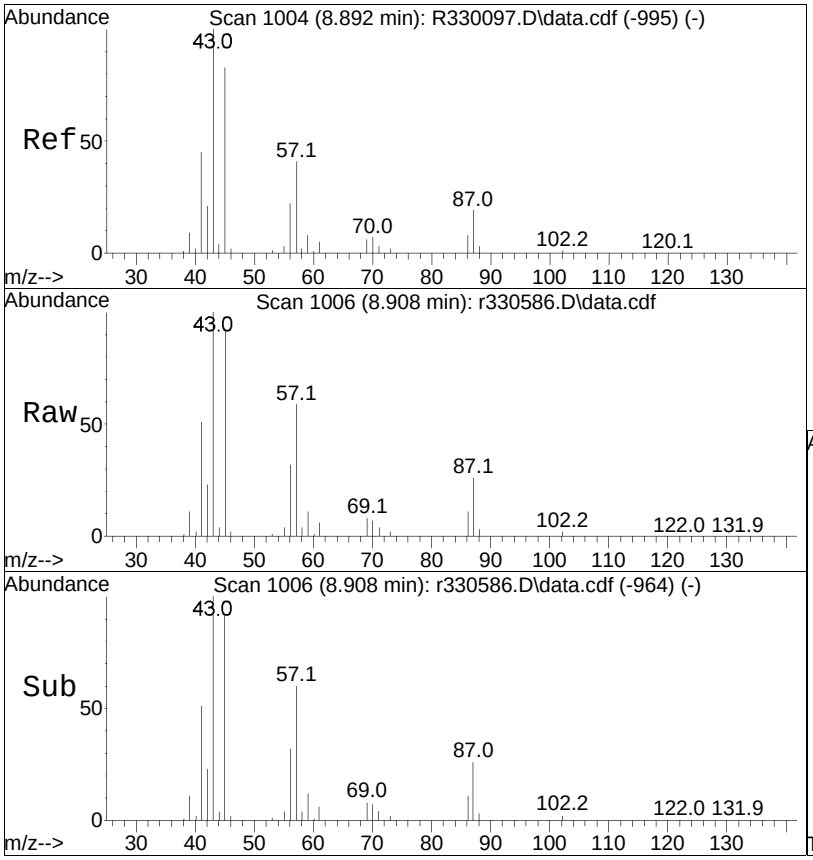


#42
1,2-dichloroethane
Concen: 10.00 ppbV
RT: 9.825 min Scan# 1116
Delta R.T. 0.017 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 62 Resp: 282876

Ion	Ratio	Lower	Upper
62	100		
64	32.0	26.9	40.3
49	31.3	26.8	40.2
63	21.3	17.5	26.3

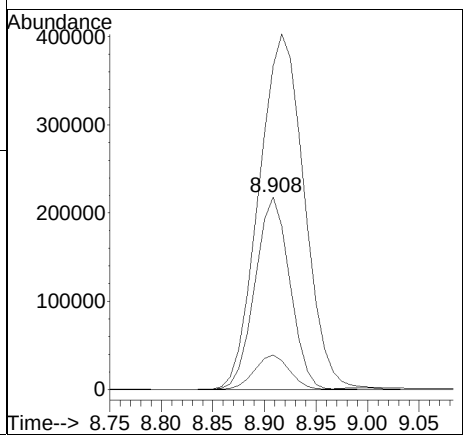


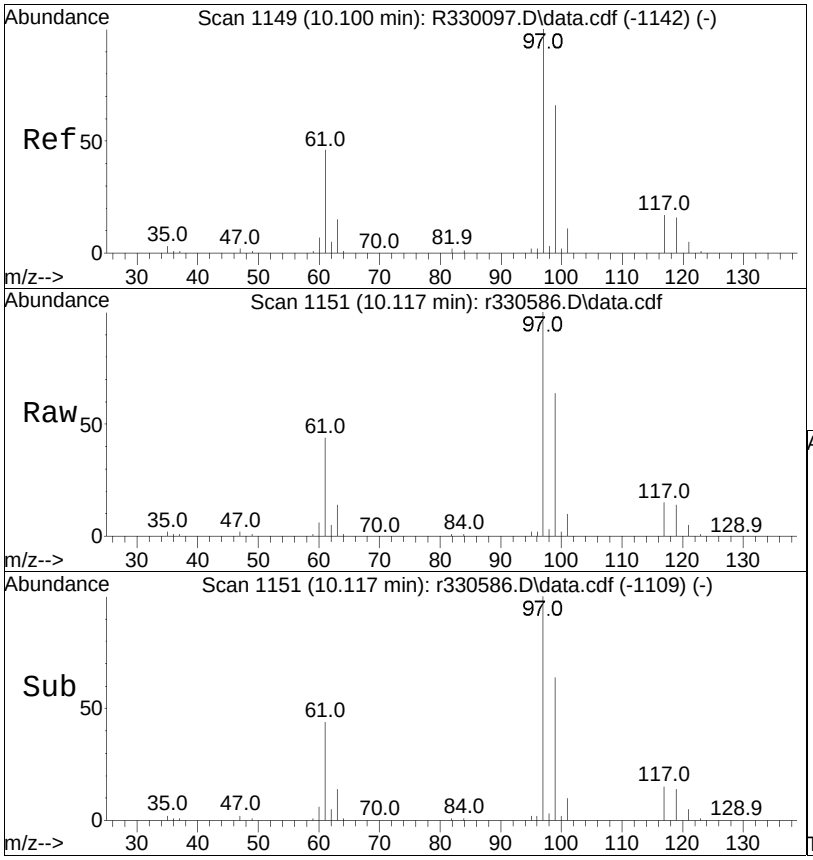


#44
hexane
Concen: 11.42 ppbV
RT: 8.908 min Scan# 1006
Delta R.T. 0.017 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 57 Resp: 512315

Ion	Ratio	Lower	Upper
57	100		
43	168.1	196.5	294.7#
86	17.9	15.8	23.6

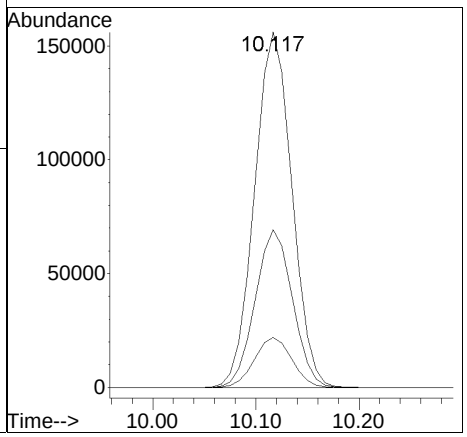


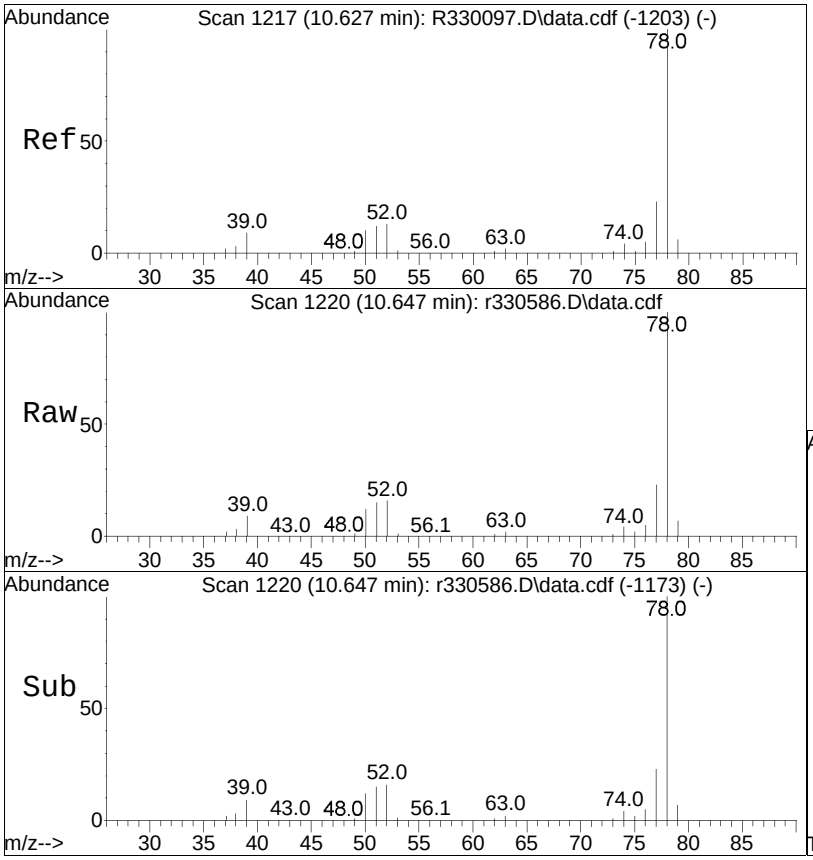


#48
1,1,1-trichloroethane
Concen: 10.92 ppbV
RT: 10.117 min Scan# 1151
Delta R.T. 0.017 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 97 Resp: 392993

Ion	Ratio	Lower	Upper
97	100		
61	44.4	36.6	54.8
119	14.1	13.0	19.4

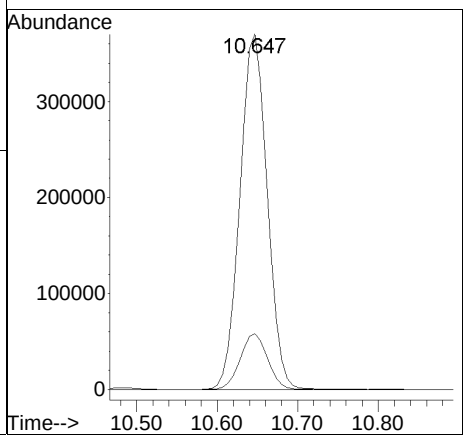


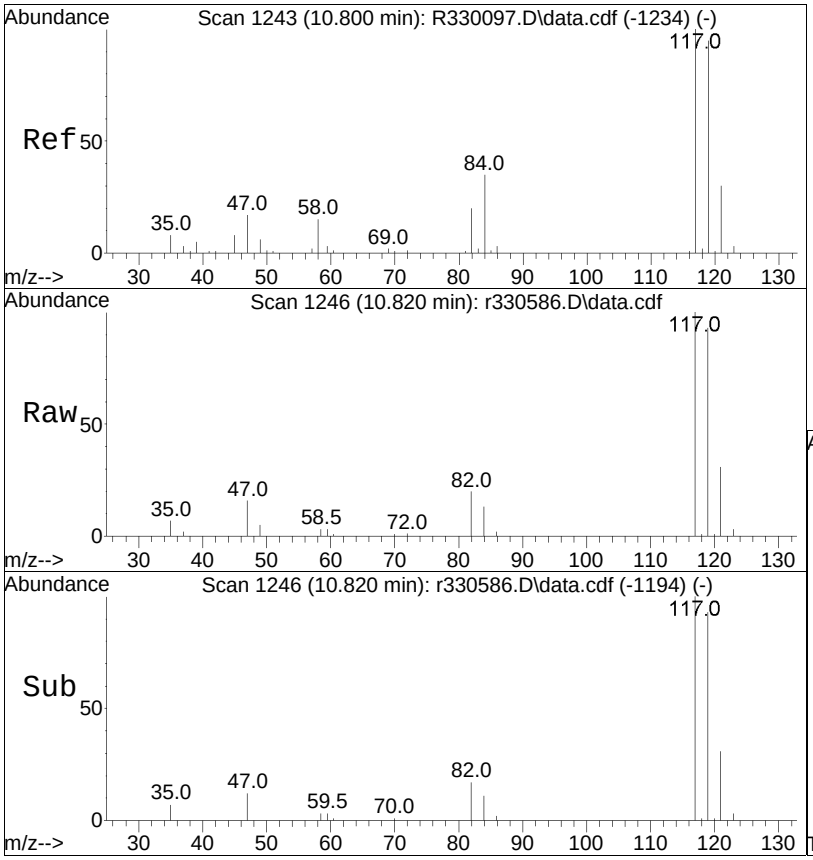


#50
benzene
Concen: 8.57 ppbV
RT: 10.647 min Scan# 1220
Delta R.T. 0.020 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 78 Resp: 870199

Ion	Ratio	Lower	Upper
78	100		
52	15.7	10.4	15.6#

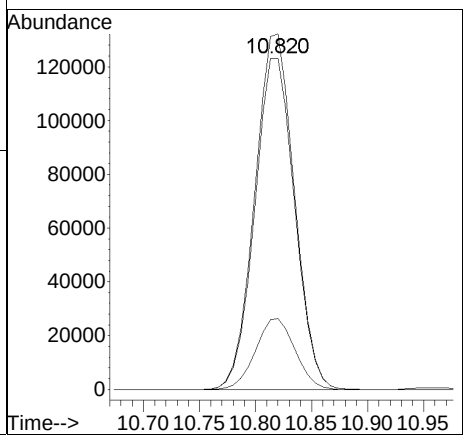


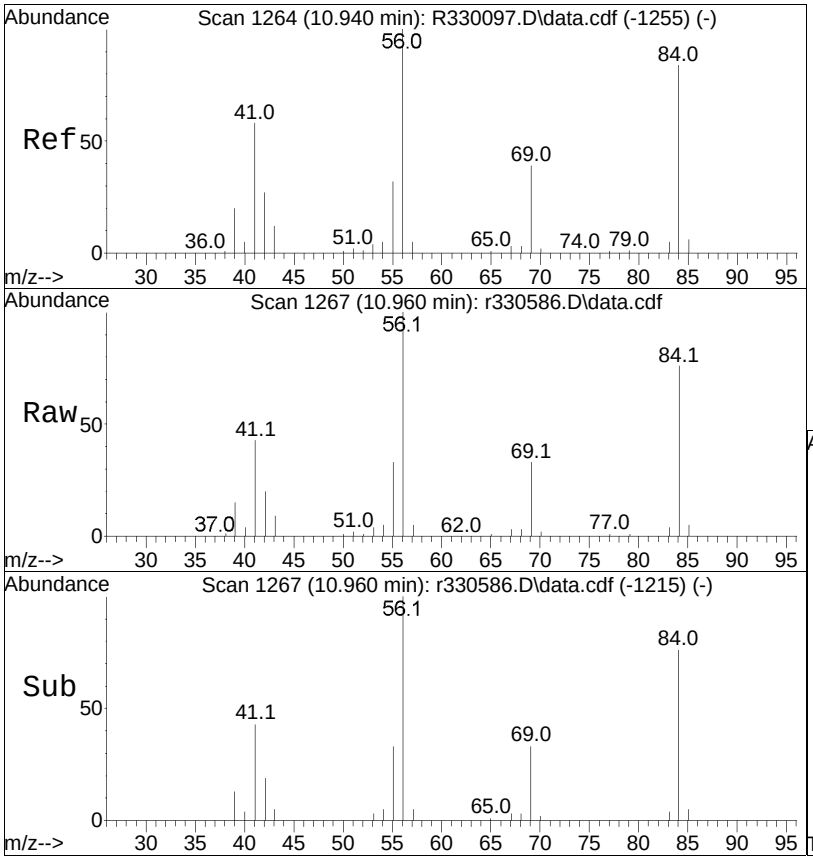


#52
carbon tetrachloride
Concen: 9.88 ppbV
RT: 10.820 min Scan# 1246
Delta R.T. 0.020 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion:117 Resp: 324525

Ion	Ratio	Lower	Upper
117	100		
119	93.1	75.8	113.8
82	20.0	16.5	24.7

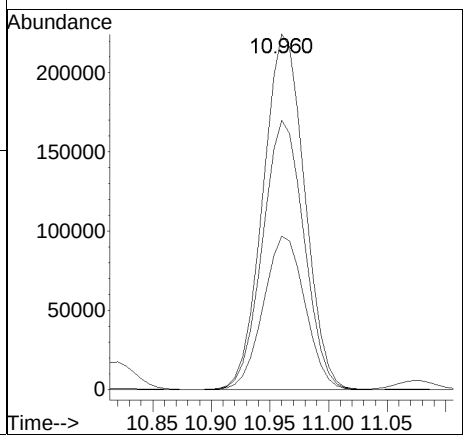


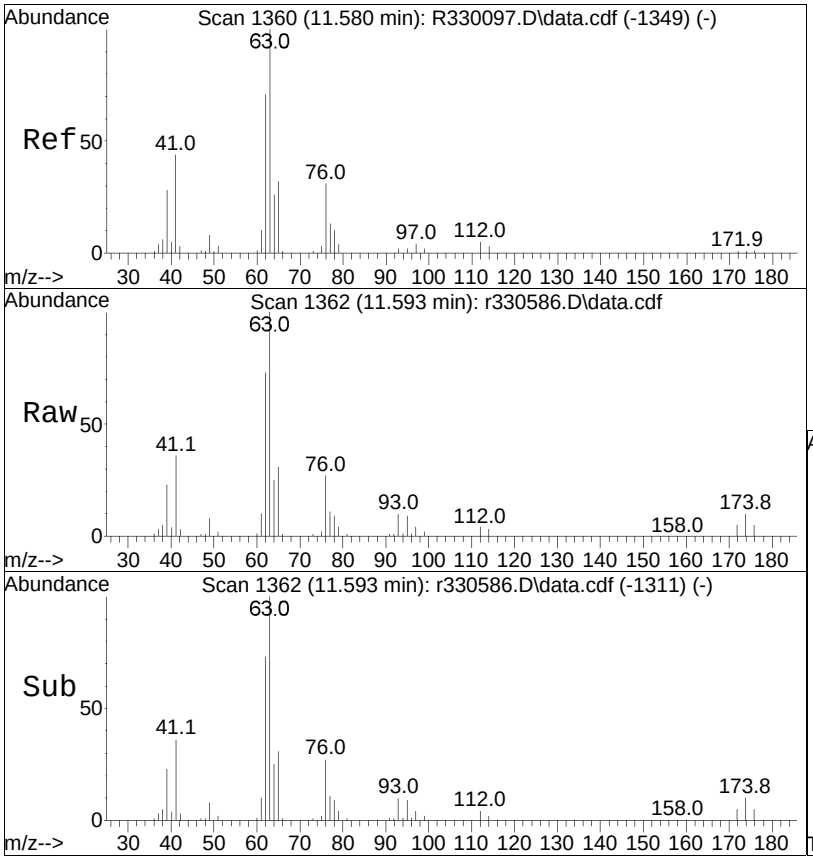


#53
cyclohexane
Concen: 11.63 ppbV
RT: 10.960 min Scan# 1267
Delta R.T. 0.020 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 56 Resp: 553974

Ion	Ratio	Lower	Upper
56	100		
84	75.7	67.4	101.2
41	43.1	46.4	69.6#

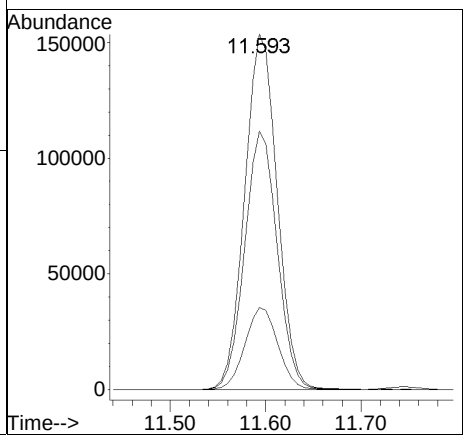


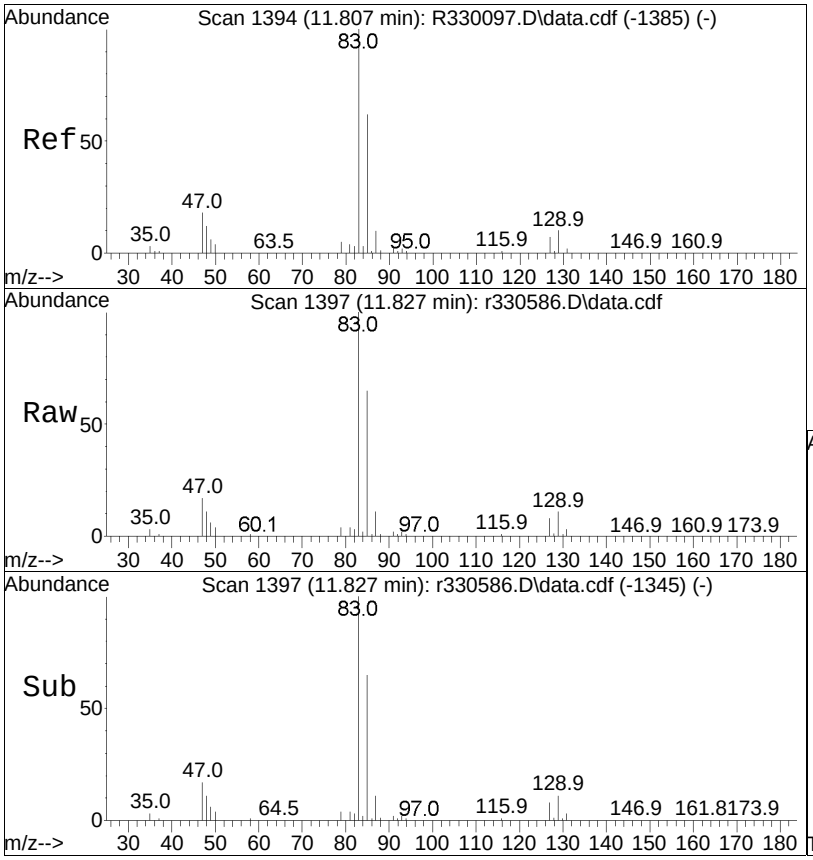


#56
1,2-dichloropropane
Concen: 10.24 ppbV
RT: 11.593 min Scan# 1362
Delta R.T. 0.013 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 63 Resp: 363344

Ion	Ratio	Lower	Upper
63	100		
62	72.7	57.2	85.8
39	23.1	22.7	34.1

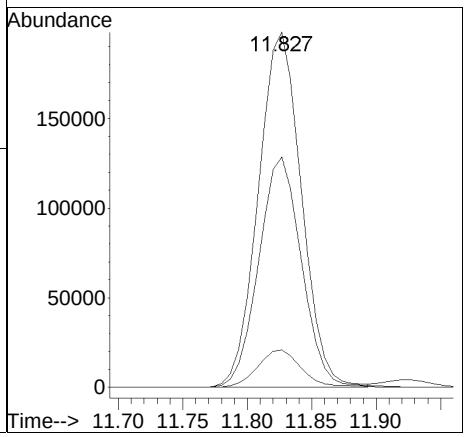


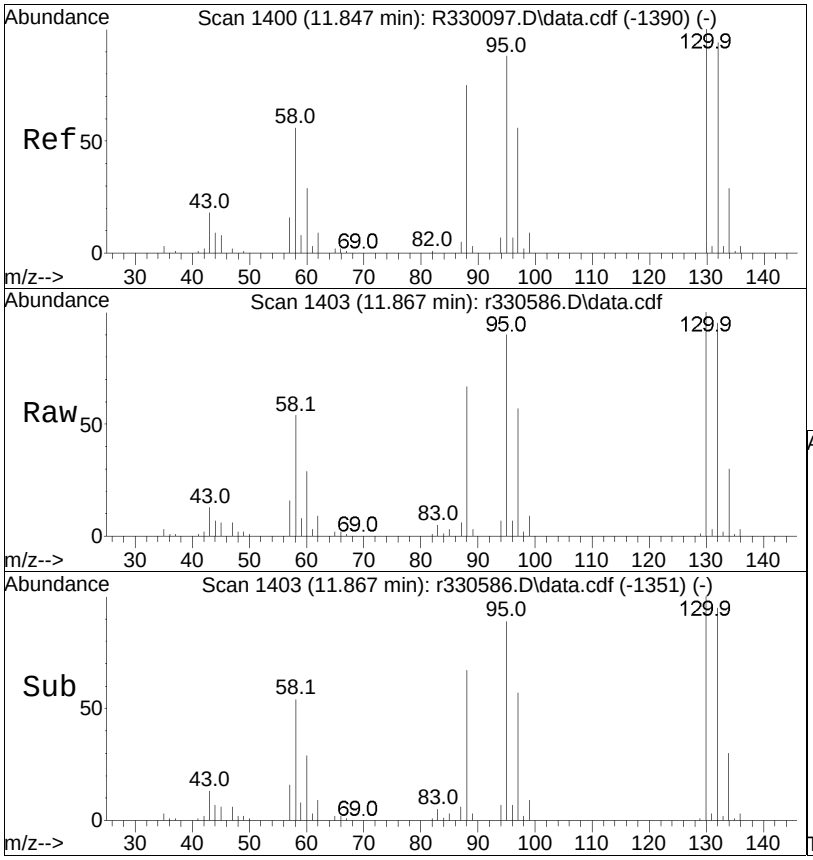


#57
bromodichloromethane
Concen: 10.62 ppbV
RT: 11.827 min Scan# 1397
Delta R.T. 0.020 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 83 Resp: 461169

Ion	Ratio	Lower	Upper
83	100		
85	64.9	49.7	74.5
129	10.5	7.7	11.5

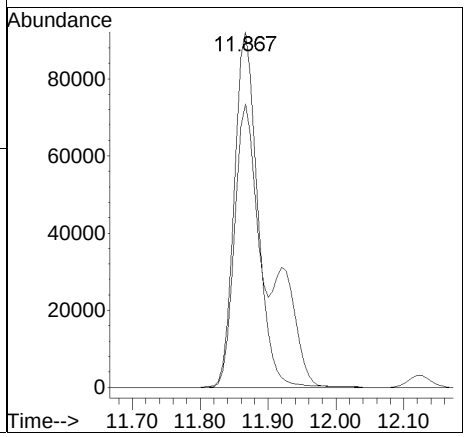


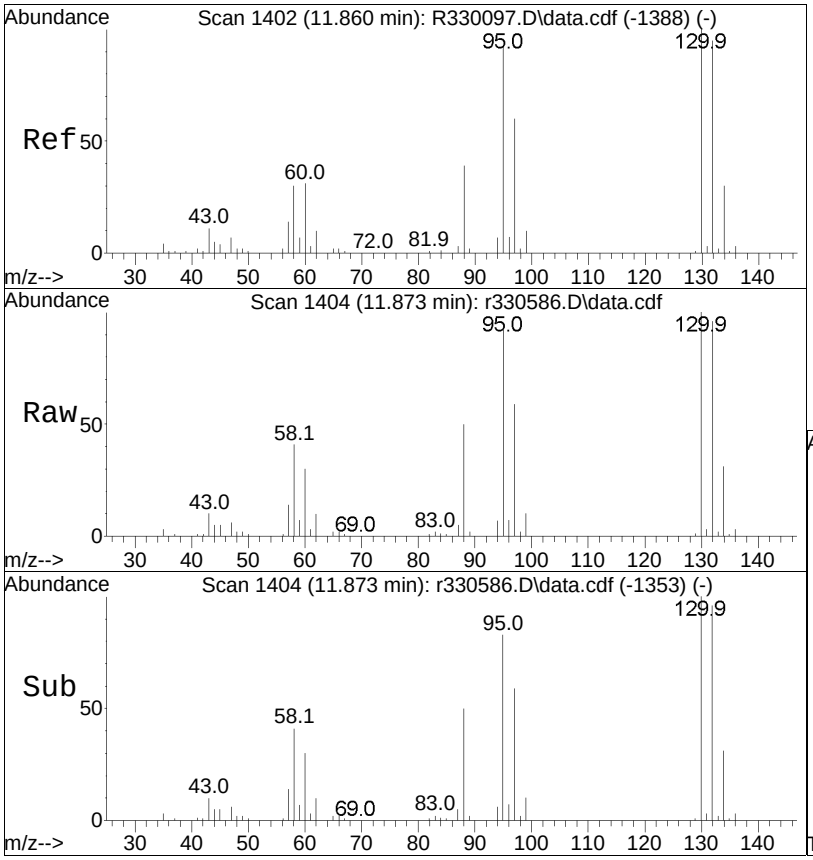


#58
1,4-dioxane
Concen: 11.07 ppbV
RT: 11.867 min Scan# 1403
Delta R.T. 0.020 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 88 Resp: 220818

Ion	Ratio	Lower	Upper
88	100		
58	79.8	59.9	89.9

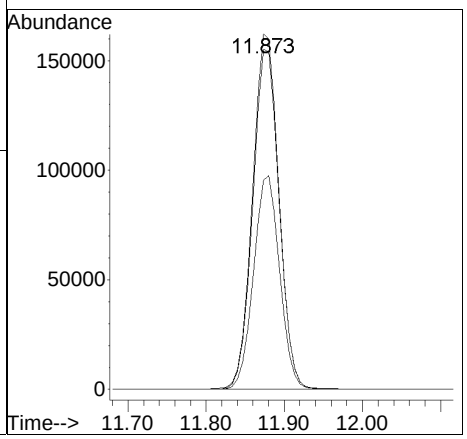


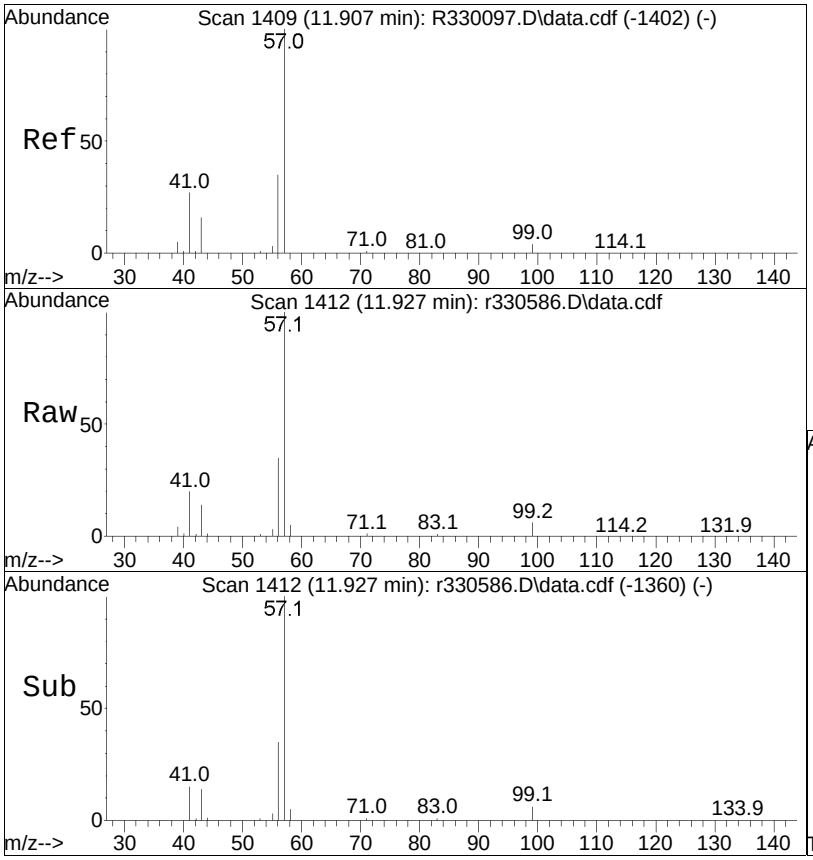


#59
trichloroethene
Concen: 10.79 ppbV
RT: 11.873 min Scan# 1404
Delta R.T. 0.013 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion:130 Resp: 381004

Ion	Ratio	Lower	Upper
130	100		
132	95.8	76.3	114.5
97	58.9	47.8	71.6

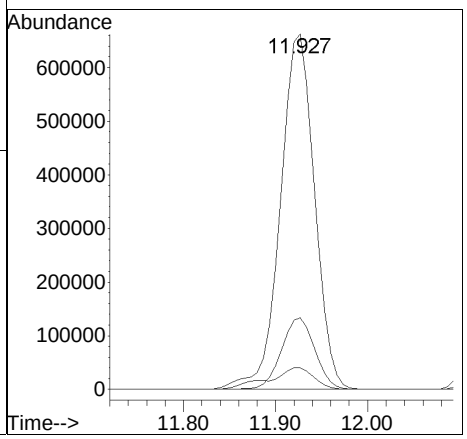


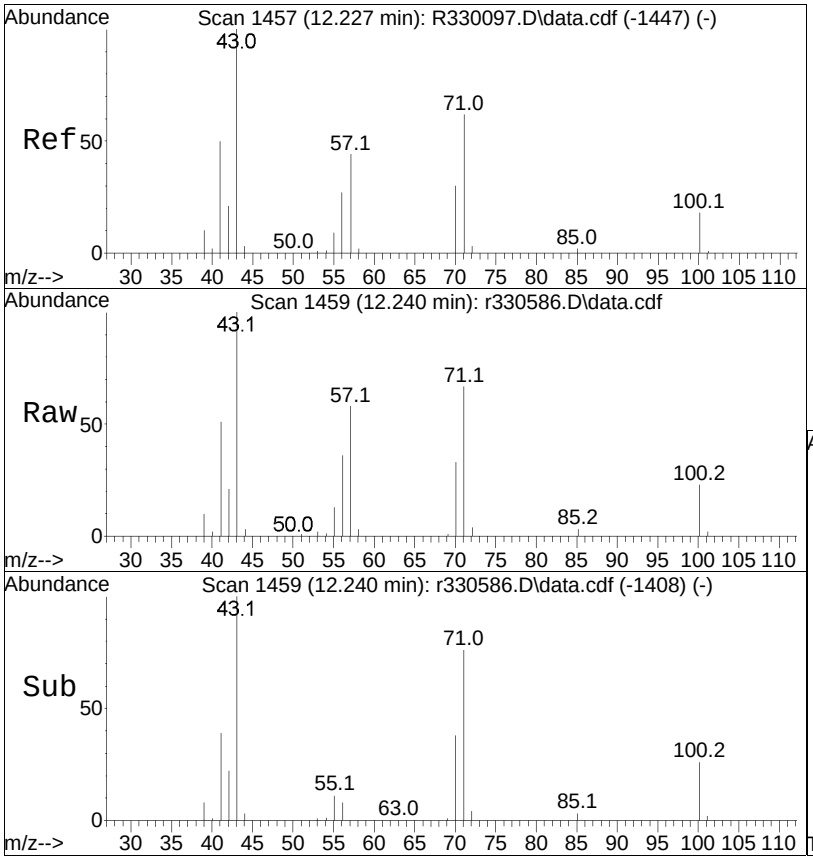


#60
2,2,4-trimethylpentane
Concen: 11.80 ppbV
RT: 11.927 min Scan# 1412
Delta R.T. 0.020 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 57 Resp: 1713144

Ion	Ratio	Lower	Upper
57	100		
99	6.1	5.3	7.9
41	20.2	21.4	32.0#

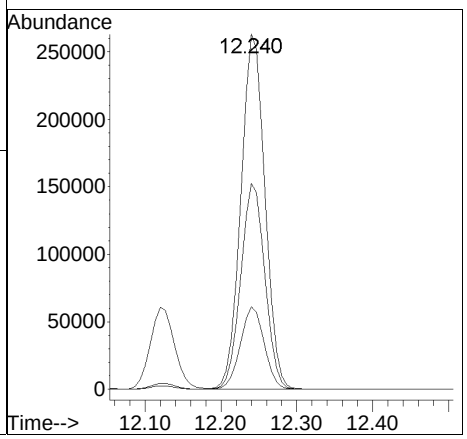


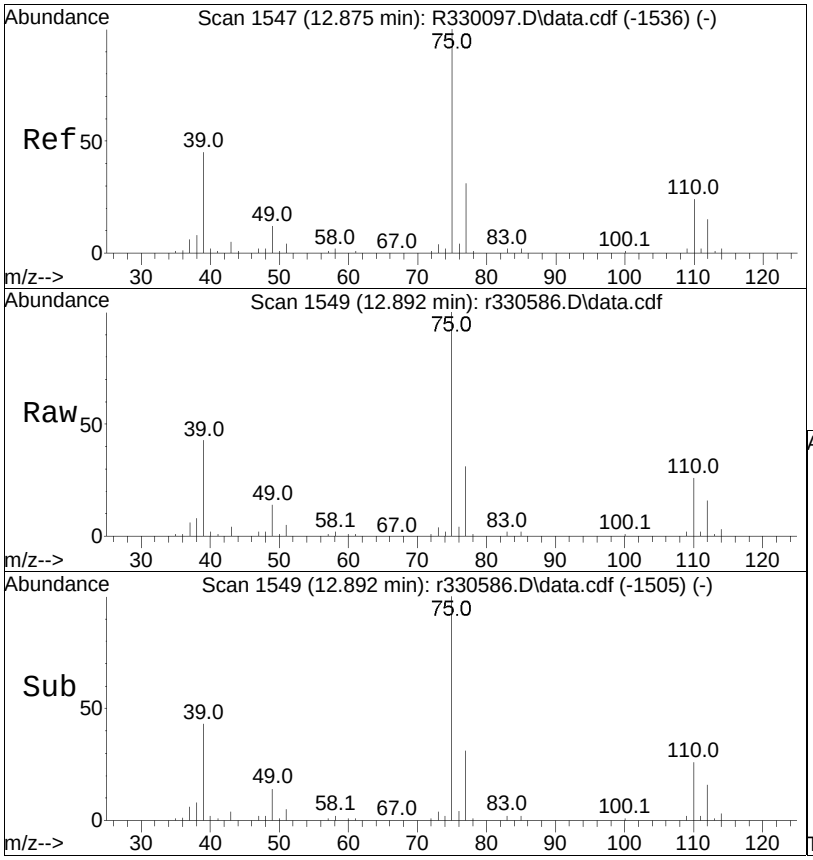


#62
heptane
Concen: 8.91 ppbV
RT: 12.240 min Scan# 1459
Delta R.T. 0.013 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 43 Resp: 579402

Ion	Ratio	Lower	Upper
43	100		
57	58.0	34.9	52.3#
100	23.3	14.9	22.3#

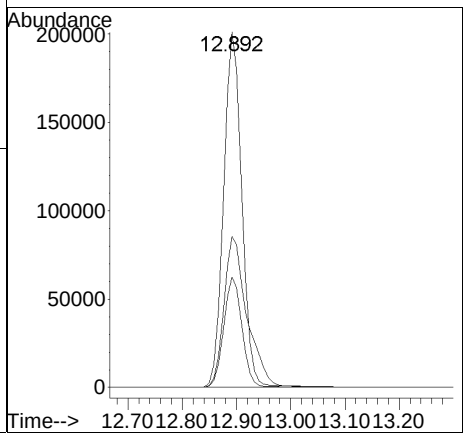


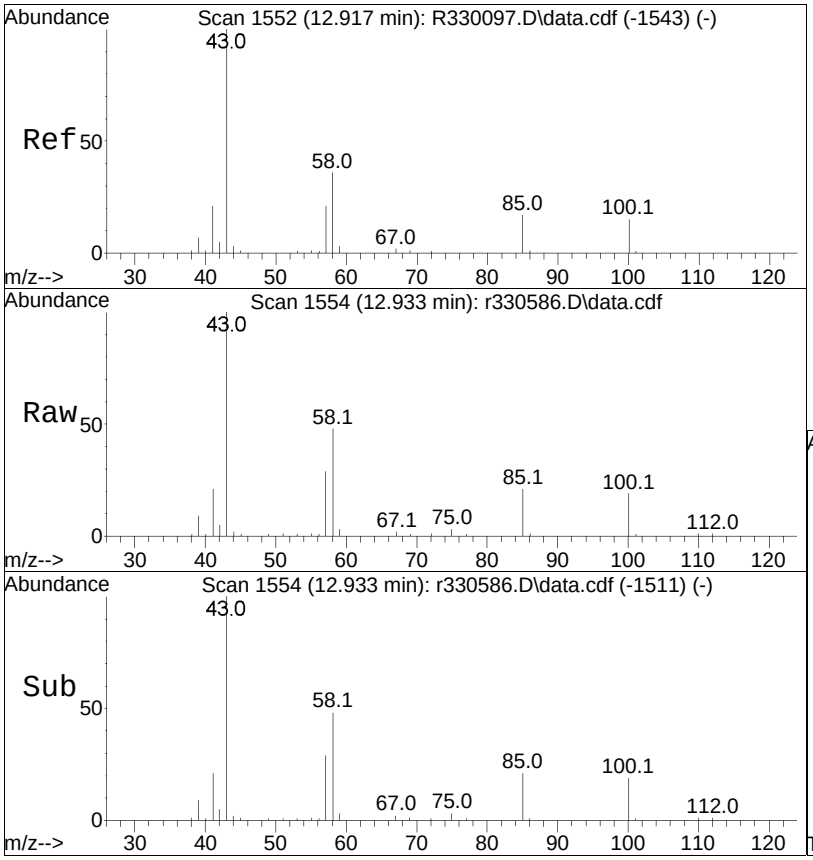


#63
cis-1,3-dichloropropene
Concen: 9.22 ppbV
RT: 12.892 min Scan# 1549
Delta R.T. 0.017 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 75 Resp: 469490

Ion	Ratio	Lower	Upper
75	100		
39	42.5	36.1	54.1
77	31.1	24.6	36.8

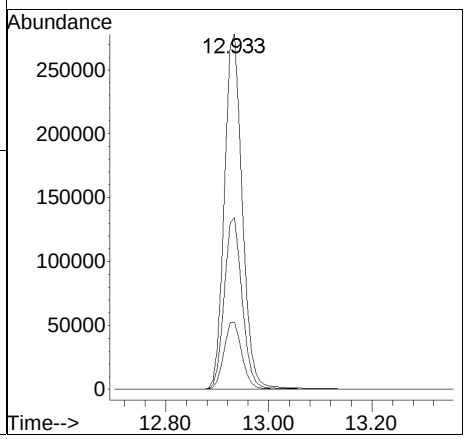


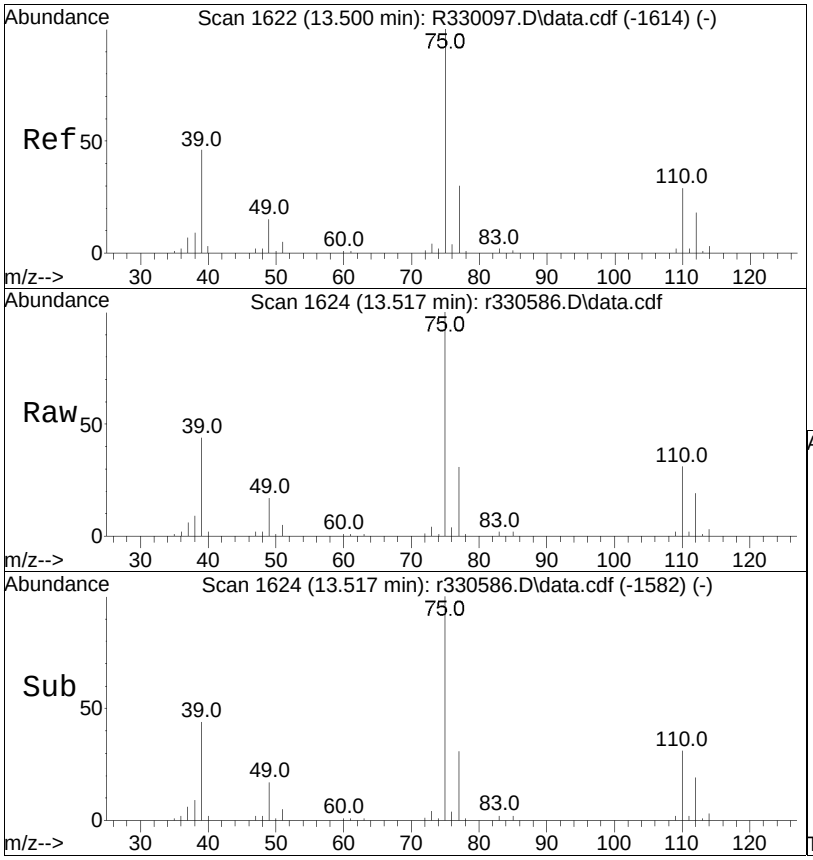


#64
4-methyl-2-pentanone
Concen: 8.81 ppbV
RT: 12.933 min Scan# 1554
Delta R.T. 0.017 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 43 Resp: 675646

Ion	Ratio	Lower	Upper
43	100		
58	48.3	29.1	43.7#
100	18.9	12.2	18.4#

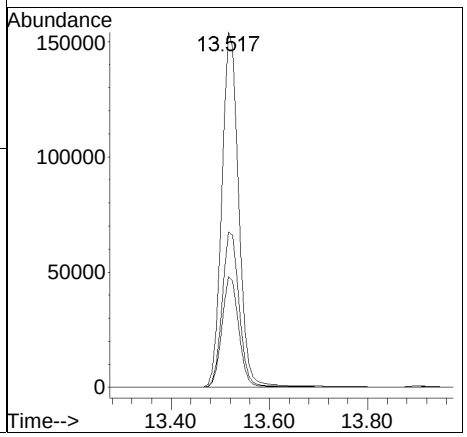


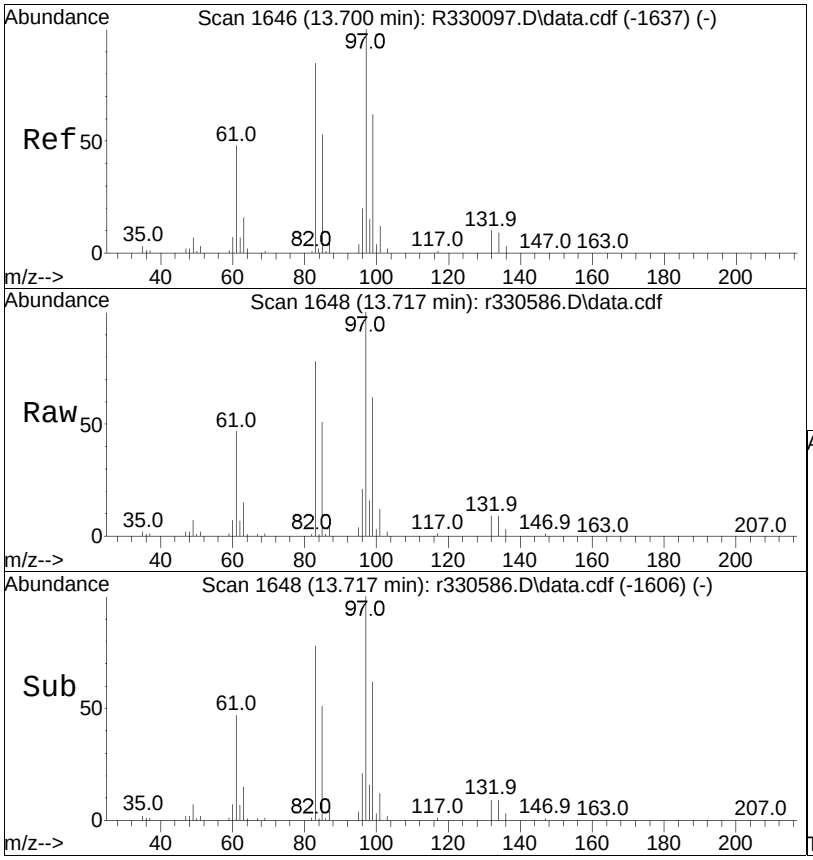


#65
trans-1,3-dichloropropene
Concen: 9.58 ppbV
RT: 13.517 min Scan# 1624
Delta R.T. 0.017 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 75 Resp: 371542

Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.4	36.6
39	43.8	37.0	55.6

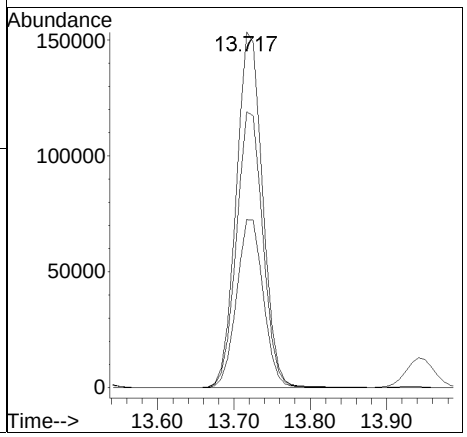


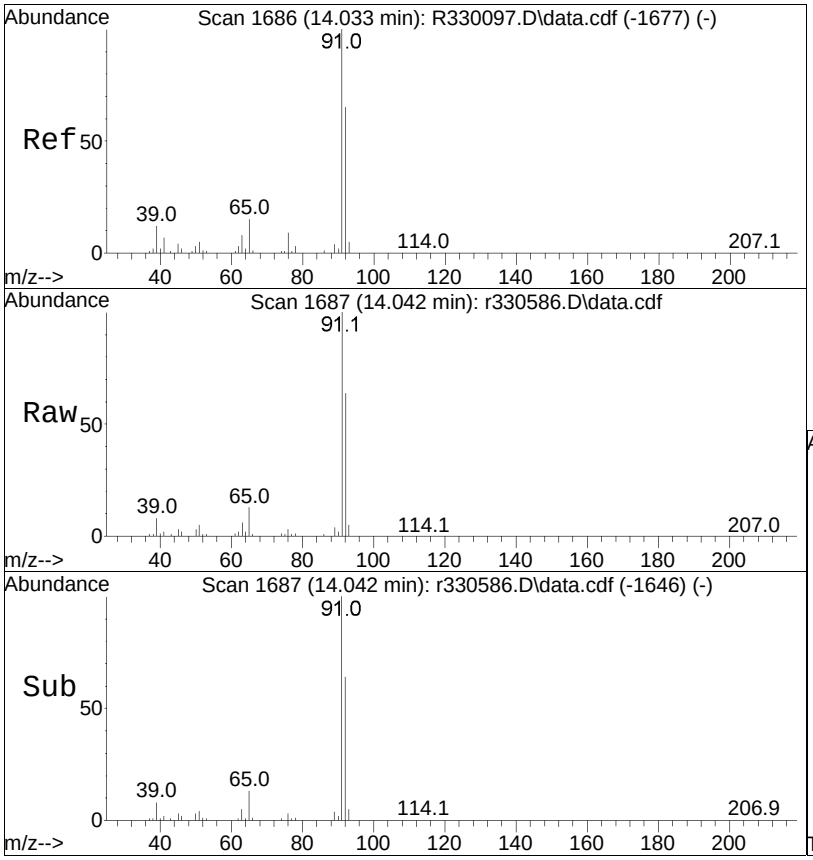


#66
1,1,2-trichloroethane
Concen: 11.10 ppbV
RT: 13.717 min Scan# 1648
Delta R.T. 0.017 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 97 Resp: 367473

Ion	Ratio	Lower	Upper
97	100		
83	77.5	67.8	101.8
61	47.3	38.5	57.7

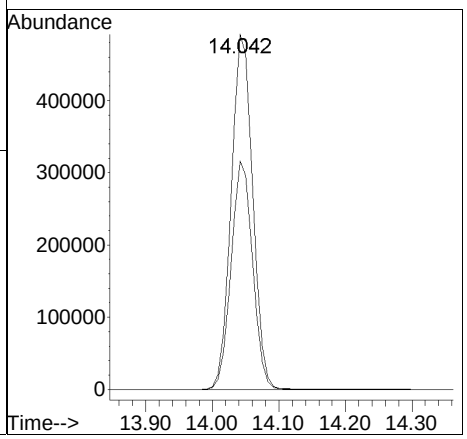


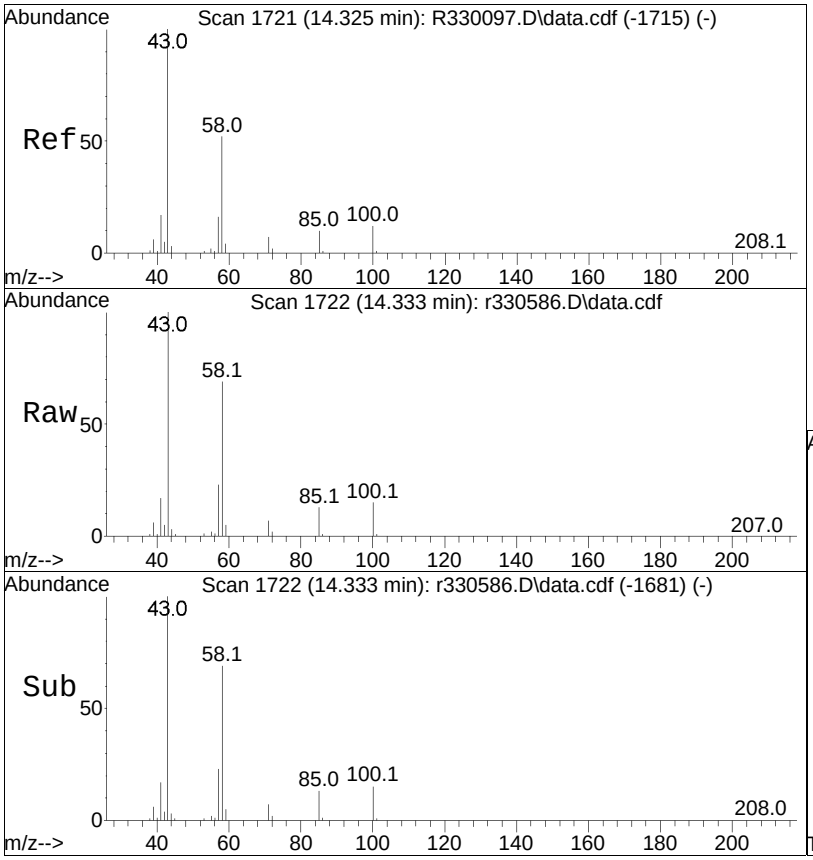


#68
toluene
Concen: 9.28 ppbV
RT: 14.042 min Scan# 1687
Delta R.T. 0.008 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 91 Resp: 1103609

Ion	Ratio	Lower	Upper
91	100		
92	64.3	52.1	78.1

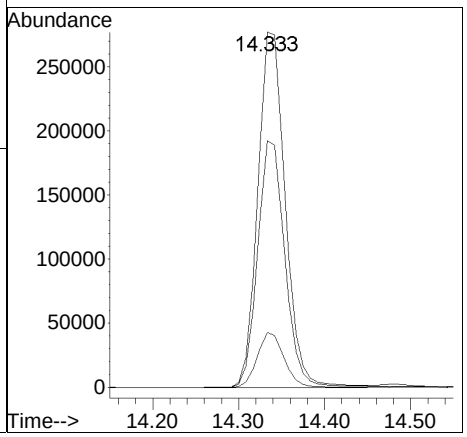


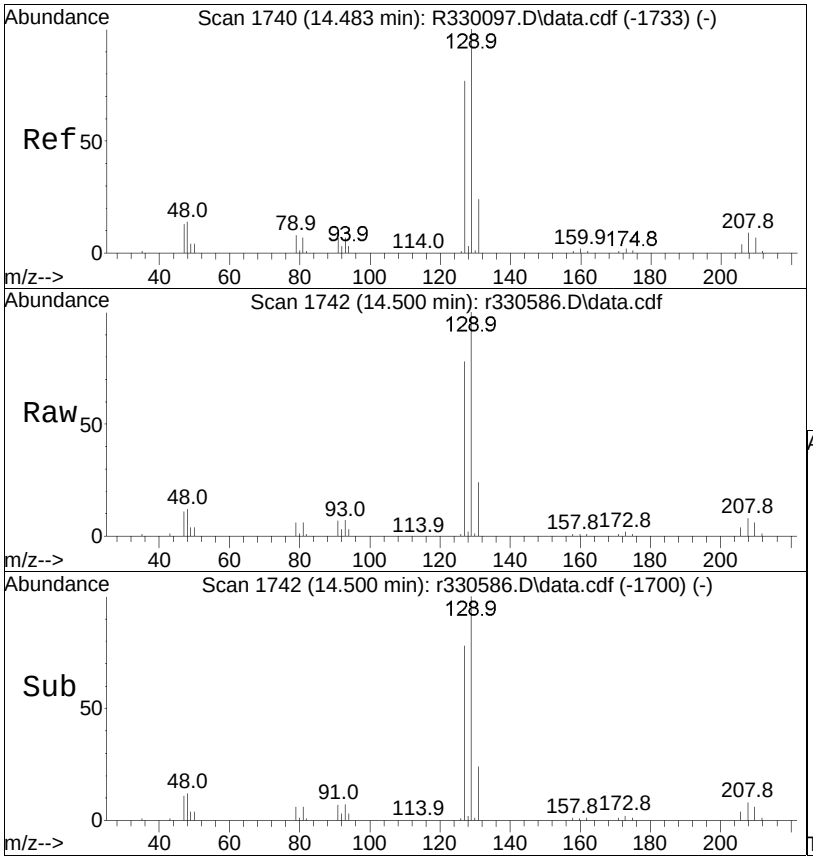


#72
2-hexanone
Concen: 7.71 ppbV
RT: 14.333 min Scan# 1722
Delta R.T. 0.008 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 43 Resp: 616022

Ion	Ratio	Lower	Upper
43	100		
58	69.4	41.9	62.9#
100	15.4	10.2	15.2#

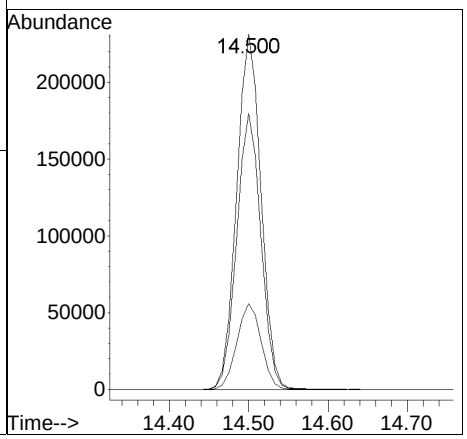


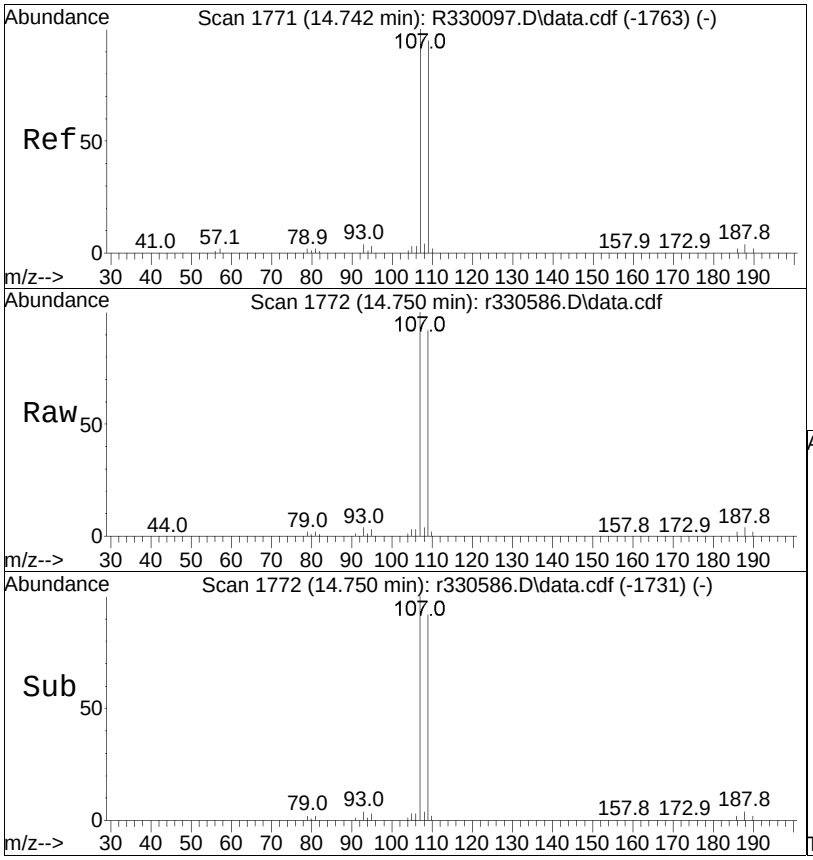


#74
dibromochloromethane
Concen: 10.34 ppbV
RT: 14.500 min Scan# 1742
Delta R.T. 0.017 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion:129 Resp: 493554

Ion	Ratio	Lower	Upper
129	100		
127	77.7	61.9	92.9
131	24.2	19.3	28.9

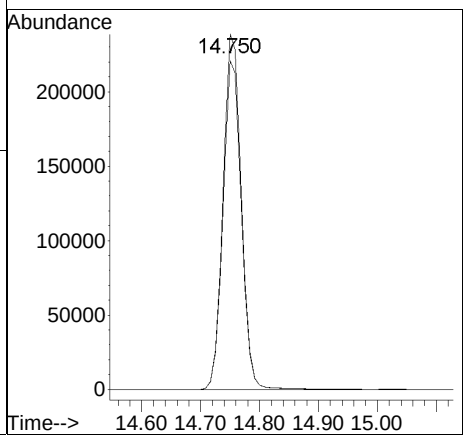


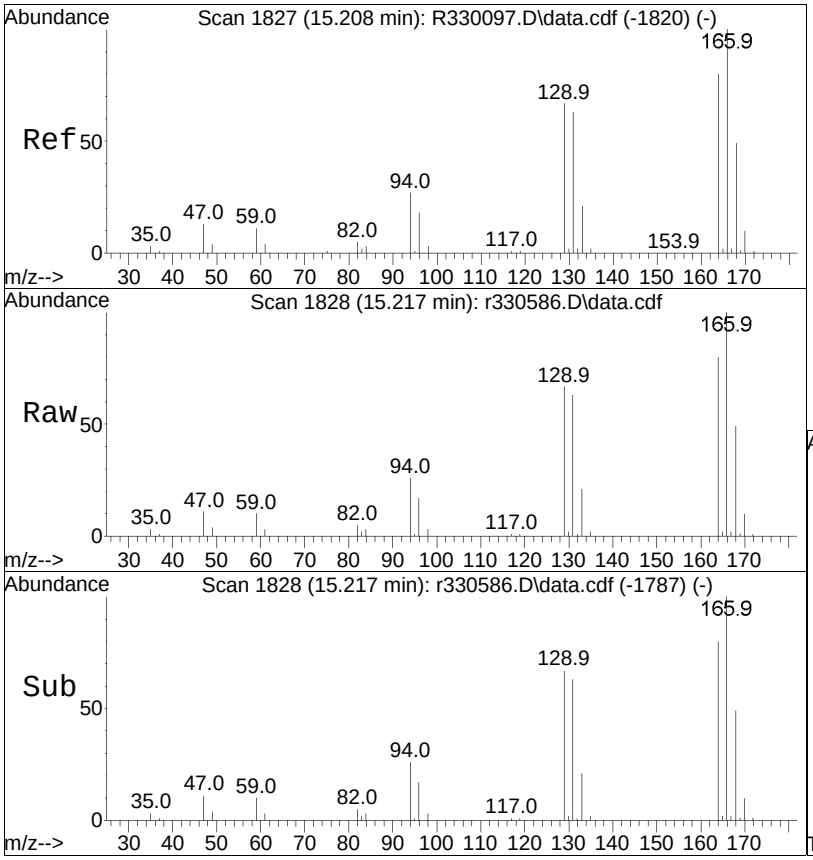


#75
1,2-dibromoethane
Concen: 8.73 ppbV
RT: 14.750 min Scan# 1772
Delta R.T. 0.008 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion:107 Resp: 513191

Ion	Ratio	Lower	Upper
107	100		
109	92.5	76.0	114.0

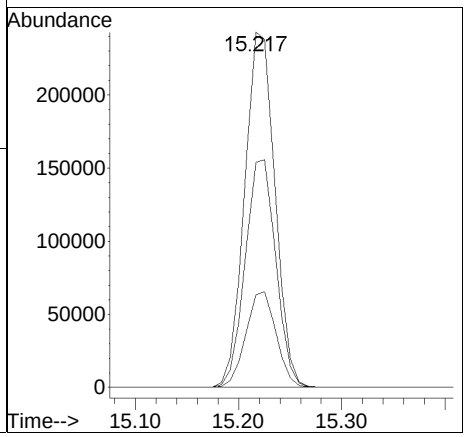


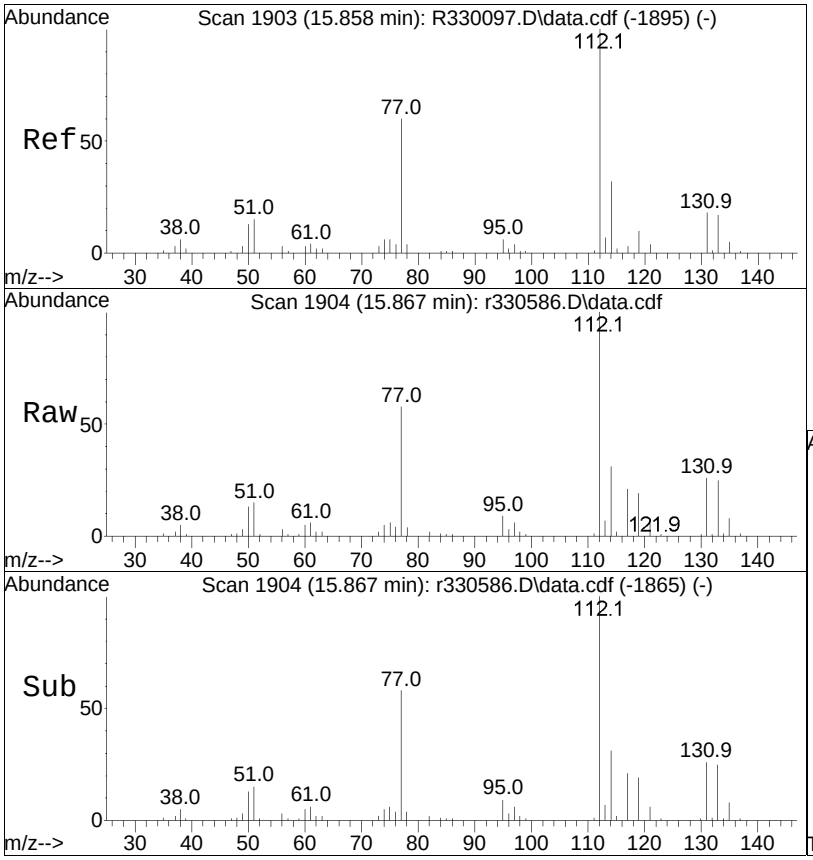


#78
tetrachloroethene
Concen: 9.30 ppbV
RT: 15.217 min Scan# 1828
Delta R.T. 0.008 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion:166 Resp: 497155

Ion	Ratio	Lower	Upper
166	100		
131	63.4	50.6	75.8
94	26.1	21.4	32.2

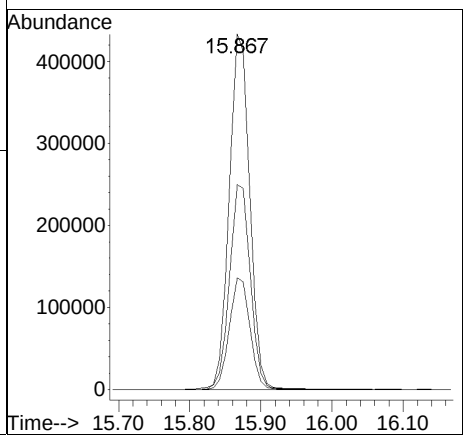


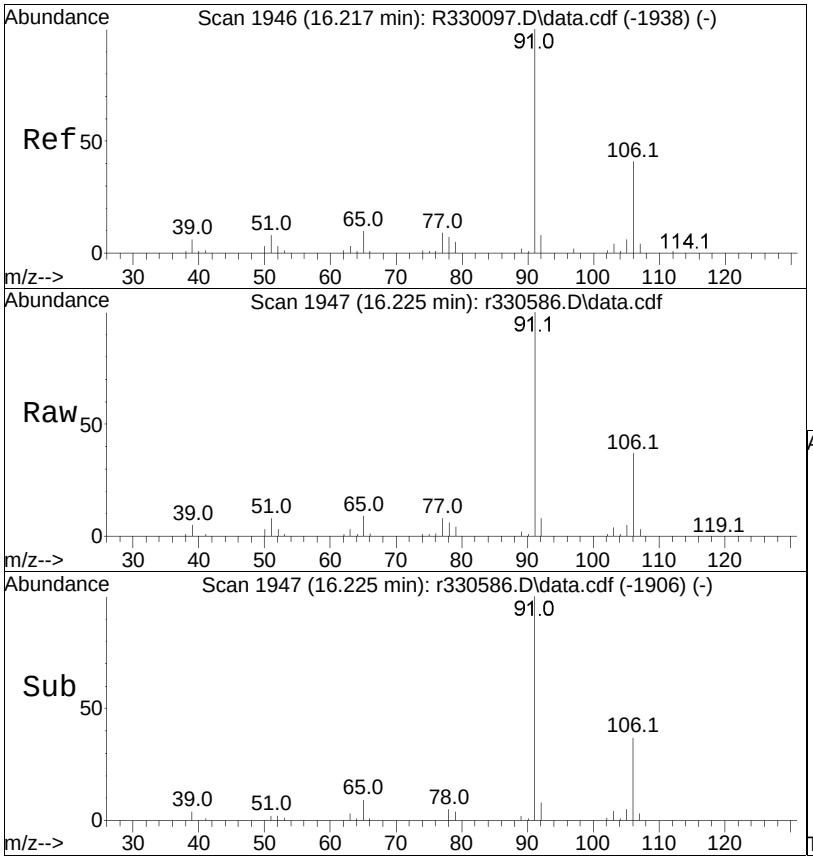


#80
chlorobenzene
Concen: 8.45 ppbV
RT: 15.867 min Scan# 1904
Delta R.T. 0.009 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion:112 Resp: 866522

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.4	38.0
77	57.6	48.4	72.6

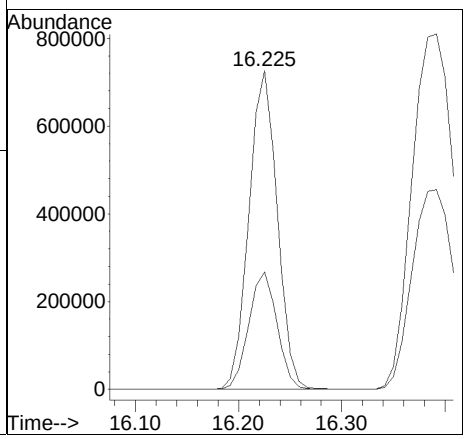


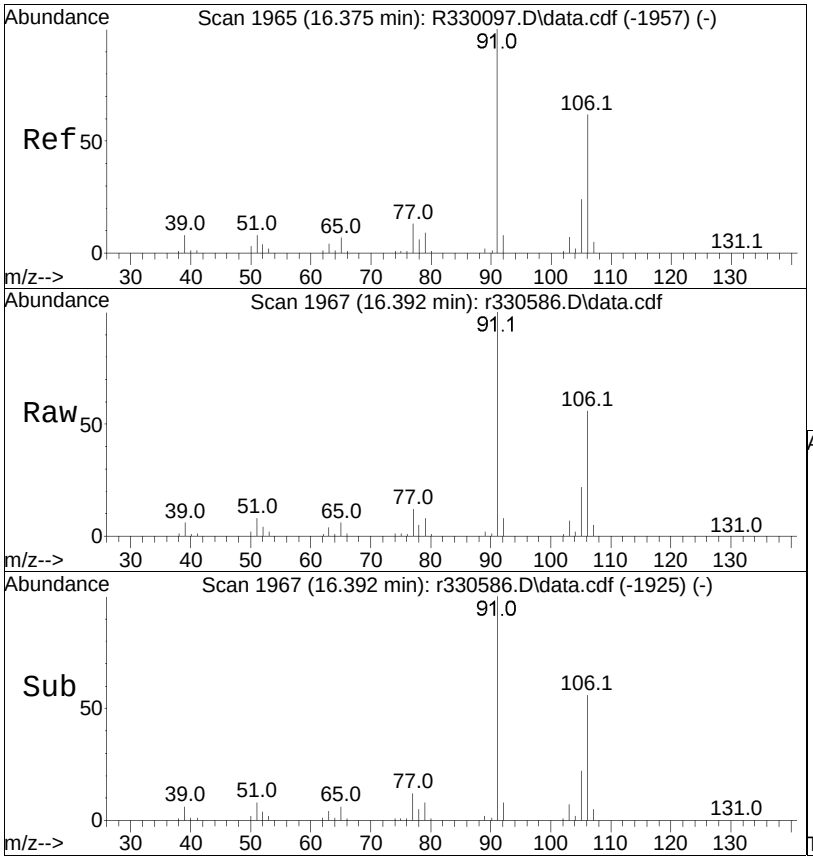


#81
ethylbenzene
Concen: 9.28 ppbV
RT: 16.225 min Scan# 1947
Delta R.T. 0.008 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 91 Resp: 1386276

Ion	Ratio	Lower	Upper
91	100		
106	36.9	32.6	49.0

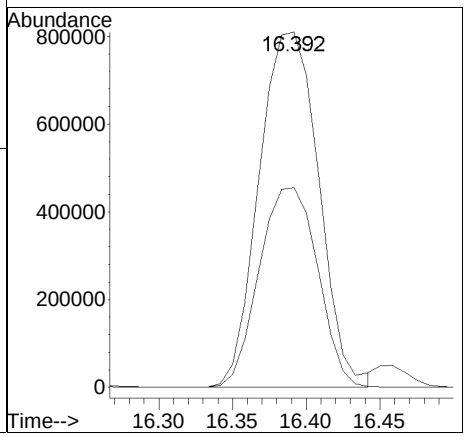


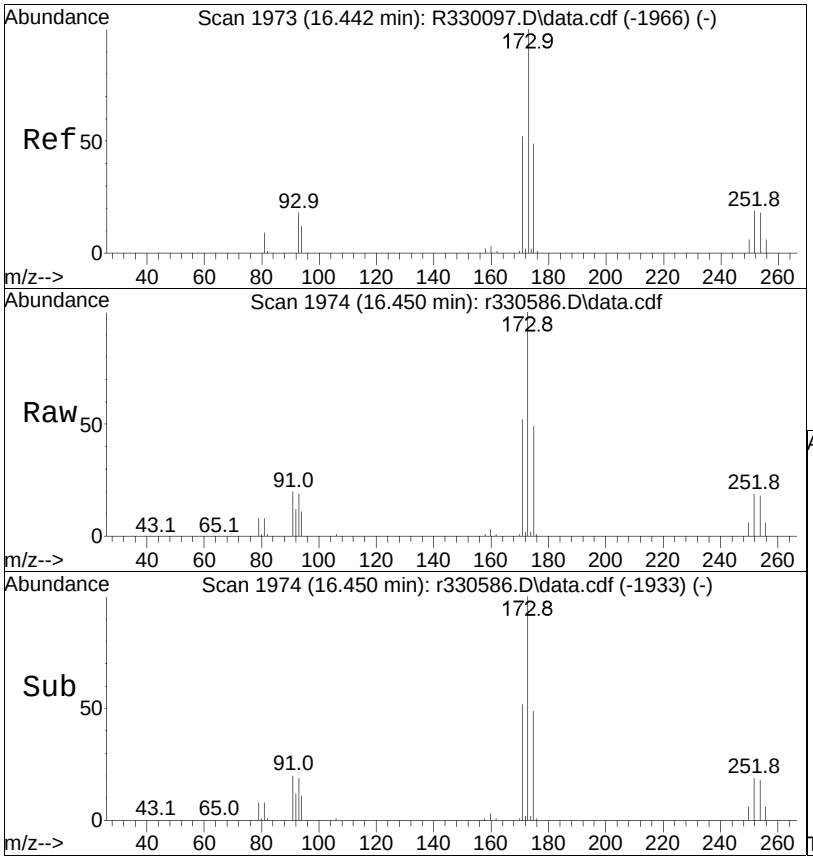


#83
m+p-xylene
Concen: 19.01 ppbV
RT: 16.392 min Scan# 1967
Delta R.T. 0.017 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 91 Resp: 2278451

Ion	Ratio	Lower	Upper
91	100		
106	56.2	49.2	73.8

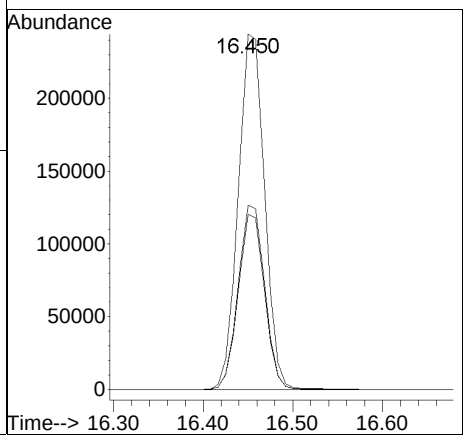


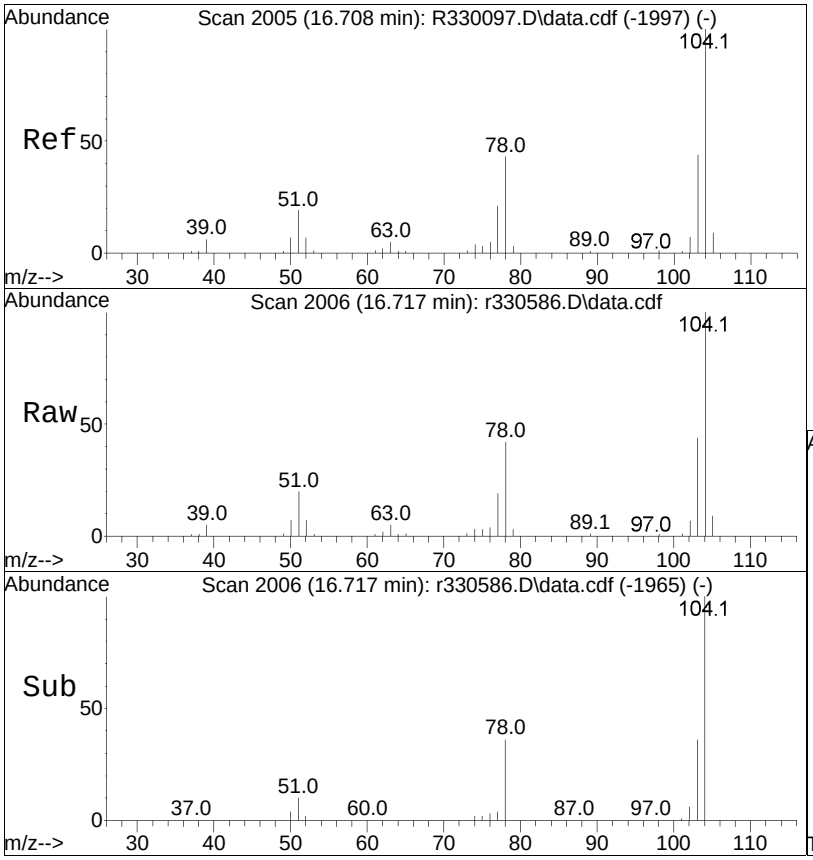


#84
bromoform
Concen: 10.77 ppbV
RT: 16.450 min Scan# 1974
Delta R.T. 0.008 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion:173 Resp: 498905

Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.2	58.8
171	51.9	41.8	62.6

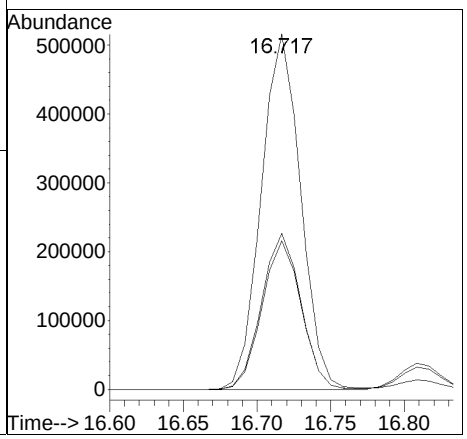


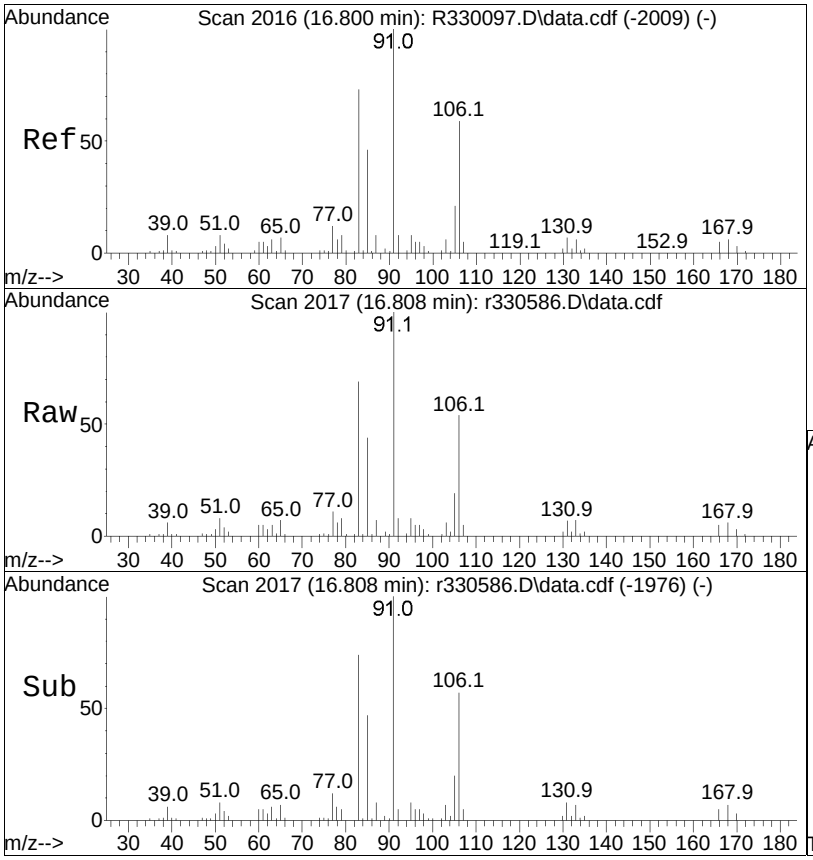


#85
styrene
Concen: 8.87 ppbV
RT: 16.717 min Scan# 2006
Delta R.T. 0.008 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion:104 Resp: 959188

Ion	Ratio	Lower	Upper
104	100		
103	43.9	35.0	52.4
78	41.8	34.3	51.5

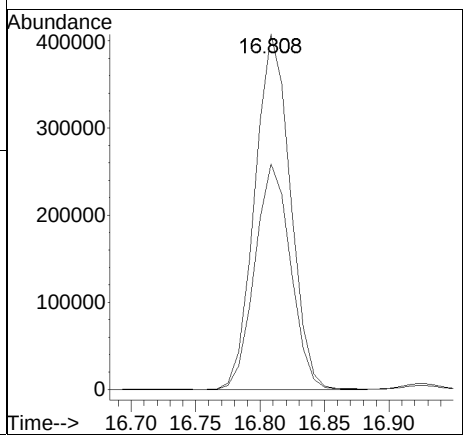


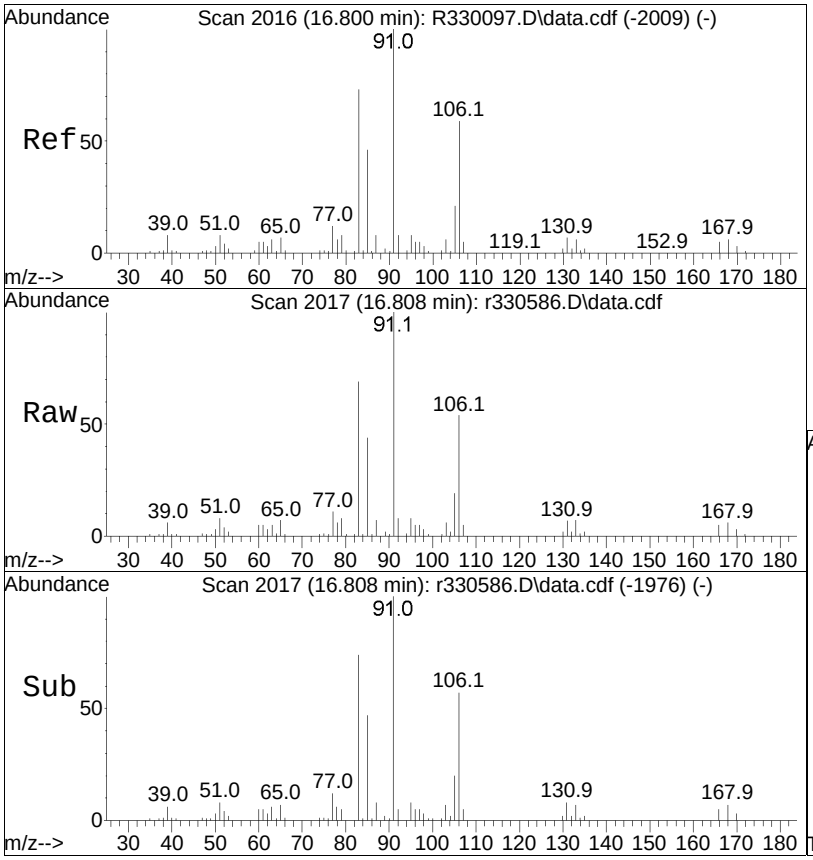


#86
1,1,2,2-tetrachloroethane
Concen: 9.10 ppbV
RT: 16.808 min Scan# 2017
Delta R.T. 0.008 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 83 Resp: 781161

Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.5	75.7

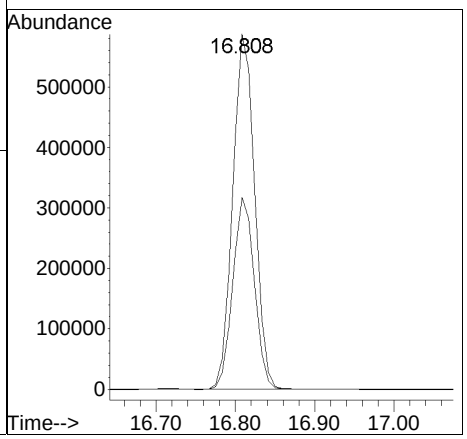


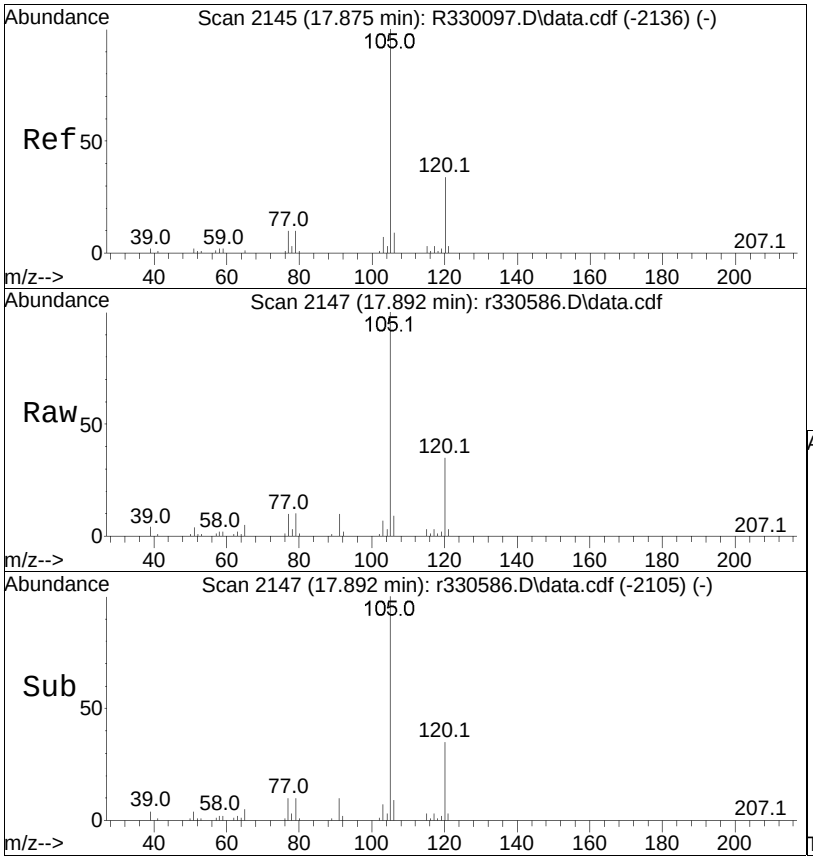


#87
o-xylene
Concen: 9.48 ppbV
RT: 16.808 min Scan# 2017
Delta R.T. 0.008 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 91 Resp: 1125215

Ion	Ratio	Lower	Upper
91	100		
106	54.1	47.5	71.3

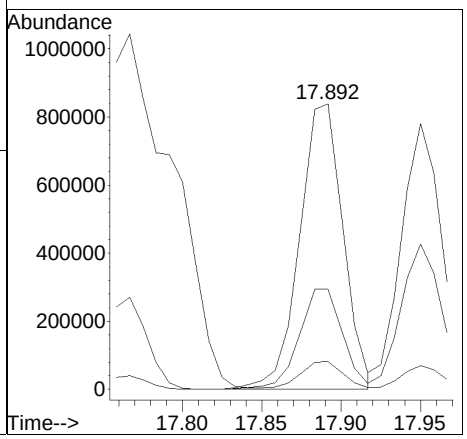


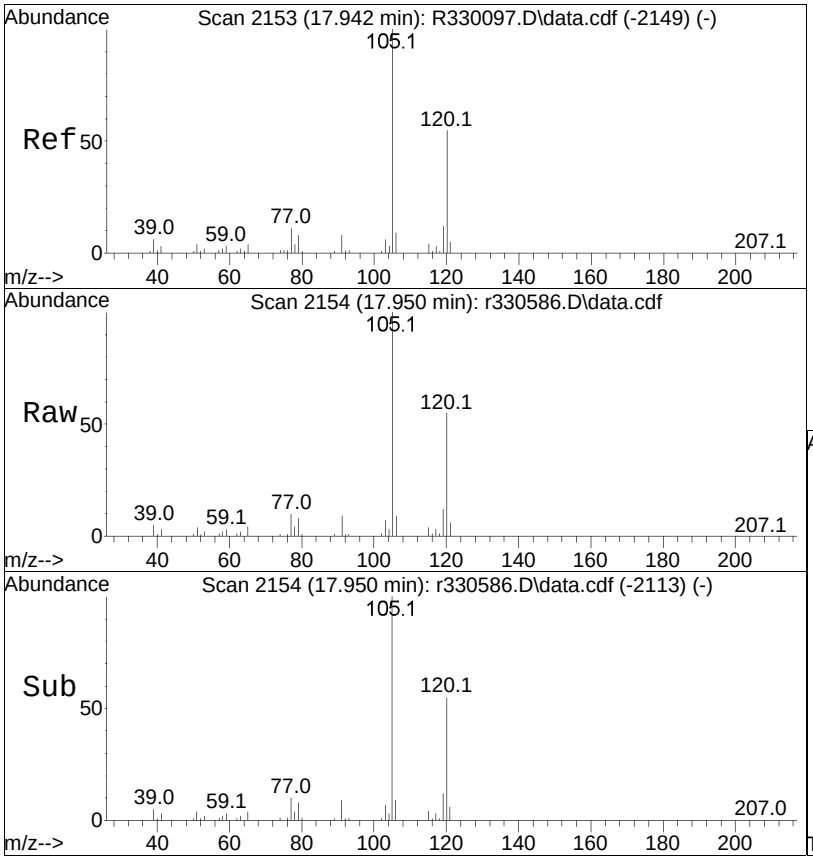


#96
4-ethyl toluene
Concen: 9.04 ppbV
RT: 17.892 min Scan# 2147
Delta R.T. 0.017 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion:105 Resp: 1598516

Ion	Ratio	Lower	Upper
105	100		
120	35.1	27.2	40.8
91	9.7	7.1	10.7

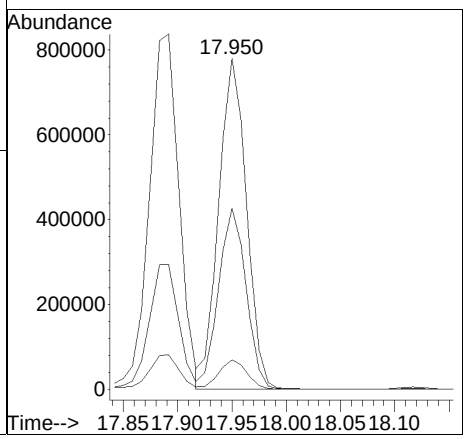


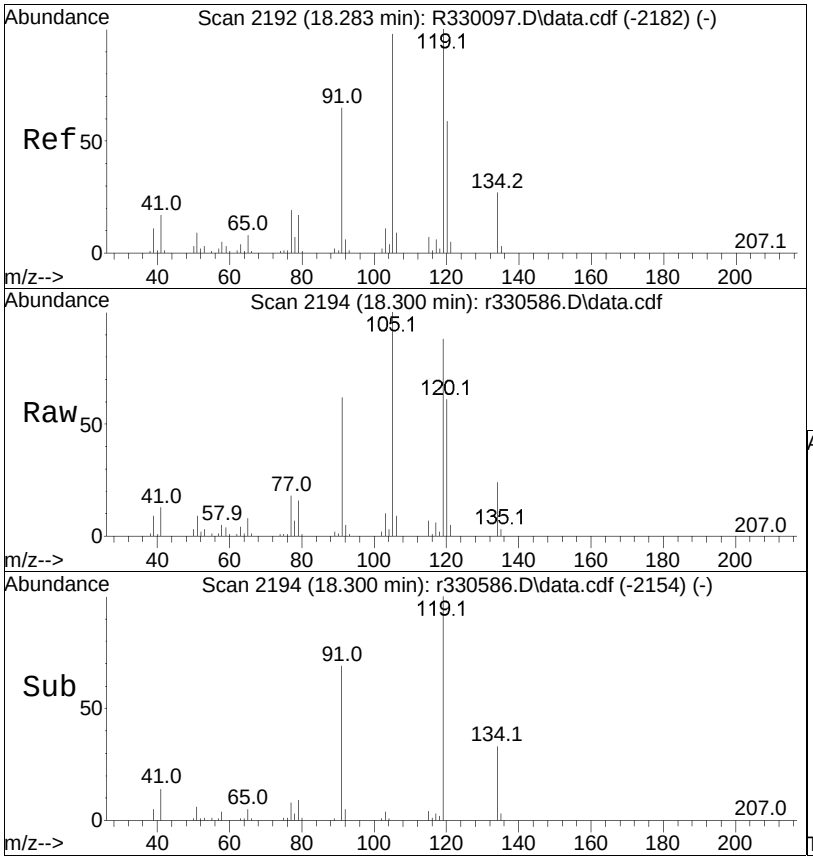


#97
1,3,5-trimethylbenzene
Concen: 9.02 ppbV
RT: 17.950 min Scan# 2154
Delta R.T. 0.008 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion:105 Resp: 1388688

Ion	Ratio	Lower	Upper
105	100		
120	54.7	43.1	64.7
91	9.0	6.8	10.2

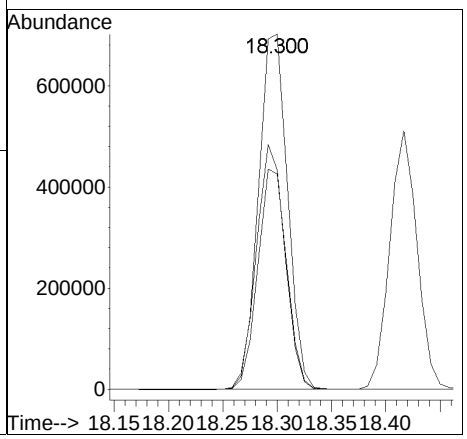


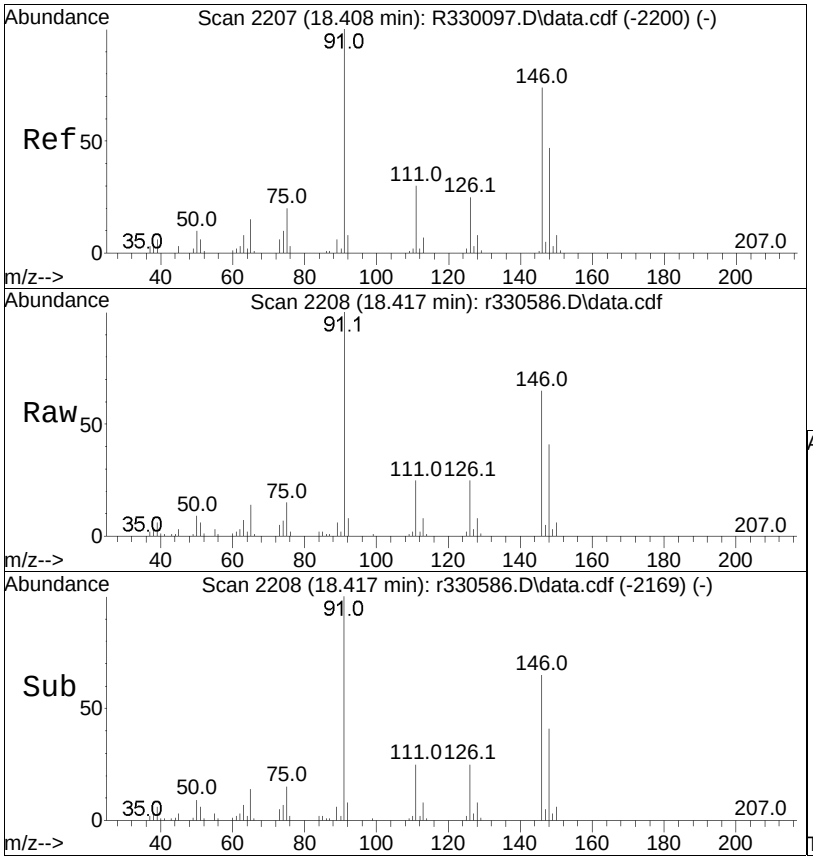


#99
1,2,4-trimethylbenzene
Concen: 8.89 ppbV
RT: 18.300 min Scan# 2194
Delta R.T. 0.017 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion:105 Resp: 1312461

Ion	Ratio	Lower	Upper
105	100		
120	60.7	47.8	71.8
91	61.7	53.4	80.0

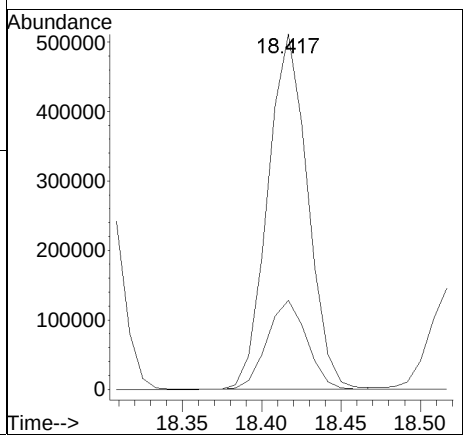


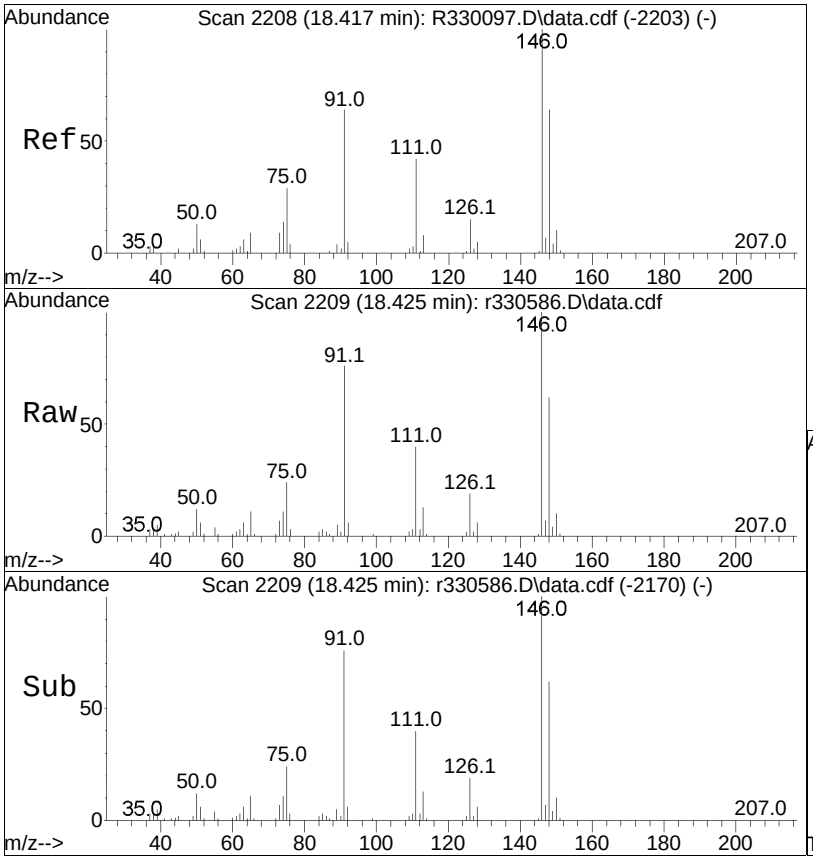


#101
Benzyl Chloride
Concen: 9.57 ppbV
RT: 18.417 min Scan# 2208
Delta R.T. 0.008 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion: 91 Resp: 894364

Ion	Ratio	Lower	Upper
91	100		
126	25.1	20.1	30.1

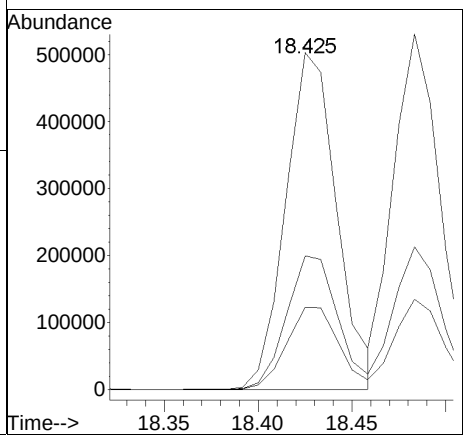


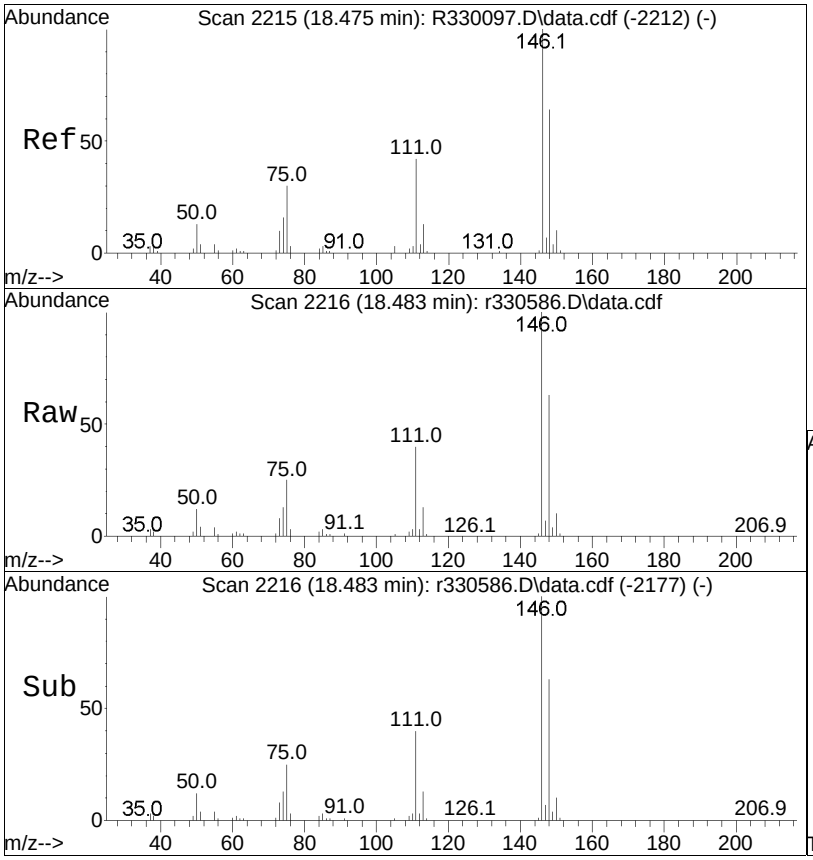


#102
1,3-dichlorobenzene
Concen: 9.68 ppbV
RT: 18.425 min Scan# 2209
Delta R.T. 0.008 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion:146 Resp: 951680

Ion	Ratio	Lower	Upper
146	100		
111	39.7	33.5	50.3
75	24.4	22.9	34.3

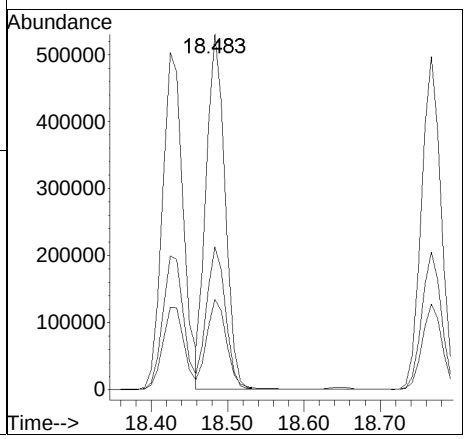


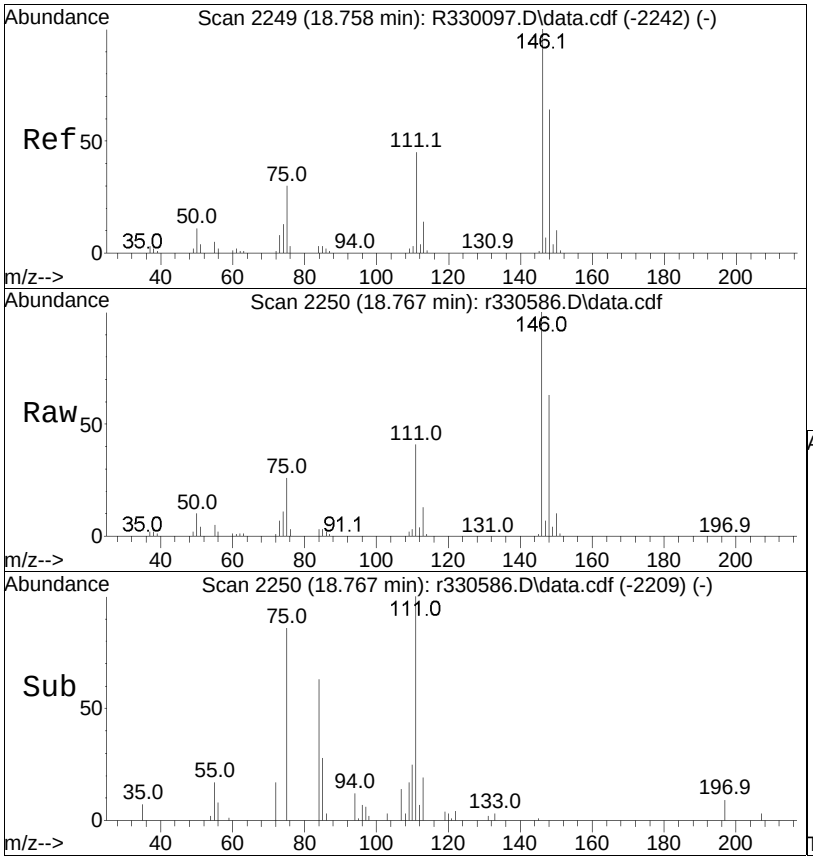


#103
1,4-dichlorobenzene
Concen: 9.26 ppbV
RT: 18.483 min Scan# 2216
Delta R.T. 0.008 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion:146 Resp: 911485

Ion	Ratio	Lower	Upper
146	100		
111	40.1	33.4	50.0
75	25.4	23.6	35.4

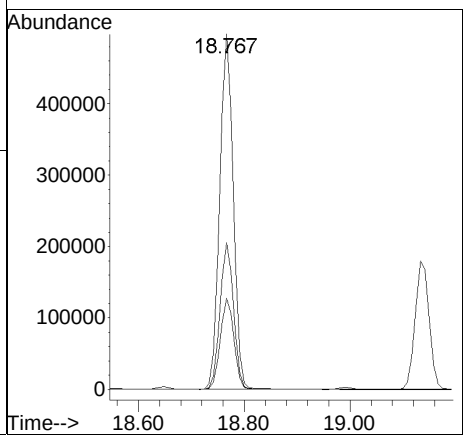


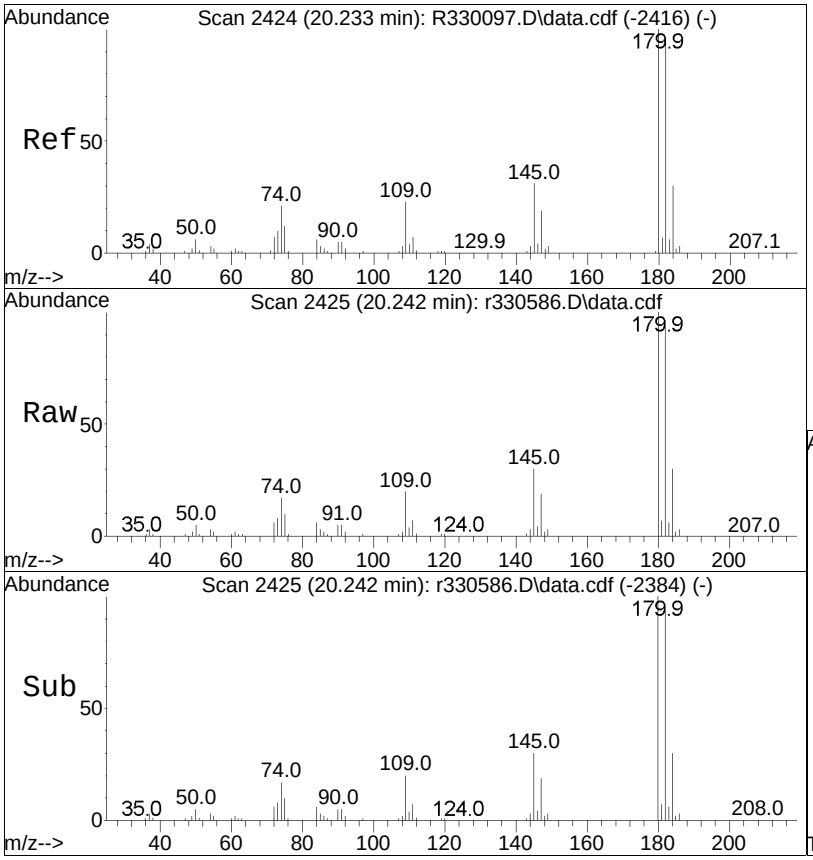


#107
1,2-dichlorobenzene
Concen: 9.27 ppbV
RT: 18.767 min Scan# 2250
Delta R.T. 0.008 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion:146 Resp: 883926

Ion	Ratio	Lower	Upper
146	100		
111	41.3	35.7	53.5
75	25.7	24.1	36.1

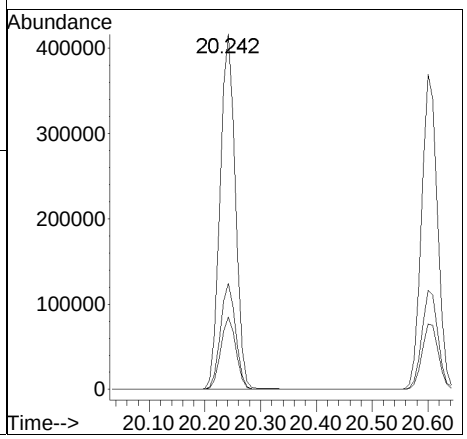


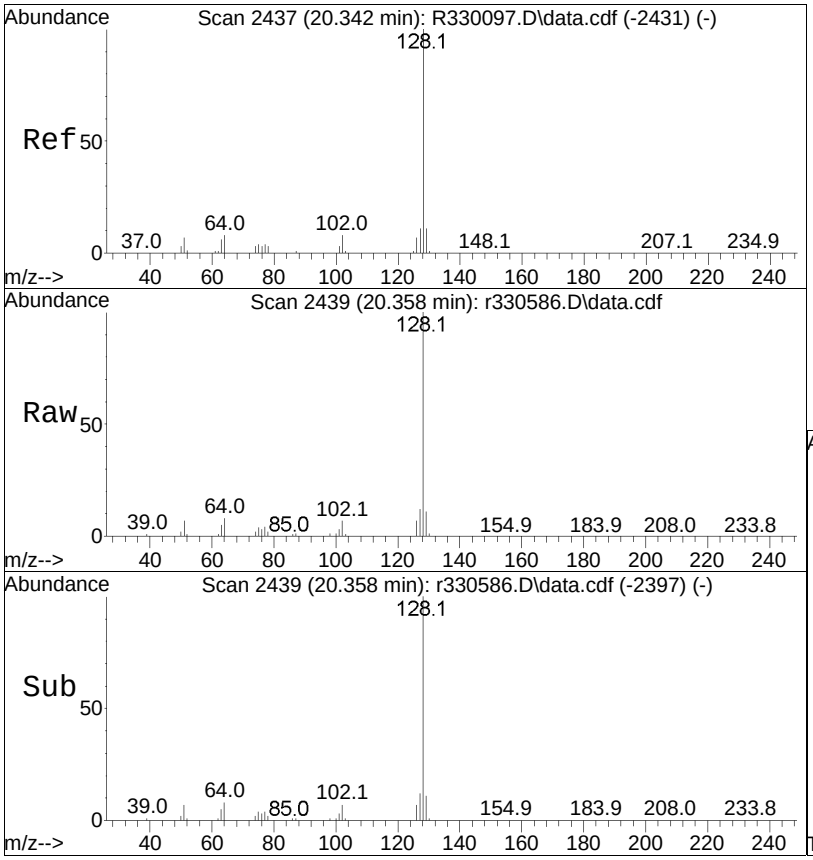


#115
1,2,4-trichlorobenzene
Concen: 9.80 ppbV
RT: 20.242 min Scan# 2425
Delta R.T. 0.008 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion:180 Resp: 796157

Ion	Ratio	Lower	Upper
180	100		
145	29.9	24.6	36.8
109	20.3	18.4	27.6

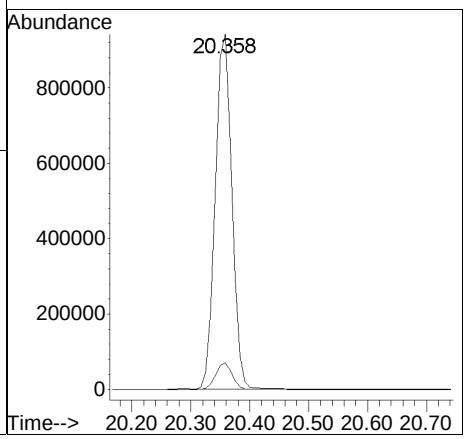


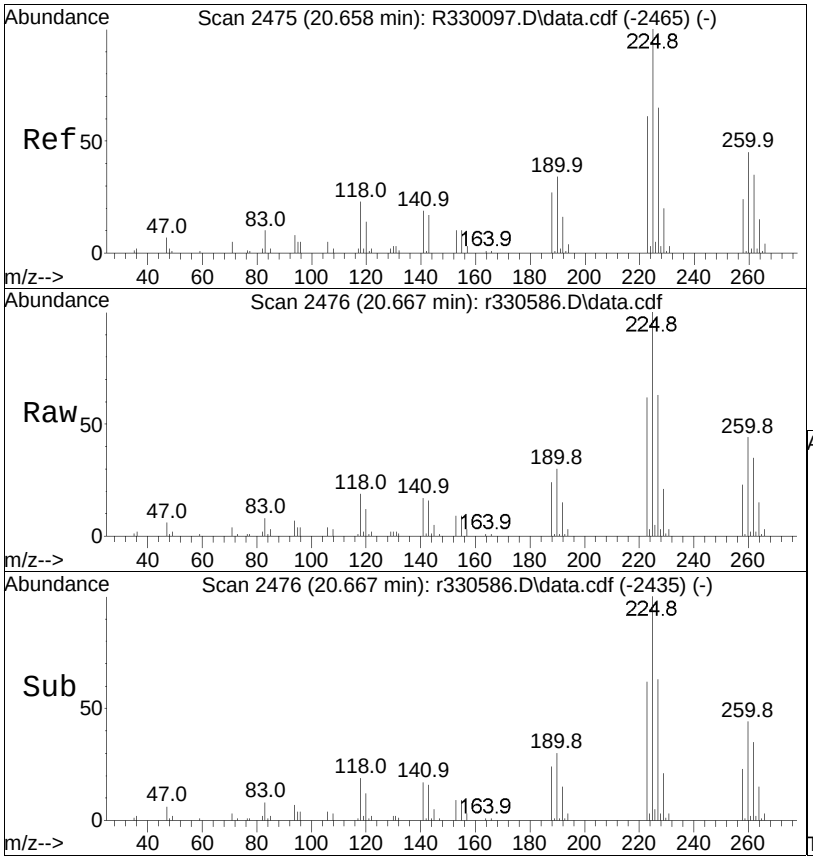


#116
naphthalene
Concen: 9.84 ppbV
RT: 20.358 min Scan# 2439
Delta R.T. 0.017 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion:128 Resp: 1852214

Ion	Ratio	Lower	Upper
128	100		
102	7.4	6.3	9.5

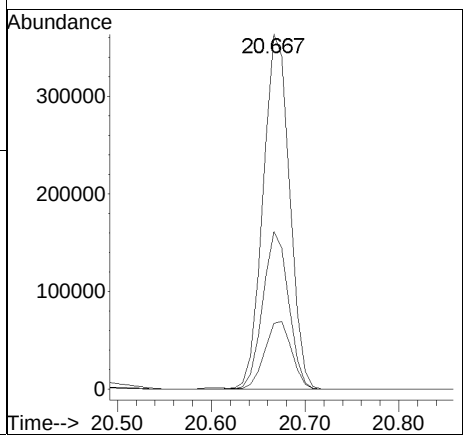




#119
hexachlorobutadiene
Concen: 9.48 ppbV
RT: 20.667 min Scan# 2476
Delta R.T. 0.008 min
Lab File: r330586.D
Acq: 24 Apr 2024 12:44 PM

Tgt Ion:225 Resp: 716825

Ion	Ratio	Lower	Upper
225	100		
260	44.4	35.8	53.6
118	18.6	18.2	27.4



Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330572.D
Acq On : 23 Apr 2024 11:50 PM
Operator : AIRPIANO3:JMB
Sample : WG1912266-5,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:11:48 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423T\r330561.D
Sub List : TO15-NY+NAPH-7-SIM - .

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	8.825	49	341476	10.000	ppbV		0.00
Standard Area = 361003			Recovery =	94.59%			
43) 1,4-difluorobenzene	11.053	114	1120261	10.000	ppbV		0.00
Standard Area = 1163384			Recovery =	96.29%			
67) chlorobenzene-D5	15.817	54	168614	10.000	ppbV	#	0.00
Standard Area = 169079			Recovery =	99.72%			
System Monitoring Compounds							
Target Compounds							Qvalue
5) dichlorodifluoromethane	3.792	85	15929	0.428	ppbV		97
6) chloromethane	3.954	50	9069	0.487	ppbV		96
7) Freon-114	4.056		0	N.D.			
10) 1,3-butadiene	4.308	54	1120	0.069	ppbV		97
13) bromomethane	4.584		0	N.D.			
14) chloroethane	0.000		0	N.D.	d		
15) ethanol	4.890	31	482885	41.341	ppbV	#	78
17) vinyl bromide	0.000		0	N.D.			
19) acetone	5.390	43	3554299	95.637	ppbV	#	79
21) trichlorofluoromethane	5.583	101	9541	0.252	ppbV		100
22) isopropyl alcohol	5.683	45	128835	2.600	ppbV	#	96
27) tertiary butyl alcohol	6.352	59	6853M6	0.139	ppbV		
28) methylene chloride	6.418	49	8236	0.301	ppbV		99
29) 3-chloropropene	6.466		0	N.D.			
30) carbon disulfide	6.712	76	3744	0.044	ppbV	#	49
31) Freon 113	6.712	101	3582	0.080	ppbV		98
32) trans-1,2-dichloroethene	0.000		0	N.D.			
33) 1,1-dichloroethane	7.683		0	N.D.			
34) MTBE	7.733		0	N.D.			
36) 2-butanone	8.142	43	115581	1.819	ppbV	#	96
38) Ethyl Acetate	8.925	61	4487	0.471	ppbV	#	24
39) chloroform	8.975	83	6828	0.162	ppbV		97
40) Tetrahydrofuran	9.425	42	107214	2.613	ppbV		95
42) 1,2-dichloroethane	9.817		0	N.D.			
44) hexane	8.892	57	75566	1.798	ppbV	#	1
50) benzene	10.627	78	26428	0.278	ppbV	#	92
53) cyclohexane	10.947	56	9148	0.205	ppbV	#	86
56) 1,2-dichloropropane	0.000		0	N.D.			

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330572.D
Acq On : 23 Apr 2024 11:50 PM
Operator : AIRPIANO3:JMB
Sample : WG1912266-5,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:11:48 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423T\r330561.D
Sub List : TO15-NY+NAPH-7-SIM - .

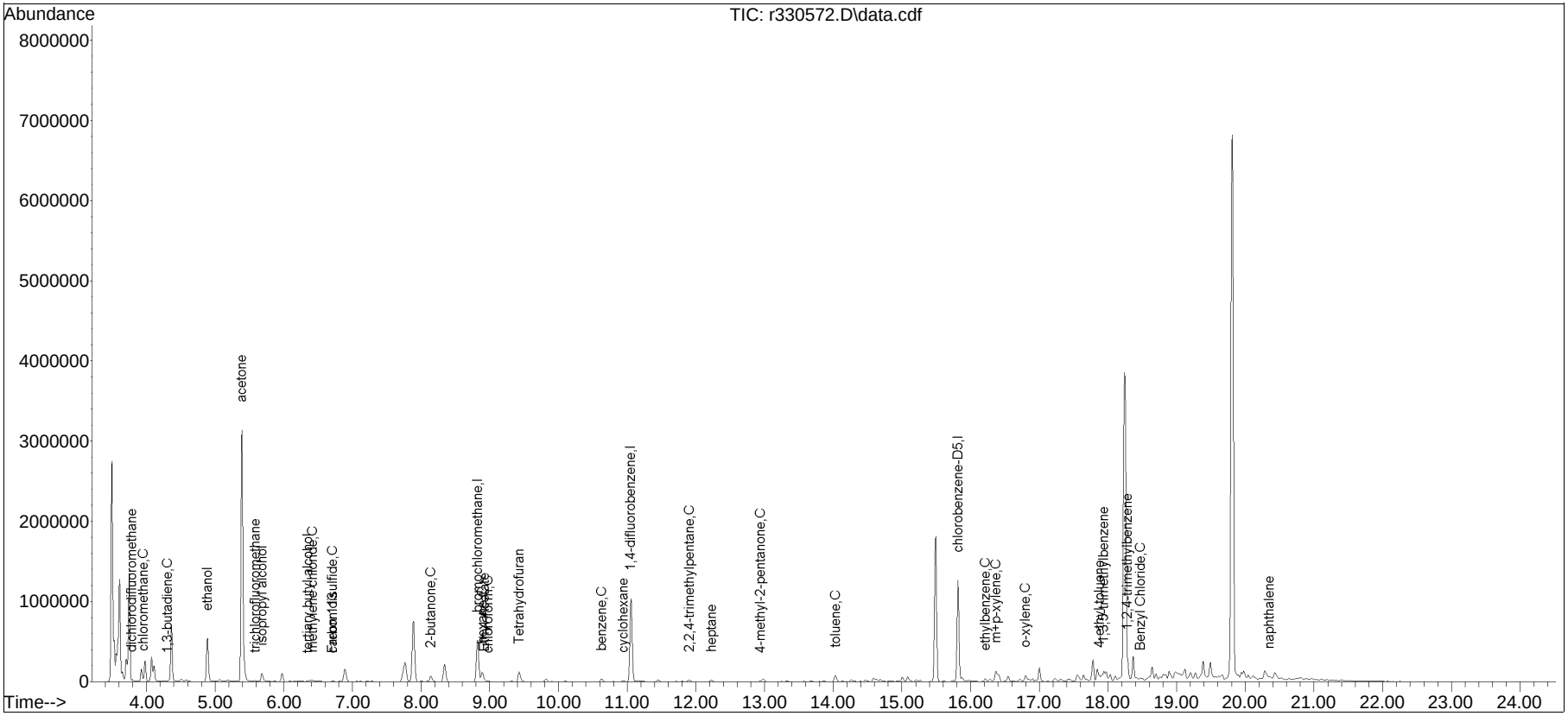
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
57)	bromodichloromethane	11.807		0	N.D.			
58)	1,4-dioxane	0.000		0	N.D.			
60)	2,2,4-trimethylpentane	11.907	57	22686	0.167	ppbV		98
62)	heptane	12.227	43	13979	0.229	ppbV	#	88
63)	cis-1,3-dichloropropene	0.000		0	N.D.			
64)	4-methyl-2-pentanone	12.942	43	8769	0.122	ppbV	#	86
65)	trans-1,3-dichloropropene	0.000		0	N.D.			
66)	1,1,2-trichloroethane	0.000		0	N.D.			
68)	toluene	14.033	91	66417	0.553	ppbV		97
72)	2-hexanone	0.000		0	N.D.	d		
74)	dibromochloromethane	0.000		0	N.D.			
75)	1,2-dibromoethane	0.000		0	N.D.			
80)	chlorobenzene	0.000		0	N.D.	d		
81)	ethylbenzene	16.217	91	34499	0.229	ppbV		92
83)	m+p-xylene	16.367	91	113192	0.935	ppbV		89
84)	bromoform	0.000		0	N.D.			
85)	styrene	16.717		0	N.D.			
86)	1,1,2,2-tetrachloroethane	16.783		0	N.D.			
87)	o-xylene	16.800	91	50598	0.422	ppbV		89
96)	4-ethyl toluene	17.875	105	27891M6	0.156	ppbV		
97)	1,3,5-trimethylbenzene	17.942	105	36158	0.233	ppbV		98
99)	1,2,4-trimethylbenzene	18.283	105	129302M6	0.867	ppbV		
101)	Benzyl Chloride	18.475	91	4248	0.045	ppbV	#	50
102)	1,3-dichlorobenzene	18.483		0	N.D.			
103)	1,4-dichlorobenzene	18.483		0	N.D.			
107)	1,2-dichlorobenzene	0.000		0	N.D.			
115)	1,2,4-trichlorobenzene	0.000		0	N.D.			
116)	naphthalene	20.350	128	10371M4	0.055	ppbV		
119)	hexachlorobutadiene	0.000		0	N.D.			

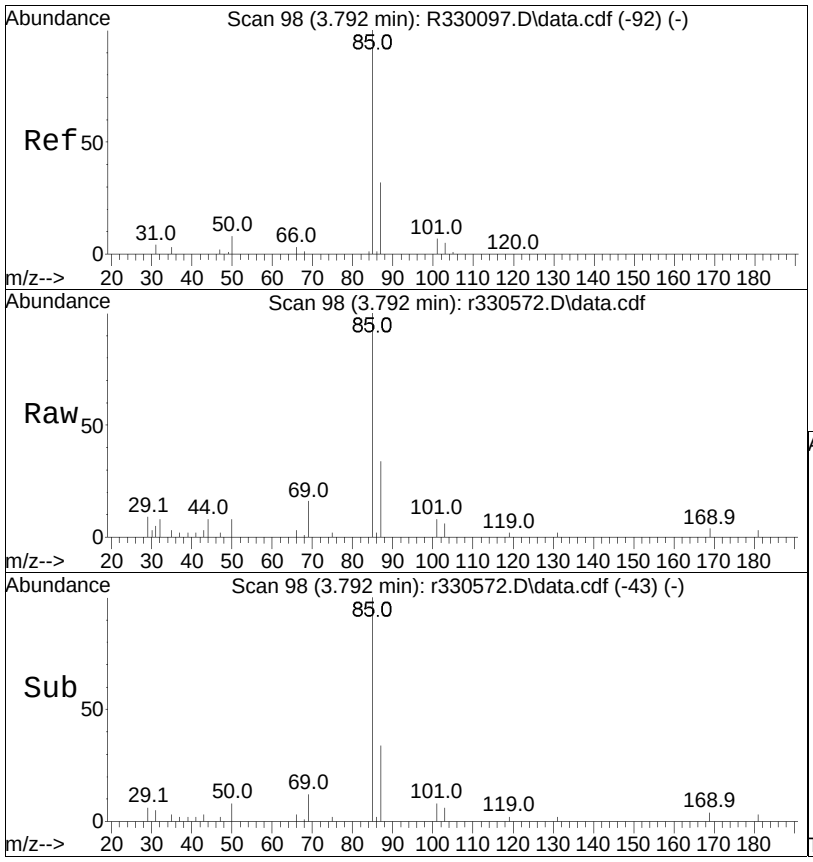
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY+NAPH-7-SIM - .iano3\2024\04\0423T\r330561.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423T\
Data File : r330572.D
Acq On : 23 Apr 2024 11:50 PM
Operator : AIRPIANO3:JMB
Sample : WG1912266-5,3,250,250
Misc : WG1912266,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:11:48 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

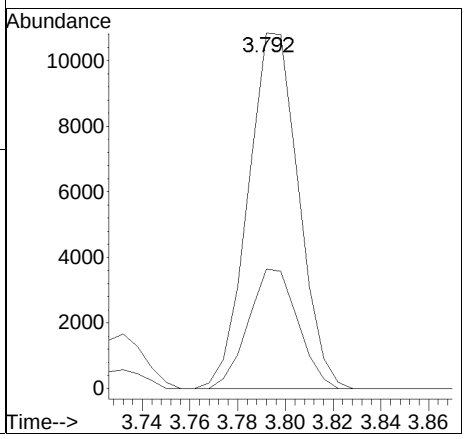


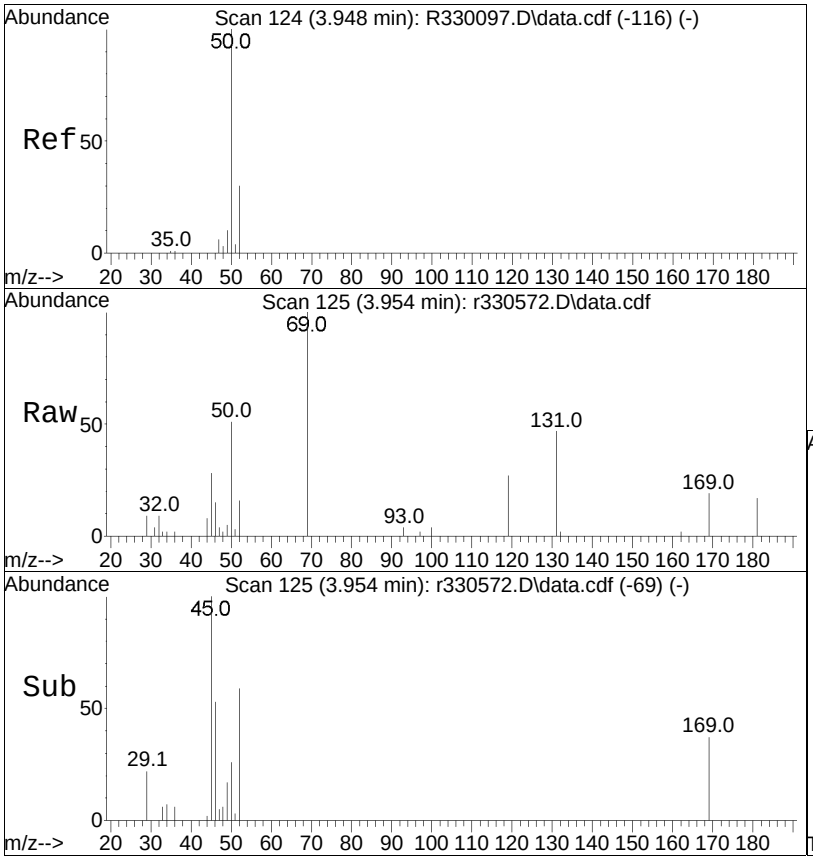


#5
dichlorodifluoromethane
Concen: 0.43 ppbV
RT: 3.792 min Scan# 98
Delta R.T. 0.000 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion: 85 Resp: 15929

Ion	Ratio	Lower	Upper
85	100		
87	33.6	25.4	38.2

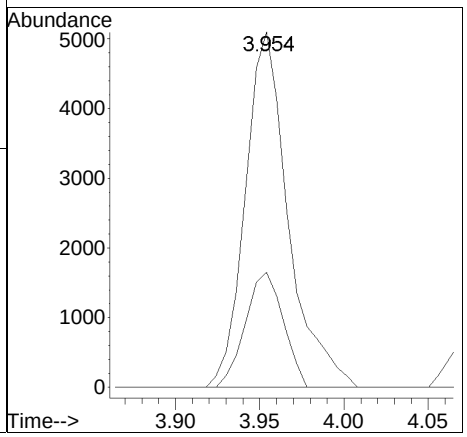


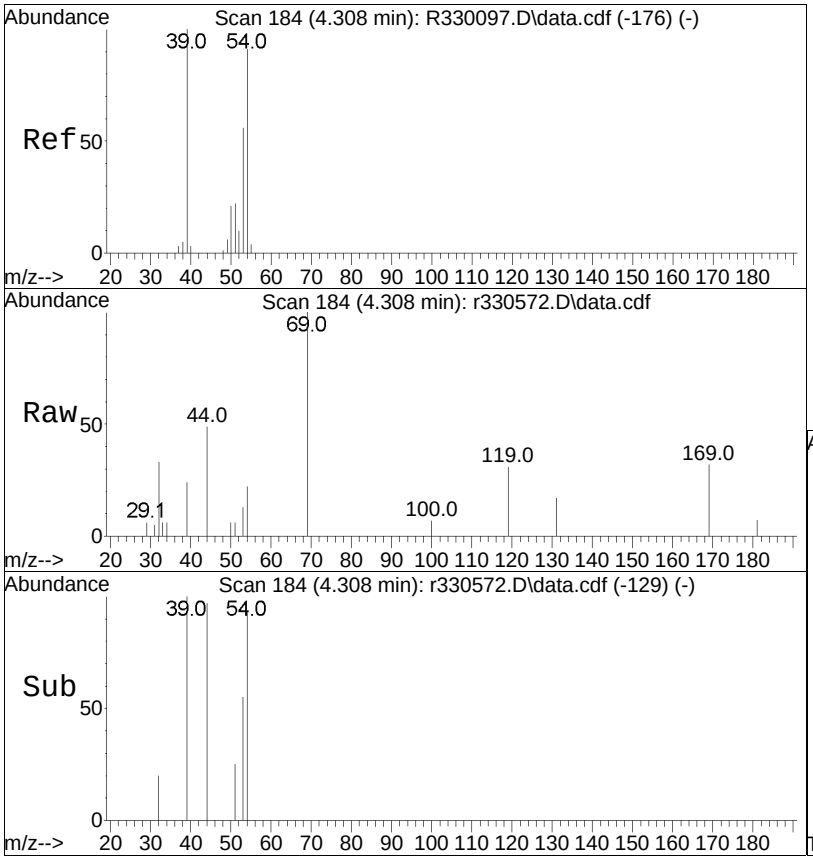


#6
chloromethane
Concen: 0.49 ppbV
RT: 3.954 min Scan# 125
Delta R.T. 0.006 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion: 50 Resp: 9069

Ion	Ratio	Lower	Upper
50	100		
52	32.4	24.0	36.0

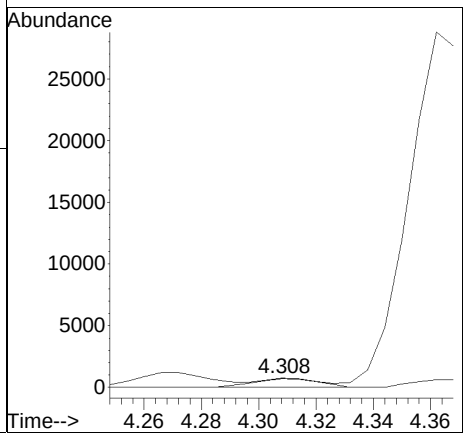


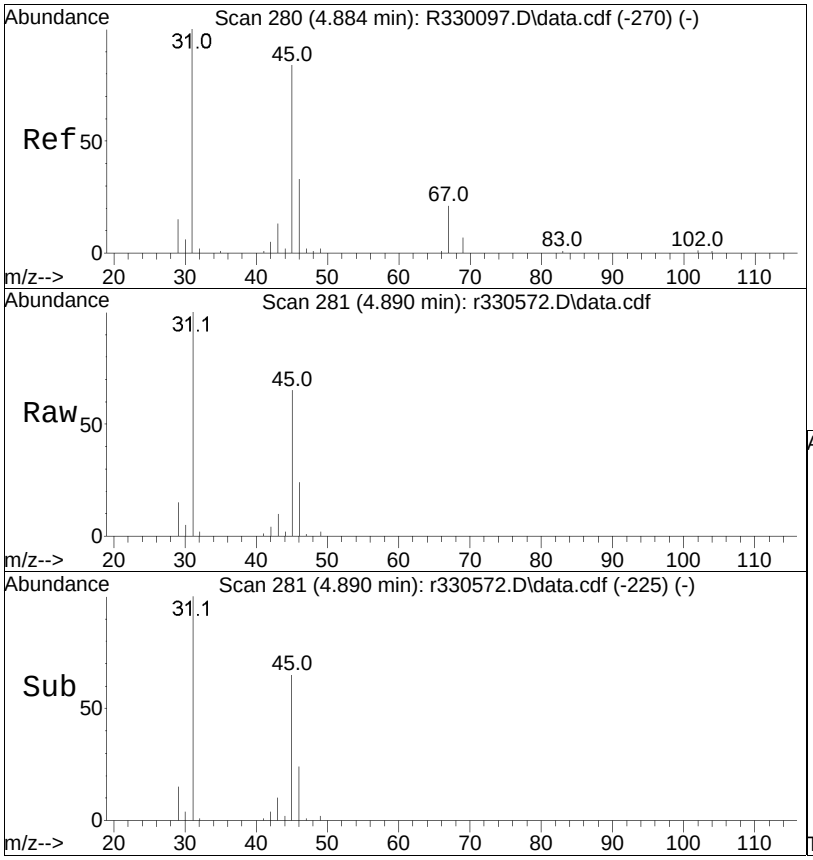


#10
1,3-butadiene
Concen: 0.07 ppbV
RT: 4.308 min Scan# 184
Delta R.T. 0.000 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion: 54 Resp: 1120

Ion	Ratio	Lower	Upper
54	100		
39	107.1	88.2	132.4

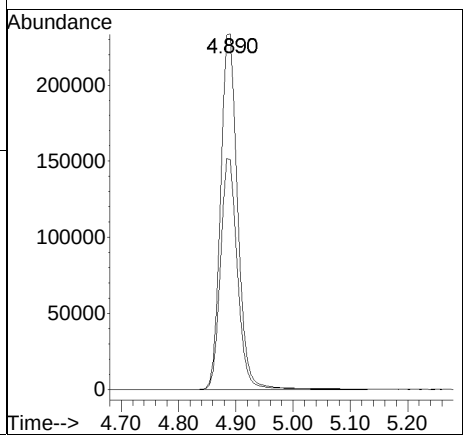


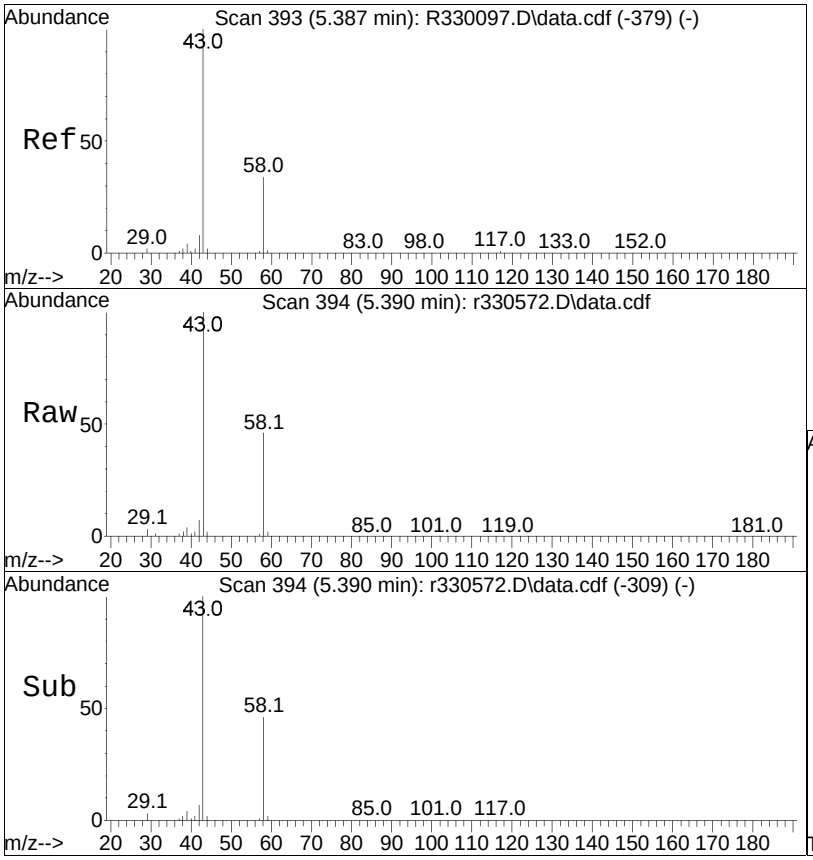


#15
ethanol
Concen: 41.34 ppbV
RT: 4.890 min Scan# 281
Delta R.T. 0.006 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion: 31 Resp: 482885

Ion	Ratio	Lower	Upper
31	100		
45	64.7	67.5	101.3#

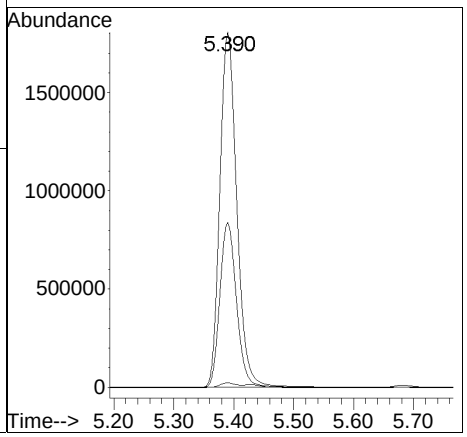


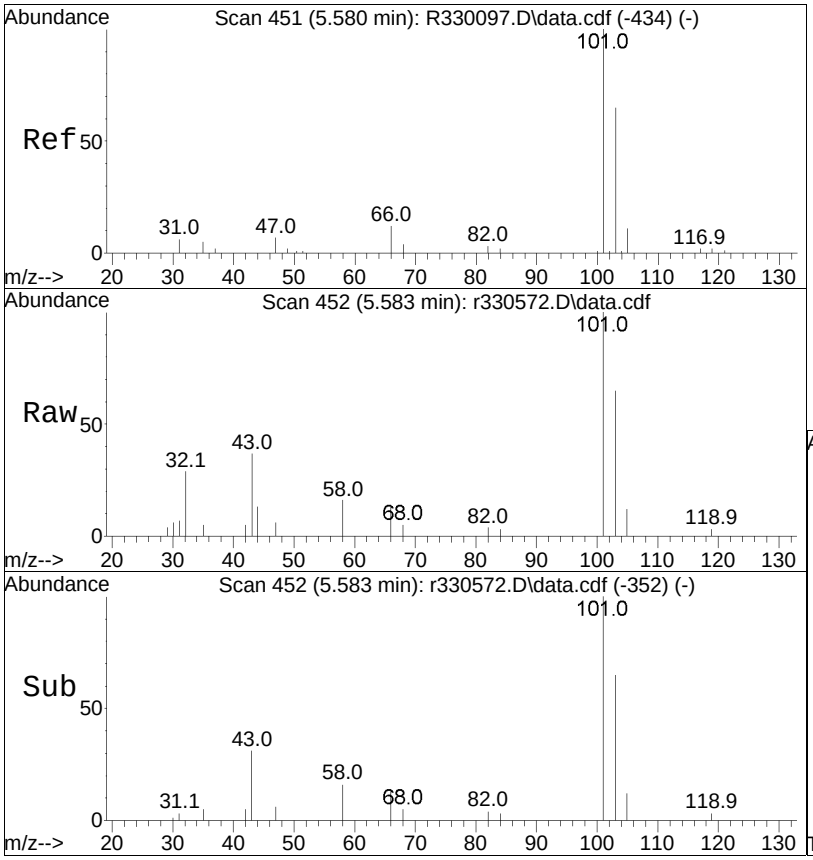


#19
acetone
Concen: 95.64 ppbV
RT: 5.390 min Scan# 394
Delta R.T. 0.003 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion: 43 Resp: 3554299

Ion	Ratio	Lower	Upper
43	100		
58	46.4	27.3	40.9#
57	1.3	0.8	1.2#

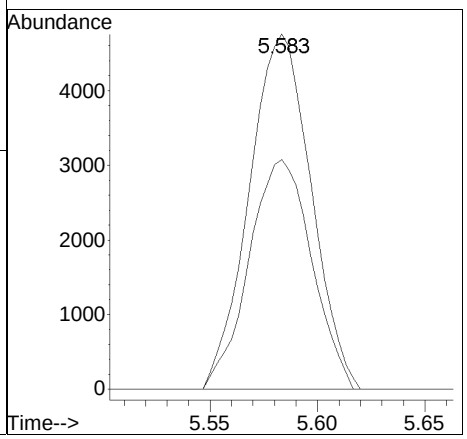


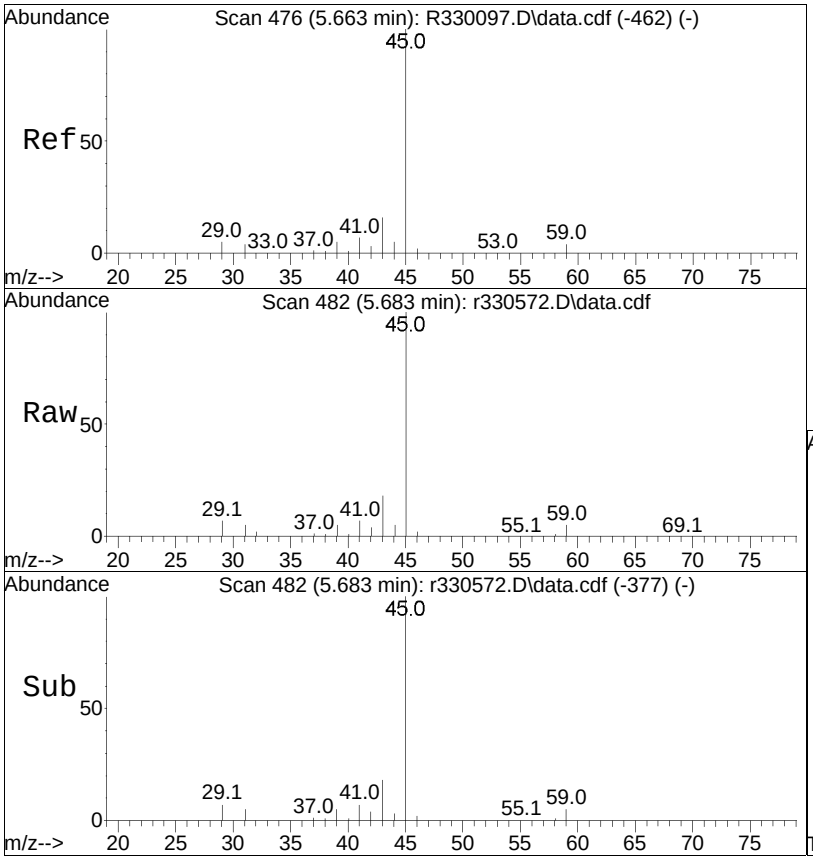


#21
trichlorofluoromethane
Concen: 0.25 ppbV
RT: 5.583 min Scan# 452
Delta R.T. 0.003 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion:101 Resp: 9541

Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.0	78.0

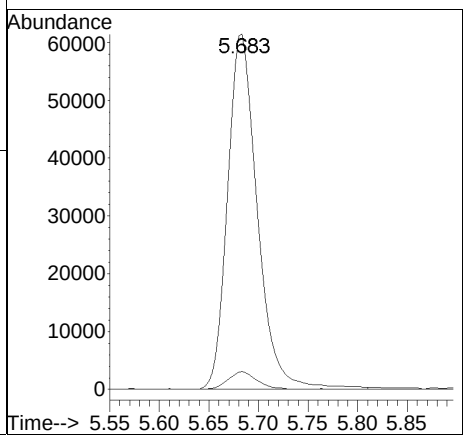


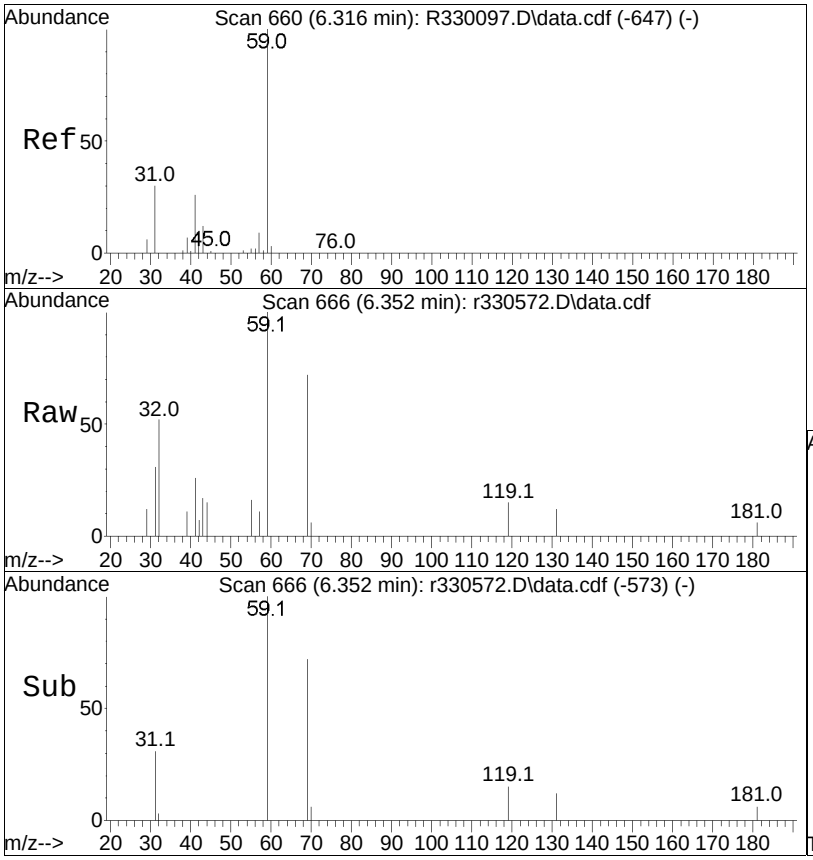


#22
isopropyl alcohol
Concen: 2.60 ppbV
RT: 5.683 min Scan# 482
Delta R.T. 0.020 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion: 45 Resp: 128835

Ion	Ratio	Lower	Upper
45	100		
59	5.0	3.0	4.4#

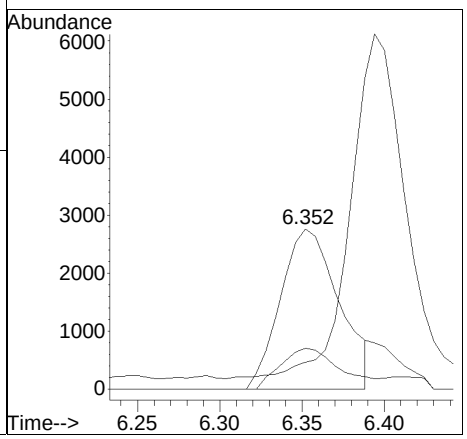


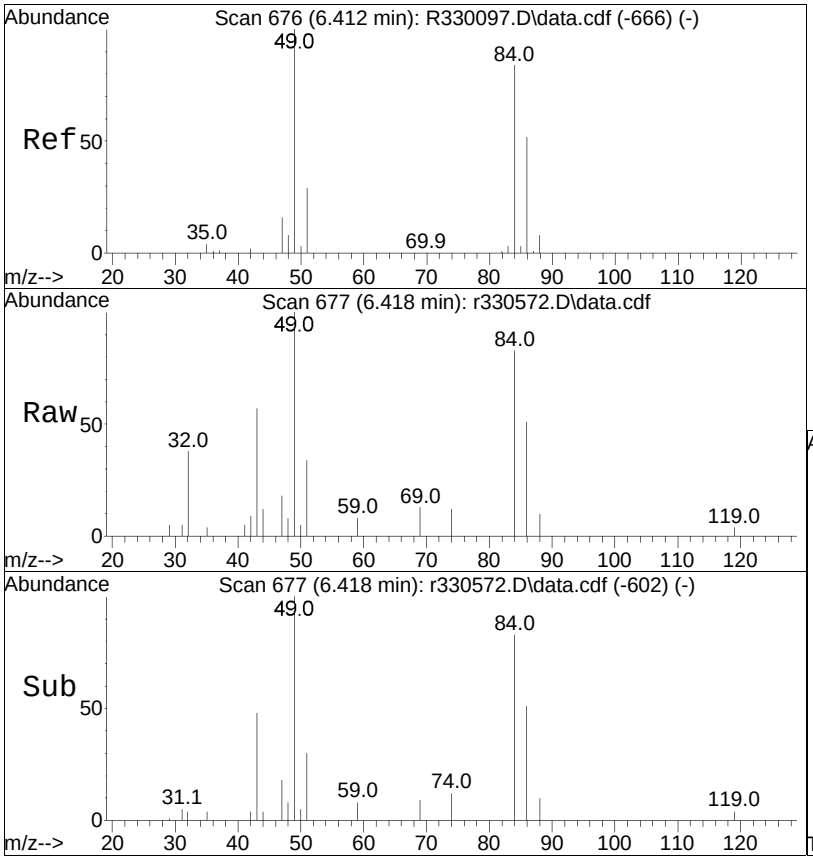


#27
tertiary butyl alcohol
Concen: 0.14 ppbV m
RT: 6.352 min Scan# 666
Delta R.T. 0.036 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion: 59 Resp: 6853

Ion	Ratio	Lower	Upper
59	100		
41	25.7	20.4	30.6
43	17.0	9.4	14.0#

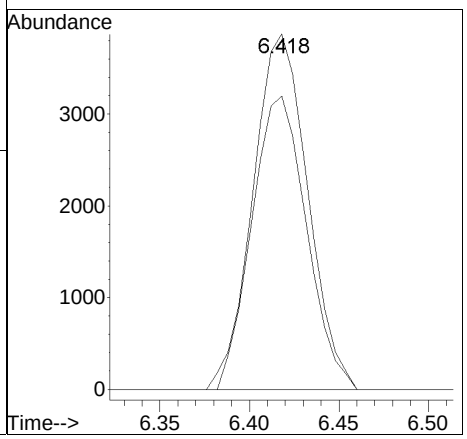


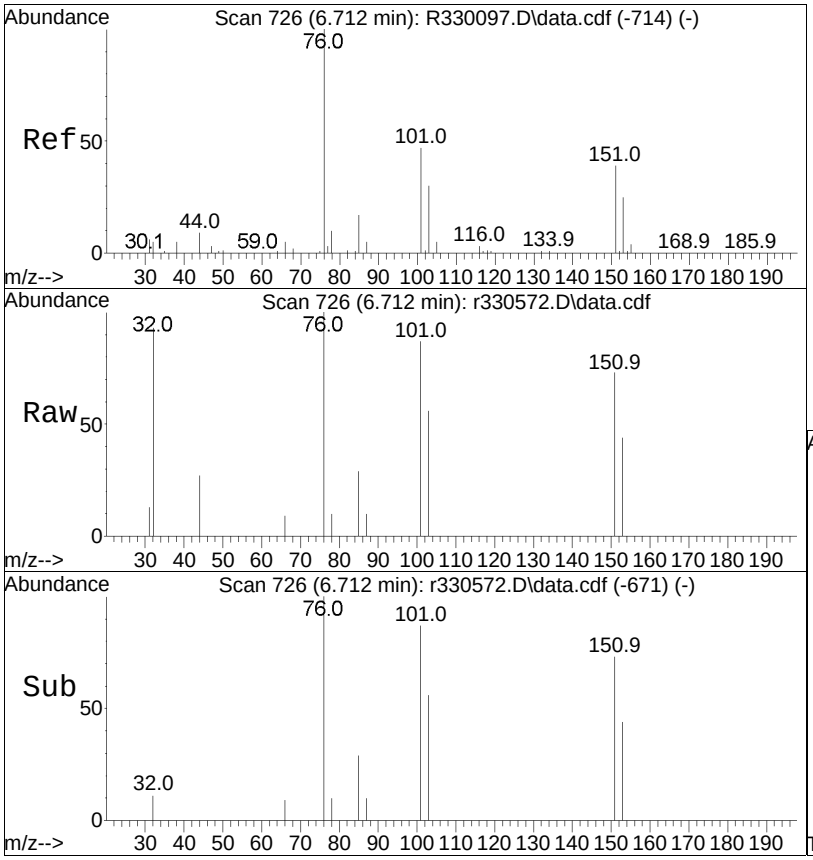


#28
methylene chloride
Concen: 0.30 ppbV
RT: 6.418 min Scan# 677
Delta R.T. 0.006 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion: 49 Resp: 8236

Ion	Ratio	Lower	Upper
49	100		
84	82.6	67.0	100.4

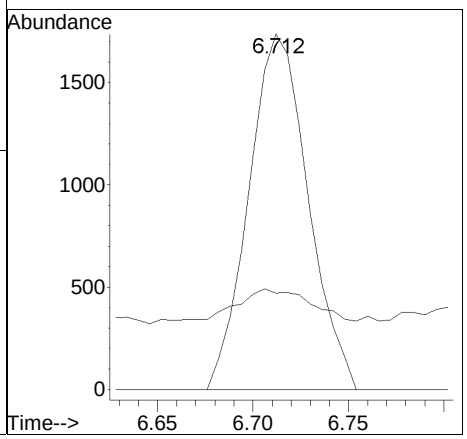


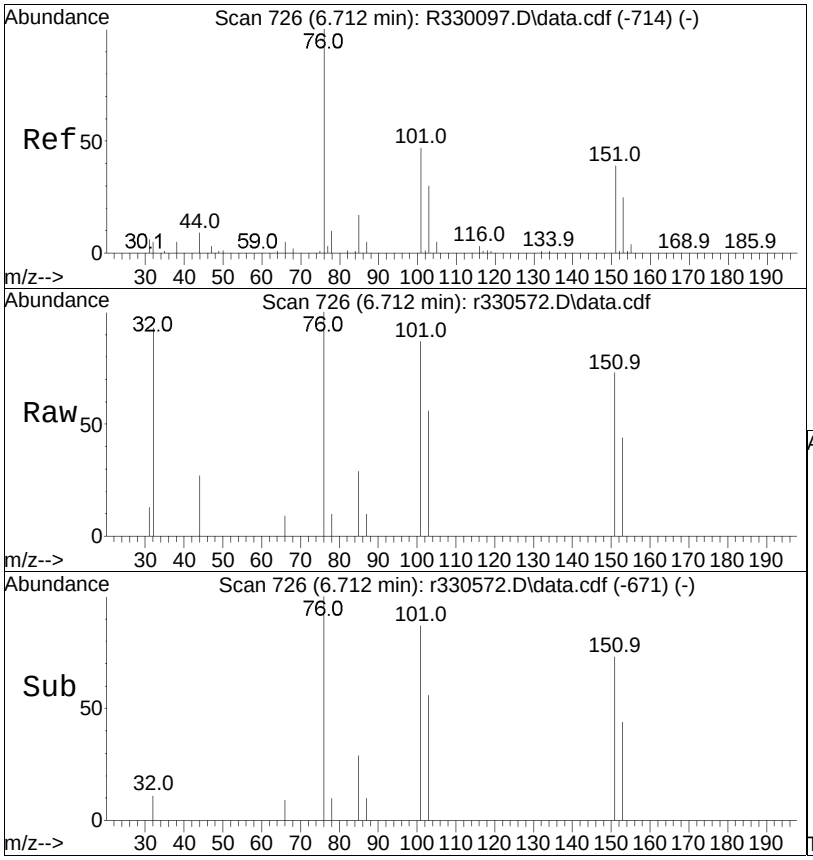


#30
carbon disulfide
Concen: 0.04 ppbV
RT: 6.712 min Scan# 726
Delta R.T. 0.000 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion: 76 Resp: 3744

Ion	Ratio	Lower	Upper
76	100		
44	27.1	7.1	10.7#

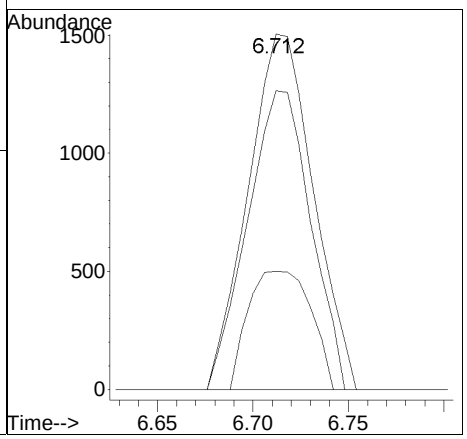


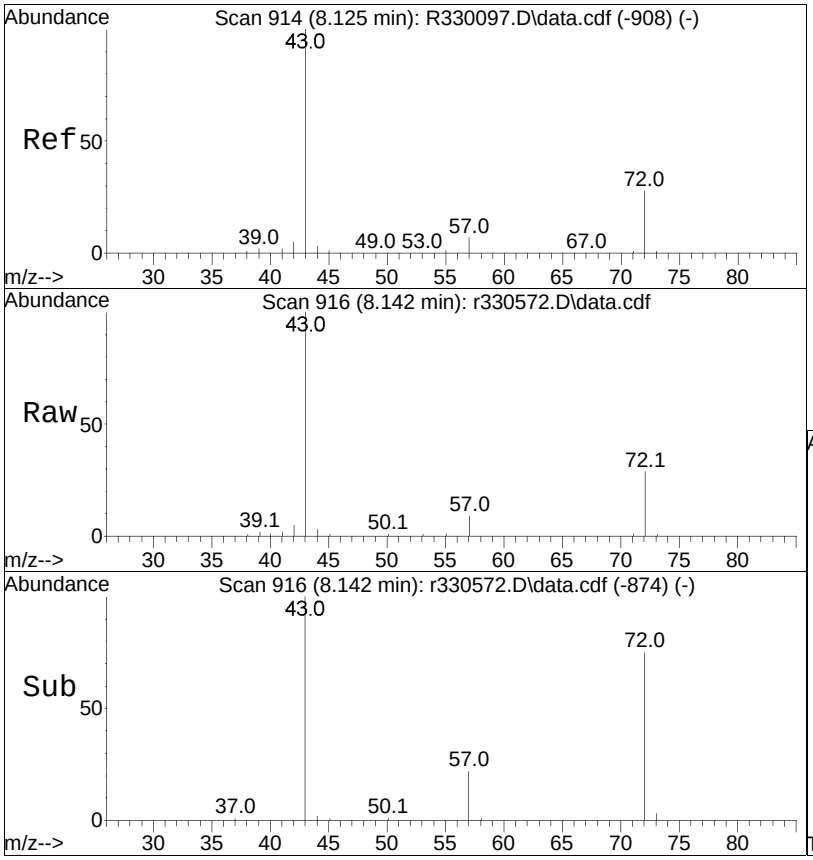


#31
Freon 113
Concen: 0.08 ppbV
RT: 6.712 min Scan# 726
Delta R.T. 0.000 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion:101 Resp: 3582

Ion	Ratio	Lower	Upper
101	100		
85	33.2	28.5	42.7
151	84.0	66.9	100.3

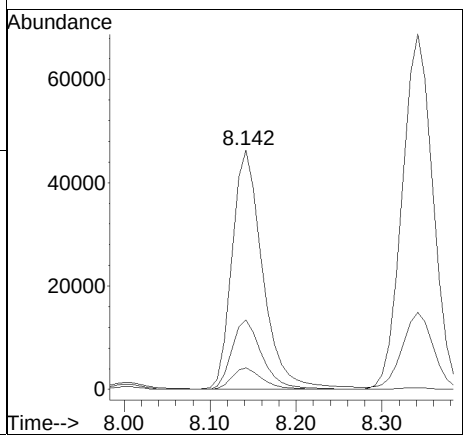


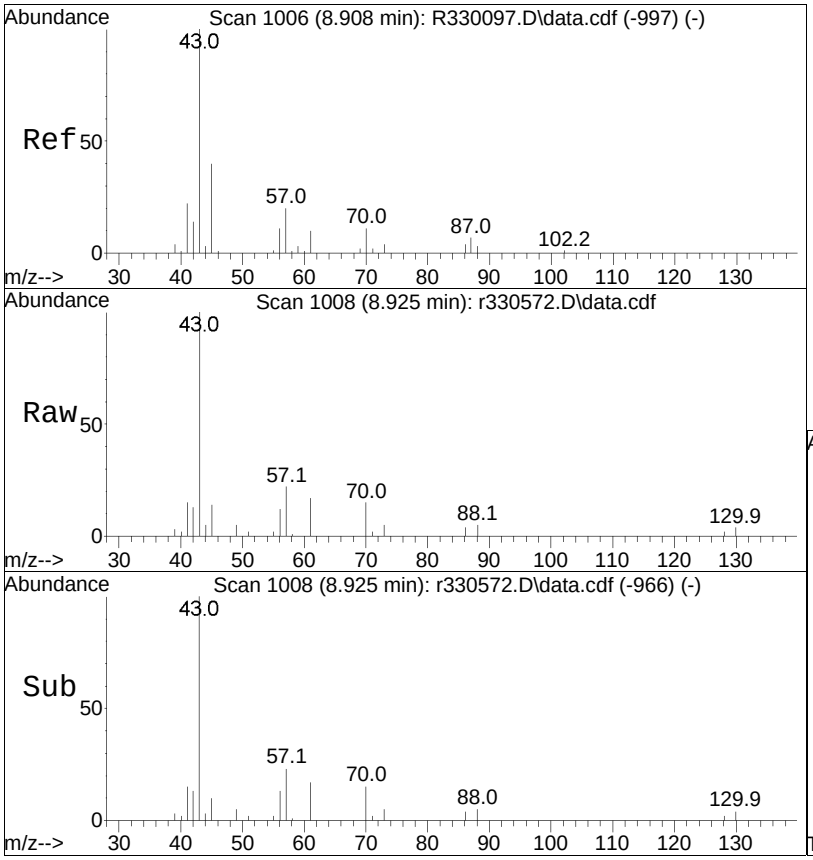


#36
2-butanone
Concen: 1.82 ppbV
RT: 8.142 min Scan# 916
Delta R.T. 0.017 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion: 43 Resp: 115581

Ion	Ratio	Lower	Upper
43	100		
72	29.1	22.1	33.1
57	9.0	5.3	7.9#

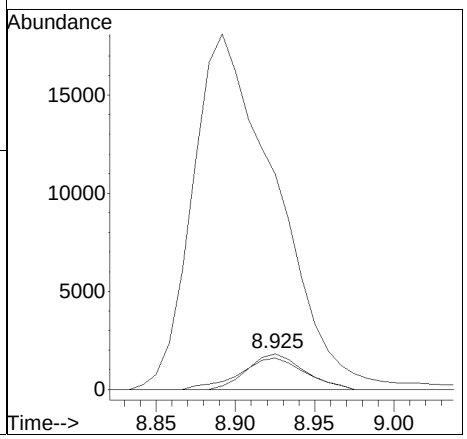


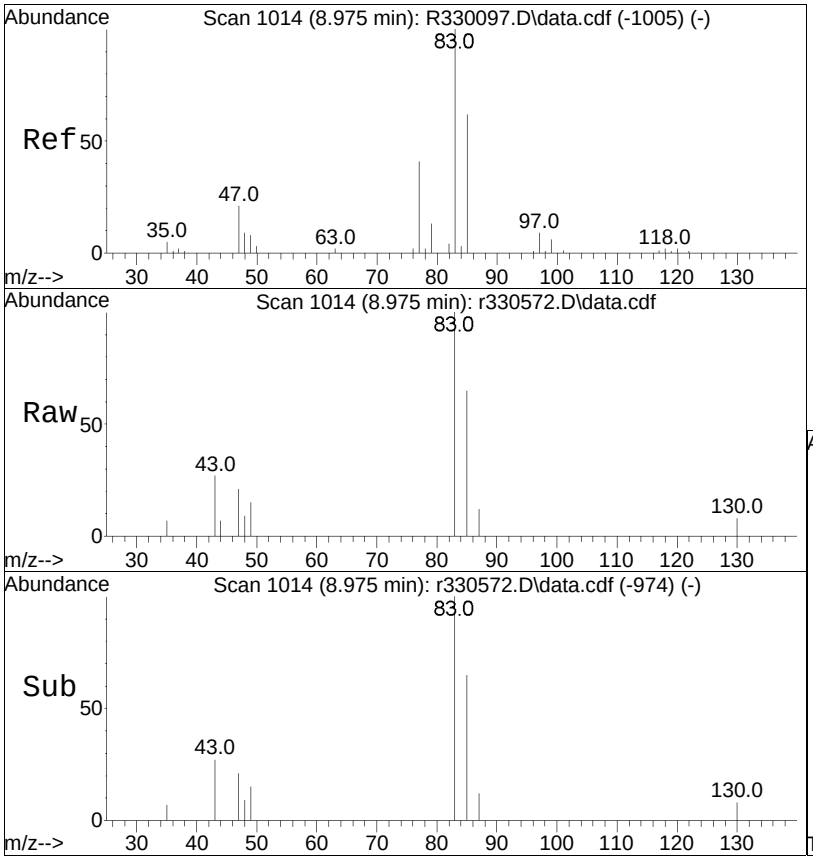


#38
Ethyl Acetate
Concen: 0.47 ppbV
RT: 8.925 min Scan# 1008
Delta R.T. 0.017 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion: 61 Resp: 4487

Ion	Ratio	Lower	Upper
61	100		
70	88.4	87.4	131.0
43	605.9	771.8	1157.6#

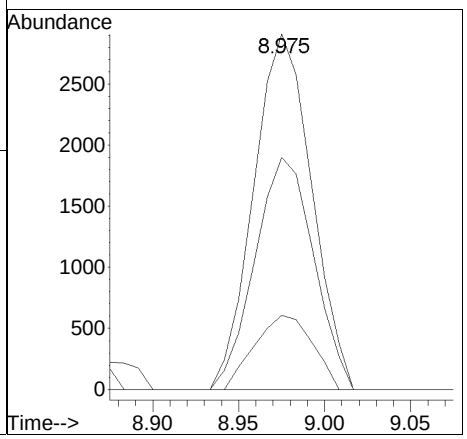


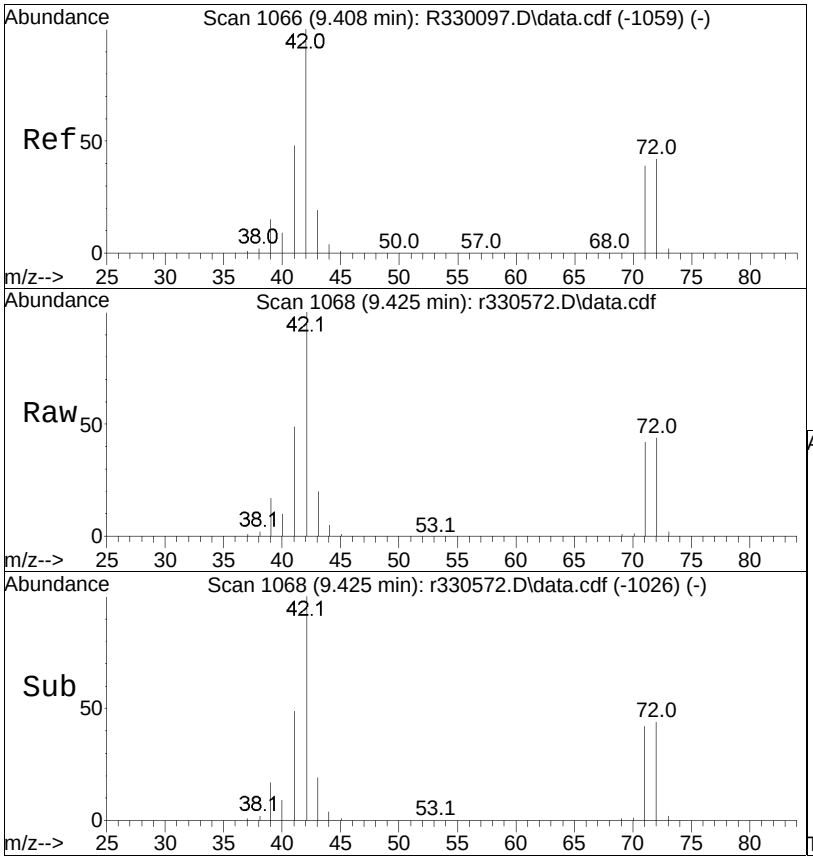


#39
chloroform
Concen: 0.16 ppbV
RT: 8.975 min Scan# 1014
Delta R.T. 0.000 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion: 83 Resp: 6828

Ion	Ratio	Lower	Upper
83	100		
85	65.3	49.8	74.8
47	20.9	16.8	25.2

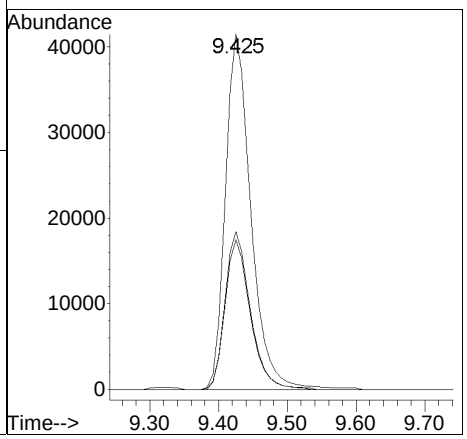


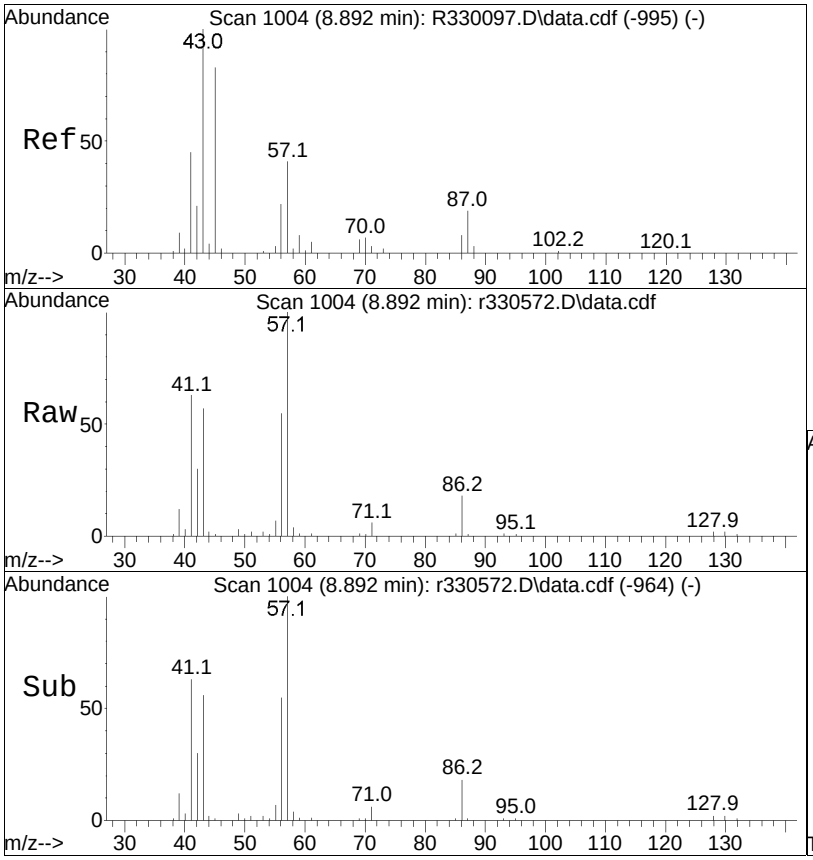


#40
Tetrahydrofuran
Concen: 2.61 ppbV
RT: 9.425 min Scan# 1068
Delta R.T. 0.017 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion: 42 Resp: 107214

Ion	Ratio	Lower	Upper
42	100		
71	42.1	31.0	46.4
72	44.4	33.4	50.2

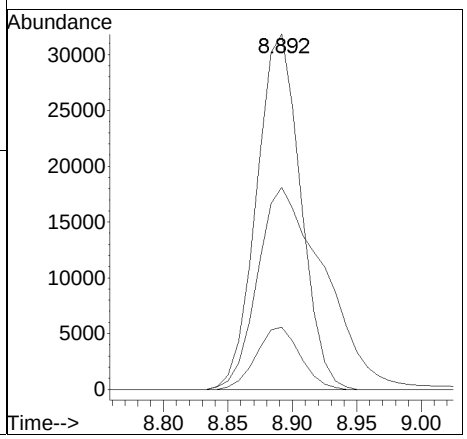


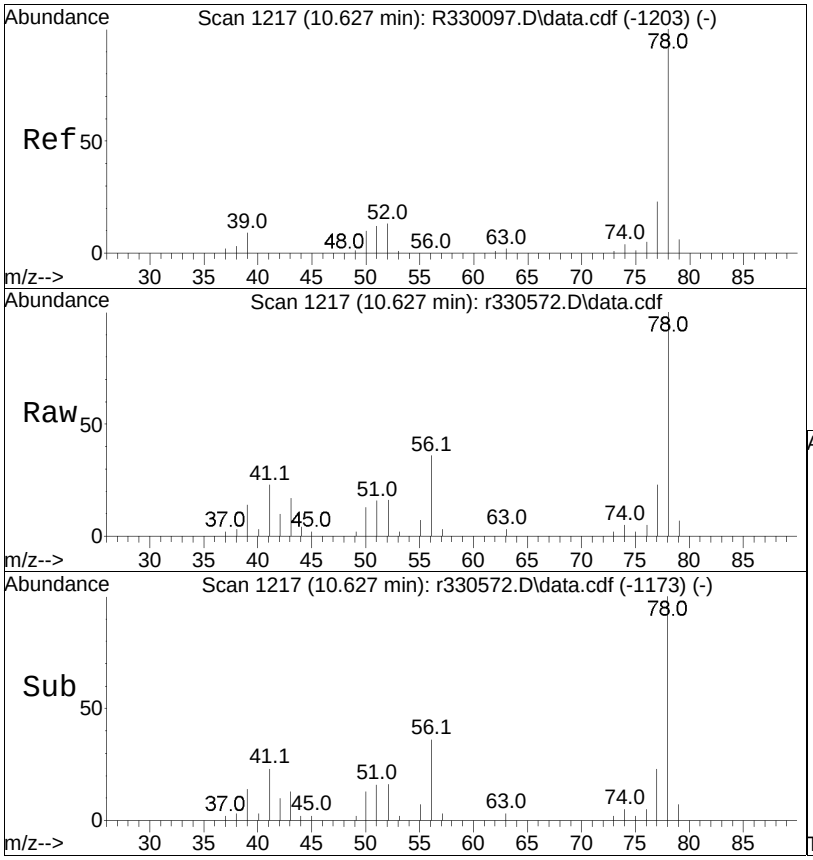


#44
hexane
Concen: 1.80 ppbV
RT: 8.892 min Scan# 1004
Delta R.T. 0.000 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion: 57 Resp: 75566

Ion	Ratio	Lower	Upper
57	100		
43	56.9	196.5	294.7#
86	17.5	15.8	23.6

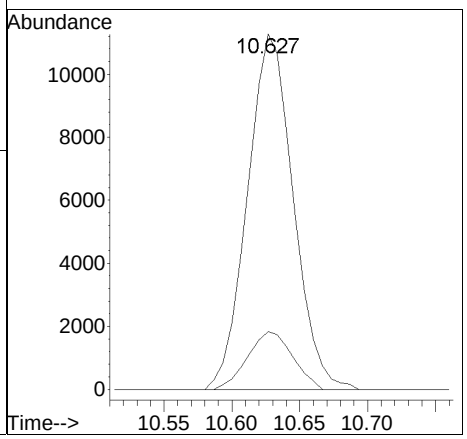


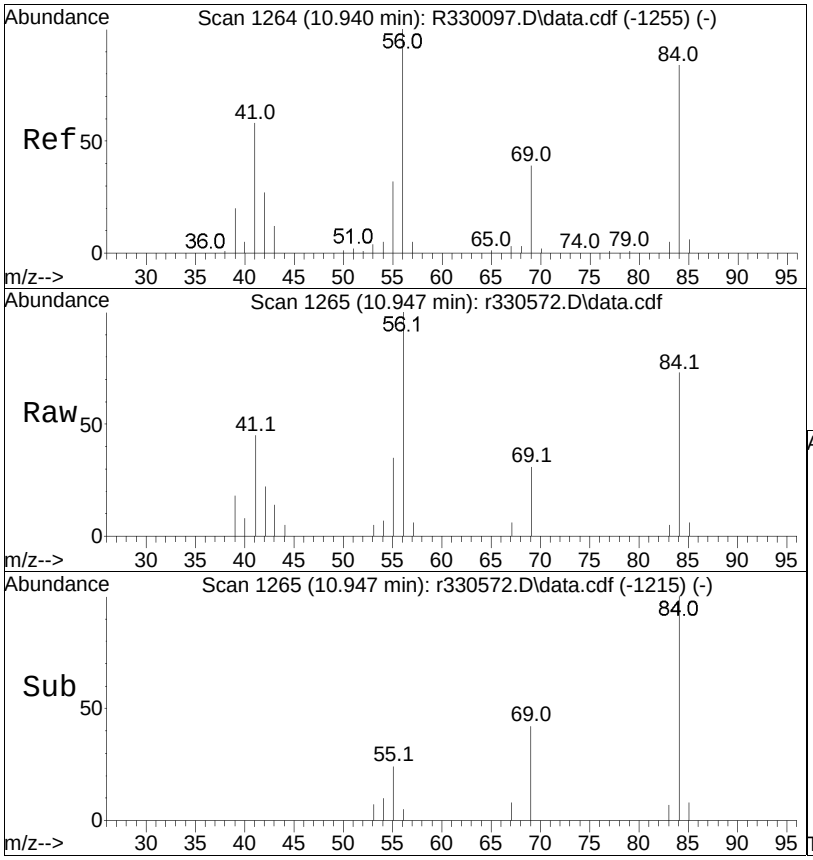


#50
benzene
Concen: 0.28 ppbV
RT: 10.627 min Scan# 1217
Delta R.T. 0.000 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion: 78 Resp: 26428

Ion	Ratio	Lower	Upper
78	100		
52	16.3	10.4	15.6#

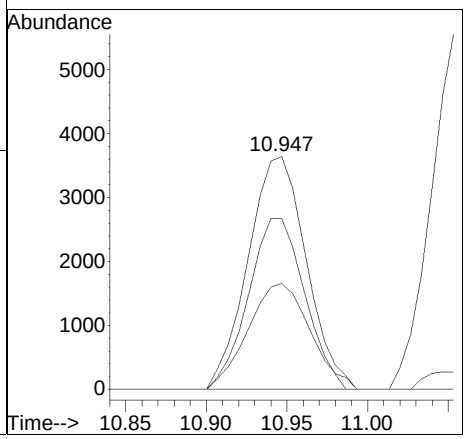


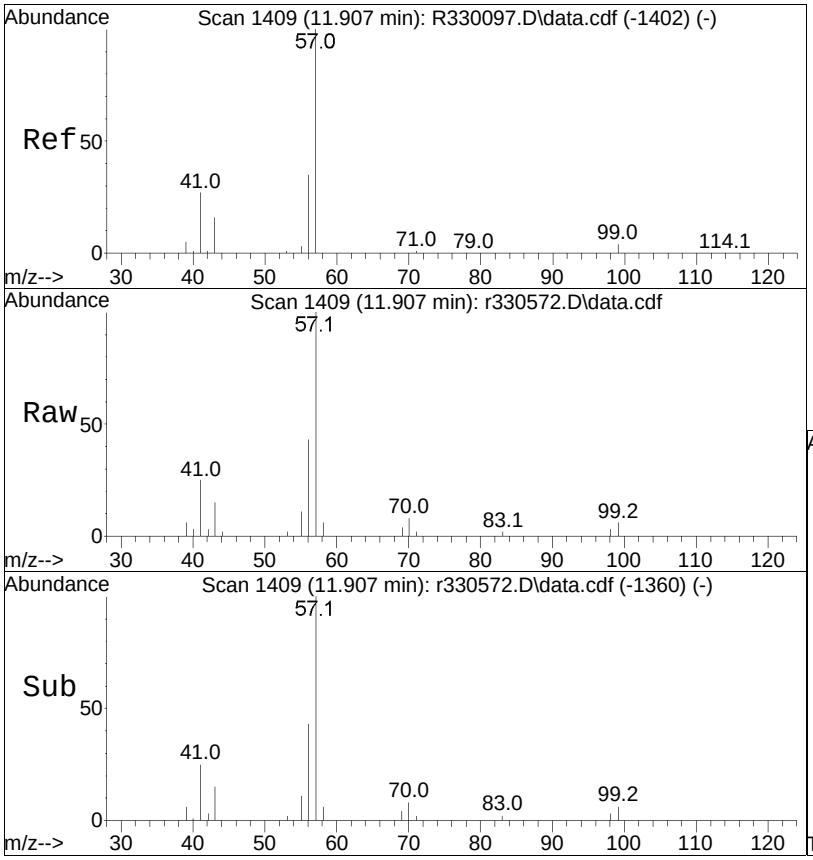


#53
cyclohexane
Concen: 0.21 ppbV
RT: 10.947 min Scan# 1265
Delta R.T. 0.007 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion: 56 Resp: 9148

Ion	Ratio	Lower	Upper
56	100		
84	73.4	67.4	101.2
41	45.5	46.4	69.6#

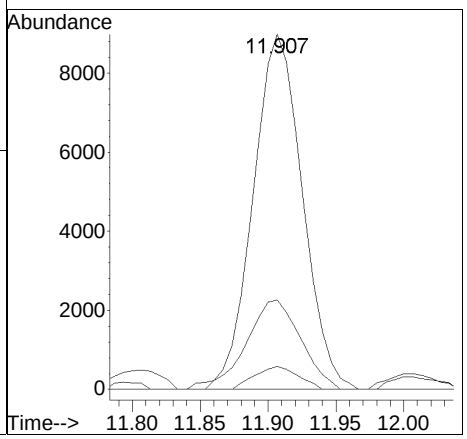


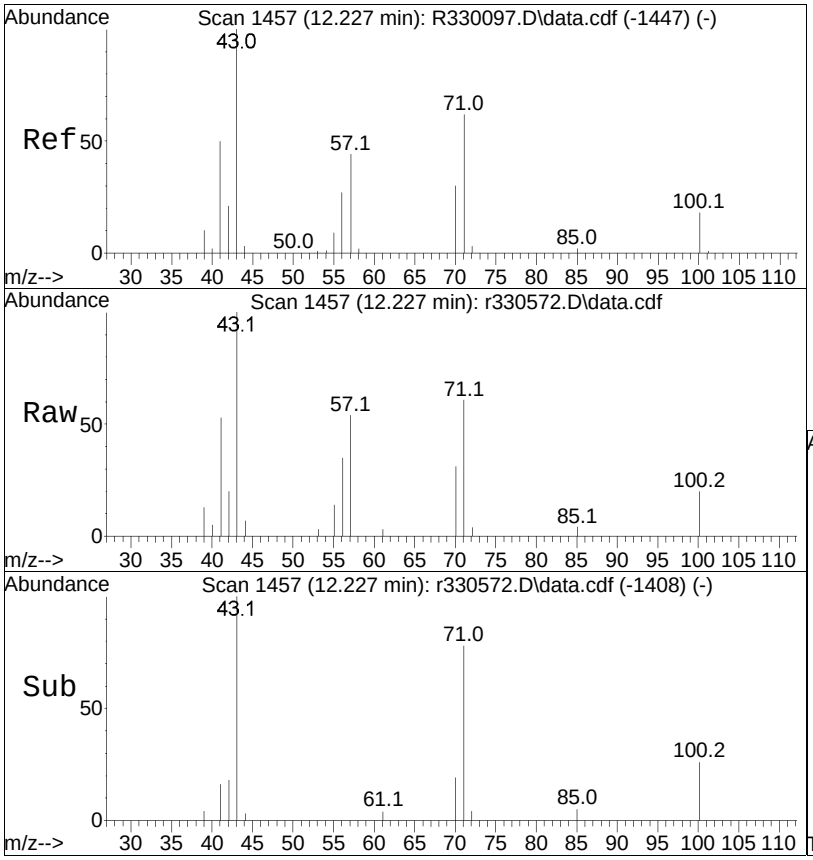


#60
2,2,4-trimethylpentane
Concen: 0.17 ppbV
RT: 11.907 min Scan# 1409
Delta R.T. 0.000 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion: 57 Resp: 22686

Ion	Ratio	Lower	Upper
57	100		
99	6.5	5.3	7.9
41	25.2	21.4	32.0

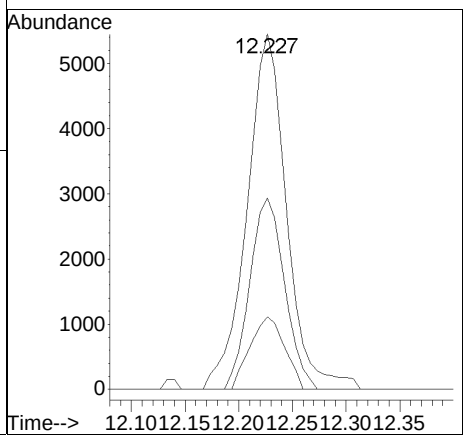


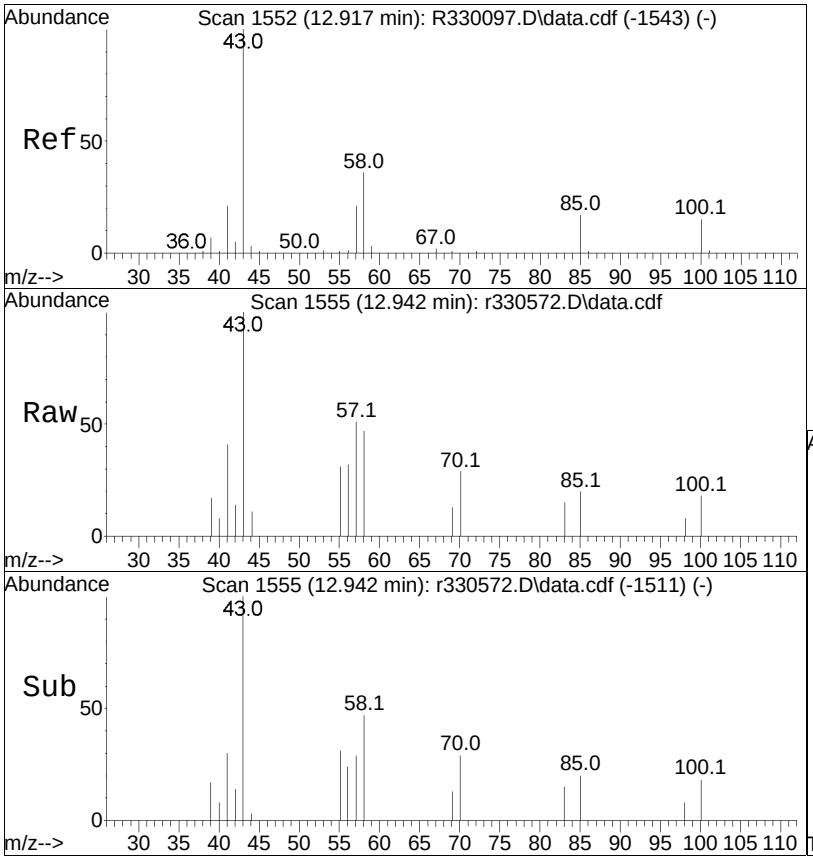


#62
heptane
Concen: 0.23 ppbV
RT: 12.227 min Scan# 1457
Delta R.T. 0.000 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion: 43 Resp: 13979

Ion	Ratio	Lower	Upper
43	100		
57	53.8	34.9	52.3#
100	20.4	14.9	22.3

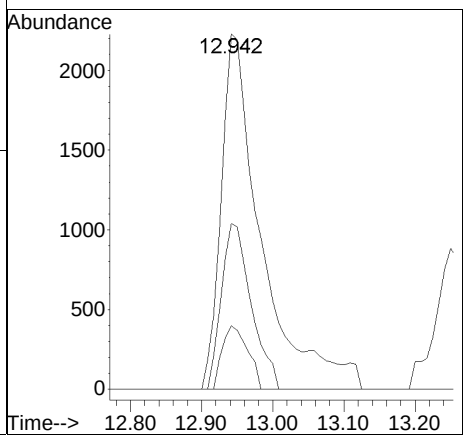


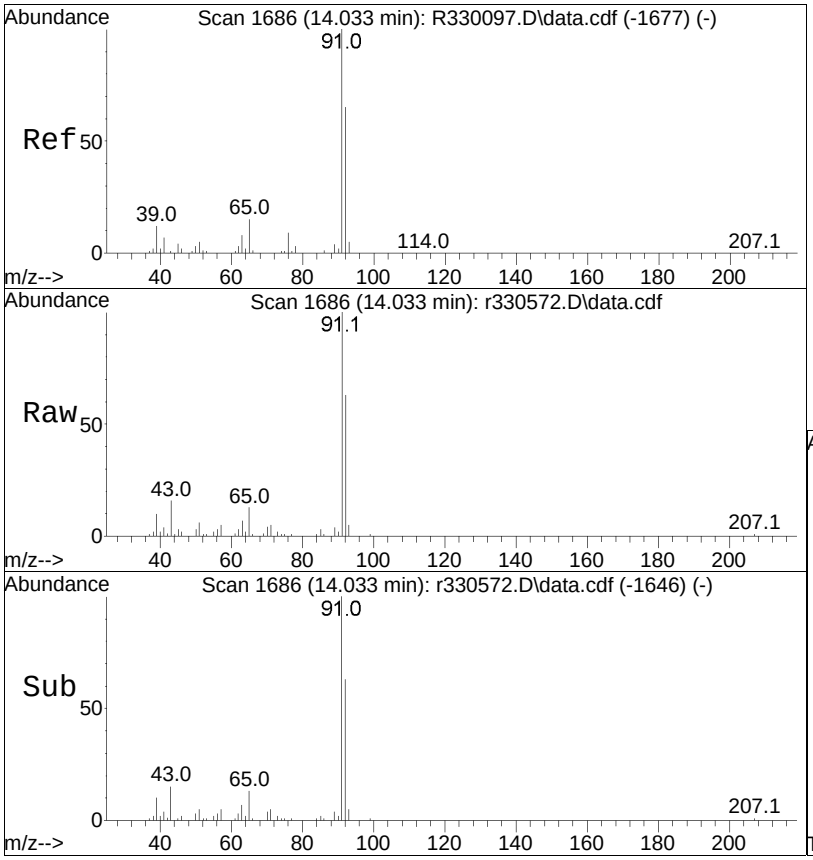


#64
4-methyl-2-pentanone
Concen: 0.12 ppbV
RT: 12.942 min Scan# 1555
Delta R.T. 0.025 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion: 43 Resp: 8769

Ion	Ratio	Lower	Upper
43	100		
58	46.7	29.1	43.7#
100	17.9	12.2	18.4

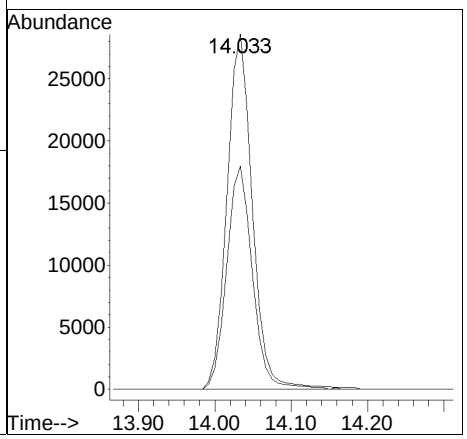


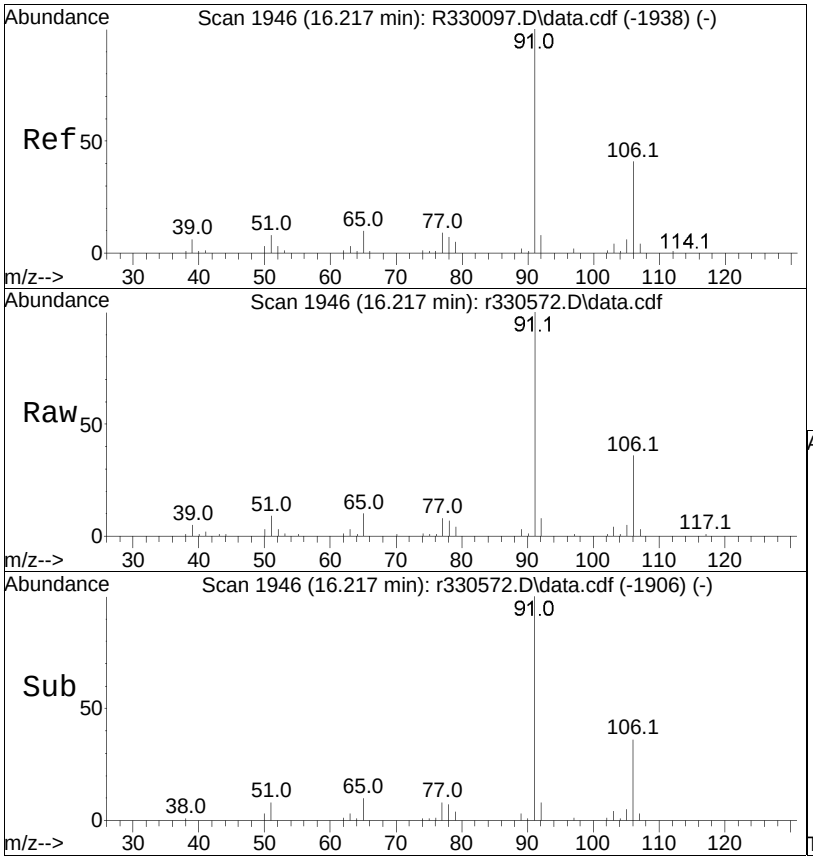


#68
toluene
Concen: 0.55 ppbV
RT: 14.033 min Scan# 1686
Delta R.T. 0.000 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion: 91 Resp: 66417

Ion	Ratio	Lower	Upper
91	100		
92	62.8	52.1	78.1

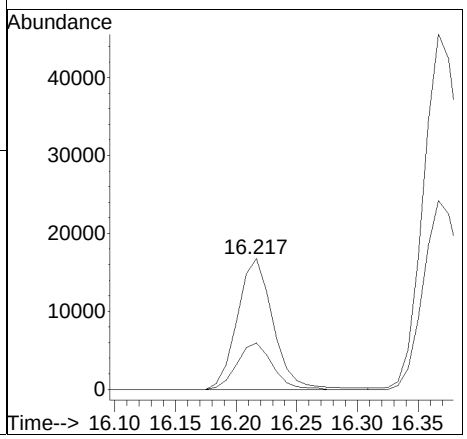


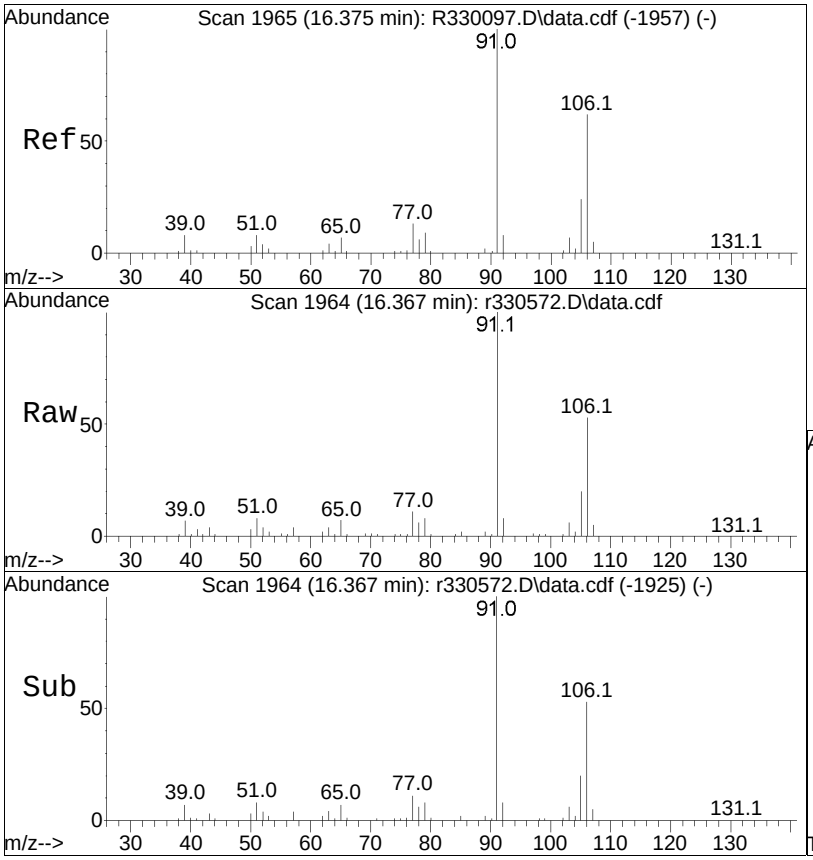


#81
ethylbenzene
Concen: 0.23 ppbV
RT: 16.217 min Scan# 1946
Delta R.T. -0.000 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion: 91 Resp: 34499

Ion	Ratio	Lower	Upper
91	100		
106	35.5	32.6	49.0

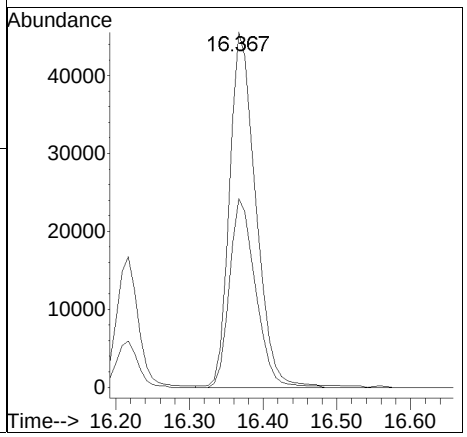


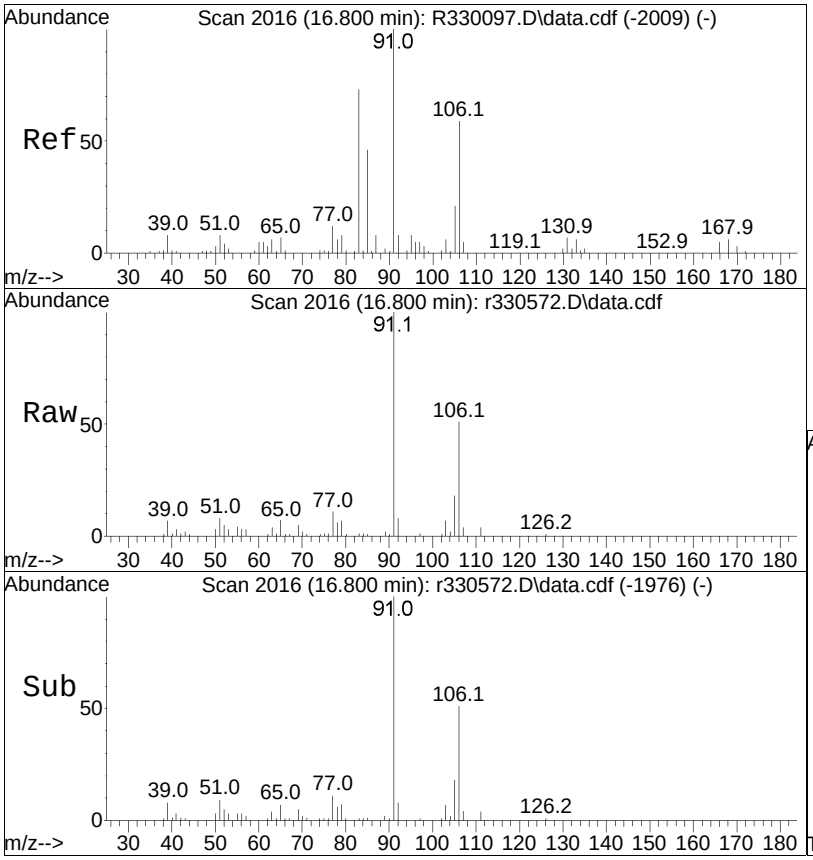


#83
m+p-xylene
Concen: 0.93 ppbV
RT: 16.367 min Scan# 1964
Delta R.T. -0.008 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion: 91 Resp: 113192

Ion	Ratio	Lower	Upper
91	100		
106	53.1	49.2	73.8

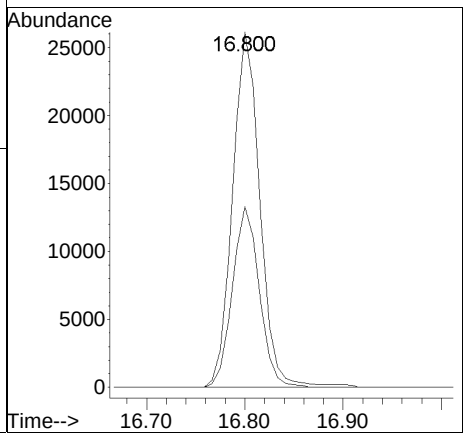


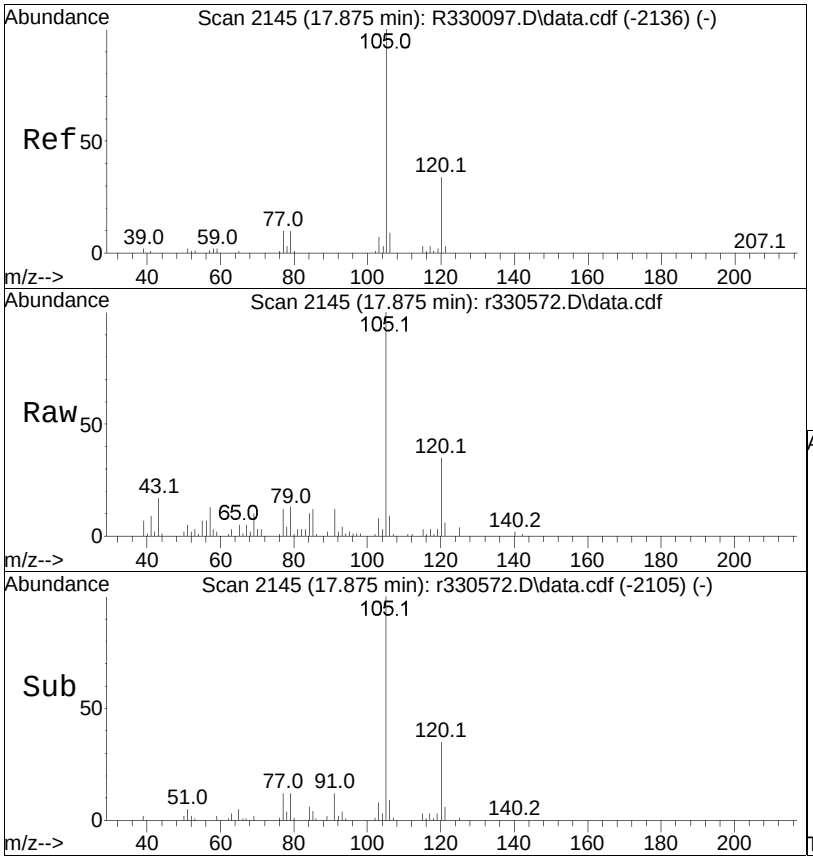


#87
o-xylene
Concen: 0.42 ppbV
RT: 16.800 min Scan# 2016
Delta R.T. 0.000 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion: 91 Resp: 50598

Ion	Ratio	Lower	Upper
91	100		
106	50.9	47.5	71.3

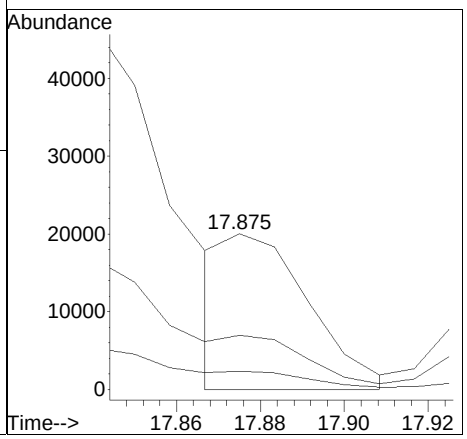


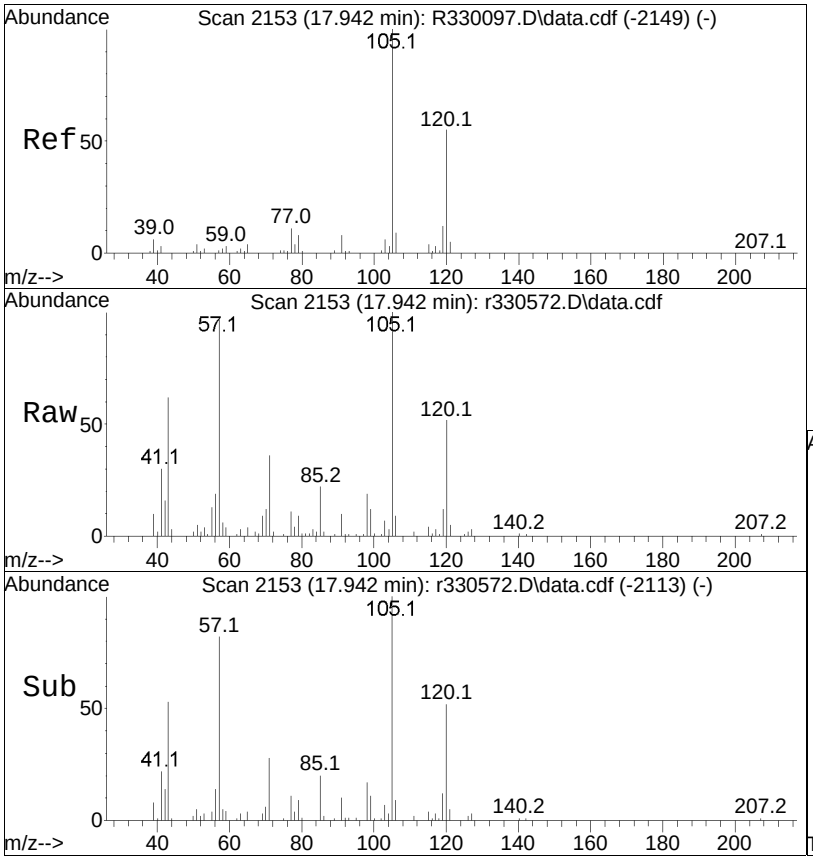


#96
4-ethyl toluene
Concen: 0.16 ppbV m
RT: 17.875 min Scan# 2145
Delta R.T. 0.000 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion:105 Resp: 27891

Ion	Ratio	Lower	Upper
105	100		
120	34.8	27.2	40.8
91	11.8	7.1	10.7#

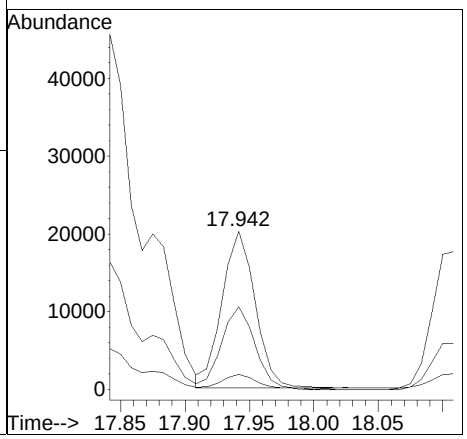


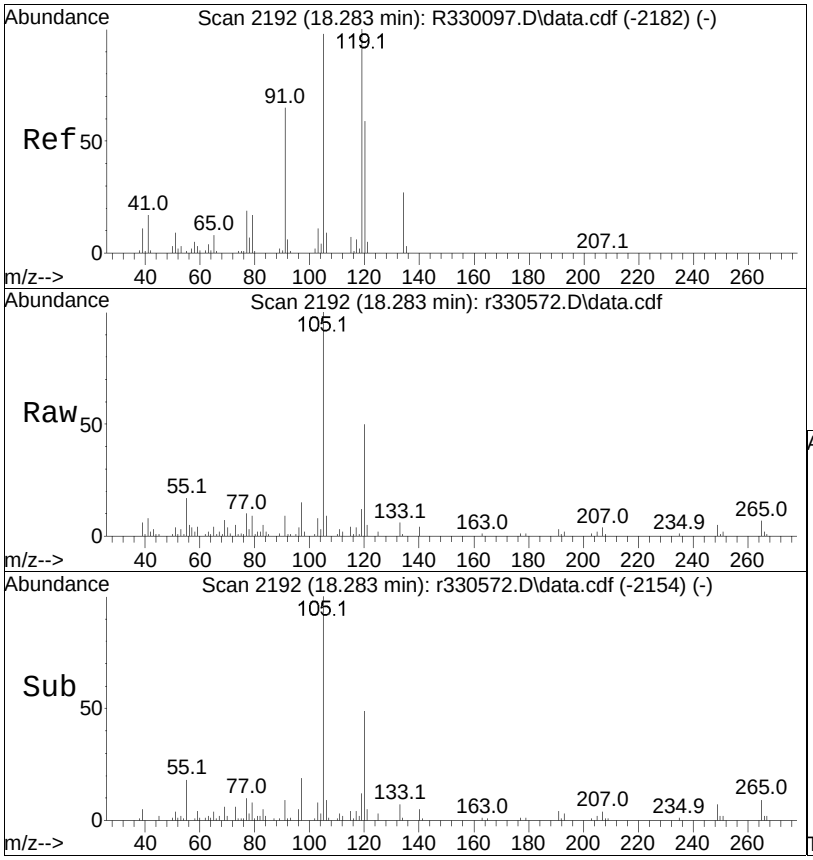


#97
1,3,5-trimethylbenzene
Concen: 0.23 ppbV
RT: 17.942 min Scan# 2153
Delta R.T. 0.000 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion:105 Resp: 36158

Ion	Ratio	Lower	Upper
105	100		
120	52.2	43.1	64.7
91	9.5	6.8	10.2

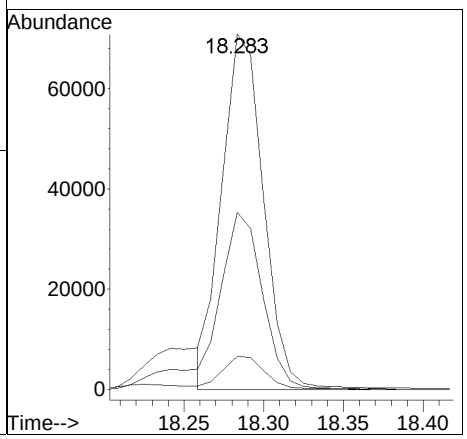


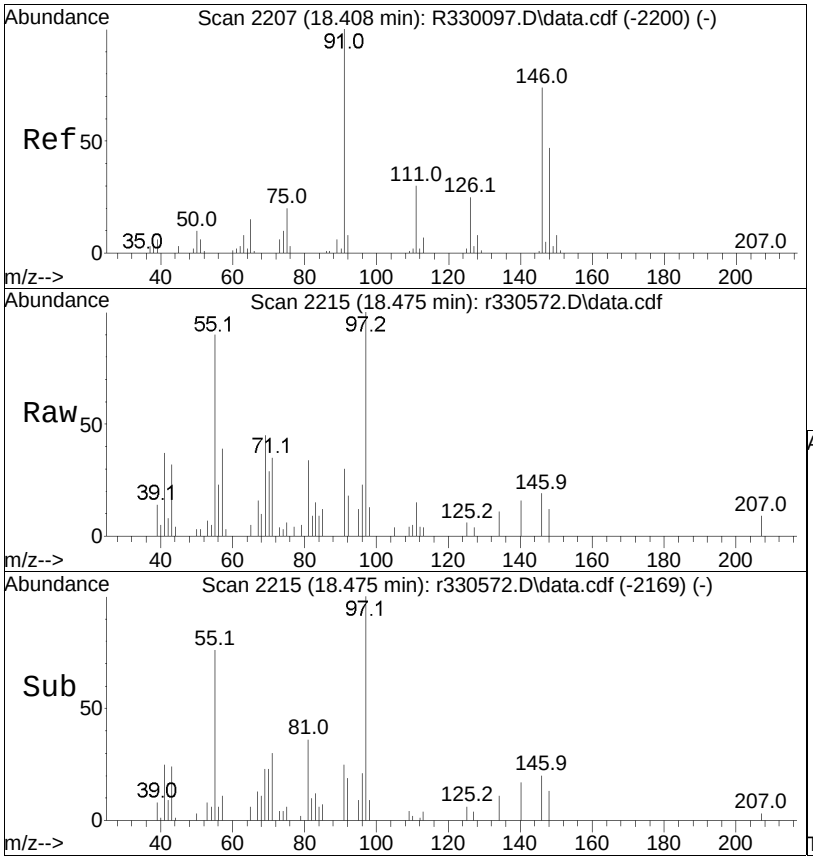


#99
1,2,4-trimethylbenzene
Concen: 0.87 ppbV m
RT: 18.283 min Scan# 2192
Delta R.T. 0.000 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion:105 Resp: 129302

Ion	Ratio	Lower	Upper
105	100		
120	49.8	47.8	71.8
91	9.3	53.4	80.0#

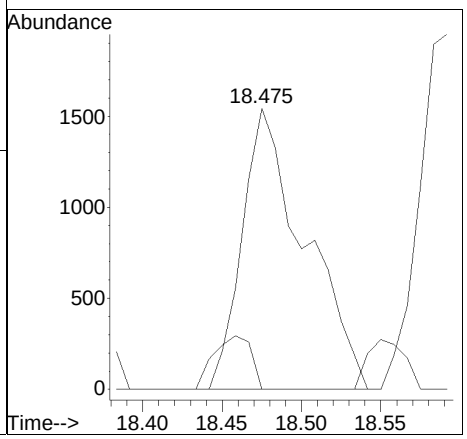


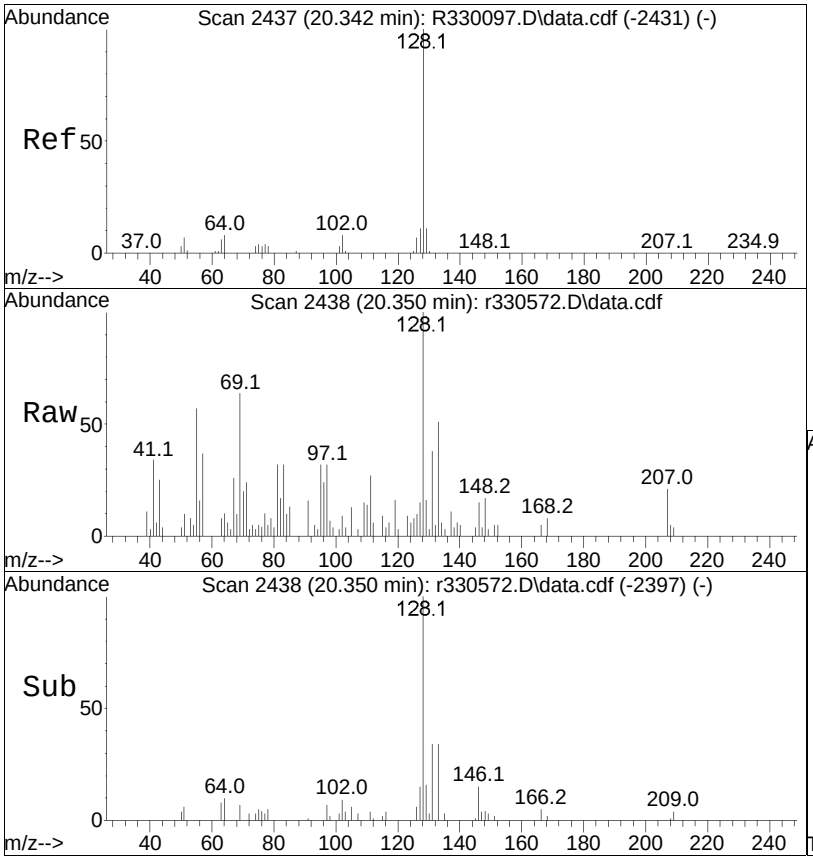


#101
Benzyl Chloride
Concen: 0.05 ppbV
RT: 18.475 min Scan# 2215
Delta R.T. 0.067 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion: 91 Resp: 4248

Ion	Ratio	Lower	Upper
91	100		
126	0.0	20.1	30.1#

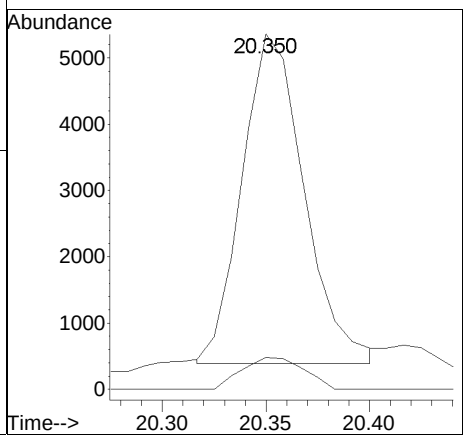




#116
naphthalene
Concen: 0.05 ppbV m
RT: 20.350 min Scan# 2438
Delta R.T. 0.008 min
Lab File: r330572.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion:128 Resp: 10371

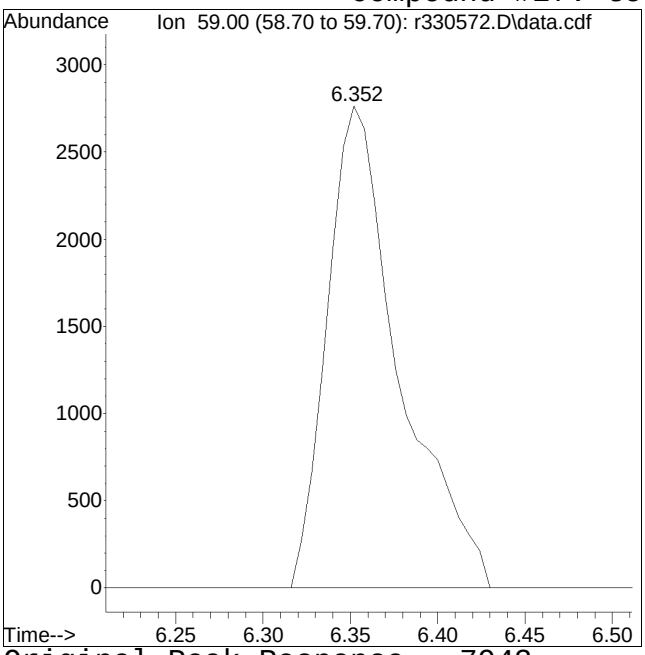
Ion	Ratio	Lower	Upper
128	100		
102	9.0	6.3	9.5



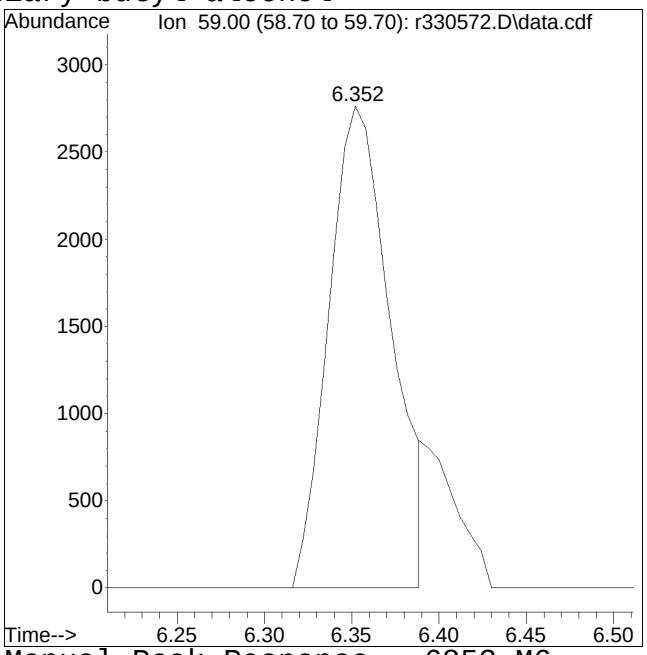
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TFS3_240401.M
Data File : r330572.D Operator : AIRPIANO3:JMB
Date Inj'd : 4/23/2020 0:1: 0 Instrument :
Sample : WG1912266-5,3,250,250 Quant Date : 4/24/2024 7:11 am

Compound #27: tertiary butyl alcohol



Original Peak Response = 7943



Manual Peak Response = 6853 M6

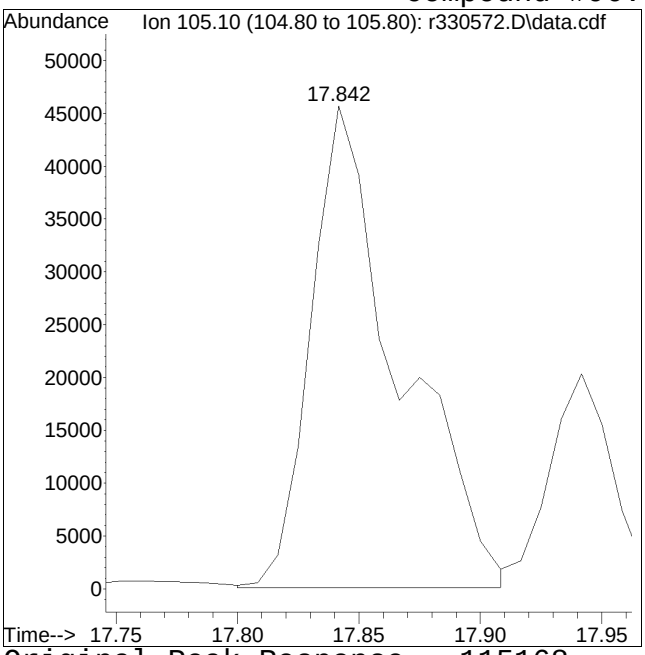
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

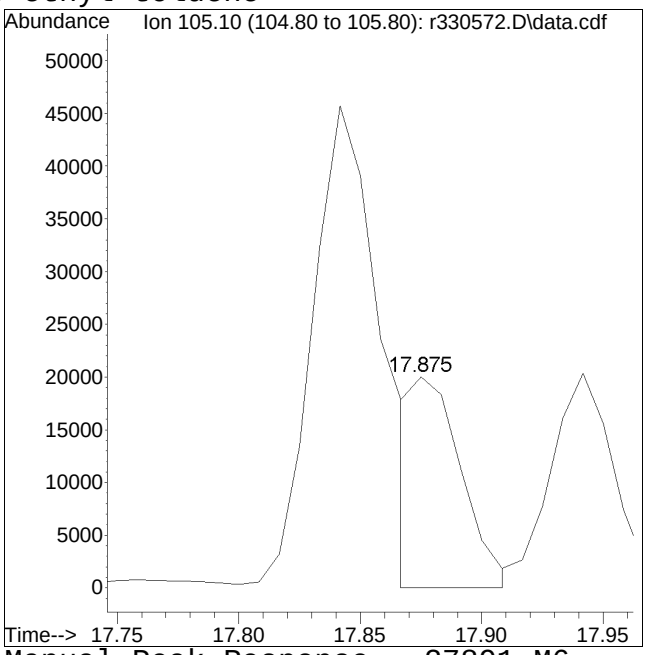
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330572.D
Date Inj'd : 4/23/2020 0:1: 0
Sample : WG1912266-5,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:11 am

Compound #96: 4-ethyl toluene



Original Peak Response = 115168



Manual Peak Response = 27891 M6

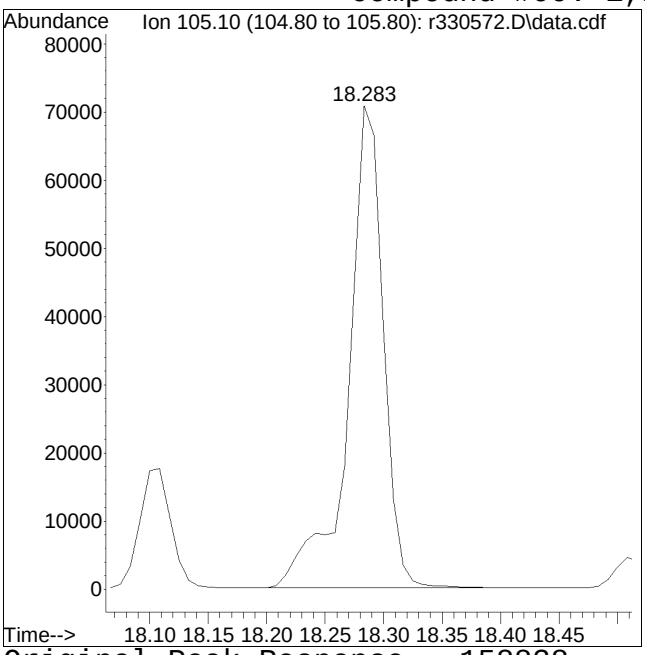
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

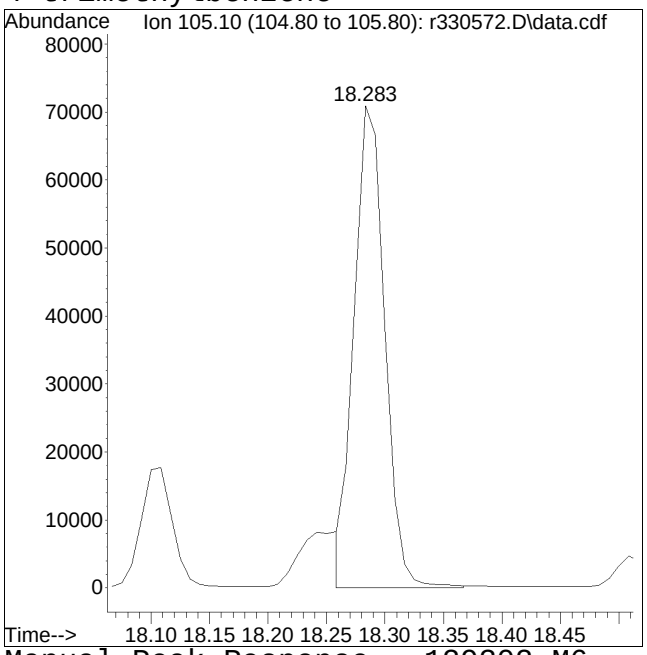
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330572.D
Date Inj'd : 4/23/2020 0:1: 0
Sample : WG1912266-5,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:11 am

Compound #99: 1,2,4-trimethylbenzene



Original Peak Response = 158838



Manual Peak Response = 129302 M6

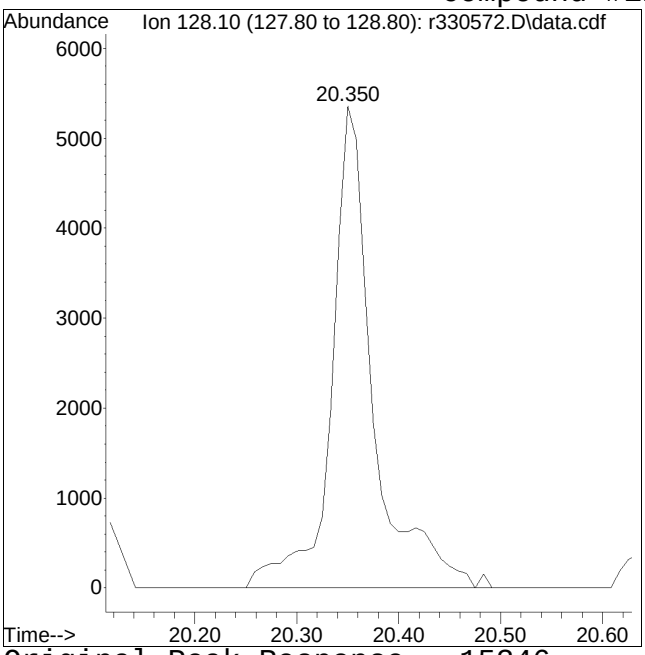
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

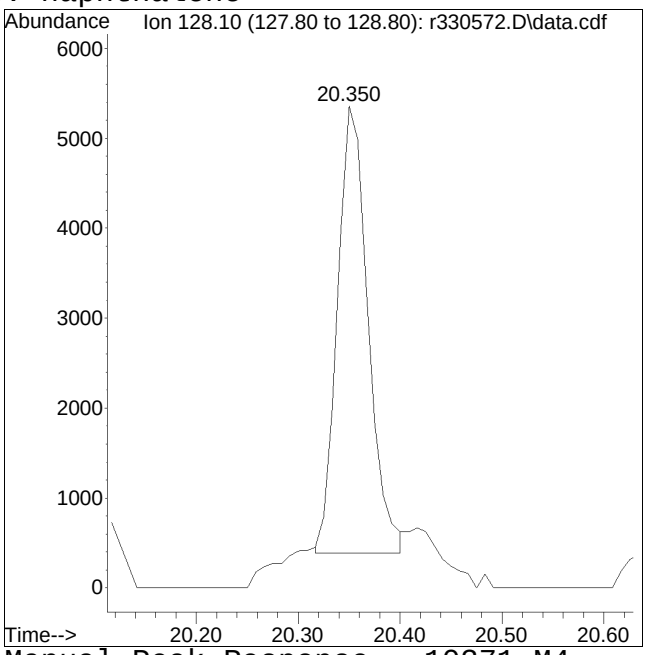
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330572.D
Date Inj'd : 4/23/2020 0:1: 0
Sample : WG1912266-5,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:11 am

Compound #116: naphthalene



Original Peak Response = 15346



Manual Peak Response = 10371 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330600.D
Acq On : 25 Apr 2024 1:13 AM
Operator : AIRPIANO3:KJD
Sample : WG1912849-5,3,250,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:32:24 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : TO15_STD+Naph - .

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	8.800	49	356721	10.000	ppbV		-0.02
Standard Area = 349686			Recovery = 102.01%				
43) 1,4-difluorobenzene	11.033	114	1259766	10.000	ppbV		-0.02
Standard Area = 1160525			Recovery = 108.55%				
67) chlorobenzene-D5	15.800	54	173126	10.000	ppbV		-0.02
Standard Area = 168249			Recovery = 102.90%				
System Monitoring Compounds							
Target Compounds							Qvalue
3) propylene	3.720	41	17470M6	0.733	ppbV		
5) dichlorodifluoromethane	3.786	85	15299	0.393	ppbV		97
6) chloromethane	3.942	50	2638	0.136	ppbV		97
7) Freon-114	4.044		0	N.D.			
9) vinyl chloride	0.000		0	N.D.			
10) 1,3-butadiene	4.296		0	N.D.			
13) bromomethane	0.000		0	N.D.			
14) chloroethane	0.000		0	N.D.			
15) ethanol	4.872	31	1444611	118.391	ppbV		85
17) vinyl bromide	0.000		0	N.D.			
19) acetone	5.370	43	5956597	153.427	ppbV	#	76
21) trichlorofluoromethane	5.567	101	9227	0.233	ppbV		99
22) isopropyl alcohol	5.650	45	2348376	45.375	ppbV	#	96
26) 1,1-dichloroethene	0.000		0	N.D.	d		
28) methylene chloride	6.400	49	2540	0.089	ppbV		98
29) 3-chloropropene	0.000		0	N.D.	d		
30) carbon disulfide	6.694	76	8757	0.099	ppbV	#	75
31) Freon 113	6.694	101	4049	0.087	ppbV		94
32) trans-1,2-dichloroethene	0.000		0	N.D.			
33) 1,1-dichloroethane	0.000		0	N.D.	d		
34) MTBE	0.000		0	N.D.	d		
35) vinyl acetate	0.000		0	N.D.	d		
36) 2-butanone	8.108	43	369495	5.565	ppbV	#	93
37) cis-1,2-dichloroethene	0.000		0	N.D.			
38) Ethyl Acetate	0.000		0	N.D.	d		
39) chloroform	8.958		0	N.D.			
40) Tetrahydrofuran	0.000		0	N.D.	d		
42) 1,2-dichloroethane	0.000		0	N.D.			
44) hexane	8.867	57	52865	1.119	ppbV	#	1

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330600.D
Acq On : 25 Apr 2024 1:13 AM
Operator : AIRPIANO3:KJD
Sample : WG1912849-5,3,250,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:32:24 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0424T\r330584.D
Sub List : TO15_STD+Naph - .

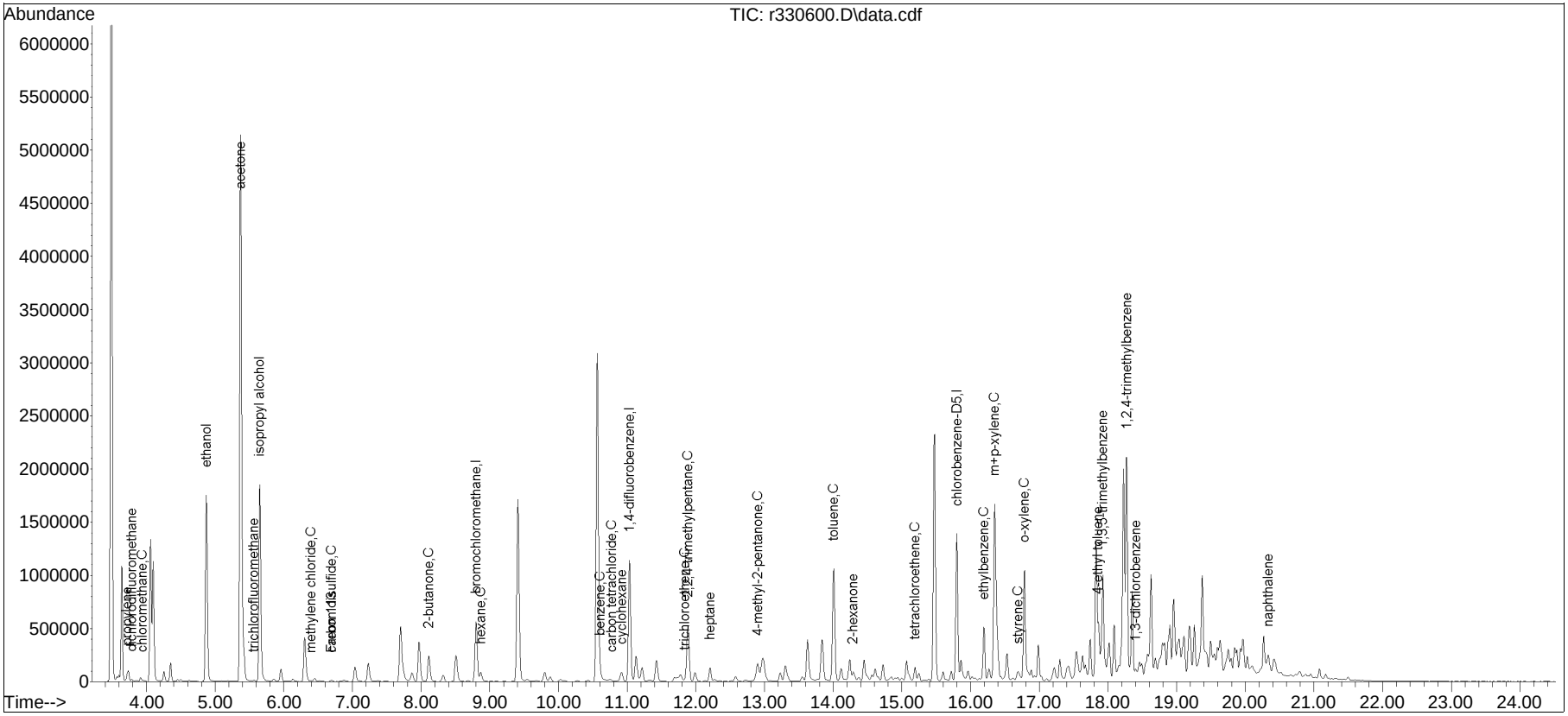
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,1-trichloroethane	0.000		0	N.D.	d	
50) benzene	10.607	78	41090	0.384	ppbV	94
52) carbon tetrachloride	10.773	117	1188	0.034	ppbV #	91
53) cyclohexane	10.920	56	54244	1.081	ppbV #	84
56) 1,2-dichloropropane	0.000		0	N.D.		
57) bromodichloromethane	0.000		0	N.D.	d	
58) 1,4-dioxane	0.000		0	N.D.	d	
59) trichloroethene	11.840	130	1578	0.042	ppbV	94
60) 2,2,4-trimethylpentane	11.887	57	646042	4.224	ppbV	92
62) heptane	12.207	43	62699	0.915	ppbV #	83
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.900	43	143640	1.777	ppbV #	86
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.	d	
68) toluene	14.008	91	782783	6.348	ppbV	100
72) 2-hexanone	14.292	43	52275M6	0.631	ppbV	
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
78) tetrachloroethene	15.192	166	49300	0.889	ppbV	97
80) chlorobenzene	0.000		0	N.D.	d	
81) ethylbenzene	16.192	91	442632	2.856	ppbV	94
83) m+p-xylene	16.350	91	1390577	11.186	ppbV	94
84) bromoform	0.000		0	N.D.		
85) styrene	16.692	104	8300	0.074	ppbV	97
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	d	
87) o-xylene	16.783	91	712008	5.780	ppbV	92
96) 4-ethyl toluene	17.858	105	264185M6	1.441	ppbV	
97) 1,3,5-trimethylbenzene	17.925	105	470200	2.946	ppbV	99
99) 1,2,4-trimethylbenzene	18.275	105	1433893	9.360	ppbV #	57
101) Benzyl Chloride	0.000		0	N.D.	d	
102) 1,3-dichlorobenzene	18.408	146	5007	0.049	ppbV #	1
103) 1,4-dichlorobenzene	18.467		0	N.D.		
107) 1,2-dichlorobenzene	18.742		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.	d	
116) naphthalene	20.333	128	120504	0.617	ppbV	100
119) hexachlorobutadiene	0.000		0	N.D.		

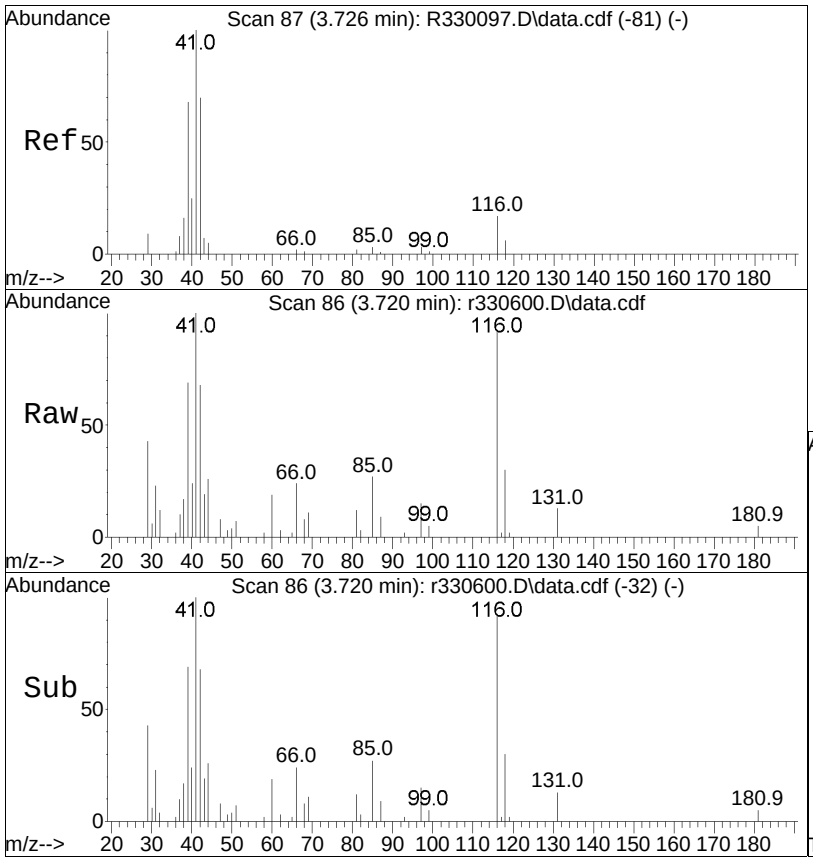
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15_STD+Naph - .\Airpiano3\2024\04\0424T\r330584.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0424T\
Data File : r330600.D
Acq On : 25 Apr 2024 1:13 AM
Operator : AIRPIANO3:KJD
Sample : WG1912849-5,3,250,250
Misc : WG1912849,ICAL21001
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 25 07:32:24 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0424T\TFS3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:05:38 2024
Response via : Initial Calibration

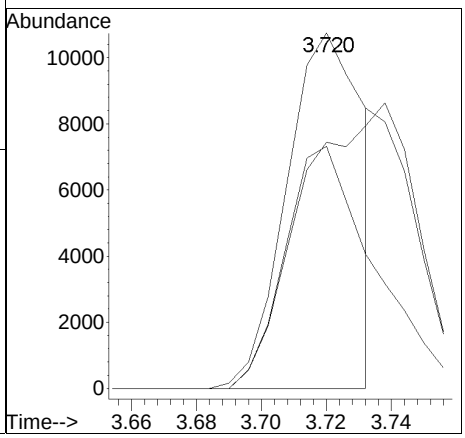


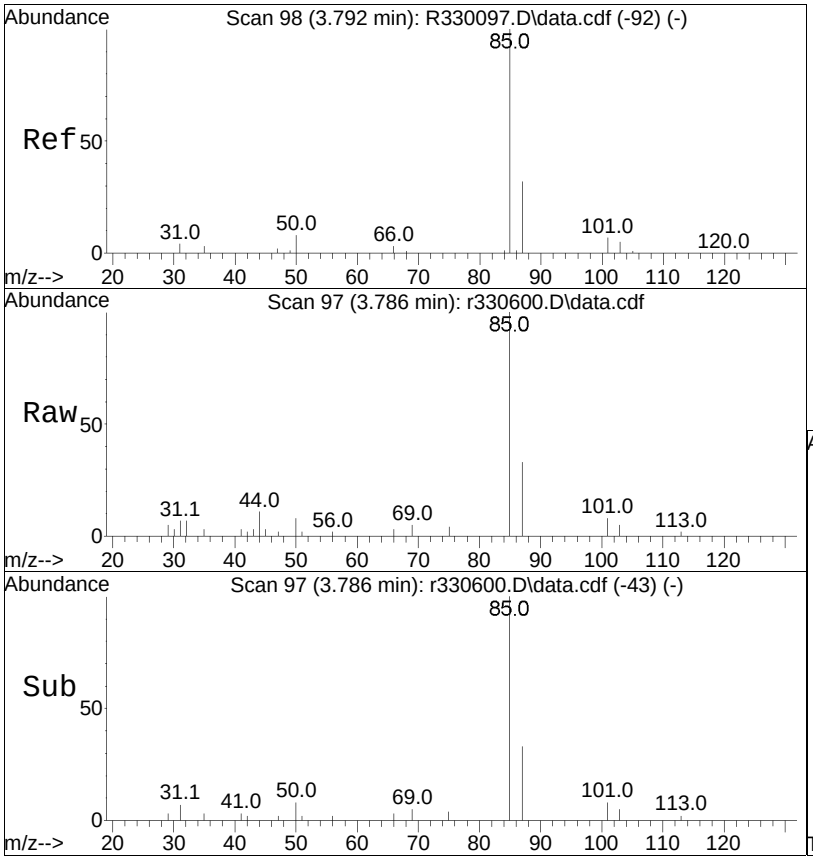


#3
propylene
Concen: 0.73 ppbV m
RT: 3.720 min Scan# 86
Delta R.T. -0.006 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion: 41 Resp: 17470

Ion	Ratio	Lower	Upper
41	100		
42	68.1	56.2	84.4
39	69.3	54.5	81.7

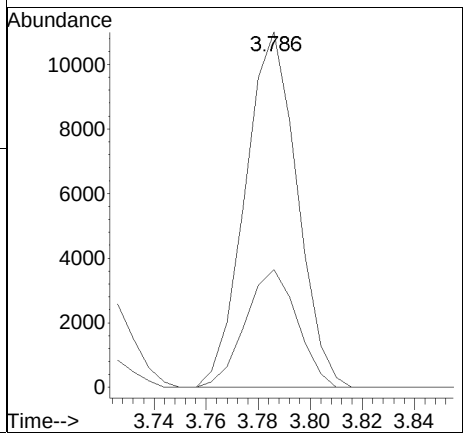


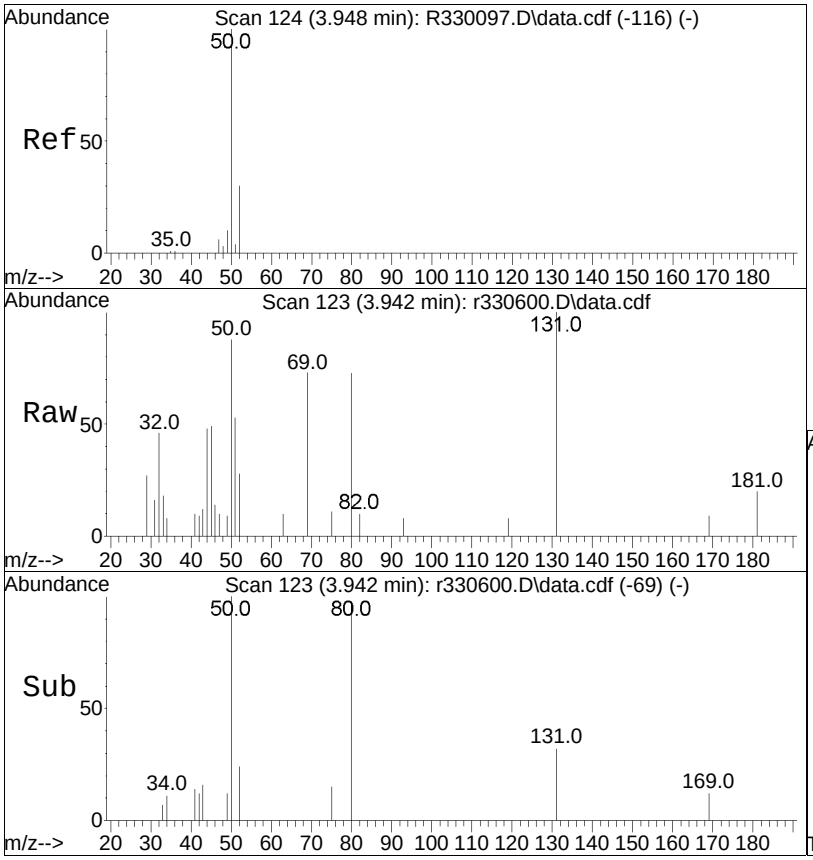


#5
dichlorodifluoromethane
Concen: 0.39 ppbV
RT: 3.786 min Scan# 97
Delta R.T. -0.006 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion: 85 Resp: 15299

Ion	Ratio	Lower	Upper
85	100		
87	33.2	25.4	38.2

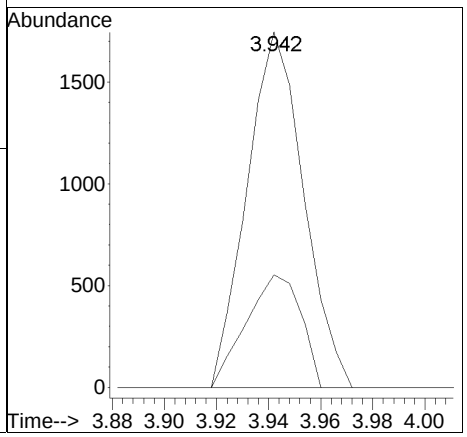


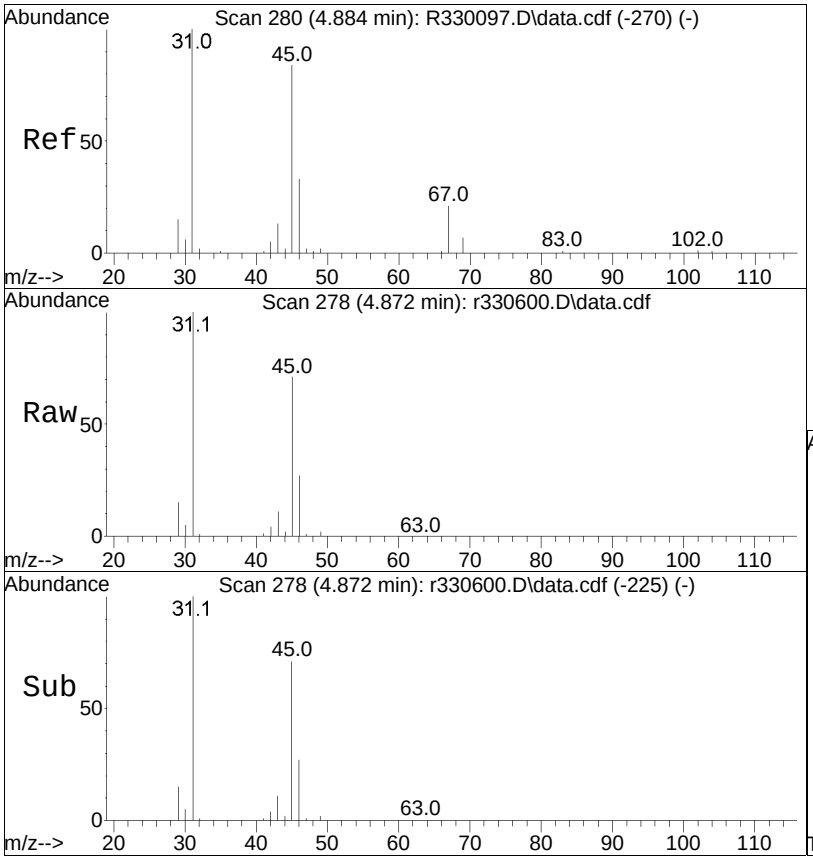


#6
chloromethane
Concen: 0.14 ppbV
RT: 3.942 min Scan# 123
Delta R.T. -0.006 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion: 50 Resp: 2638

Ion	Ratio	Lower	Upper
50	100		
52	31.7	24.0	36.0

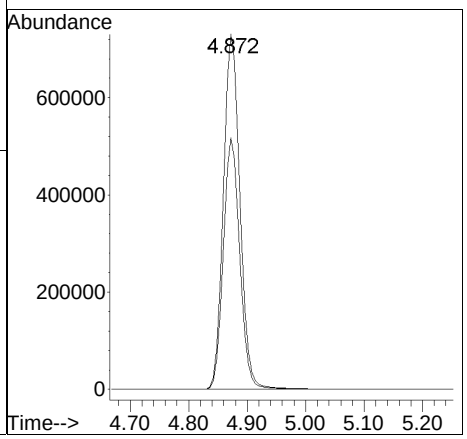


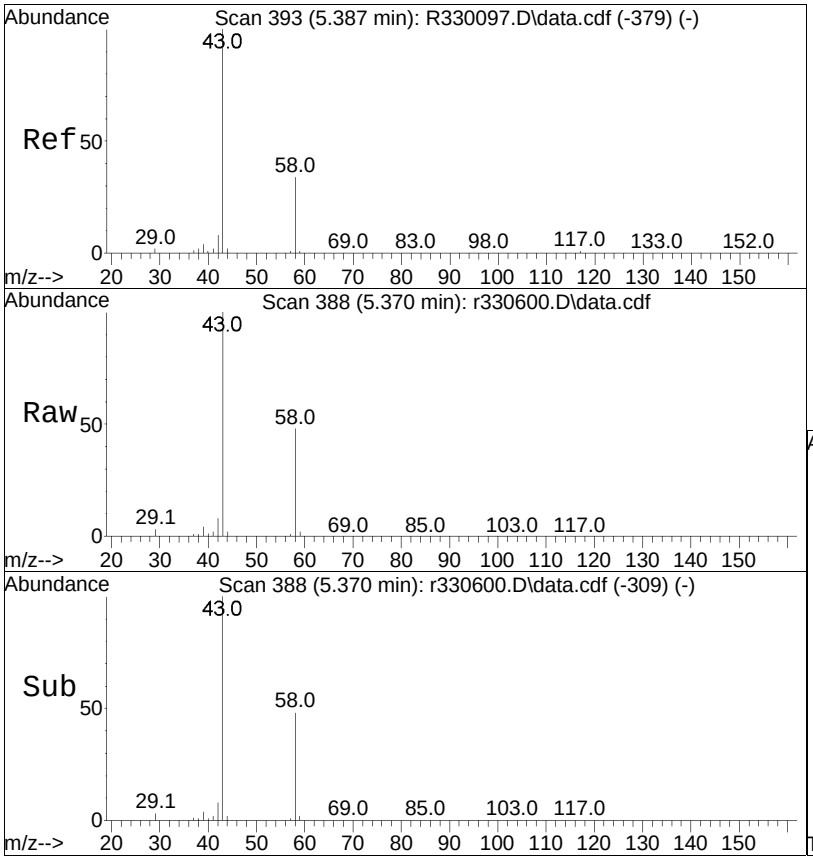


#15
ethanol
Concen: 118.39 ppbV
RT: 4.872 min Scan# 278
Delta R.T. -0.012 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion: 31 Resp: 1444611

Ion	Ratio	Lower	Upper
31	100		
45	70.9	67.5	101.3

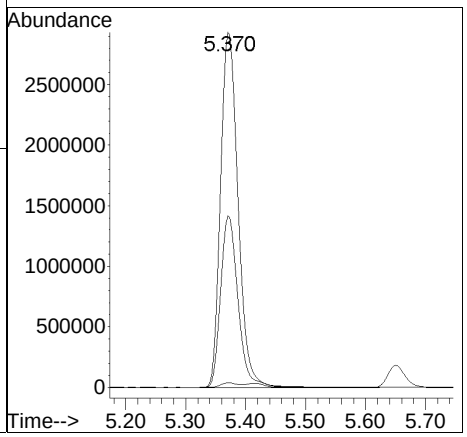


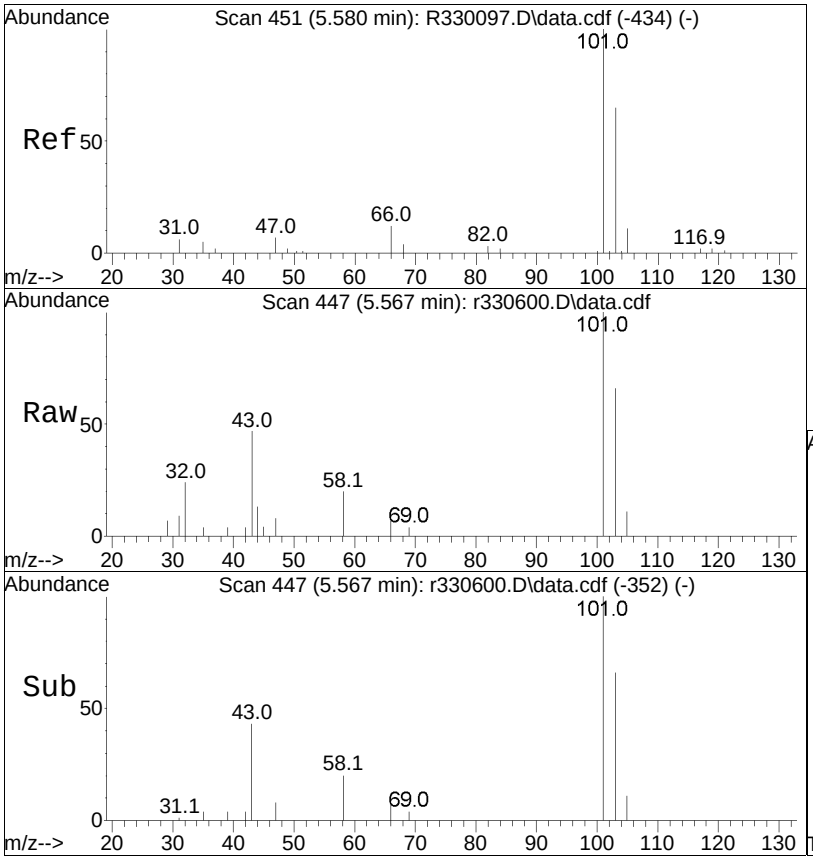


#19
acetone
Concen: 153.43 ppbV
RT: 5.370 min Scan# 388
Delta R.T. -0.017 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion: 43 Resp: 5956597

Ion	Ratio	Lower	Upper
43	100		
58	48.3	27.3	40.9#
57	1.3	0.8	1.2#

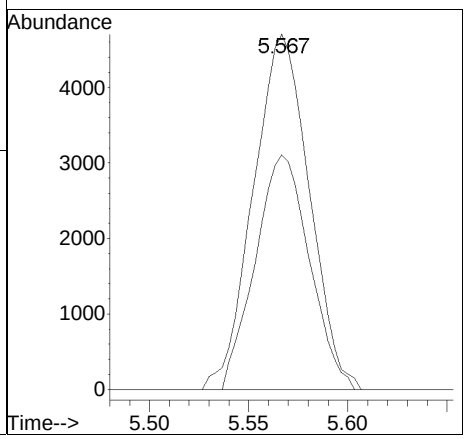


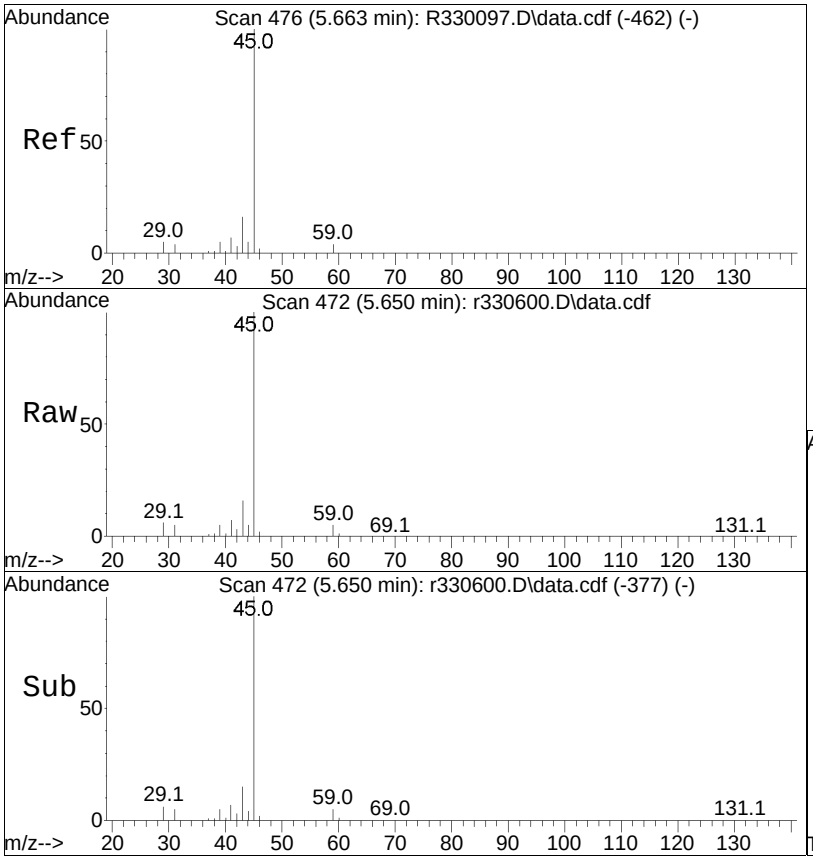


#21
trichlorofluoromethane
Concen: 0.23 ppbV
RT: 5.567 min Scan# 447
Delta R.T. -0.013 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion:101 Resp: 9227

Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.0	78.0

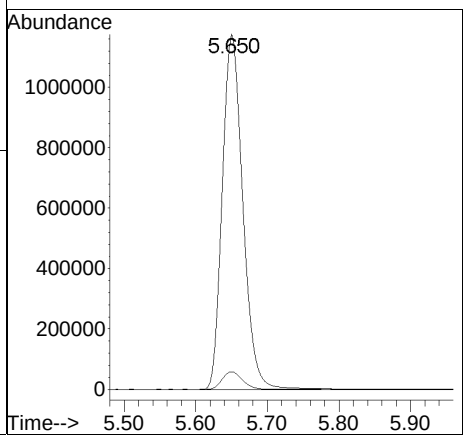


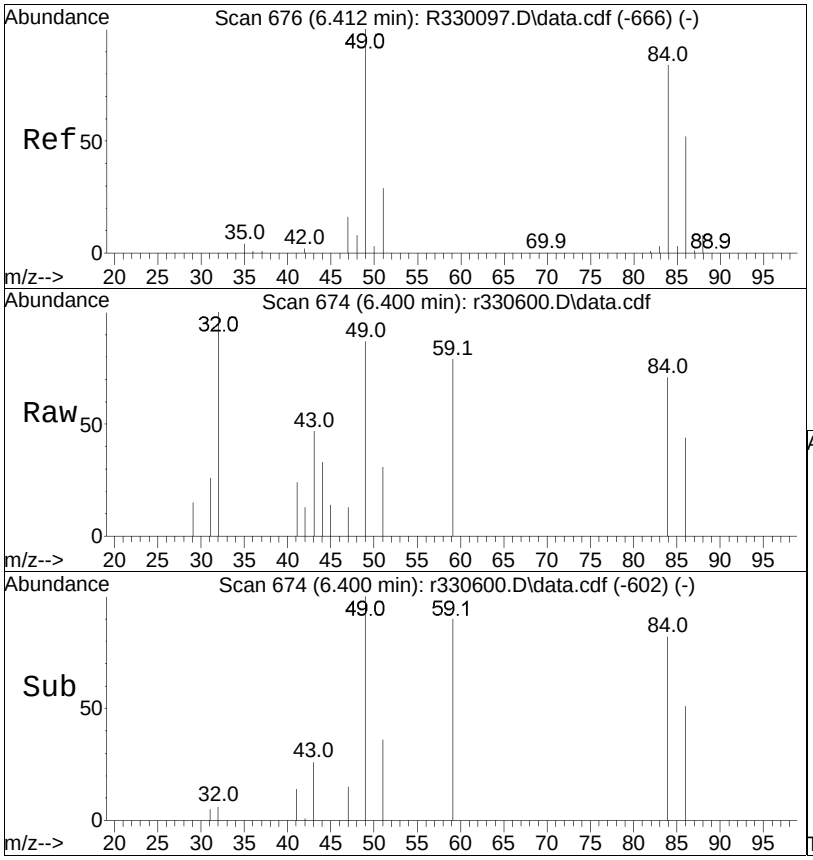


#22
isopropyl alcohol
Concen: 45.37 ppbV
RT: 5.650 min Scan# 472
Delta R.T. -0.013 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion: 45 Resp: 2348376

Ion	Ratio	Lower	Upper
45	100		
59	5.0	3.0	4.4#

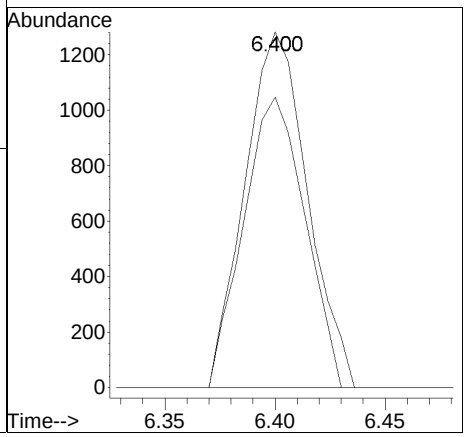


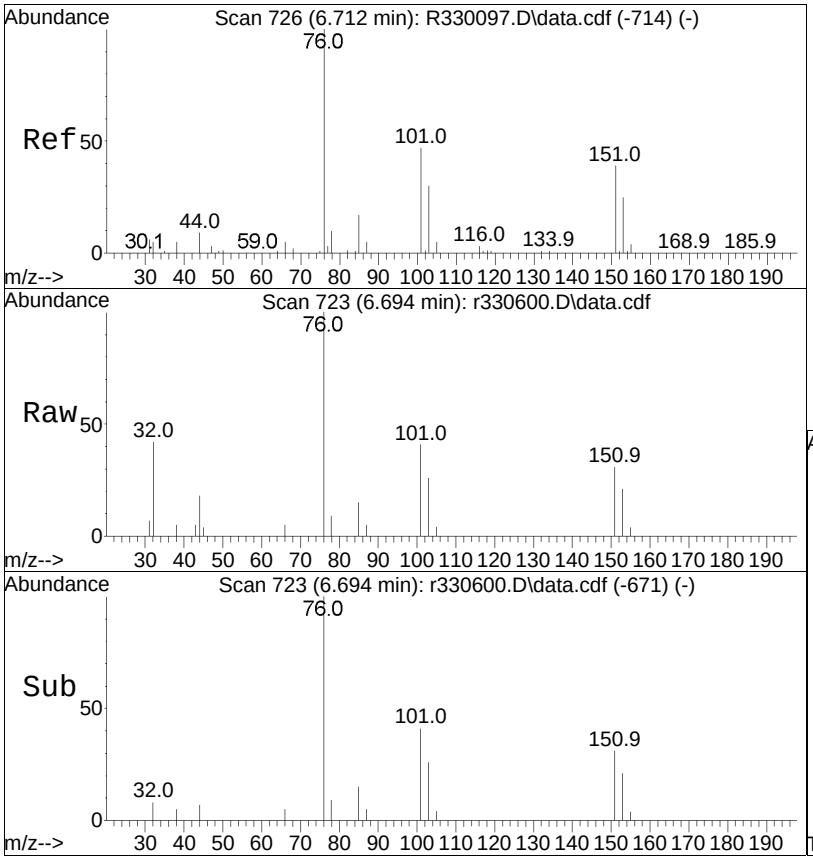


#28
methylene chloride
Concen: 0.09 ppbV
RT: 6.400 min Scan# 674
Delta R.T. -0.012 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion: 49 Resp: 2540

Ion	Ratio	Lower	Upper
49	100		
84	81.7	67.0	100.4

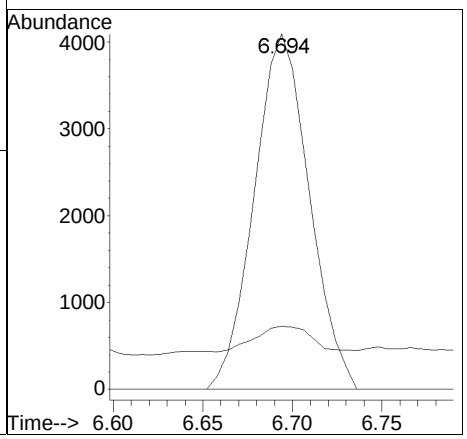


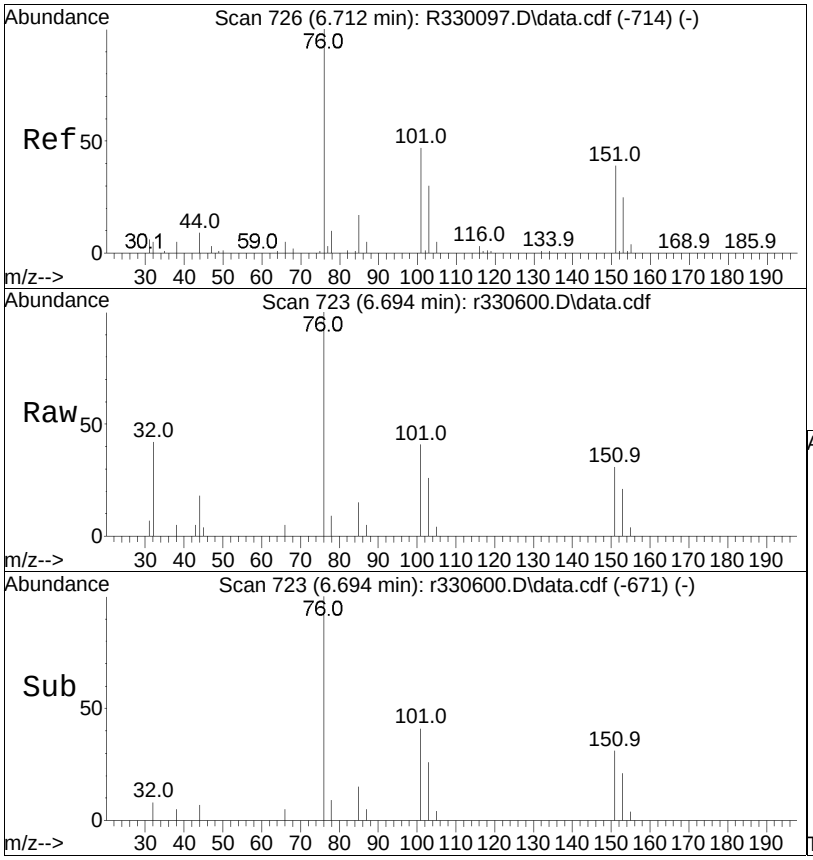


#30
carbon disulfide
Concen: 0.10 ppbV
RT: 6.694 min Scan# 723
Delta R.T. -0.018 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion: 76 Resp: 8757

Ion	Ratio	Lower	Upper
76	100		
44	17.8	7.1	10.7#

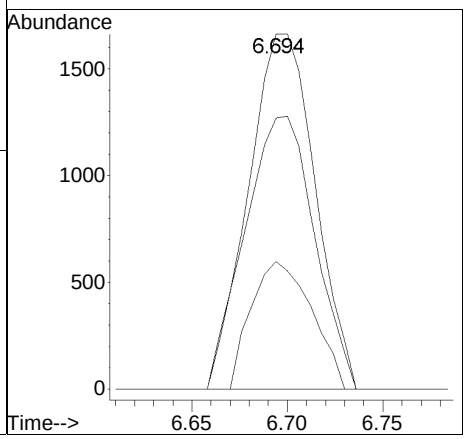


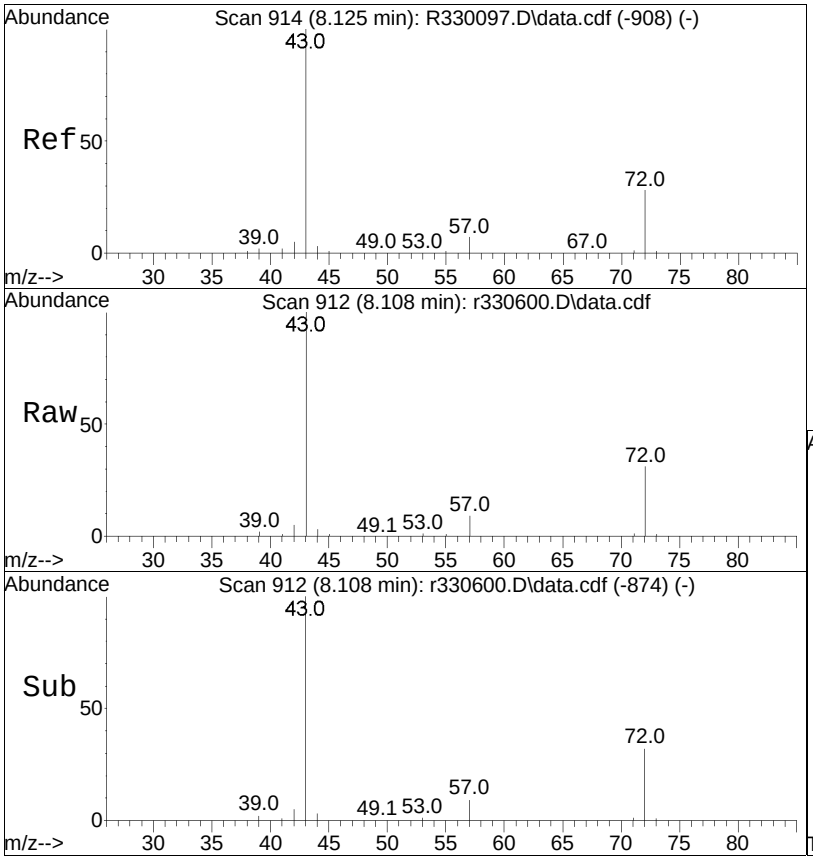


#31
Freon 113
Concen: 0.09 ppbV
RT: 6.694 min Scan# 723
Delta R.T. -0.018 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion:101 Resp: 4049

Ion	Ratio	Lower	Upper
101	100		
85	36.0	28.5	42.7
151	76.4	66.9	100.3

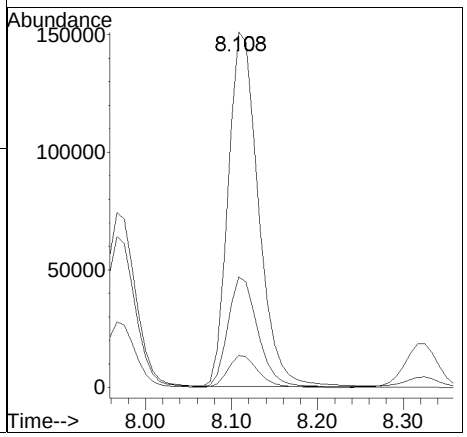


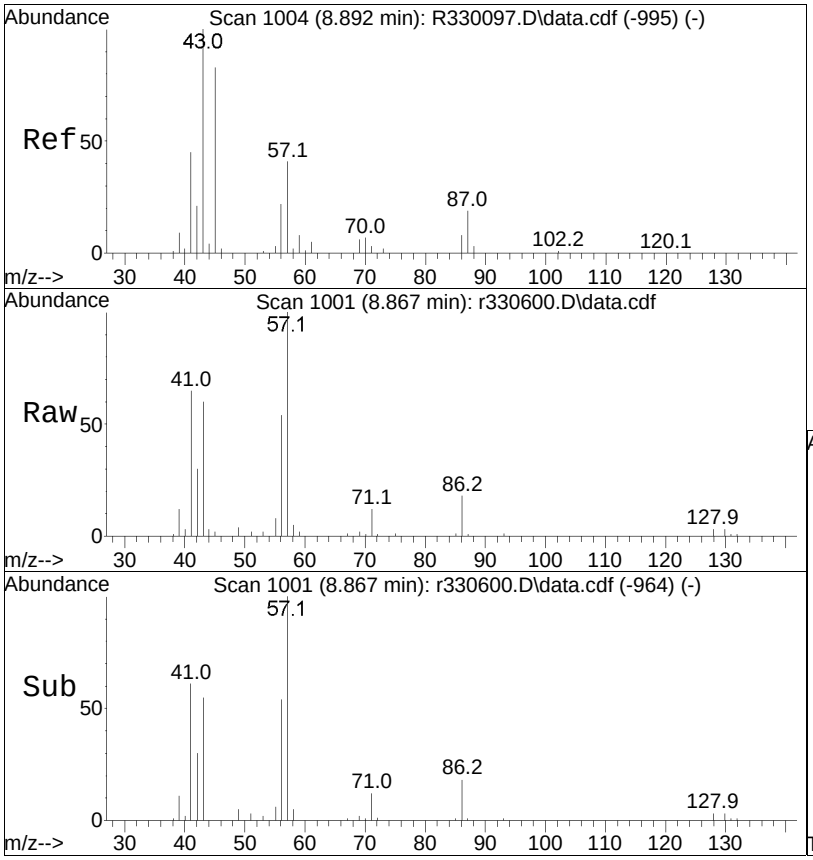


#36
2-butanone
Concen: 5.57 ppbV
RT: 8.108 min Scan# 912
Delta R.T. -0.017 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion: 43 Resp: 369495

Ion	Ratio	Lower	Upper
43	100		
72	31.1	22.1	33.1
57	9.0	5.3	7.9#

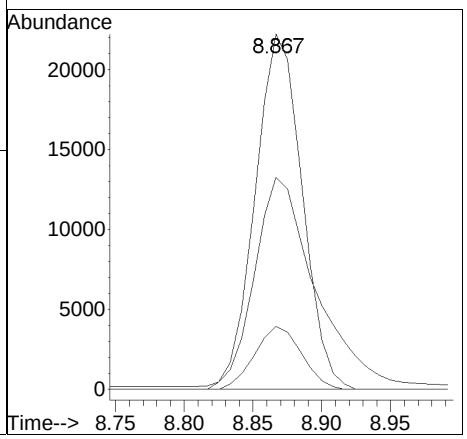


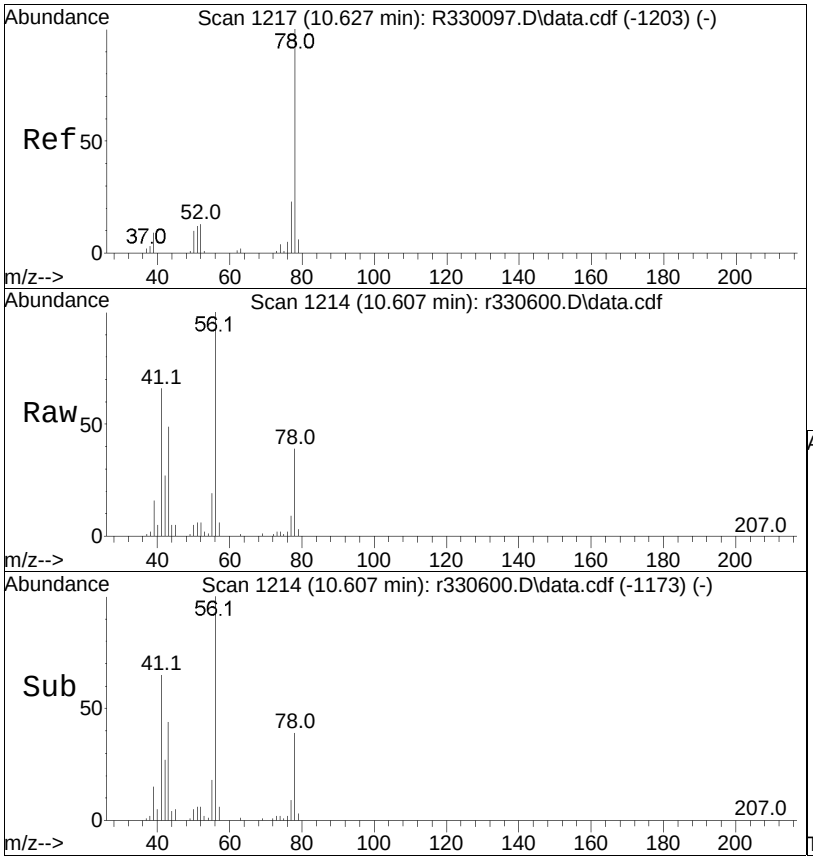


#44
hexane
Concen: 1.12 ppbV
RT: 8.867 min Scan# 1001
Delta R.T. -0.025 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion: 57 Resp: 52865

Ion	Ratio	Lower	Upper
57	100		
43	59.7	196.5	294.7#
86	17.7	15.8	23.6

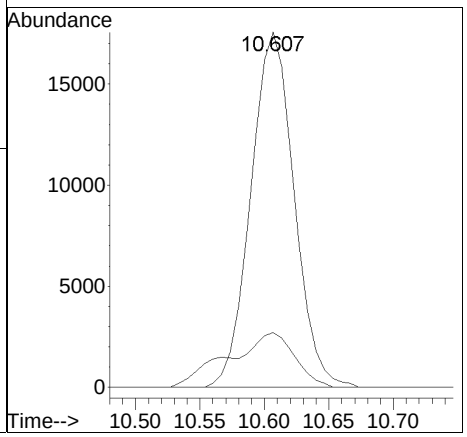


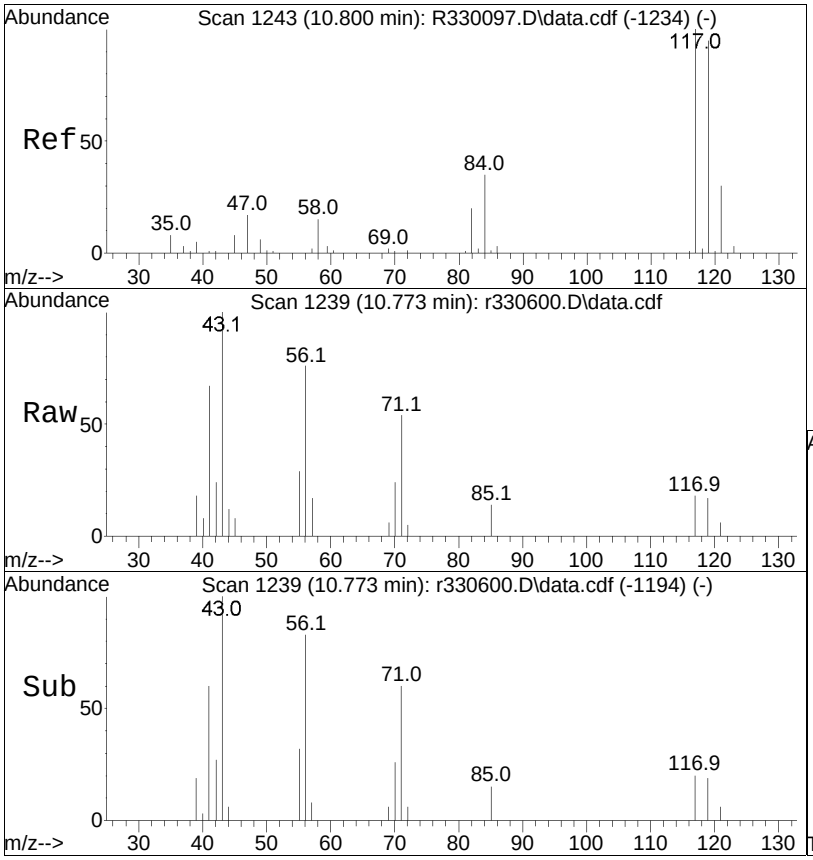


#50
benzene
Concen: 0.38 ppbV
RT: 10.607 min Scan# 1214
Delta R.T. -0.020 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion: 78 Resp: 41090

Ion	Ratio	Lower	Upper
78	100		
52	15.5	10.4	15.6

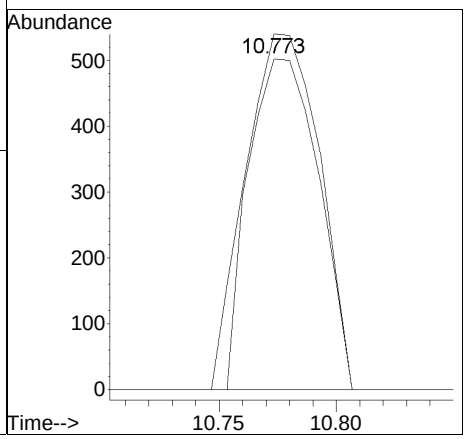


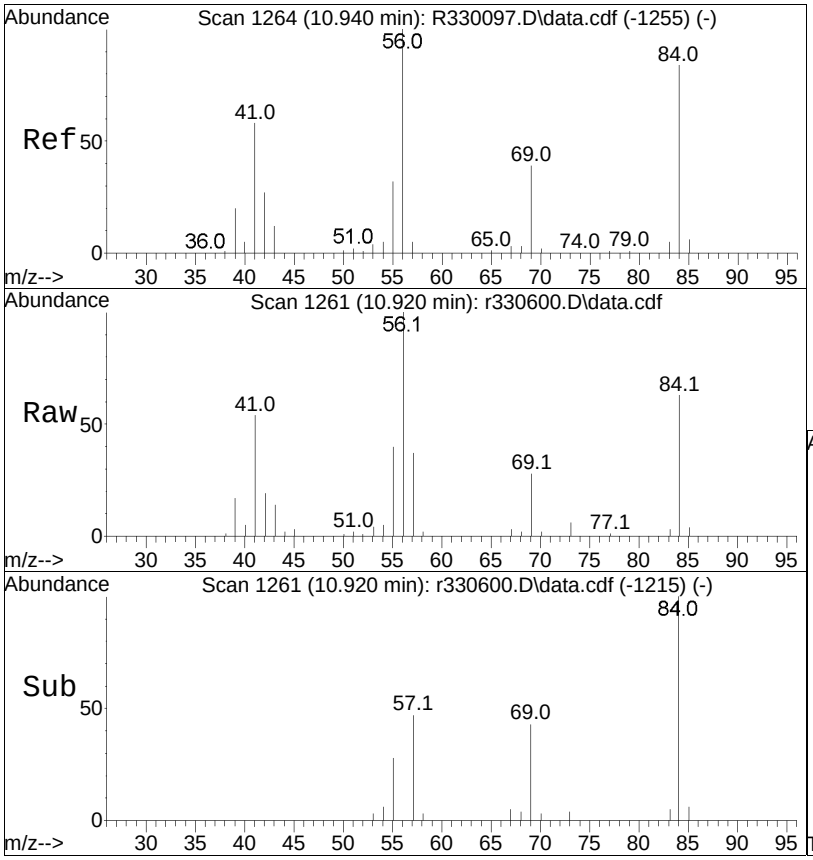


#52
carbon tetrachloride
Concen: 0.03 ppbV
RT: 10.773 min Scan# 1239
Delta R.T. -0.027 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion:117 Resp: 1188

Ion	Ratio	Lower	Upper
117	100		
119	93.0	75.8	113.8
82	0.0	16.5	24.7#

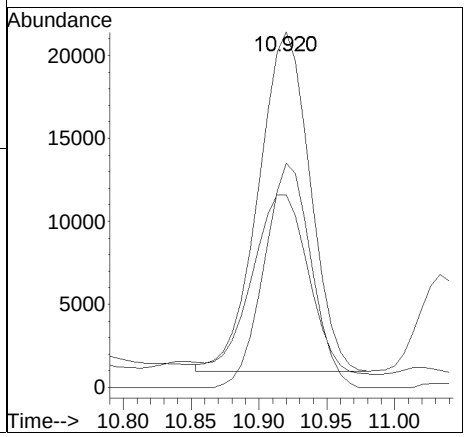


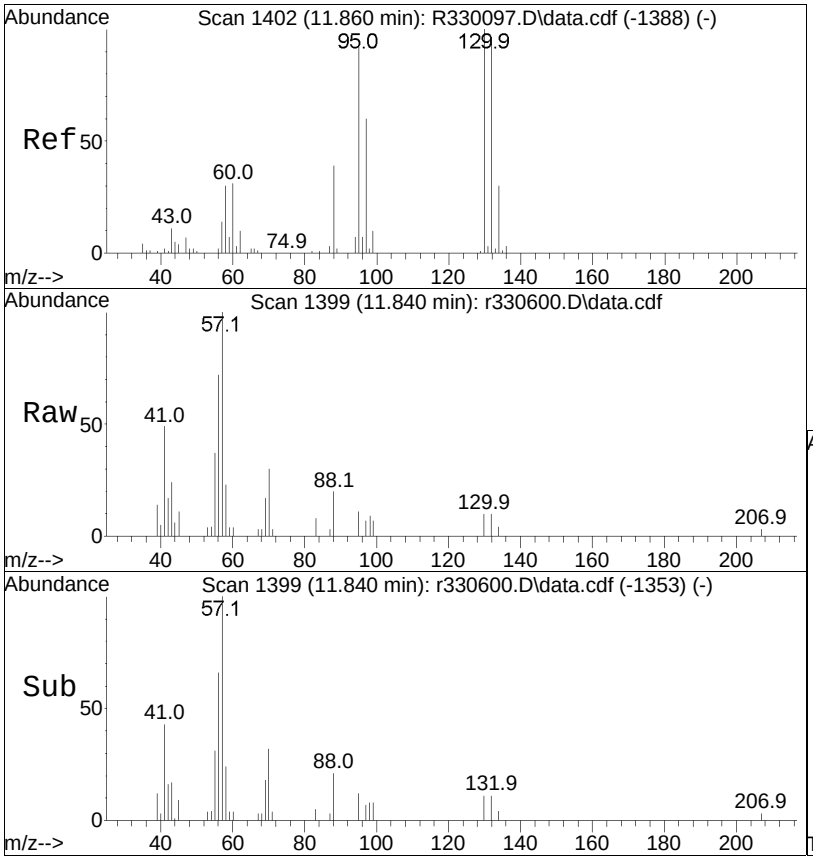


#53
cyclohexane
Concen: 1.08 ppbV
RT: 10.920 min Scan# 1261
Delta R.T. -0.020 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion: 56 Resp: 54244

Ion	Ratio	Lower	Upper
56	100		
84	63.1	67.4	101.2#
41	54.2	46.4	69.6

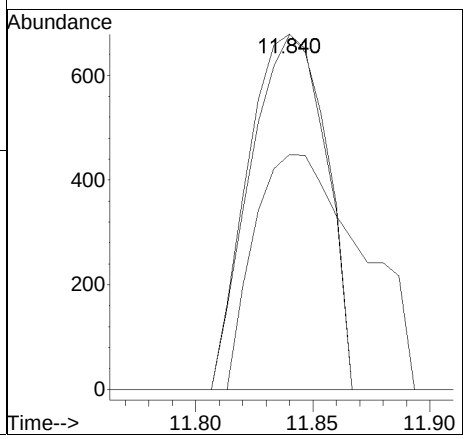


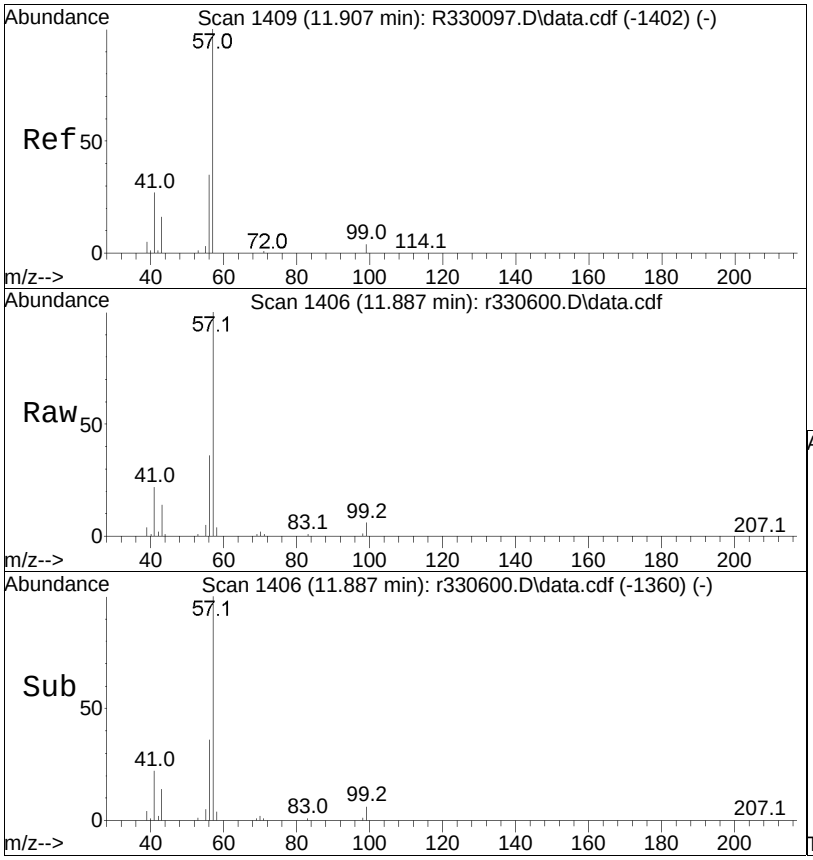


#59
trichloroethene
Concen: 0.04 ppbV
RT: 11.840 min Scan# 1399
Delta R.T. -0.020 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion:130 Resp: 1578

Ion	Ratio	Lower	Upper
130	100		
132	99.9	76.3	114.5
97	66.1	47.8	71.6

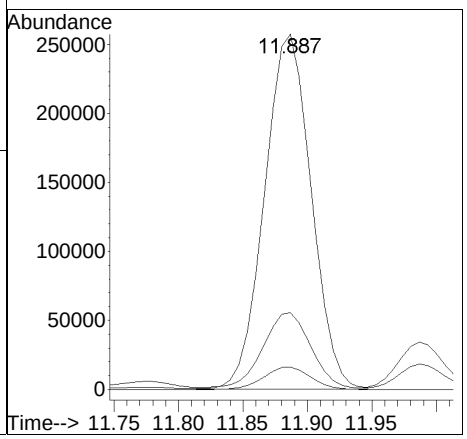


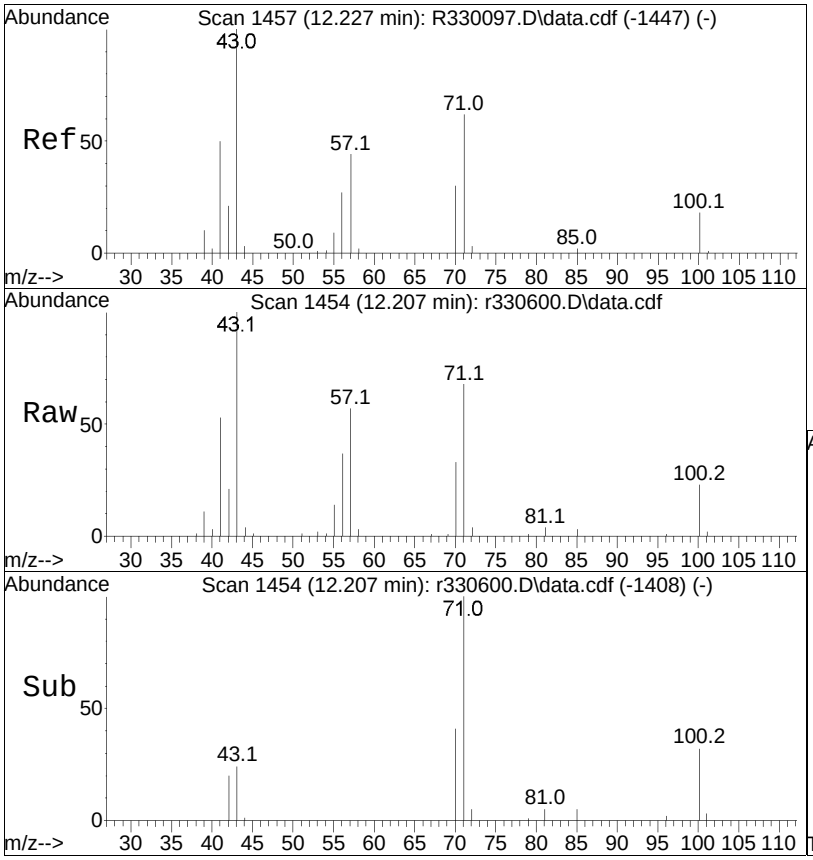


#60
2,2,4-trimethylpentane
Concen: 4.22 ppbV
RT: 11.887 min Scan# 1406
Delta R.T. -0.020 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion: 57 Resp: 646042

Ion	Ratio	Lower	Upper
57	100		
99	6.3	5.3	7.9
41	21.6	21.4	32.0

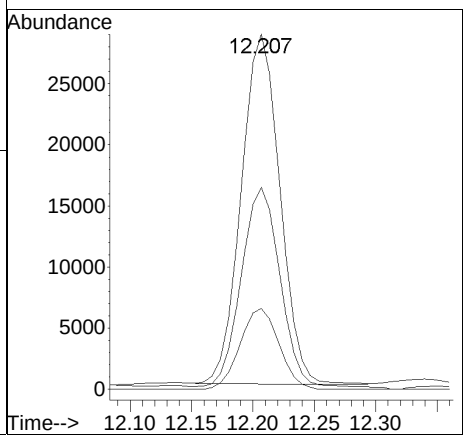


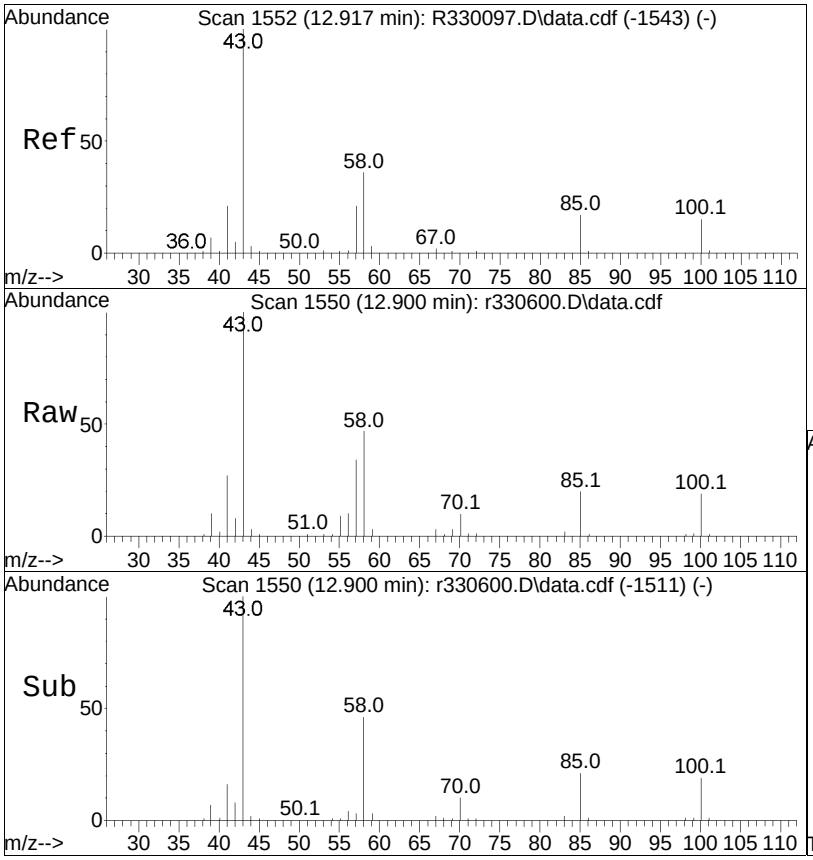


#62
heptane
Concen: 0.91 ppbV
RT: 12.207 min Scan# 1454
Delta R.T. -0.020 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion: 43 Resp: 62699

Ion	Ratio	Lower	Upper
43	100		
57	56.9	34.9	52.3#
100	22.8	14.9	22.3#

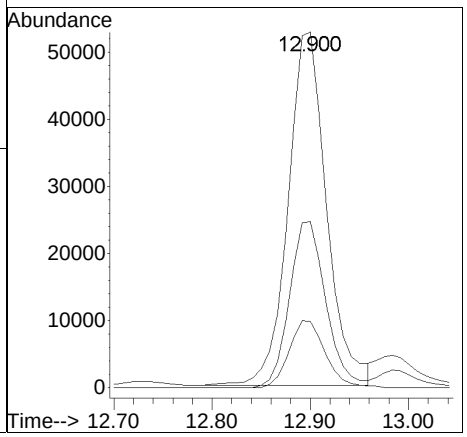


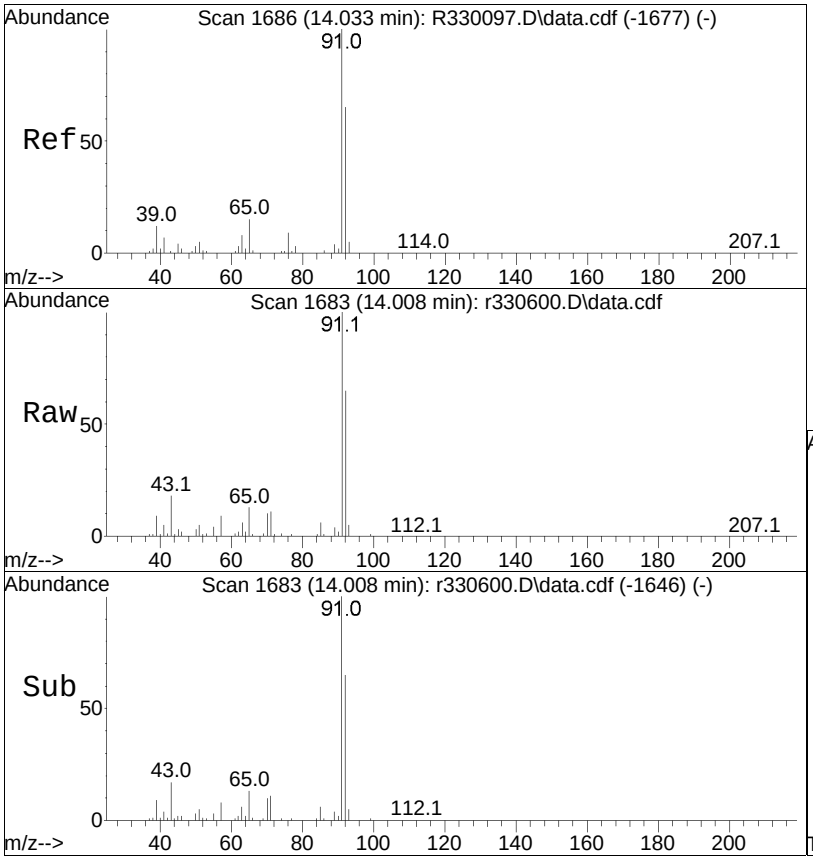


#64
4-methyl-2-pentanone
Concen: 1.78 ppbV
RT: 12.900 min Scan# 1550
Delta R.T. -0.017 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion: 43 Resp: 143640

Ion	Ratio	Lower	Upper
43	100		
58	46.6	29.1	43.7#
100	18.6	12.2	18.4#

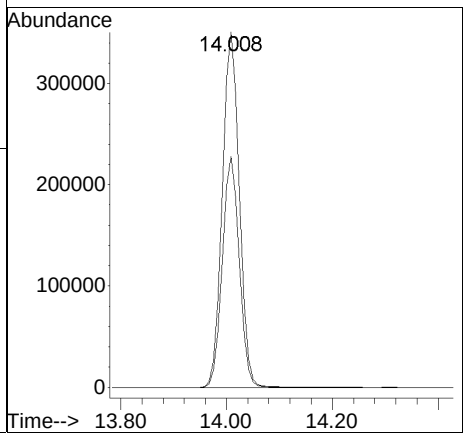


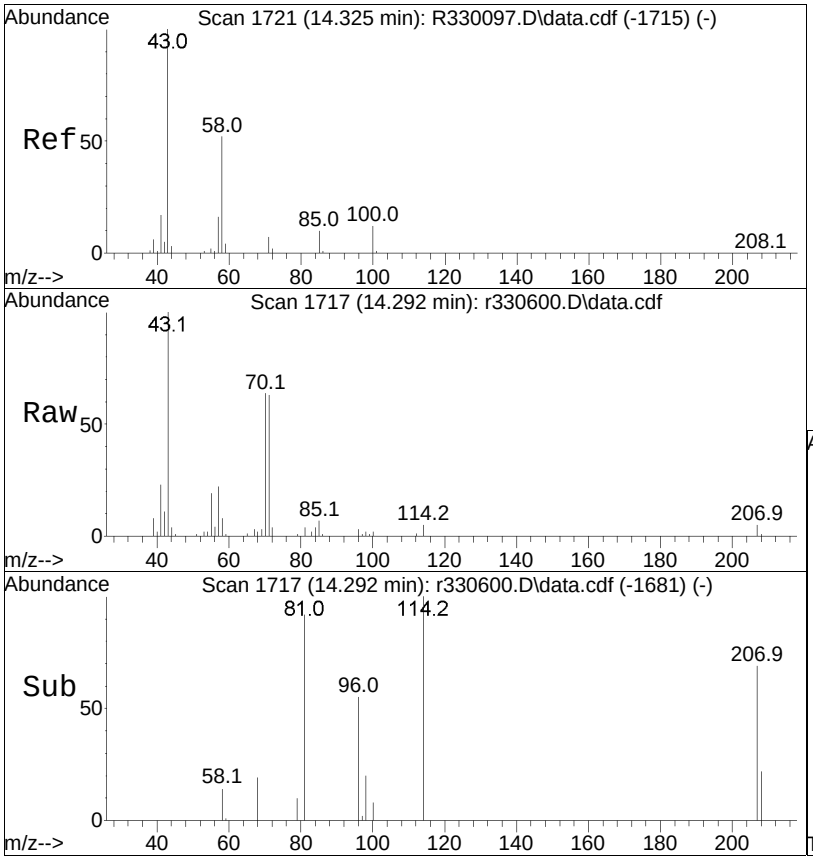


#68
toluene
Concen: 6.35 ppbV
RT: 14.008 min Scan# 1683
Delta R.T. -0.025 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion: 91 Resp: 782783

Ion	Ratio	Lower	Upper
91	100		
92	65.0	52.1	78.1

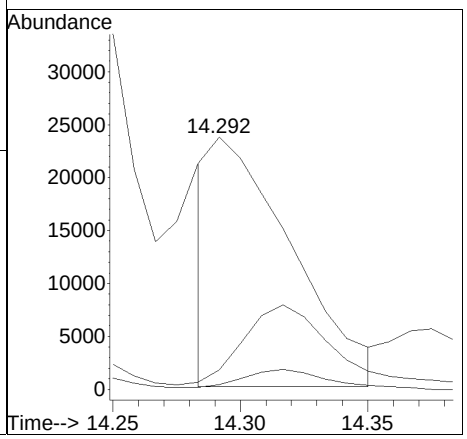


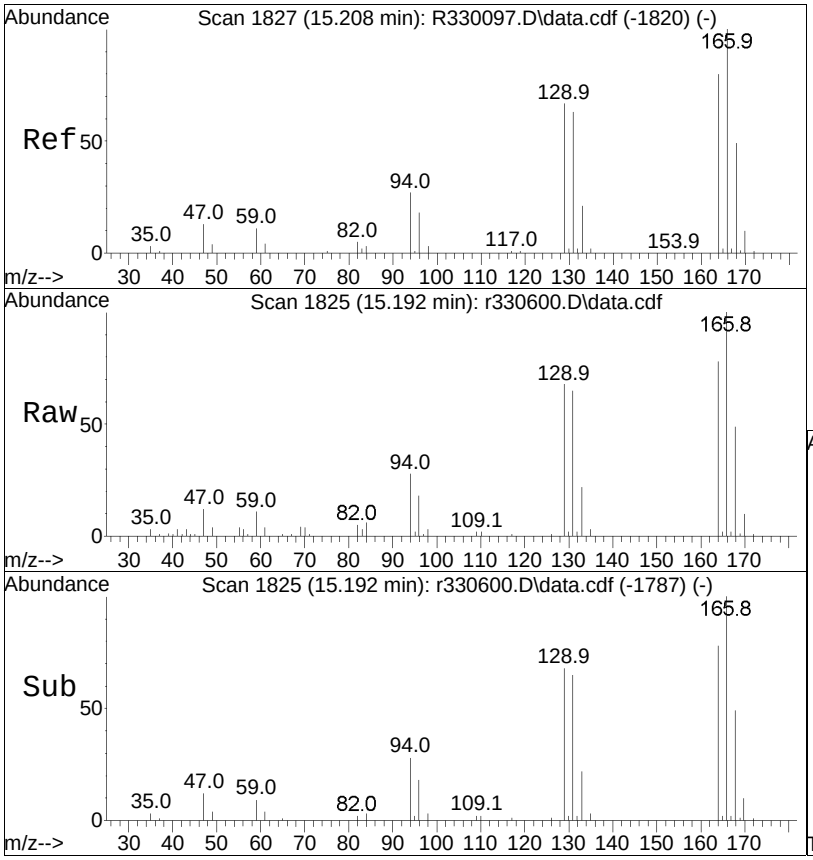


#72
2-hexanone
Concen: 0.63 ppbV m
RT: 14.292 min Scan# 1717
Delta R.T. -0.033 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion: 43 Resp: 52275

Ion	Ratio	Lower	Upper
43	100		
58	7.7	41.9	62.9#
100	1.9	10.2	15.2#

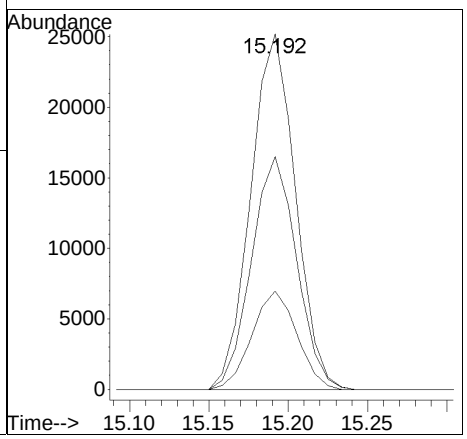


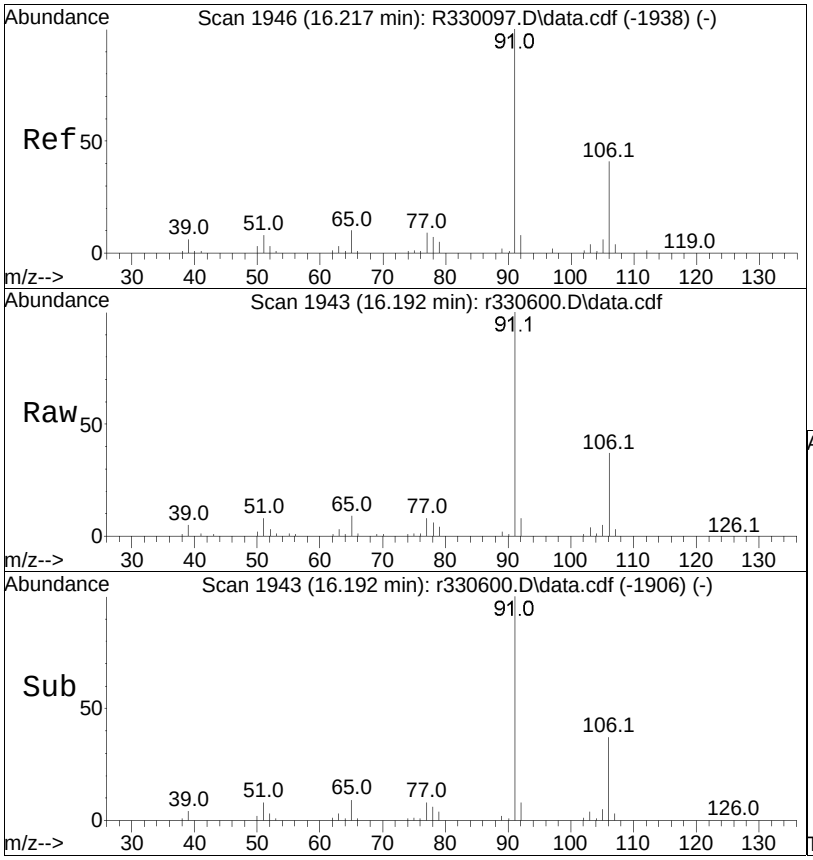


#78
tetrachloroethene
Concen: 0.89 ppbV
RT: 15.192 min Scan# 1825
Delta R.T. -0.017 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion:166 Resp: 49300

Ion	Ratio	Lower	Upper
166	100		
131	65.5	50.6	75.8
94	27.7	21.4	32.2

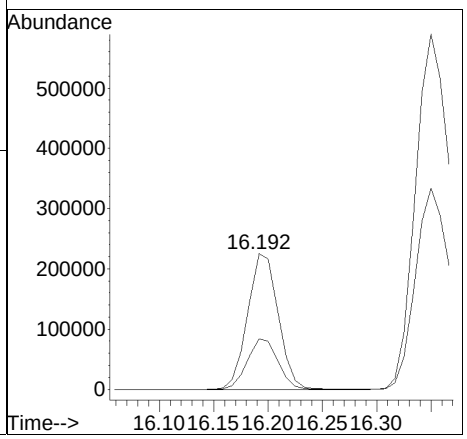


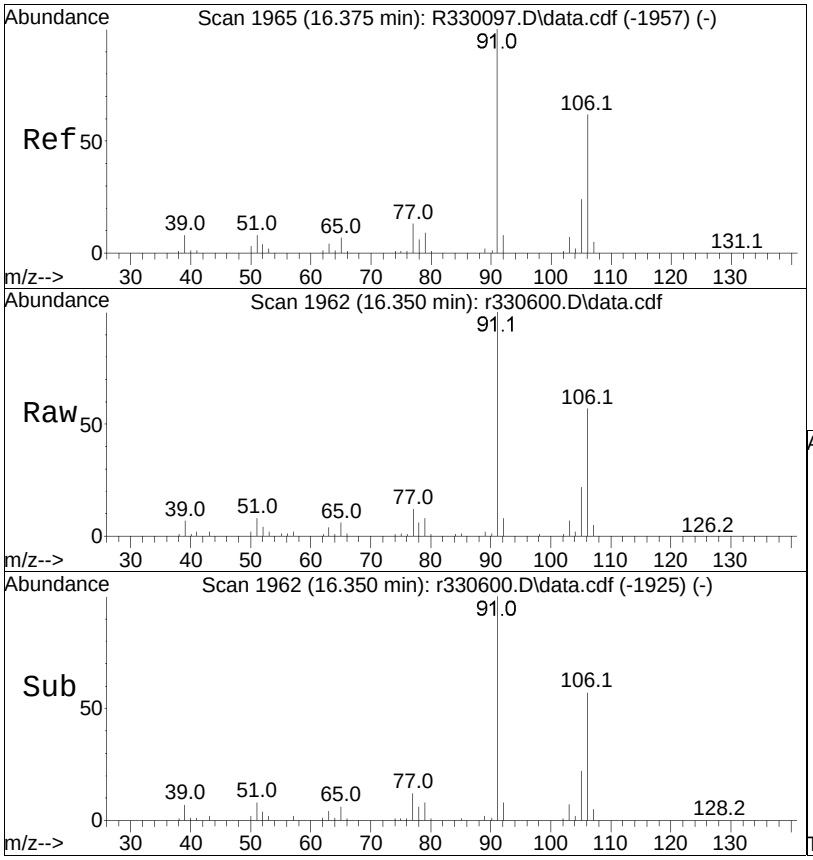


#81
ethylbenzene
Concen: 2.86 ppbV
RT: 16.192 min Scan# 1943
Delta R.T. -0.025 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion: 91 Resp: 442632

Ion	Ratio	Lower	Upper
91	100		
106	37.3	32.6	49.0

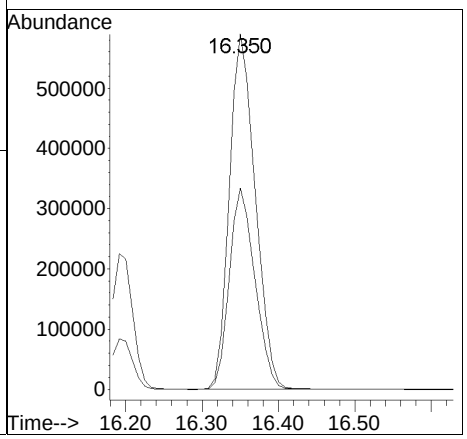


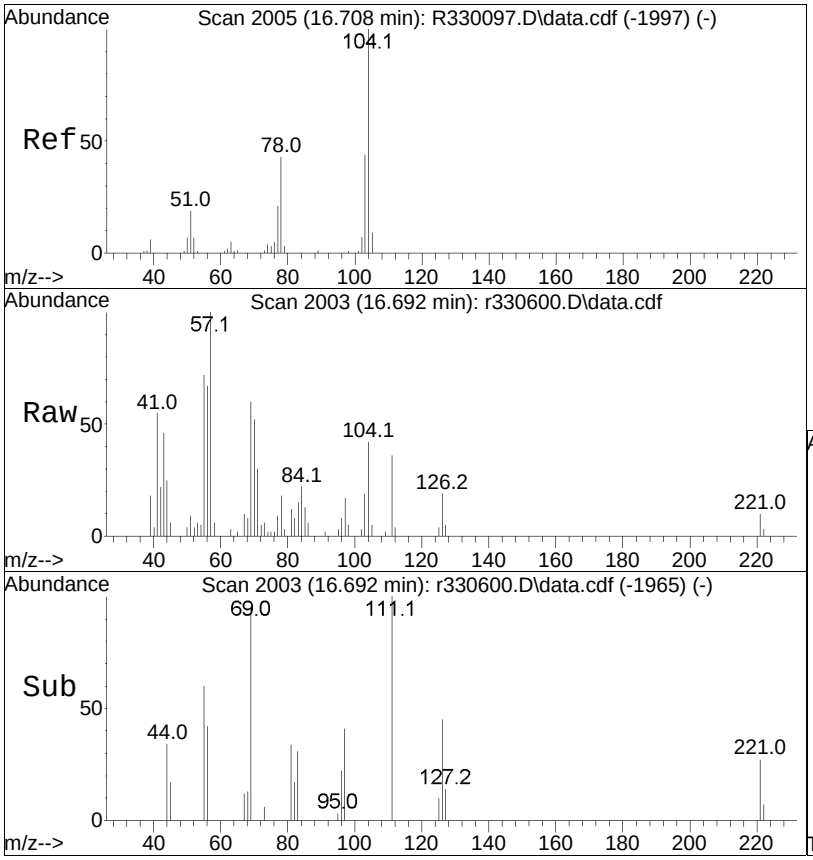


#83
m+p-xylene
Concen: 11.19 ppbV
RT: 16.350 min Scan# 1962
Delta R.T. -0.025 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion: 91 Resp: 1390577

Ion	Ratio	Lower	Upper
91	100		
106	56.6	49.2	73.8

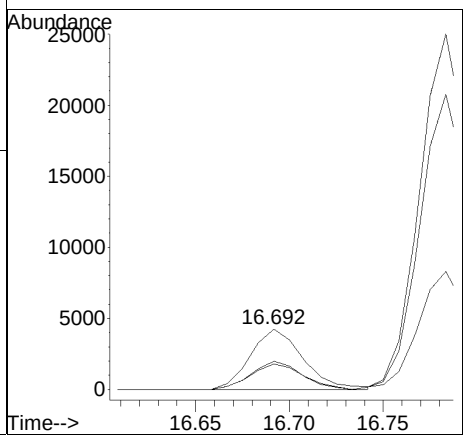


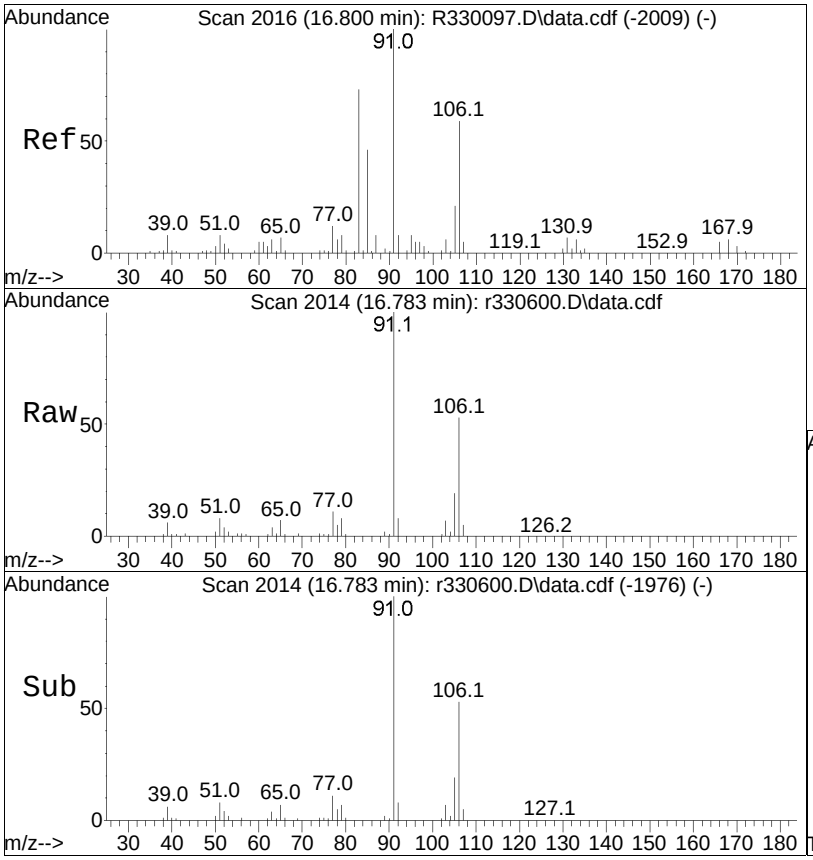


#85
styrene
Concen: 0.07 ppbV
RT: 16.692 min Scan# 2003
Delta R.T. -0.017 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion:104 Resp: 8300

Ion	Ratio	Lower	Upper
104	100		
103	46.8	35.0	52.4
78	42.2	34.3	51.5

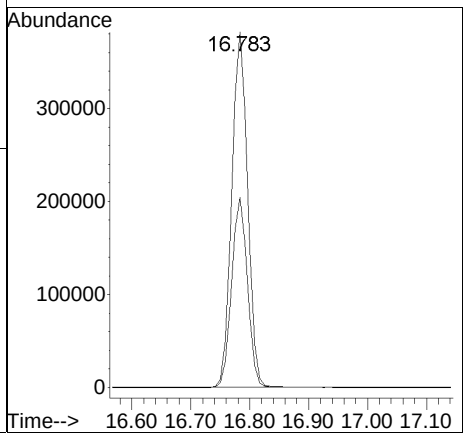


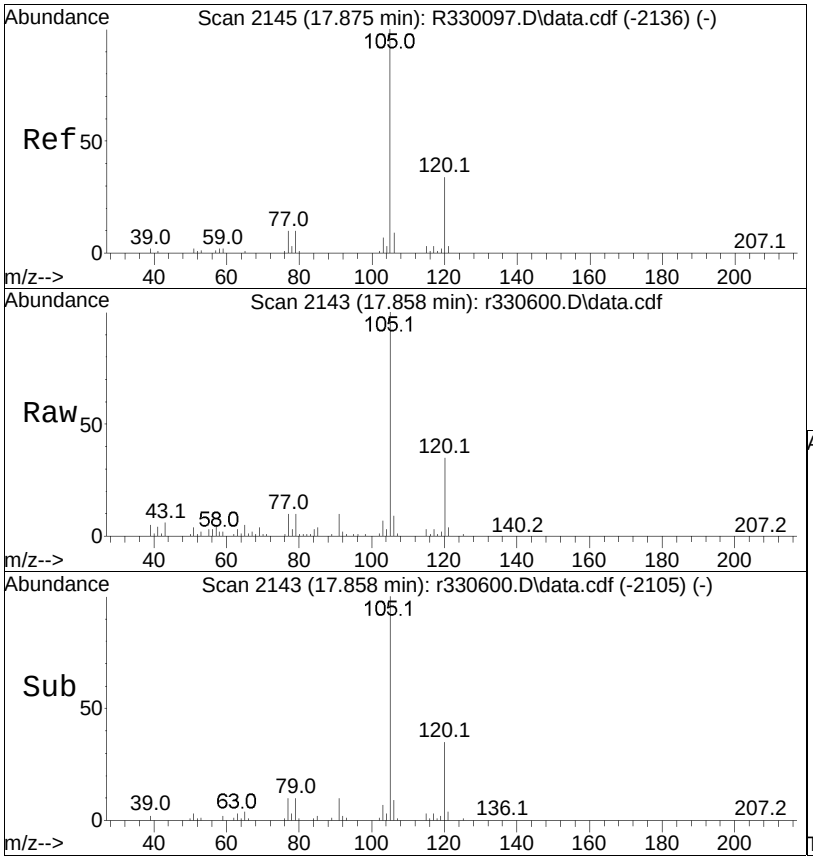


#87
o-xylene
Concen: 5.78 ppbV
RT: 16.783 min Scan# 2014
Delta R.T. -0.017 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion: 91 Resp: 712008

Ion	Ratio	Lower	Upper
91	100		
106	53.5	47.5	71.3

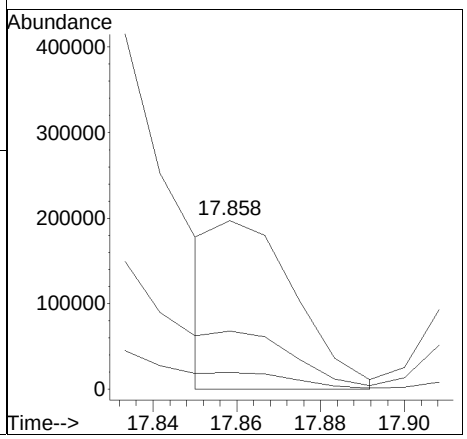


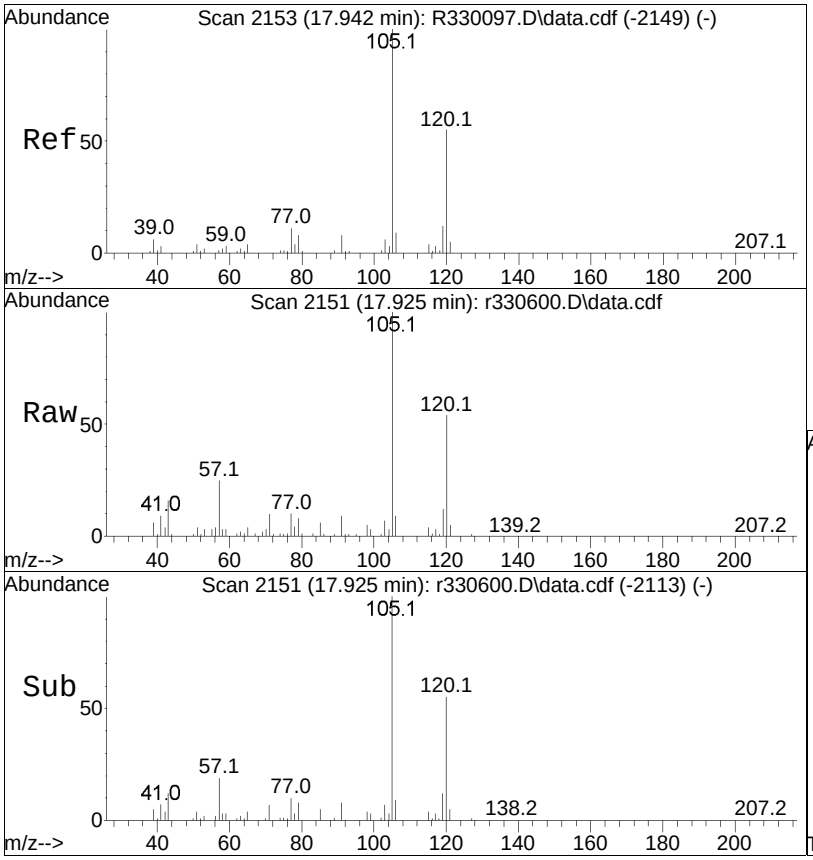


#96
4-ethyl toluene
Concen: 1.44 ppbV m
RT: 17.858 min Scan# 2143
Delta R.T. -0.017 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion:105 Resp: 264185

Ion	Ratio	Lower	Upper
105	100		
120	34.6	27.2	40.8
91	10.0	7.1	10.7

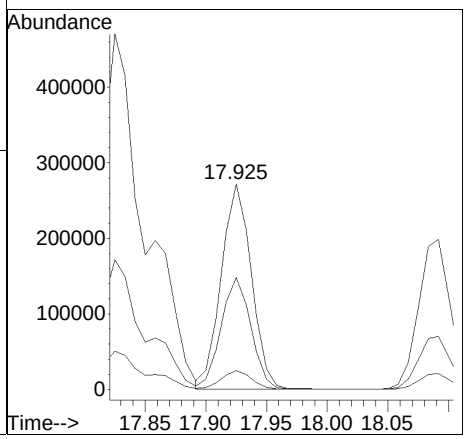


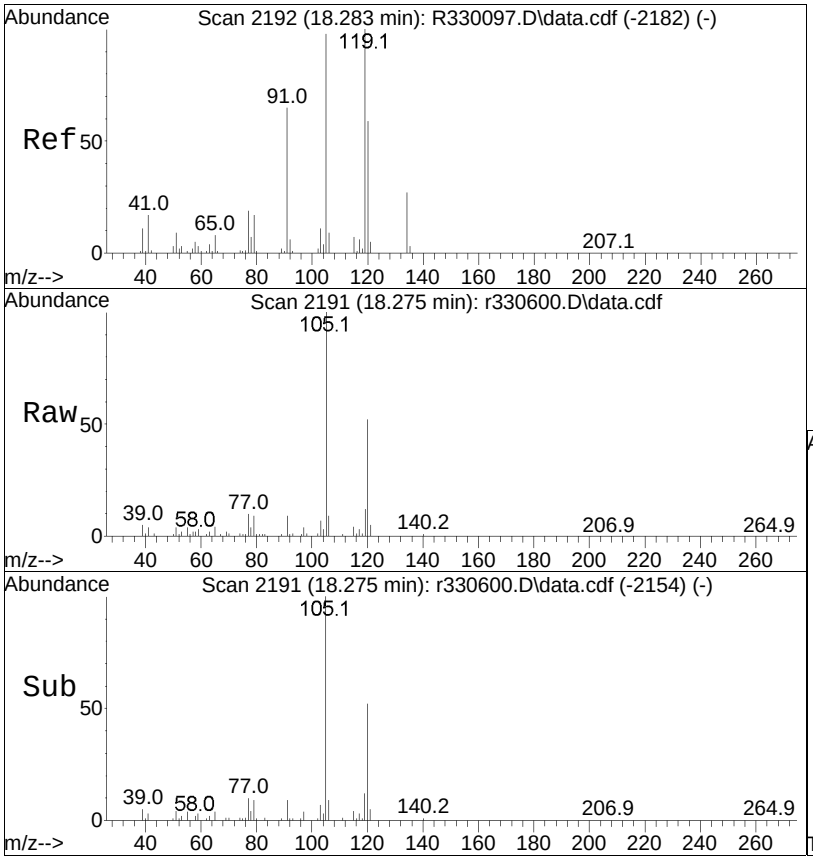


#97
1,3,5-trimethylbenzene
Concen: 2.95 ppbV
RT: 17.925 min Scan# 2151
Delta R.T. -0.017 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion:105 Resp: 470200

Ion	Ratio	Lower	Upper
105	100		
120	54.4	43.1	64.7
91	9.2	6.8	10.2

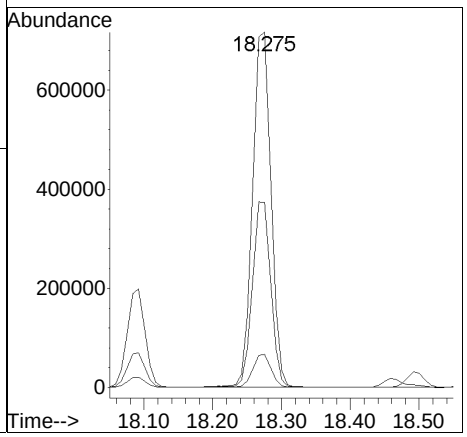


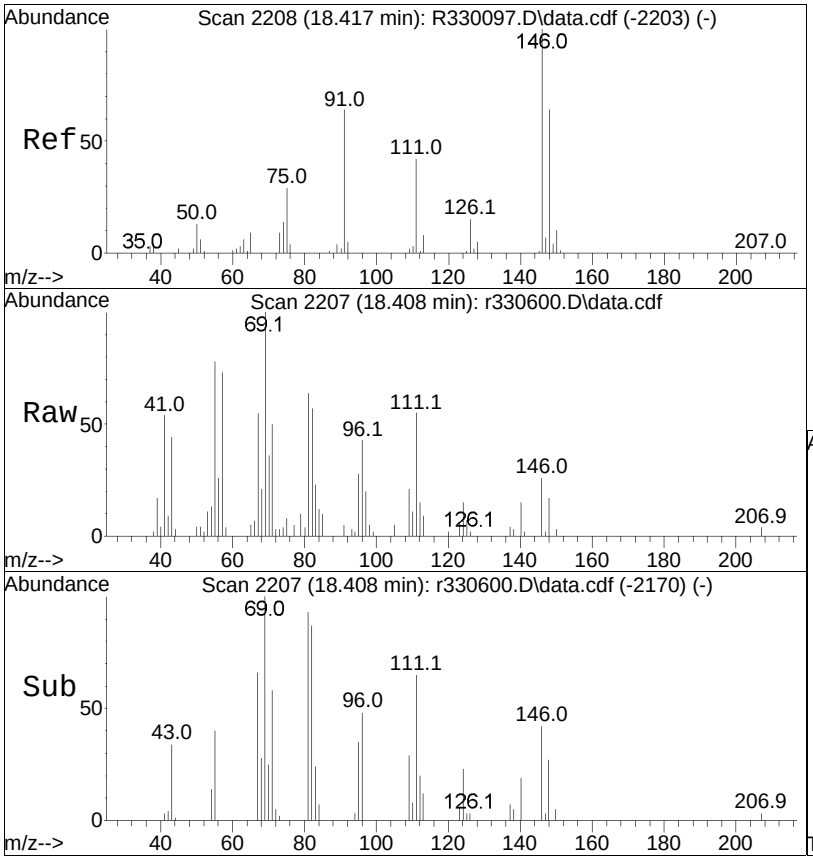


#99
1,2,4-trimethylbenzene
Concen: 9.36 ppbV
RT: 18.275 min Scan# 2191
Delta R.T. -0.008 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion:105 Resp: 1433893

Ion	Ratio	Lower	Upper
105	100		
120	52.1	47.8	71.8
91	9.3	53.4	80.0#

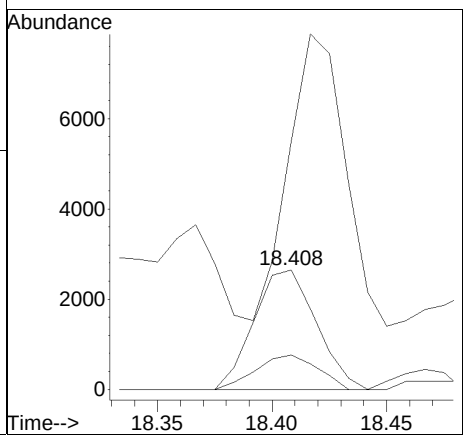


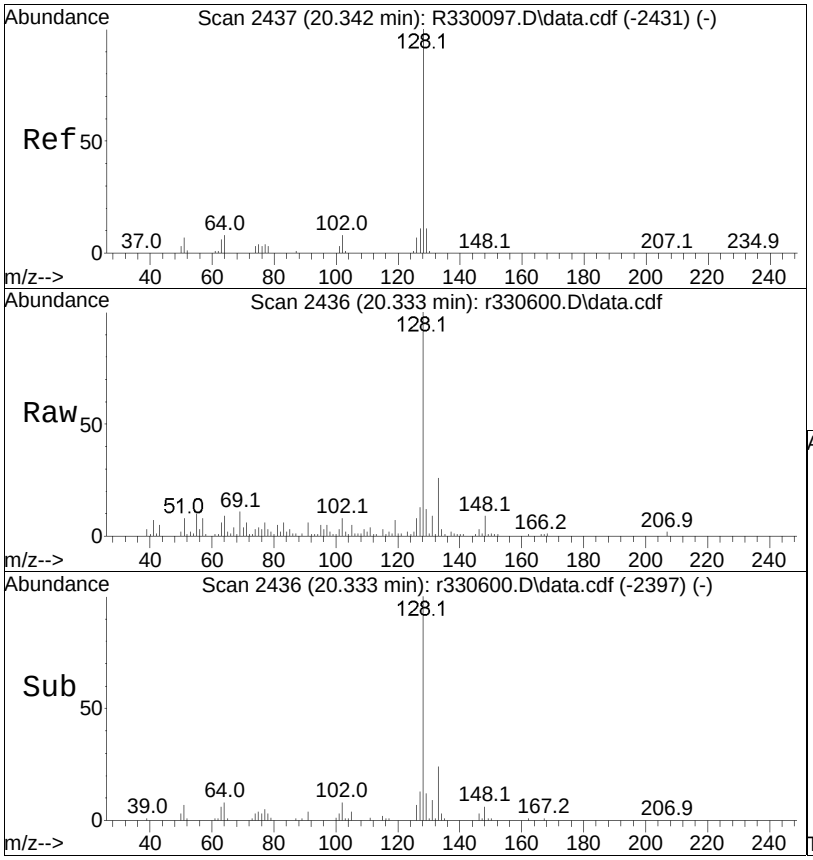


#102
1,3-dichlorobenzene
Concen: 0.05 ppbV
RT: 18.408 min Scan# 2207
Delta R.T. -0.008 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion:146 Resp: 5007

Ion	Ratio	Lower	Upper
146	100		
111	208.0	33.5	50.3#
75	28.8	22.9	34.3

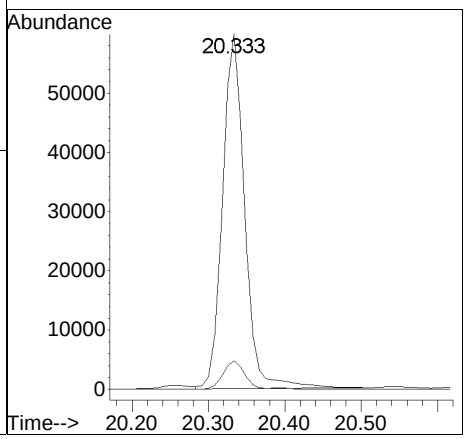




#116
naphthalene
Concen: 0.62 ppbV
RT: 20.333 min Scan# 2436
Delta R.T. -0.008 min
Lab File: r330600.D
Acq: 25 Apr 2024 1:13 AM

Tgt Ion:128 Resp: 120504

Ion	Ratio	Lower	Upper
128	100		
102	8.0	6.3	9.5

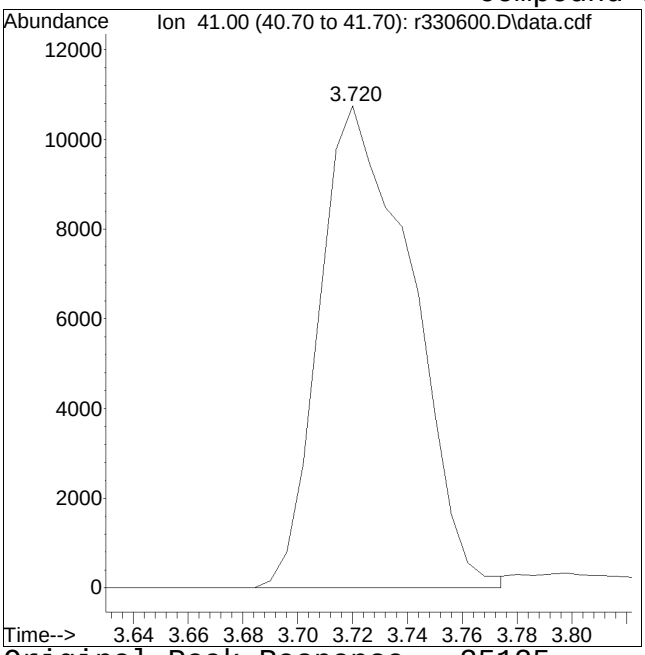


Manual Integration Report

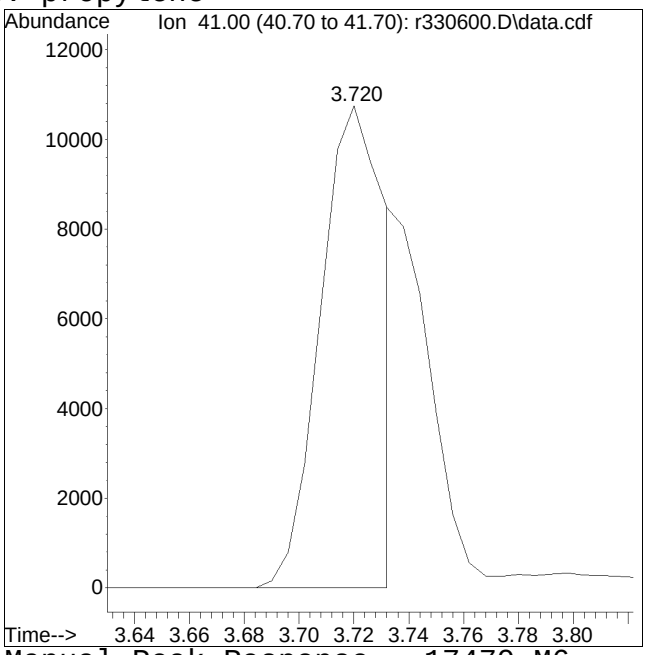
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330600.D
Date Inj'd : 4/25/2020 0:1: 3
Sample : WG1912849-5,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:KJD
Instrument :
Quant Date : 4/25/2024 7:32 am

Compound #3: propylene



Original Peak Response = 25125



Manual Peak Response = 17470 M6

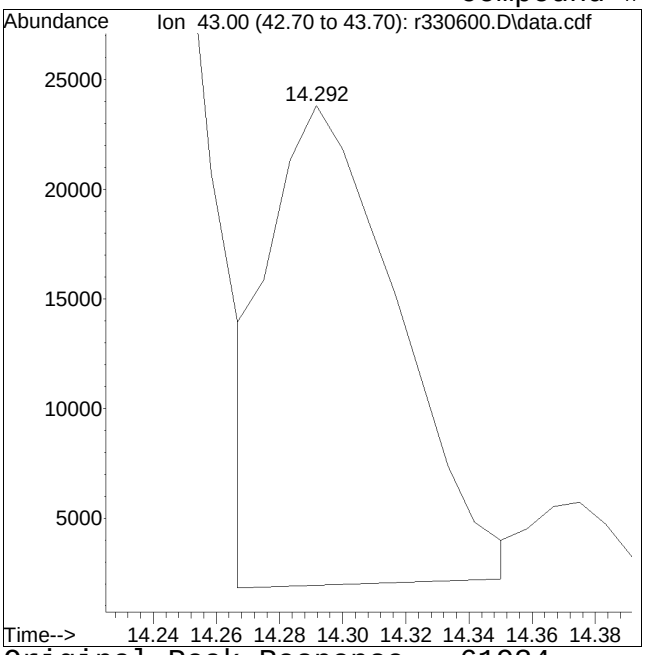
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

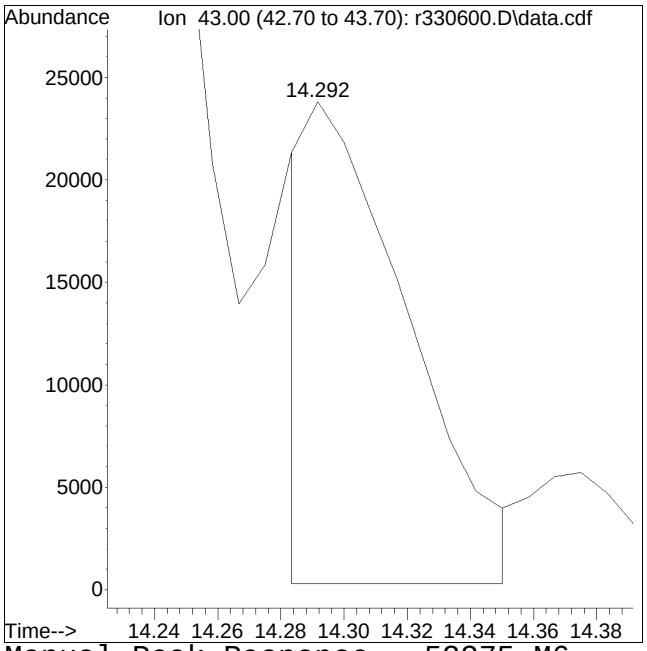
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330600.D
Date Inj'd : 4/25/2020 0:1: 3
Sample : WG1912849-5,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:KJD
Instrument :
Quant Date : 4/25/2024 7:32 am

Compound #72: 2-hexanone



Original Peak Response = 61934



Manual Peak Response = 52275 M6

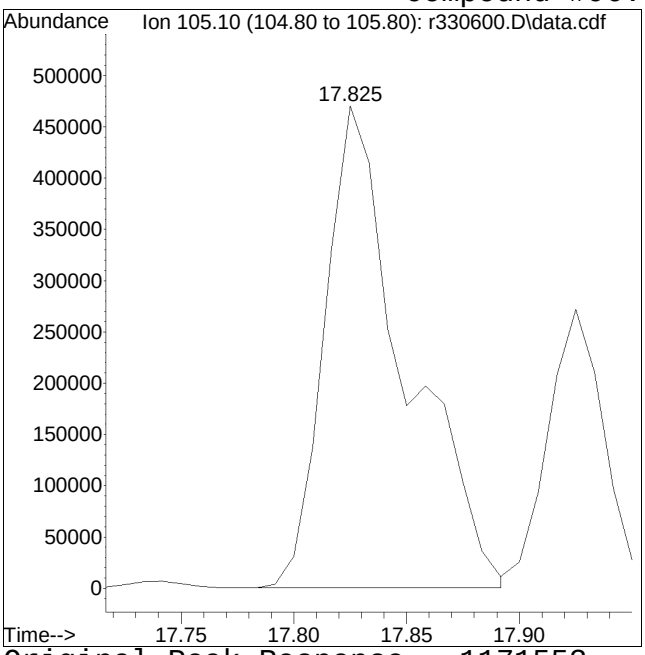
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

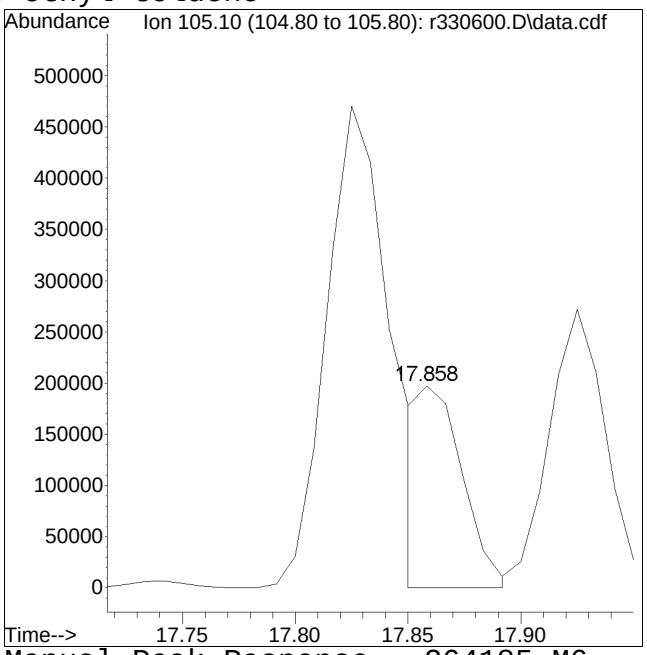
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330600.D
Date Inj'd : 4/25/2020 0:1: 3
Sample : WG1912849-5,3,250,250

Method : TFS3_240401.M
Operator : AIRPIANO3:KJD
Instrument :
Quant Date : 4/25/2024 7:32 am

Compound #96: 4-ethyl toluene



Original Peak Response = 1171553



Manual Peak Response = 264185 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Calculation of Volatile Organic Compounds in Air

The instrument will calculate the concentration (ppbv). If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

Result, ppbv = C_s x DF
Where:
C_s = Concentration of sample (ppbv)
DF = Dilution Factor

Calculation of Instrument Dilution Factor

For dilutions, smaller sample volumes (< 250mL) are analyzed. The smallest volume that can be analyzed with accuracy is 10 mL.

Samples that arrive at the laboratory with pressures below -15 inches Hg must be pressurized with zero air to greater than -15 inches Hg. This pressurization results in a dilution factor.

Calculation of Dilution Factor
$DF = V_{cf} / V_{ci}$
Where:
V_{ci} = volume of air in canister prior to pressurization, L
P =

Conversion of ppbv to ug/m^3
ug/m^3 = (ppbv) * MW / 24.47
Where:
24.47 = molar gas constant (g/g-mole)
MW = molecular weight of the compound of interest

Dilution Factor for Pressurization of Subatmospheric Samples: Three Steps

Step 1: Calculate the volume in the canister prior to pressurization (Assume a 2.7 liter canister is used).

Dilution Factor for Pressurization of Subatmospheric Samples: Three Steps

Step 1: Calculate the volume in the canister prior to pressurization (Assume a 2.7 liter canister is used).

$V_{ci} = 2.7 * Pl/14.696$

Step 2: Calculate the volume in the canister after pressurization.

$V_{cf} = 2.7 * PF/14.696$

Step 3: Calculate the dilution factor.

$DF = V_{cf} / V_{ci}$

Where:

V_{ci} = volume of air in canister prior to pressurization, L
PI = pressure reading of canister prior to pressurization (psia)
V_{cf} = volume of air in canister after pressurization, L
PF = pressure reading of canister after pressurization (psia)
DF = dilution factor
14.696 = atmospheric pressure (psia)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Apr 25 2024, 04:47 pm

Work Group: WG1912266 for Department: 3 GC/MS

Created: 23-APR-24 Due: Operator: BJB

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2419731-01	IA-1	S	TO15-LL	AIR	DONE	U	0510	0425	S0	Can-6
L2419731-02	IA-2	S	TO15-LL	AIR	DONE	U	0510	0425	S0	Can-6
L2419731-03	IA-3	S	TO15-LL	AIR	DONE	U	0510	0425	S0	Can-6
L2419731-04	IA-4	S	TO15-LL	AIR	DONE	U	0510	0425	S0	Can-6
L2419731-05	IA-5	S	TO15-LL	AIR	DONE	U	0510	0425	S0	Can-6
L2419731-06	IA-6	S	TO15-LL	AIR	DONE	U	0510	0425	S0	Can-6
L2419731-07	AA-7	S	TO15-LL	AIR	DONE	U	0510	0425	S0	Can-6
L2419731-08	AA-8	S	TO15-LL	AIR	DONE	U	0510	0425	S0	Can-6
L2420935-01	VOLATILES IN GAS CYLINDER (A)	S	TO15-LL	AIR	DONE	U	0517	0424	NC	Can-6
L2421038-01	EP-01_20240417	S	TO15-LL	SOIL_VAPOR	DONE	U	0517	0424	S0	Can-2.7
L2421038-02	EP-02_20240417	S	TO15-LL	SOIL_VAPOR	DONE	U	0517	0424	S0	Can-2.7
L2421038-03	DP-1_20240417	S	TO15-LL	SOIL_VAPOR	DONE	U	0517	0424	S0	Can-2.7
L2421038-04	DP-2_20240417	S	TO15-LL	SOIL_VAPOR	DONE	U	0517	0424	S0	Can-2.7
L2421038-05	INFLUENT_20240417	S	TO15-LL	SOIL_VAPOR	DONE	U	0517	0424	S0	Can-2.7
L2422011-01	SV-1	S	TO15-LL	SOIL_VAPOR	DONE	U	0522	0424	3B	Can-2.7
L2422011-02	SV-2	S	TO15-LL	SOIL_VAPOR	DONE	U	0522	0424	3B	Can-2.7
L2422011-03	SV-3	S	TO15-LL	SOIL_VAPOR	DONE	U	0522	0424	3B	Can-2.7
WG1912266-1	MS BFB Tune Standard	S	TO15-LL	AIR	DONE	U				
WG1912266-1	MS BFB Tune Standard	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG1912266-2	Continuing Calibrati	S	TO15-LL	AIR	DONE	U				
WG1912266-2	Continuing Calibrati	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG1912266-3	Laboratory Control S	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG1912266-3	Laboratory Control S	S	TO15-LL	AIR	DONE	U				
WG1912266-4	Laboratory Method Bl	S	TO15-LL	AIR	DONE	U				
WG1912266-4	Laboratory Method Bl	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG1912266-5	Duplicate Sample	S	TO15-LL	AIR	DONE	U				
WG1912266-5	Duplicate Sample	S	TO15-LL	SOIL_VAPOR	DONE	U				

Comments:

WG1912266-5 L2419731-05

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Apr 25 2024, 04:47 pm

Work Group: WG1912849 for Department: 3 GC/MS

Created: 24-APR-24 Due: Operator: JMB

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2419731-09	SSG-1	S	TO15-LL	SOIL_VAPOR	DONE	U	0510	0425	S0	Can-6
L2419731-10	SSG-2	S	TO15-LL	SOIL_VAPOR	DONE	U	0510	0425	S0	Can-6
L2419731-11	SSG-3	S	TO15-LL	SOIL_VAPOR	DONE	U	0510	0425	S0	Can-6
L2419731-12	SSG-4	S	TO15-LL	SOIL_VAPOR	DONE	U	0510	0425	S0	Can-6
L2419731-13	SSG-5	S	TO15-LL	SOIL_VAPOR	DONE	U	0510	0425	S0	Can-6
L2419731-14	SSG-6	S	TO15-LL	SOIL_VAPOR	DONE	U	0510	0425	S0	Can-6
L2419731-15	SSG-7	S	TO15-LL	SOIL_VAPOR	DONE	U	0510	0425	S0	Can-6
L2419731-16	SSG-8	S	TO15-LL	SOIL_VAPOR	DONE	U	0510	0425	S0	Can-6
L2419797-01	SVP-1	S	TO15-LL	SOIL_VAPOR	DONE	U	0510	0425	S0	Can-2.7
L2419848-01	SS-1 (SUB SLAB 1)	S	TO15-LL	SOIL_VAPOR	SEC	U	0510	0425	S0	Can-6
L2419848-03	SS-2	S	TO15-LL	SOIL_VAPOR	SEC	U	0510	0425	S0	Can-6
L2421501-01	ESV03_041824	S	TO15-LL	SOIL_VAPOR	DONE	U	0518	0425	S0	Can-2.7
L2422332-01	SV-1	S	TO15-LL	SOIL_VAPOR	DONE	U	0523	0425	3B	Can-2.7
WG1912849-1	MS BFB Tune Standard	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG1912849-2	Continuing Calibrati	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG1912849-3	Laboratory Control S	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG1912849-4	Laboratory Method Bl	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG1912849-5	Duplicate Sample	S	TO15-LL	SOIL_VAPOR	DONE	U				

Comments:

WG1912849-5 L2419797-01

Instrument ID: AIRPIANO3

Internal Standard/Surrogate IDs: SS23-027/ SS23-018

Date: 04/01/24

Internal Standard/Surrogate Volume: 100 ml

Analyst Initials: JMB/BJB

Sequence File Name: 240401.S

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)	Product/ Sublist	ck Pass ? Y/N
1	BA3033001	TO15_SFS.qgm	R330085.qgd	250 mL			NA
1	BA3033002	TO15_SFS.qgm	R330086.qgd	250 mL			NA
1	BA3033003	TO15_SFS.qgm	R330087.qgd	250 mL			NA
1	TA3033001	TO15_SFS.qgm	R330088.qgd	250 mL	TUNE		NA
5	ITO15-SIMSTD0.02	TO15_SFS.qgm	R330089.qgd	50 mL SS24-006D	GC ERROR	DO NOT USE	NA
5	ITO15-SIMSTD0.02	TO15_SFS.qgm	R330090.qgd	50 mL SS24-006D	SIM ONLY	DEF	NA
5	ITO15-SIMSTD0.05	TO15_SFS.qgm	R330091.qgd	125 mL SS24-006D	SIM ONLY	DEF	NA
5	ITO15-SIMSTD0.1	TO15_SFS.qgm	R330092.qgd	250 mL SS24-006D	SIM ONLY	DEF	NA
6	ITO15-SIMSTD0.2	TO15_SFS.qgm	R330093.qgd	50 mLSS24-006C		DEF	NA
6	ITO15-SIMSTD0.5	TO15_SFS.qgm	R330094.qgd	125 mLSS24-006C		DEF	NA
6	ITO15-SIMSTD1.0	TO15_SFS.qgm	R330095.qgd	250 mLSS24-006C		DEF	NA
7	ITO15-SIMSTD5.0	TO15_SFS.qgm	R330096.qgd	125 mL SS24-006B		DEF	NA
7	ITO15-SIMSTD010	TO15_SFS.qgm	R330097.qgd	250 mL SS24-006B		DEF	NA
8	ITO15-SIMSTD020	TO15_SFS.qgm	R330098.qgd	50 mL SS24-006A		DEF	NA
8	ITO15-SIMSTD050	TO15_SFS.qgm	R330099.qgd	125 mLSS24-006A		DEF	NA
8	ITO15-LLSTD100	TO15_SFS.qgm	R330100.qgd	250 mL SS24-006A	LL ONLY	DEF	NA
1	BA3033001	TO15_SFS.qgm	R330101.qgd	250 mL			NA

1	BA3033002	TO15_SFS.qgm	R330102.qgd	250 mL		USED AS BFB	NA
2	CTO15-LLSTD010	TO15_SFS.qgm	R330103.qgd	250 mL SS24-011A		DEF-ICV-AP2	NA
2	CTO15-SIMSTD5.0	TO15_SFS.qgm	R330104.qgd	125 mL SS24-011A		DEF-ICV-AP2	NA

Column ID: Rtx-1 0.25 mm ID

Date(s) of Initial Calibration: Refer to Initial Calibration Summary Form 6

Date Acquired: see Instrument Performance Check Summary and/or quantitation report.

Sample ID information: { Lab sample ID, dept #, actual volume analyzed (mL), nominal volume analyzed (mL) }
L1301234-01,3,250,250

Dilution Factor: See Form 1 report, or divide nominal volume by actual volume analyzed

Instrument ID: AIRPIANO3

Internal Standard/Surrogate IDs: SS23-027/ SS23-018

Date: 04/23/24

Internal Standard/Surrogate Volume: 100 ml

Analyst Initials: BJB

Sequence File Name: 240423.S

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)	Product/ Sublist	Check Pass ? Y/N
1	TA3042301	TO15_SFS.qgm	R330558.qgd	250 mL SS24-006E	DO NOT USE		NA
1	TA3042301	TO15_SFS.qgm	R330559.qgd	250 mL SS24-006E	TUNE		NA
1	CA3042301	TO15_SFS.qgm	R330560.qgd	250 mL SS24-006E	LL CC		NA
4	CTO15-LLTD10	TO15_SFS.qgm	R330561.qgd	125 mL SS24-011D	LL LCS		NA
4	CTO15-SIMTD10	TO15_SFS.qgm	R330562.qgd	125 mL SS24-011D	SIM LCS		NA
1	BA3042301	TO15_SFS.qgm	R330563.qgd	250 mL	LL BLANK		NA
1	BA3042302	TO15_SFS.qgm	R330564.qgd	250 mL	SIM BLANK		Y
2	L2419731-07,3,250,250	TO15_SFS.qgm	R330565.qgd	WG1912266,ICAL21001		NY+NAPH – 7 SIM	Y
3	L2419731-08,3,250,250	TO15_SFS.qgm	R330566.qgd	WG1912266,ICAL21001		NY+NAPH – 7 SIM	Y
4	L2419731-01,3,250,250	TO15_SFS.qgm	R330567.qgd	WG1912266,ICAL21001		NY+NAPH – 7 SIM	Y
5	L2419731-02,3,250,250	TO15_SFS.qgm	R330568.qgd	WG1912266,ICAL21001		NY+NAPH – 7 SIM	Y
6	L2419731-03,3,250,250	TO15_SFS.qgm	R330569.qgd	WG1912266,ICAL21001		NY+NAPH – 7 SIM	Y
7	L2419731-04,3,250,250	TO15_SFS.qgm	R330570.qgd	WG1912266,ICAL21001		NY+NAPH – 7 SIM	Y
8	L2419731-05,3,250,250	TO15_SFS.qgm	R330571.qgd	WG1912266,ICAL21001		NY+NAPH – 7 SIM	Y
8	L2419731-05DUP,3,250,250	TO15_SFS.qgm	R330572.qgd	WG1912266,ICAL21001	LL/SIM DUP	NY+NAPH – 7 SIM	Y
9	L2419731-06,3,250,250	TO15_SFS.qgm	R330573.qgd	WG1912266,ICAL21001		NY+NAPH – 7 SIM	Y
10	L2421038-01,3,250,250	TO15_SFS.qgm	R330574.qgd	WG1912266,ICAL21001		LEDVANCE	Y
11	L2421038-02,3,250,250	TO15_SFS.qgm	R330575.qgd	WG1912266,ICAL21001		LEDVANCE	Y

12	L2421038-03,3,250,250	TO15_SFS.qgm	R330576.qgd	WG1912266,ICAL21001		LEDVANCE	Y
13	L2421038-04,3,250,250	TO15_SFS.qgm	R330577.qgd	WG1912266,ICAL21001		LEDVANCE	Y
14	L2421038-05,3,250,250	TO15_SFS.qgm	R330578.qgd	WG1912266,ICAL21001		LEDVANCE	Y
15	L2422011-01,3,250,250	TO15_SFS.qgm	R330579.qgd	WG1912266,ICAL21001		NY+NAPH	Y
16	L2420935-01,3,250,250	TO15_SFS.qgm	R330580.qgd	WG1912266,ICAL21001	ALSO L2420935-02 BY SIM	ACETONE BY LL/ TOL, ACETONE BY SIM	Y
1	L2422011-02,3,250,250	TO15_SFS.qgm	R330581.qgd	WG1912266,ICAL21001		NY+NAPH	Y
2	L2422011-03D,3,125,250	TO15_SFS.qgm	R330582.qgd	WG1912266,ICAL21001	T	NY+NAPH	Y

Column ID: Rtx-1 0.25 mm ID

Date(s) of Initial Calibration: Refer to Initial Calibration Summary Form 6

Date Acquired: see Instrument Performance Check Summary and/or quantitation report.

Sample ID information: L1301234-01,3,250,250 { Lab sample ID, dept #, actual volume analyzed (mL), nominal volume

Dilution Factor: See Form 1 report, or divide nominal volume by actual volume analyzed

Instrument ID: AIRPIANO3

Internal Standard/Surrogate IDs: SS23-027/ SS23-018

Date: 04/24/24

Internal Standard/Surrogate Volume: 100 ml

Analyst Initials: JMB

Sequence File Name: 240424.S

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)	Product/ Sublist	Check Pass ? Y/N
1	TA3042301	TO15_SFS.qgm	R330583.qgd	250 mL	TUNE		NA
2	CA3042301	TO15_SFS.qgm	R330584.qgd	250 mL SS24-012D	LL CC		NA
3	APH-10STD10	TO15_SFS.qgm	R330585.qgd	125 mL SS24-012J	APH CC		NA
3	CTO15-LLTD10	TO15_SFS.qgm	R330586.qgd	125 mL SS24-012J	LL LCS		NA
3	CTO15-SIMTD10	TO15_SFS.qgm	R330587.qgd	125 mL SS24-012J	SIM LCS		NA
1	BA3042301	TO15_SFS.qgm	R330588.qgd	250 mL	LL BLANK		NA
1	BA3042302	TO15_SFS.qgm	R330589.qgd	250 mL	SIM BLANK		NA
1	L2419809-05,3,250,250	TO15_SFS.qgm	R330590.qgd	WG1912851,ICAL21006		APH+MCPSIM	Y
2	L2419809-01,3,250,250	TO15_SFS.qgm	R330591.qgd	WG1912851,ICAL21006		APH+MCPSIM	Y
3	L2419809-02,3,250,250	TO15_SFS.qgm	R330592.qgd	WG1912851,ICAL21006		APH+MCPSIM	Y
4	L2419809-03,3,250,250	TO15_SFS.qgm	R330593.qgd	WG1912851,ICAL21006		APH+MCPSIM	Y
5	L2419809-04,3,250,250	TO15_SFS.qgm	R330594.qgd	WG1912851,ICAL21006		APH+MCPSIM	Y
6	L2419848-01,3,250,250	TO15_SFS.qgm	R330595.qgd	WG1912849,ICAL21001		NY+NAPH	Y
7	L2419848-03,3,250,250	TO15_SFS.qgm	R330596.qgd	WG1912849,ICAL21001		NY+NAPH	Y
8	L2419848-05,3,250,250	TO15_SFS.qgm	R330597.qgd	WG1912849,ICAL21001	ETOH OVERCAL	NY+NAPH	Y
9	L2422332-01,3,250,250	TO15_SFS.qgm	R330598.qgd	WG1912849,ICAL21001		NY+NAPH	Y
10	L2419797-01,3,250,250	TO15_SFS.qgm	R330599.qgd	WG1912849,ICAL21001		APH+STD+NAPH	Y

75

10	L2419797-01DUP,3,250,250	TO15_SFS.qgm	R330600.qgd	WG1912849,ICAL21001	(DUMMY) APH+LL DUP	APH+STD+NAPH	Y
11	L2421501-01,3,250,250	TO15_SFS.qgm	R330601.qgd	WG1912849,ICAL21001		NY+NAPH	Y
12	L2419731-09D,3,3.44,250	TO15_SFS.qgm	R330602.qgd	WG1912849,ICAL21001	T	NY+NAPH	Y
13	L2419731-10,3,250,250	TO15_SFS.qgm	R330603.qgd	WG1912849,ICAL21001		NY+NAPH	Y
14	L2419731-11,3,250,250	TO15_SFS.qgm	R330604.qgd	WG1912849,ICAL21001		NY+NAPH	Y
15	L2419731-12,3,250,250	TO15_SFS.qgm	R330605.qgd	WG1912849,ICAL21001		NY+NAPH	Y
16	L2419731-13,3,250,250	TO15_SFS.qgm	R330606.qgd	WG1912849,ICAL21001		NY+NAPH	Y
1	L2419731-14D,3,18.1,250	TO15_SFS.qgm	R330607.qgd	WG1912849,ICAL21001	T	NY+NAPH	Y
2	L2419731-15,3,250,250	TO15_SFS.qgm	R330608.qgd	WG1912849,ICAL21001		NY+NAPH	Y
3	L2419731-16,3,250,250	TO15_SFS.qgm	R330609.qgd	WG1912849,ICAL21001		NY+NAPH	Y

Column ID: Rtx-1 0.25 mm ID

Date(s) of Initial Calibration: Refer to Initial Calibration Summary Form 6

Date Acquired: see Instrument Performance Check Summary and/or quantitation report.

Sample ID information: L1301234-01,3,250,250 { Lab sample ID, dept #, actual volume analyzed (mL), nominal volume

Dilution Factor: See Form 1 report, or divide nominal volume by actual volume analyzed

Alpha Analytical, Inc.
Canister Dilution Worksheet

	NJDEP Required Information							Pressurization Dilution				Can Dilution				Instrument Dilution					
Sample ID	Can size, L	P_1, in Hg	P_1, atm	V_1, L	P_2, in Hg	P_2, atm	V_2, L	P_1, psia	P_2, psia	Dilution factor	Gas Used*	Volume injected, mL	Final Pressure, psia	Volume of Dilution Gas in Can, L	Can dilution factor	Volume of Bag or Can Analyzed, mL	Instrument Dilution Factor	Final Dilution Factor **	Final Volume Injected, mL ***	Analyst Initials	
L2419731-09D	6.0	-2.39	0.92	5.52	30.06	2.00	12.02	13.5	29.4	2.18	N2	100	29.4	2.00	20.04	150	1.67	72.74	3.44	BJB	
L2419731-14D	6.0	-2.80	0.91	5.44	30.06	2.00	12.02	13.3	29.4	2.21	N2	1000	14.7	1.00	1.00	40	6.25	13.82	18.10	BJB	

Barcode	SAMPLE ID SCANS
	I2419731-09a
	I2419731-14a

GC/MS VOA
Air Analysis
Selective Ion Monitoring

Volatiles QC Summary

Lab Duplicate Sample Summary
Form 3
Air Volatiles

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Client Sample ID	: IA-5	**Matrix (Level)**	: AIR (LOW)
Lab Sample ID	: L2419731-05	**Analysis Date**	: 04/23/24 23:09
Lab File ID	: R330571_EV2	**DUP File ID**	: r330572_Ev2
Dup Sample ID	: WG1912267-5	**DUP Analysis Date**	: 04/23/24 23:50

Parameter	Sample Concentration (ppbV)	Duplicate Concentration (ppbV)	RPD	RPD Limit
Vinyl chloride	ND	ND	NC	25
1,1-Dichloroethene	ND	ND	NC	25
cis-1,2-Dichloroethene	ND	ND	NC	25
1,1,1-Trichloroethane	0.136	0.139	2	25
Carbon tetrachloride	0.079	0.084	6	25
Trichloroethene	0.027	0.025	8	25
Tetrachloroethene	0.166	0.166	0	25

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG1912267-3	**Analysis Date** : 04/23/24 14:25	**File ID** : r330562_Ev2
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ppbV)	Found (ppbV)	%R	True (ppbV)	Found (ppbV)	%R	RPD	Recovery Limits	RPD Limit
Vinyl chloride	5	4.41	88				-	70-130	25
1,1-Dichloroethene	5	4.78	96				-	70-130	25
cis-1,2-Dichloroethene	5	4.98	100				-	70-130	25
1,1,1-Trichloroethane	5	5.22	104				-	70-130	25
Carbon tetrachloride	5	4.73	95				-	70-130	25
Trichloroethene	5	5.54	111				-	70-130	25
Tetrachloroethene	5	4.32	86				-	70-130	25

Method Blank Summary
Form 4
Air Volatiles

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab Sample ID	: WG1912267-4	**Lab File ID**	: r330564_Ev2
Instrument ID	: AIRPIANO3		
Matrix	: AIR	**Analysis Date**	: 04/23/24 18:27

Client Sample No.	Lab Sample ID	Analysis Date
WG1912267-3LCS	WG1912267-3	04/23/24 14:25
AA-7	L2419731-07	04/23/24 19:07
AA-8	L2419731-08	04/23/24 19:48
IA-1	L2419731-01	04/23/24 20:28
IA-2	L2419731-02	04/23/24 21:08
IA-3	L2419731-03	04/23/24 21:48
IA-4	L2419731-04	04/23/24 22:28
IA-5	L2419731-05	04/23/24 23:09
IA-5DUP	WG1912267-5	04/23/24 23:50
IA-6	L2419731-06	04/24/24 00:30

Instrument Performance Check (Tune) Summary
Form 5
Air Volatiles
Bromofluorobenzene (BFB)

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Instrument ID	: AIRPIANO3	**Analysis Date**	: 04/01/24 17:43
Tune Standard	: WG1904457-1	**Tune File ID**	: R330088_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	12.4
75	30.0 - 66.0% of mass 95	39.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (.9)1
174	50.0 - 120.0% of mass 95	72.8
175	4.0 - 9.0% of mass 174	5.3 (7.3)1
176	93.0 - 101% of mass 174	71.1 (97.7)1
177	5.0 - 9.0% of mass 176	4.6 (6.5)2

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

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.02	R1813073-1	R330090_EV2	04/01/24 19:36
STD0.05	R1813073-2	R330091_EV2	04/01/24 20:14
STD0.1	R1813073-3	R330092_EV2	04/01/24 20:54
STD0.2	R1813073-4	R330093_EV2	04/02/24 04:58
STD0.5	R1813073-5	R330094_EV2	04/02/24 05:39
STD1.0	R1813073-6	R330095_EV2	04/02/24 06:21
STD5.0	R1813073-7	R330096_EV2	04/02/24 07:02
STD010	R1813073-8	R330097_EV2	04/02/24 07:44
STD020	R1813073-9	R330098_EV2	04/02/24 08:23
STD050	R1813073-10	R330099_EV2	04/02/24 09:04
ICV QUANT	R1813073-11	R330104_EV2	04/02/24 13:49

Instrument Performance Check (Tune) Summary
Form 5
Air Volatiles
Bromofluorobenzene (BFB)

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Instrument ID	: AIRPIANO3	**Analysis Date**	: 04/23/24 13:01
Tune Standard	: WG1912267-1	**Tune File ID**	: r330560_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	12.4
75	30.0 - 66.0% of mass 95	34.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.5 (.6)1
174	50.0 - 120.0% of mass 95	73.3
175	4.0 - 9.0% of mass 174	5.2 (7.1)1
176	93.0 - 101% of mass 174	72.1 (98.4)1
177	5.0 - 9.0% of mass 176	4.8 (6.6)2

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

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1912267-2CCAL	WG1912267-2	R330562_EV2	04/23/24 14:25
WG1912267-3LCS	WG1912267-3	R330562_EV2	04/23/24 14:25
WG1912267-4BLANK	WG1912267-4	R330564_EV2	04/23/24 18:27
AA-7	L2419731-07	R330565_EV2	04/23/24 19:07
AA-8	L2419731-08	R330566_EV2	04/23/24 19:48
IA-1	L2419731-01	R330567_EV2	04/23/24 20:28
IA-2	L2419731-02	R330568_EV2	04/23/24 21:08
IA-3	L2419731-03	R330569_EV2	04/23/24 21:48
IA-4	L2419731-04	R330570_EV2	04/23/24 22:28
IA-5	L2419731-05	R330571_EV2	04/23/24 23:09
WG1912267-5DUP	WG1912267-5	R330572_EV2	04/23/24 23:50
IA-6	L2419731-06	R330573_EV2	04/24/24 00:30

Internal Standard Area and RT Summary
Form 8a
Air Volatiles

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Instrument ID	: AIRPIANO3	**Analysis Date**	: 04/23/24 14:25:00
Sample No	: WG1912267-2	**Lab File ID**	: R330562_EV2

	Bromochloromethane		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
WG1912267-2	219314	8.81	710078	11.05	103793	15.80
Upper Limit	307040	9.14	994109	11.38	145310	16.13
Lower Limit	131588	8.48	426047	10.72	62276	15.47
Sample ID						
WG1912267-3 LCS	219314	8.81	710078	11.05	103793	15.80
WG1912267-4 BLANK	214184	8.82	692238	11.05	99320	15.81
AA-7	214580	8.82	687031	11.05	101359	15.81
AA-8	218408	8.81	704460	11.05	103206	15.81
IA-1	221170	8.81	716466	11.05	104118	15.81
IA-2	219851	8.82	707117	11.05	105184	15.81
IA-3	219143	8.81	714774	11.05	106828	15.81
IA-4	215670	8.82	705609	11.05	104434	15.81
IA-5	214456	8.81	698538	11.05	104832	15.81
IA-5 DUP	211771	8.82	685279	11.05	104076	15.81
IA-6	212214	8.82	692526	11.05	106210	15.81

Area Upper Limit = +40% of internal standard area
Area Lower Limit = - 40% of internal standard area

RT Upper Limit = +0.33 minutes of internal standard RT
RT Lower Limit = -0.33 minutes of internal standard RT

* Values outside of QC limits

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File: PM15856-1
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Volatile Organics in Air by TO-15 SIM (AIR)

Holding Time: 30 days
Container/Sample Preservation: 1 - Canister - 2.7 Liter

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,1,1-Trichloroethane	71-55-6	0.02	0.0059	ppbV	70-130	25		25	25			
1,1,1,2-Tetrachloroethane	630-20-6	0.02	0.01	ppbV	70-130	25		25	25			
1,1,2,2-Tetrachloroethane	79-34-5	0.02	0.0067	ppbV	70-130	25		25	25			
1,1,2-Trichloroethane	79-00-5	0.02	0.0097	ppbV	70-130	25		25	25			
1,1-Dichloroethane	75-34-3	0.02	0.0086	ppbV	70-130	25		25	25			
1,1-Dichloroethene	75-35-4	0.02	0.0077	ppbV	70-130	25		25	25			
1,2,3-Trichloropropane	96-18-4	0.02	0.0073	ppbV	70-130	25		25	25			
1,2,4-Trimethylbenzene	95-63-6	0.02	0.0076	ppbV	70-130	25		25	25			
1,2-Dibromoethane	106-93-4	0.02	0.0091	ppbV	70-130	25		25	25			
1,2-Dibromo-3-chloropropane	96-12-8	0.02	0.0124	ppbV	70-130	25		25	25			
1,2-Dichlorobenzene	95-50-1	0.02	0.0062	ppbV	70-130	25		25	25			
1,2-Dichloroethane	107-06-2	0.02	0.0083	ppbV	70-130	25		25	25			
1,2-Dichloropropane	78-87-5	0.02	0.0083	ppbV	70-130	25		25	25			
1,3,5-Trimethylbenzene	108-67-8	0.02	0.0096	ppbV	70-130	25		25	25			
1,3-Butadiene	106-99-0	0.02	0.0106	ppbV	70-130	25		25	25			
1,3-Dichlorobenzene	541-73-1	0.02	0.0077	ppbV	70-130	25		25	25			
1,4-Dichlorobenzene	106-46-7	0.02	0.0075	ppbV	70-130	25		25	25			
1,4-Dioxane	123-91-1	0.1	0.0344	ppbV	70-130	25		25	25			
1-Bromo-2-Chloroethane	107-04-0	0.02	0.0102	ppbV	70-130	25		25	25			
1-Bromo-3-Fluorobenzene	1073-06-9	0.02	0.0065	ppbV	70-130	25		25	25			
1-Bromo-4-Ethylbenzene	1585-07-5	0.05	0.004	ppbV	70-130	25		25	25			
2,2,4-Trimethylpentane	540-84-1	0.2	0.037	ppbV	70-130	25		25	25			
2-Bromopyridine	109-04-6	0.5	0.0161	ppbV	30-150	25		25	25			
2-Hexanone	591-78-6	0.2	0.0354	ppbV	70-130	25		25	25			
3,4-Dichlorobenzotrifluoride	328-84-7	0.02	0.0024	ppbV	70-130	25		25	25			
3-Amino-4-Chlorobenzotrifluoride	121-50-6	1.25	0.0178	ppbV	30-150	25		25	25			
3-Chloropropene	107-05-1	0.2	0.0327	ppbV	70-130	25		25	25			
3-Nitro-4-Chlorobenzotrifluoride	121-17-5	2.5	0.129	ppbV	30-150	25		25	25			
4-Bromofluorobenzene	460-00-4	0.2	0.0094	ppbV	70-130	25		25	25			
4-Chlorobenzotrifluoride	98-56-6	0.02	0.006	ppbV	70-130	25		25	25			
4-Ethyltoluene	622-96-8	0.02	0.0099	ppbV	70-130	25		25	25			
Benzene	71-43-2	0.1	0.0298	ppbV	70-130	25		25	25			
Benzyl chloride	100-44-7	0.1	0.0332	ppbV	70-130	25		25	25			
Bromobenzene	108-86-1	0.2	0.0262	ppbV	70-130	25		25	25			
Bromodichloromethane	75-27-4	0.02	0.0074	ppbV	70-130	25		25	25			
Bromoform	75-25-2	0.02	0.0111	ppbV	70-130	25		25	25			
Bromomethane	74-83-9	0.02	0.0094	ppbV	70-130	25		25	25			
Carbon disulfide	75-15-0	0.2	0.0316	ppbV	70-130	25		25	25			
Carbon tetrachloride	56-23-5	0.02	0.011	ppbV	70-130	25		25	25			
Chlorobenzene	108-90-7	0.1	0.0258	ppbV	70-130	25		25	25			
Chloroethane	75-00-3	0.1	0.0395	ppbV	70-130	25		25	25			
Chloroform	67-66-3	0.02	0.0071	ppbV	70-130	25		25	25			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics in Air by TO-15 SIM (AIR)

Holding Time: 30 days
Container/Sample Preservation: 1 - Canister - 2.7 Liter

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Chloromethane	74-87-3	0.2	0.0756	ppbV	70-130	25		25	25			
cis-1,2-Dichloroethene	156-59-2	0.02	0.0102	ppbV	70-130	25		25	25			
trans-1,2-Dichloroethene	156-60-5	0.02	0.009	ppbV	70-130	25		25	25			
1,2-Dichloroethene (total)	540-59-0	0.02	0.009	ppbV				25	25			
cis-1,3-Dichloropropene	10061-01-5	0.02	0.0118	ppbV	70-130	25		25	25			
1,3-Dichloropropene, Total	542-75-6	0.02	0.0115	ppbV				25	25			
Cyclohexane	110-82-7	0.2	0.0313	ppbV	70-130	25		25	25			
Dibromochloromethane	124-48-1	0.02	0.008	ppbV	70-130	25		25	25			
Dibromomethane	74-95-3	0.2	0.0251	ppbV	70-130	25		25	25			
Dichlorodifluoromethane	75-71-8	0.2	0.0499	ppbV	70-130	25		25	25			
Ethyl Alcohol	GCDAI06	5	1.35	ppbV	40-160	25		25	25			
Ethyl Acetate	141-78-6	0.5	0.323	ppbV	70-130	25		25	25			
Ethylbenzene	100-41-4	0.02	0.0085	ppbV	70-130	25		25	25			
Fluorobenzene	462-06-6	0.05	0.009	ppbV	70-130	25		25	25			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	0.05	0.0083	ppbV	70-130	25		25	25			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	76-14-2	0.05	0.0064	ppbV	70-130	25		25	25			
Methylcyclohexane	108-87-2	0.02	0.0051	ppbV	70-130	25		25	25			
Methylene chloride	75-09-2	0.5	0.11	ppbV	70-130	25		25	25			
Methyl tert butyl ether	1634-04-4	0.2	0.0261	ppbV	70-130	25		25	25			
m/p-Dibromobenzene	108-36-1/106-37-6	0.5	0.0137	ppbV	70-130	25		25	25			
Naphthalene	91-20-3	0.05	0.021	ppbV	70-130	25		25	25			
p/m-Xylene	179601-23-1	0.04	0.018	ppbV	70-130	25		25	25			
o-Xylene	95-47-6	0.02	0.0087	ppbV	70-130	25		25	25			
Heptane	142-82-5	0.2	0.0313	ppbV	70-130	25		25	25			
n-Hexane	110-54-3	0.2	0.0471	ppbV	70-130	25		25	25			
Propylene	115-07-1	0.5	0.167	ppbV	70-130	25		25	25			
Styrene	100-42-5	0.02	0.0079	ppbV	70-130	25		25	25			
tert-Butyl Alcohol	75-65-0	0.5	0.134	ppbV	70-130	25		25	25			
Tetrachloroethene	127-18-4	0.02	0.0074	ppbV	70-130	25		25	25			
Tetrahydrofuran	109-99-9	0.5	0.142	ppbV	70-130	25		25	25			
Toluene	108-88-3	0.1	0.0166	ppbV	70-130	25		25	25			
trans-1,3-Dichloropropene	10061-02-6	0.02	0.0115	ppbV	70-130	25		25	25			
Trichloroethene	79-01-6	0.02	0.006	ppbV	70-130	25		25	25			
1,2,4-Trichlorobenzene	120-82-1	0.05	0.0146	ppbV	70-130	25		25	25			
Trichlorofluoromethane	75-69-4	0.05	0.0092	ppbV	70-130	25		25	25			
Vinyl acetate	108-05-4	1	0.286	ppbV	70-130	25		25	25			
Vinyl bromide	593-60-2	0.2	0.0431	ppbV	70-130	25		25	25			
Hexachlorobutadiene	87-68-3	0.05	0.011	ppbV	70-130	25		25	25			
iso-Propyl Alcohol	67-63-0	0.5	0.249	ppbV	40-160	25		25	25			
Vinyl chloride	75-01-4	0.02	0.0088	ppbV	70-130	25		25	25			
Acrylonitrile	107-13-1	0.5	0.162	ppbV	70-130	25		25	25			
n-Butylbenzene	104-51-8	0.2	0.0319	ppbV	70-130	25		25	25			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 01/09/24
Created By: Jason Hebert
File: PM15856-1
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Volatile Organics in Air by TO-15 SIM (AIR)

Holding Time: 30 days
Container/Sample Preservation: 1 - Canister - 2.7 Liter

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
sec-Butylbenzene	135-98-8	0.2	0.0266	ppbV	70-130	25		25	25			
Isopropylbenzene	98-82-8	0.2	0.0299	ppbV	70-130	25		25	25			
Xylene (Total)	1330-20-7	0.02	0.0087	ppbV				25	25			
p-Isopropyltoluene	99-87-6	0.2	0.0366	ppbV	70-130	25		25	25			
Acetone	67-64-1	1	0.539	ppbV	40-160	25		25	25			
2-Butanone	78-93-3	0.5	0.132	ppbV	70-130	25		25	25			
4-Methyl-2-pentanone	108-10-1	0.5	0.191	ppbV	70-130	25		25	25			
1,2,3-Trichlorobenzene	87-61-6	0.05	0.0223	ppbV	70-130	25		25	25			
Acrolein	107-02-8	0.05	0.0387	ppbV	60-113	25		25	25			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
Bromofluorobenzene	*460-00-4*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: L2419731-01	**Date Collected**	: 04/10/24 15:09
Client ID	: IA-1	**Date Received**	: 04/11/24
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 04/23/24 20:28
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: JMB
Lab File ID	: R330567_EV2	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	0.023	0.020	--	0.091	0.079	--	
71-55-6	1,1,1-Trichloroethane	0.168	0.020	--	0.917	0.109	--	
56-23-5	Carbon tetrachloride	0.084	0.020	--	0.528	0.126	--	
79-01-6	Trichloroethene	0.027	0.020	--	0.145	0.107	--	
127-18-4	Tetrachloroethene	0.204	0.020	--	1.38	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: L2419731-02	**Date Collected**	: 04/10/24 15:01
Client ID	: IA-2	**Date Received**	: 04/11/24
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 04/23/24 21:08
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: JMB
Lab File ID	: R330568_EV2	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	0.020	0.020	--	0.079	0.079	--	
71-55-6	1,1,1-Trichloroethane	0.143	0.020	--	0.780	0.109	--	
56-23-5	Carbon tetrachloride	0.077	0.020	--	0.484	0.126	--	
79-01-6	Trichloroethene	0.031	0.020	--	0.167	0.107	--	
127-18-4	Tetrachloroethene	0.217	0.020	--	1.47	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: L2419731-03	**Date Collected**	: 04/10/24 14:58
Client ID	: IA-3	**Date Received**	: 04/11/24
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 04/23/24 21:48
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: JMB
Lab File ID	: R330569_EV2	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	0.126	0.020	--	0.687	0.109	--	
56-23-5	Carbon tetrachloride	0.081	0.020	--	0.510	0.126	--	
79-01-6	Trichloroethene	0.022	0.020	--	0.118	0.107	--	
127-18-4	Tetrachloroethene	0.137	0.020	--	0.929	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: L2419731-04	**Date Collected**	: 04/10/24 15:02
Client ID	: IA-4	**Date Received**	: 04/11/24
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 04/23/24 22:28
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: JMB
Lab File ID	: R330570_EV2	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	0.132	0.020	--	0.720	0.109	--	
56-23-5	Carbon tetrachloride	0.074	0.020	--	0.465	0.126	--	
79-01-6	Trichloroethene	0.021	0.020	--	0.113	0.107	--	
127-18-4	Tetrachloroethene	0.161	0.020	--	1.09	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: L2419731-05	**Date Collected**	: 04/10/24 15:05
Client ID	: IA-5	**Date Received**	: 04/11/24
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 04/23/24 23:09
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: JMB
Lab File ID	: R330571_EV2	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	0.136	0.020	--	0.742	0.109	--	
56-23-5	Carbon tetrachloride	0.079	0.020	--	0.497	0.126	--	
79-01-6	Trichloroethene	0.027	0.020	--	0.145	0.107	--	
127-18-4	Tetrachloroethene	0.166	0.020	--	1.13	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: L2419731-06	**Date Collected**	: 04/10/24 15:04
Client ID	: IA-6	**Date Received**	: 04/11/24
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 04/24/24 00:30
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: JMB
Lab File ID	: R330573_EV2	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	0.150	0.020	--	0.818	0.109	--	
56-23-5	Carbon tetrachloride	0.082	0.020	--	0.516	0.126	--	
79-01-6	Trichloroethene	0.028	0.020	--	0.150	0.107	--	
127-18-4	Tetrachloroethene	0.193	0.020	--	1.31	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: L2419731-07	**Date Collected**	: 04/10/24 14:59
Client ID	: AA-7	**Date Received**	: 04/11/24
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 04/23/24 19:07
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: JMB
Lab File ID	: R330565_EV2	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	0.069	0.020	--	0.376	0.109	--	
56-23-5	Carbon tetrachloride	0.074	0.020	--	0.465	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.099	0.020	--	0.671	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: L2419731-08	**Date Collected**	: 04/10/24 15:48
Client ID	: AA-8	**Date Received**	: 04/11/24
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 04/23/24 19:48
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: JMB
Lab File ID	: R330566_EV2	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	0.061	0.020	--	0.333	0.109	--	
56-23-5	Carbon tetrachloride	0.080	0.020	--	0.503	0.126	--	
79-01-6	Trichloroethene	0.020	0.020	--	0.107	0.107	--	
127-18-4	Tetrachloroethene	0.150	0.020	--	1.02	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: WG1912267-4	**Date Collected**	: NA
Client ID	: WG1912267-4BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 04/23/24 18:27
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: JMB
Lab File ID	: R330564_EV2	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	ND	0.020	--	ND	0.126	--	U
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	ND	0.020	--	ND	0.136	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001
Lab ID	: WG1912267-5	**Date Collected**	: 04/10/24 15:05
Client ID	: IA-5DUP	**Date Received**	: 04/11/24
Sample Location	:	**Date Analyzed**	: 04/23/24 23:50
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: JMB
Lab File ID	: R330572_EV2	**Instrument ID**	: AIRPIANO3
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	0.139	0.020	--	0.758	0.109	--	
56-23-5	Carbon tetrachloride	0.084	0.020	--	0.528	0.126	--	
79-01-6	Trichloroethene	0.025	0.020	--	0.134	0.107	--	
127-18-4	Tetrachloroethene	0.166	0.020	--	1.13	0.136	--	

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330565_Ev2.D
Acq On : 23 Apr 2024 7:07 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-07,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:28:28 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:11:14 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\r330562_Ev2.D
Sub List : 7-NY-SIM - .

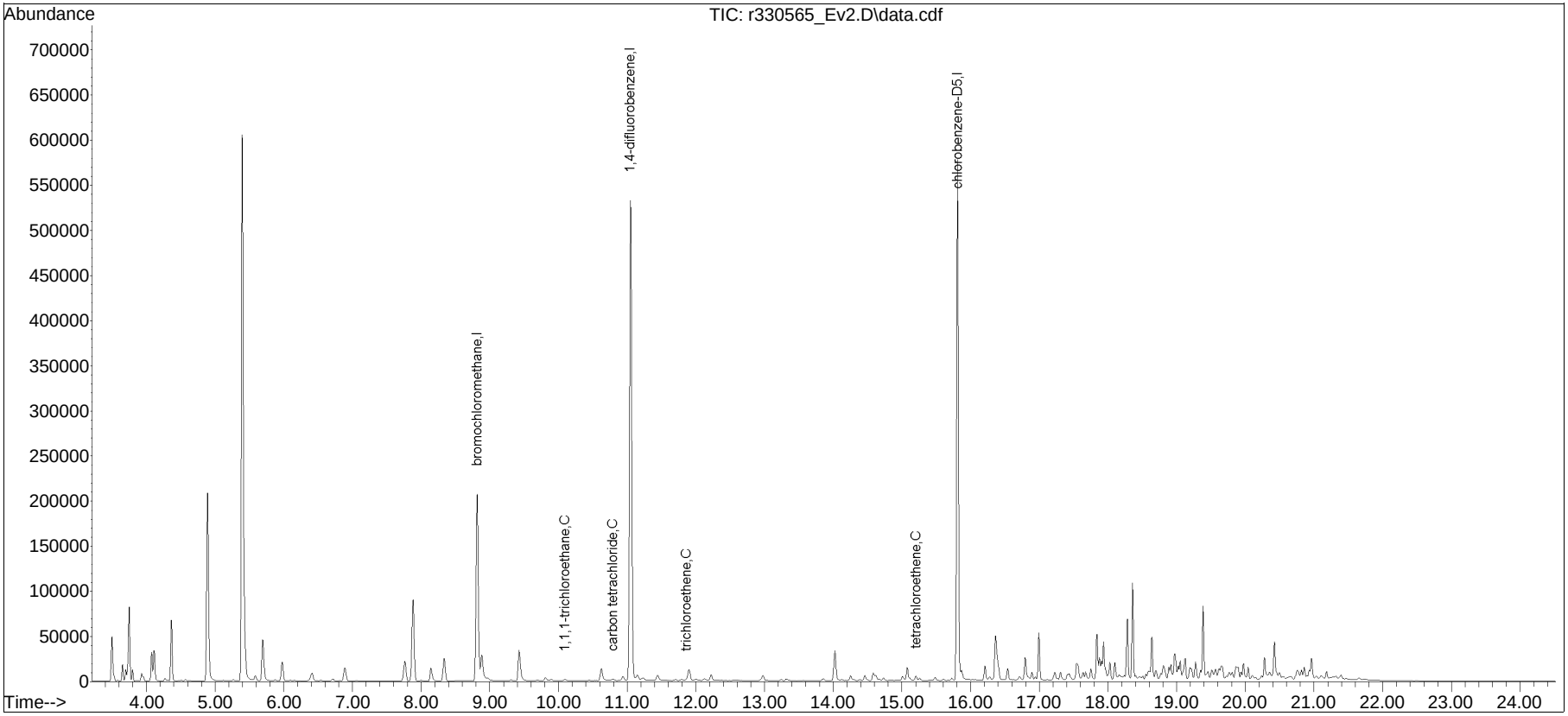
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.817	49	214580	10.000	ppbV	0.00
Standard Area = 219314			Recovery = 97.84%			
33) 1,4-difluorobenzene	11.047	114	687031	10.000	ppbV	0.00
Standard Area = 710078			Recovery = 96.75%			
51) chlorobenzene-D5	15.808	54	101359	10.000	ppbV	0.00
Standard Area = 103793			Recovery = 97.65%			
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	0.000		0	N.D.		
17) 1,1-dichloroethene	0.000		0	N.D.		
28) cis-1,2-dichloroethene	8.633		0	N.D.		
36) 1,1,1-trichloroethane	10.092	97	1519	0.069	ppbV	99
38) carbon tetrachloride	10.793	117	1492M4	0.074	ppbV	
44) trichloroethene	11.860	130	334	0.016	ppbV	96
57) tetrachloroethene	15.208	166	3287M4	0.099	ppbV	

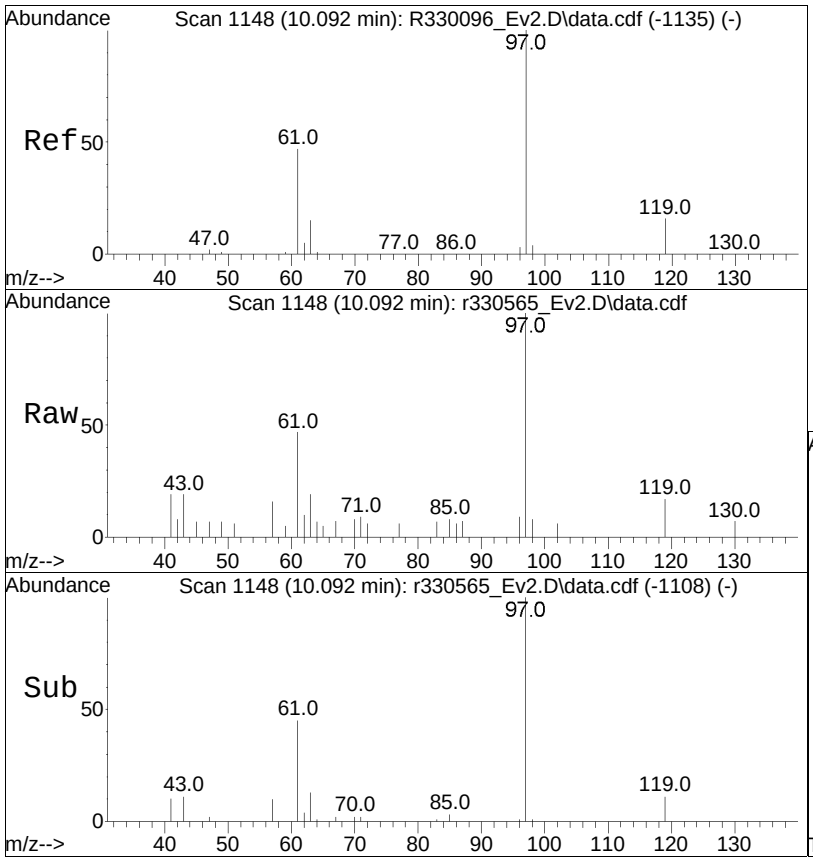
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .\Data\Airpiano3\2024\04\0423SIM\r330562_Ev2.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330565_Ev2.D
Acq On : 23 Apr 2024 7:07 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-07,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:28:28 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:11:14 2024
Response via : Initial Calibration

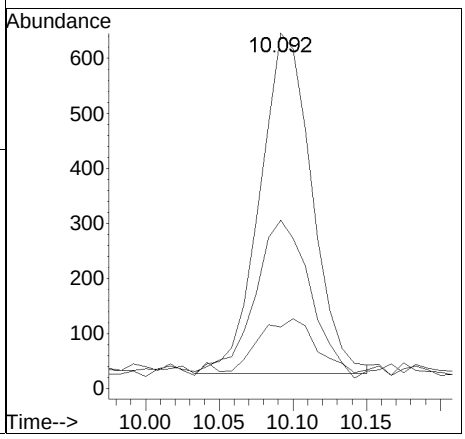


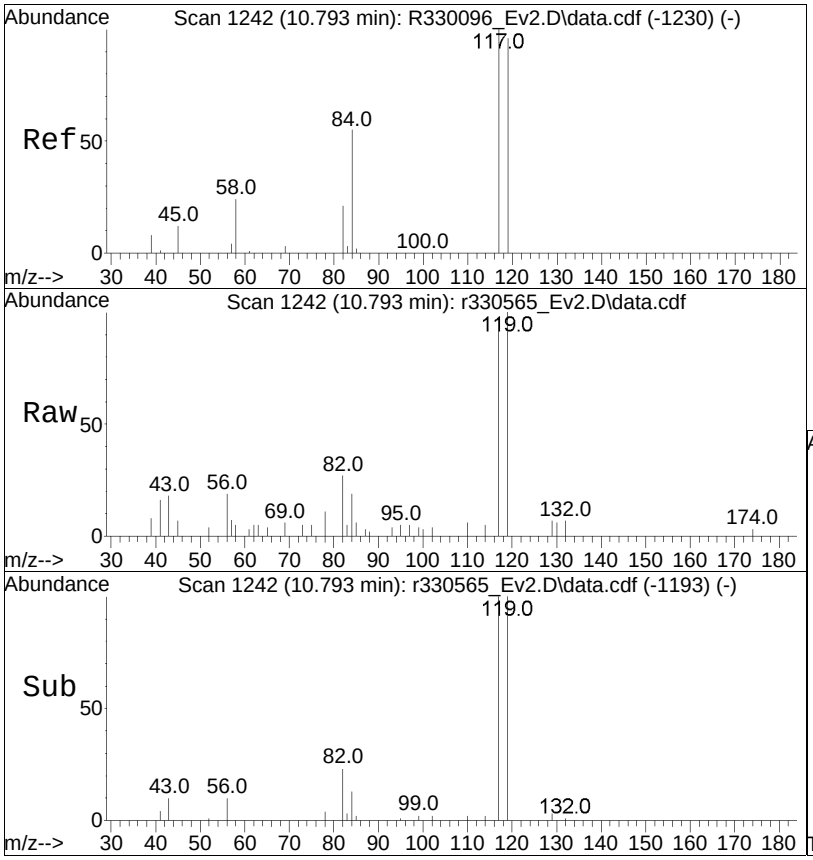


#36
1,1,1-trichloroethane
Concen: 0.07 ppbV
RT: 10.092 min Scan# 1148
Delta R.T. 0.000 min
Lab File: r330565_Ev2.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion: 97 Resp: 1519

Ion	Ratio	Lower	Upper
97	100		
61	47.4	37.4	56.2
119	17.3	12.9	19.3

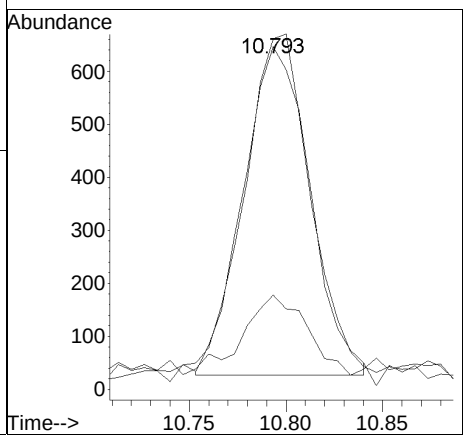


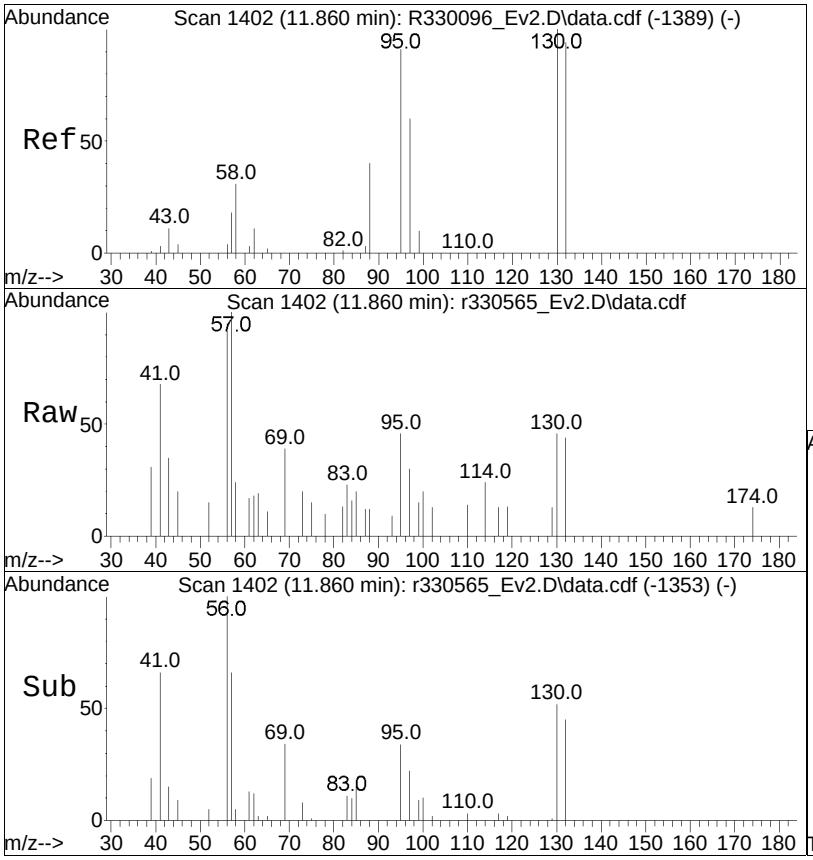


#38
carbon tetrachloride
Concen: 0.07 ppbV m
RT: 10.793 min Scan# 1242
Delta R.T. 0.000 min
Lab File: r330565_Ev2.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion:117 Resp: 1492

Ion	Ratio	Lower	Upper
117	100		
119	102.3	76.5	114.7
82	27.6	16.9	25.3#

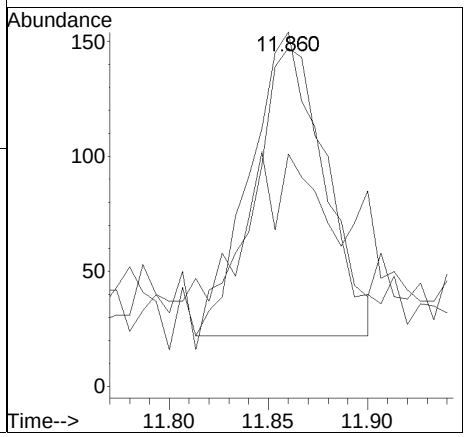


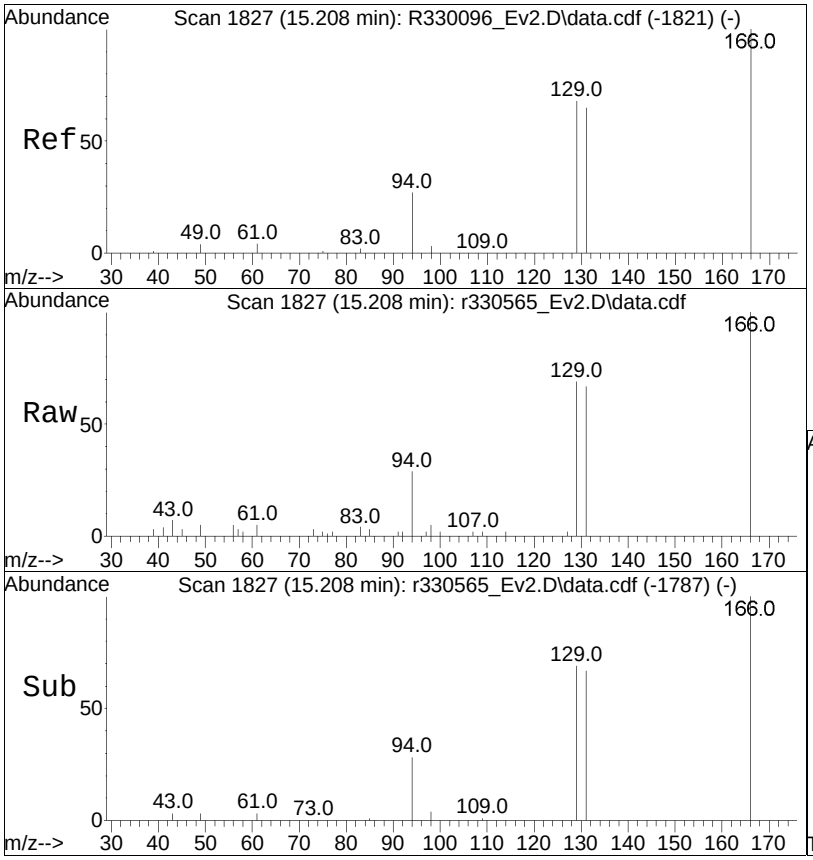


#44
trichloroethene
Concen: 0.02 ppbV
RT: 11.860 min Scan# 1402
Delta R.T. 0.000 min
Lab File: r330565_Ev2.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion:130 Resp: 334

Ion	Ratio	Lower	Upper
130	100		
132	95.5	75.5	113.3
97	65.6	47.8	71.6

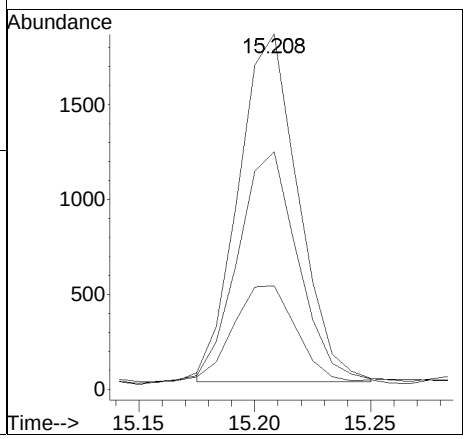




#57
tetrachloroethene
Concen: 0.10 ppbV m
RT: 15.208 min Scan# 1827
Delta R.T. 0.000 min
Lab File: r330565_Ev2.D
Acq: 23 Apr 2024 7:07 PM

Tgt Ion:166 Resp: 3287

Ion	Ratio	Lower	Upper
166	100		
131	66.9	51.8	77.8
94	29.2	21.9	32.9

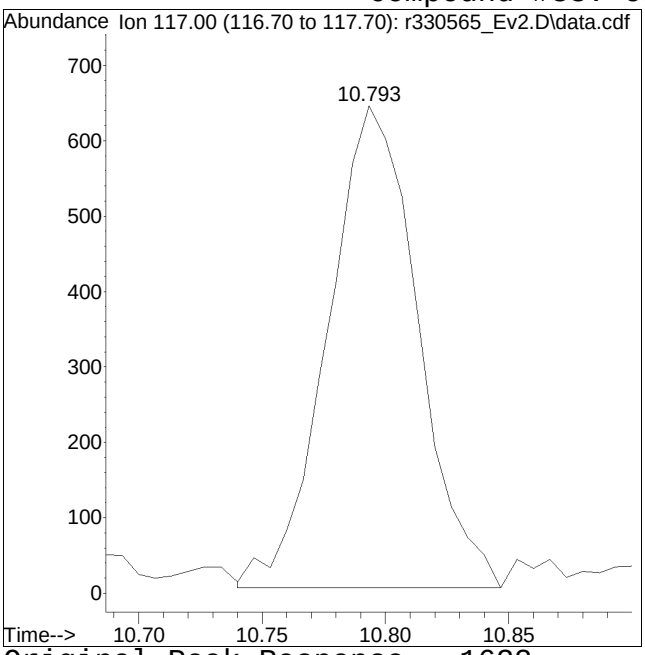


Manual Integration Report

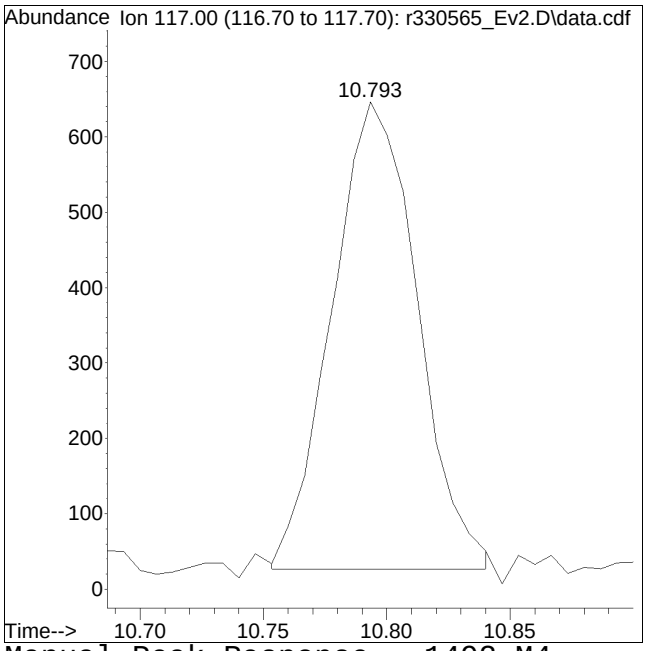
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330565_Ev2.D
Date Inj'd : 4/23/2020 0:7: 7
Sample : L2419731-07,3,250,250

Method : TSIM3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:28 am

Compound #38: carbon tetrachloride



Original Peak Response = 1622



Manual Peak Response = 1492 M4

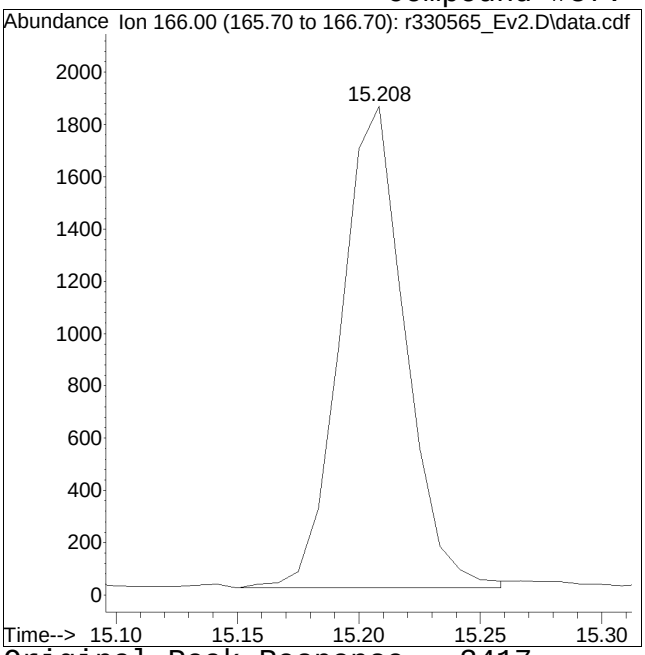
M4 = Poor automated baseline construction.

Manual Integration Report

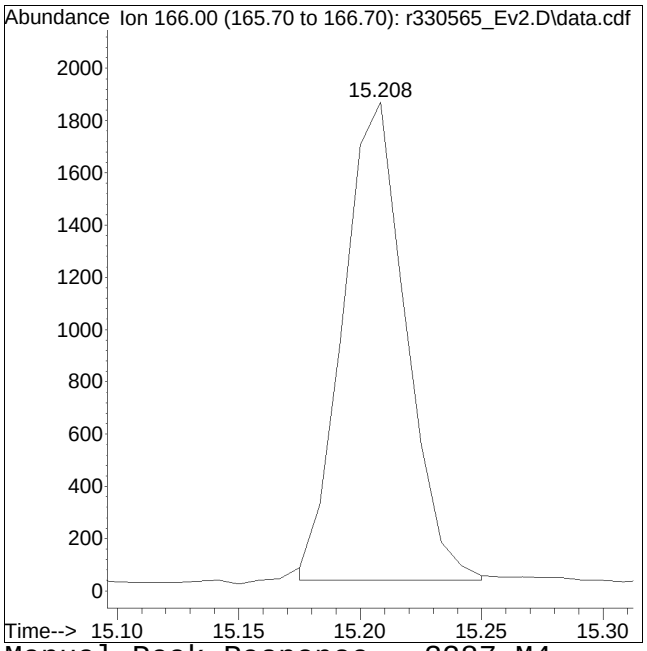
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330565_Ev2.D
Date Inj'd : 4/23/2020 0:7: 7
Sample : L2419731-07,3,250,250

Method : TSIM3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:28 am

Compound #57: tetrachloroethene



Original Peak Response = 3417



Manual Peak Response = 3287 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330566_Ev2.D
Acq On : 23 Apr 2024 7:48 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-08,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:28:35 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:11:14 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\r330562_Ev2.D
Sub List : 7-NY-SIM - .

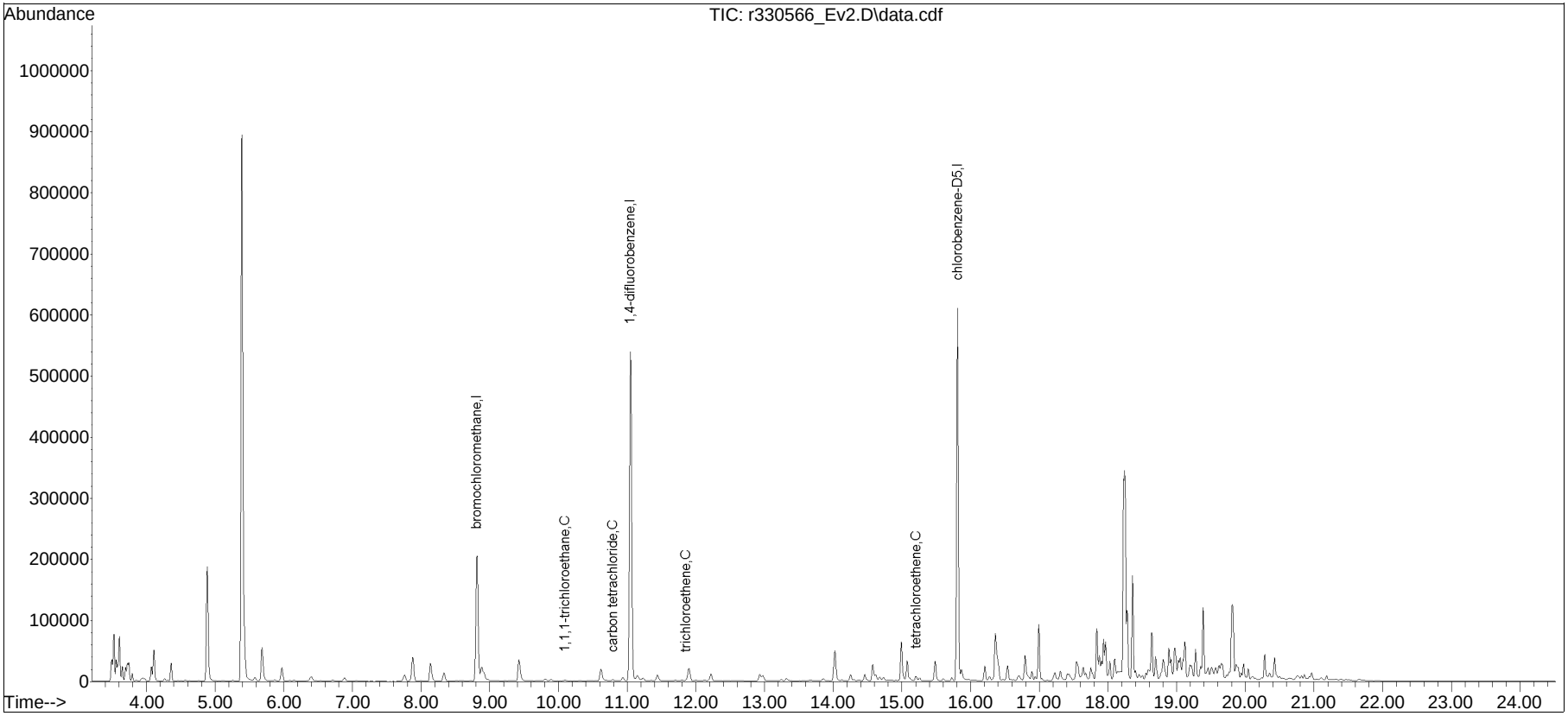
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.808	49	218408	10.000	ppbV	0.00
Standard Area = 219314			Recovery =		99.59%	
33) 1,4-difluorobenzene	11.047	114	704460	10.000	ppbV	0.00
Standard Area = 710078			Recovery =		99.21%	
51) chlorobenzene-D5	15.808	54	103206	10.000	ppbV	0.00
Standard Area = 103793			Recovery =		99.43%	
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	0.000		0	N.D.		
17) 1,1-dichloroethene	6.262		0	N.D.		
28) cis-1,2-dichloroethene	8.625		0	N.D.		
36) 1,1,1-trichloroethane	10.092	97	1377	0.061	ppbV	98
38) carbon tetrachloride	10.793	117	1660	0.080	ppbV	99
44) trichloroethene	11.853	130	416M4	0.020	ppbV	
57) tetrachloroethene	15.208	166	5073	0.150	ppbV	97

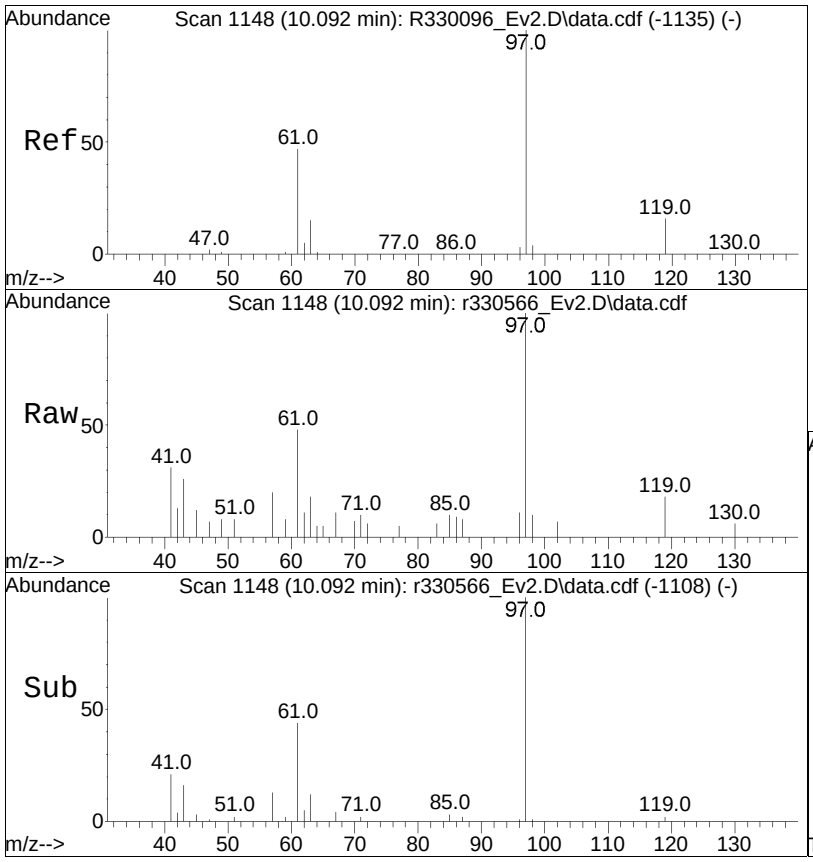
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .\Data\Airpiano3\2024\04\0423SIM\r330562_Ev2.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330566_Ev2.D
Acq On : 23 Apr 2024 7:48 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-08,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:28:35 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:11:14 2024
Response via : Initial Calibration

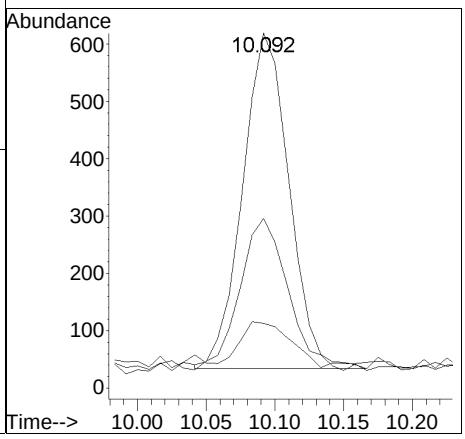


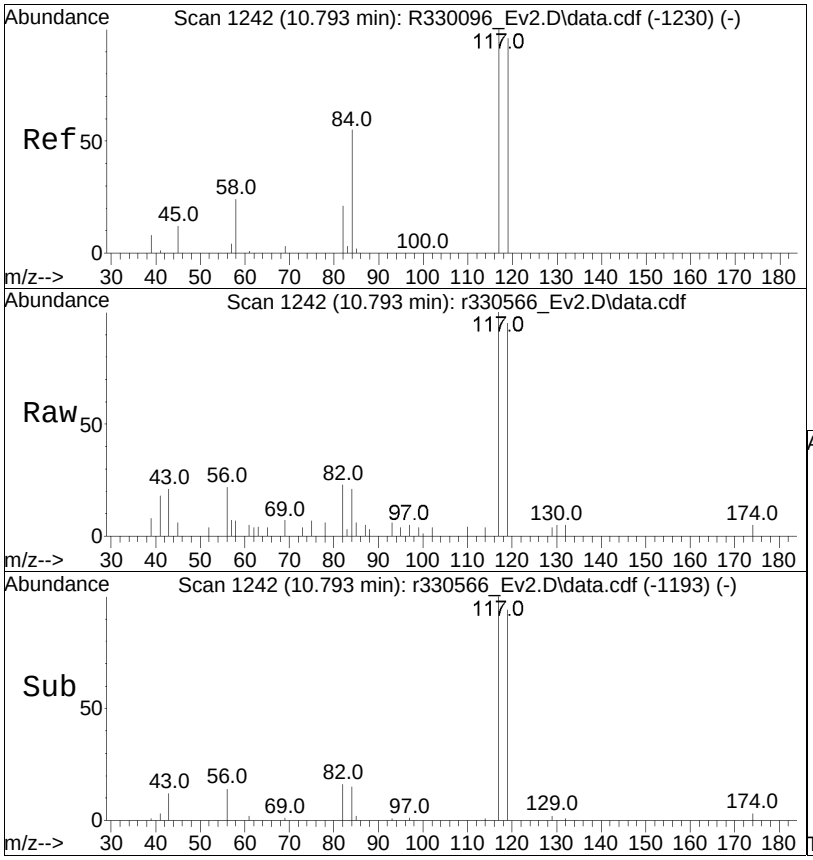


#36
1,1,1-trichloroethane
Concen: 0.06 ppbV
RT: 10.092 min Scan# 1148
Delta R.T. 0.000 min
Lab File: r330566_Ev2.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion: 97 Resp: 1377

Ion	Ratio	Lower	Upper
97	100		
61	47.8	37.4	56.2
119	18.3	12.9	19.3

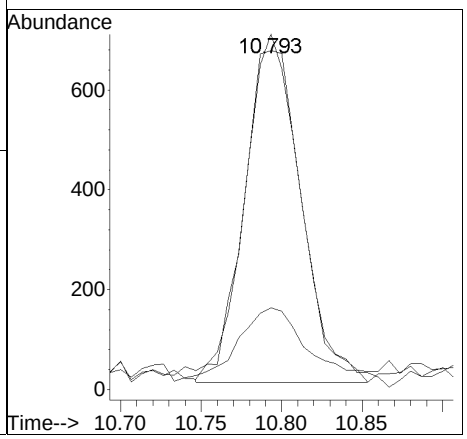


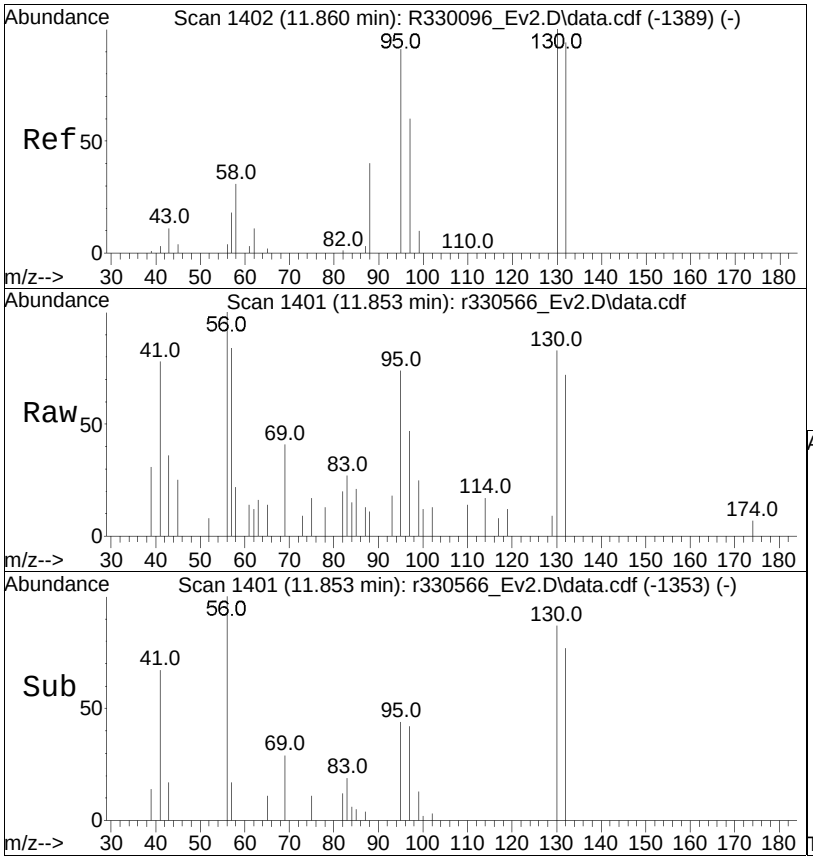


#38
carbon tetrachloride
Concen: 0.08 ppbV
RT: 10.793 min Scan# 1242
Delta R.T. 0.000 min
Lab File: r330566_Ev2.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion:117 Resp: 1660

Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.5	114.7
82	23.0	16.9	25.3

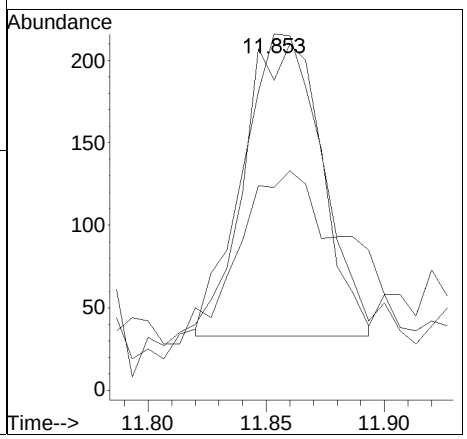


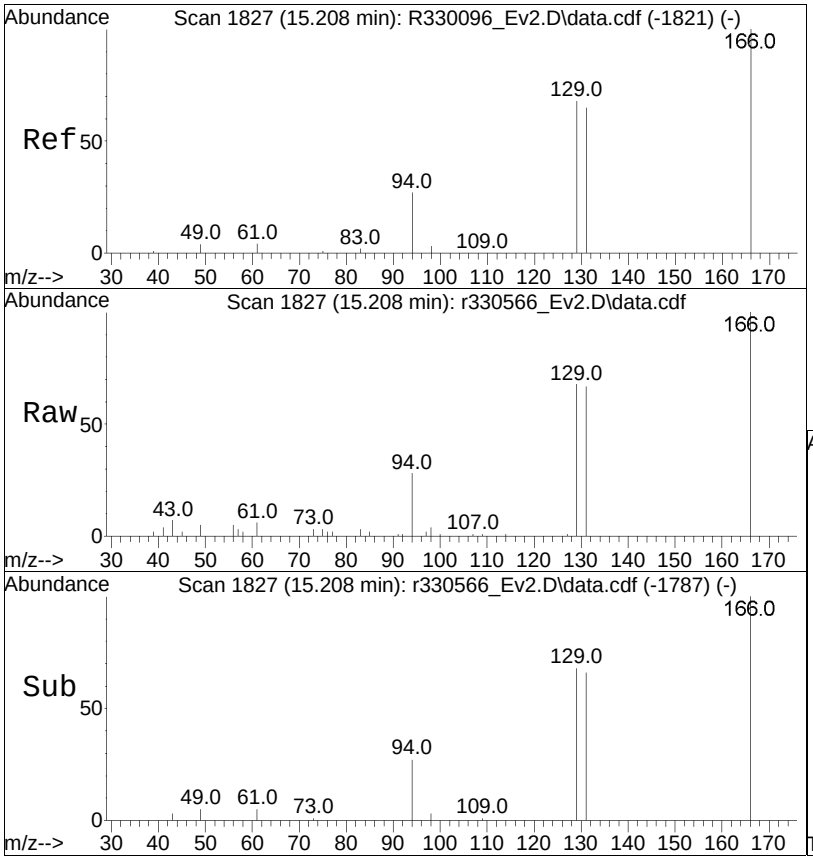


#44
trichloroethene
Concen: 0.02 ppbV m
RT: 11.853 min Scan# 1401
Delta R.T. -0.007 min
Lab File: r330566_Ev2.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion:130 Resp: 416

Ion	Ratio	Lower	Upper
130	100		
132	87.0	75.5	113.3
97	56.9	47.8	71.6

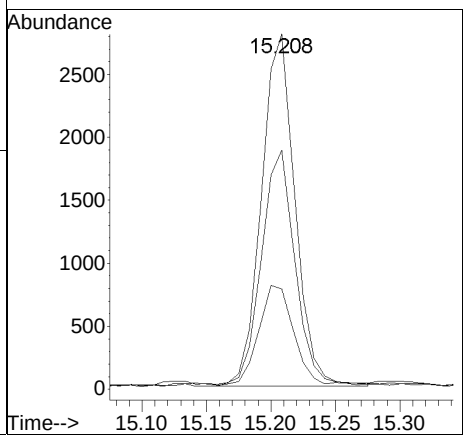




#57
tetrachloroethene
Concen: 0.15 ppbV
RT: 15.208 min Scan# 1827
Delta R.T. 0.000 min
Lab File: r330566_Ev2.D
Acq: 23 Apr 2024 7:48 PM

Tgt Ion:166 Resp: 5073

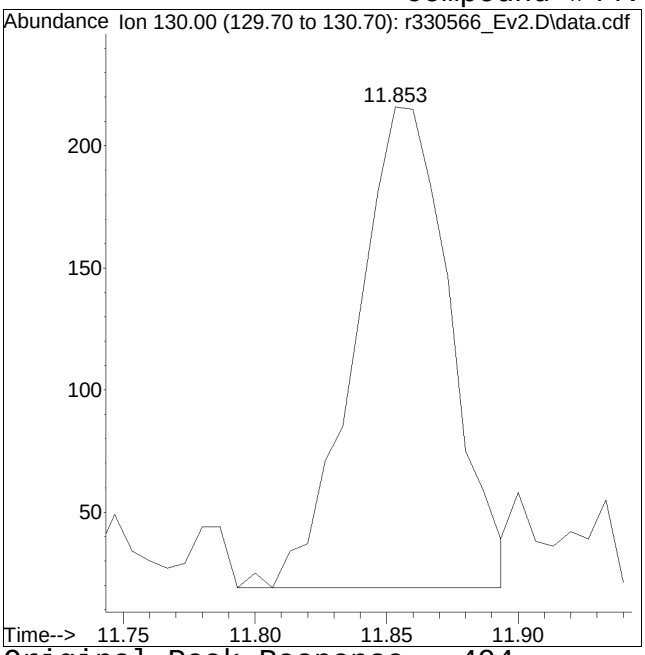
Ion	Ratio	Lower	Upper
166	100		
131	67.4	51.8	77.8
94	28.3	21.9	32.9



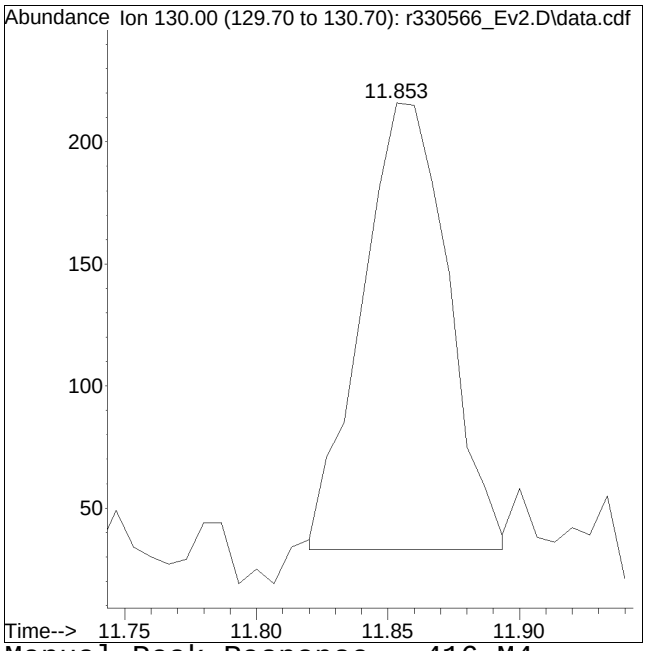
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : r330566_Ev2.D Operator : AIRPIANO3:JMB
Date Inj'd : 4/23/2020 0:7: 8 Instrument :
Sample : L2419731-08,3,250,250 Quant Date : 4/24/2024 7:28 am

Compound #44: trichloroethene



Original Peak Response = 494



Manual Peak Response = 416 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330567_Ev2.D
Acq On : 23 Apr 2024 8:28 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-01,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:28:41 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:11:14 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\r330562_Ev2.D
Sub List : 7-NY-SIM - .

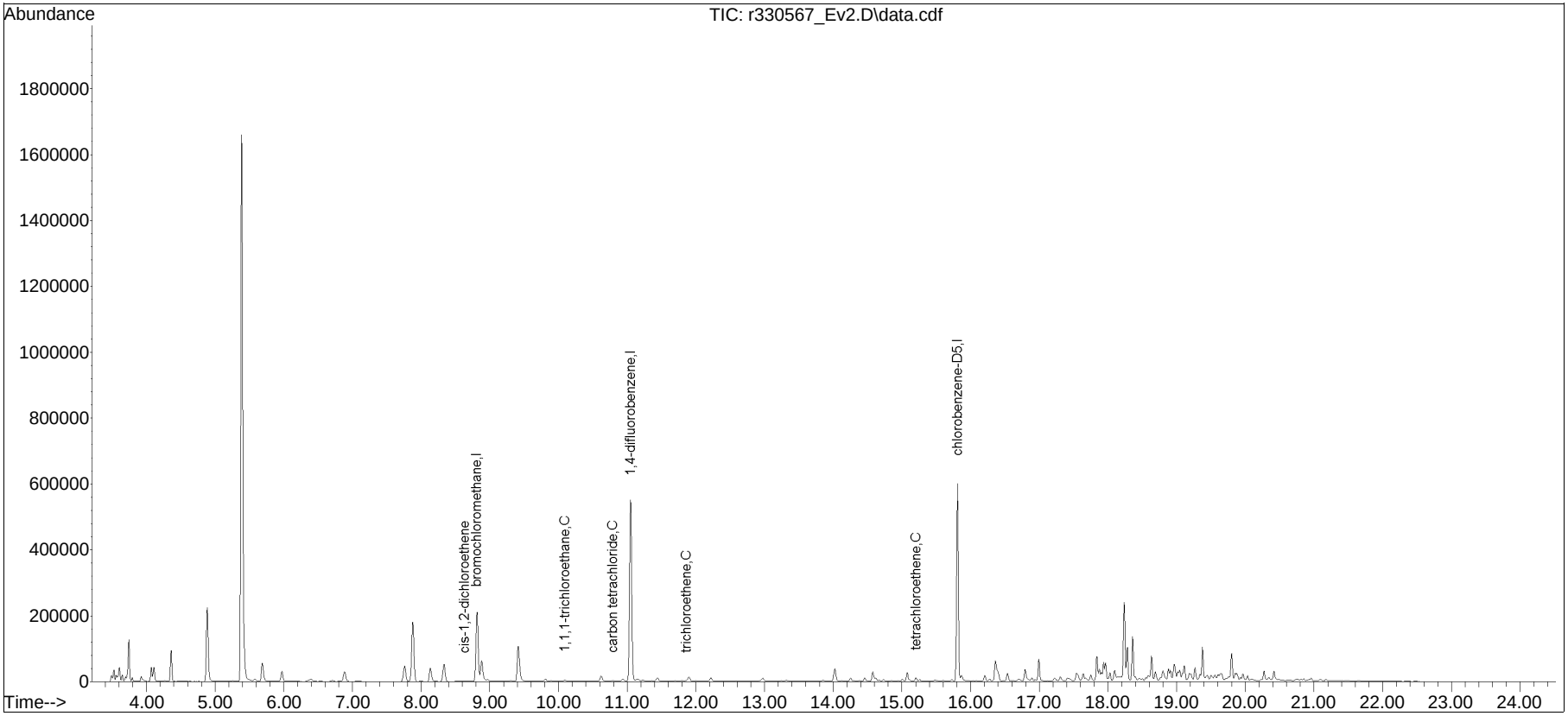
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.808	49	221170	10.000	ppbV	0.00
Standard Area = 219314			Recovery = 100.85%			
33) 1,4-difluorobenzene	11.053	114	716466	10.000	ppbV	0.00
Standard Area = 710078			Recovery = 100.90%			
51) chlorobenzene-D5	15.808	54	104118	10.000	ppbV	0.00
Standard Area = 103793			Recovery = 100.31%			
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	0.000		0	N.D.		
17) 1,1-dichloroethene	6.262		0	N.D.		
28) cis-1,2-dichloroethene	8.633	61	550M4	0.023	ppbV	
36) 1,1,1-trichloroethane	10.092	97	3823	0.168	ppbV	100
38) carbon tetrachloride	10.793	117	1761	0.084	ppbV	95
44) trichloroethene	11.860	130	592	0.027	ppbV	91
57) tetrachloroethene	15.208	166	6951	0.204	ppbV	97

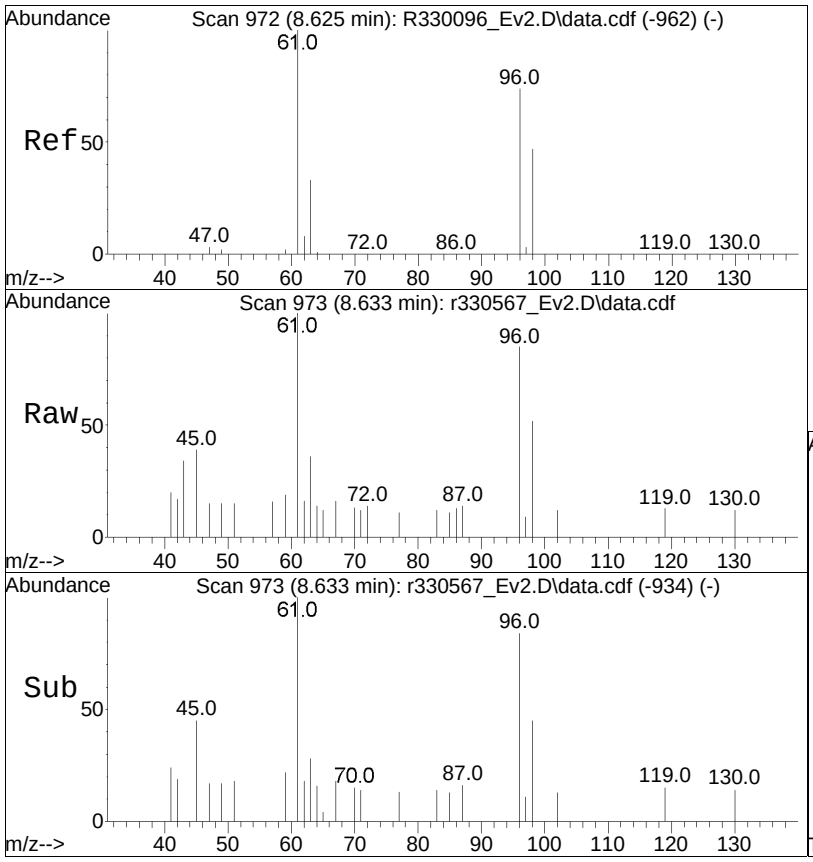
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .\Data\Airpiano3\2024\04\0423SIM\r330562_Ev2.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330567_Ev2.D
Acq On : 23 Apr 2024 8:28 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-01,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:28:41 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:11:14 2024
Response via : Initial Calibration

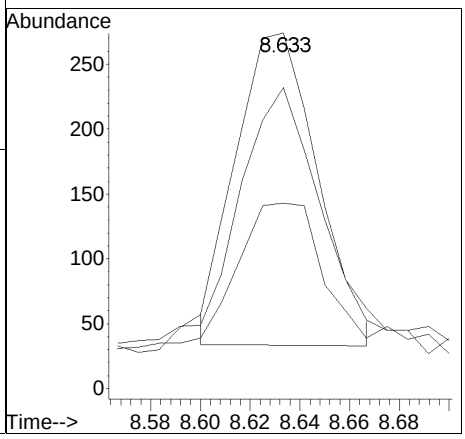


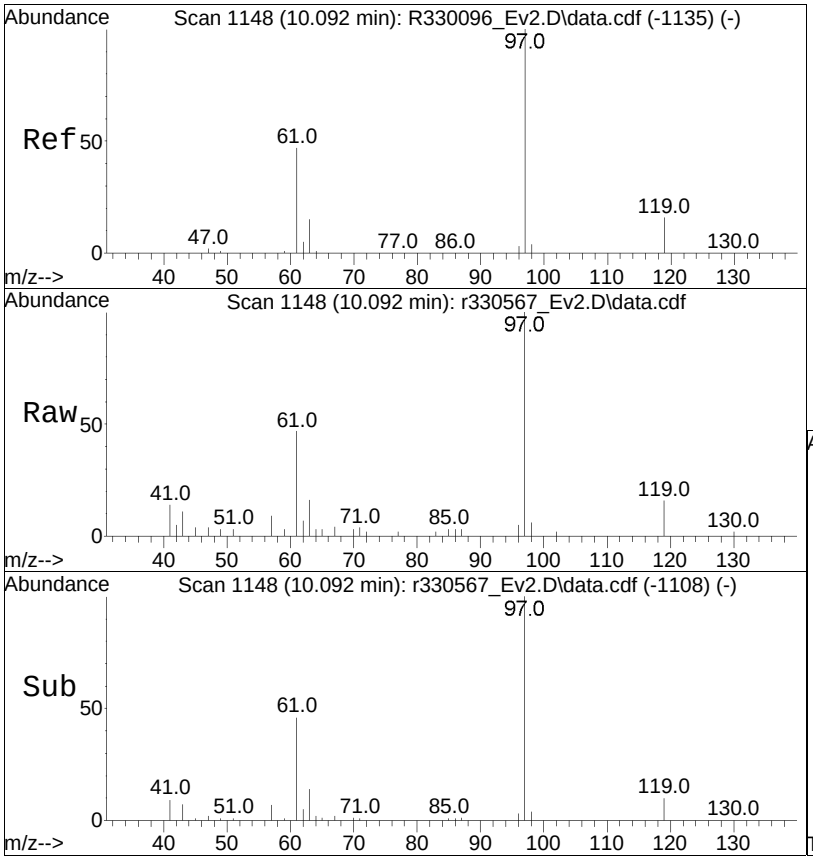


#28
cis-1,2-dichloroethene
Concen: 0.02 ppbV m
RT: 8.633 min Scan# 973
Delta R.T. 0.008 min
Lab File: r330567_Ev2.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion: 61 Resp: 550

Ion	Ratio	Lower	Upper
61	100		
96	84.7	59.2	88.8
98	52.2	37.9	56.9

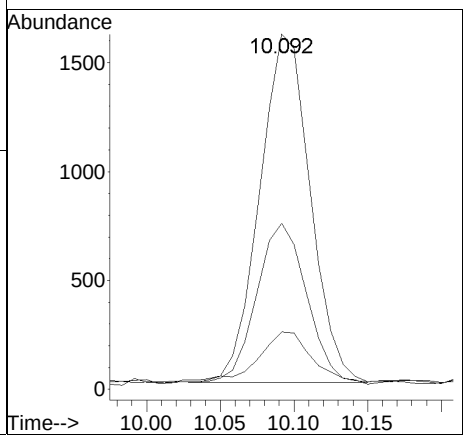


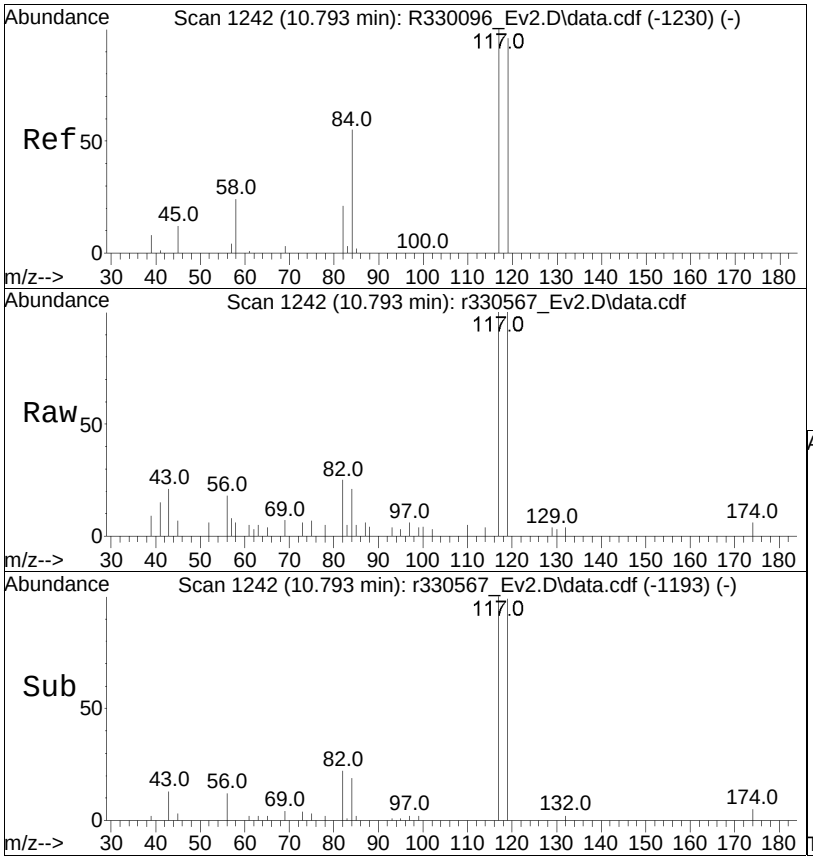


#36
1,1,1-trichloroethane
Concen: 0.17 ppbV
RT: 10.092 min Scan# 1148
Delta R.T. 0.000 min
Lab File: r330567_Ev2.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion: 97 Resp: 3823

Ion	Ratio	Lower	Upper
97	100		
61	46.8	37.4	56.2
119	16.2	12.9	19.3

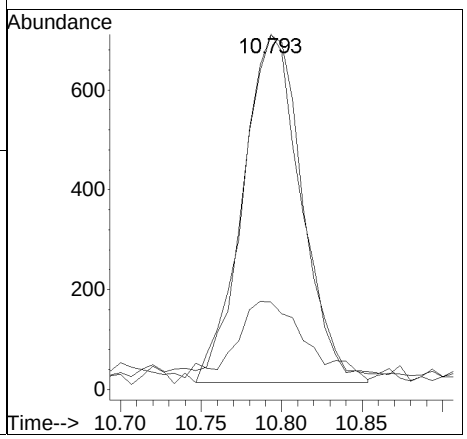


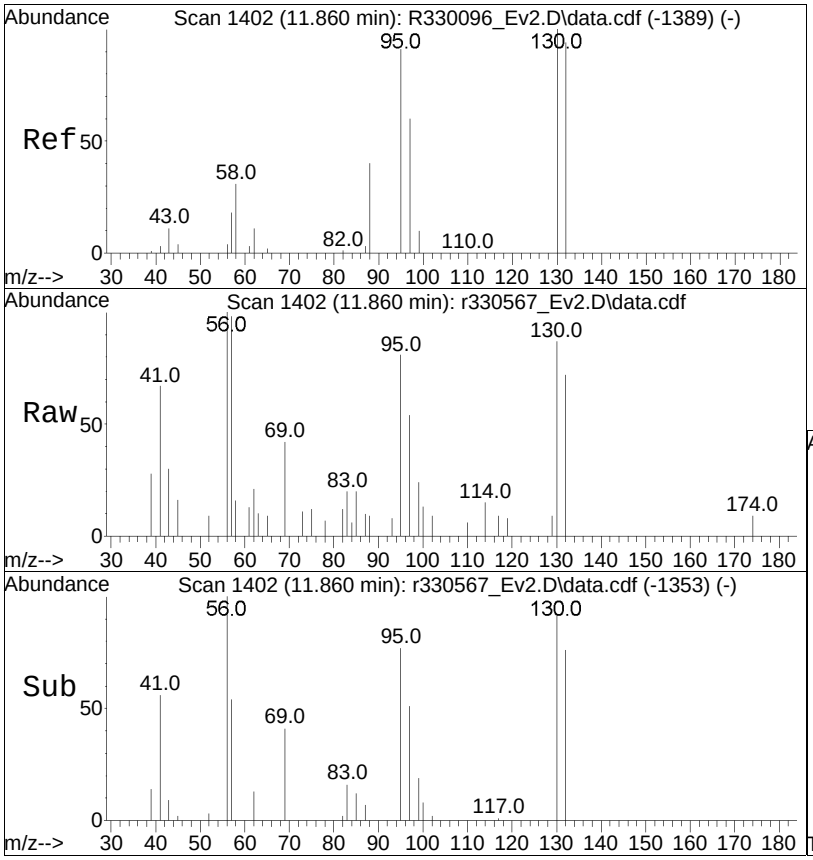


#38
carbon tetrachloride
Concen: 0.08 ppbV
RT: 10.793 min Scan# 1242
Delta R.T. 0.000 min
Lab File: r330567_Ev2.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion:117 Resp: 1761

Ion	Ratio	Lower	Upper
117	100		
119	99.7	76.5	114.7
82	24.6	16.9	25.3

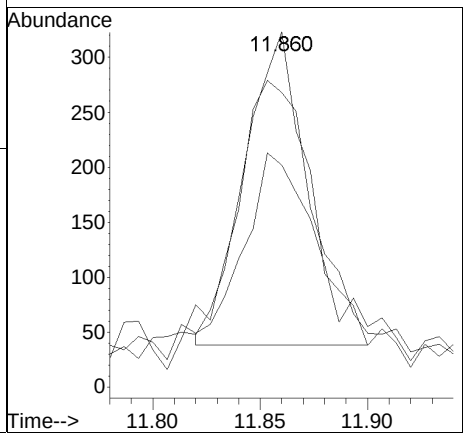


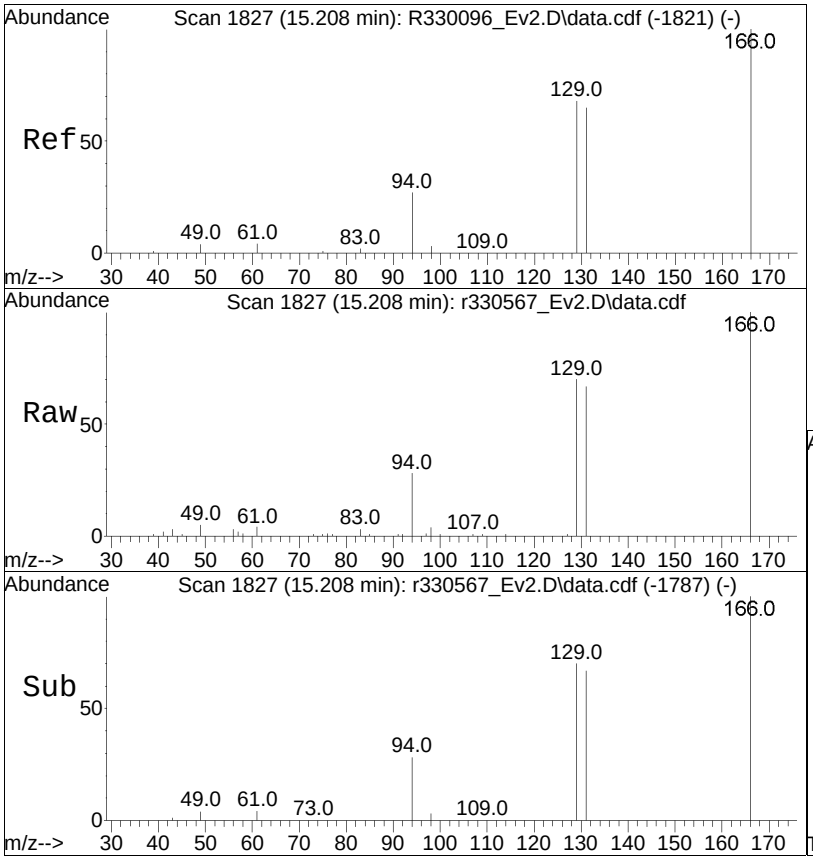


#44
trichloroethene
Concen: 0.03 ppbV
RT: 11.860 min Scan# 1402
Delta R.T. 0.000 min
Lab File: r330567_Ev2.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion:130 Resp: 592

Ion	Ratio	Lower	Upper
130	100		
132	83.0	75.5	113.3
97	62.5	47.8	71.6

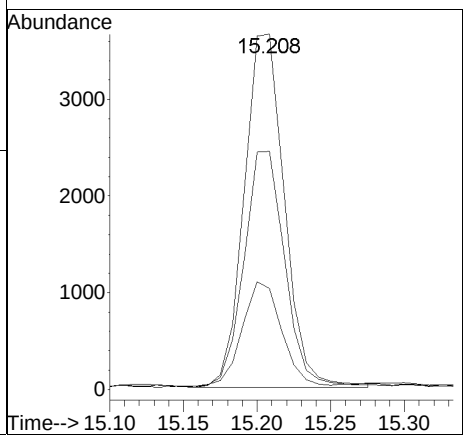




#57
tetrachloroethene
Concen: 0.20 ppbV
RT: 15.208 min Scan# 1827
Delta R.T. 0.000 min
Lab File: r330567_Ev2.D
Acq: 23 Apr 2024 8:28 PM

Tgt Ion:166 Resp: 6951

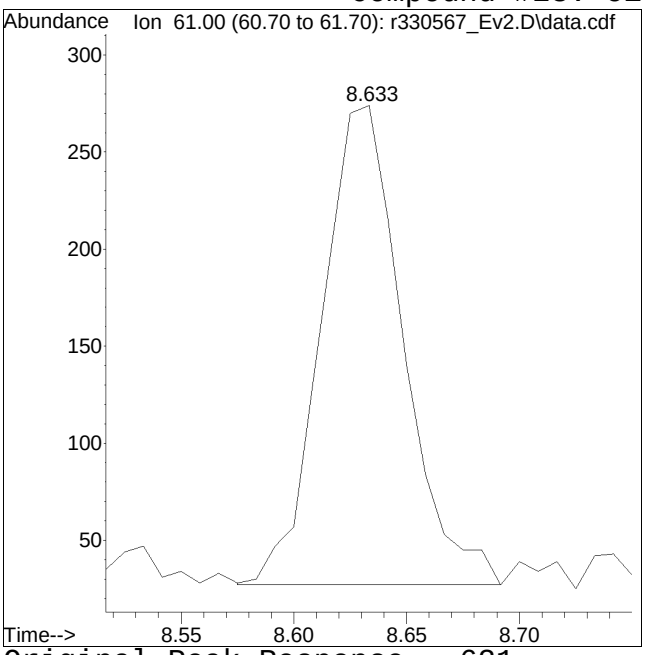
Ion	Ratio	Lower	Upper
166	100		
131	67.0	51.8	77.8
94	28.4	21.9	32.9



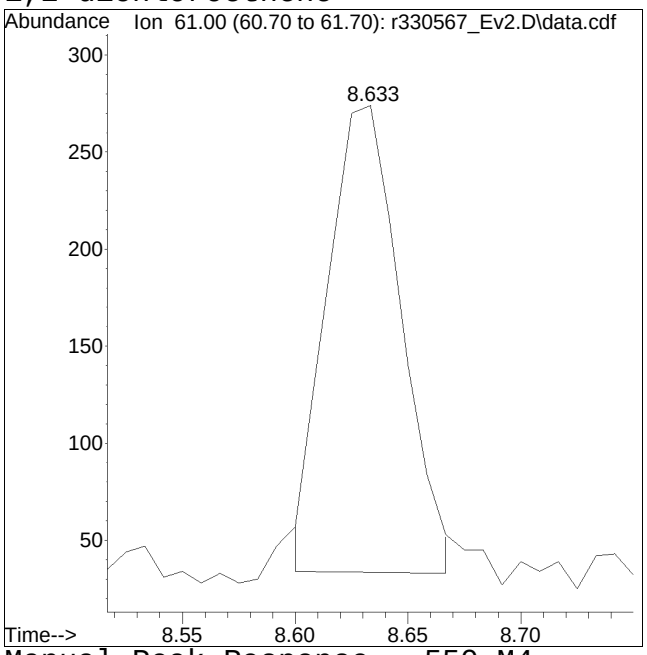
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : r330567_Ev2.D Operator : AIRPIANO3:JMB
Date Inj'd : 4/23/2020 0:8: 8 Instrument :
Sample : L2419731-01,3,250,250 Quant Date : 4/24/2024 7:28 am

Compound #28: cis-1,2-dichloroethene



Original Peak Response = 621



Manual Peak Response = 550 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330568_Ev2.D
Acq On : 23 Apr 2024 9:08 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-02,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:28:47 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:11:14 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\r330562_Ev2.D
Sub List : 7-NY-SIM - .

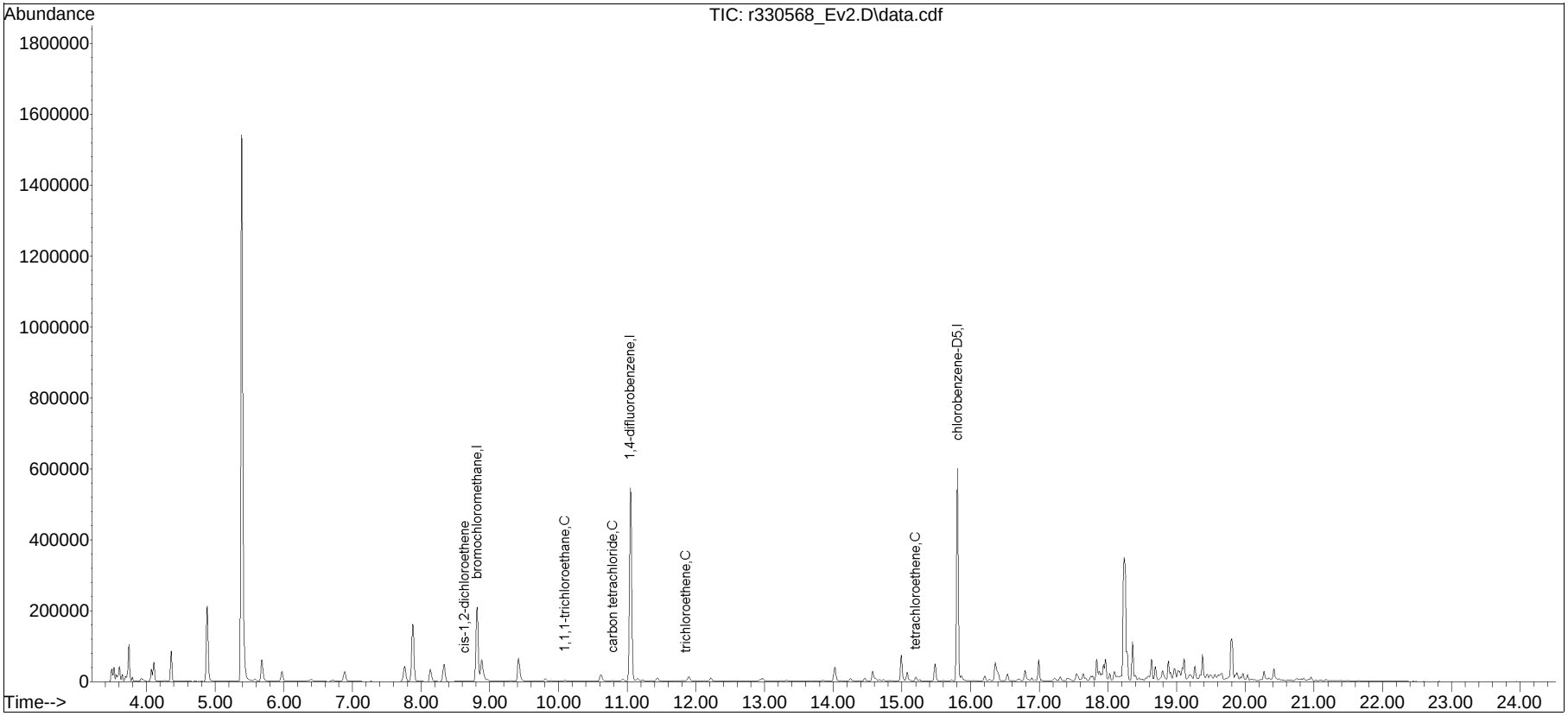
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.817	49	219851	10.000	ppbV	0.00
Standard Area = 219314			Recovery = 100.24%			
33) 1,4-difluorobenzene	11.047	114	707117	10.000	ppbV	0.00
Standard Area = 710078			Recovery = 99.58%			
51) chlorobenzene-D5	15.808	54	105184	10.000	ppbV	0.00
Standard Area = 103793			Recovery = 101.34%			
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	0.000		0	N.D.		
17) 1,1-dichloroethene	0.000		0	N.D.		
28) cis-1,2-dichloroethene	8.633	61	482M4	0.020	ppbV	
36) 1,1,1-trichloroethane	10.092	97	3225	0.143	ppbV	97
38) carbon tetrachloride	10.793	117	1610	0.077	ppbV #	91
44) trichloroethene	11.853	130	659	0.031	ppbV	88
57) tetrachloroethene	15.200	166	7496	0.217	ppbV	95

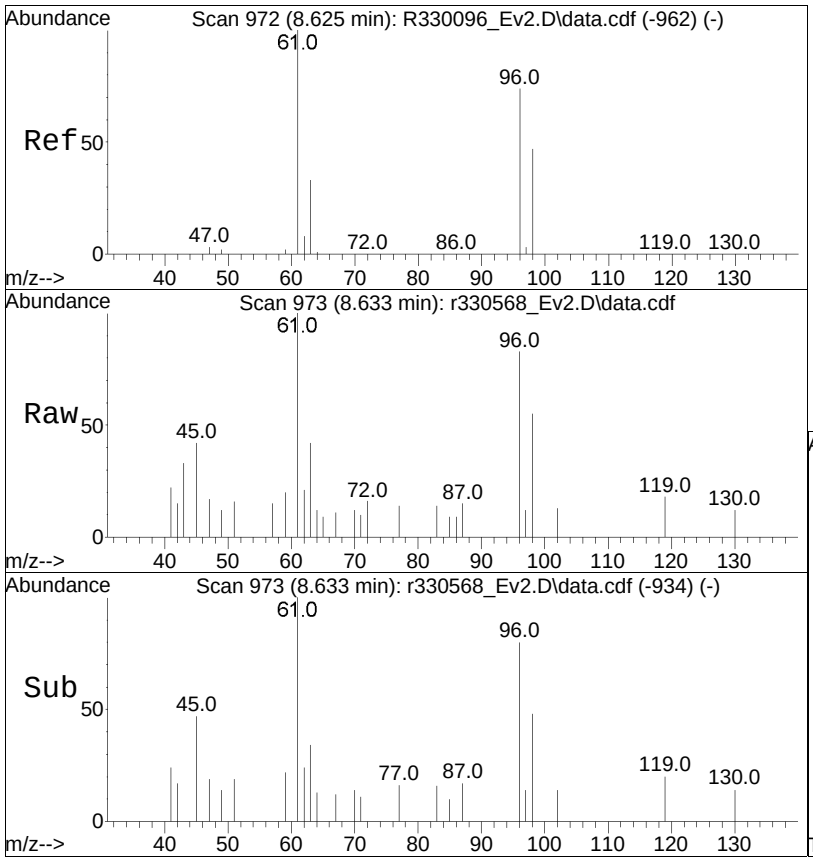
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .\Data\Airpiano3\2024\04\0423SIM\r330562_Ev2.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330568_Ev2.D
Acq On : 23 Apr 2024 9:08 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-02,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:28:47 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:11:14 2024
Response via : Initial Calibration

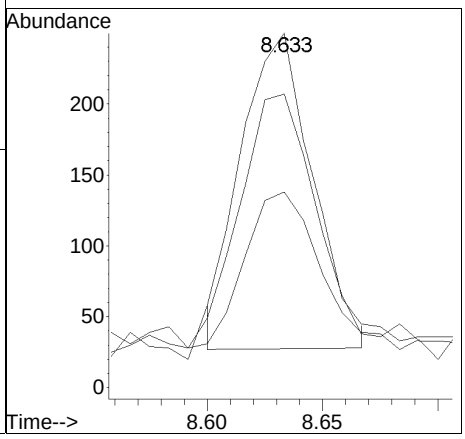


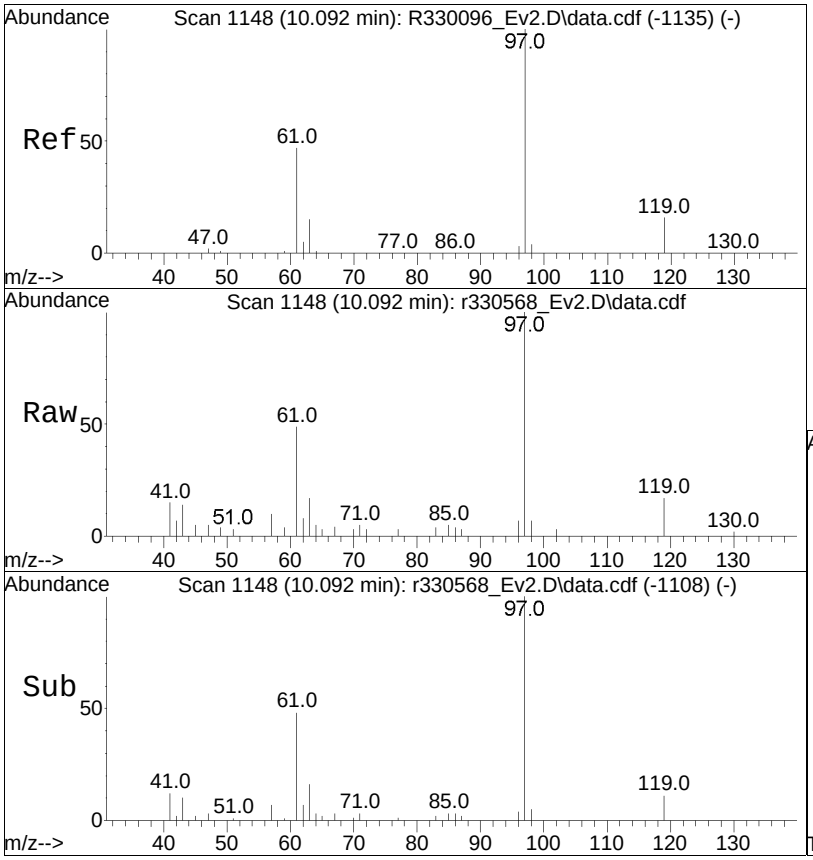


#28
cis-1,2-dichloroethene
Concen: 0.02 ppbV m
RT: 8.633 min Scan# 973
Delta R.T. 0.008 min
Lab File: r330568_Ev2.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion: 61 Resp: 482

Ion	Ratio	Lower	Upper
61	100		
96	82.8	59.2	88.8
98	55.2	37.9	56.9

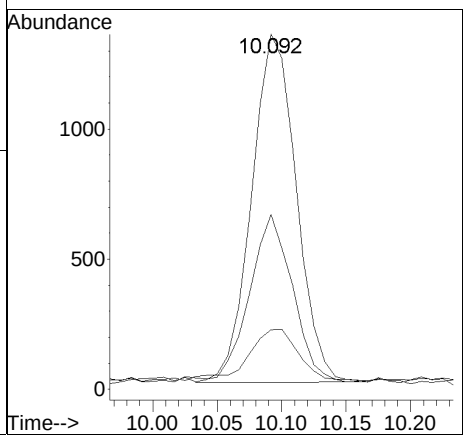


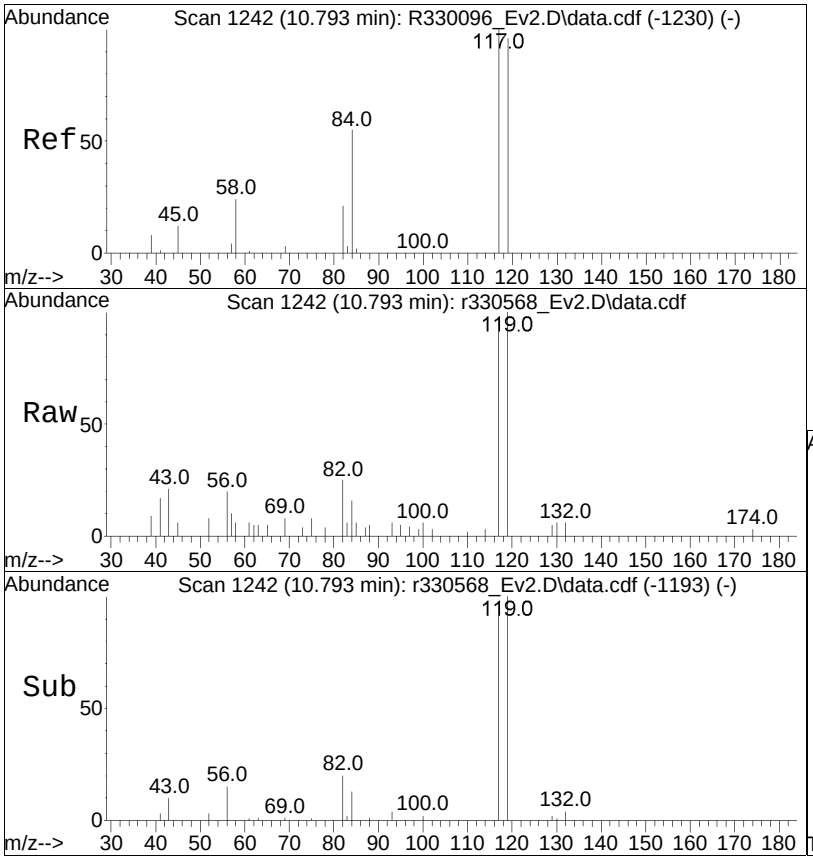


#36
1,1,1-trichloroethane
Concen: 0.14 ppbV
RT: 10.092 min Scan# 1148
Delta R.T. 0.000 min
Lab File: r330568_Ev2.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion: 97 Resp: 3225

Ion	Ratio	Lower	Upper
97	100		
61	49.2	37.4	56.2
119	16.8	12.9	19.3

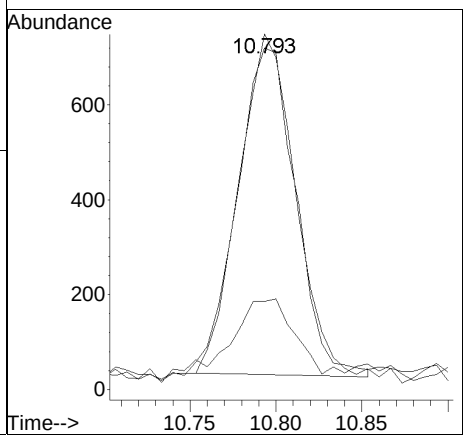


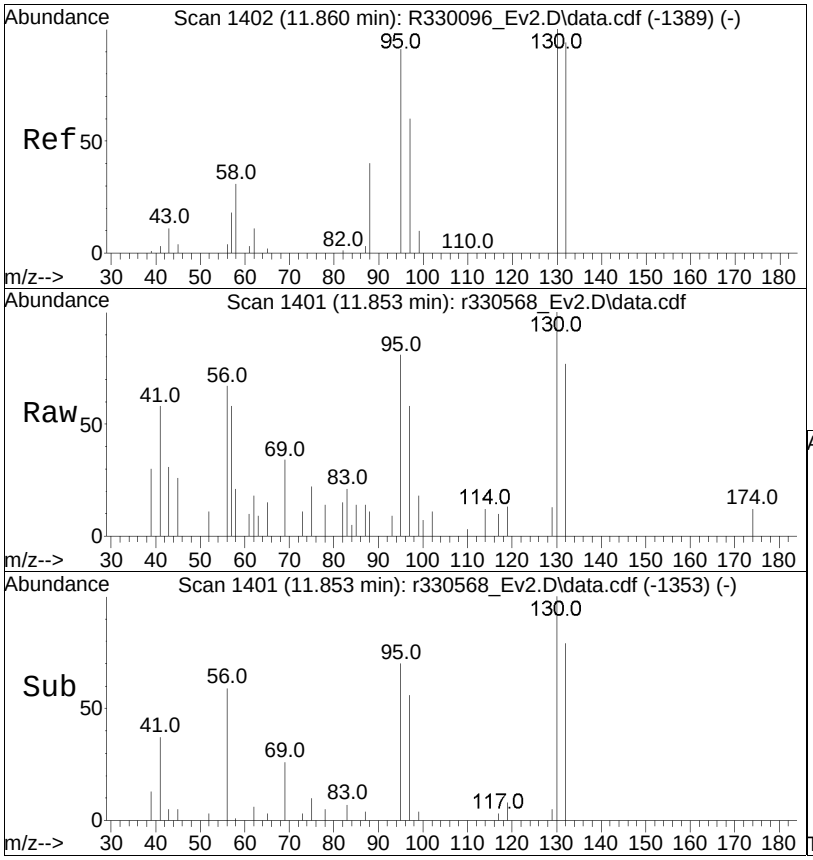


#38
carbon tetrachloride
Concen: 0.08 ppbV
RT: 10.793 min Scan# 1242
Delta R.T. 0.000 min
Lab File: r330568_Ev2.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion:117 Resp: 1610

Ion	Ratio	Lower	Upper
117	100		
119	104.0	76.5	114.7
82	25.8	16.9	25.3#

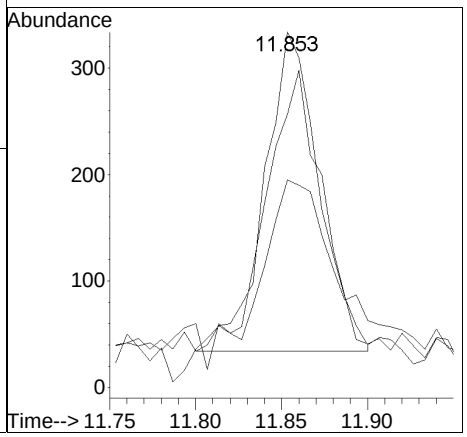


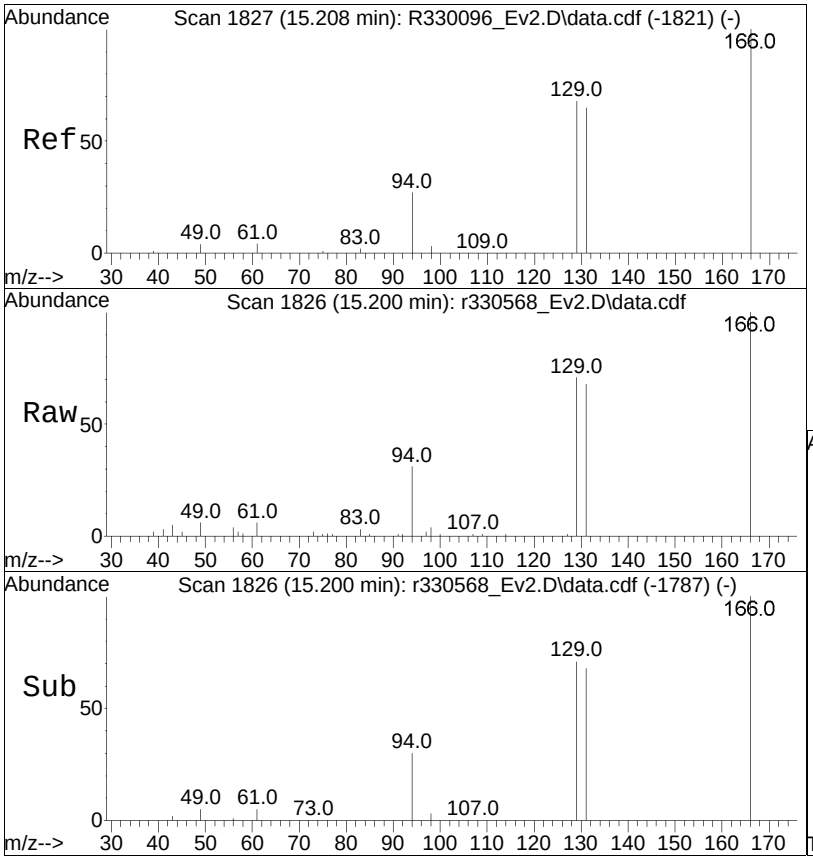


#44
trichloroethene
Concen: 0.03 ppbV
RT: 11.853 min Scan# 1401
Delta R.T. -0.007 min
Lab File: r330568_Ev2.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion:130 Resp: 659

Ion	Ratio	Lower	Upper
130	100		
132	76.9	75.5	113.3
97	58.4	47.8	71.6

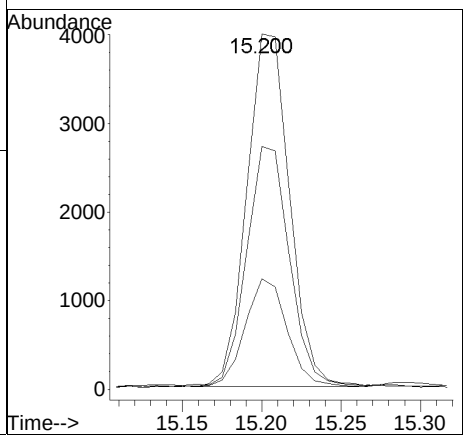




#57
tetrachloroethene
Concen: 0.22 ppbV
RT: 15.200 min Scan# 1826
Delta R.T. -0.008 min
Lab File: r330568_Ev2.D
Acq: 23 Apr 2024 9:08 PM

Tgt Ion:166 Resp: 7496

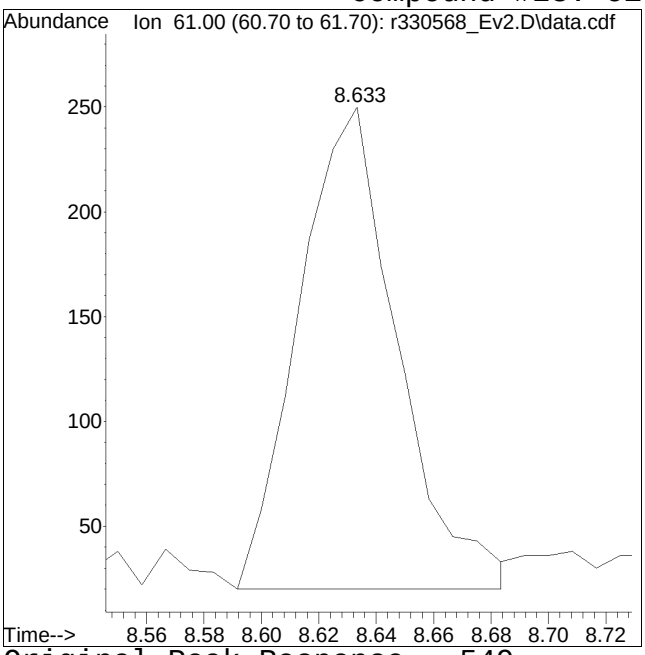
Ion	Ratio	Lower	Upper
166	100		
131	68.3	51.8	77.8
94	31.1	21.9	32.9



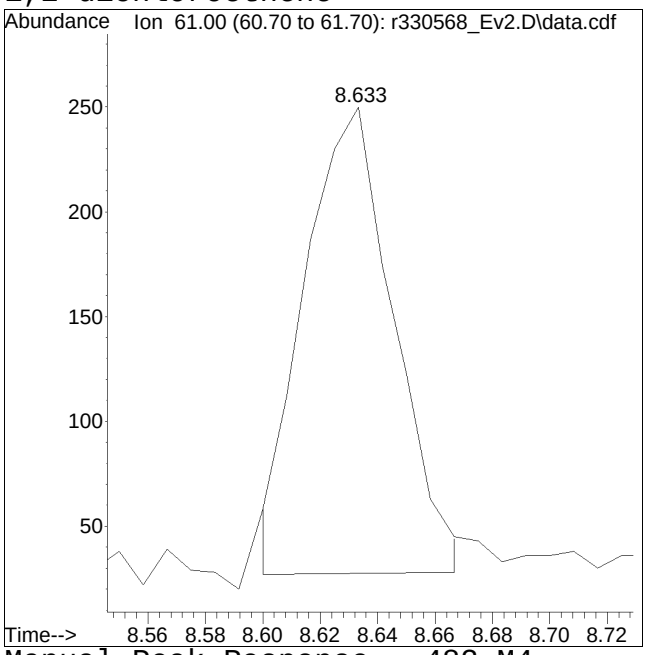
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : r330568_Ev2.D Operator : AIRPIANO3:JMB
Date Inj'd : 4/23/2020 0:9: 8 Instrument :
Sample : L2419731-02,3,250,250 Quant Date : 4/24/2024 7:28 am

Compound #28: cis-1,2-dichloroethene



Original Peak Response = 549



Manual Peak Response = 482 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330569_Ev2.D
Acq On : 23 Apr 2024 9:48 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-03,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:28:53 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:11:14 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\r330562_Ev2.D
Sub List : 7-NY-SIM - .

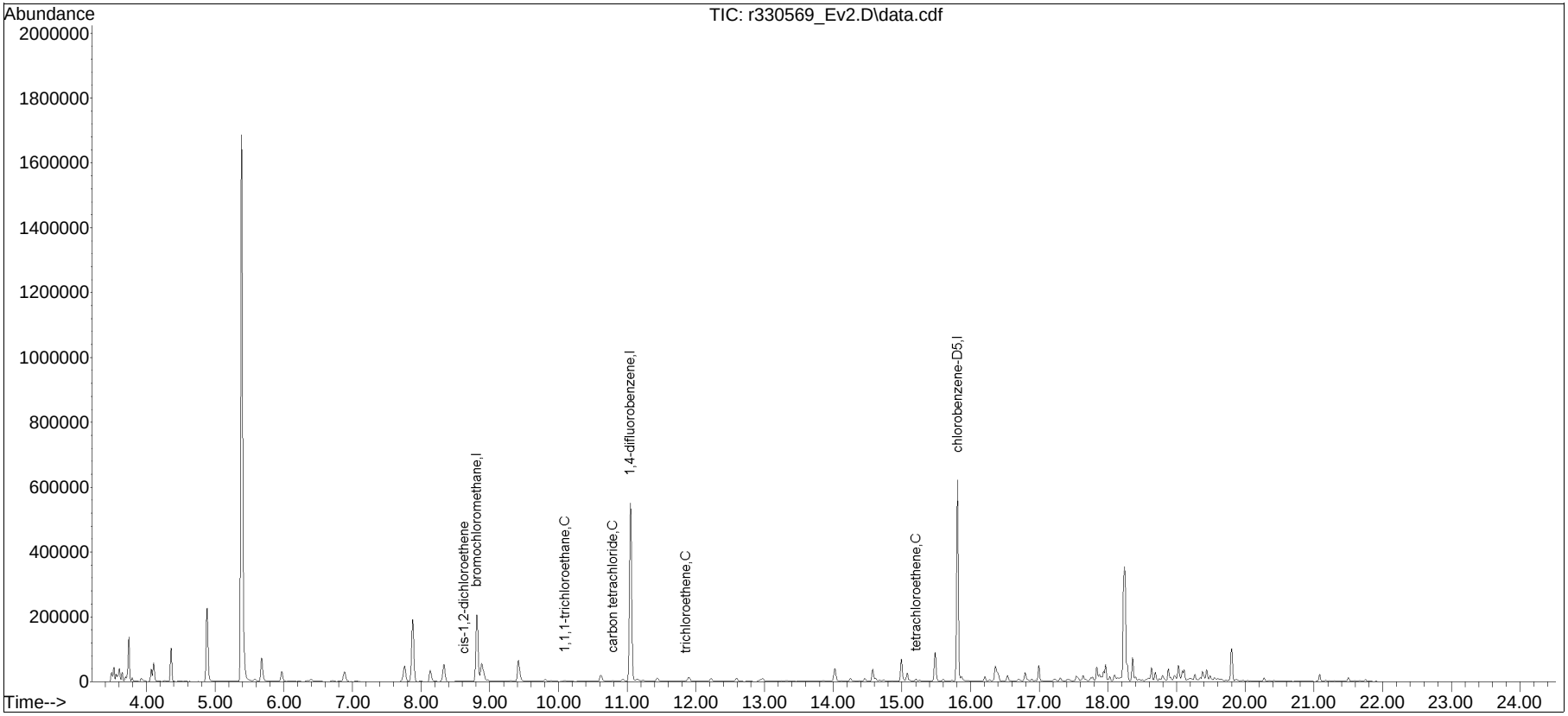
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.808	49	219143	10.000	ppbV	0.00
Standard Area = 219314			Recovery = 99.92%			
33) 1,4-difluorobenzene	11.047	114	714774	10.000	ppbV	0.00
Standard Area = 710078			Recovery = 100.66%			
51) chlorobenzene-D5	15.808	54	106828	10.000	ppbV	0.00
Standard Area = 103793			Recovery = 102.92%			
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	0.000		0	N.D.		
17) 1,1-dichloroethene	0.000		0	N.D.		
28) cis-1,2-dichloroethene	8.625	61	315	0.013	ppbV	91
36) 1,1,1-trichloroethane	10.092	97	2870M4	0.126	ppbV	
38) carbon tetrachloride	10.793	117	1694	0.081	ppbV	98
44) trichloroethene	11.853	130	470M4	0.022	ppbV	
57) tetrachloroethene	15.208	166	4785	0.137	ppbV	95

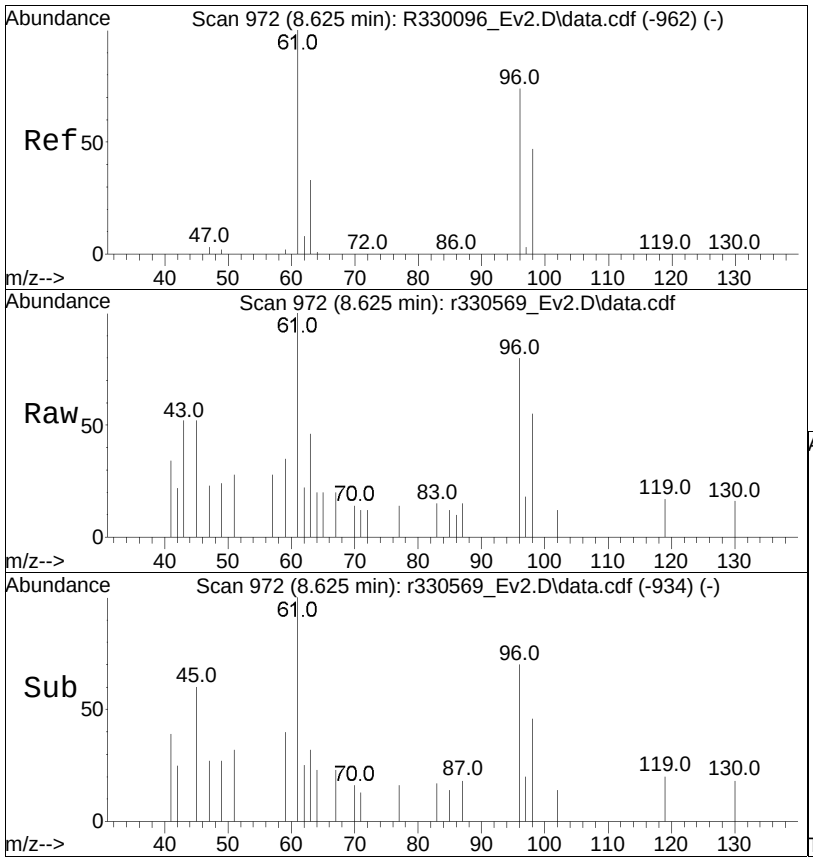
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .\Data\Airpiano3\2024\04\0423SIM\r330562_Ev2.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330569_Ev2.D
Acq On : 23 Apr 2024 9:48 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-03,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:28:53 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:11:14 2024
Response via : Initial Calibration

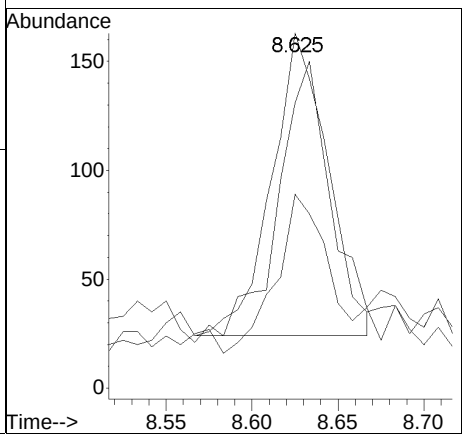


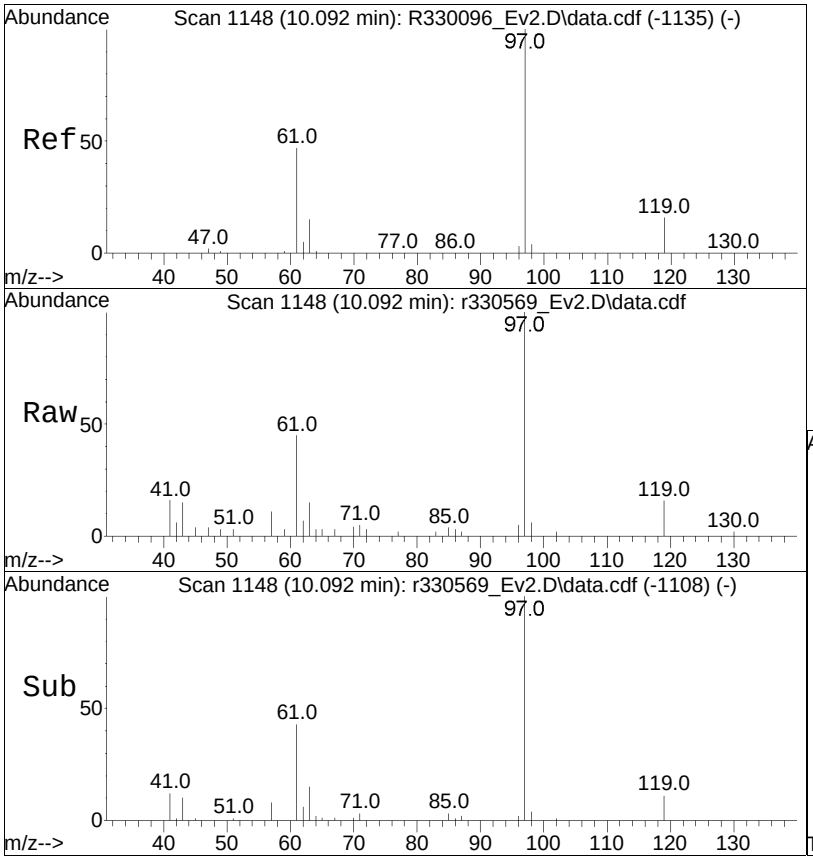


#28
cis-1,2-dichloroethene
Concen: 0.01 ppbV
RT: 8.625 min Scan# 972
Delta R.T. 0.000 min
Lab File: r330569_Ev2.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion: 61 Resp: 315

Ion	Ratio	Lower	Upper
61	100		
96	80.4	59.2	88.8
98	54.6	37.9	56.9

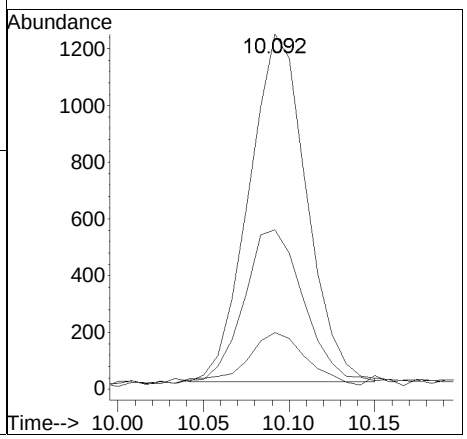


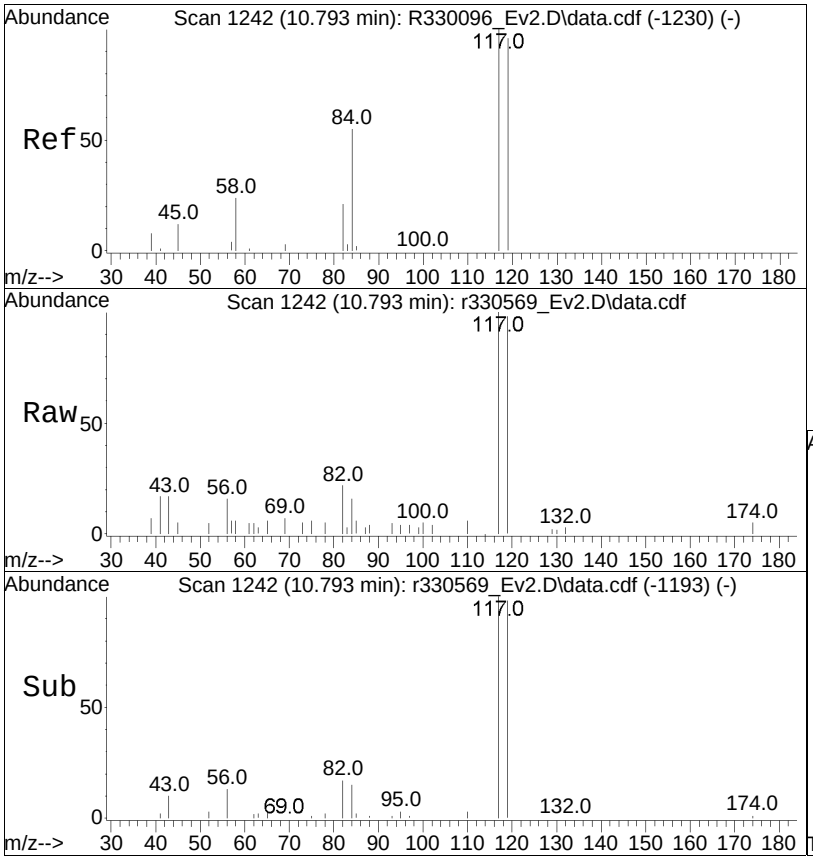


#36
1,1,1-trichloroethane
Concen: 0.13 ppbV m
RT: 10.092 min Scan# 1148
Delta R.T. 0.000 min
Lab File: r330569_Ev2.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion: 97 Resp: 2870

Ion	Ratio	Lower	Upper
97	100		
61	44.9	37.4	56.2
119	16.0	12.9	19.3

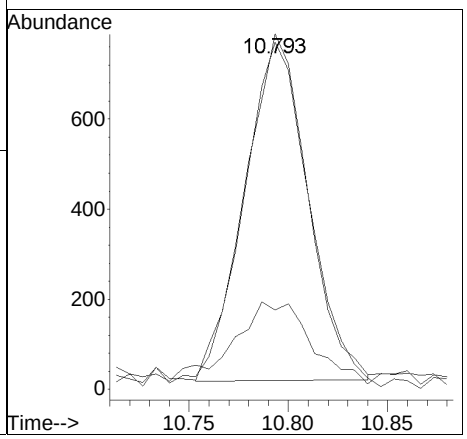


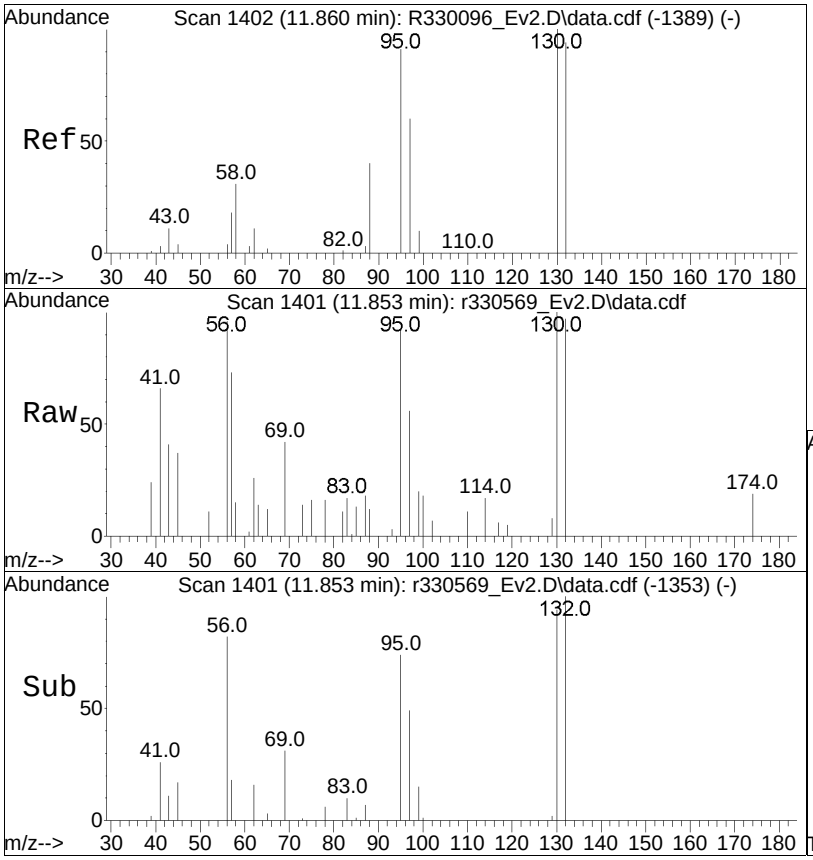


#38
carbon tetrachloride
Concen: 0.08 ppbV
RT: 10.793 min Scan# 1242
Delta R.T. 0.000 min
Lab File: r330569_Ev2.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion:117 Resp: 1694

Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.5	114.7
82	22.3	16.9	25.3

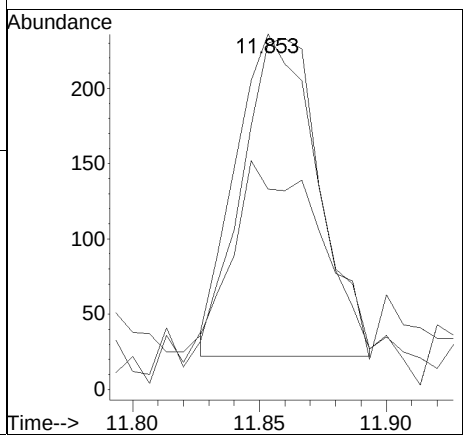


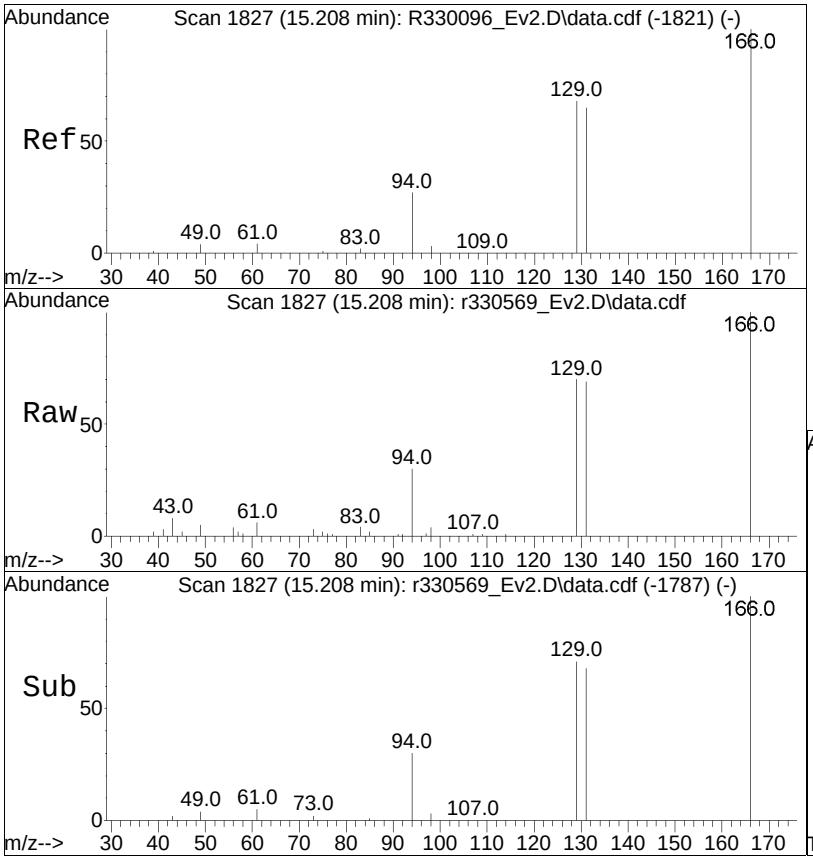


#44
trichloroethene
Concen: 0.02 ppbV m
RT: 11.853 min Scan# 1401
Delta R.T. -0.007 min
Lab File: r330569_Ev2.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion:130 Resp: 470

Ion	Ratio	Lower	Upper
130	100		
132	97.5	75.5	113.3
97	56.4	47.8	71.6

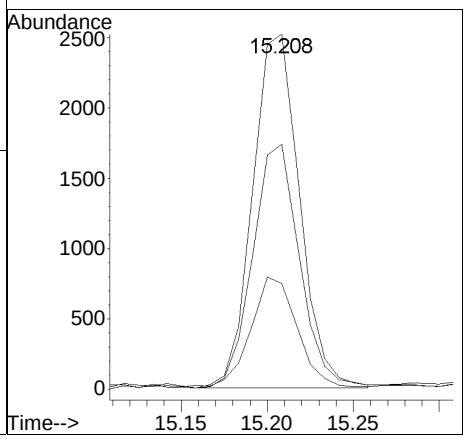




#57
tetrachloroethene
Concen: 0.14 ppbV
RT: 15.208 min Scan# 1827
Delta R.T. 0.000 min
Lab File: r330569_Ev2.D
Acq: 23 Apr 2024 9:48 PM

Tgt Ion:166 Resp: 4785

Ion	Ratio	Lower	Upper
166	100		
131	69.0	51.8	77.8
94	29.8	21.9	32.9

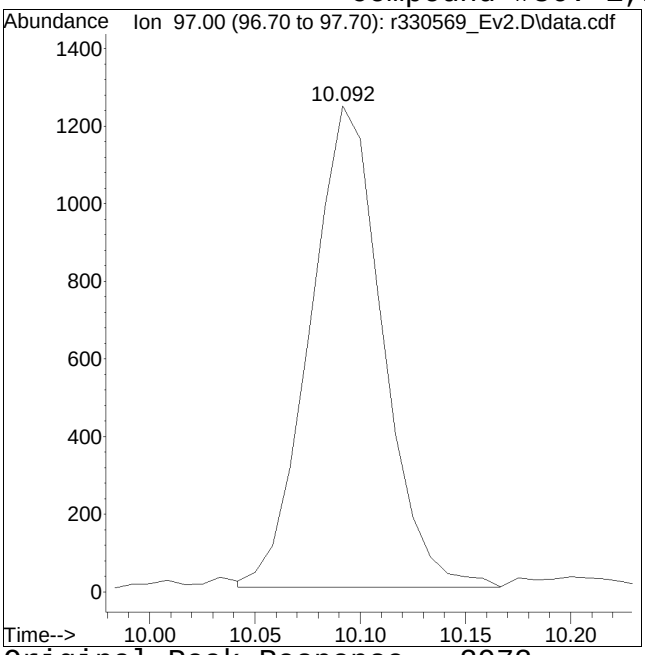


Manual Integration Report

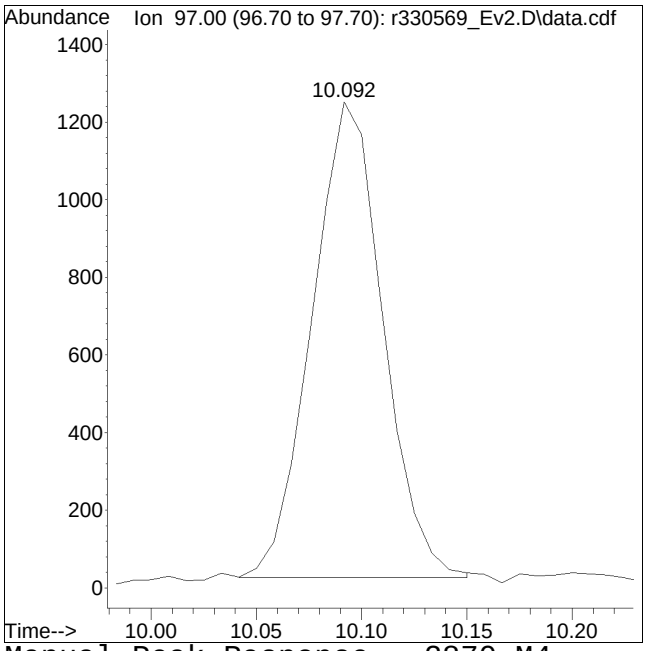
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330569_Ev2.D
Date Inj'd : 4/23/2020 0:9: 8
Sample : L2419731-03,3,250,250

Method : TSIM3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:28 am

Compound #36: 1,1,1-trichloroethane



Original Peak Response = 2972



Manual Peak Response = 2870 M4

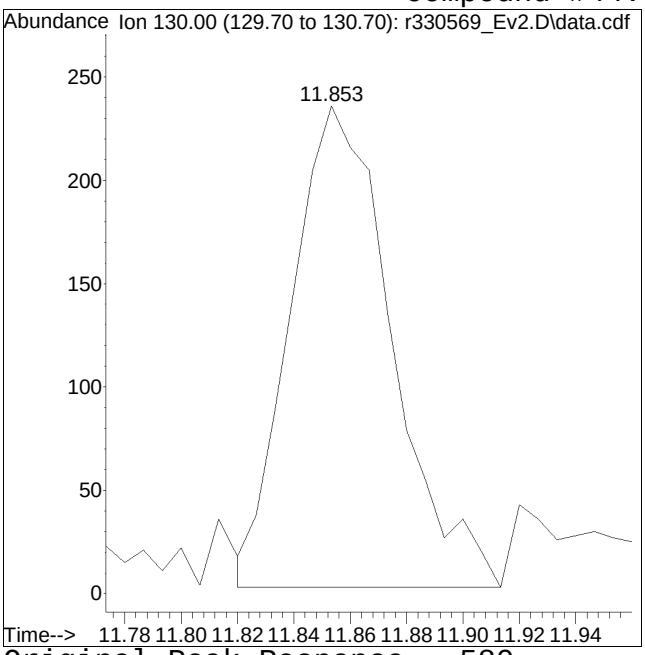
M4 = Poor automated baseline construction.

Manual Integration Report

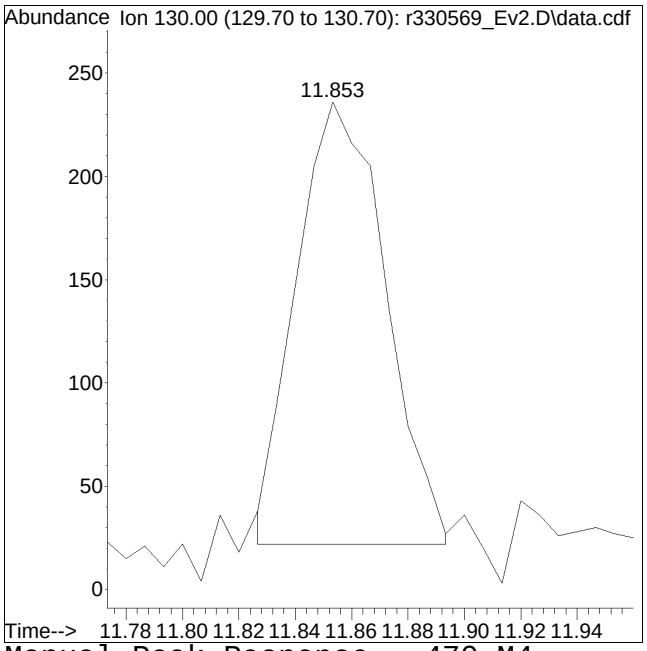
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330569_Ev2.D
Date Inj'd : 4/23/2020 0:9: 8
Sample : L2419731-03,3,250,250

Method : TSIM3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/24/2024 7:28 am

Compound #44: trichloroethene



Original Peak Response = 580



Manual Peak Response = 470 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330570_Ev2.D
Acq On : 23 Apr 2024 10:28 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-04,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:28:59 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:11:14 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\r330562_Ev2.D
Sub List : 7-NY-SIM - .

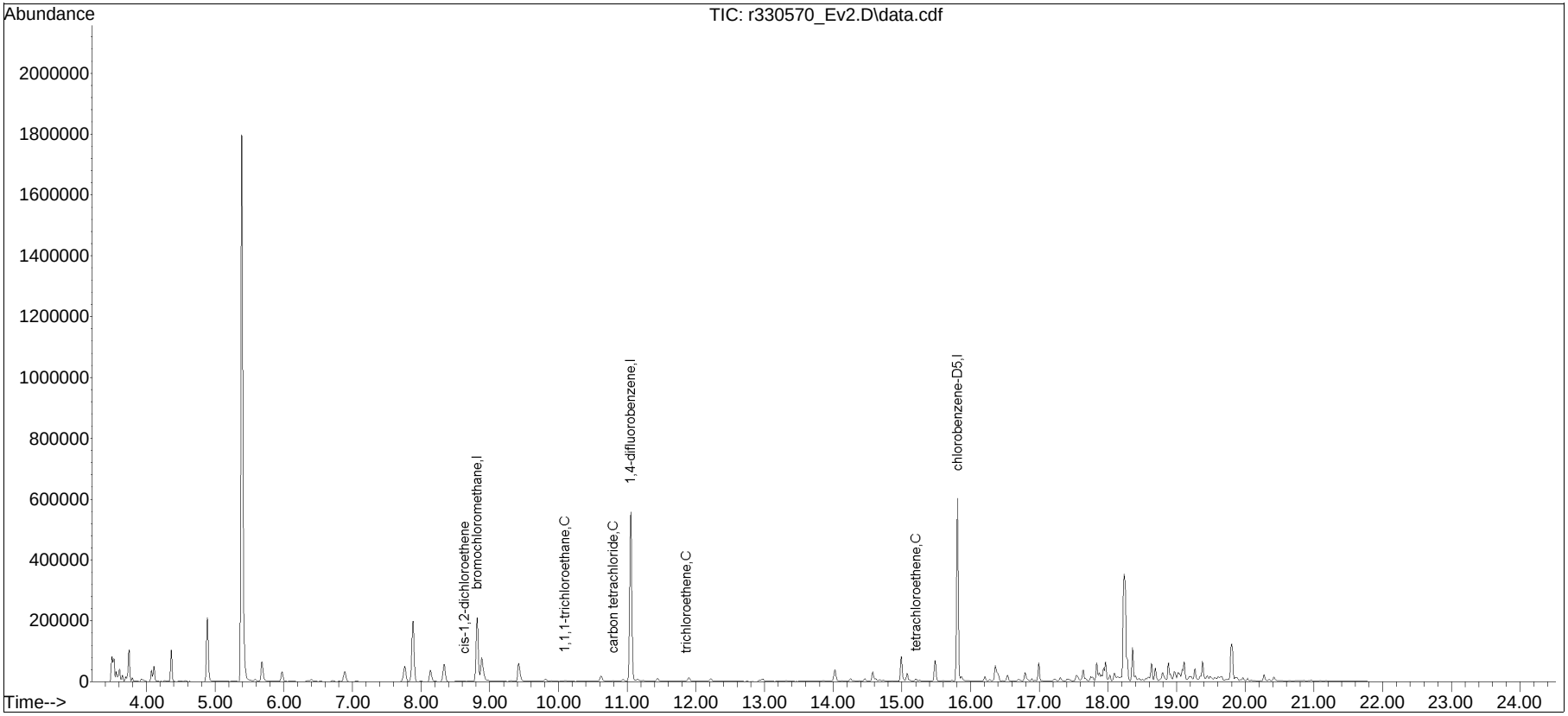
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.817	49	215670	10.000	ppbV	0.00
Standard Area = 219314			Recovery = 98.34%			
33) 1,4-difluorobenzene	11.053	114	705609	10.000	ppbV	0.00
Standard Area = 710078			Recovery = 99.37%			
51) chlorobenzene-D5	15.808	54	104434	10.000	ppbV	0.00
Standard Area = 103793			Recovery = 100.62%			
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	0.000		0	N.D.		
17) 1,1-dichloroethene	0.000		0	N.D.		
28) cis-1,2-dichloroethene	8.633	61	288	0.012	ppbV #	85
36) 1,1,1-trichloroethane	10.092	97	2974	0.132	ppbV	100
38) carbon tetrachloride	10.800	117	1532M4	0.074	ppbV	
44) trichloroethene	11.860	130	449M4	0.021	ppbV	
57) tetrachloroethene	15.208	166	5503	0.161	ppbV	97

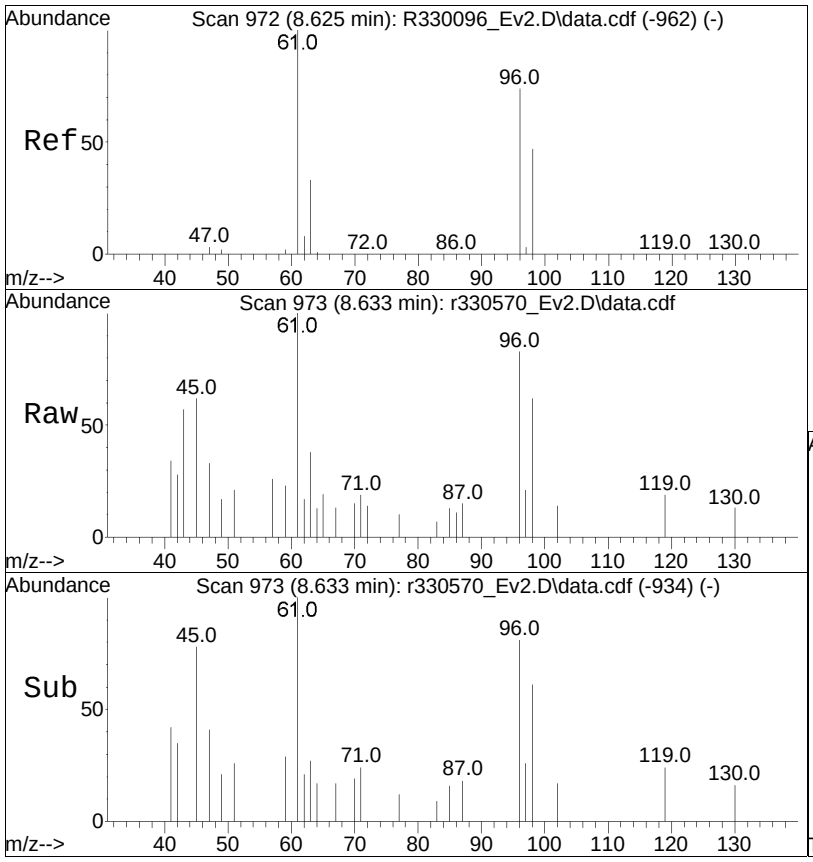
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .\Data\Airpiano3\2024\04\0423SIM\r330562_Ev2.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330570_Ev2.D
Acq On : 23 Apr 2024 10:28 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-04,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:28:59 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:11:14 2024
Response via : Initial Calibration

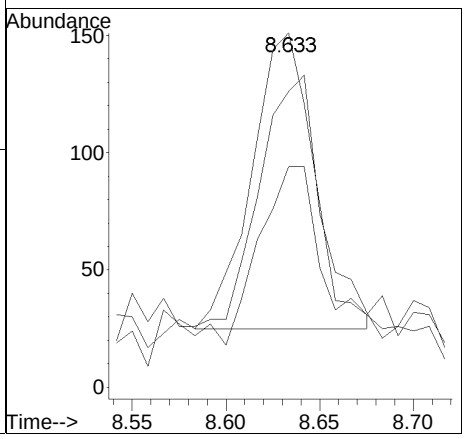


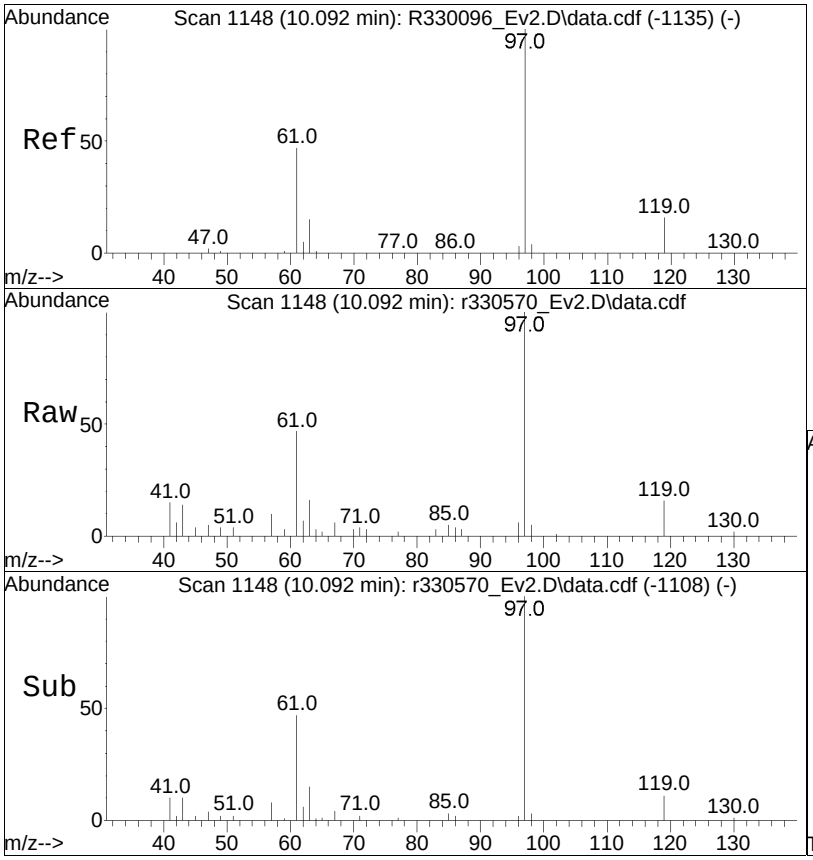


#28
cis-1,2-dichloroethene
Concen: 0.01 ppbV
RT: 8.633 min Scan# 973
Delta R.T. 0.008 min
Lab File: r330570_Ev2.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion: 61 Resp: 288

Ion	Ratio	Lower	Upper
61	100		
96	83.4	59.2	88.8
98	62.3	37.9	56.9#

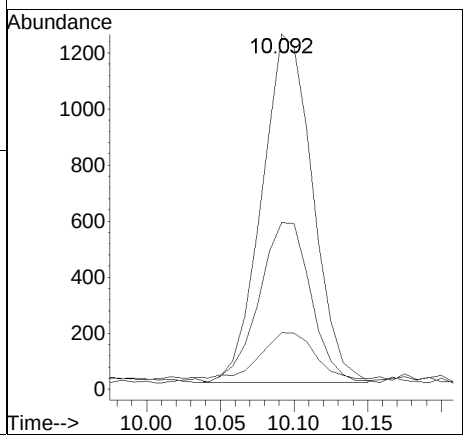


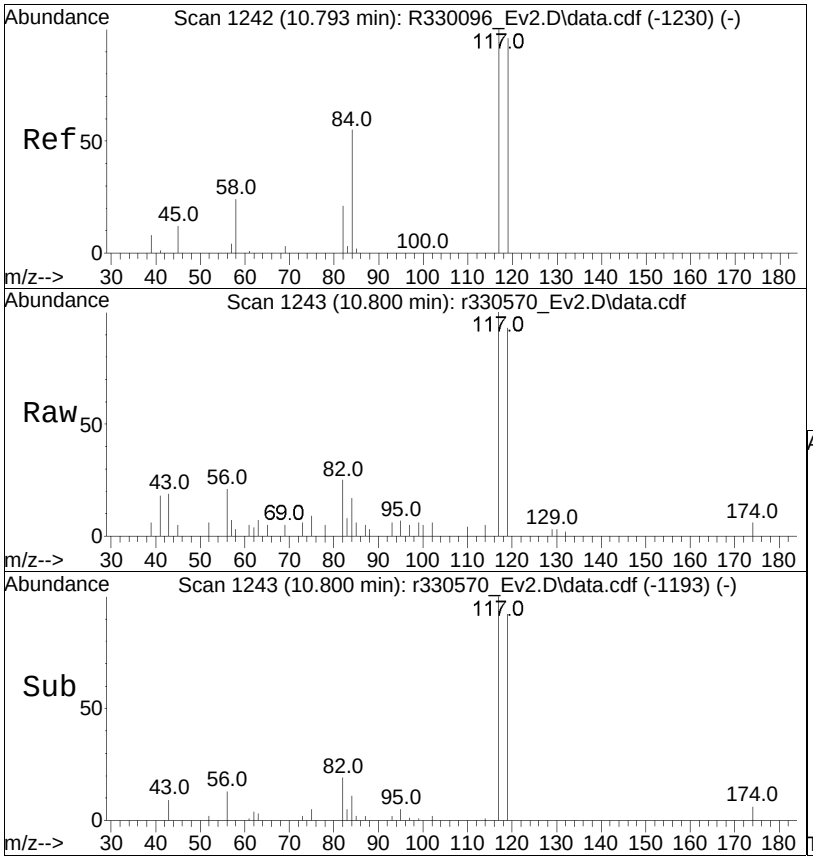


#36
1,1,1-trichloroethane
Concen: 0.13 ppbV
RT: 10.092 min Scan# 1148
Delta R.T. 0.000 min
Lab File: r330570_Ev2.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion: 97 Resp: 2974

Ion	Ratio	Lower	Upper
97	100		
61	47.0	37.4	56.2
119	16.0	12.9	19.3

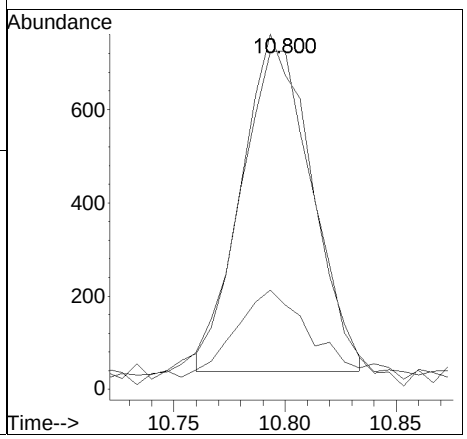


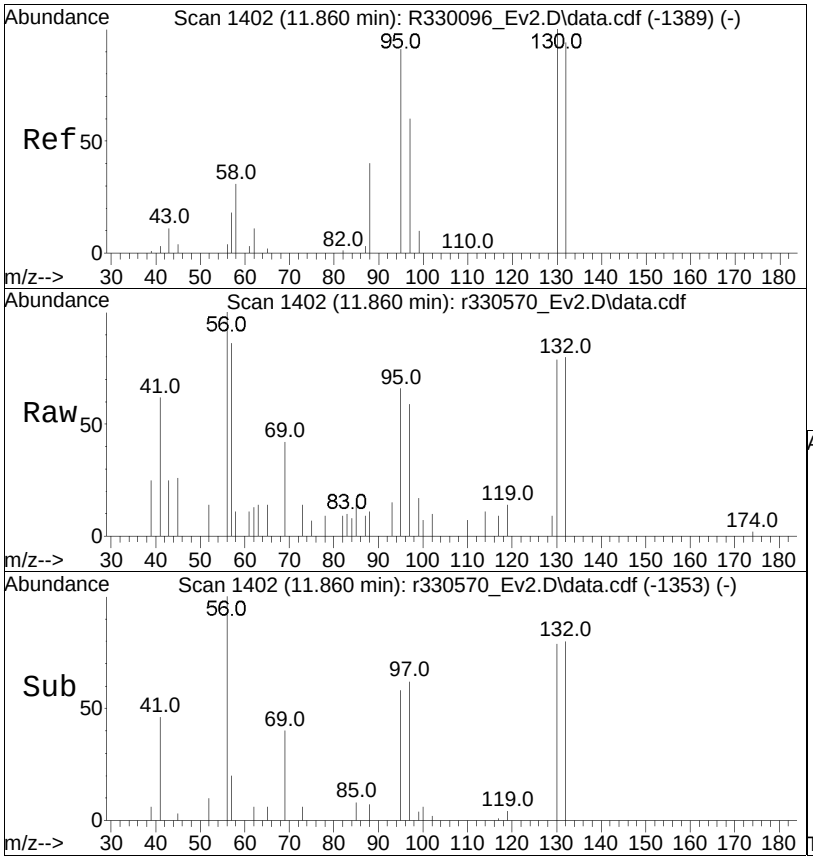


#38
carbon tetrachloride
Concen: 0.07 ppbV m
RT: 10.800 min Scan# 1243
Delta R.T. 0.007 min
Lab File: r330570_Ev2.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion:117 Resp: 1532

Ion	Ratio	Lower	Upper
117	100		
119	92.8	76.5	114.7
82	24.9	16.9	25.3

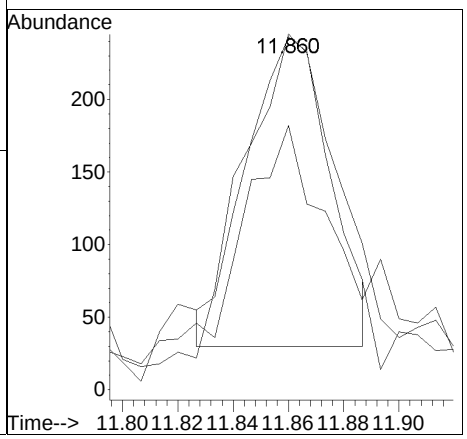


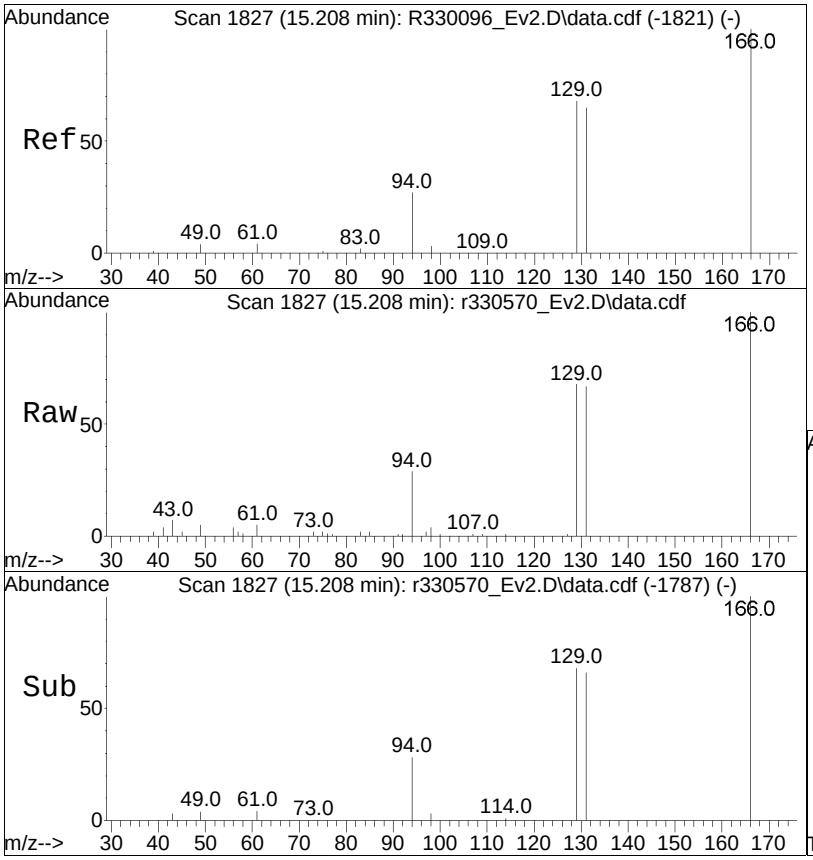


#44
trichloroethene
Concen: 0.02 ppbV m
RT: 11.860 min Scan# 1402
Delta R.T. 0.000 min
Lab File: r330570_Ev2.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion:130 Resp: 449

Ion	Ratio	Lower	Upper
130	100		
132	100.8	75.5	113.3
97	74.9	47.8	71.6#

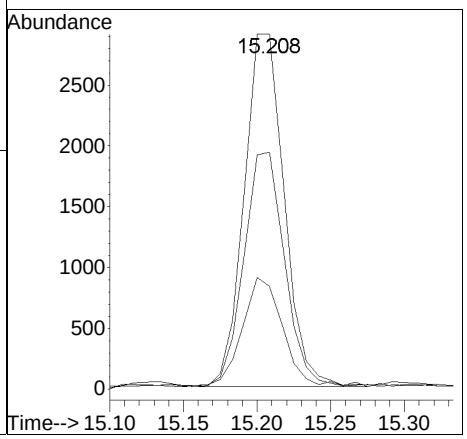




#57
tetrachloroethene
Concen: 0.16 ppbV
RT: 15.208 min Scan# 1827
Delta R.T. 0.000 min
Lab File: r330570_Ev2.D
Acq: 23 Apr 2024 10:28 PM

Tgt Ion:166 Resp: 5503

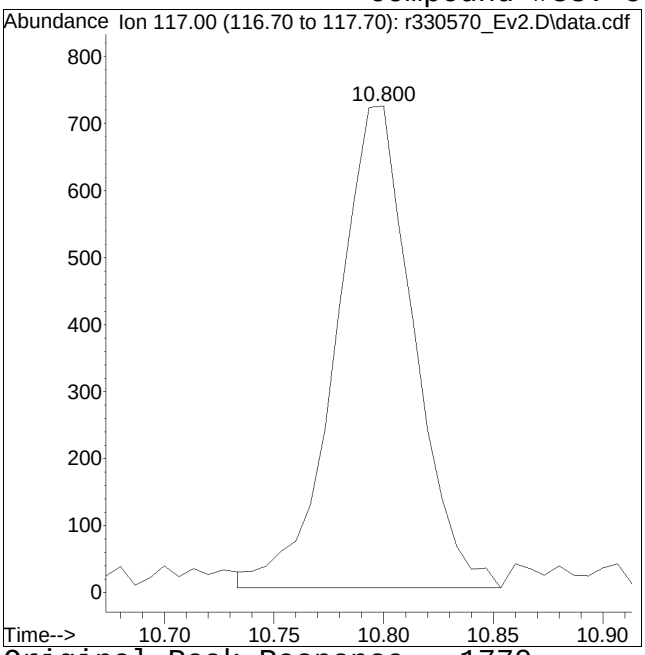
Ion	Ratio	Lower	Upper
166	100		
131	66.8	51.8	77.8
94	29.0	21.9	32.9



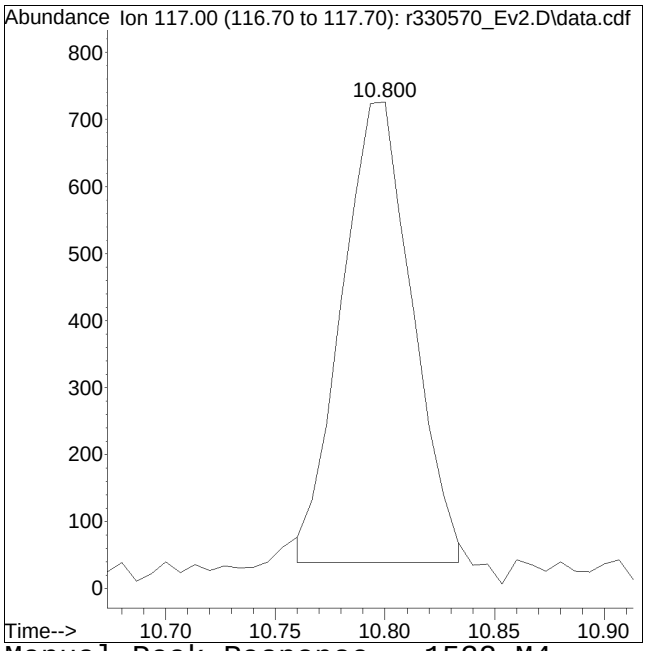
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : r330570_Ev2.D Operator : AIRPIANO3:JMB
Date Inj'd : 4/23/2020 0:0: 8 Instrument :
Sample : L2419731-04,3,250,250 Quant Date : 4/24/2024 7:28 am

Compound #38: carbon tetrachloride



Original Peak Response = 1770



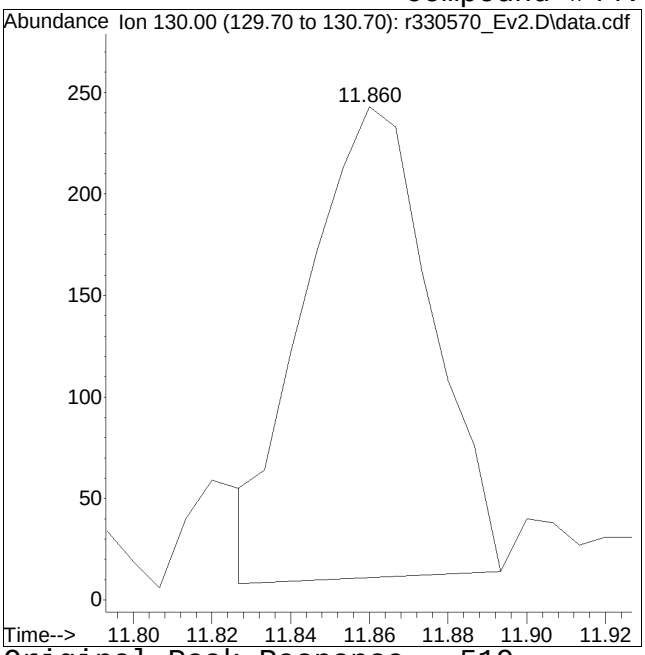
Manual Peak Response = 1532 M4

M4 = Poor automated baseline construction.

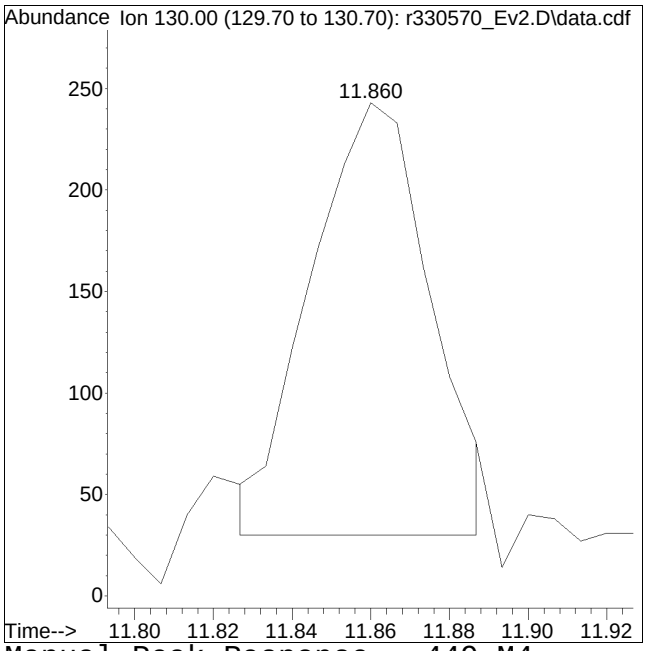
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : r330570_Ev2.D Operator : AIRPIANO3:JMB
Date Inj'd : 4/23/2020 0:0: 8 Instrument :
Sample : L2419731-04,3,250,250 Quant Date : 4/24/2024 7:28 am

Compound #44: trichloroethene



Original Peak Response = 519



Manual Peak Response = 449 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330571_Ev2.D
Acq On : 23 Apr 2024 11:09 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-05,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:29:05 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:11:14 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\r330562_Ev2.D
Sub List : 7-NY-SIM - .

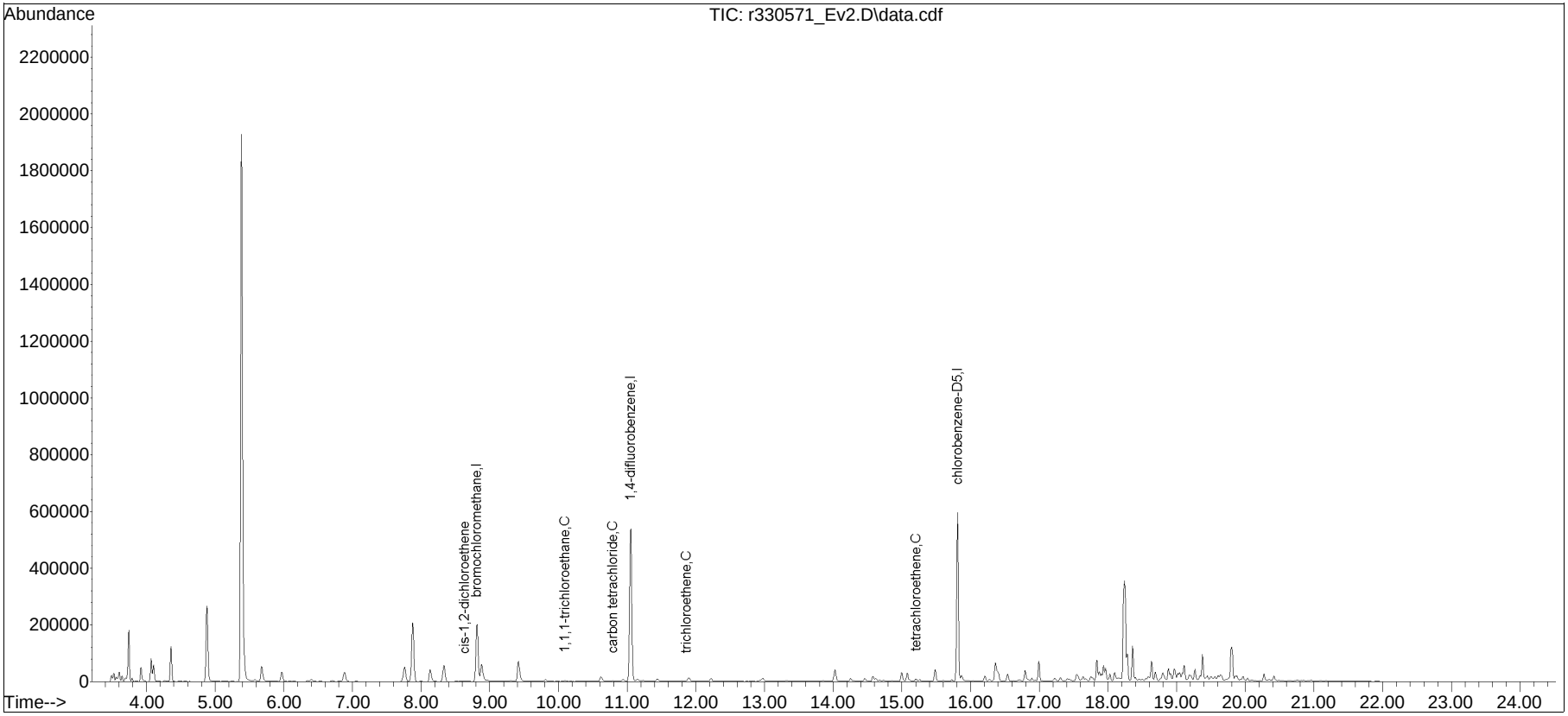
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.808	49	214456	10.000	ppbV	0.00
Standard Area = 219314			Recovery = 97.78%			
33) 1,4-difluorobenzene	11.053	114	698538	10.000	ppbV	0.00
Standard Area = 710078			Recovery = 98.37%			
51) chlorobenzene-D5	15.808	54	104832	10.000	ppbV	0.00
Standard Area = 103793			Recovery = 101.00%			
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	0.000		0	N.D.		
17) 1,1-dichloroethene	6.268		0	N.D.		
28) cis-1,2-dichloroethene	8.633	61	334	0.014	ppbV #	85
36) 1,1,1-trichloroethane	10.092	97	3029	0.136	ppbV	99
38) carbon tetrachloride	10.793	117	1630	0.079	ppbV	96
44) trichloroethene	11.860	130	576M4	0.027	ppbV	
57) tetrachloroethene	15.208	166	5697	0.166	ppbV	97

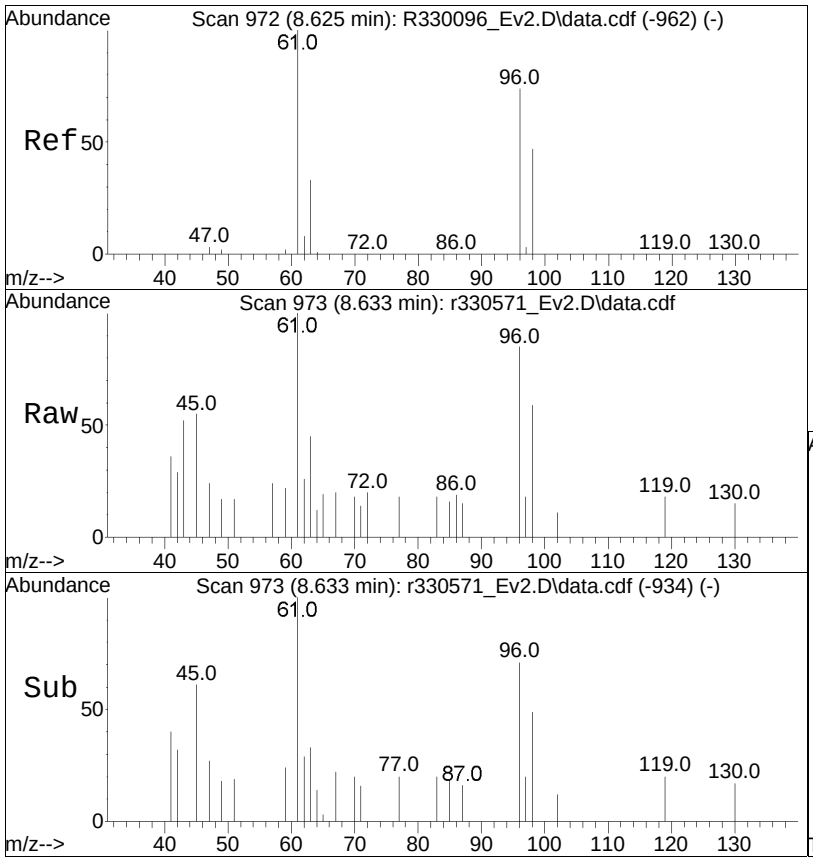
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .\Data\Airpiano3\2024\04\0423SIM\r330562_Ev2.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330571_Ev2.D
Acq On : 23 Apr 2024 11:09 PM
Operator : AIRPIANO3:JMB
Sample : L2419731-05,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:29:05 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:11:14 2024
Response via : Initial Calibration

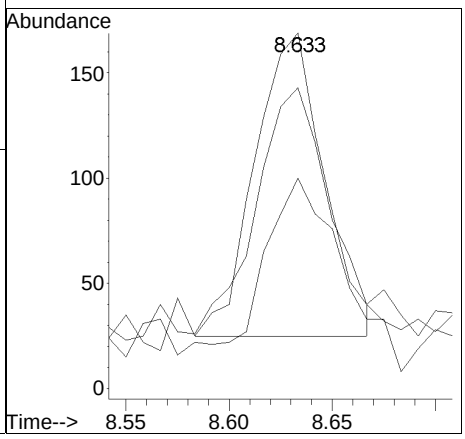


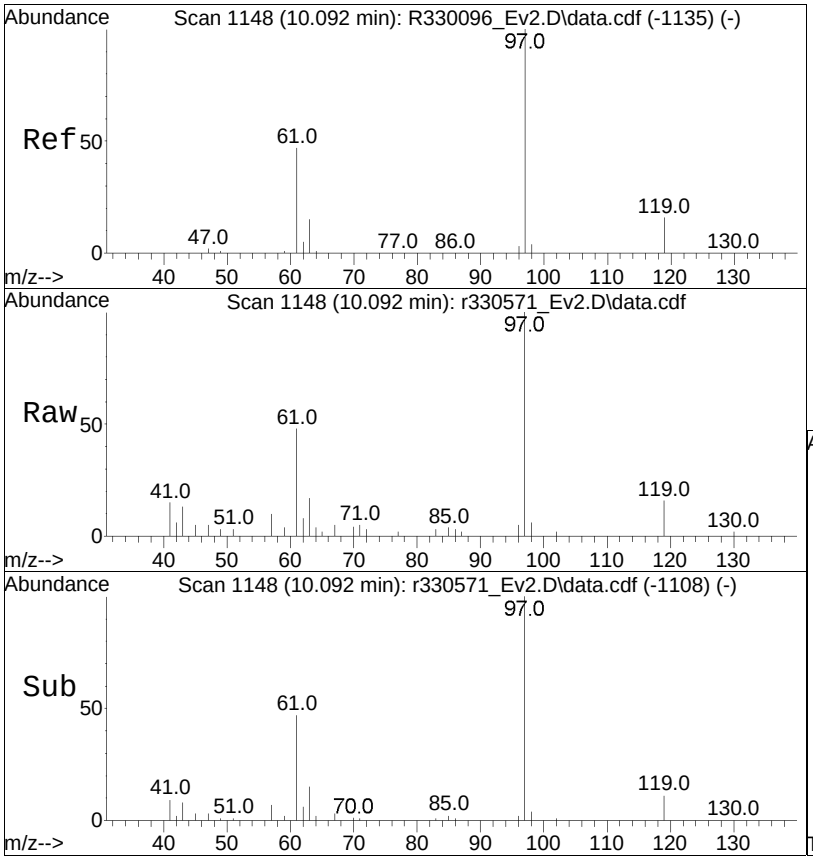


#28
cis-1,2-dichloroethene
Concen: 0.01 ppbV
RT: 8.633 min Scan# 973
Delta R.T. 0.008 min
Lab File: r330571_Ev2.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion: 61 Resp: 334

Ion	Ratio	Lower	Upper
61	100		
96	84.6	59.2	88.8
98	59.2	37.9	56.9#

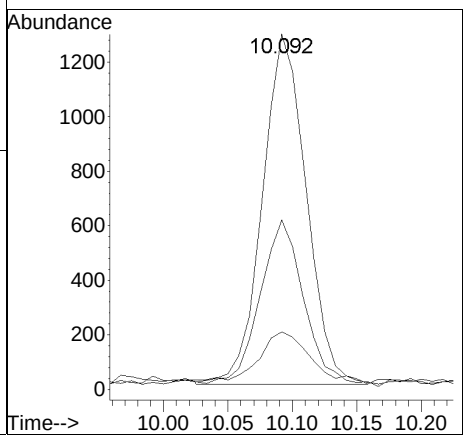


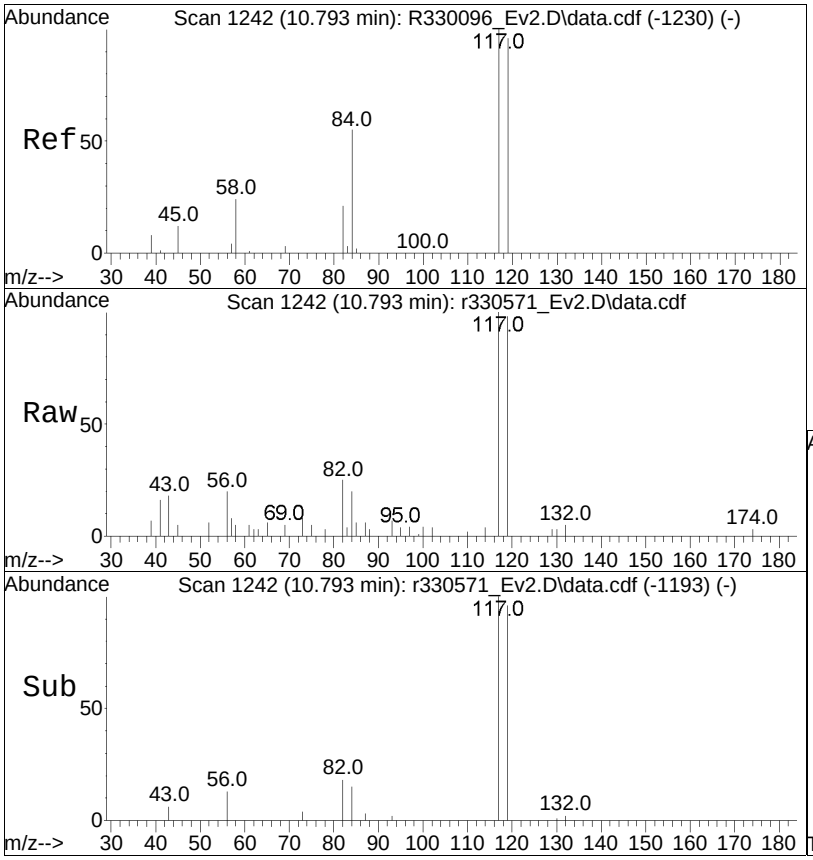


#36
1,1,1-trichloroethane
Concen: 0.14 ppbV
RT: 10.092 min Scan# 1148
Delta R.T. 0.000 min
Lab File: r330571_Ev2.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion: 97 Resp: 3029

Ion	Ratio	Lower	Upper
97	100		
61	47.7	37.4	56.2
119	16.2	12.9	19.3

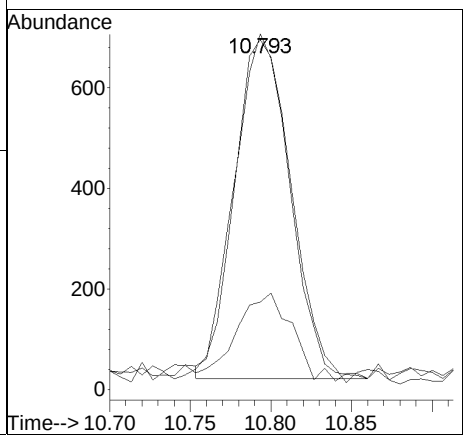


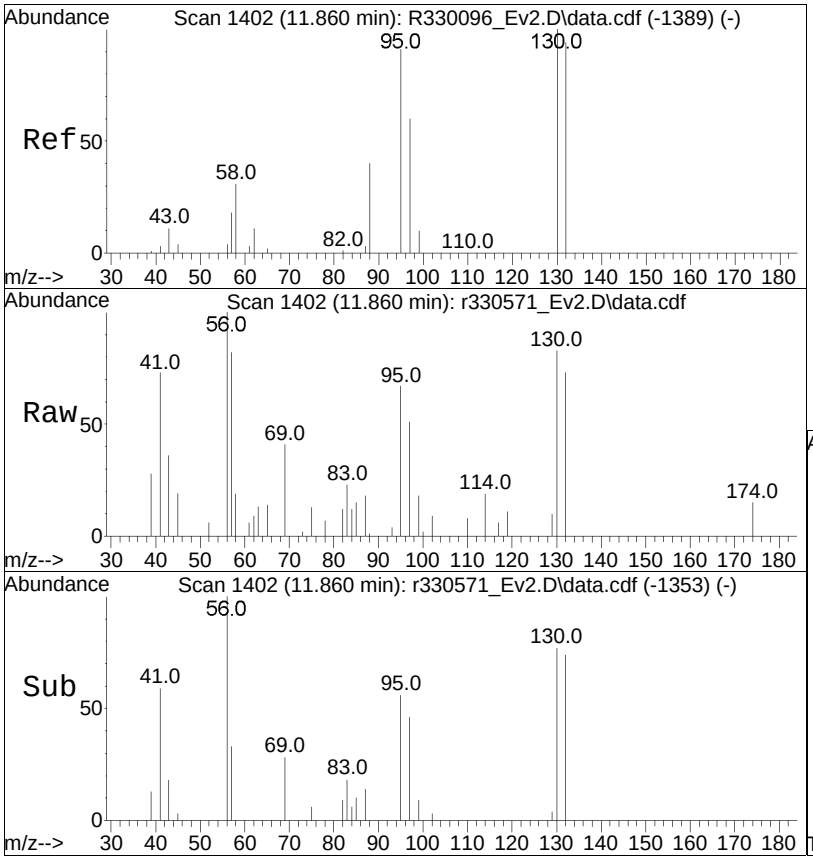


#38
carbon tetrachloride
Concen: 0.08 ppbV
RT: 10.793 min Scan# 1242
Delta R.T. 0.000 min
Lab File: r330571_Ev2.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion:117 Resp: 1630

Ion	Ratio	Lower	Upper
117	100		
119	98.4	76.5	114.7
82	24.6	16.9	25.3

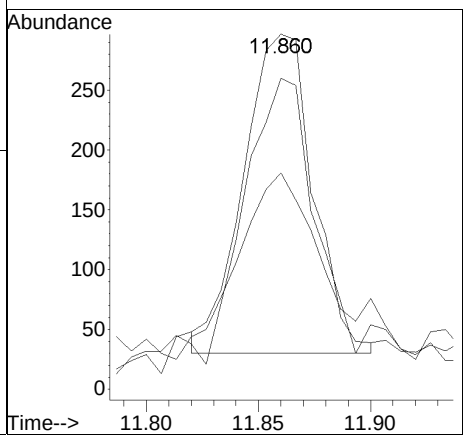


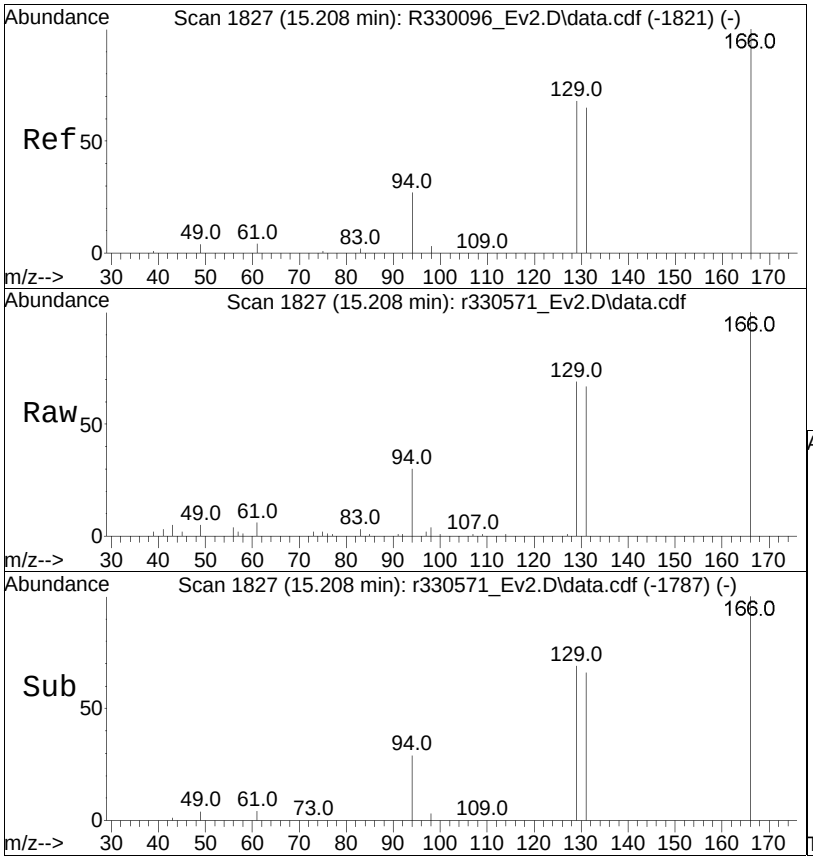


#44
trichloroethene
Concen: 0.03 ppbV m
RT: 11.860 min Scan# 1402
Delta R.T. 0.000 min
Lab File: r330571_Ev2.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion:130 Resp: 576

Ion	Ratio	Lower	Upper
130	100		
132	87.5	75.5	113.3
97	60.9	47.8	71.6

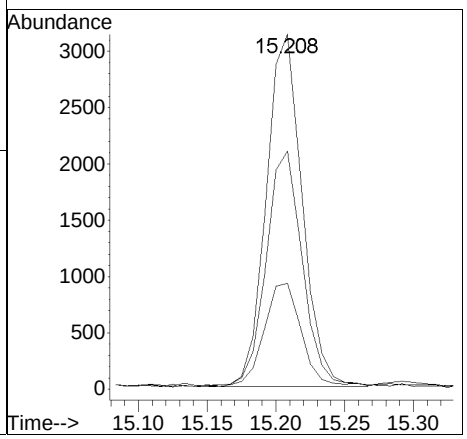




#57
tetrachloroethene
Concen: 0.17 ppbV
RT: 15.208 min Scan# 1827
Delta R.T. 0.000 min
Lab File: r330571_Ev2.D
Acq: 23 Apr 2024 11:09 PM

Tgt Ion:166 Resp: 5697

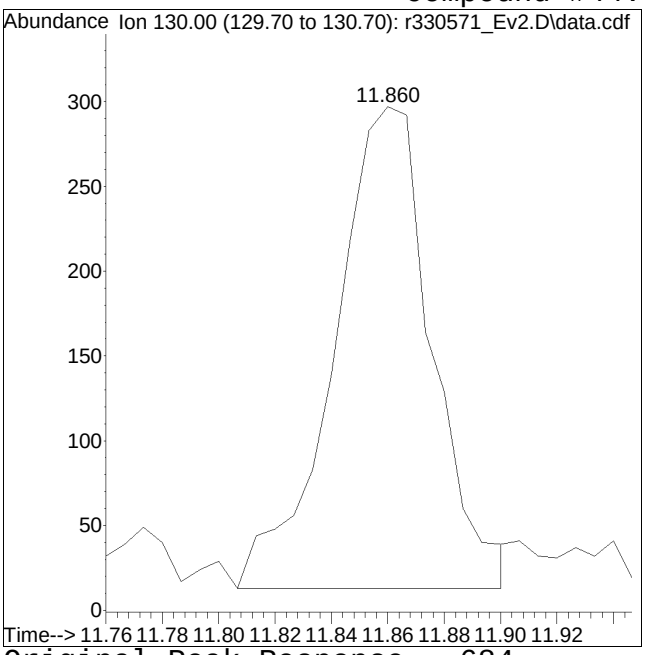
Ion	Ratio	Lower	Upper
166	100		
131	67.0	51.8	77.8
94	29.9	21.9	32.9



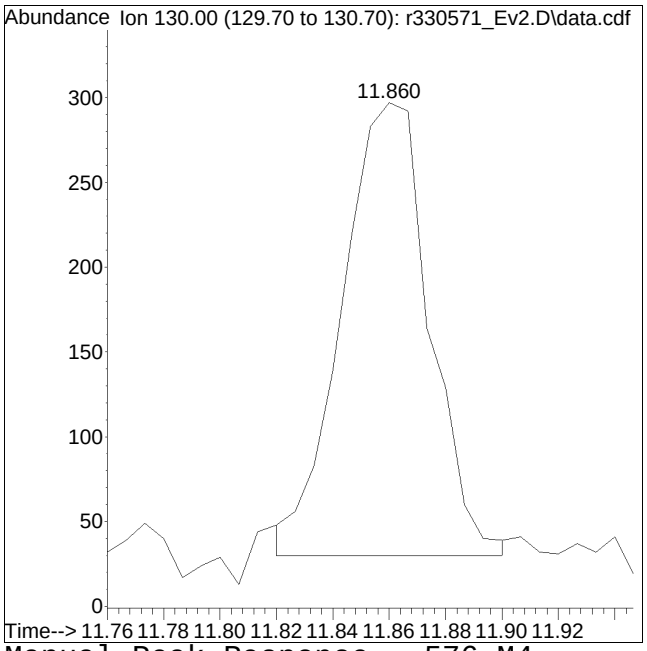
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : r330571_Ev2.D Operator : AIRPIANO3:JMB
Date Inj'd : 4/23/2020 0:1: 9 Instrument :
Sample : L2419731-05,3,250,250 Quant Date : 4/24/2024 7:29 am

Compound #44: trichloroethene



Original Peak Response = 684



Manual Peak Response = 576 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330573_Ev2.D
Acq On : 24 Apr 2024 12:30 AM
Operator : AIRPIANO3:JMB
Sample : L2419731-06,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:29:17 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:11:14 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\r330562_Ev2.D
Sub List : 7-NY-SIM - .

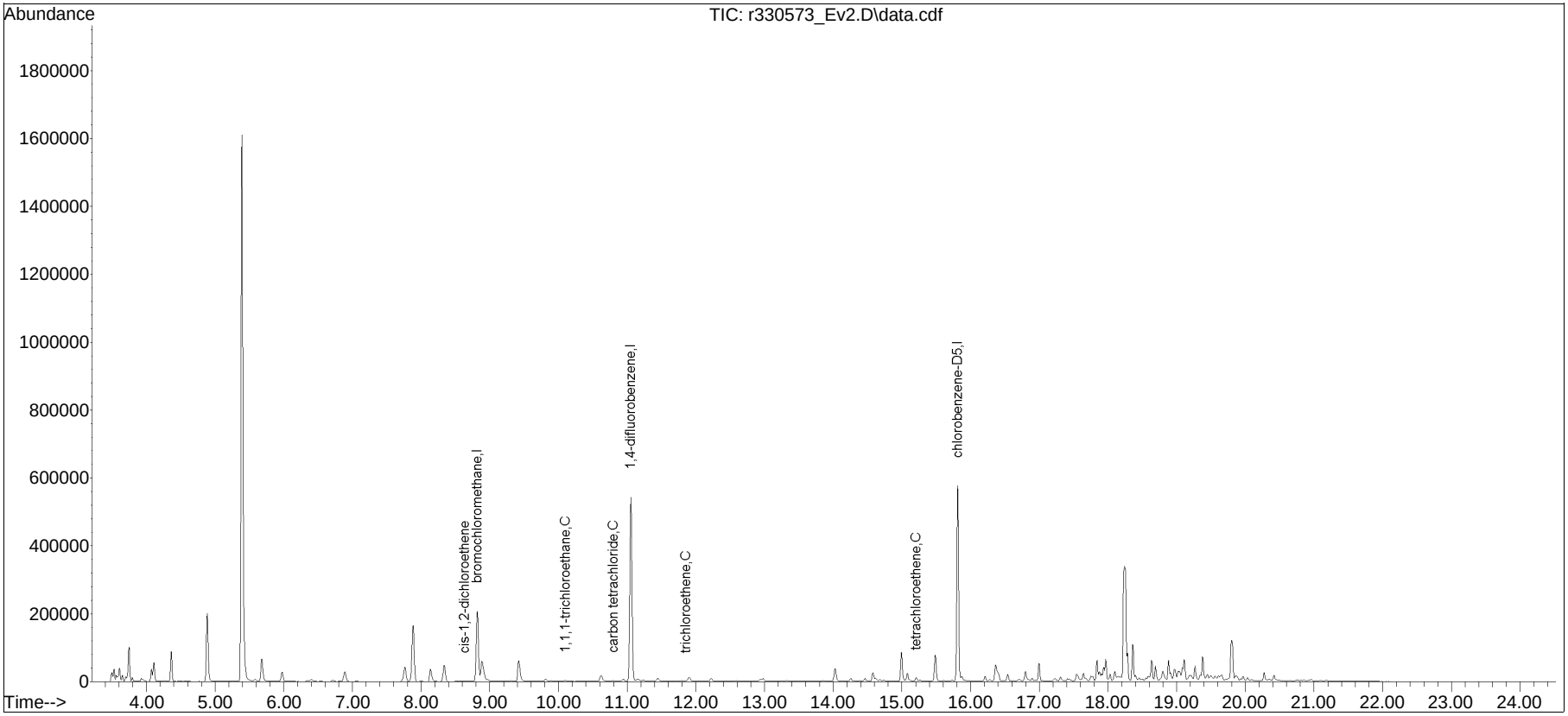
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.817	49	212214	10.000	ppbV	0.00
Standard Area = 219314			Recovery = 96.76%			
33) 1,4-difluorobenzene	11.053	114	692526	10.000	ppbV	0.00
Standard Area = 710078			Recovery = 97.53%			
51) chlorobenzene-D5	15.808	54	106210	10.000	ppbV	0.00
Standard Area = 103793			Recovery = 102.33%			
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	0.000		0	N.D.		
17) 1,1-dichloroethene	6.274		0	N.D.		
28) cis-1,2-dichloroethene	8.633	61	435M4	0.019	ppbV	
36) 1,1,1-trichloroethane	10.100	97	3298	0.150	ppbV	98
38) carbon tetrachloride	10.800	117	1666	0.082	ppbV	99
44) trichloroethene	11.853	130	578	0.028	ppbV	93
57) tetrachloroethene	15.208	166	6734	0.193	ppbV	97

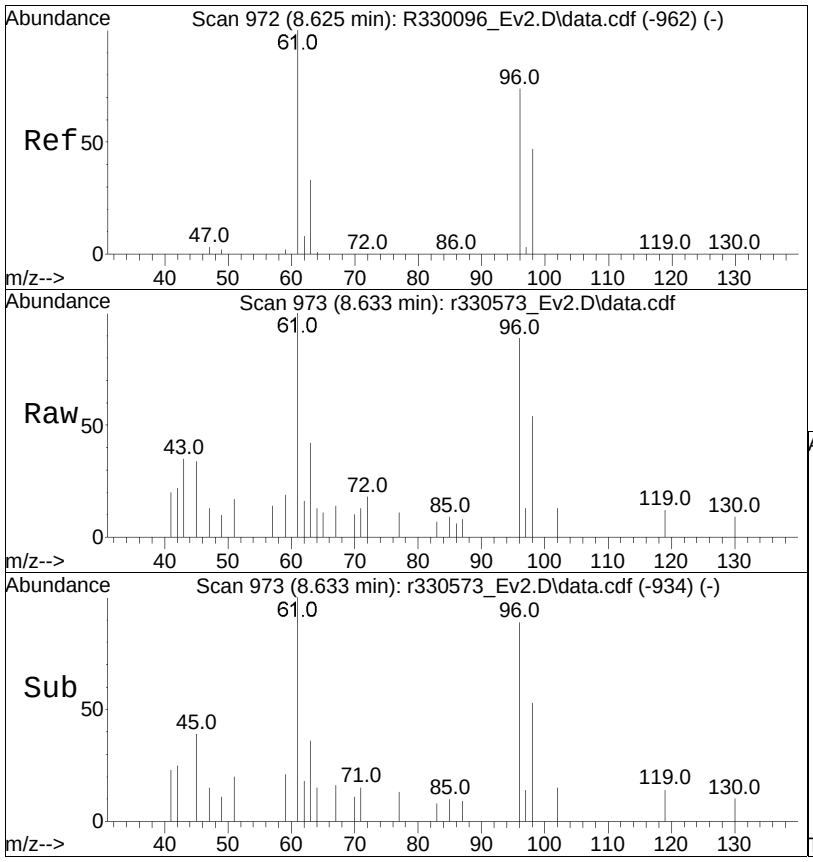
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .\Data\Airpiano3\2024\04\0423SIM\r330562_Ev2.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330573_Ev2.D
Acq On : 24 Apr 2024 12:30 AM
Operator : AIRPIANO3:JMB
Sample : L2419731-06,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:29:17 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:11:14 2024
Response via : Initial Calibration

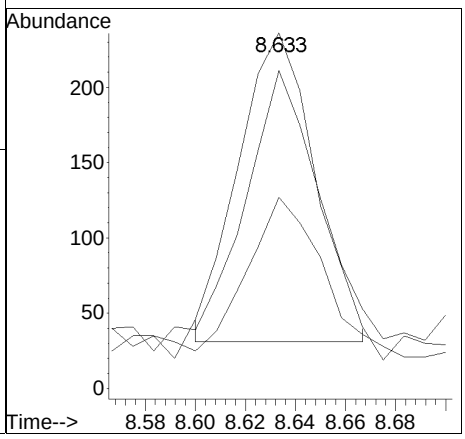


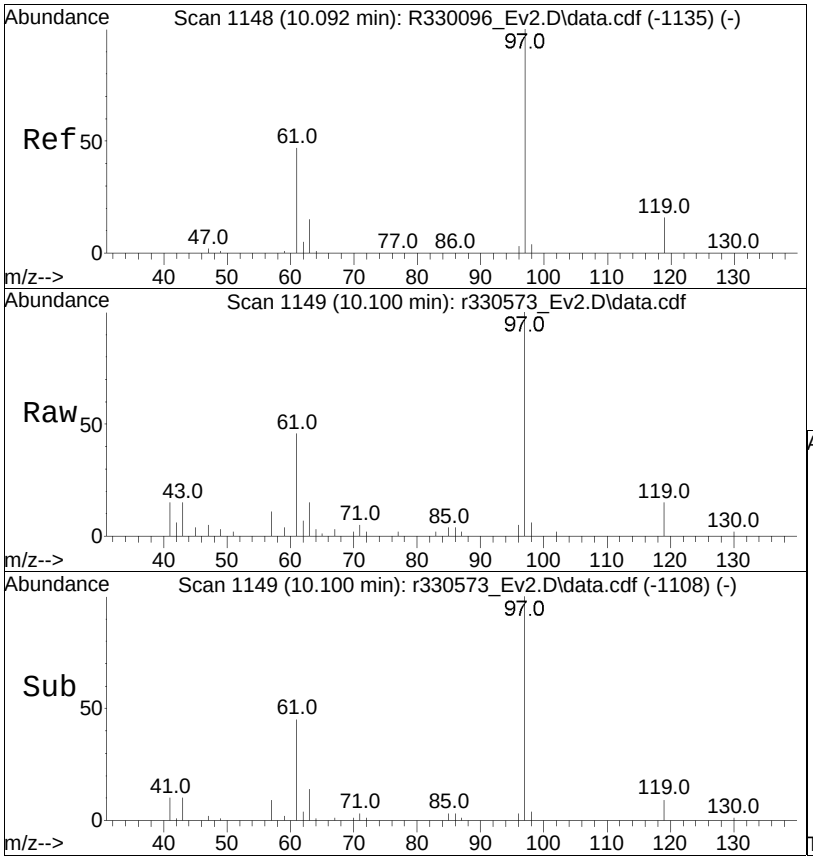


#28
cis-1,2-dichloroethene
Concen: 0.02 ppbV m
RT: 8.633 min Scan# 973
Delta R.T. 0.008 min
Lab File: r330573_Ev2.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion: 61 Resp: 435

Ion	Ratio	Lower	Upper
61	100		
96	89.4	59.2	88.8#
98	53.8	37.9	56.9

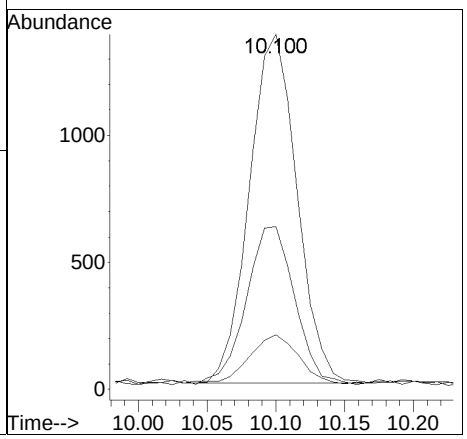


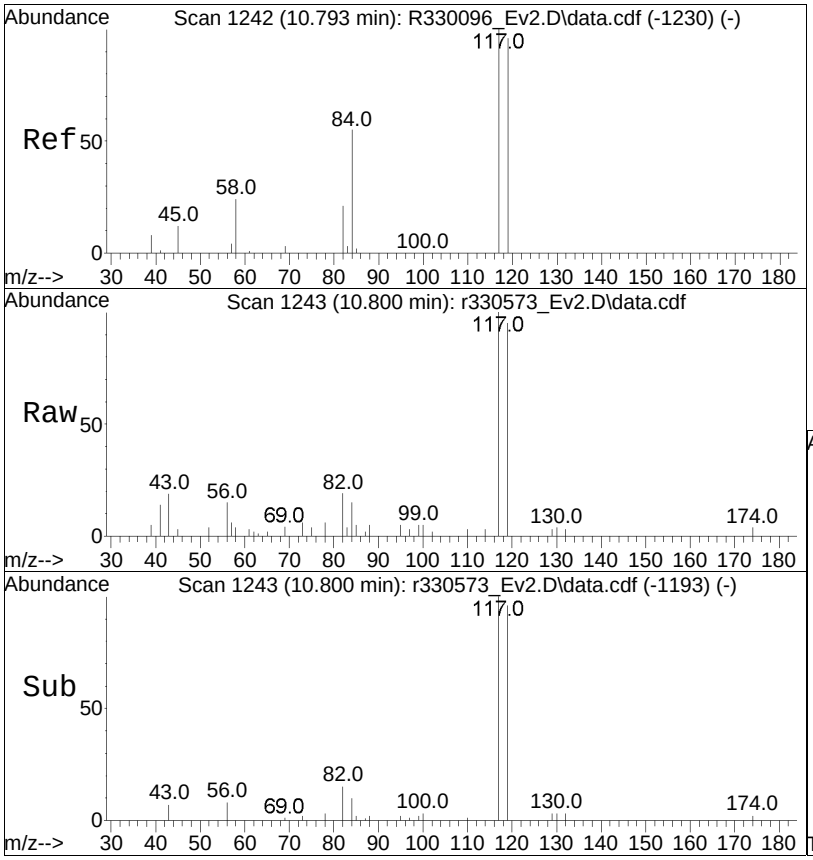


#36
1,1,1-trichloroethane
Concen: 0.15 ppbV
RT: 10.100 min Scan# 1149
Delta R.T. 0.008 min
Lab File: r330573_Ev2.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion: 97 Resp: 3298

Ion	Ratio	Lower	Upper
97	100		
61	45.8	37.4	56.2
119	15.4	12.9	19.3

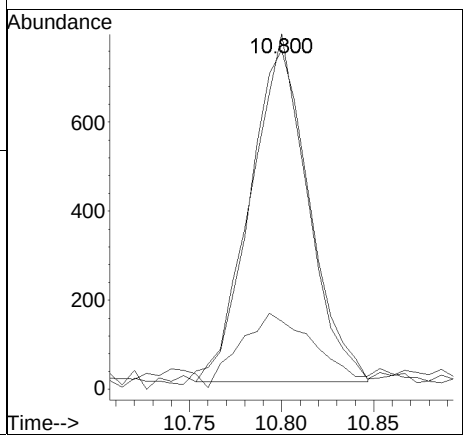


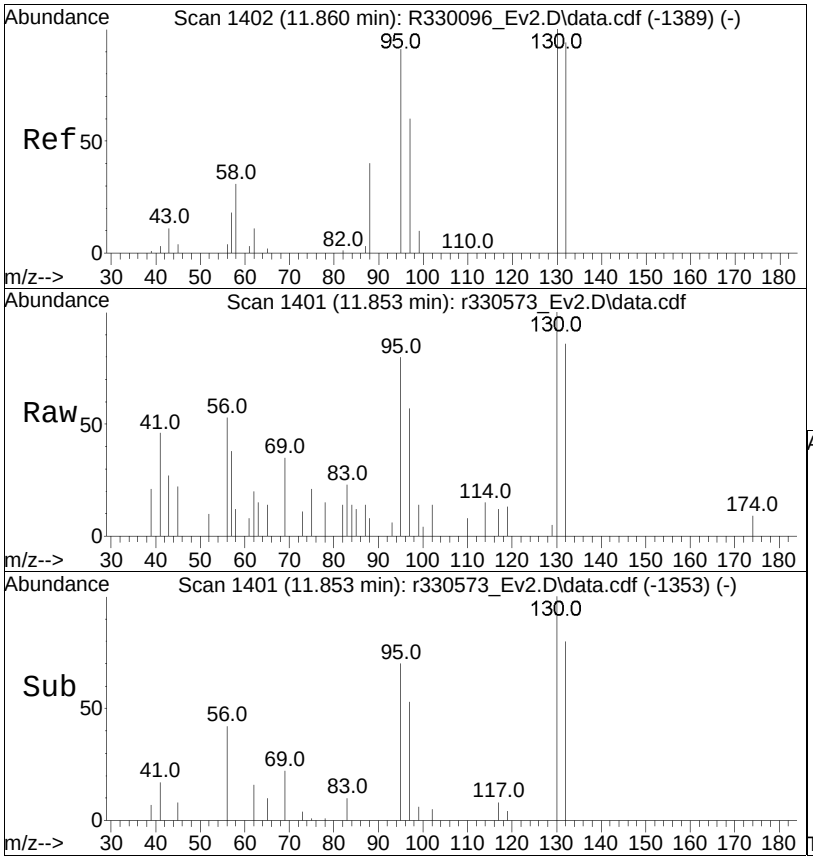


#38
carbon tetrachloride
Concen: 0.08 ppbV
RT: 10.800 min Scan# 1243
Delta R.T. 0.007 min
Lab File: r330573_Ev2.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion:117 Resp: 1666

Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.5	114.7
82	19.2	16.9	25.3

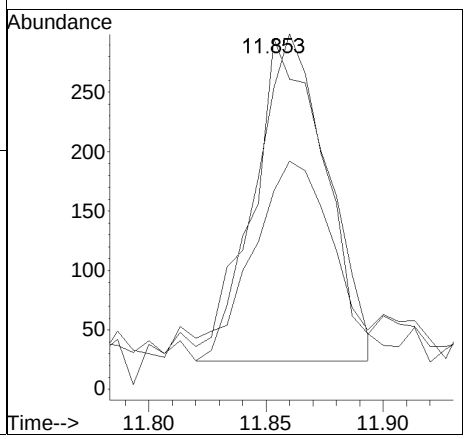


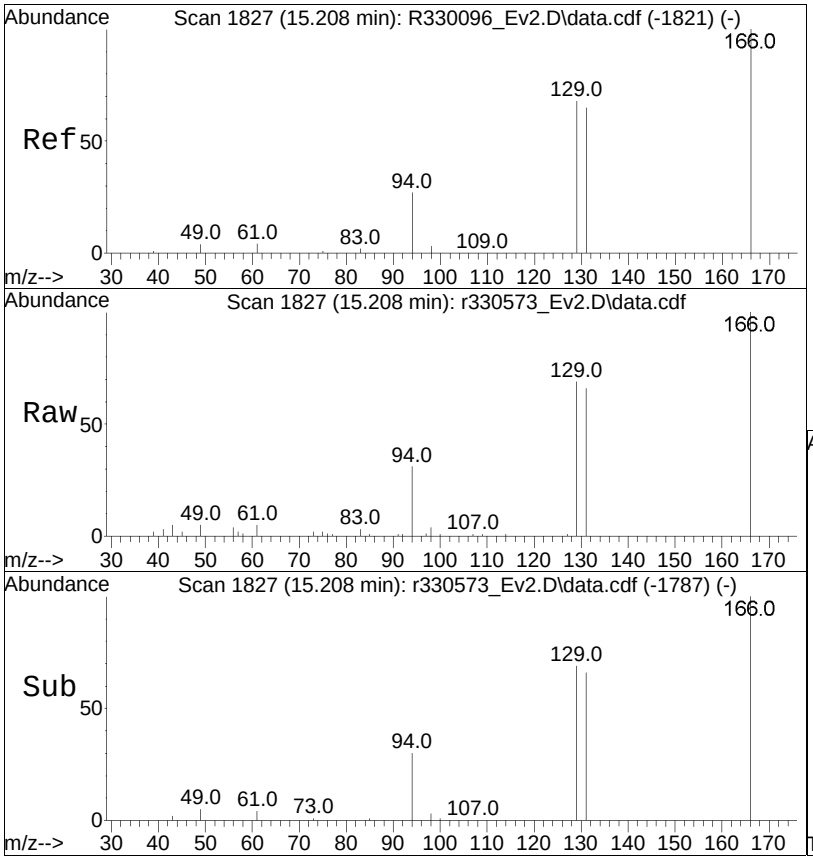


#44
trichloroethene
Concen: 0.03 ppbV
RT: 11.853 min Scan# 1401
Delta R.T. -0.007 min
Lab File: r330573_Ev2.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion:130 Resp: 578

Ion	Ratio	Lower	Upper
130	100		
132	86.1	75.5	113.3
97	56.6	47.8	71.6

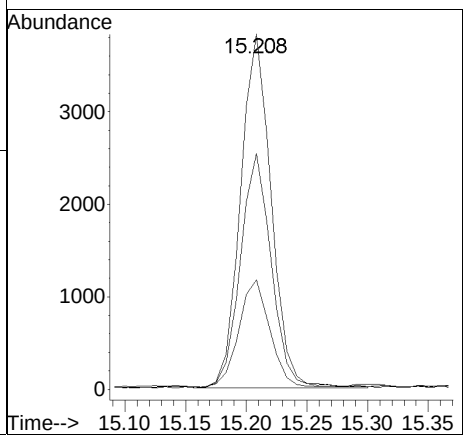




#57
tetrachloroethene
Concen: 0.19 ppbV
RT: 15.208 min Scan# 1827
Delta R.T. 0.000 min
Lab File: r330573_Ev2.D
Acq: 24 Apr 2024 12:30 AM

Tgt Ion:166 Resp: 6734

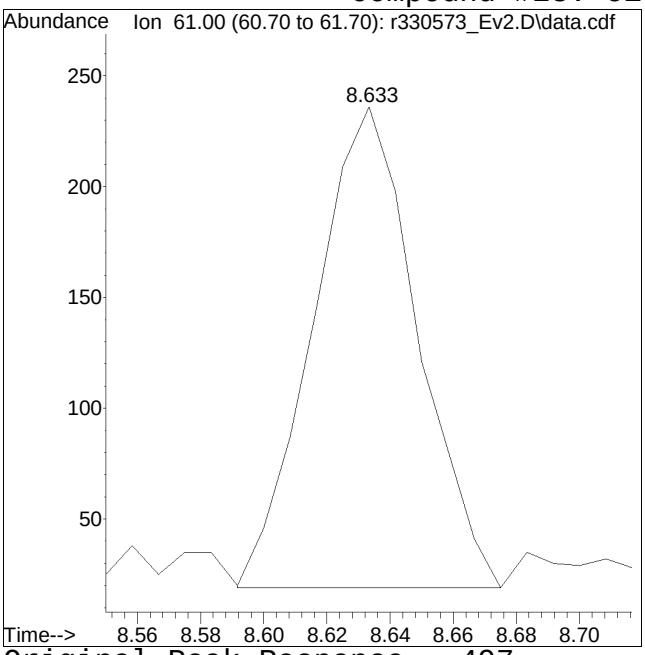
Ion	Ratio	Lower	Upper
166	100		
131	66.4	51.8	77.8
94	30.8	21.9	32.9



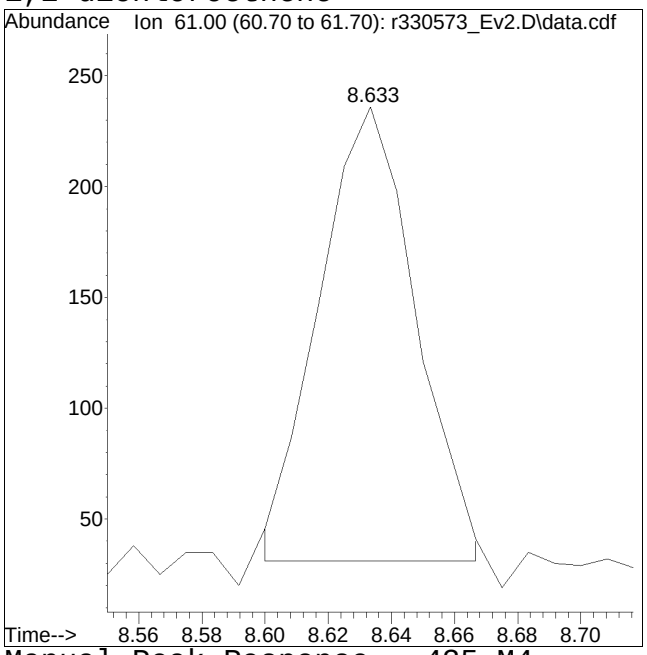
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : r330573_Ev2.D Operator : AIRPIANO3:JMB
Date Inj'd : 4/24/2020 0:2: 0 Instrument :
Sample : L2419731-06,3,250,250 Quant Date : 4/24/2024 7:29 am

Compound #28: cis-1,2-dichloroethene



Original Peak Response = 497



Manual Peak Response = 435 M4

M4 = Poor automated baseline construction.

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Environmental Logic, LLC**	**Lab Number**	**: L2419731**
Project Name	**: 245 W. 55TH**	**Project Number**	**: 23-0001**
Instrument ID	**: AIRPIANO3**	**Ical Ref**	**: ICAL21002**
Calibration dates	**: 04/01/24 19:36 04/02/24 09:04**		

Calibration Files

0.02=R330090_Ev2.D 0.05=R330091_Ev2.D 0.1 =R330092_Ev2.D 0.2 =R330093_Ev2.D 0.5 =R330094_Ev2.D

1.0 =R330095_Ev2.D 5.0 =R330096_Ev2.D 10.0=R330097_Ev2.D 20.0=R330098_Ev2.D 50.0=R330099_Ev2.D

		Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
1)	I	bromochloromethane	----------ISTD----------											
2)		propylene				1.104	0.960	0.921	0.960	1.028	0.781	0.736	0.9273	14.03
3)		dichlorodifluoromethane				1.075	1.150	1.131	1.393	1.325	0.956	0.875	1.1293	16.41
4)	C	chloromethane				0.566	0.574	0.574	0.694	0.670	0.499	0.470	0.5783	14.10
5)		Freon-114		1.439	1.472	1.367	1.402	1.408	1.692	1.603	1.164	1.001	1.3941	14.99
6)	C	vinyl chloride	0.737	0.673	0.650	0.609	0.642	0.643	0.787	0.757	0.560	0.522	0.6581	12.80
7)	C	1,3-butadiene	0.474	0.491	0.481	0.472	0.488	0.485	0.597	0.579	0.435	0.409	0.4911	11.67
8)	C	bromomethane	0.505	0.498	0.505	0.445	0.471	0.473	0.583	0.561	0.417	0.387	0.4845	12.44
9)	C	chloroethane	0.418	0.343	0.324	0.318	0.324	0.329	0.401	0.385	0.287	0.269	0.3399	14.18
10)		ethanol					0.392	0.395	0.464	0.432	0.328	0.292	0.3836	16.72
11)	C	vinyl bromide				0.131	0.072	0.047	0.056	0.034	0.029	0.035	0.0577	61.81#
12)	C	acrolein		0.402	0.350	0.254	0.346	0.266	0.419	0.413	0.317	0.304	0.3412	18.03
13)		acetone				1.122	1.152	1.153	1.334	1.275	0.946	0.833	1.1163	15.72
14)		trichlorofluoromethane		1.184	1.255	1.100	1.169	1.173	1.425	1.364	0.988	0.902	1.1733	14.13
15)		isopropyl alcohol				1.520	1.455	1.452	1.690	1.646	1.268	1.181	1.4589	12.69
16)	C	acrylonitrile			0.660	0.548	0.587	0.587	0.715	0.710	0.547	0.530	0.6104	12.21
17)	C	1,1-dichloroethene	1.048	1.076	1.113	1.151	1.165	1.157	1.367	1.300	0.953	0.889	1.1219	12.83
18)		tertiary butyl alcohol				1.394	1.433	1.455	1.777	1.743	1.336	1.257	1.4852	13.40
19)	C	methylene chloride					0.847	0.817	0.967	0.949	0.707	0.674	0.8268	14.59
20)	C	3-chloropropene				1.199	1.249	1.269	1.566	1.545	1.171	1.121	1.3027	13.79
21)	C	carbon disulfide				2.574	2.641	2.649	3.195	3.104	2.316	2.065	2.6489	15.12
22)		Freon 113		1.530	1.458	1.380	1.377	1.367	1.642	1.582	1.164	1.057	1.3953	13.59
23)		trans-1,2-dichloroethene	1.224	1.130	1.258	1.106	1.152	1.169	1.415	1.372	1.024	0.952	1.1802	12.16
24)	C	1,1-dichloroethane	1.520	1.482	1.508	1.423	1.508	1.508	1.850	1.793	1.324	1.239	1.5155	12.28
25)	C	MTBE	2.348	2.287	2.314	2.206	2.252	2.263	2.754	2.677	2.011	1.869	2.2982	11.54
26)	C	vinyl acetate					1.734	1.743	2.164	2.155	1.672	1.639	1.8511	13.07
27)	C	2-butanone				1.649	1.745	1.799	2.247	2.213	1.683	1.611	1.8495	14.44
28)		cis-1,2-dichloroethene	1.114	1.058	1.048	0.999	1.073	1.077	1.326	1.288	0.952	0.885	1.0820	12.60
29)		Ethyl Acetate				0.266	0.266	0.284	0.363	0.359	0.271	0.254	0.2948	15.56
30)	C	chloroform	1.392	1.382	1.347	1.225	1.269	1.272	1.555	1.506	1.109	1.012	1.3069	12.79
31)		Tetrahydrofuran				1.142	1.229	1.237	1.455	1.440	1.093	1.055	1.2359	12.87
32)	C	1,2-dichloroethane	0.826	0.819	0.801	0.841	0.848	0.828	1.005	0.964	0.702	0.640	0.8274	12.88
33)	I	1,4-difluorobenzene	----------ISTD----------											
34)	C	hexane				0.375	0.393	0.393	0.477	0.463	0.348	0.321	0.3958	14.38
35)	s	1,2-dichloroethane-D4				0.222	0.228	0.229	0.229	0.225	0.221	0.209	0.2231	3.21
36)	C	1,1,1-trichloroethane	0.352	0.325	0.320	0.290	0.304	0.307	0.381	0.371	0.274	0.257	0.3181	12.71

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Environmental Logic, LLC**	**Lab Number**	**: L2419731**
Project Name	**: 245 W. 55TH**	**Project Number**	**: 23-0001**
Instrument ID	**: AIRPIANO3**	**Ical Ref**	**: ICAL21002**
Calibration dates	**: 04/01/24 19:36 04/02/24 09:04**		

Calibration Files

0.02=R330090_Ev2.D 0.05=R330091_Ev2.D 0.1 =R330092_Ev2.D 0.2 =R330093_Ev2.D 0.5 =R330094_Ev2.D

1.0 =R330095_Ev2.D 5.0 =R330096_Ev2.D 10.0=R330097_Ev2.D 20.0=R330098_Ev2.D 50.0=R330099_Ev2.D

		Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
37)	C	benzene			1.011	0.914	0.875	0.861	1.051	1.037	0.781	0.739	0.9086	12.88
38)	C	carbon tetrachloride	0.320	0.310	0.291	0.267	0.281	0.280	0.352	0.346	0.256	0.236	0.2938	12.87
39)		cyclohexane				0.394	0.407	0.408	0.502	0.493	0.373	0.361	0.4198	13.33
40)		Dibromomethane		0.214	0.214	0.197	0.201	0.201	0.252	0.245	0.187	0.178	0.2100	11.79
41)	C	1,2-dichloropropane	0.320	0.353	0.307	0.295	0.305	0.305	0.385	0.374	0.279	0.264	0.3187	12.50
42)		bromodichloromethane	0.353	0.359	0.385	0.345	0.360	0.363	0.457	0.452	0.342	0.323	0.3739	12.16
43)	C	1,4-dioxane			0.161	0.160	0.158	0.160	0.206	0.202	0.159	0.156	0.1703	12.41
44)	C	trichloroethene	0.260	0.308	0.288	0.282	0.296	0.297	0.375	0.370	0.278	0.264	0.3018	13.28
45)	C	2,2,4-trimethylpentane				1.225	1.285	1.296	1.533	1.505	1.119	1.050	1.2877	14.03
46)		heptane				0.527	0.555	0.555	0.682	0.674	0.514	0.491	0.5711	13.39
47)	C	cis-1,3-dichloropropene	0.349	0.340	0.371	0.364	0.400	0.414	0.536	0.537	0.407	0.393	0.4112	17.11
48)	C	4-methyl-2-pentanone					0.591	0.609	0.787	0.778	0.592	0.571	0.6546	15.24
49)		trans-1,3-dichloropropene		0.240	0.267	0.249	0.283	0.297	0.421	0.417	0.318	0.310	0.3114	21.29
50)	C	1,1,2-trichloroethane	0.260	0.246	0.284	0.260	0.280	0.279	0.350	0.343	0.256	0.247	0.2806	13.30
51)	I	chlorobenzene-D5	----------ISTD----------											
52)	C	toluene		7.035	7.348	6.844	7.120	7.055	8.716	8.571	6.483	6.188	7.2622	11.81
53)	s	toluene-D8				6.568	6.771	6.720	6.742	6.835	6.903	6.944	6.7833	1.86
54)		2-hexanone				3.387	3.778	4.204	5.998	6.007	4.606	4.527	4.6438	21.94
55)		dibromochloromethane	2.515	2.682	2.860	2.468	2.635	2.704	3.488	3.505	2.684	2.559	2.8098	13.45
56)	C	1,2-dibromoethane	2.937	3.931	3.229	3.232	3.373	3.443	4.369	4.293	3.248	3.057	3.5112	14.43
57)	C	tetrachloroethene	3.482	3.331	3.412	3.111	3.186	3.183	3.904	3.796	2.836	2.525	3.2767	12.59
58)		1,1,1,2-tetrachloroethane	2.748	2.334	2.355	2.151	2.262	2.256	2.814	2.799	2.143	1.993	2.3854	12.41
59)	C	chlorobenzene	6.199	6.637	6.508	5.962	6.263	6.181	7.591	7.458	5.565	5.017	6.3382	12.31
60)	C	ethylbenzene	0.867	0.876	0.916	0.821	0.886	0.886	1.104	1.080	0.812	0.767	0.9014	12.14
61)	C	m+p-xylene	6.796	7.315	7.229	6.532	7.099	7.139	8.897	8.724	6.514	5.989	7.2233	12.86
62)	C	bromoform	2.203	2.554	2.326	2.313	2.488	2.580	3.476	3.519	2.687	2.439	2.6585	17.47
63)	C	styrene	4.565	4.819	5.399	5.426	6.184	6.357	8.187	8.088	6.111	5.747	6.0883	20.08
64)	C	1,1,2,2-tetrachloroethane	4.847	5.046	5.033	4.719	5.034	5.112	6.442	6.390	4.808	4.408	5.1839	13.15
65)	C	o-xylene	6.774	7.143	7.606	6.836	7.321	7.316	8.965	8.766	6.491	5.781	7.3000	13.31
66)		1,2,3-Trichloropropane	4.400	4.311	4.380	4.072	4.404	4.443	5.449	5.388	4.169	3.986	4.5002	11.28
67)	s	bromofluorobenzene				4.423	4.583	4.589	4.577	4.663	4.720	4.790	4.6206	2.55
68)	C	isopropylbenzene				0.983	1.041	1.041	1.249	1.217	0.912	0.818	1.0374	14.92
69)		Bromobenzene				5.383	5.754	5.720	7.099	7.014	5.393	5.001	5.9092	13.93
70)		4-ethyl toluene	0.860	0.922	1.027	0.947	1.059	1.080	1.340	1.302	0.973	0.864	1.0374	16.10
71)		1,3,5-trimethylbenzene	0.993	1.023	0.964	0.894	0.952	0.945	1.158	1.111	0.823	0.724	0.9587	13.28
72)		tert-butylbenzene				0.904	0.955	0.951	1.140	1.096	0.804	0.636	0.9267	18.46

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Environmental Logic, LLC**	**Lab Number**	**: L2419731**
Project Name	**: 245 W. 55TH**	**Project Number**	**: 23-0001**
Instrument ID	**: AIRPIANO3**	**Ical Ref**	**: ICAL21002**
Calibration dates	**: 04/01/24 19:36 04/02/24 09:04**		

Calibration Files

0.02=R330090_Ev2.D 0.05=R330091_Ev2.D 0.1 =R330092_Ev2.D 0.2 =R330093_Ev2.D 0.5 =R330094_Ev2.D

1.0 =R330095_Ev2.D 5.0 =R330096_Ev2.D 10.0=R330097_Ev2.D 20.0=R330098_Ev2.D 50.0=R330099_Ev2.D

		Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
73)		1,2,4-trimethylbenzene	0.766	0.865	0.938	0.844	0.926	0.934	1.149	1.093	0.790	0.632	0.8936	17.02
74)	C	Benzyl Chloride			3.529	3.765	4.494	5.047	7.122	7.399	5.806	5.594	5.3444	26.71
75)		1,3-dichlorobenzene	3.886	4.644	5.452	4.966	5.786	5.856	7.485	7.287	5.411	4.802	5.5574	20.28
76)	C	1,4-dichlorobenzene	5.838	6.104	5.787	4.966	5.727	6.026	7.579	7.363	5.426	4.935	5.9751	14.80
77)		sec-butylbenzene				1.267	1.337	1.337	1.603	1.546	1.160	0.997	1.3210	15.90
78)		p-isopropyltoluene				1.087	1.146	1.138	1.354	1.299	0.950	0.733	1.1011	19.10
79)		1,2-dichlorobenzene	5.122	5.196	5.538	5.156	5.543	5.661	7.137	6.992	5.179	4.760	5.6286	14.23
80)		n-butylbenzene				0.846	0.906	0.927	1.157	1.134	0.859	0.789	0.9452	15.21
81)		1,2-dibromo-3-chloropr...	2.381	2.117	2.246	2.122	2.277	2.365	3.054	3.037	2.325	2.124	2.4047	14.62
82)	C	1,2,4-trichlorobenzene		3.371	3.691	3.878	4.261	4.429	6.423	6.438	4.673	4.248	4.6011	24.10
83)		naphthalene		0.860	0.925	0.959	1.021	1.059	1.406	1.397	1.061	0.963	1.0724	18.40
84)		1,2,3-trichlorobenzene		3.585	3.786	3.795	3.941	4.117	5.569	5.512	4.227	3.890	4.2692	17.45
85)	C	hexachlorobutadiene		4.831	4.741	4.772	4.656	4.678	5.997	5.792	4.134	3.430	4.7812	16.16

Response Factor Report

Method Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Method File : TSIM3_240401.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Wed Apr 03 15:11:14 2024
Response Via : Initial Calibration

Calibration Files
0.02=R330090_Ev2.D 0.05=R330091_Ev2.D 0.1 =R330092_Ev2.D 0.2 =R330093_Ev2.D 0.5 =R330094_Ev2.D
1.0 =R330095_Ev2.D 5.0 =R330096_Ev2.D 10.0=R330097_Ev2.D 20.0=R330098_Ev2.D 50.0=R330099_Ev2.D

		Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
1)	I	bromochloromethane	----------	----------	----------	ISTD	----------	----------	----------	----------	----------	----------		
2)		propylene				1.104	0.960	0.921	0.960	1.028	0.781	0.736	0.9273	14.03
3)		dichlorodifluorome...				1.075	1.150	1.131	1.393	1.325	0.956	0.875	1.1293	16.41
4)	C	chloromethane				0.566	0.574	0.574	0.694	0.670	0.499	0.470	0.5783	14.10
5)		Freon-114		1.439	1.472	1.367	1.402	1.408	1.692	1.603	1.164	1.001	1.3941	14.99
6)	C	vinyl chloride	0.737	0.673	0.650	0.609	0.642	0.643	0.787	0.757	0.560	0.522	0.6581	12.80
7)	C	1,3-butadiene	0.474	0.491	0.481	0.472	0.488	0.485	0.597	0.579	0.435	0.409	0.4911	11.67
8)	C	bromomethane	0.505	0.498	0.505	0.445	0.471	0.473	0.583	0.561	0.417	0.387	0.4845	12.44
9)	C	chloroethane	0.418	0.343	0.324	0.318	0.324	0.329	0.401	0.385	0.287	0.269	0.3399	14.18
10)		ethanol					0.392	0.395	0.464	0.432	0.328	0.292	0.3836	16.72
11)	C	vinyl bromide				0.131	0.072	0.047	0.056	0.034	0.029	0.035	0.0577	61.81#
12)	C	acrolein		0.402	0.350	0.254	0.346	0.266	0.419	0.413	0.317	0.304	0.3412	18.03
13)		acetone				1.122	1.152	1.153	1.334	1.275	0.946	0.833	1.1163	15.72
14)		trichlorofluoromet...		1.184	1.255	1.100	1.169	1.173	1.425	1.364	0.988	0.902	1.1733	14.13
15)		isopropyl alcohol				1.520	1.455	1.452	1.690	1.646	1.268	1.181	1.4589	12.69
16)	C	acrylonitrile			0.660	0.548	0.587	0.587	0.715	0.710	0.547	0.530	0.6104	12.21
17)	C	1,1-dichloroethene	1.048	1.076	1.113	1.151	1.165	1.157	1.367	1.300	0.953	0.889	1.1219	12.83
18)		tertiary butyl alc...				1.394	1.433	1.455	1.777	1.743	1.336	1.257	1.4852	13.40
19)	C	methylene chloride					0.847	0.817	0.967	0.949	0.707	0.674	0.8268	14.59
20)	C	3-chloropropene				1.199	1.249	1.269	1.566	1.545	1.171	1.121	1.3027	13.79
21)	C	carbon disulfide				2.574	2.641	2.649	3.195	3.104	2.316	2.065	2.6489	15.12
22)		Freon 113		1.530	1.458	1.380	1.377	1.367	1.642	1.582	1.164	1.057	1.3953	13.59
23)		trans-1,2-dichloro...	1.224	1.130	1.258	1.106	1.152	1.169	1.415	1.372	1.024	0.952	1.1802	12.16
24)	C	1,1-dichloroethane	1.520	1.482	1.508	1.423	1.508	1.508	1.850	1.793	1.324	1.239	1.5155	12.28
25)	C	MTBE	2.348	2.287	2.314	2.206	2.252	2.263	2.754	2.677	2.011	1.869	2.2982	11.54
26)	C	vinyl acetate					1.734	1.743	2.164	2.155	1.672	1.639	1.8511	13.07
27)	C	2-butanone				1.649	1.745	1.799	2.247	2.213	1.683	1.611	1.8495	14.44
28)		cis-1,2-dichloroet...	1.114	1.058	1.048	0.999	1.073	1.077	1.326	1.288	0.952	0.885	1.0820	12.60
29)		Ethyl Acetate				0.266	0.266	0.284	0.363	0.359	0.271	0.254	0.2948	15.56
30)	C	chloroform	1.392	1.382	1.347	1.225	1.269	1.272	1.555	1.506	1.109	1.012	1.3069	12.79
31)		Tetrahydrofuran				1.142	1.229	1.237	1.455	1.440	1.093	1.055	1.2359	12.87

Response Factor Report

Method Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Method File : TSIM3_240401.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Wed Apr 03 15:11:14 2024
Response Via : Initial Calibration

Calibration Files
0.02=R330090_Ev2.D 0.05=R330091_Ev2.D 0.1 =R330092_Ev2.D 0.2 =R330093_Ev2.D 0.5 =R330094_Ev2.D
1.0 =R330095_Ev2.D 5.0 =R330096_Ev2.D 10.0=R330097_Ev2.D 20.0=R330098_Ev2.D 50.0=R330099_Ev2.D

		Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
32)	C	1,2-dichloroethane	0.826	0.819	0.801	0.841	0.848	0.828	1.005	0.964	0.702	0.640	0.8274	12.88
33)	I	1,4-difluorobenzene	ISTD											
34)	C	hexane				0.375	0.393	0.393	0.477	0.463	0.348	0.321	0.3958	14.38
35)	s	1,2-dichloroethane-D4				0.222	0.228	0.229	0.229	0.225	0.221	0.209	0.2231	3.21
36)	C	1,1,1-trichloroethane	0.352	0.325	0.320	0.290	0.304	0.307	0.381	0.371	0.274	0.257	0.3181	12.71
37)	C	benzene			1.011	0.914	0.875	0.861	1.051	1.037	0.781	0.739	0.9086	12.88
38)	C	carbon tetrachloride	0.320	0.310	0.291	0.267	0.281	0.280	0.352	0.346	0.256	0.236	0.2938	12.87
39)		cyclohexane				0.394	0.407	0.408	0.502	0.493	0.373	0.361	0.4198	13.33
40)		Dibromomethane		0.214	0.214	0.197	0.201	0.201	0.252	0.245	0.187	0.178	0.2100	11.79
41)	C	1,2-dichloropropane	0.320	0.353	0.307	0.295	0.305	0.305	0.385	0.374	0.279	0.264	0.3187	12.50
42)		bromodichloromethane	0.353	0.359	0.385	0.345	0.360	0.363	0.457	0.452	0.342	0.323	0.3739	12.16
43)	C	1,4-dioxane			0.161	0.160	0.158	0.160	0.206	0.202	0.159	0.156	0.1703	12.41
44)	C	trichloroethene	0.260	0.308	0.288	0.282	0.296	0.297	0.375	0.370	0.278	0.264	0.3018	13.28
45)	C	2,2,4-trimethylpen...				1.225	1.285	1.296	1.533	1.505	1.119	1.050	1.2877	14.03
46)		heptane				0.527	0.555	0.555	0.682	0.674	0.514	0.491	0.5711	13.39
47)	C	cis-1,3-dichloropr...	0.349	0.340	0.371	0.364	0.400	0.414	0.536	0.537	0.407	0.393	0.4112	17.11
48)	C	4-methyl-2-pentanone					0.591	0.609	0.787	0.778	0.592	0.571	0.6546	15.24
49)		trans-1,3-dichloro...		0.240	0.267	0.249	0.283	0.297	0.421	0.417	0.318	0.310	0.3114	21.29
50)	C	1,1,2-trichloroethane	0.260	0.246	0.284	0.260	0.280	0.279	0.350	0.343	0.256	0.247	0.2806	13.30
51)	I	chlorobenzene-D5	ISTD											
52)	C	toluene		7.035	7.348	6.844	7.120	7.055	8.716	8.571	6.483	6.188	7.2622	11.81
53)	s	toluene-D8				6.568	6.771	6.720	6.742	6.835	6.903	6.944	6.7833	1.86
54)		2-hexanone				3.387	3.778	4.204	5.998	6.007	4.606	4.527	4.6438	21.94
55)		dibromochloromethane	2.515	2.682	2.860	2.468	2.635	2.704	3.488	3.505	2.684	2.559	2.8098	13.45
56)	C	1,2-dibromoethane	2.937	3.931	3.229	3.232	3.373	3.443	4.369	4.293	3.248	3.057	3.5112	14.43
57)	C	tetrachloroethene	3.482	3.331	3.412	3.111	3.186	3.183	3.904	3.796	2.836	2.525	3.2767	12.59
58)		1,1,1,2-tetrachlor...	2.748	2.334	2.355	2.151	2.262	2.256	2.814	2.799	2.143	1.993	2.3854	12.41
59)	C	chlorobenzene	6.199	6.637	6.508	5.962	6.263	6.181	7.591	7.458	5.565	5.017	6.3382	12.31
60)	C	ethylbenzene	0.867	0.876	0.916	0.821	0.886	0.886	1.104	1.080	0.812	0.767	0.9014	12.14
61)	C	m+p-xylene	6.796	7.315	7.229	6.532	7.099	7.139	8.897	8.724	6.514	5.989	7.2233	12.86

Response Factor Report

Method Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Method File : TSIM3_240401.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Wed Apr 03 15:11:14 2024
Response Via : Initial Calibration

Calibration Files
0.02=R330090_Ev2.D 0.05=R330091_Ev2.D 0.1 =R330092_Ev2.D 0.2 =R330093_Ev2.D 0.5 =R330094_Ev2.D
1.0 =R330095_Ev2.D 5.0 =R330096_Ev2.D 10.0=R330097_Ev2.D 20.0=R330098_Ev2.D 50.0=R330099_Ev2.D

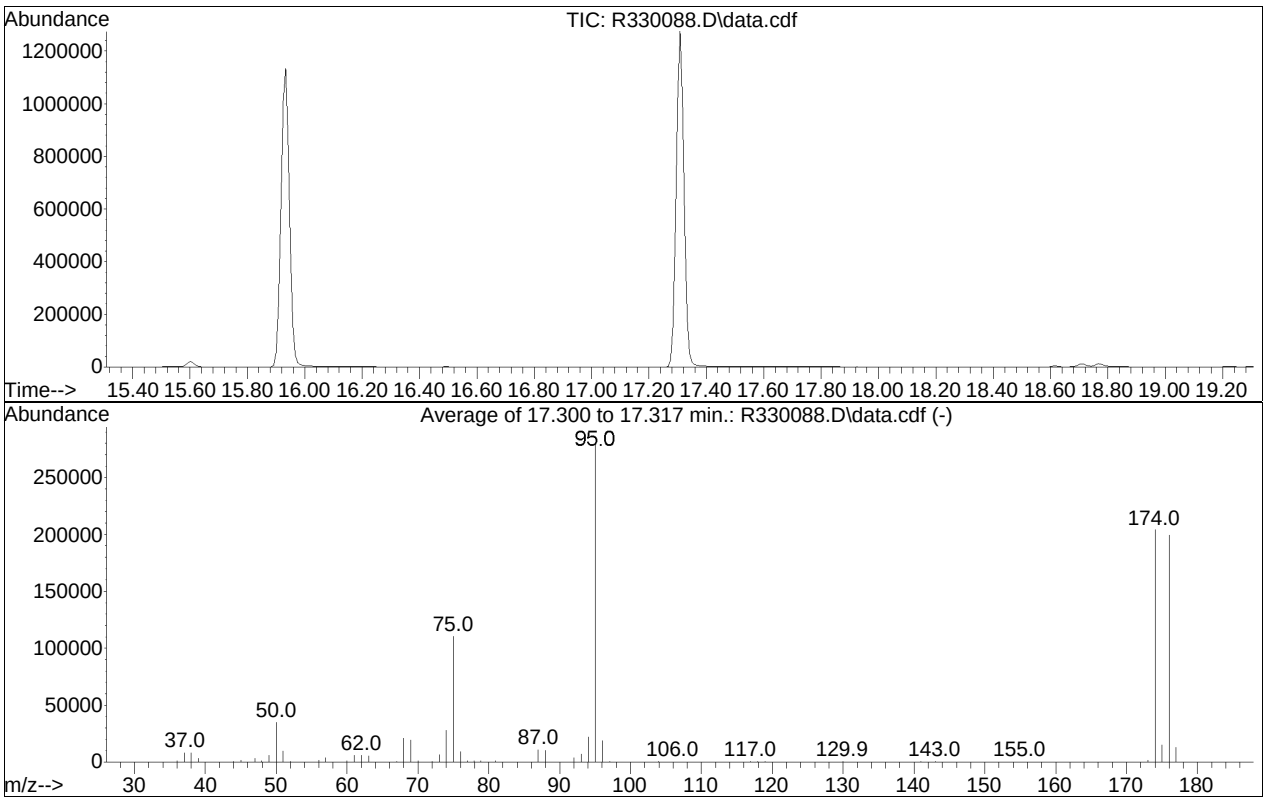
		Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
62)	C	bromoform	2.203	2.554	2.326	2.313	2.488	2.580	3.476	3.519	2.687	2.439	2.6585	17.47
63)	C	styrene	4.565	4.819	5.399	5.426	6.184	6.357	8.187	8.088	6.111	5.747	6.0883	20.08
64)	C	1,1,2,2-tetrachlor...	4.847	5.046	5.033	4.719	5.034	5.112	6.442	6.390	4.808	4.408	5.1839	13.15
65)	C	o-xylene	6.774	7.143	7.606	6.836	7.321	7.316	8.965	8.766	6.491	5.781	7.3000	13.31
66)		1,2,3-Trichloropro...	4.400	4.311	4.380	4.072	4.404	4.443	5.449	5.388	4.169	3.986	4.5002	11.28
67)	s	bromofluorobenzene				4.423	4.583	4.589	4.577	4.663	4.720	4.790	4.6206	2.55
68)	C	isopropylbenzene				0.983	1.041	1.041	1.249	1.217	0.912	0.818	1.0374	14.92
69)		Bromobenzene				5.383	5.754	5.720	7.099	7.014	5.393	5.001	5.9092	13.93
70)		4-ethyl toluene	0.860	0.922	1.027	0.947	1.059	1.080	1.340	1.302	0.973	0.864	1.0374	16.10
71)		1,3,5-trimethylben...	0.993	1.023	0.964	0.894	0.952	0.945	1.158	1.111	0.823	0.724	0.9587	13.28
72)		tert-butylbenzene				0.904	0.955	0.951	1.140	1.096	0.804	0.636	0.9267	18.46
73)		1,2,4-trimethylben...	0.766	0.865	0.938	0.844	0.926	0.934	1.149	1.093	0.790	0.632	0.8936	17.02
74)	C	Benzyl Chloride			3.529	3.765	4.494	5.047	7.122	7.399	5.806	5.594	5.3444	26.71
75)		1,3-dichlorobenzene	3.886	4.644	5.452	4.966	5.786	5.856	7.485	7.287	5.411	4.802	5.5574	20.28
76)	C	1,4-dichlorobenzene	5.838	6.104	5.787	4.966	5.727	6.026	7.579	7.363	5.426	4.935	5.9751	14.80
77)		sec-butylbenzene				1.267	1.337	1.337	1.603	1.546	1.160	0.997	1.3210	15.90
78)		p-isopropyltoluene				1.087	1.146	1.138	1.354	1.299	0.950	0.733	1.1011	19.10
79)		1,2-dichlorobenzene	5.122	5.196	5.538	5.156	5.543	5.661	7.137	6.992	5.179	4.760	5.6286	14.23
80)		n-butylbenzene				0.846	0.906	0.927	1.157	1.134	0.859	0.789	0.9452	15.21
81)		1,2-dibromo-3-chlo...	2.381	2.117	2.246	2.122	2.277	2.365	3.054	3.037	2.325	2.124	2.4047	14.62
82)	C	1,2,4-trichloroben...		3.371	3.691	3.878	4.261	4.429	6.423	6.438	4.673	4.248	4.6011	24.10
83)		naphthalene		0.860	0.925	0.959	1.021	1.059	1.406	1.397	1.061	0.963	1.0724	18.40
84)		1,2,3-trichloroben...		3.585	3.786	3.795	3.941	4.117	5.569	5.512	4.227	3.890	4.2692	17.45
85)	C	hexachlorobutadiene		4.831	4.741	4.772	4.656	4.678	5.997	5.792	4.134	3.430	4.7812	16.16

(#) = Out of Range

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330088.D
Acq On : 1 Apr 2024 5:43 PM
Operator : AIRPIANO3:BJB
Sample : WG1904457-1,3,250,250
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Integration File: rteint.p

Method : O:\Forensics\Data\Airpiano3\2024\04\0401T_I\TFS3_240401.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Wed Apr 03 14:05:38 2024



Spectrum Information: Average of 17.300 to 17.317 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	12.4	34662	PASS
75	95	30	66	39.3	110398	PASS
95	95	100	100	100.0	280577	PASS
96	95	5	9	6.6	18569	PASS
173	174	0.00	2	0.9	1836	PASS
174	95	50	120	72.8	204284	PASS
175	174	4	9	7.3	15005	PASS
176	174	93	101	97.7	199499	PASS
177	176	5	9	6.5	12942	PASS

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330090_Ev2.D
Acq On : 1 Apr 2024 7:36 PM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.02
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:30:44 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.958	49	196086	10.000	ppbV	0.14
33) 1,4-difluorobenzene	11.193	114	688519	10.000	ppbV	0.14
51) chlorobenzene-D5	15.917	54	81705	10.000	ppbV	0.11
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	0.000	65	0d	0.000	ppbV	
Spiked Amount 10.000	Range 70 - 130		Recovery =	0.00%#		
53) toluene-D8	14.050	98	987M2	0.018	ppbV	0.14
Spiked Amount 10.000	Range 70 - 130		Recovery =	0.18%#		
67) bromofluorobenzene	17.325	95	406	0.011	ppbV	0.13
Spiked Amount 10.000	Range 70 - 130		Recovery =	0.11%#		
Target Compounds						Qvalue
2) propylene	3.816	41	1003M6	0.053	ppbV	
3) dichlorodifluoromethane	3.888	85	452M4	0.017	ppbV	
4) chloromethane	4.050	50	266	0.020	ppbV #	80
5) Freon-114	4.152	85	551	0.017	ppbV	99
6) vinyl chloride	4.278	62	262M4	0.017	ppbV	
7) 1,3-butadiene	4.416	54	198M4	0.017	ppbV	
8) bromomethane	4.698	94	185M4	0.016	ppbV	
9) chloroethane	4.884	64	136M4	0.017	ppbV	
10) ethanol	5.022	31	882M4	0.097	ppbV	
11) vinyl bromide	5.263	106	221M1	0.200	ppbV	
12) acrolein	5.390	56	202M2	0.025	ppbV	
13) acetone	5.550	43	2972	0.114	ppbV #	97
14) trichlorofluoromethane	5.713	101	478	0.017	ppbV	89
15) isopropyl alcohol	5.833	45	2909	0.088	ppbV #	92
16) acrylonitrile	6.050	53	224M4	0.016	ppbV	
17) 1,1-dichloroethene	6.406	61	411	0.015	ppbV	93
18) tertiary butyl alcohol	6.508	59	563	0.016	ppbV	96
19) methylene chloride	6.550	49	827	0.044	ppbV	100
20) 3-chloropropene	6.682	41	501	0.016	ppbV	88
21) carbon disulfide	6.850	76	1138	0.018	ppbV #	1
22) Freon 113	6.850	101	712	0.022	ppbV	93
23) trans-1,2-dichloroethene	7.592	61	480	0.017	ppbV	98
24) 1,1-dichloroethane	7.817	63	596	0.016	ppbV #	87
25) MTBE	7.925	73	921	0.017	ppbV #	79
26) vinyl acetate	8.025	43	856M4	0.020	ppbV	
27) 2-butanone	8.317	43	664	0.015	ppbV #	89

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330090_Ev2.D
Acq On : 1 Apr 2024 7:36 PM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.02
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:30:44 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) cis-1,2-dichloroethene	8.767	61	390M4	0.015	ppbV		
29) Ethyl Acetate	9.092	61	111M4	0.016	ppbV		
30) chloroform	9.117	83	546	0.018	ppbV	#	87
31) Tetrahydrofuran	9.617	42	441M4	0.015	ppbV		
32) 1,2-dichloroethane	9.950	62	300M4	0.015	ppbV		
34) hexane	9.025	57	617	0.019	ppbV	#	41
36) 1,1,1-trichloroethane	10.242	97	485	0.019	ppbV	#	88
37) benzene	10.767	78	2052	0.028	ppbV	#	84
38) carbon tetrachloride	10.933	117	397M4	0.016	ppbV		
39) cyclohexane	11.080	56	570	0.016	ppbV		89
40) Dibromomethane	11.693	93	356	0.021	ppbV	#	48
41) 1,2-dichloropropane	11.720	63	440	0.017	ppbV	#	89
42) bromodichloromethane	11.947	83	486	0.015	ppbV	#	79
43) 1,4-dioxane	0.000		0	N.D.			
44) trichloroethene	12.000	130	358	0.014	ppbV	#	90
45) 2,2,4-trimethylpentane	12.040	57	1612M4	0.015	ppbV		
46) heptane	12.353	43	700M4	0.015	ppbV		
47) cis-1,3-dichloropropene	13.025	75	430M4	0.012	ppbV		
48) 4-methyl-2-pentanone	13.108	43	578M4	0.011	ppbV		
49) trans-1,3-dichloropropene	0.000		0	N.D.			
50) 1,1,2-trichloroethane	13.850	97	358	0.015	ppbV	#	85
52) toluene	14.158	91	1107M4	0.016	ppbV		
54) 2-hexanone	0.000		0	N.D.	d		
55) dibromochloromethane	14.617	129	382M4	0.013	ppbV		
56) 1,2-dibromoethane	14.875	107	480	0.013	ppbV		99
57) tetrachloroethene	15.325	166	530M4	0.017	ppbV		
58) 1,1,1,2-tetrachloroethane	15.950	131	393M4	0.017	ppbV		
59) chlorobenzene	15.967	112	1013	0.016	ppbV		94
60) ethylbenzene	16.325	91	1417	0.016	ppbV		95
61) m+p-xylene	16.492	91	2221	0.031	ppbV		96
62) bromoform	16.558	173	360	0.013	ppbV		88
63) styrene	16.833	104	746	0.011	ppbV	#	89
64) 1,1,2,2-tetrachloroethane	16.908	83	792	0.015	ppbV		92
65) o-xylene	16.908	91	1107	0.015	ppbV		99
66) 1,2,3-Trichloropropane	17.033	75	719	0.016	ppbV		92
68) isopropylbenzene	17.417	105	1501	0.015	ppbV		95
69) Bromobenzene	17.508	77	776M4	0.013	ppbV		
70) 4-ethyl toluene	17.983	105	1361M4	0.012	ppbV		
71) 1,3,5-trimethylbenzene	18.042	105	1622M3	0.017	ppbV		
72) tert-butylbenzene	18.383	119	1489	0.016	ppbV		93
73) 1,2,4-trimethylbenzene	18.392	105	1251	0.013	ppbV		96

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330090_Ev2.D
Acq On : 1 Apr 2024 7:36 PM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.02
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:30:44 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

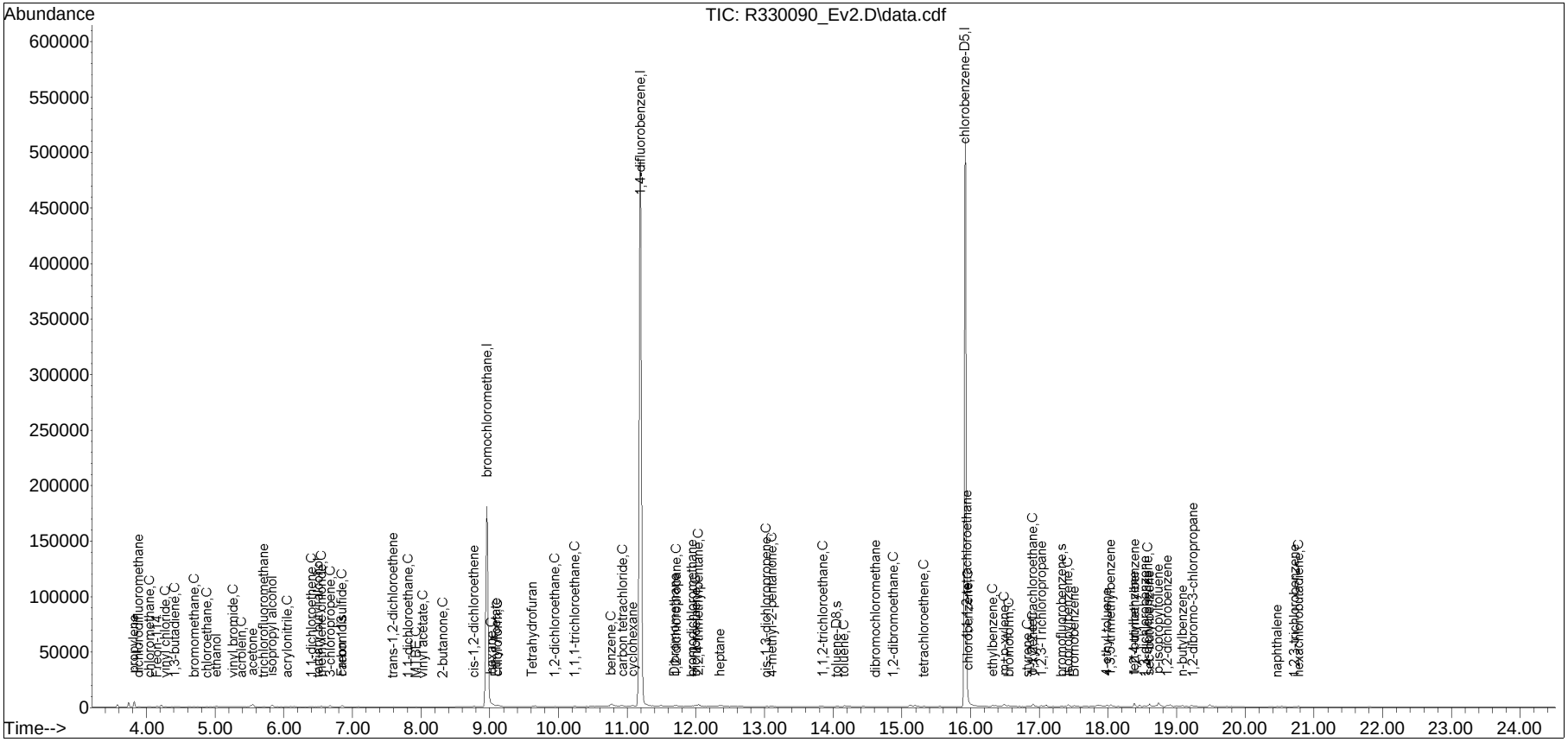
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Benzyl Chloride	18.525		0	N.D.		
75) 1,3-dichlorobenzene	18.533	146	635	0.010	ppbV #	84
76) 1,4-dichlorobenzene	18.583	146	954M3	0.015	ppbV	
77) sec-butylbenzene	18.608	105	2026M4	0.015	ppbV	
78) p-isopropyltoluene	18.733	119	1902	0.017	ppbV	96
79) 1,2-dichlorobenzene	18.867	146	837	0.014	ppbV	96
80) n-butylbenzene	19.083	91	1363M1	0.014	ppbV	
81) 1,2-dibromo-3-chloropr...	19.242	75	332M4	0.013	ppbV	
82) 1,2,4-trichlorobenzene	20.358		0	N.D.		
83) naphthalene	20.467	128	1469	0.013	ppbV #	82
84) 1,2,3-trichlorobenzene	20.717	180	541	0.012	ppbV #	81
85) hexachlorobutadiene	20.775	225	805	0.016	ppbV #	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-ICV-AP2 - All compounds listedd)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330090_Ev2.D
Acq On : 1 Apr 2024 7:36 PM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.02
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:30:44 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

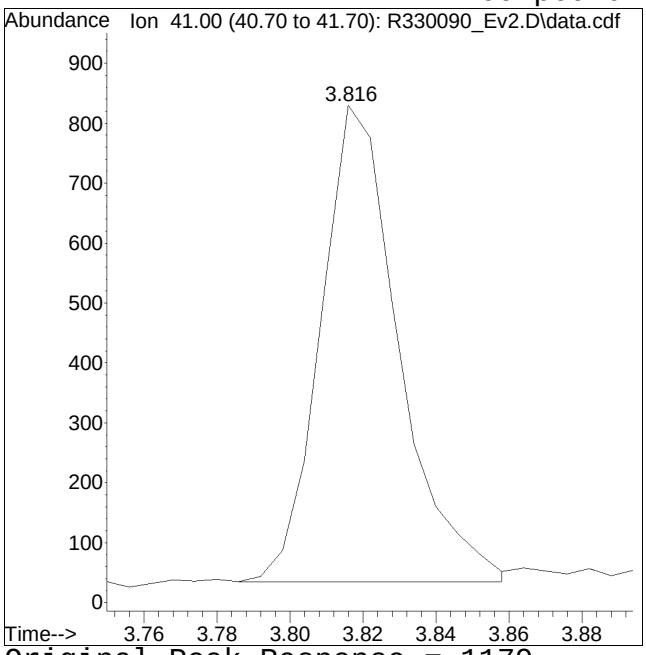


Manual Integration Report

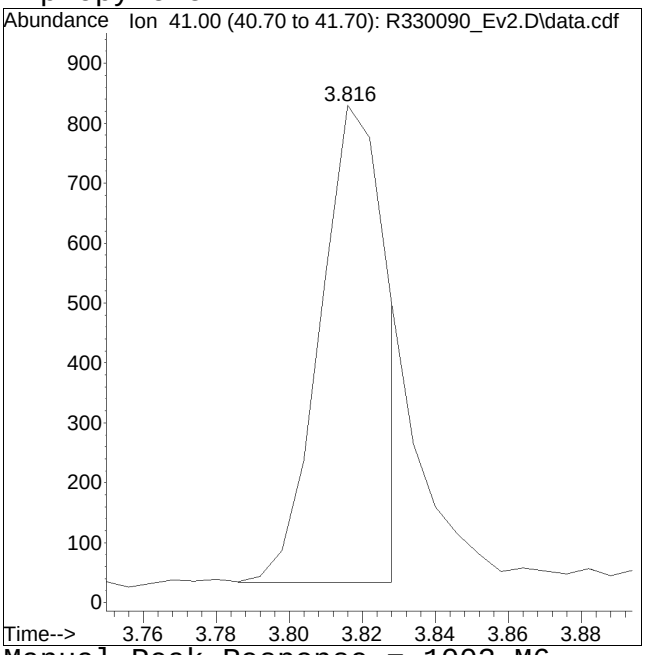
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330090_Ev2.D
Date Inj'd : 4/1/2020 0:7: 6
Sample : ITO15-SIMSTD0.02

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:30 pm

Compound #2: propylene



Original Peak Response = 1179



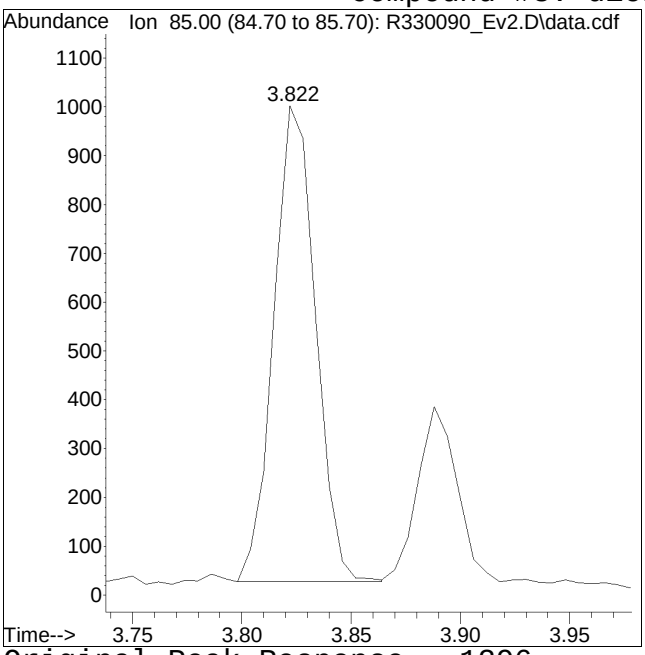
Manual Peak Response = 1003 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

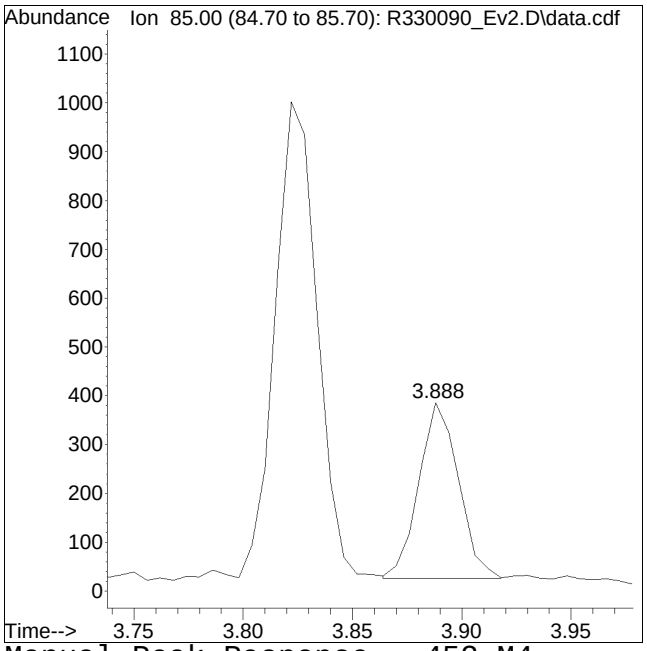
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330090_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:7: 6 Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 4/2/2024 2:30 pm

Compound #3: dichlorodifluoromethane



Original Peak Response = 1296



Manual Peak Response = 452 M4

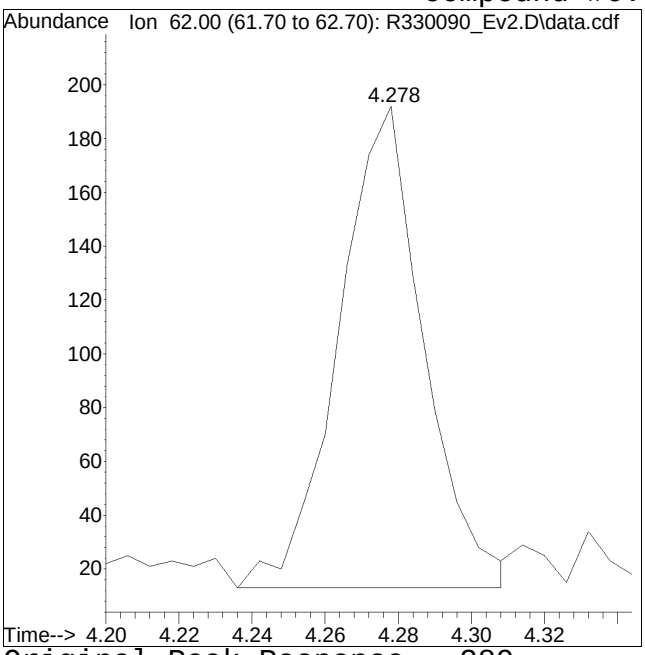
M4 = Poor automated baseline construction.

Manual Integration Report

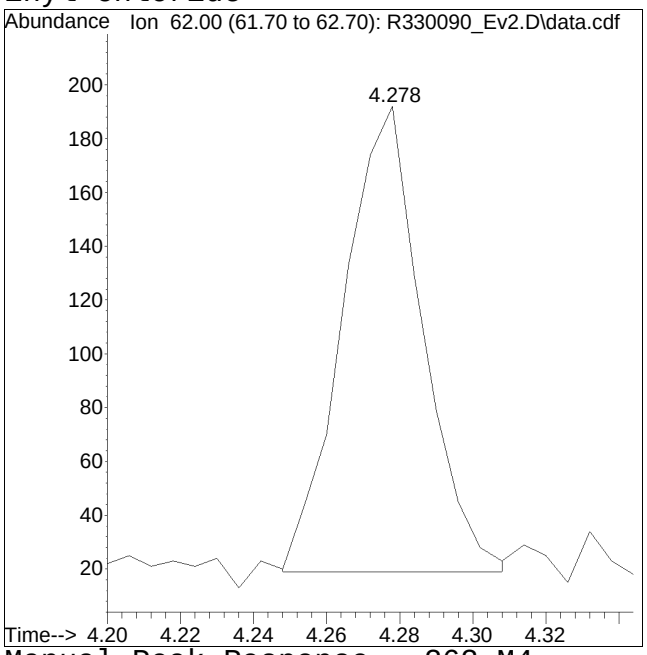
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330090_Ev2.D
Date Inj'd : 4/1/2020 0:7: 6
Sample : ITO15-SIMSTD0.02

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:30 pm

Compound #6: vinyl chloride



Original Peak Response = 289



Manual Peak Response = 262 M4

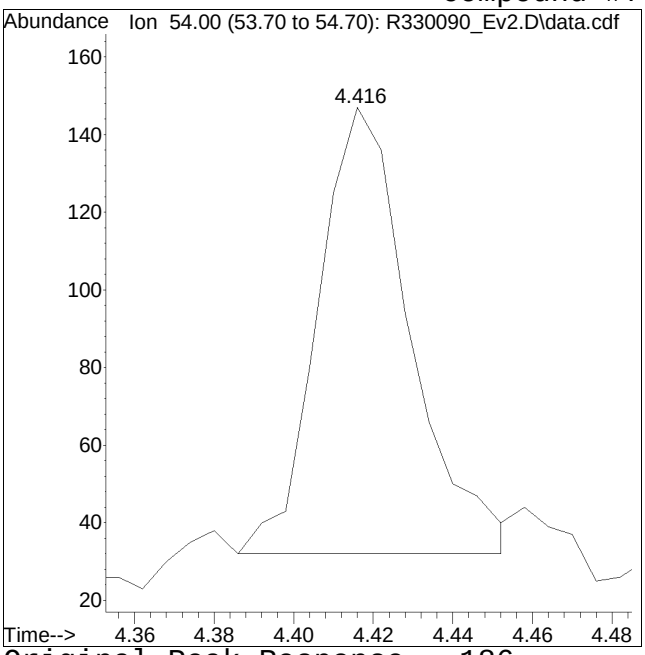
M4 = Poor automated baseline construction.

Manual Integration Report

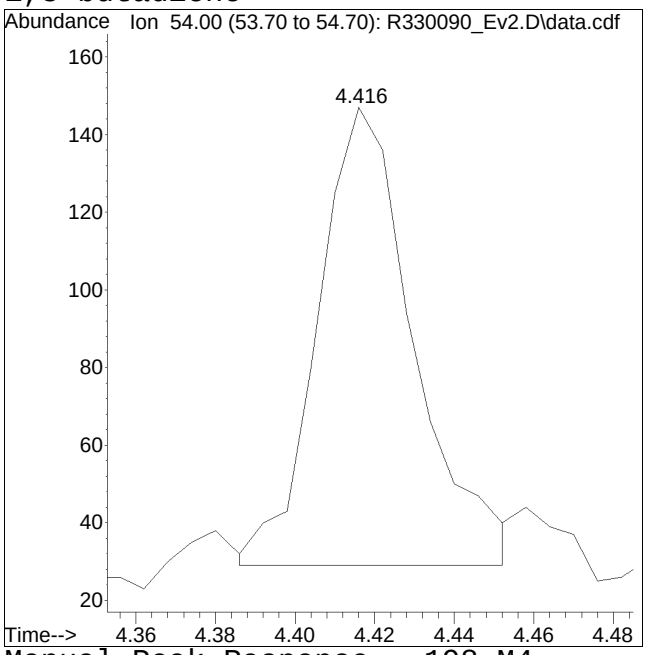
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330090_Ev2.D
Date Inj'd : 4/1/2020 0:7: 6
Sample : ITO15-SIMSTD0.02

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:30 pm

Compound #7: 1,3-butadiene



Original Peak Response = 186



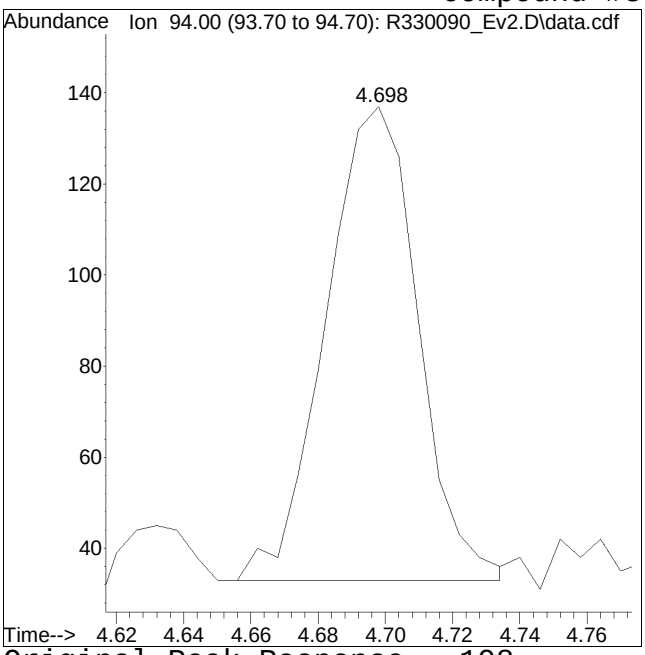
Manual Peak Response = 198 M4

M4 = Poor automated baseline construction.

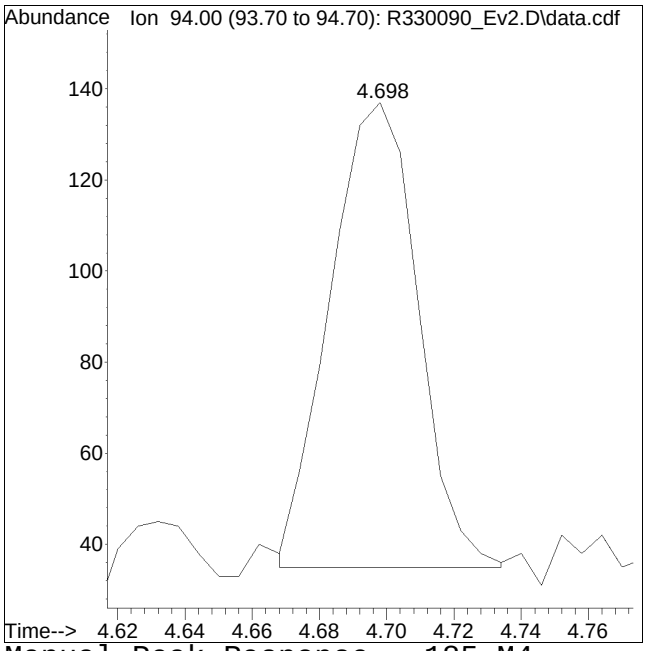
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330090_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:7: 6 Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 4/2/2024 2:30 pm

Compound #8: bromomethane



Original Peak Response = 198



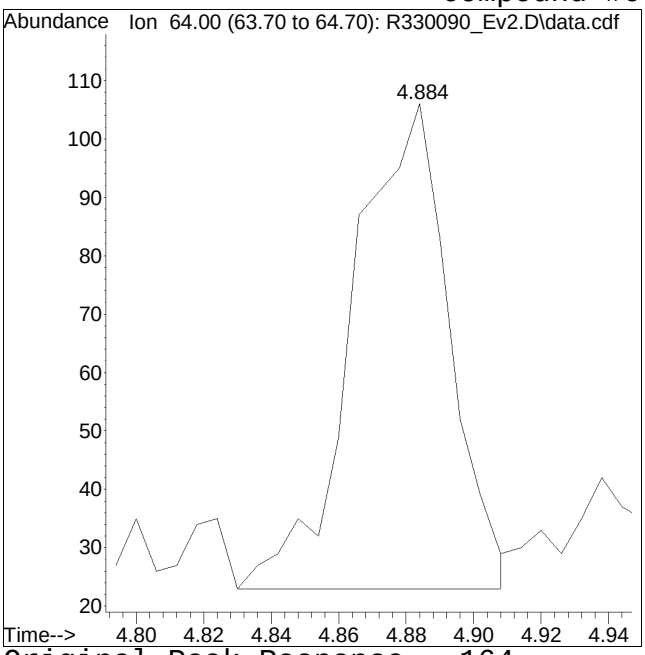
Manual Peak Response = 185 M4

M4 = Poor automated baseline construction.

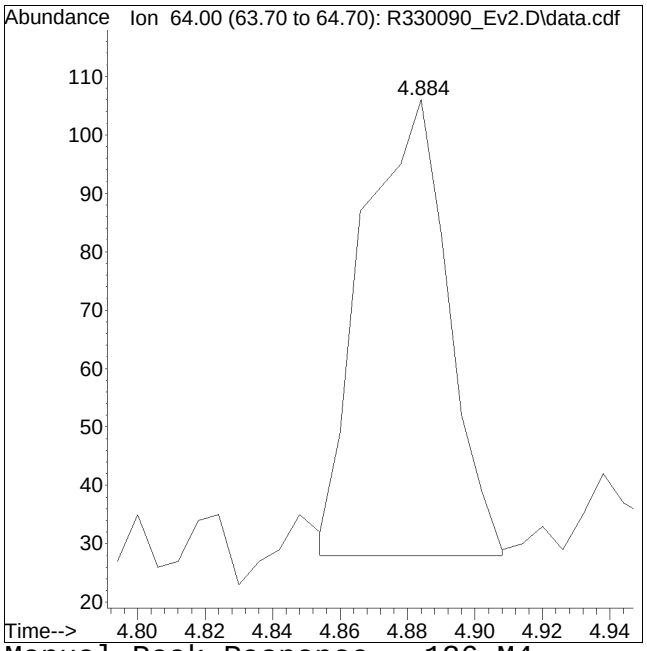
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330090_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:7: 6 Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 4/2/2024 2:30 pm

Compound #9: chloroethane



Original Peak Response = 164



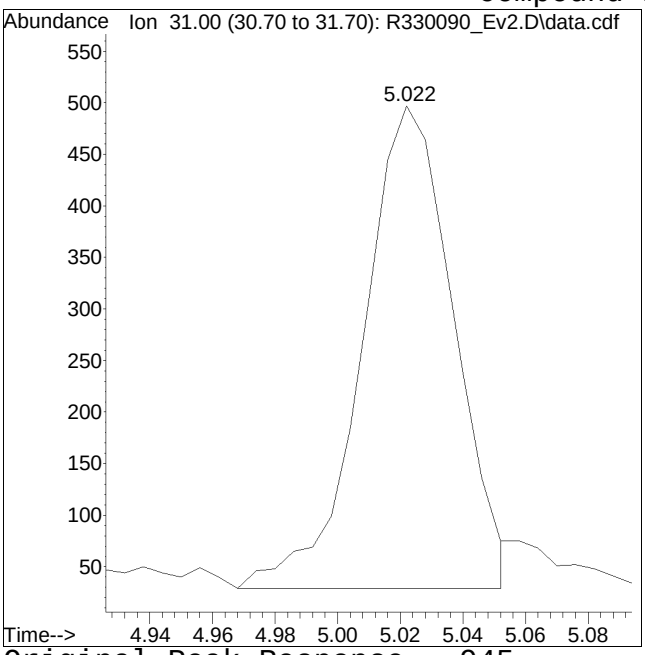
Manual Peak Response = 136 M4

M4 = Poor automated baseline construction.

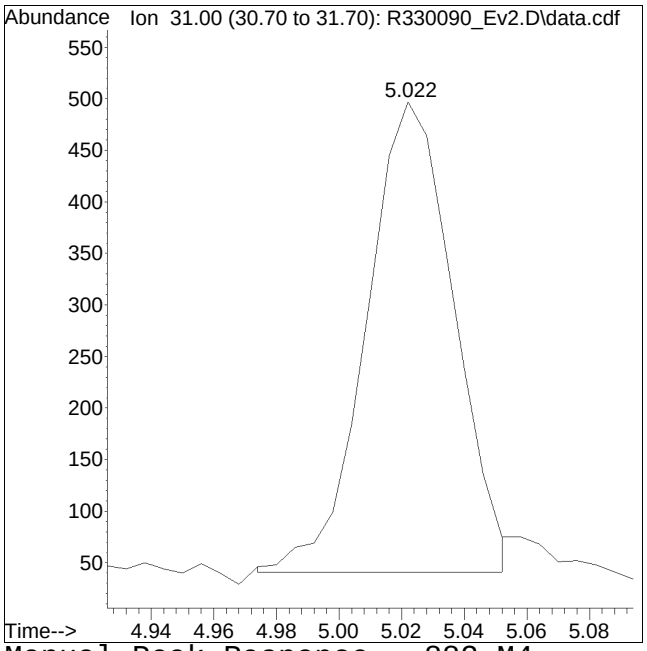
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330090_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:7: 6 Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 4/2/2024 2:30 pm

Compound #10: ethanol



Original Peak Response = 945



Manual Peak Response = 882 M4

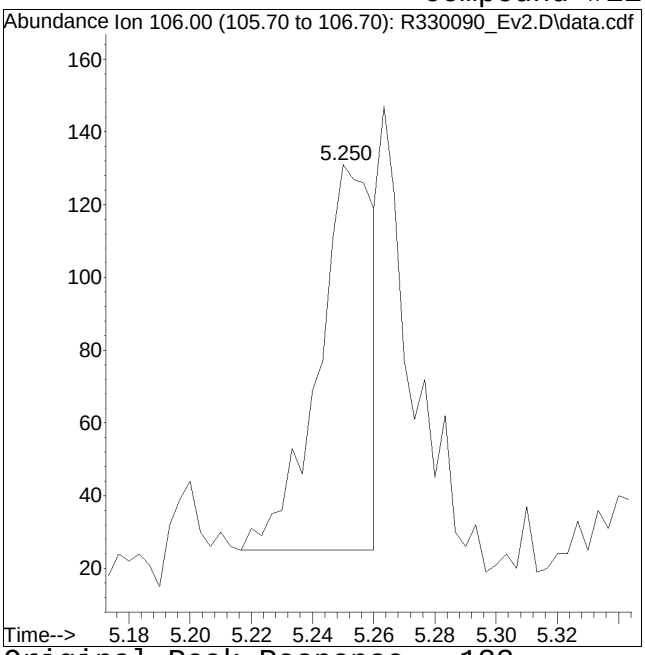
M4 = Poor automated baseline construction.

Manual Integration Report

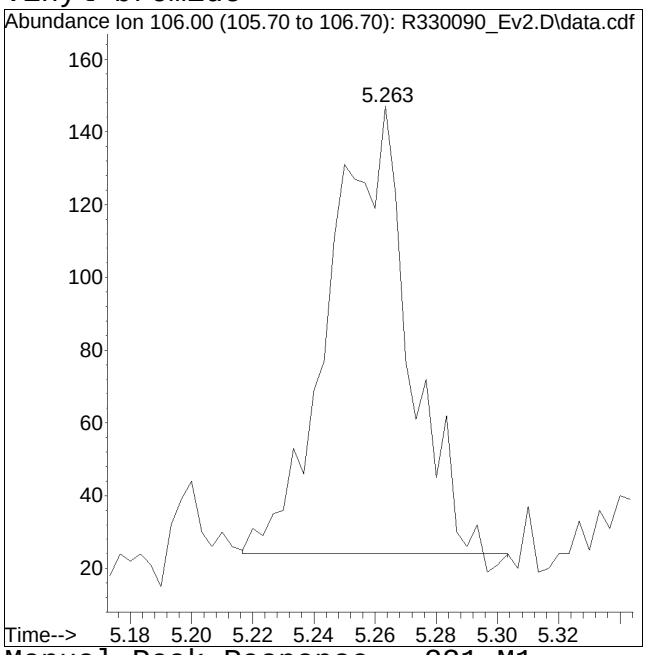
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330090_Ev2.D
Date Inj'd : 4/1/2020 0:7: 6
Sample : ITO15-SIMSTD0.02

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:30 pm

Compound #11: vinyl bromide



Original Peak Response = 133



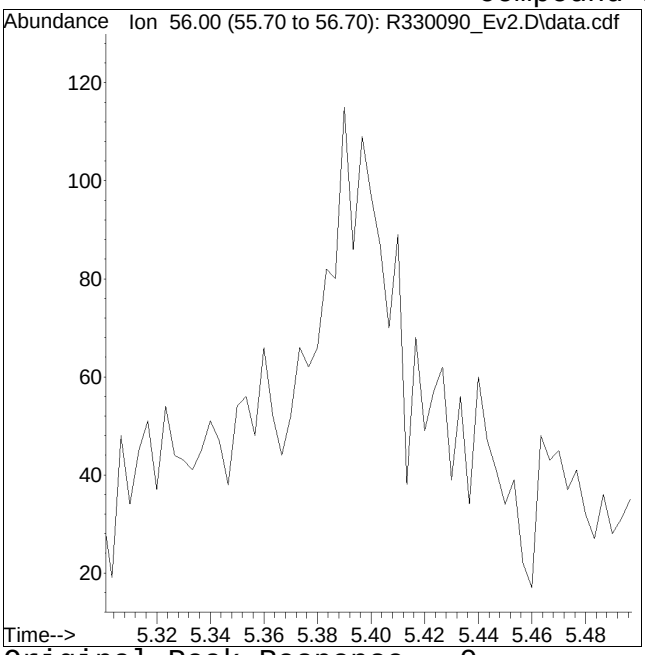
Manual Peak Response = 221 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

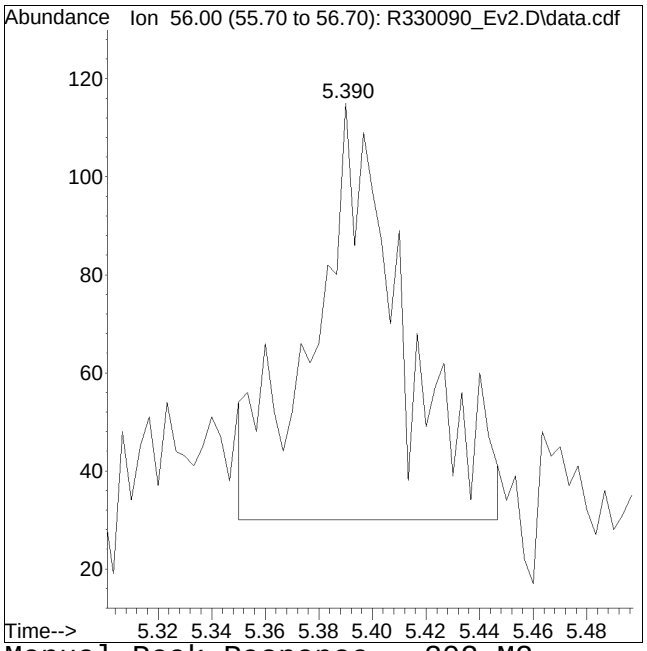
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330090_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:7: 6 Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 4/2/2024 2:30 pm

Compound #12: acrolein



Original Peak Response = 0



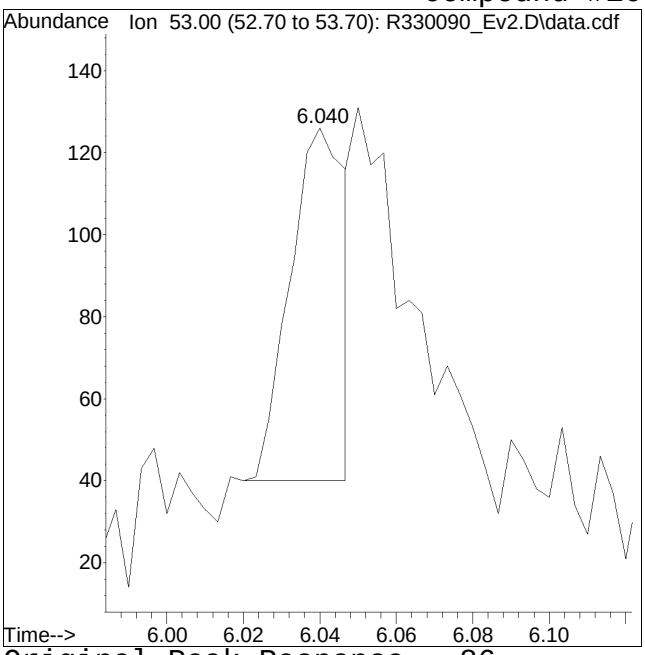
Manual Peak Response = 202 M2

M2 = Peak not found by automatic integration algorithm.

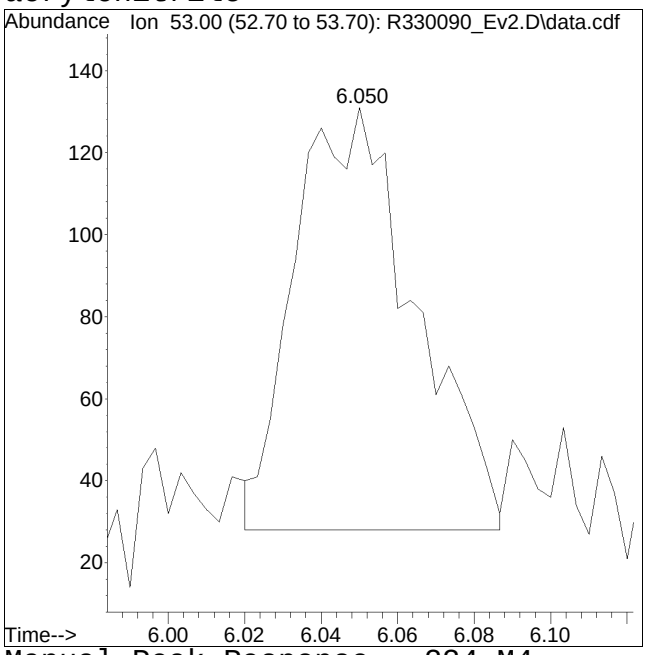
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330090_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:7: 6 Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 4/2/2024 2:30 pm

Compound #16: acrylonitrile



Original Peak Response = 86



Manual Peak Response = 224 M4

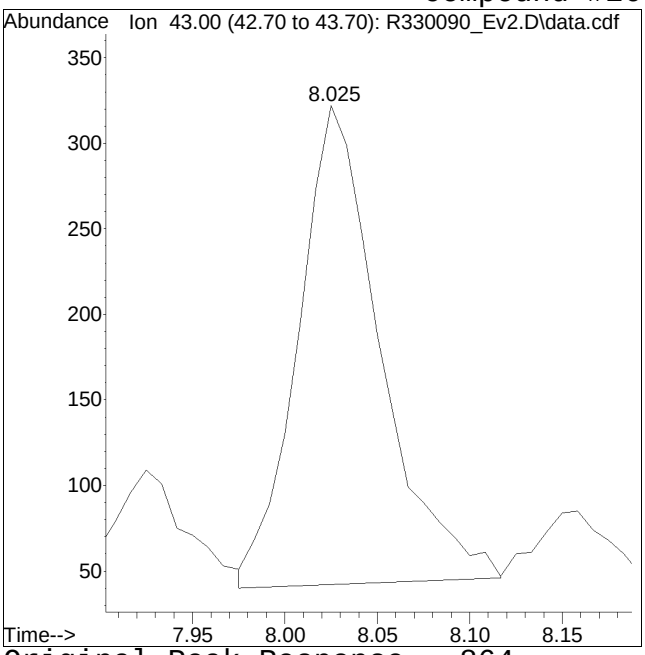
M4 = Poor automated baseline construction.

Manual Integration Report

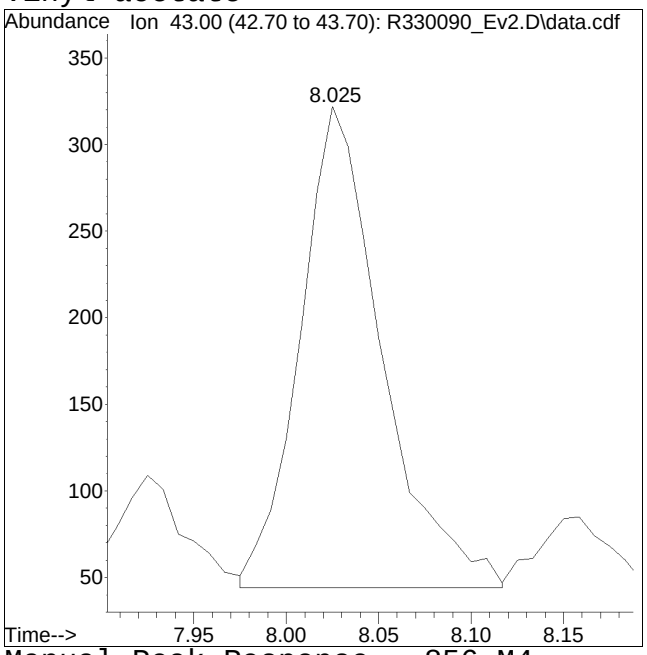
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330090_Ev2.D
Date Inj'd : 4/1/2020 0:7: 6
Sample : ITO15-SIMSTD0.02

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:30 pm

Compound #26: vinyl acetate



Original Peak Response = 864



Manual Peak Response = 856 M4

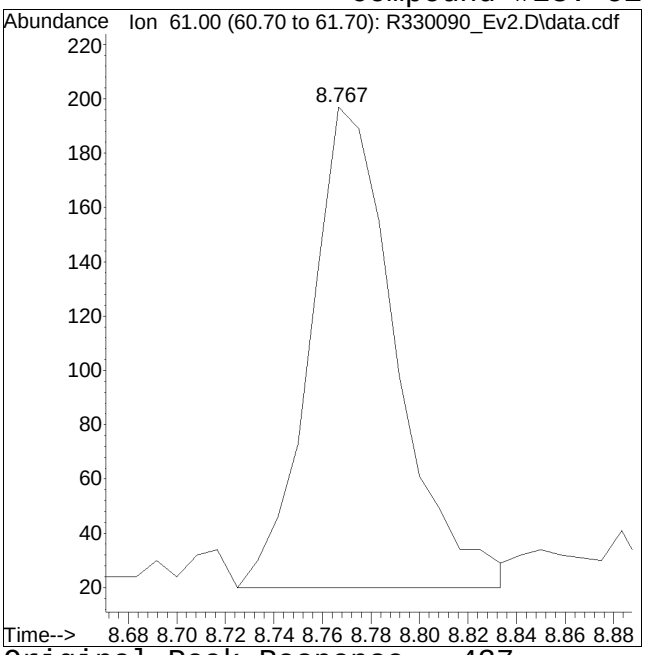
M4 = Poor automated baseline construction.

Manual Integration Report

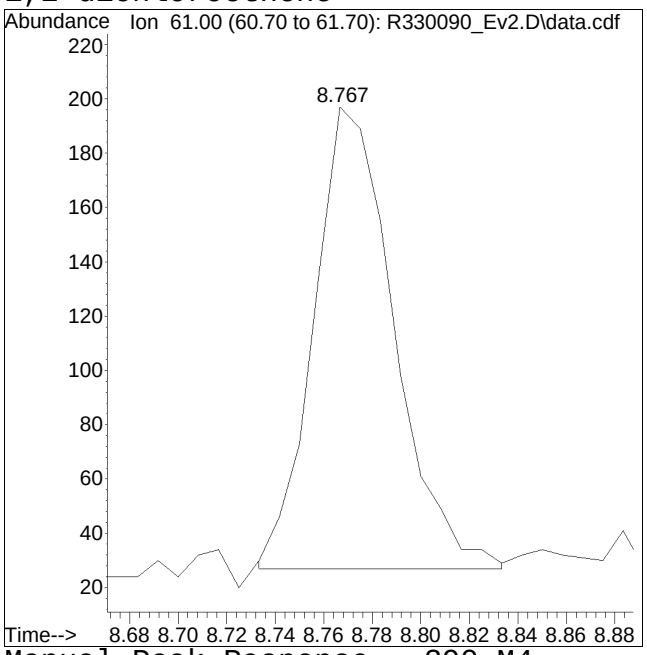
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330090_Ev2.D
Date Inj'd : 4/1/2020 0:7: 6
Sample : ITO15-SIMSTD0.02

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:30 pm

Compound #28: cis-1,2-dichloroethene



Original Peak Response = 437



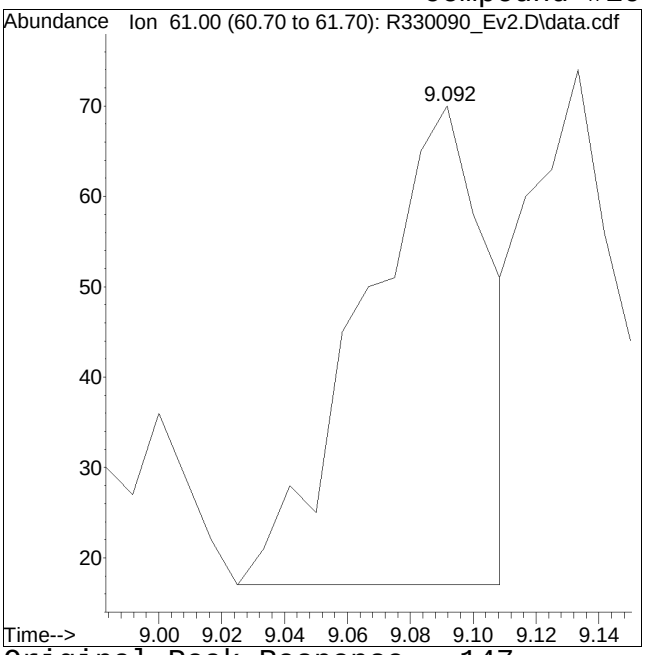
Manual Peak Response = 390 M4

M4 = Poor automated baseline construction.

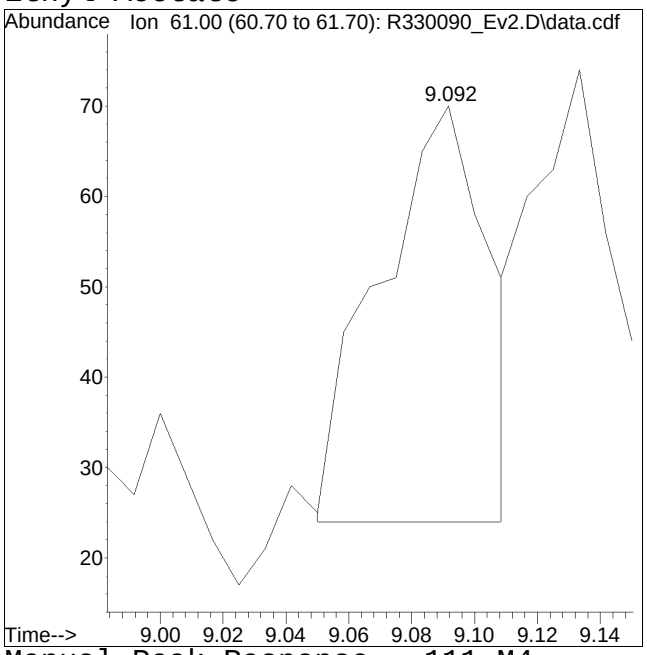
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330090_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:7: 6 Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 4/2/2024 2:30 pm

Compound #29: Ethyl Acetate



Original Peak Response = 147



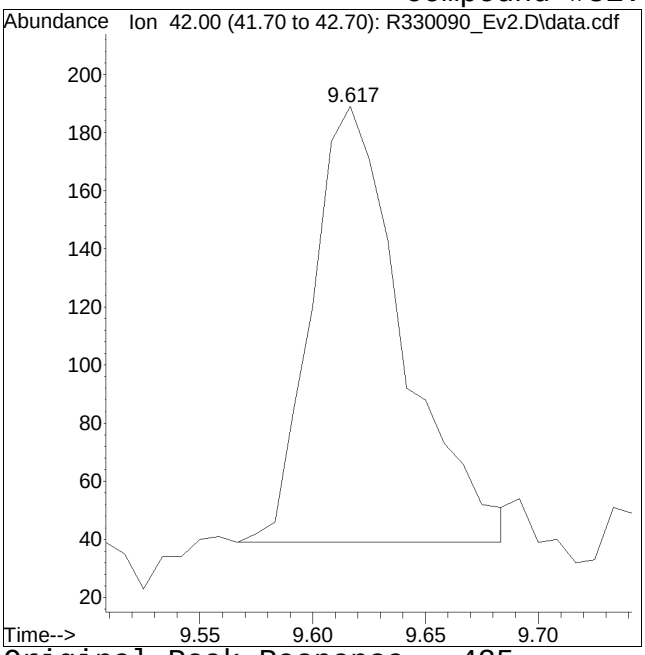
Manual Peak Response = 111 M4

M4 = Poor automated baseline construction.

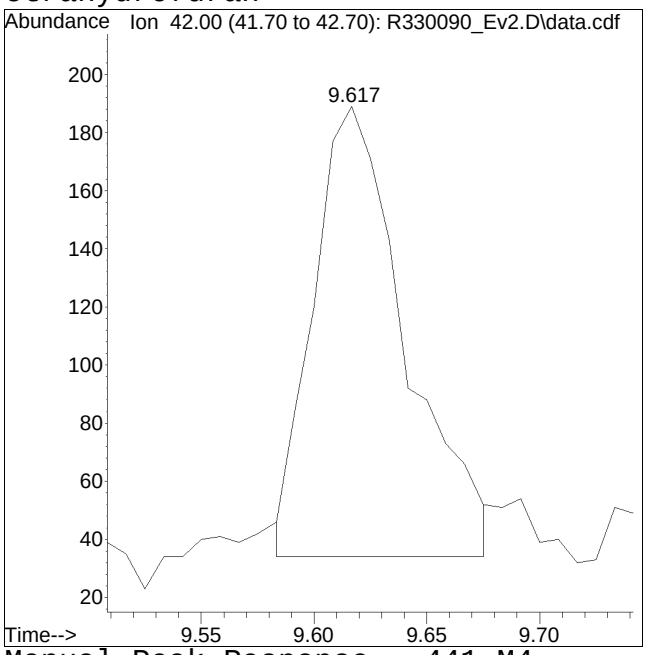
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330090_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:7: 6 Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 4/2/2024 2:30 pm

Compound #31: Tetrahydrofuran



Original Peak Response = 425



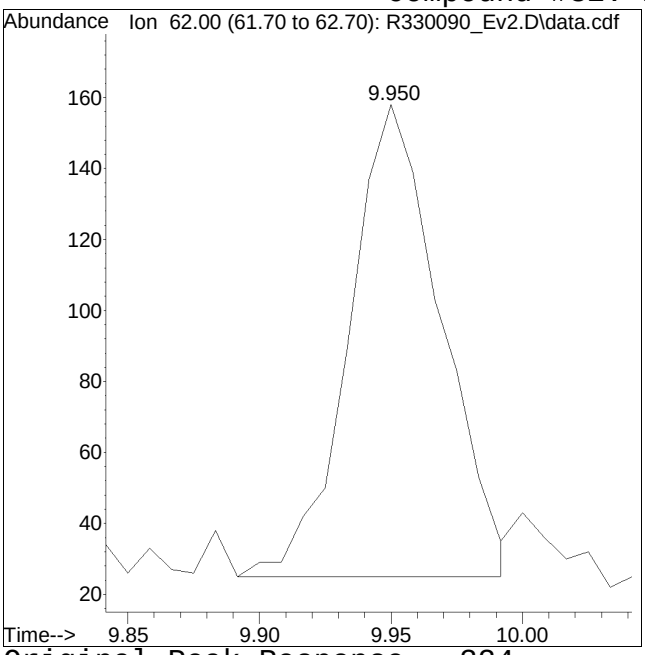
Manual Peak Response = 441 M4

M4 = Poor automated baseline construction.

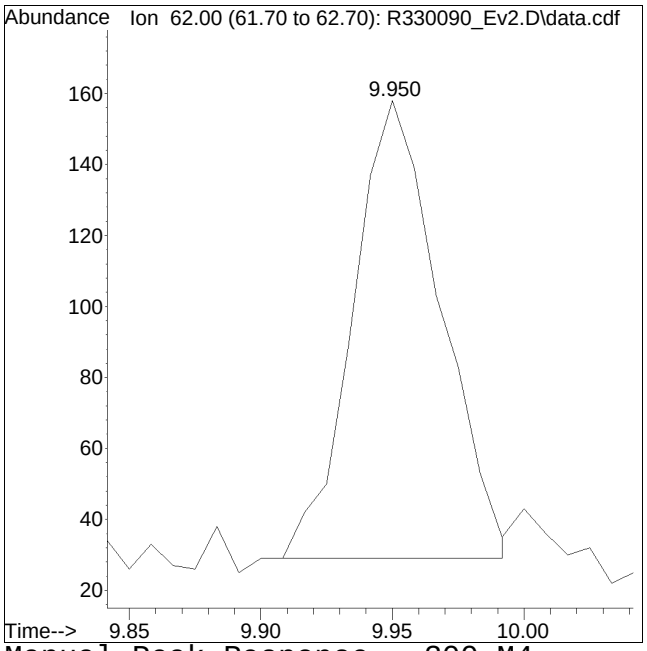
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330090_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:7: 6 Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 4/2/2024 2:30 pm

Compound #32: 1,2-dichloroethane



Original Peak Response = 324



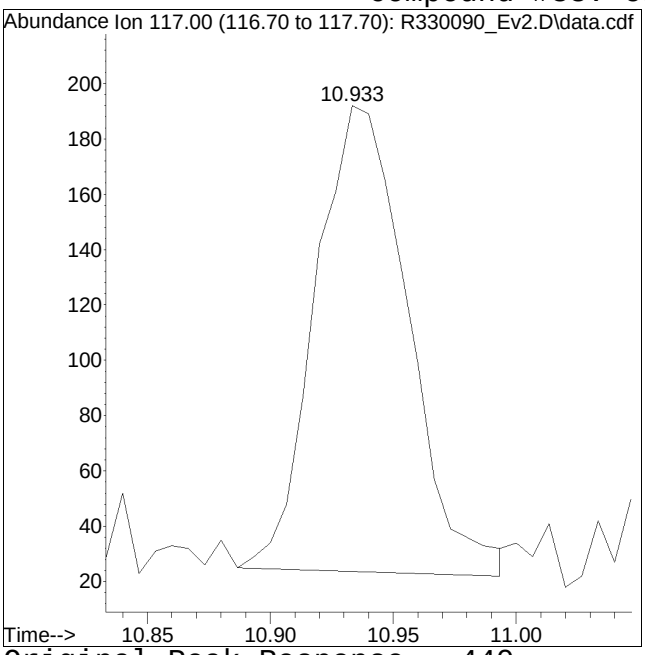
Manual Peak Response = 300 M4

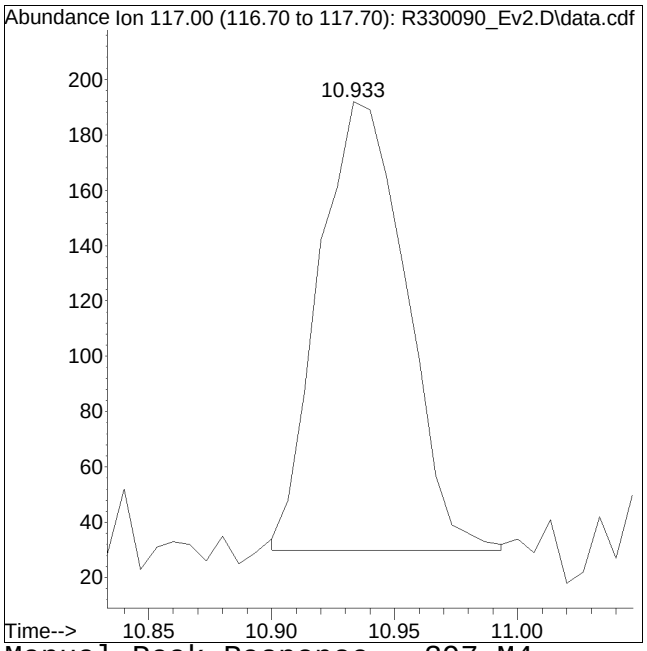
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330090_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:7: 6 Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 4/2/2024 2:30 pm

Compound #38: carbon tetrachloride



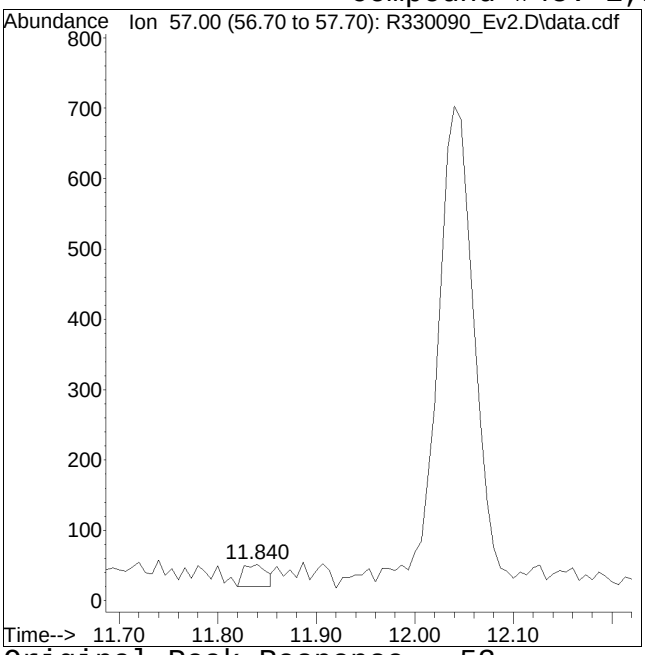


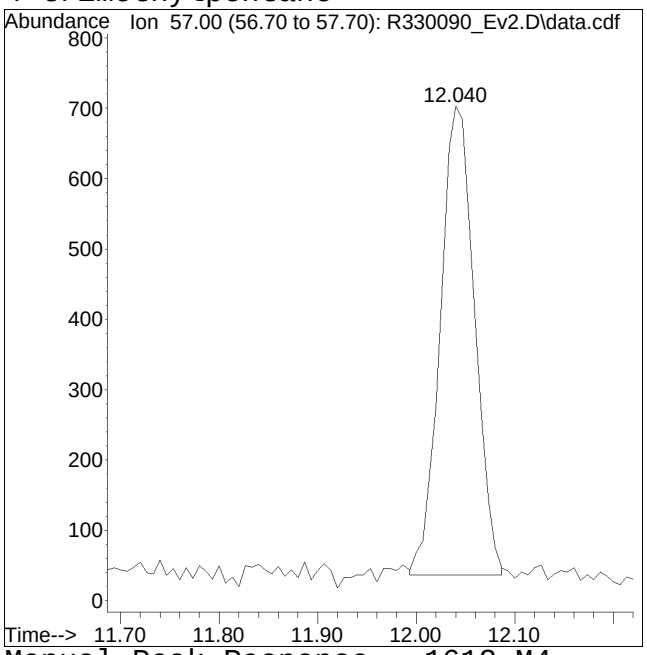
Original Peak Response = 440 Manual Peak Response = 397 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330090_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:7: 6 Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 4/2/2024 2:30 pm

Compound #45: 2,2,4-trimethylpentane



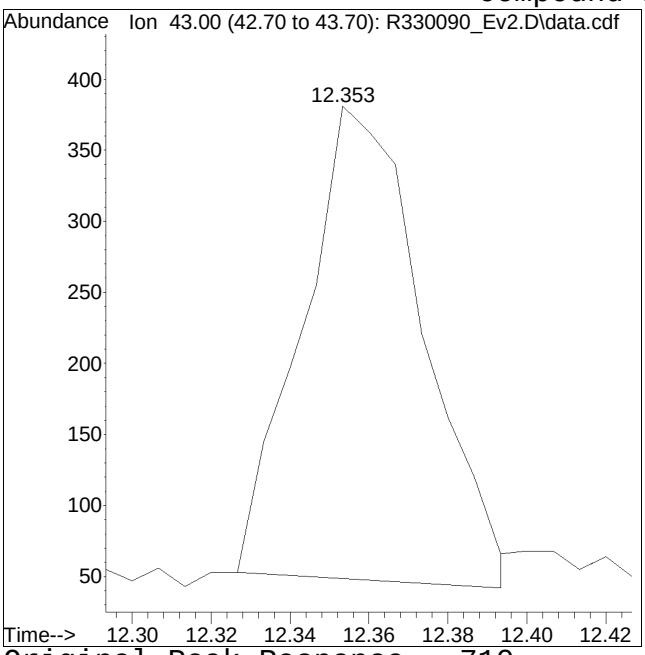


Original Peak Response = 53 Manual Peak Response = 1612 M4
M4 = Poor automated baseline construction.

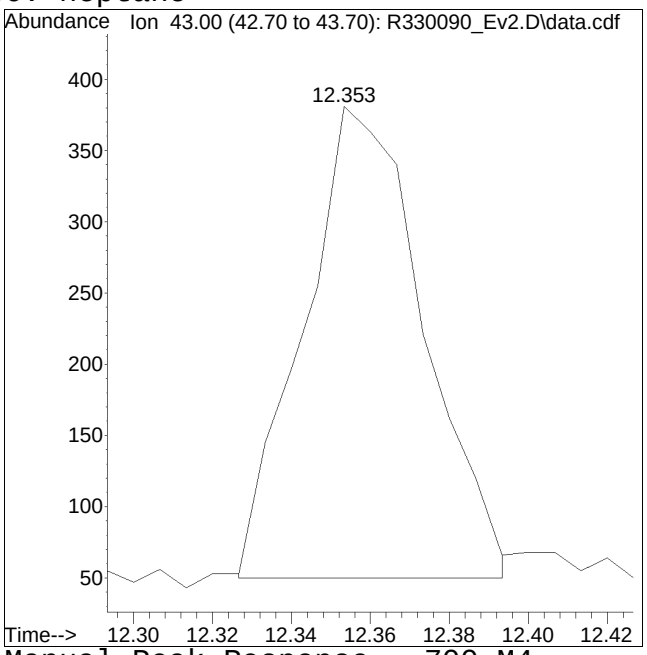
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330090_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:7: 6 Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 4/2/2024 2:30 pm

Compound #46: heptane



Original Peak Response = 710



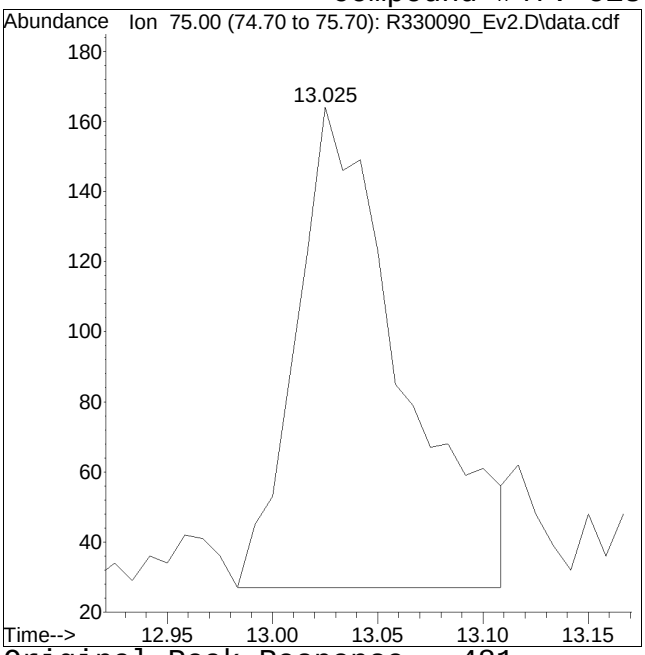
Manual Peak Response = 700 M4

M4 = Poor automated baseline construction.

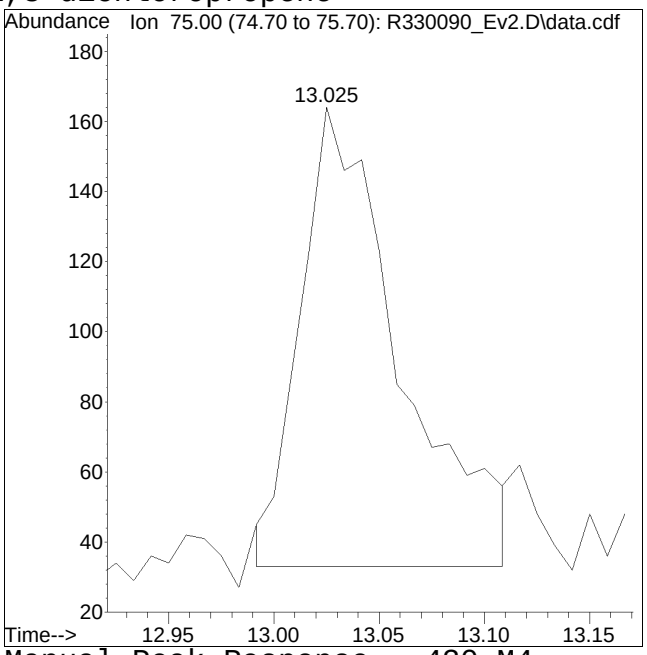
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330090_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:7: 6 Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 4/2/2024 2:30 pm

Compound #47: cis-1,3-dichloropropene



Original Peak Response = 481



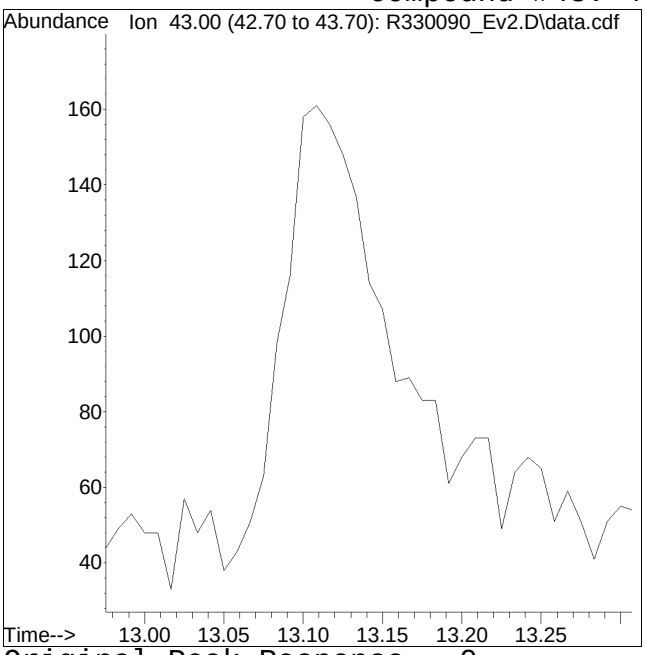
Manual Peak Response = 430 M4

M4 = Poor automated baseline construction.

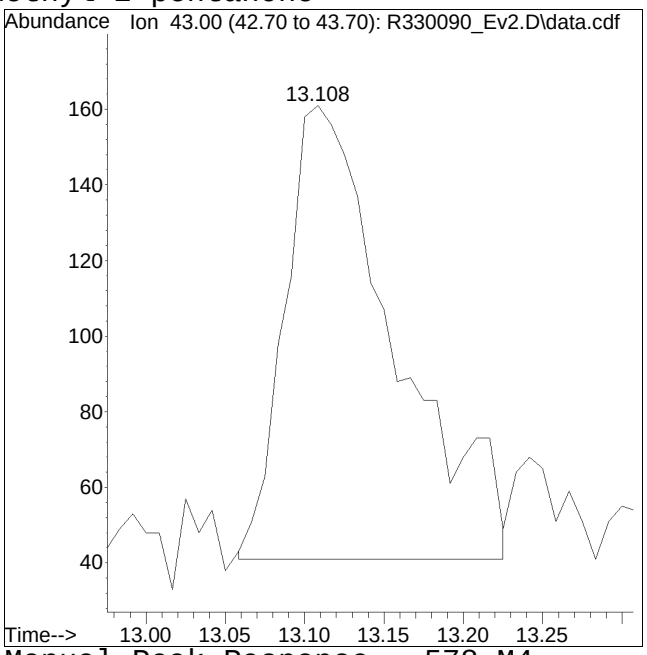
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330090_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:7: 6 Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 4/2/2024 2:30 pm

Compound #48: 4-methyl-2-pentanone



Original Peak Response = 0



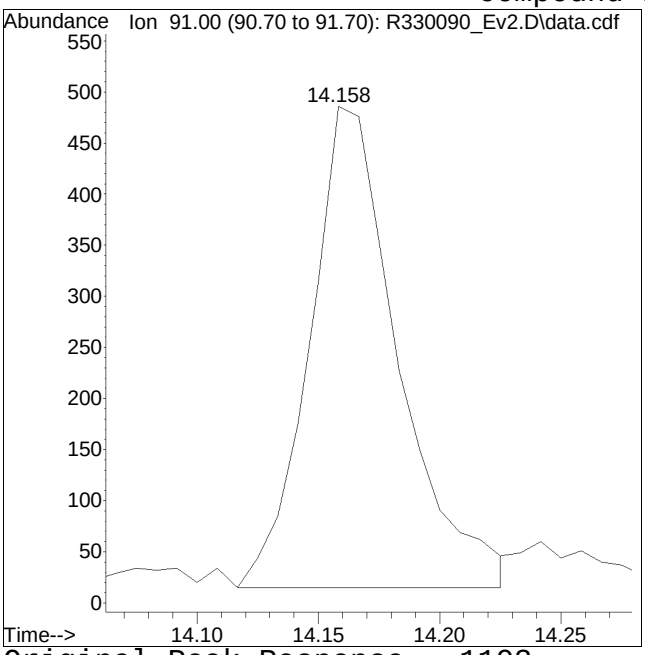
Manual Peak Response = 578 M4

M4 = Poor automated baseline construction.

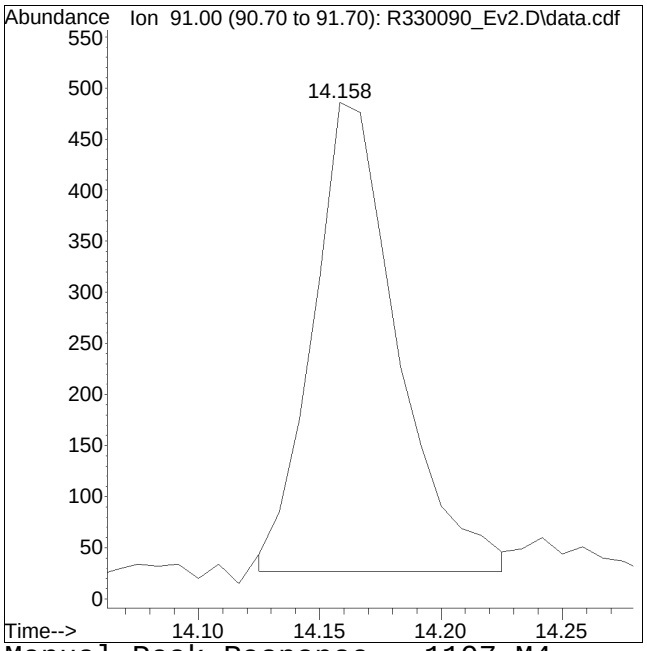
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330090_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:7: 6 Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 4/2/2024 2:30 pm

Compound #52: toluene



Original Peak Response = 1193



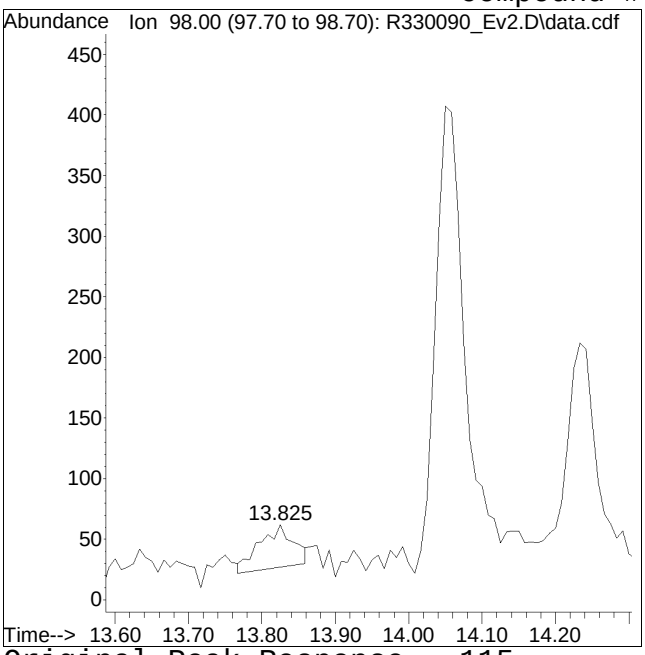
Manual Peak Response = 1107 M4

M4 = Poor automated baseline construction.

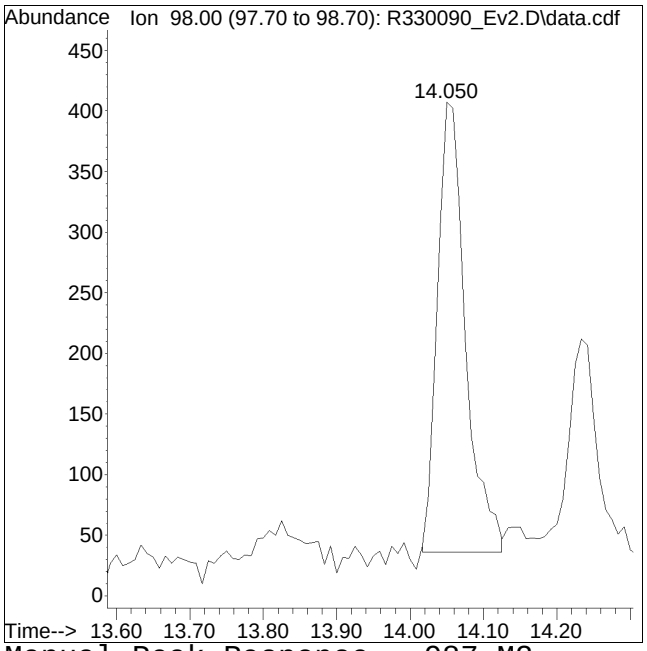
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330090_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:7: 6 Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 4/2/2024 2:30 pm

Compound #53: toluene-D8



Original Peak Response = 115



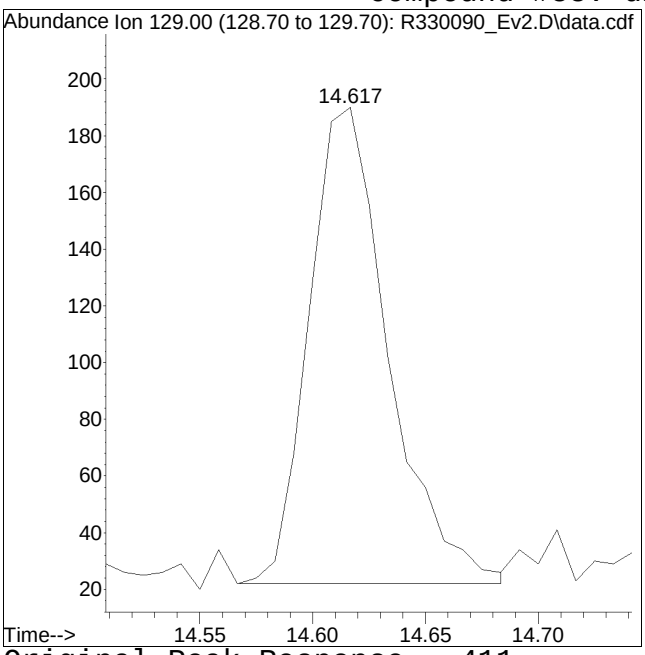
Manual Peak Response = 987 M2

M2 = Peak not found by automatic integration algorithm.

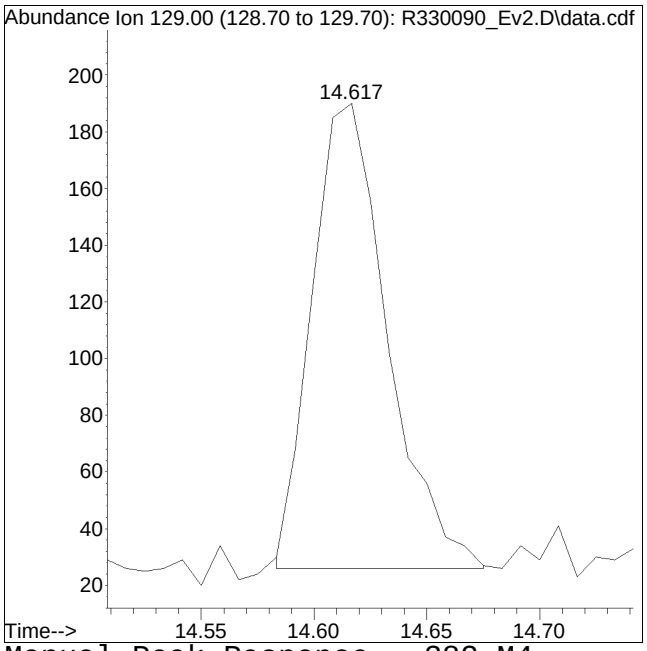
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330090_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:7: 6 Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 4/2/2024 2:30 pm

Compound #55: dibromochloromethane



Original Peak Response = 411



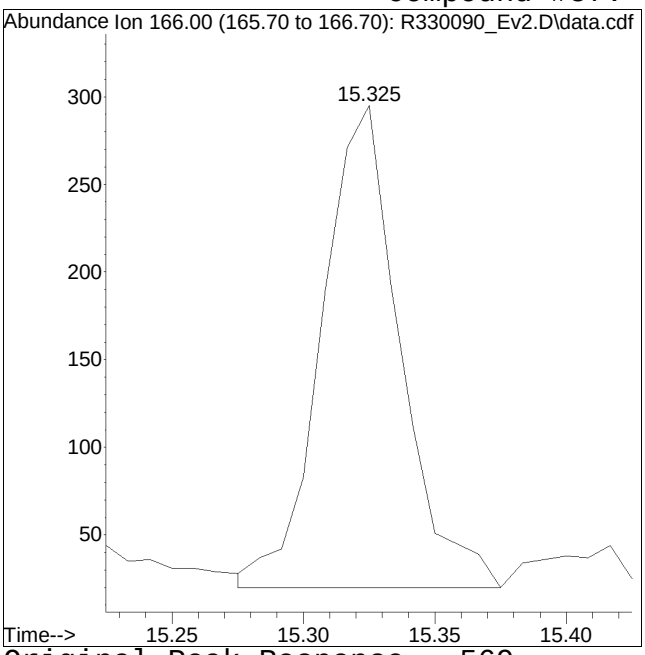
Manual Peak Response = 382 M4

M4 = Poor automated baseline construction.

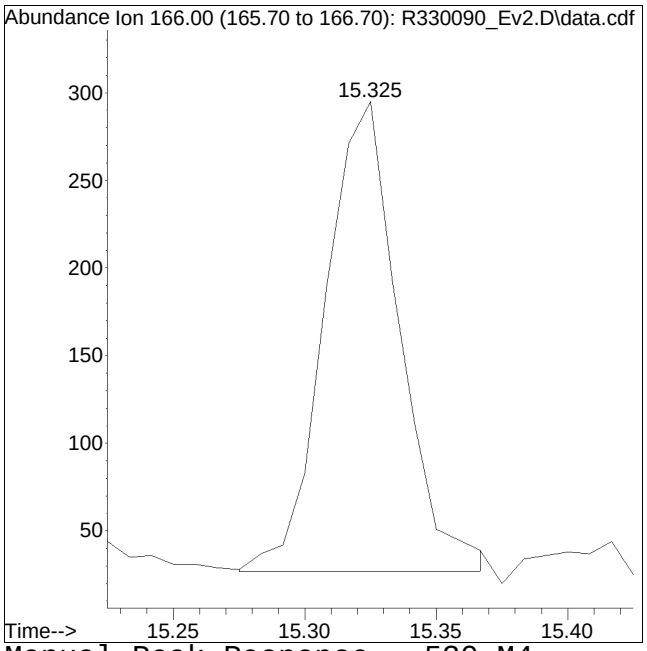
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330090_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:7: 6 Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 4/2/2024 2:30 pm

Compound #57: tetrachloroethene



Original Peak Response = 569



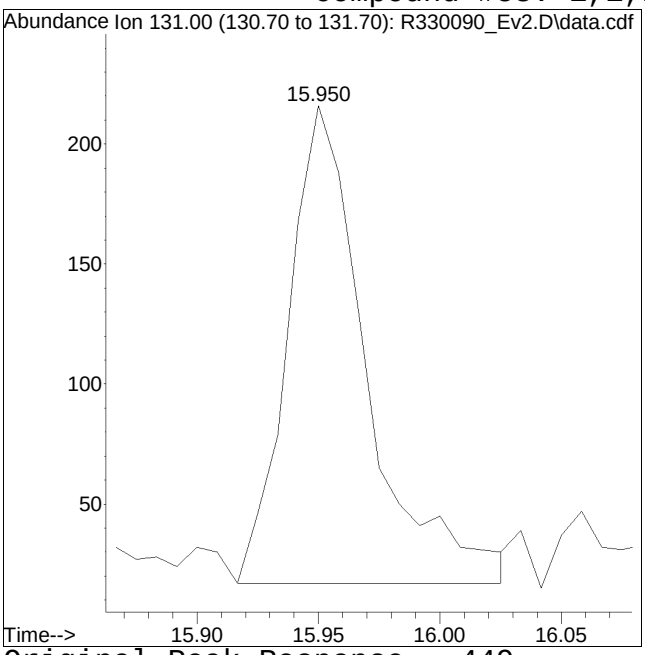
Manual Peak Response = 530 M4

M4 = Poor automated baseline construction.

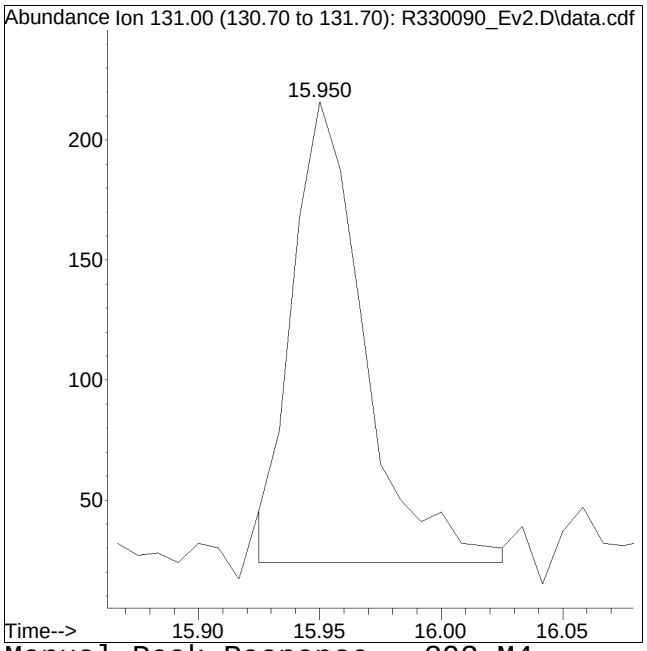
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330090_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:7: 6 Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 4/2/2024 2:30 pm

Compound #58: 1,1,1,2-tetrachloroethane



Original Peak Response = 449



Manual Peak Response = 393 M4

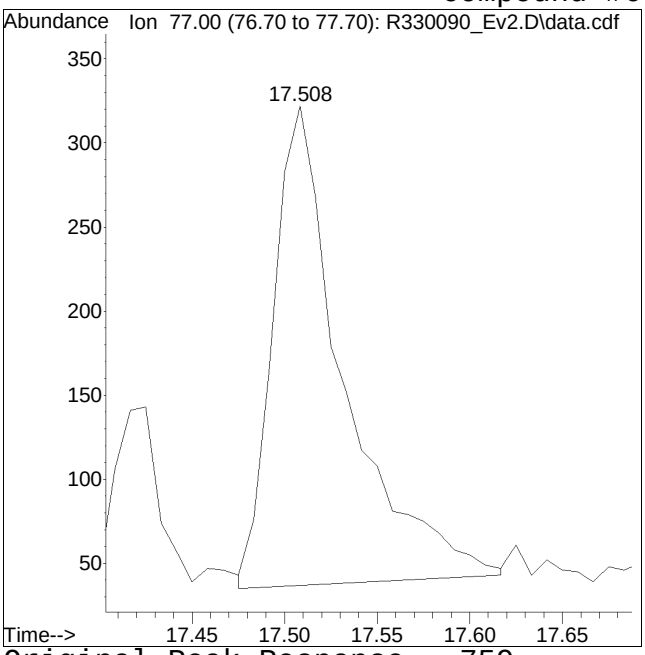
M4 = Poor automated baseline construction.

Manual Integration Report

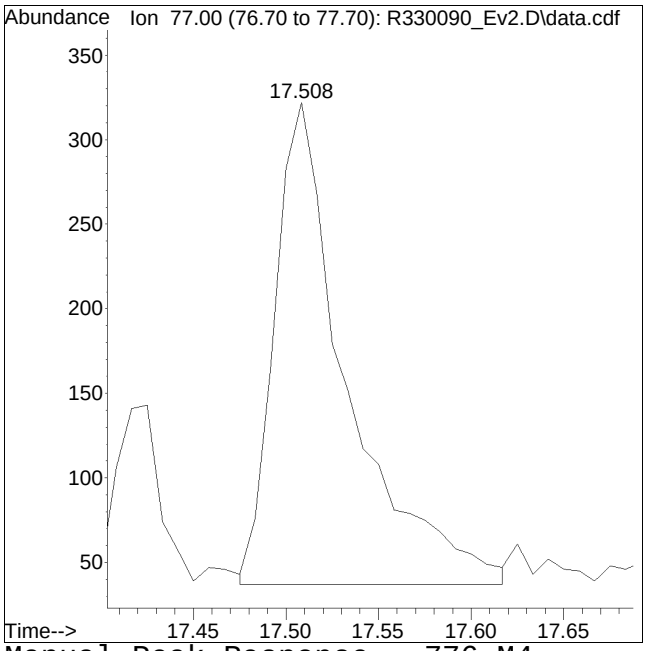
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330090_Ev2.D
Date Inj'd : 4/1/2020 0:7: 6
Sample : ITO15-SIMSTD0.02

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:30 pm

Compound #69: Bromobenzene



Original Peak Response = 759



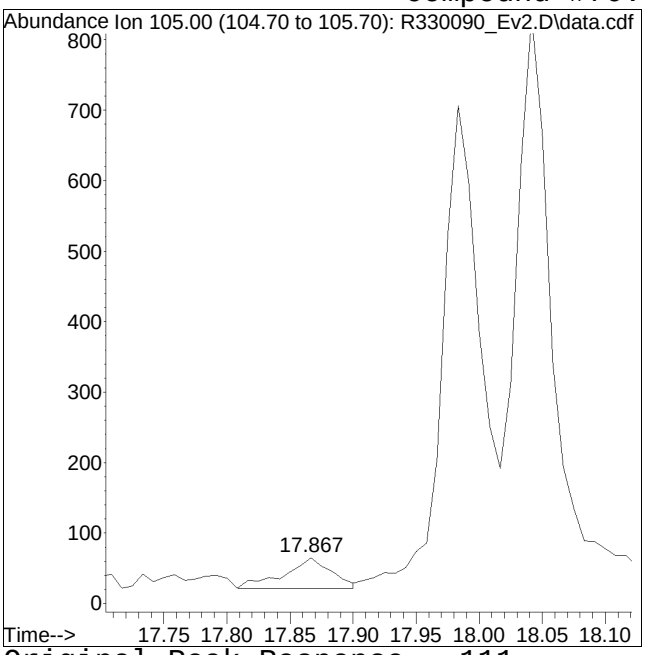
Manual Peak Response = 776 M4

M4 = Poor automated baseline construction.

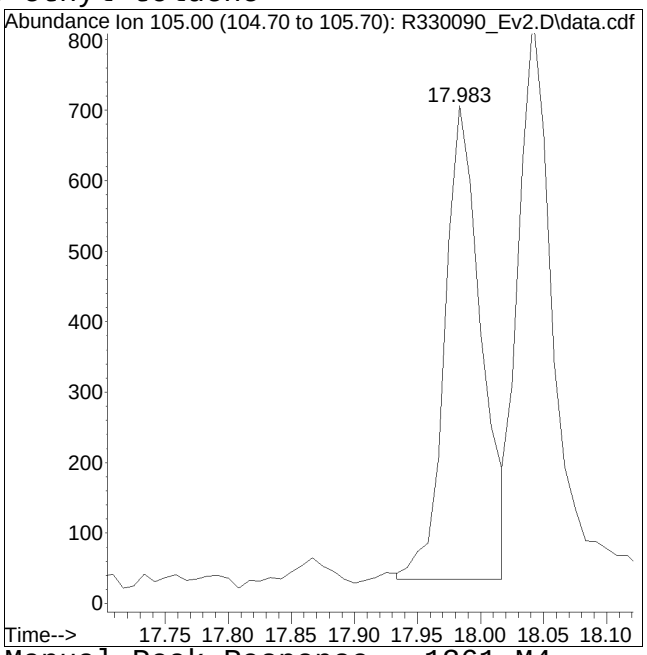
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330090_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:7: 6 Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 4/2/2024 2:30 pm

Compound #70: 4-ethyl toluene



Original Peak Response = 111



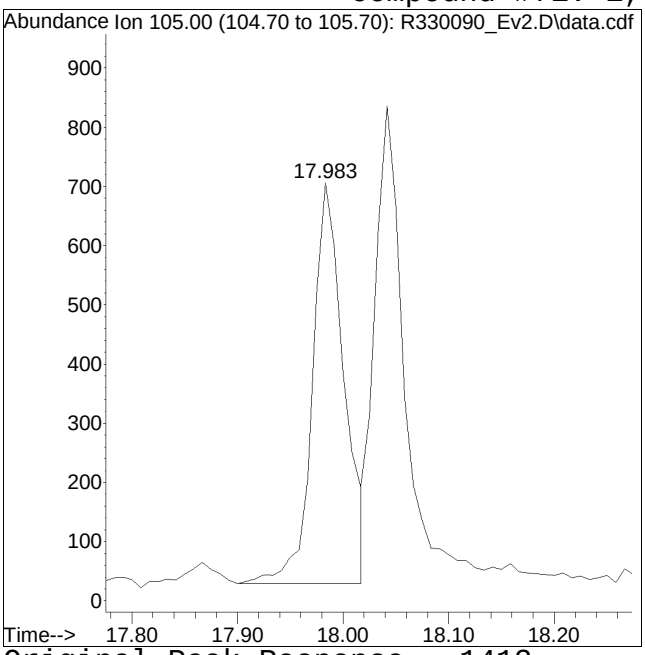
Manual Peak Response = 1361 M4

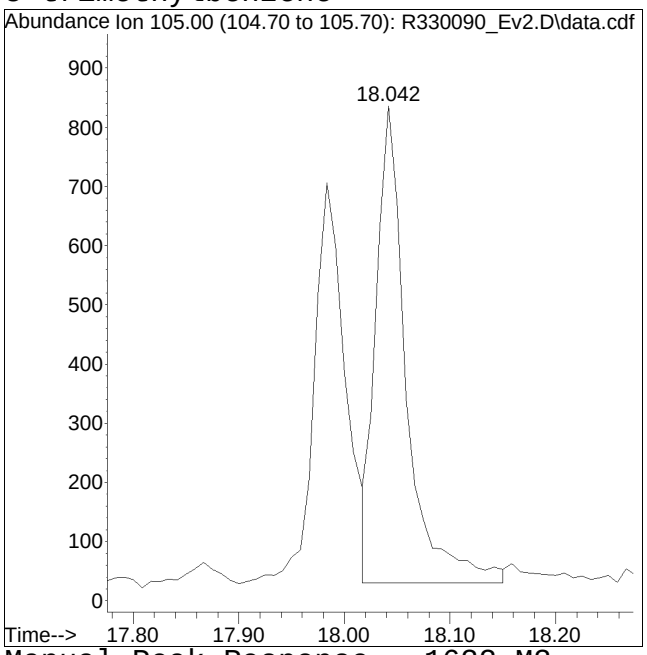
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330090_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:7: 6 Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 4/2/2024 2:30 pm

Compound #71: 1,3,5-trimethylbenzene





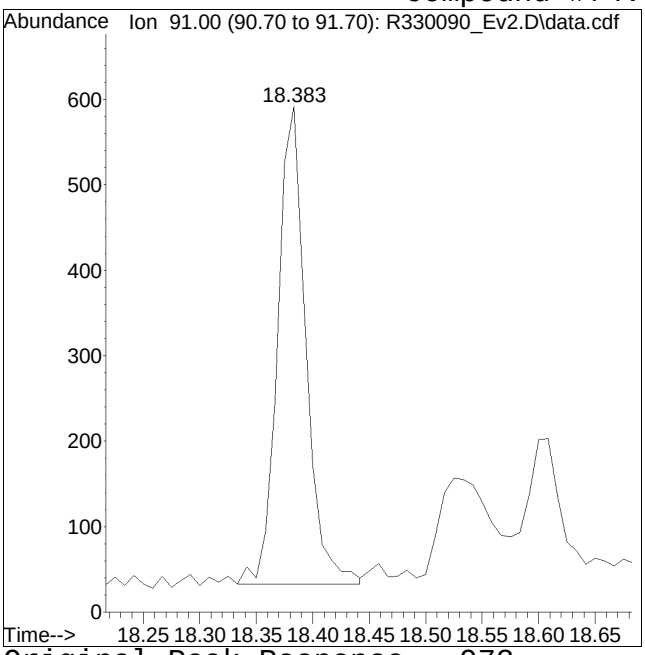
Original Peak Response = 1412 Manual Peak Response = 1622 M3

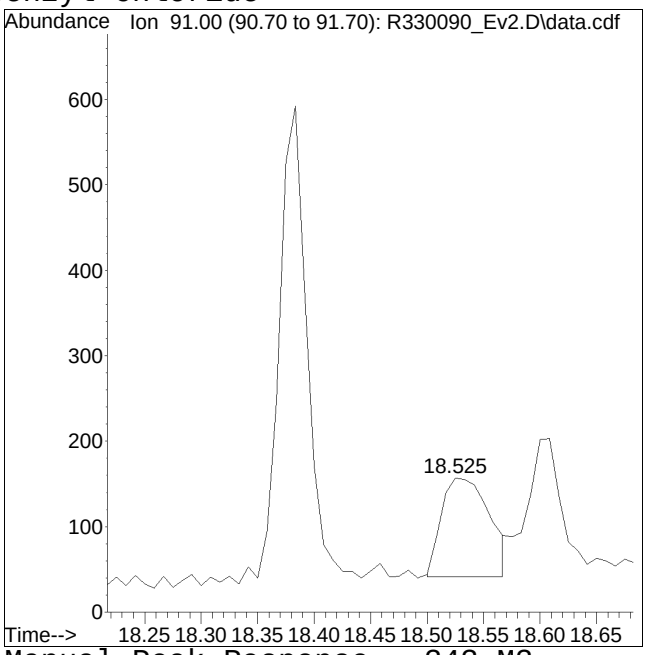
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330090_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:7: 6 Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 4/2/2024 2:30 pm

Compound #74: Benzyl Chloride





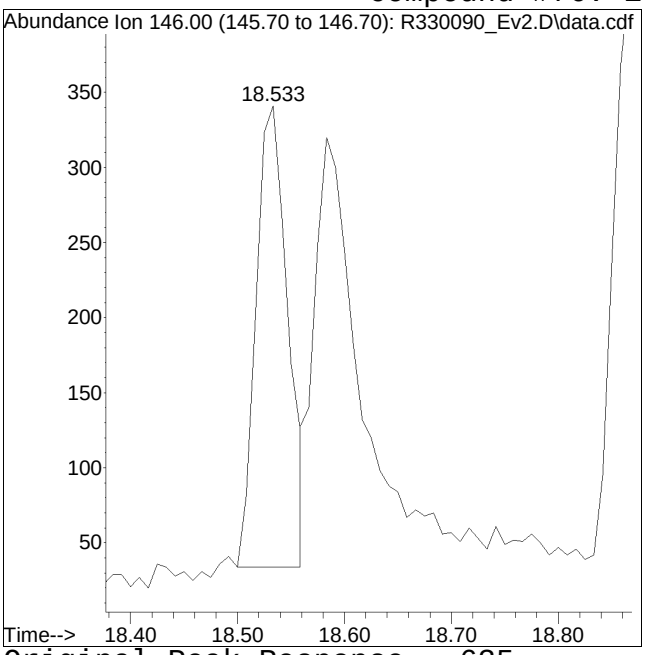
Original Peak Response = 973 Manual Peak Response = 343 M3

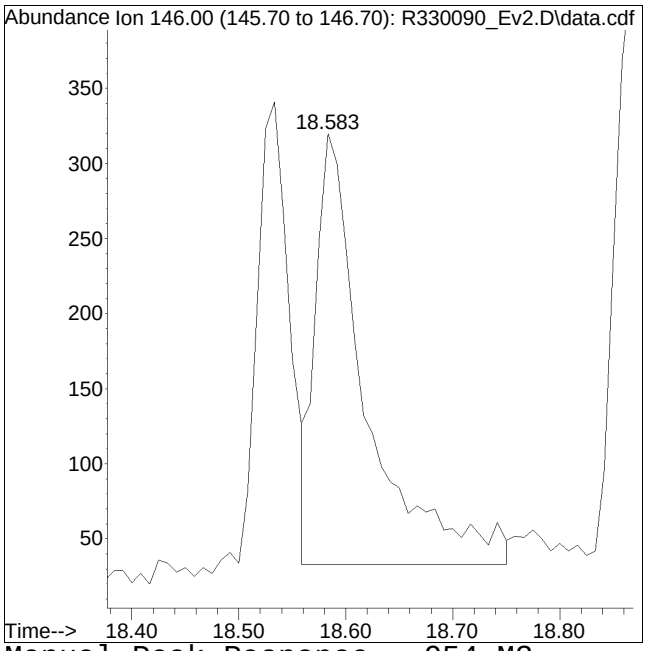
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330090_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:7: 6 Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 4/2/2024 2:30 pm

Compound #76: 1,4-dichlorobenzene





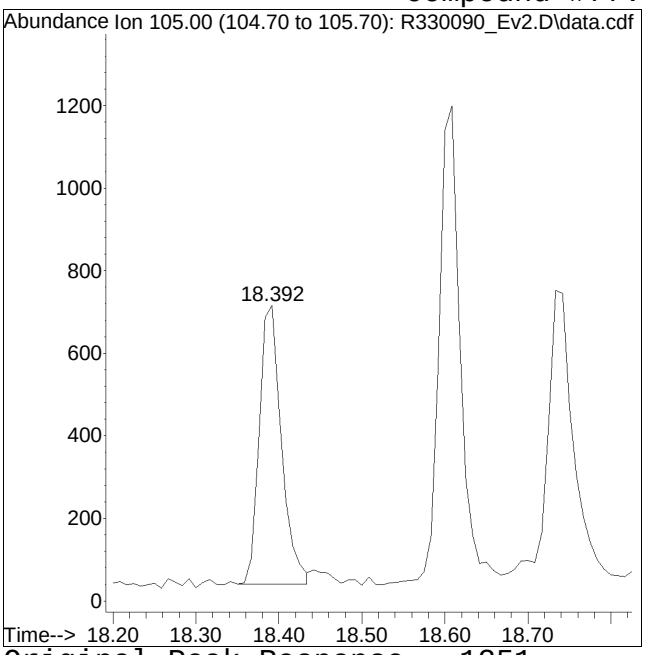
Original Peak Response = 635 Manual Peak Response = 954 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

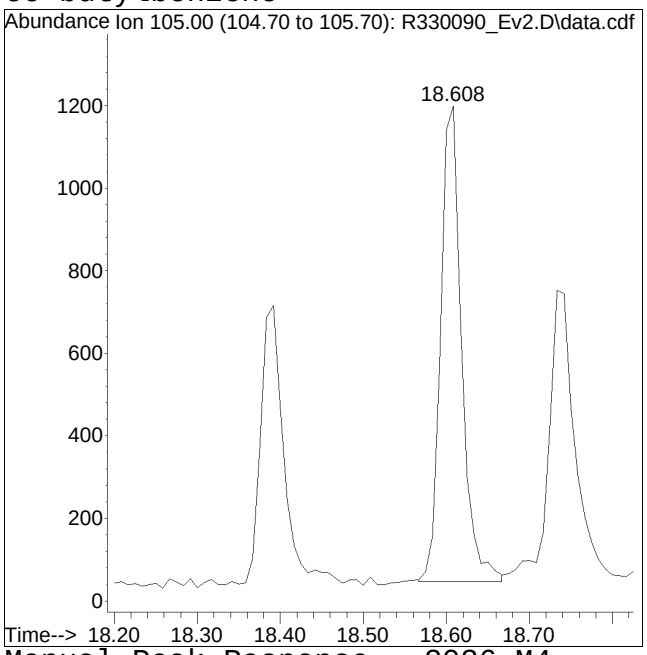
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330090_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:7: 6 Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 4/2/2024 2:30 pm

Compound #77: sec-butylbenzene



Original Peak Response = 1251



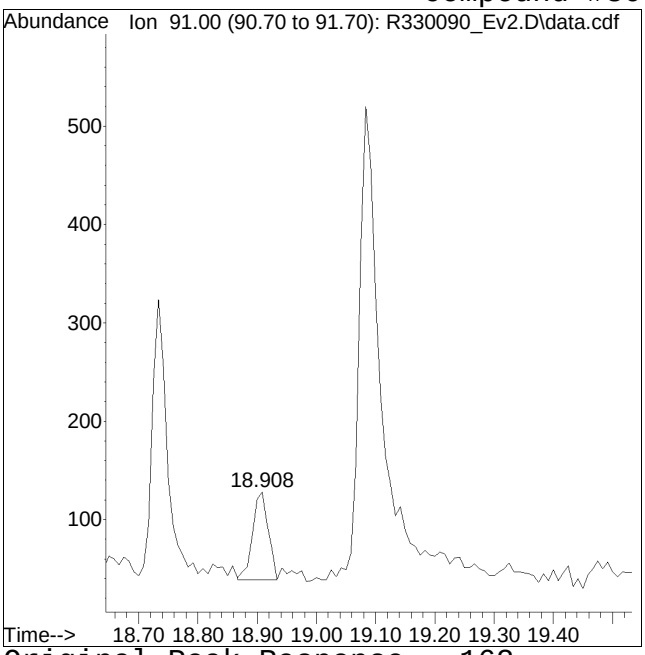
Manual Peak Response = 2026 M4

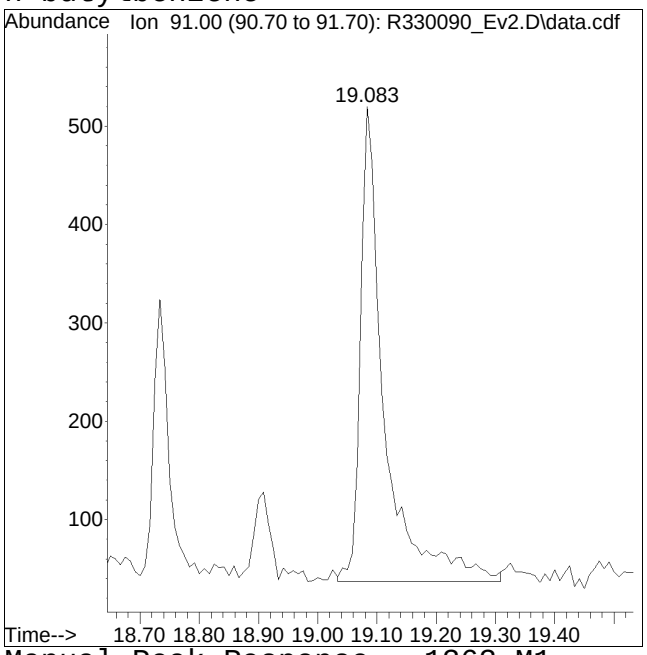
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330090_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:7: 6 Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 4/2/2024 2:30 pm

Compound #80: n-butylbenzene



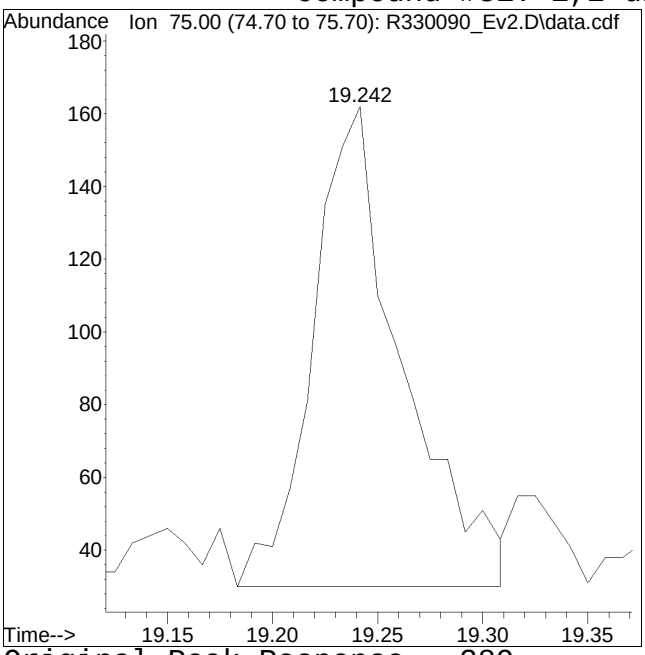


Original Peak Response = 162 Manual Peak Response = 1363 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

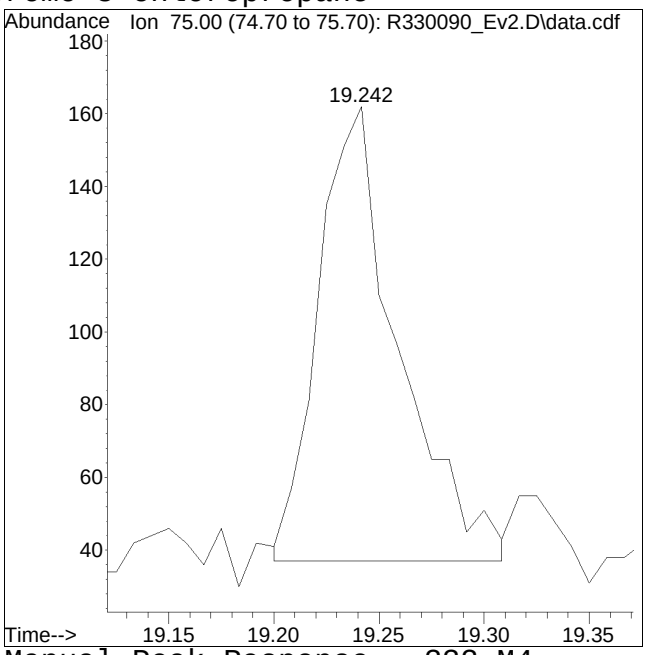
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330090_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:7: 6 Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 4/2/2024 2:30 pm

Compound #81: 1,2-dibromo-3-chloropropane



Original Peak Response = 389



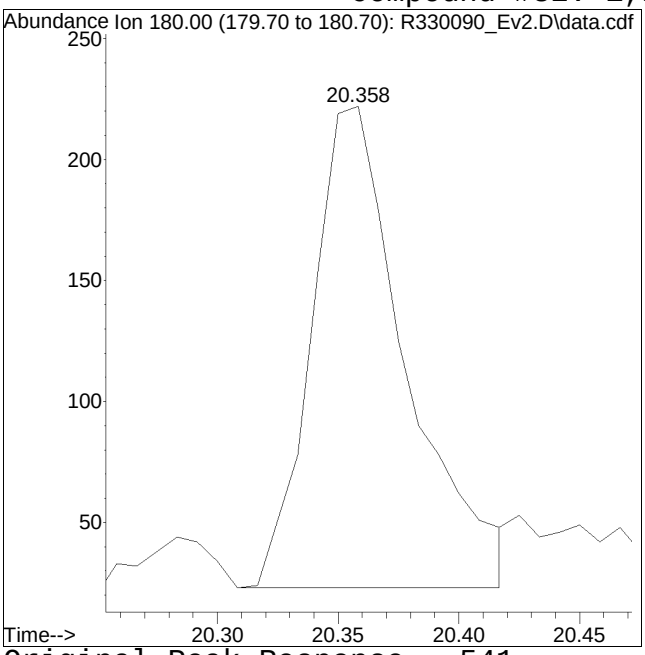
Manual Peak Response = 332 M4

M4 = Poor automated baseline construction.

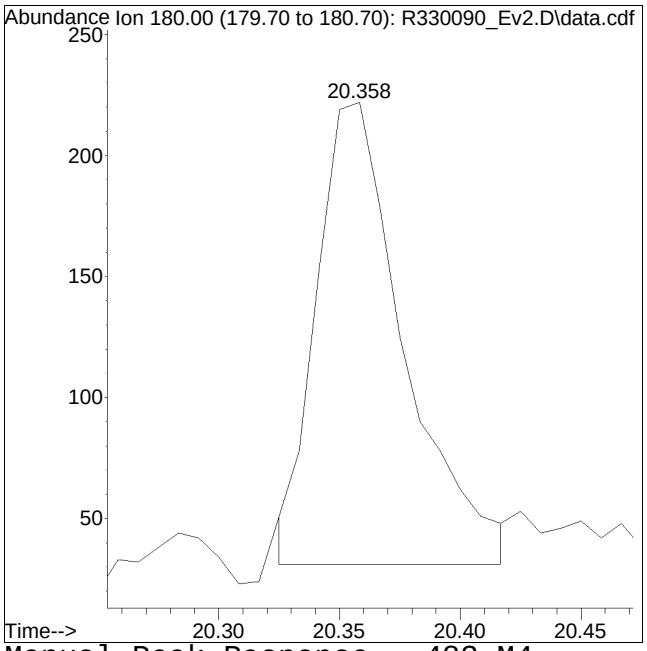
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330090_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:7: 6 Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 4/2/2024 2:30 pm

Compound #82: 1,2,4-trichlorobenzene



Original Peak Response = 541



Manual Peak Response = 483 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330091_Ev2.D
Acq On : 1 Apr 2024 8:14 PM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.05
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:30:49 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.958	49	194407	10.000	ppbV	0.14
33) 1,4-difluorobenzene	11.193	114	684154	10.000	ppbV	0.14
51) chlorobenzene-D5	15.917	54	81055	10.000	ppbV	0.11
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	0.000	65	0	0.000	ppbV	
Spiked Amount 10.000	Range 70 - 130		Recovery =	0.00%#		
53) toluene-D8	14.050	98	1254	0.023	ppbV	0.14
Spiked Amount 10.000	Range 70 - 130		Recovery =	0.23%#		
67) bromofluorobenzene	17.317	95	315M4	0.008	ppbV	0.12
Spiked Amount 10.000	Range 70 - 130		Recovery =	0.08%#		
Target Compounds						Qvalue
2) propylene	3.816	41	1542M6	0.083	ppbV	
3) dichlorodifluoromethane	3.888	85	1205M3	0.045	ppbV	
4) chloromethane	4.050	50	609	0.045	ppbV	93
5) Freon-114	4.152	85	1399	0.043	ppbV	98
6) vinyl chloride	4.278	62	654	0.043	ppbV	90
7) 1,3-butadiene	4.416	54	477	0.041	ppbV	100
8) bromomethane	4.698	94	484	0.043	ppbV	98
9) chloroethane	4.878	64	333	0.043	ppbV #	76
10) ethanol	5.028	31	2179	0.242	ppbV	95
11) vinyl bromide	5.257	106	543	0.496	ppbV	94
12) acrolein	5.400	56	391M3	0.048	ppbV	
13) acetone	5.550	43	7097	0.274	ppbV #	98
14) trichlorofluoromethane	5.713	101	1151	0.042	ppbV	99
15) isopropyl alcohol	5.837	45	5024	0.153	ppbV	99
16) acrylonitrile	6.050	53	646M4	0.046	ppbV	
17) 1,1-dichloroethene	6.412	61	1046	0.039	ppbV	94
18) tertiary butyl alcohol	6.508	59	1421	0.041	ppbV	94
19) methylene chloride	6.550	49	1405	0.075	ppbV	100
20) 3-chloropropene	6.682	41	1225	0.040	ppbV	96
21) carbon disulfide	6.856	76	2644	0.043	ppbV #	47
22) Freon 113	6.850	101	1487	0.047	ppbV	97
23) trans-1,2-dichloroethene	7.600	61	1098	0.040	ppbV	98
24) 1,1-dichloroethane	7.825	63	1441	0.040	ppbV	96
25) MTBE	7.925	73	2223	0.042	ppbV #	94
26) vinyl acetate	8.025	43	1870M3	0.044	ppbV	
27) 2-butanone	8.317	43	1819	0.042	ppbV #	98

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330091_Ev2.D
Acq On : 1 Apr 2024 8:14 PM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.05
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:30:49 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) cis-1,2-dichloroethene	8.775	61	1001M4	0.039	ppbV		
29) Ethyl Acetate	9.083	61	288M4	0.041	ppbV		
30) chloroform	9.117	83	1343	0.044	ppbV	#	95
31) Tetrahydrofuran	9.617	42	1203	0.043	ppbV		98
32) 1,2-dichloroethane	9.950	62	796	0.041	ppbV	#	90
34) hexane	9.025	57	1479	0.045	ppbV	#	43
36) 1,1,1-trichloroethane	10.242	97	1113	0.043	ppbV		97
37) benzene	10.767	78	3930	0.055	ppbV		96
38) carbon tetrachloride	10.940	117	970M4	0.040	ppbV		
39) cyclohexane	11.080	56	1436	0.042	ppbV		92
40) Dibromomethane	11.693	93	732	0.042	ppbV	#	44
41) 1,2-dichloropropane	11.727	63	1206M3	0.046	ppbV		
42) bromodichloromethane	11.947	83	1227	0.039	ppbV	#	97
43) 1,4-dioxane	12.040	88	544M4	0.039	ppbV		
44) trichloroethene	12.007	130	1052	0.041	ppbV		96
45) 2,2,4-trimethylpentane	12.040	57	4353	0.042	ppbV		98
46) heptane	12.360	43	1961	0.042	ppbV		98
47) cis-1,3-dichloropropene	13.025	75	1163	0.032	ppbV	#	87
48) 4-methyl-2-pentanone	13.092	43	1513M4	0.028	ppbV		
49) trans-1,3-dichloropropene	13.667	75	602M4	0.021	ppbV		
50) 1,1,2-trichloroethane	13.850	97	842	0.035	ppbV		97
52) toluene	14.158	91	2851	0.040	ppbV		97
54) 2-hexanone	14.525	43	777M4	0.016	ppbV		
55) dibromochloromethane	14.617	129	1087	0.038	ppbV		98
56) 1,2-dibromoethane	14.875	107	1593M2	0.045	ppbV		
57) tetrachloroethene	15.325	166	1350	0.043	ppbV		95
58) 1,1,1,2-tetrachloroethane	15.950	131	946	0.041	ppbV	#	96
59) chlorobenzene	15.967	112	2690	0.044	ppbV		99
60) ethylbenzene	16.325	91	3552	0.040	ppbV		96
61) m+p-xylene	16.483	91	5929	0.082	ppbV		99
62) bromoform	16.558	173	987M4	0.035	ppbV		
63) styrene	16.825	104	1953	0.029	ppbV		97
64) 1,1,2,2-tetrachloroethane	16.908	83	2045	0.039	ppbV		97
65) o-xylene	16.908	91	2895	0.040	ppbV		96
66) 1,2,3-Trichloropropane	17.025	75	1747	0.040	ppbV		98
68) isopropylbenzene	17.417	105	4202	0.042	ppbV		97
69) Bromobenzene	17.500	77	2021	0.035	ppbV		92
70) 4-ethyl toluene	17.983	105	3736M3	0.034	ppbV		
71) 1,3,5-trimethylbenzene	18.042	105	4144M3	0.044	ppbV		
72) tert-butylbenzene	18.383	119	3876	0.042	ppbV		97
73) 1,2,4-trimethylbenzene	18.383	105	3506	0.038	ppbV		93

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330091_Ev2.D
Acq On : 1 Apr 2024 8:14 PM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.05
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:30:49 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

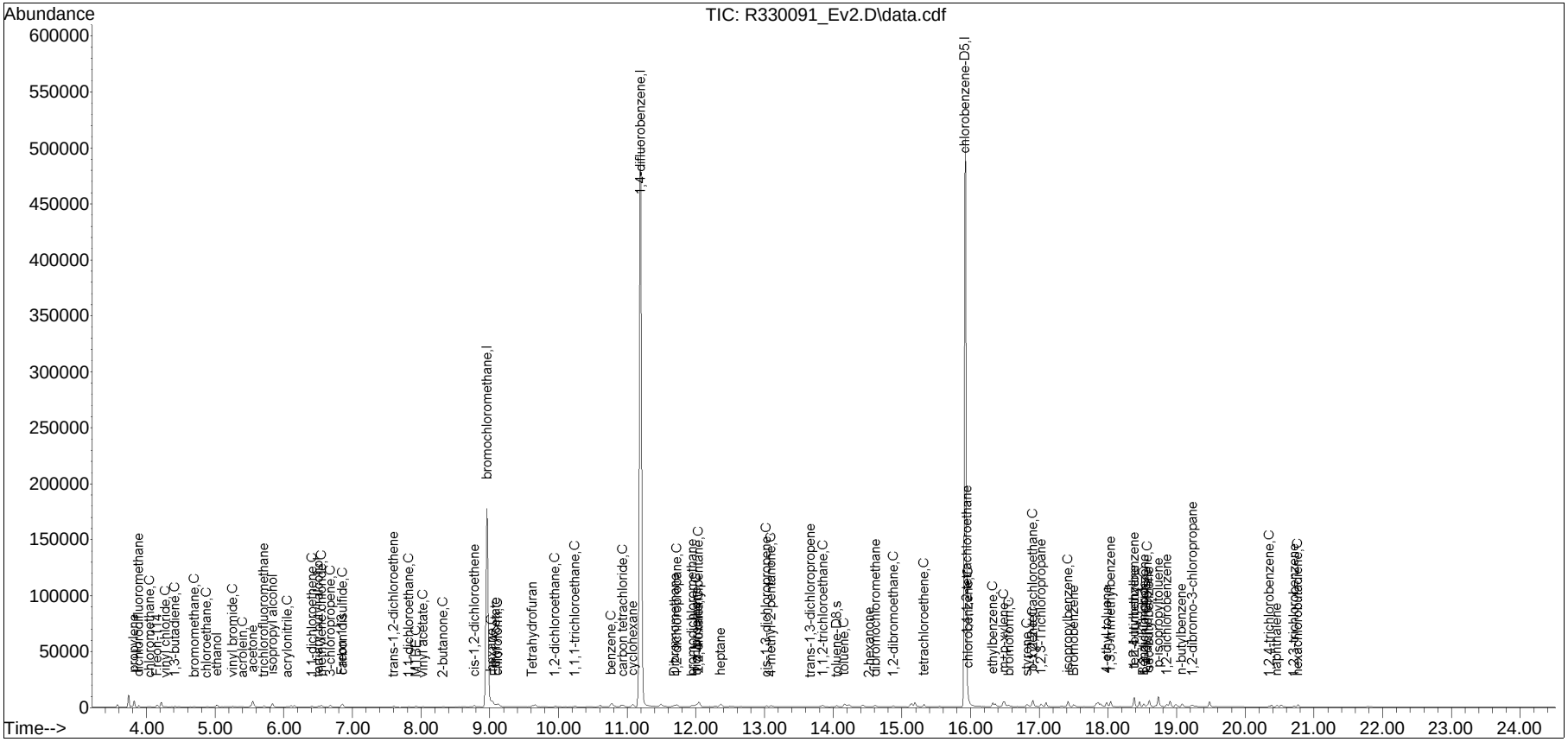
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Benzyl Chloride	18.517	91	1273	0.022	ppbV	97
75) 1,3-dichlorobenzene	18.525	146	1882	0.031	ppbV	98
76) 1,4-dichlorobenzene	18.575	146	2474M3	0.040	ppbV	
77) sec-butylbenzene	18.600	105	5270	0.041	ppbV	98
78) p-isopropyltoluene	18.733	119	4605	0.042	ppbV	99
79) 1,2-dichlorobenzene	18.858	146	2106	0.036	ppbV	98
80) n-butylbenzene	19.075	91	3294	0.035	ppbV	99
81) 1,2-dibromo-3-chloropr...	19.233	75	858	0.035	ppbV	90
82) 1,2,4-trichlorobenzene	20.350	180	1366	0.026	ppbV	95
83) naphthalene	20.458	128	3486	0.031	ppbV #	93
84) 1,2,3-trichlorobenzene	20.708	180	1453	0.032	ppbV	97
85) hexachlorobutadiene	20.767	225	1958	0.040	ppbV #	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-ICV-AP2 - All compounds listedd)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330091_Ev2.D
Acq On : 1 Apr 2024 8:14 PM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.05
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:30:49 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

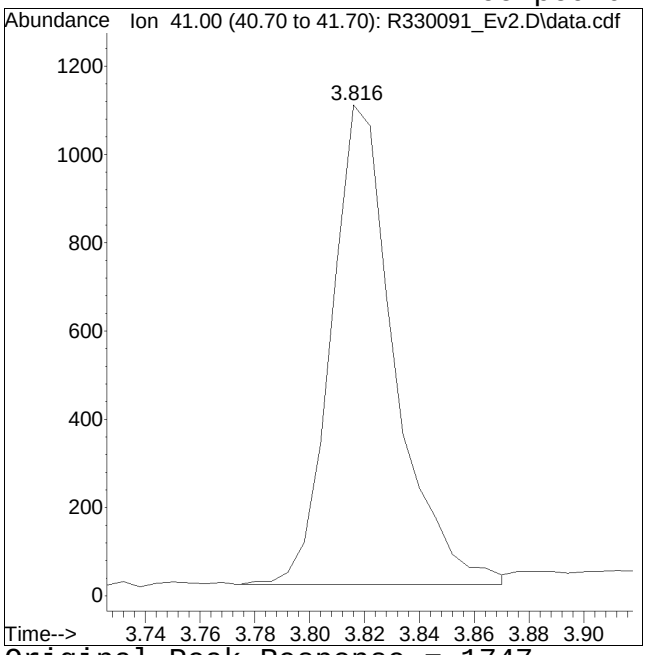


Manual Integration Report

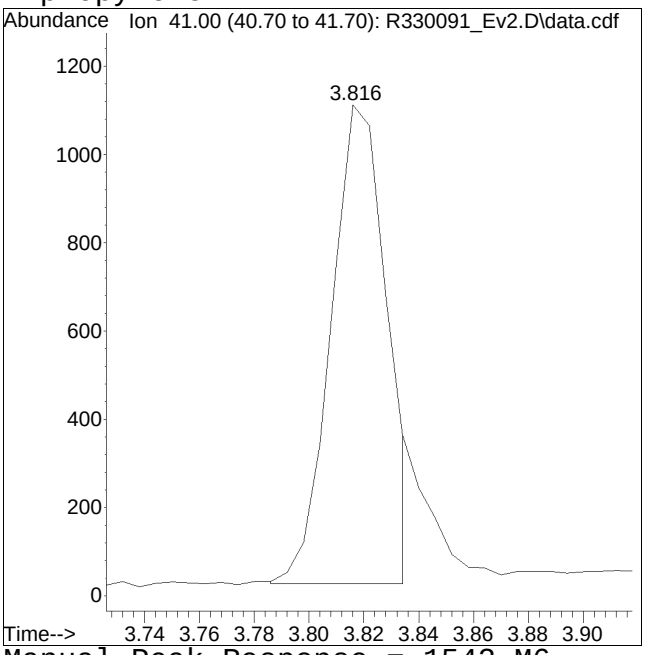
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330091_Ev2.D
Date Inj'd : 4/1/2020 0:8: 4
Sample : ITO15-SIMSTD0.05

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:30 pm

Compound #2: propylene



Original Peak Response = 1747



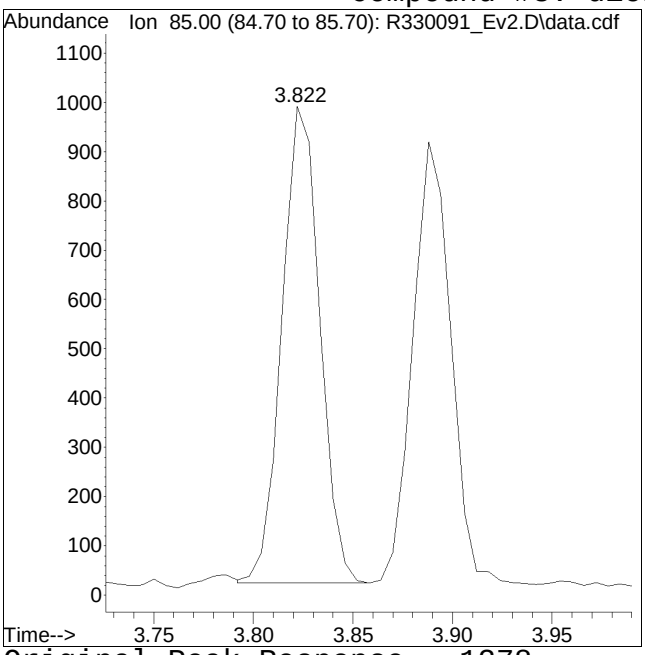
Manual Peak Response = 1542 M6

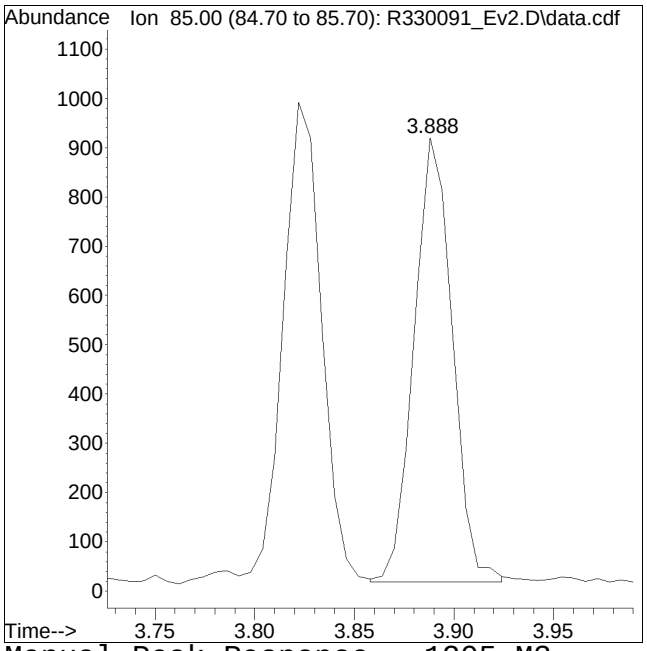
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330091_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:8: 4 Instrument :
Sample : ITO15-SIMSTD0.05 Quant Date : 4/2/2024 2:30 pm

Compound #3: dichlorodifluoromethane





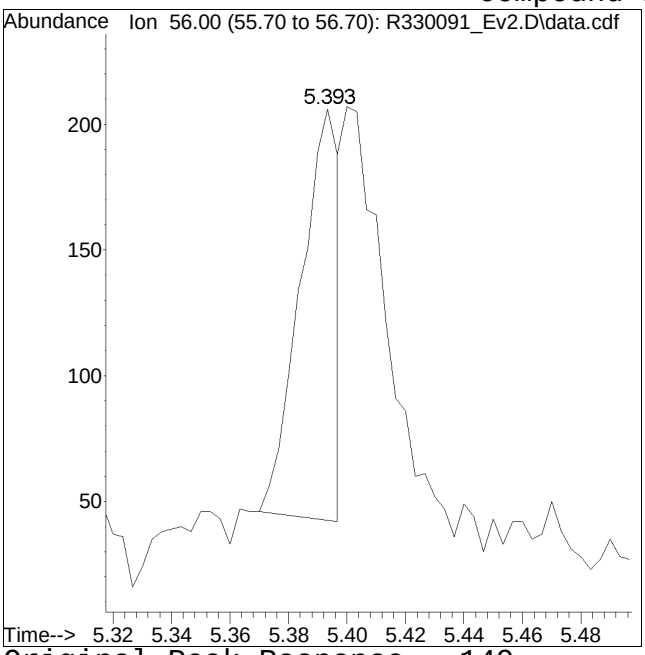
Original Peak Response = 1278 Manual Peak Response = 1205 M3

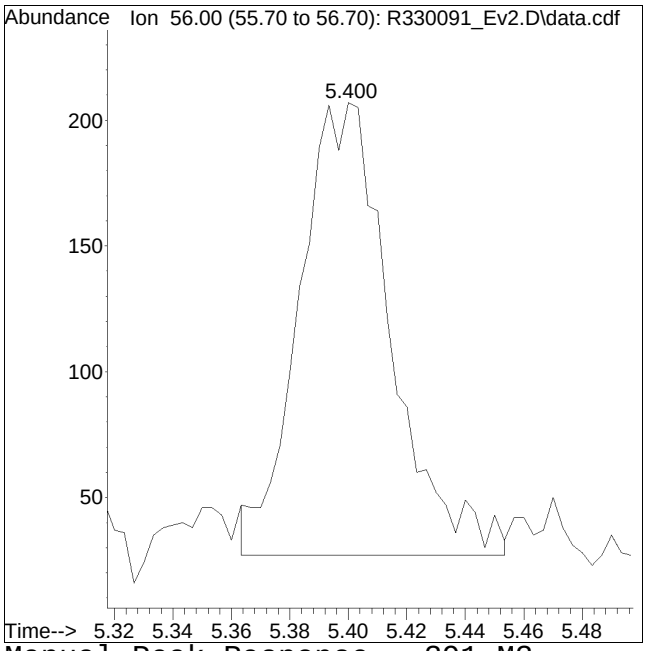
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330091_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:8: 4 Instrument :
Sample : ITO15-SIMSTD0.05 Quant Date : 4/2/2024 2:30 pm

Compound #12: acrolein





Original Peak Response = 149 Manual Peak Response = 391 M3

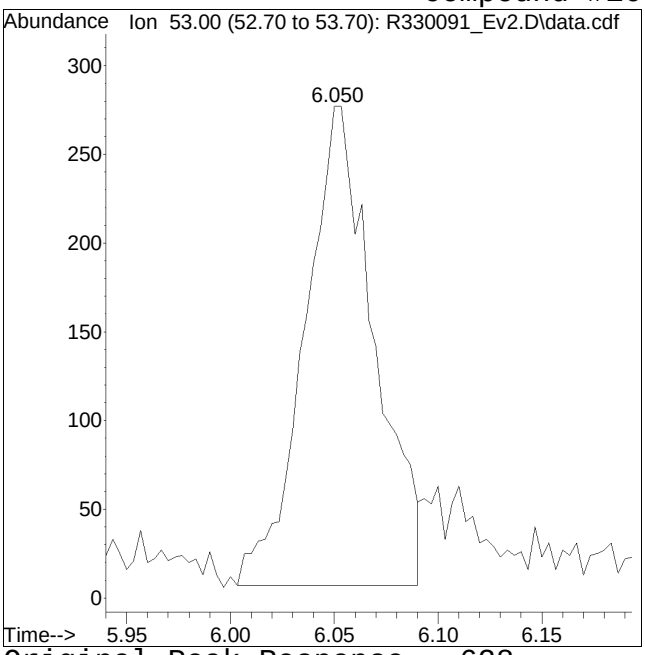
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

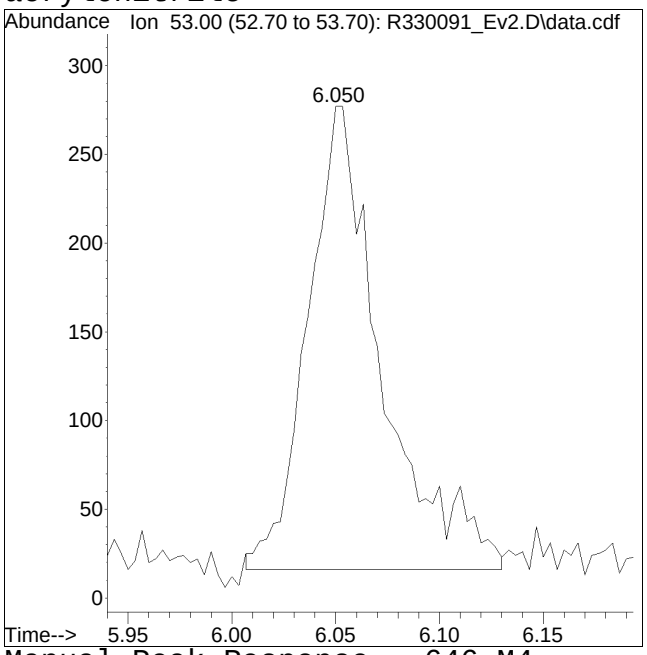
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330091_Ev2.D
Date Inj'd : 4/1/2020 0:8: 4
Sample : ITO15-SIMSTD0.05

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:30 pm

Compound #16: acrylonitrile



Original Peak Response = 628



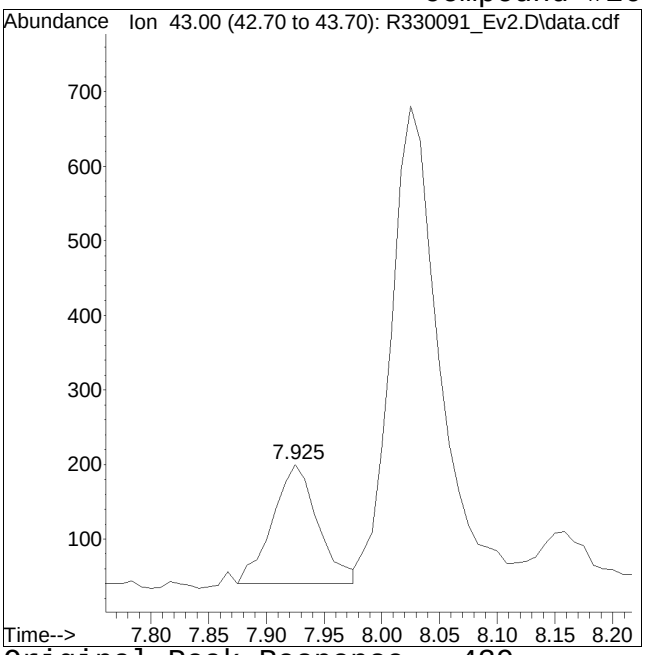
Manual Peak Response = 646 M4

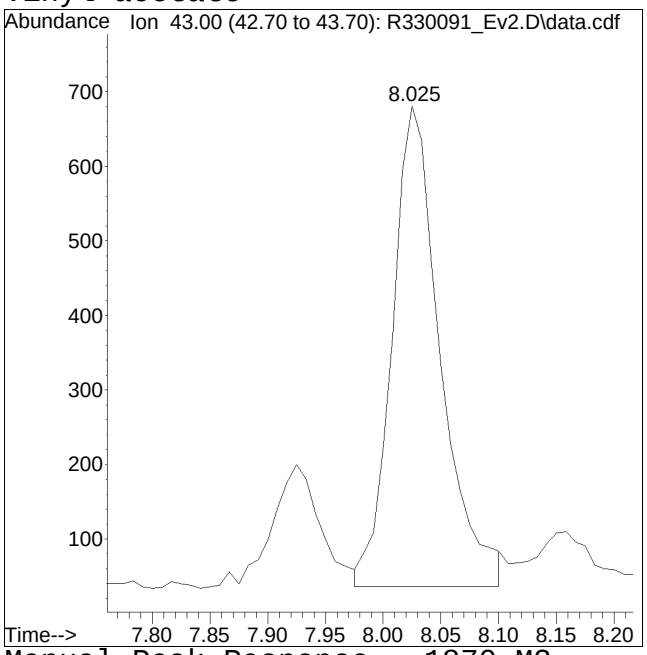
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330091_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:8: 4 Instrument :
Sample : ITO15-SIMSTD0.05 Quant Date : 4/2/2024 2:30 pm

Compound #26: vinyl acetate





Original Peak Response = 439 Manual Peak Response = 1870 M3

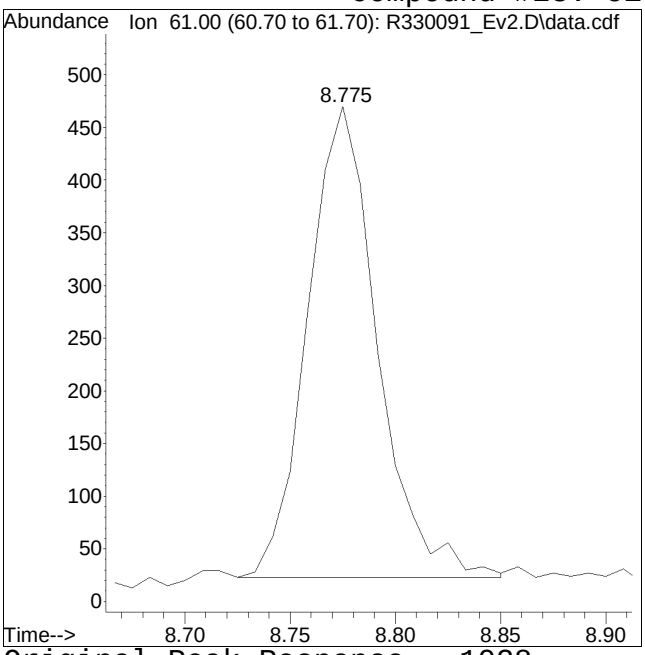
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

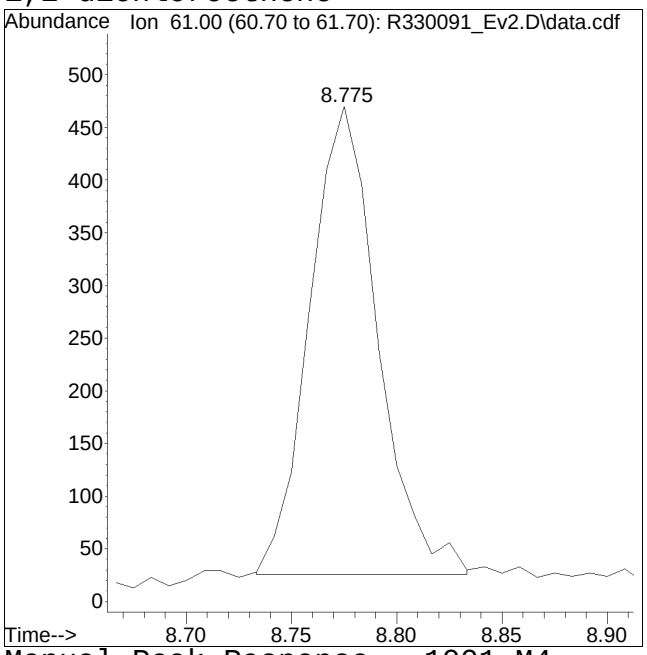
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330091_Ev2.D
Date Inj'd : 4/1/2020 0:8: 4
Sample : ITO15-SIMSTD0.05

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:30 pm

Compound #28: cis-1,2-dichloroethene



Original Peak Response = 1028



Manual Peak Response = 1001 M4

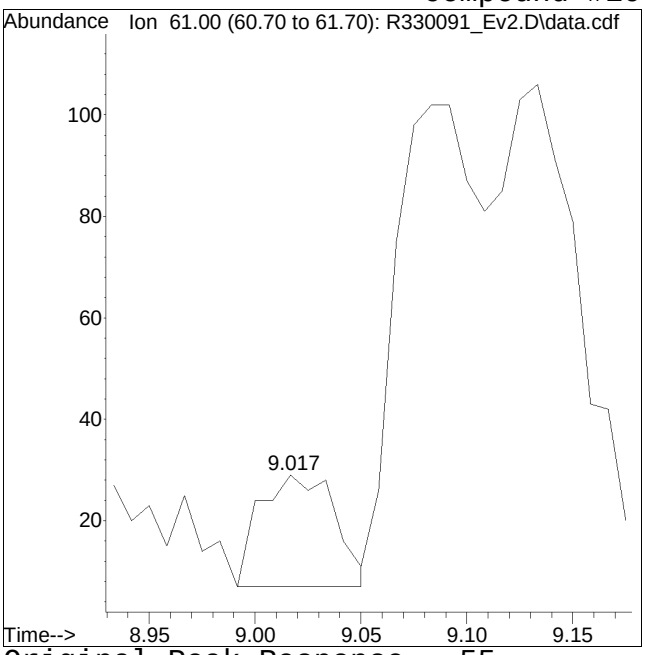
M4 = Poor automated baseline construction.

Manual Integration Report

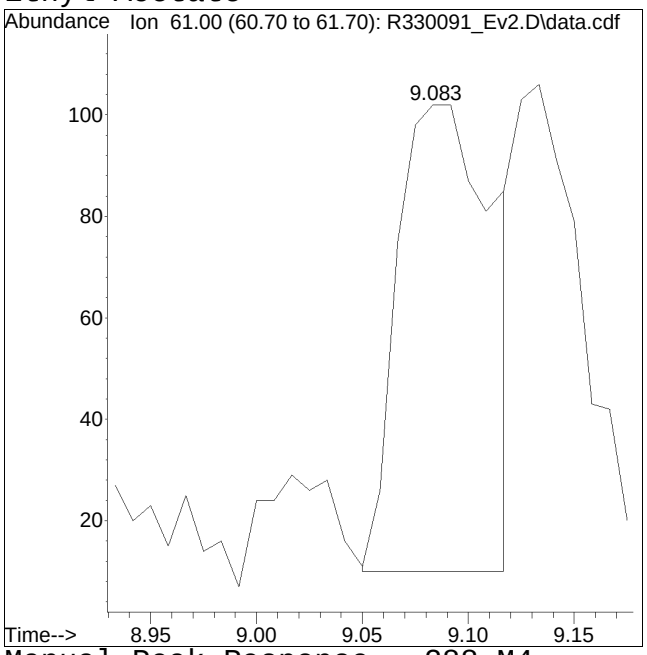
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330091_Ev2.D
Date Inj'd : 4/1/2020 0:8: 4
Sample : ITO15-SIMSTD0.05

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:30 pm

Compound #29: Ethyl Acetate



Original Peak Response = 55



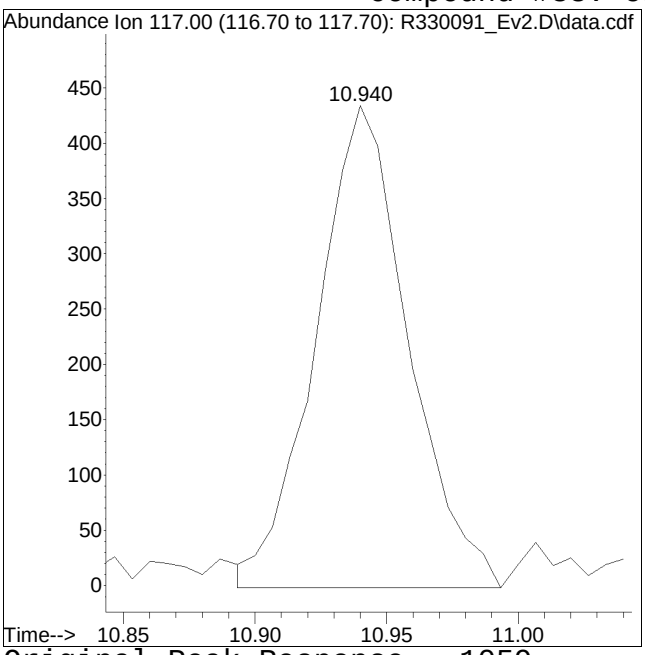
Manual Peak Response = 288 M4

M4 = Poor automated baseline construction.

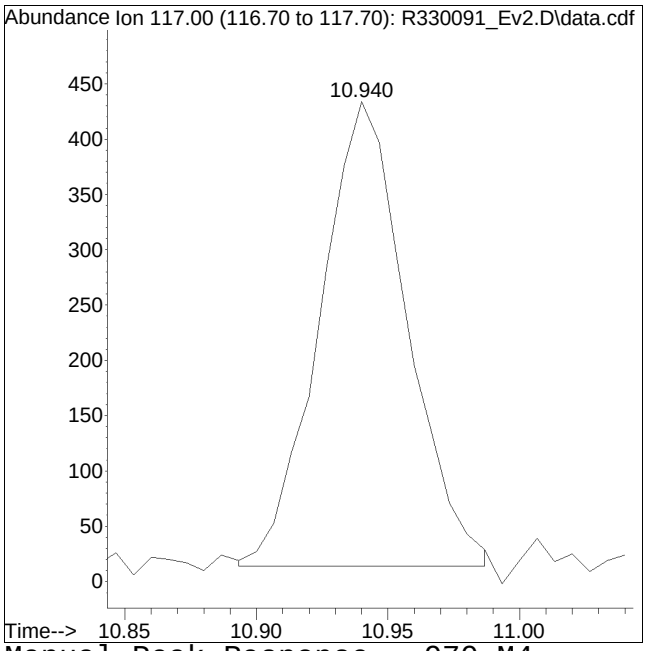
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330091_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:8: 4 Instrument :
Sample : ITO15-SIMSTD0.05 Quant Date : 4/2/2024 2:30 pm

Compound #38: carbon tetrachloride



Original Peak Response = 1059



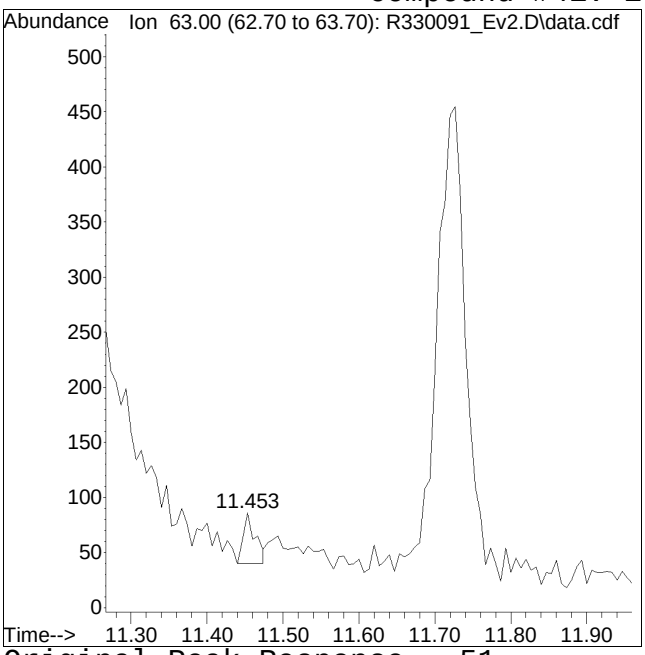
Manual Peak Response = 970 M4

M4 = Poor automated baseline construction.

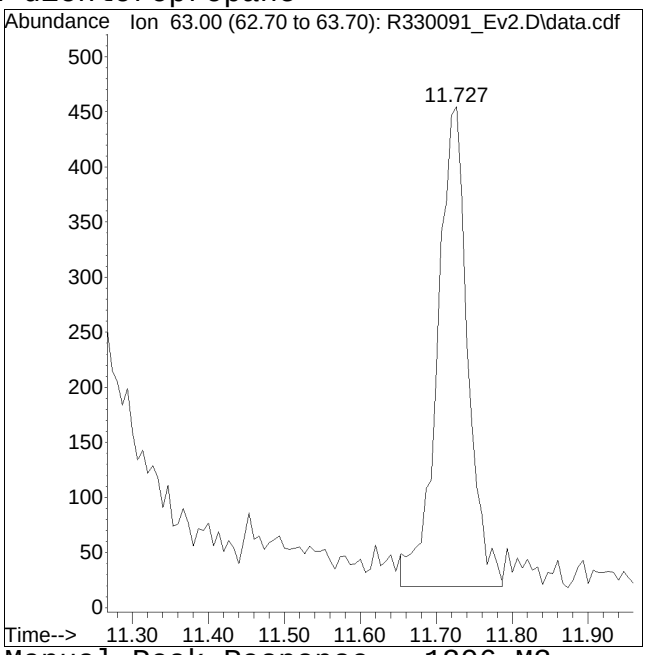
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330091_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:8: 4 Instrument :
Sample : ITO15-SIMSTD0.05 Quant Date : 4/2/2024 2:30 pm

Compound #41: 1,2-dichloropropane



Original Peak Response = 51



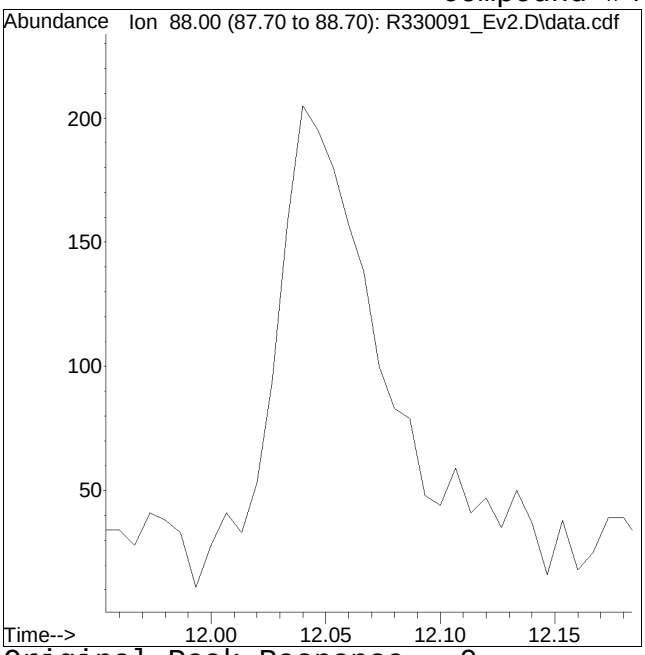
Manual Peak Response = 1206 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

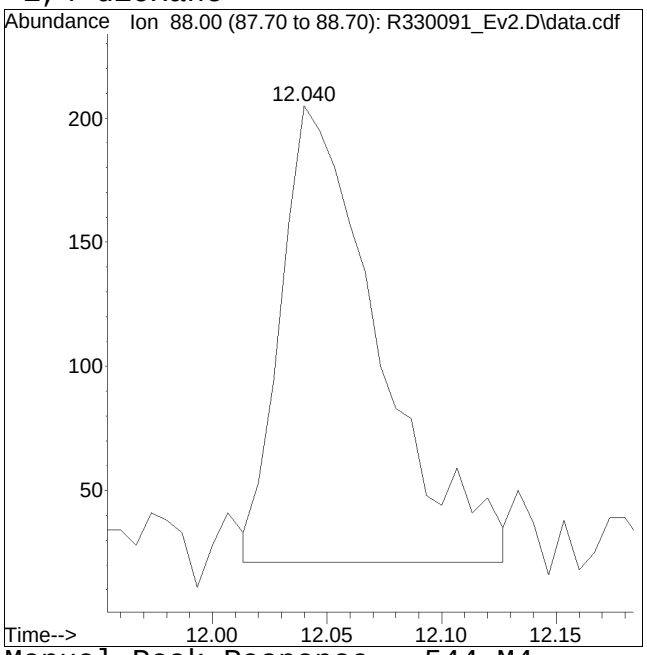
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330091_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:8: 4 Instrument :
Sample : ITO15-SIMSTD0.05 Quant Date : 4/2/2024 2:30 pm

Compound #43: 1,4-dioxane



Original Peak Response = 0



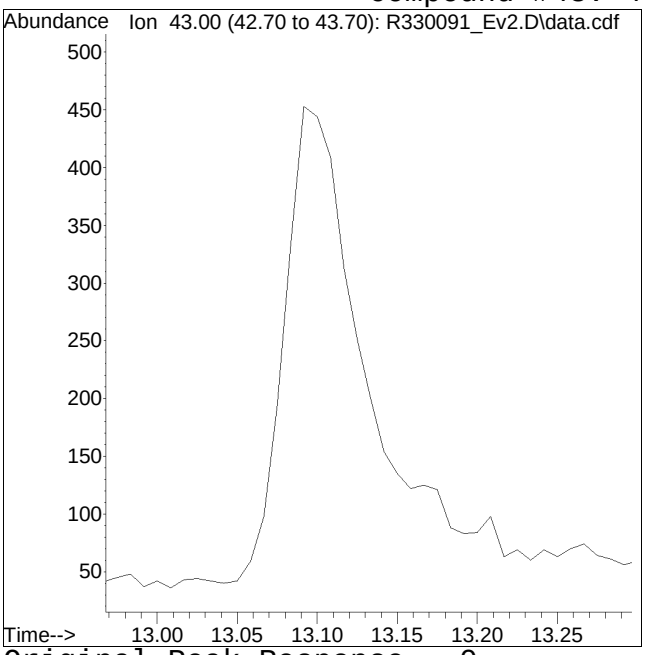
Manual Peak Response = 544 M4

M4 = Poor automated baseline construction.

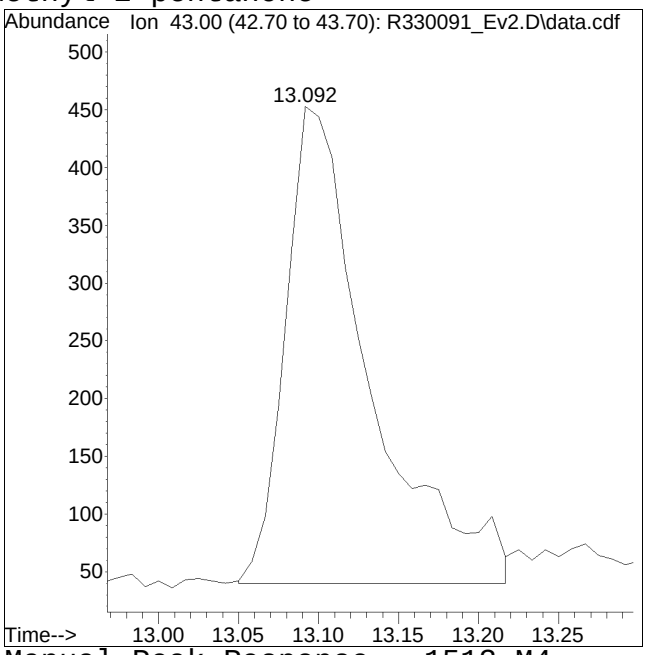
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330091_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:8: 4 Instrument :
Sample : ITO15-SIMSTD0.05 Quant Date : 4/2/2024 2:30 pm

Compound #48: 4-methyl-2-pentanone



Original Peak Response = 0



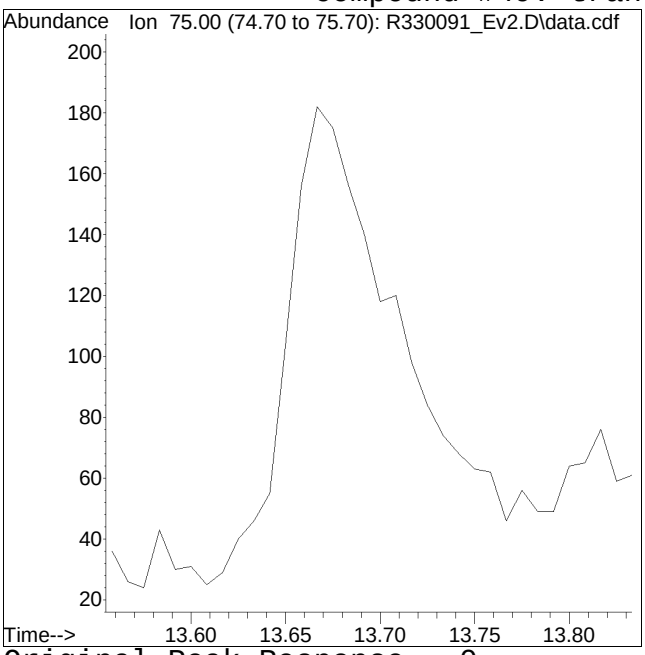
Manual Peak Response = 1513 M4

M4 = Poor automated baseline construction.

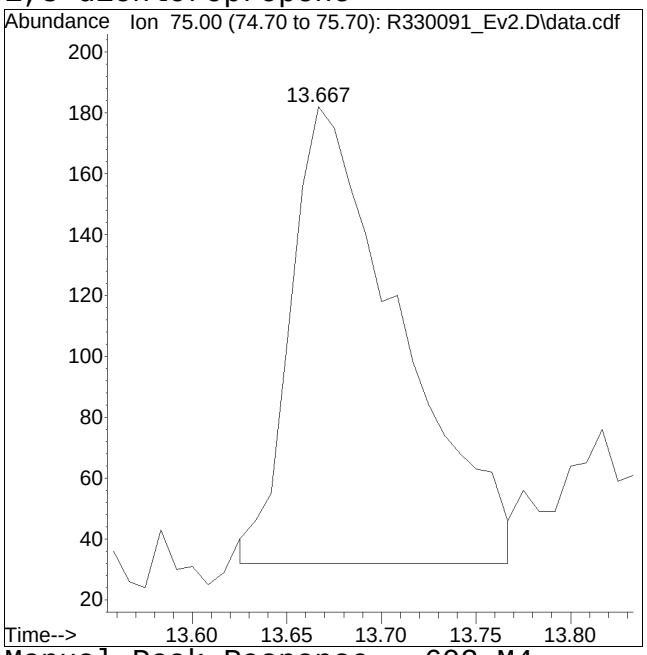
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330091_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:8: 4 Instrument :
Sample : ITO15-SIMSTD0.05 Quant Date : 4/2/2024 2:30 pm

Compound #49: trans-1,3-dichloropropene



Original Peak Response = 0



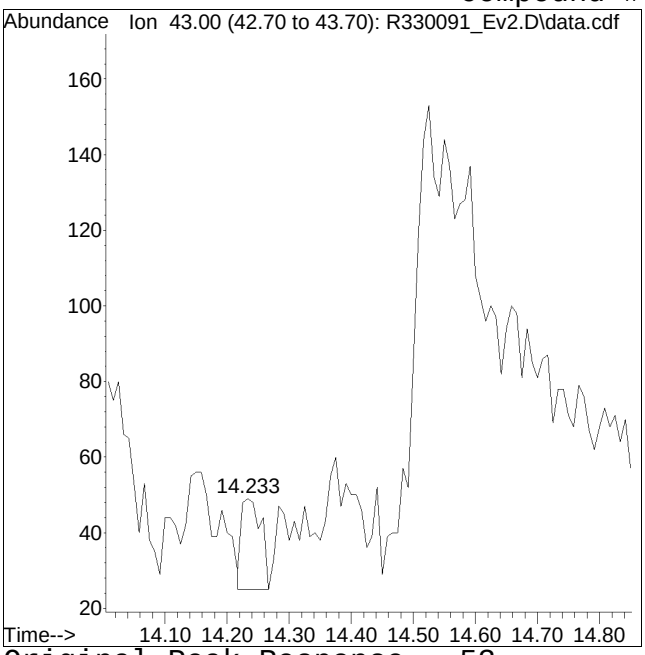
Manual Peak Response = 602 M4

M4 = Poor automated baseline construction.

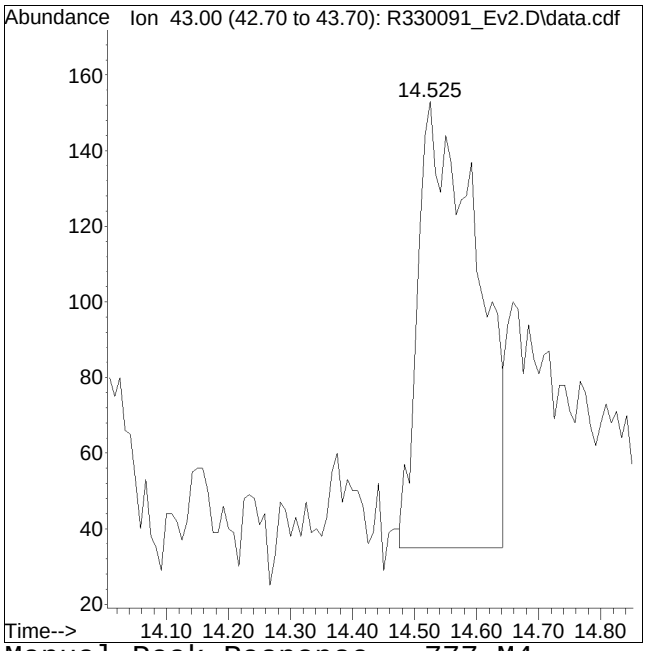
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330091_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:8: 4 Instrument :
Sample : ITO15-SIMSTD0.05 Quant Date : 4/2/2024 2:30 pm

Compound #54: 2-hexanone



Original Peak Response = 53



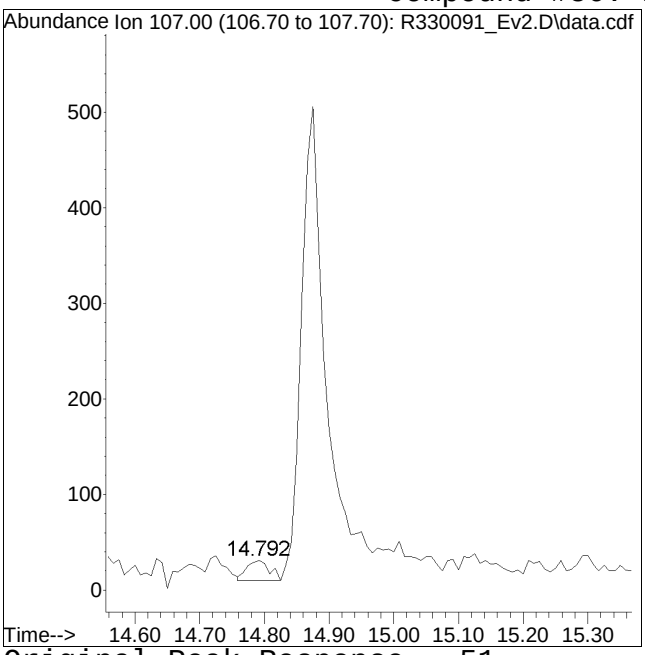
Manual Peak Response = 777 M4

M4 = Poor automated baseline construction.

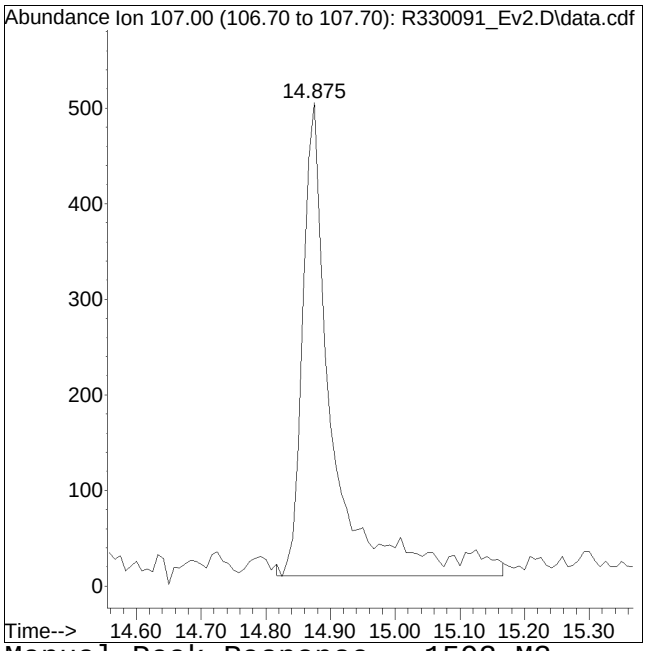
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330091_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:8: 4 Instrument :
Sample : ITO15-SIMSTD0.05 Quant Date : 4/2/2024 2:30 pm

Compound #56: 1,2-dibromoethane



Original Peak Response = 51



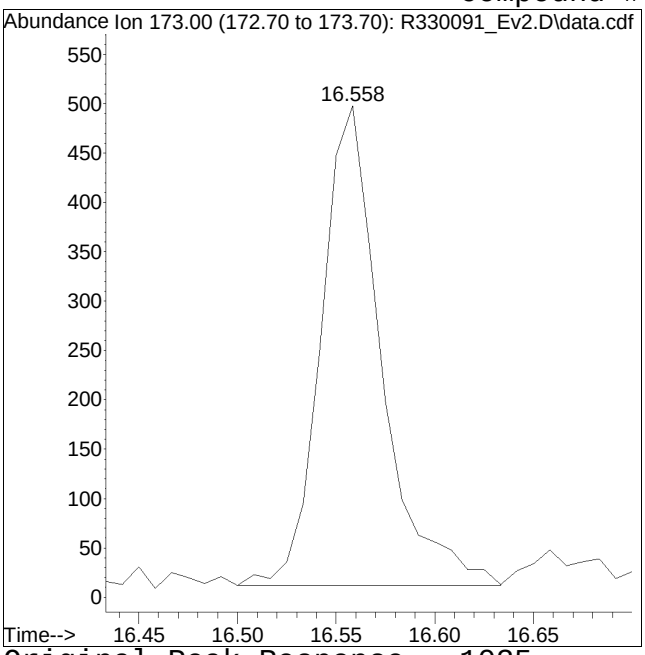
Manual Peak Response = 1593 M2

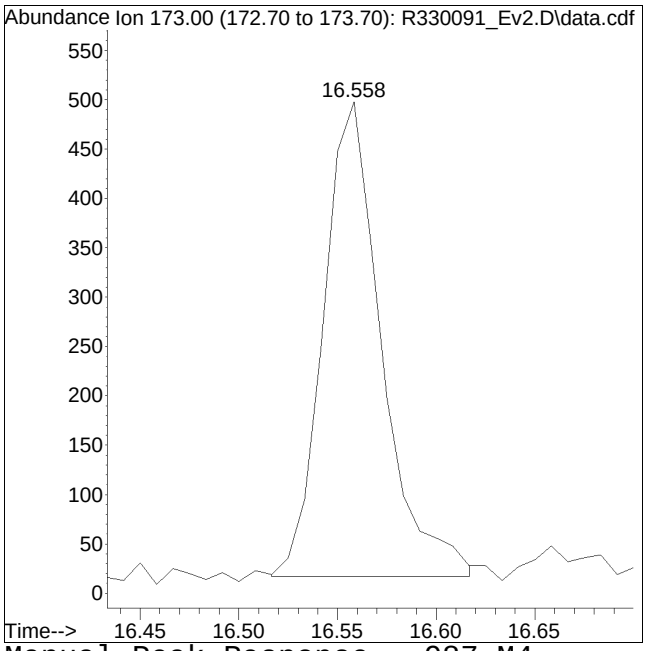
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330091_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:8: 4 Instrument :
Sample : ITO15-SIMSTD0.05 Quant Date : 4/2/2024 2:30 pm

Compound #62: bromoform



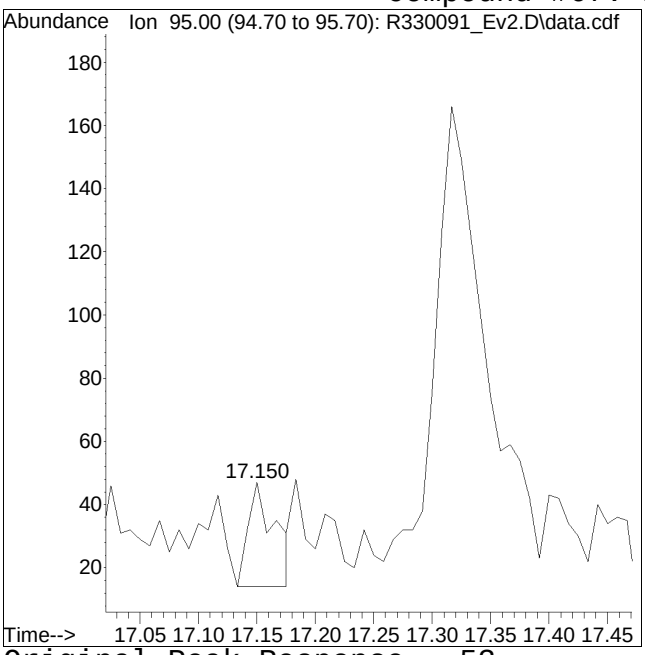


Original Peak Response = 1035 Manual Peak Response = 987 M4
M4 = Poor automated baseline construction.

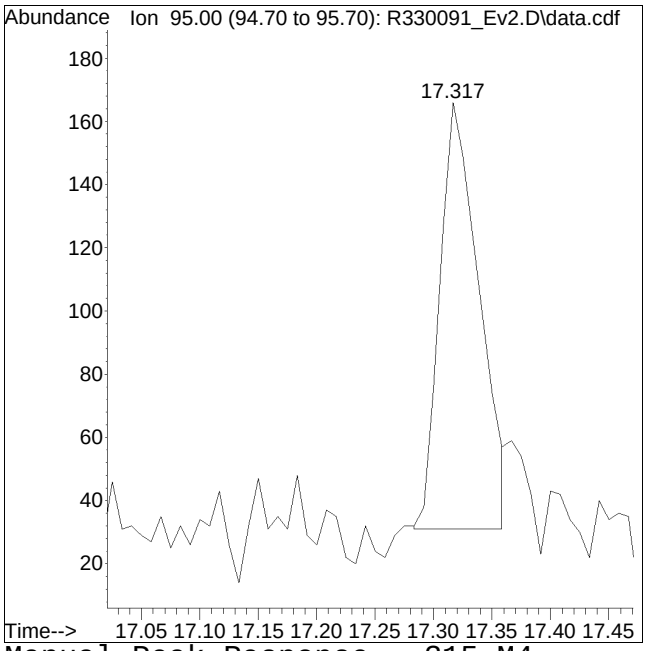
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330091_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:8: 4 Instrument :
Sample : ITO15-SIMSTD0.05 Quant Date : 4/2/2024 2:30 pm

Compound #67: bromofluorobenzene



Original Peak Response = 53



Manual Peak Response = 315 M4

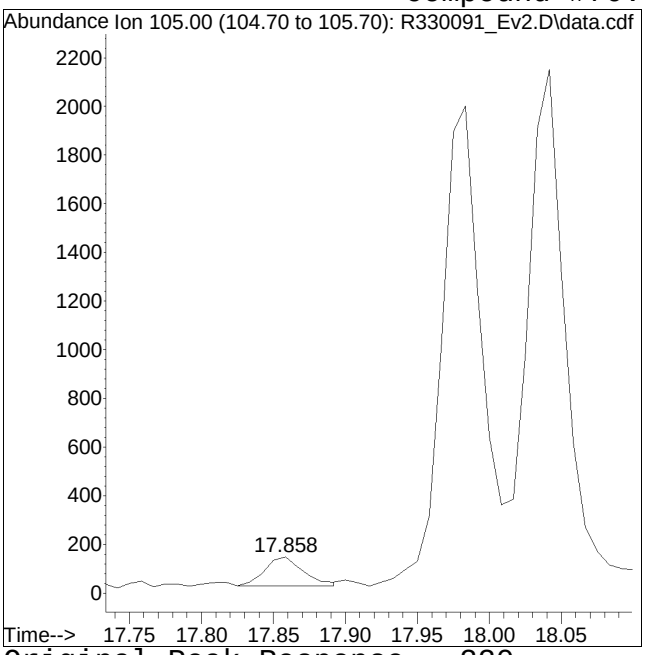
M4 = Poor automated baseline construction.

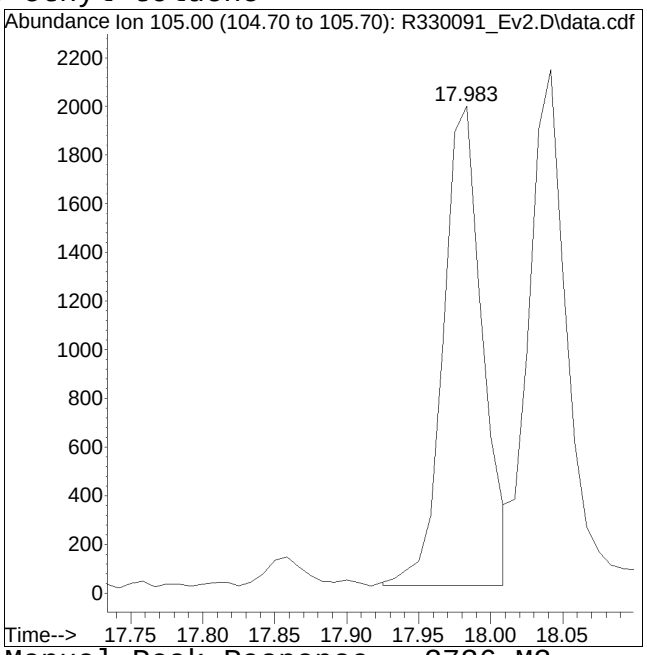
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330091_Ev2.D
Date Inj'd : 4/1/2020 0:8: 4
Sample : ITO15-SIMSTD0.05

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:30 pm

Compound #70: 4-ethyl toluene





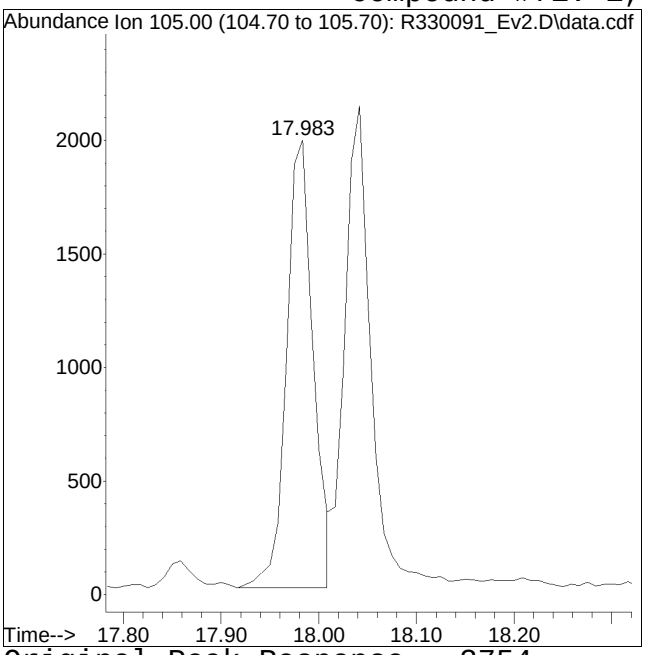
Original Peak Response = 220 Manual Peak Response = 3736 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

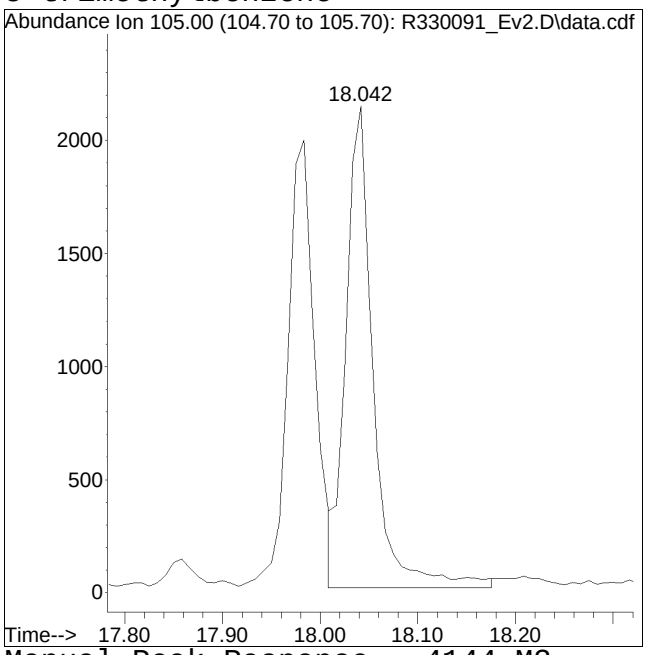
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330091_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:8: 4 Instrument :
Sample : ITO15-SIMSTD0.05 Quant Date : 4/2/2024 2:30 pm

Compound #71: 1,3,5-trimethylbenzene



Original Peak Response = 3754



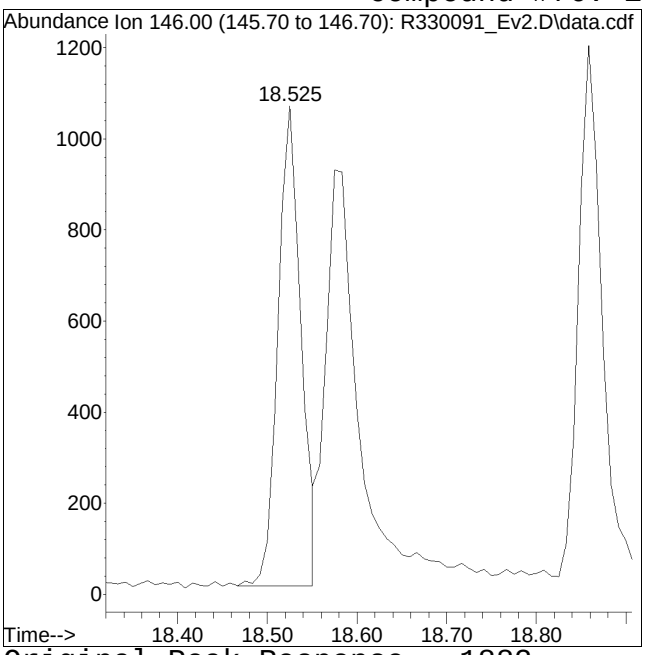
Manual Peak Response = 4144 M3

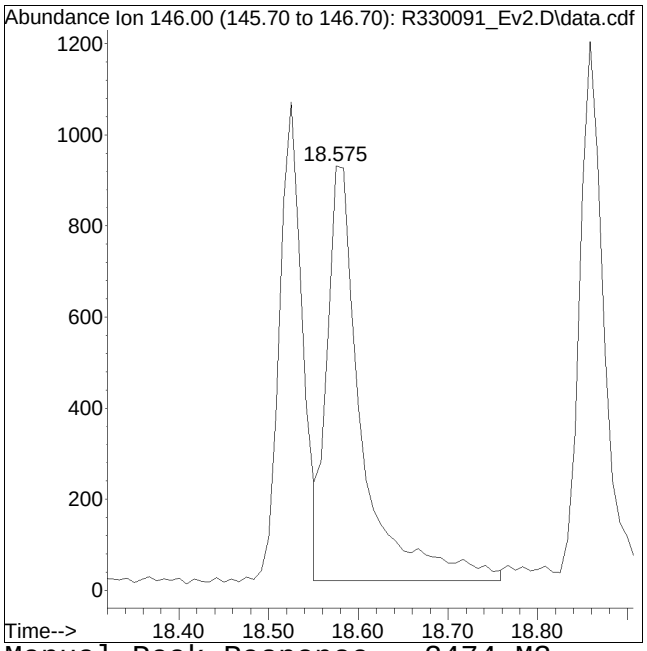
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330091_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:8: 4 Instrument :
Sample : ITO15-SIMSTD0.05 Quant Date : 4/2/2024 2:30 pm

Compound #76: 1,4-dichlorobenzene





Original Peak Response = 1882 Manual Peak Response = 2474 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330092_Ev2.D
Acq On : 1 Apr 2024 8:54 PM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.1
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:30:54 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.950	49	193771	10.000	ppbV	0.13
33) 1,4-difluorobenzene	11.187	114	683808	10.000	ppbV	0.13
51) chlorobenzene-D5	15.917	54	81479	10.000	ppbV	0.11
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	0.000	65	0	0.000	ppbV	
Spiked Amount 10.000	Range 70 - 130		Recovery =	0.00%#		
53) toluene-D8	14.050	98	1131	0.021	ppbV	0.14
Spiked Amount 10.000	Range 70 - 130		Recovery =	0.21%#		
67) bromofluorobenzene	17.317	95	389M4	0.010	ppbV	0.12
Spiked Amount 10.000	Range 70 - 130		Recovery =	0.10%#		
Target Compounds						Qvalue
2) propylene	3.810	41	2295M6	0.123	ppbV	
3) dichlorodifluoromethane	3.882	85	2415M2	0.089	ppbV	
4) chloromethane	4.044	50	1263	0.094	ppbV	95
5) Freon-114	4.146	85	2852	0.087	ppbV	99
6) vinyl chloride	4.266	62	1260	0.083	ppbV	98
7) 1,3-butadiene	4.410	54	932	0.081	ppbV	95
8) bromomethane	4.686	94	979	0.087	ppbV	100
9) chloroethane	4.872	64	627	0.081	ppbV	91
10) ethanol	5.016	31	4703	0.523	ppbV	97
11) vinyl bromide	5.250	106	1016	0.932	ppbV	94
12) acrolein	5.387	56	678	0.083	ppbV #	82
13) acetone	5.537	43	14021	0.542	ppbV #	99
14) trichlorofluoromethane	5.707	101	2431	0.088	ppbV	97
15) isopropyl alcohol	5.823	45	8577	0.262	ppbV	98
16) acrylonitrile	6.043	53	1279M1	0.092	ppbV	
17) 1,1-dichloroethene	6.400	61	2157	0.081	ppbV	98
18) tertiary butyl alcohol	6.502	59	2874M3	0.083	ppbV	
19) methylene chloride	6.544	49	2417	0.129	ppbV	99
20) 3-chloropropene	6.670	41	2395	0.079	ppbV	98
21) carbon disulfide	6.844	76	5221	0.084	ppbV #	77
22) Freon 113	6.844	101	2826	0.089	ppbV	100
23) trans-1,2-dichloroethene	7.592	61	2256M4	0.082	ppbV	
24) 1,1-dichloroethane	7.817	63	2922	0.082	ppbV	98
25) MTBE	7.917	73	4484	0.084	ppbV	98
26) vinyl acetate	8.017	43	3573	0.085	ppbV #	95
27) 2-butanone	8.300	43	3618	0.083	ppbV #	97

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330092_Ev2.D
Acq On : 1 Apr 2024 8:54 PM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.1
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:30:54 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) cis-1,2-dichloroethene	8.767	61	2031	0.079	ppbV		97
29) Ethyl Acetate	9.075	61	459	0.065	ppbV	#	38
30) chloroform	9.108	83	2610	0.087	ppbV		98
31) Tetrahydrofuran	9.600	42	2434	0.086	ppbV		100
32) 1,2-dichloroethane	9.950	62	1553	0.080	ppbV		93
34) hexane	9.017	57	2781	0.085	ppbV	#	45
36) 1,1,1-trichloroethane	10.233	97	2186	0.084	ppbV	#	96
37) benzene	10.760	78	6915	0.096	ppbV		100
38) carbon tetrachloride	10.940	117	1990	0.083	ppbV		94
39) cyclohexane	11.080	56	2823	0.082	ppbV		95
40) Dibromomethane	11.687	93	1465	0.085	ppbV	#	53
41) 1,2-dichloropropane	11.713	63	2102	0.080	ppbV		98
42) bromodichloromethane	11.947	83	2633	0.084	ppbV	#	98
43) 1,4-dioxane	12.027	88	1104M3	0.078	ppbV		
44) trichloroethene	12.000	130	1972	0.077	ppbV		98
45) 2,2,4-trimethylpentane	12.040	57	8832	0.084	ppbV		99
46) heptane	12.353	43	3901	0.084	ppbV		98
47) cis-1,3-dichloropropene	13.025	75	2540	0.069	ppbV		98
48) 4-methyl-2-pentanone	13.083	43	3531M4	0.066	ppbV		
49) trans-1,3-dichloropropene	13.658	75	1643M4	0.057	ppbV		
50) 1,1,2-trichloroethane	13.842	97	1874M4	0.078	ppbV		
52) toluene	14.158	91	5987	0.084	ppbV		99
54) 2-hexanone	14.492	43	2259M4	0.046	ppbV		
55) dibromochloromethane	14.608	129	2330	0.082	ppbV		96
56) 1,2-dibromoethane	14.867	107	2631	0.074	ppbV		99
57) tetrachloroethene	15.317	166	2780	0.087	ppbV		97
58) 1,1,1,2-tetrachloroethane	15.950	131	1919	0.084	ppbV		99
59) chlorobenzene	15.967	112	5303	0.086	ppbV		96
60) ethylbenzene	16.317	91	7460	0.083	ppbV		99
61) m+p-xylene	16.483	91	11780	0.163	ppbV		99
62) bromoform	16.550	173	1895	0.067	ppbV		99
63) styrene	16.817	104	4399	0.066	ppbV		99
64) 1,1,2,2-tetrachloroethane	16.908	83	4101	0.078	ppbV		97
65) o-xylene	16.900	91	6197	0.085	ppbV		100
66) 1,2,3-Trichloropropane	17.025	75	3569	0.080	ppbV		97
68) isopropylbenzene	17.417	105	8706	0.086	ppbV		99
69) Bromobenzene	17.500	77	4519	0.078	ppbV		92
70) 4-ethyl toluene	17.975	105	8289M4	0.076	ppbV		
71) 1,3,5-trimethylbenzene	18.033	105	7856M3	0.083	ppbV		
72) tert-butylbenzene	18.375	119	8031	0.086	ppbV		99
73) 1,2,4-trimethylbenzene	18.383	105	7639	0.082	ppbV		96

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330092_Ev2.D
Acq On : 1 Apr 2024 8:54 PM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.1
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:30:54 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

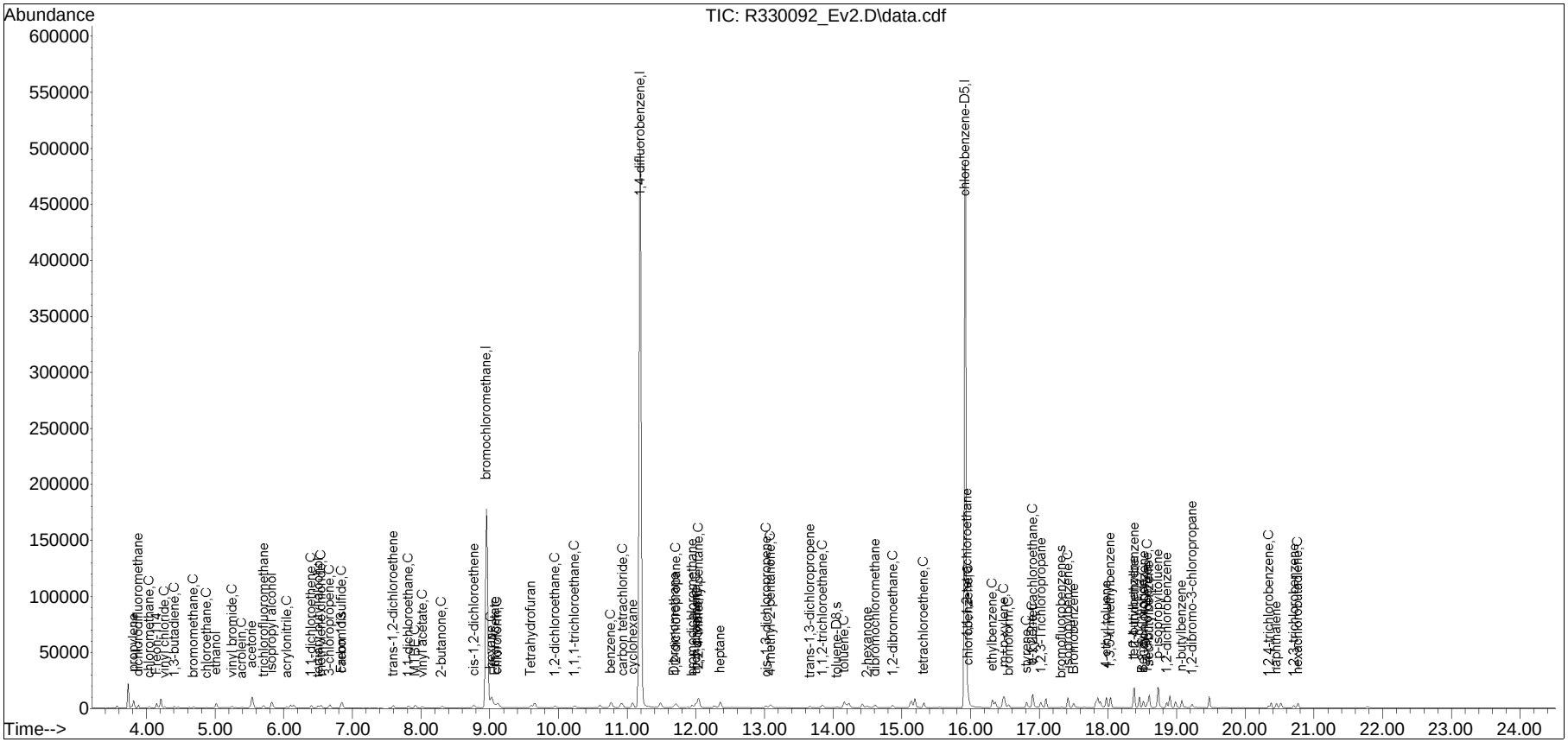
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Benzyl Chloride	18.508	91	2875	0.050	ppbV	98
75) 1,3-dichlorobenzene	18.517	146	4442	0.073	ppbV	92
76) 1,4-dichlorobenzene	18.575	146	4715M3	0.076	ppbV	
77) sec-butylbenzene	18.600	105	11106	0.085	ppbV	99
78) p-isopropyltoluene	18.725	119	9568	0.087	ppbV	97
79) 1,2-dichlorobenzene	18.858	146	4512	0.078	ppbV	93
80) n-butylbenzene	19.075	91	7097	0.075	ppbV	100
81) 1,2-dibromo-3-chloropr...	19.225	75	1830	0.074	ppbV	94
82) 1,2,4-trichlorobenzene	20.342	180	3007	0.057	ppbV	99
83) naphthalene	20.450	128	7539	0.066	ppbV	97
84) 1,2,3-trichlorobenzene	20.708	180	3085	0.068	ppbV	99
85) hexachlorobutadiene	20.767	225	3863	0.079	ppbV	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-ICV-AP2 - All compounds listedd)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330092_Ev2.D
Acq On : 1 Apr 2024 8:54 PM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.1
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:30:54 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

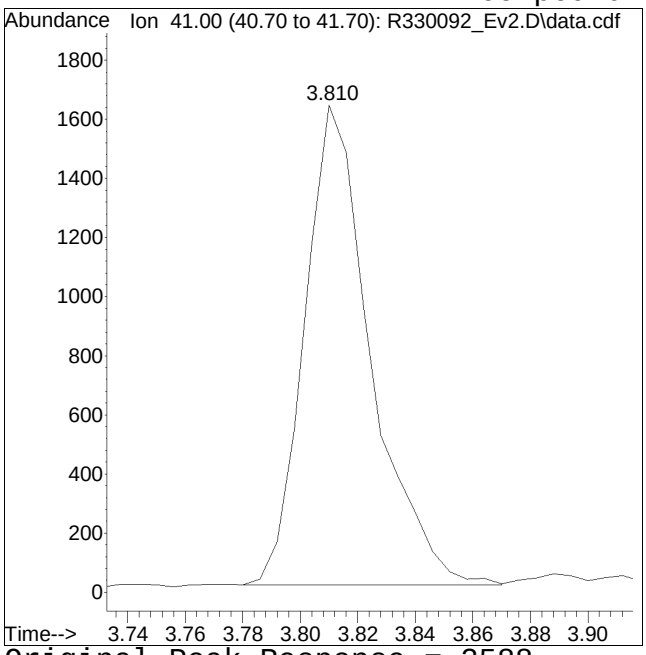


Manual Integration Report

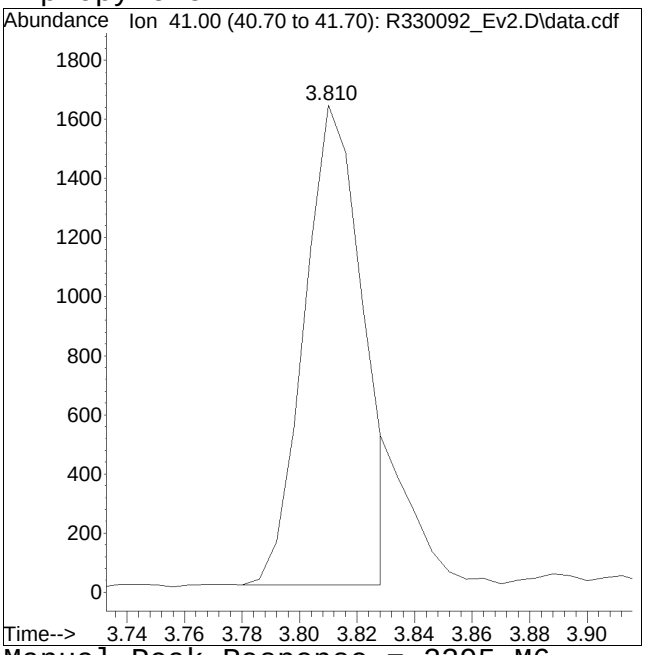
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330092_Ev2.D
Date Inj'd : 4/1/2020 0:8: 4
Sample : ITO15-SIMSTD0.1

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:30 pm

Compound #2: propylene



Original Peak Response = 2588



Manual Peak Response = 2295 M6

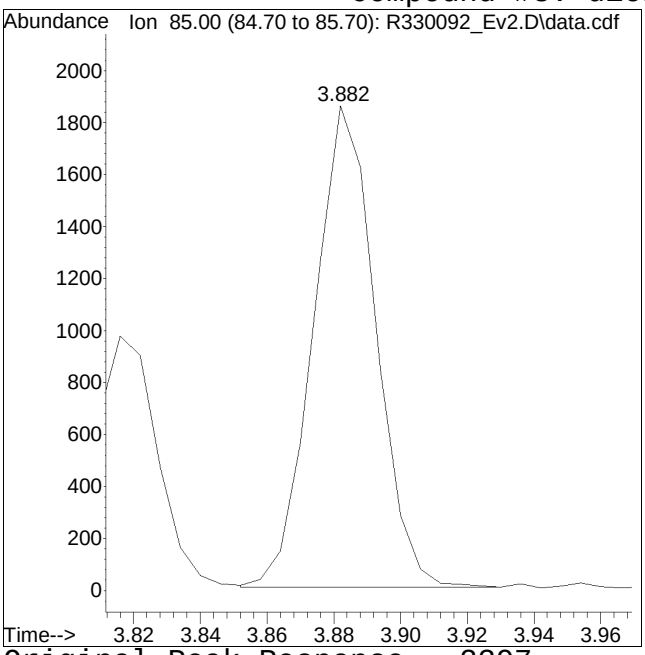
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

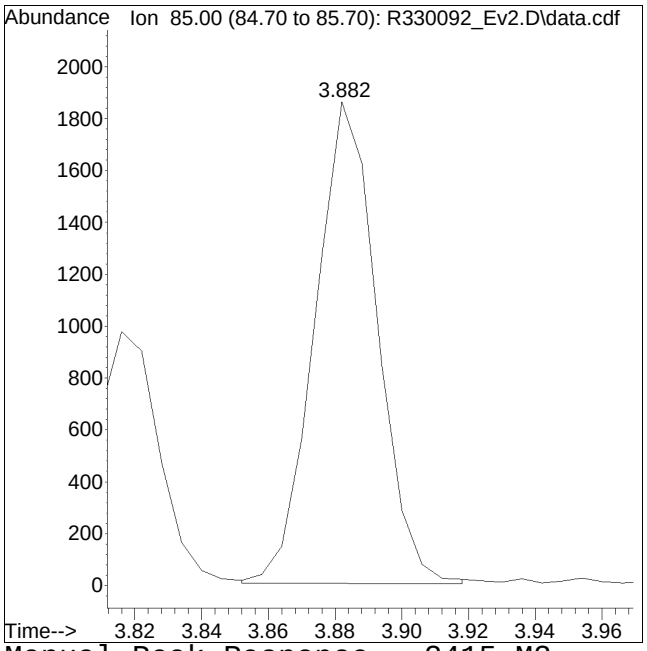
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330092_Ev2.D
Date Inj'd : 4/1/2020 0:8: 4
Sample : ITO15-SIMSTD0.1

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:30 pm

Compound #3: dichlorodifluoromethane





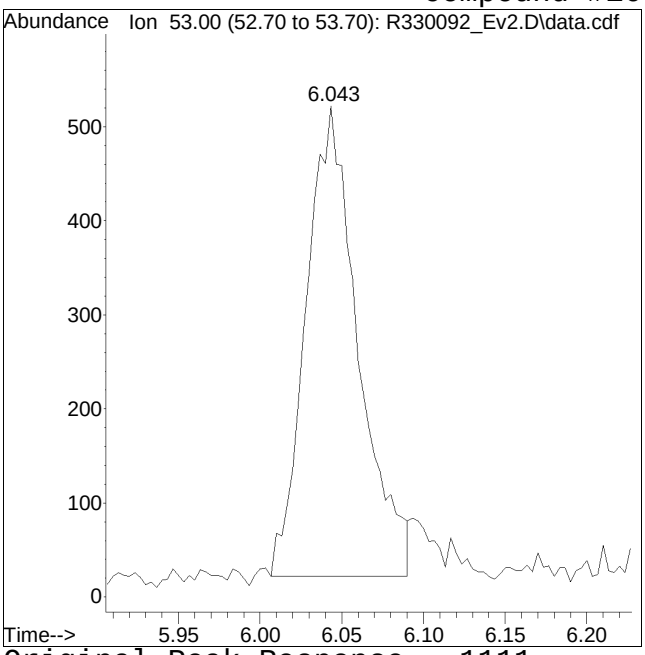
Original Peak Response = 2397 Manual Peak Response = 2415 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

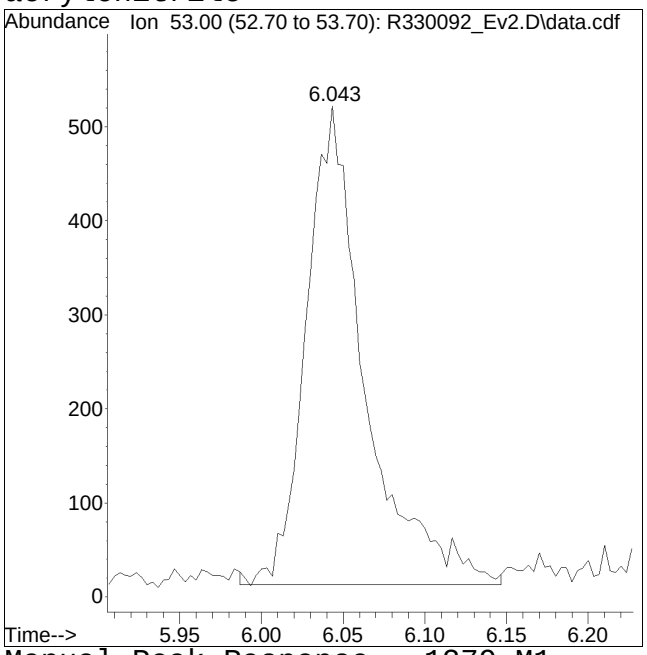
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330092_Ev2.D
Date Inj'd : 4/1/2020 0:8: 4
Sample : ITO15-SIMSTD0.1

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:30 pm

Compound #16: acrylonitrile



Original Peak Response = 1111



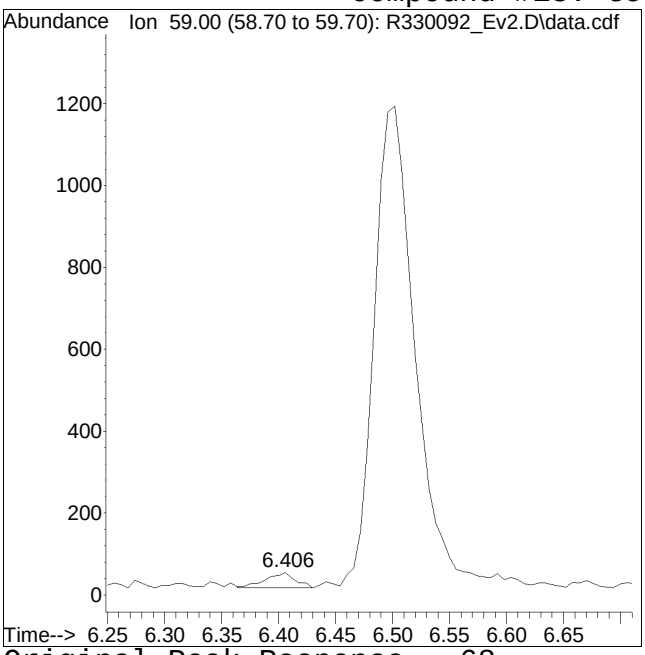
Manual Peak Response = 1279 M1

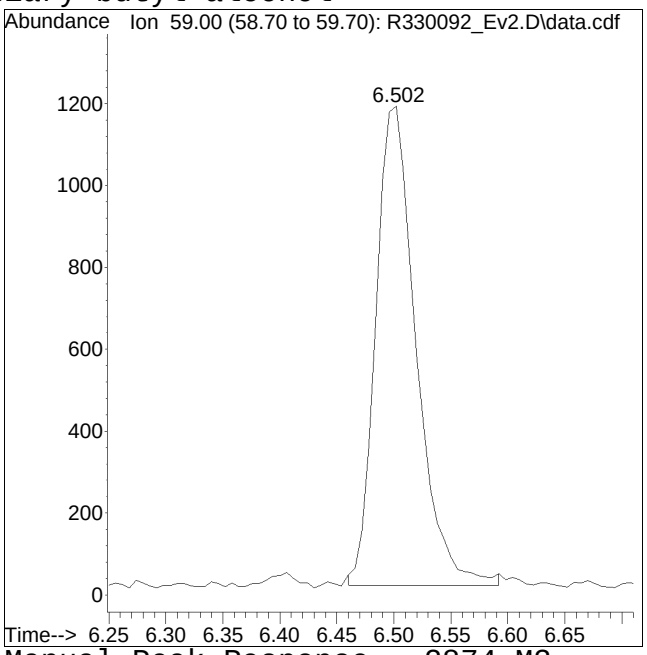
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330092_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:8: 4 Instrument :
Sample : ITO15-SIMSTD0.1 Quant Date : 4/2/2024 2:30 pm

Compound #18: tertiary butyl alcohol



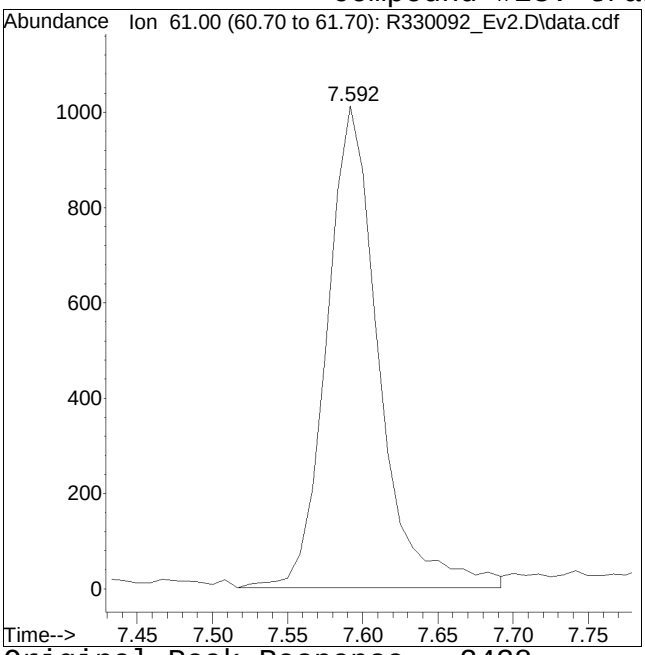


Original Peak Response = 68 Manual Peak Response = 2874 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

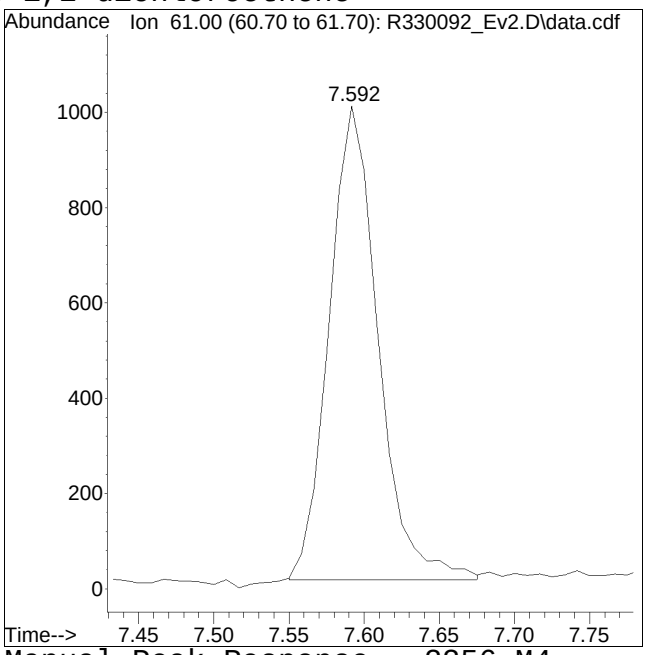
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330092_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:8: 4 Instrument :
Sample : ITO15-SIMSTD0.1 Quant Date : 4/2/2024 2:30 pm

Compound #23: trans-1,2-dichloroethene



Original Peak Response = 2438



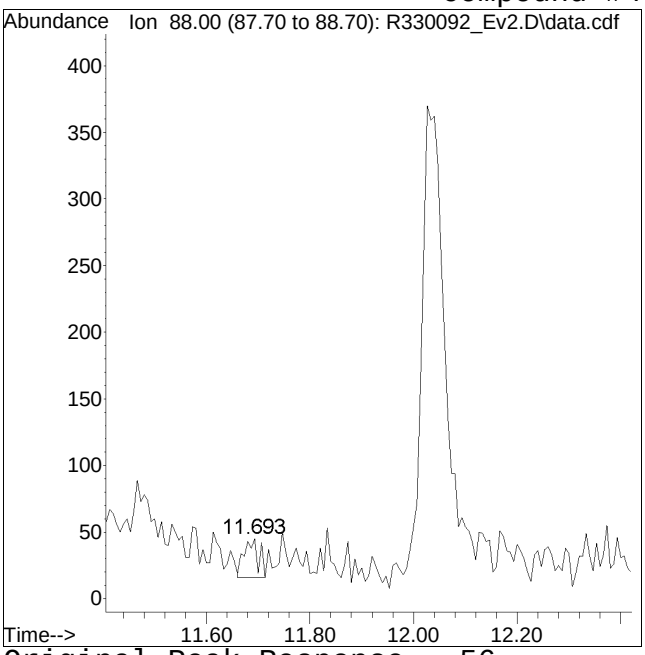
Manual Peak Response = 2256 M4

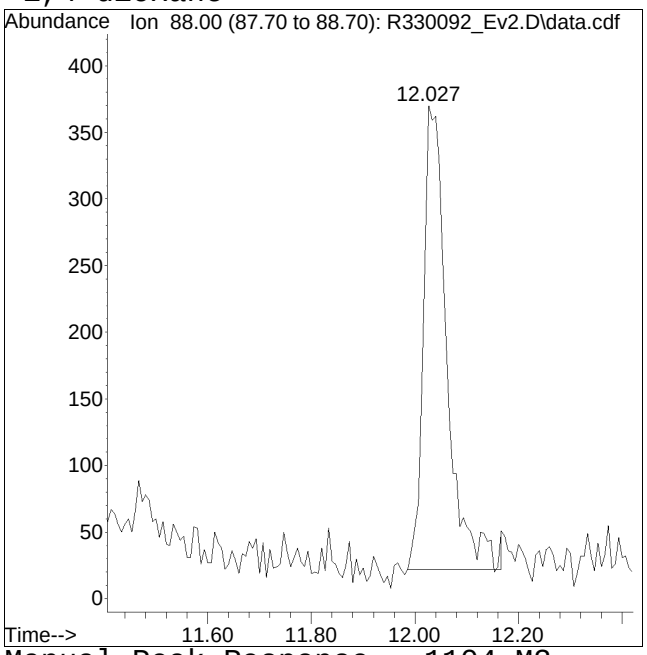
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330092_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:8: 4 Instrument :
Sample : ITO15-SIMSTD0.1 Quant Date : 4/2/2024 2:30 pm

Compound #43: 1,4-dioxane





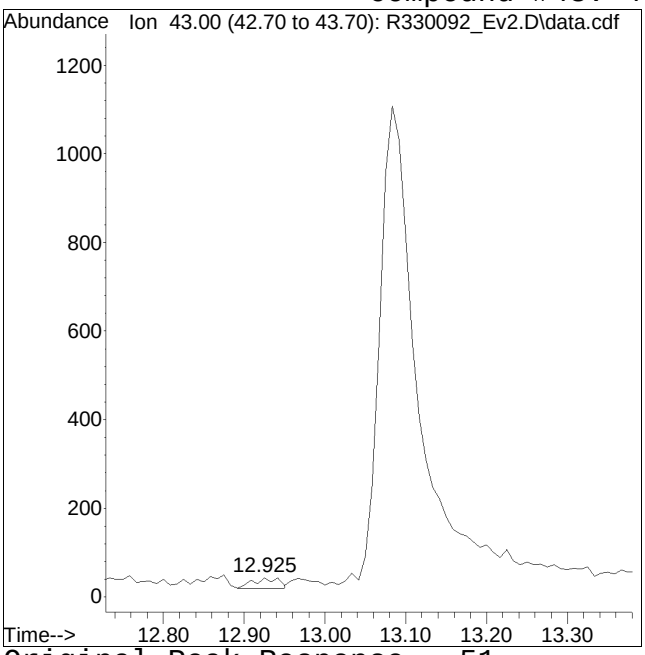
Original Peak Response = 56 Manual Peak Response = 1104 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

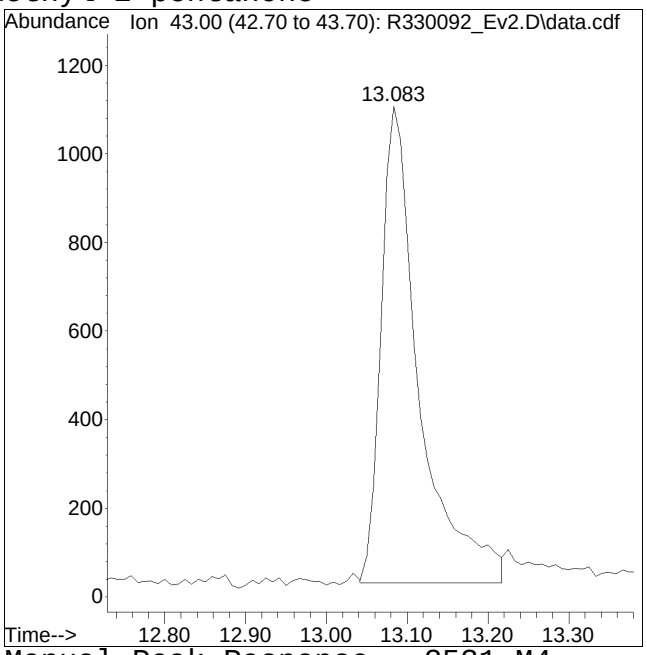
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330092_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:8: 4 Instrument :
Sample : ITO15-SIMSTD0.1 Quant Date : 4/2/2024 2:30 pm

Compound #48: 4-methyl-2-pentanone



Original Peak Response = 51



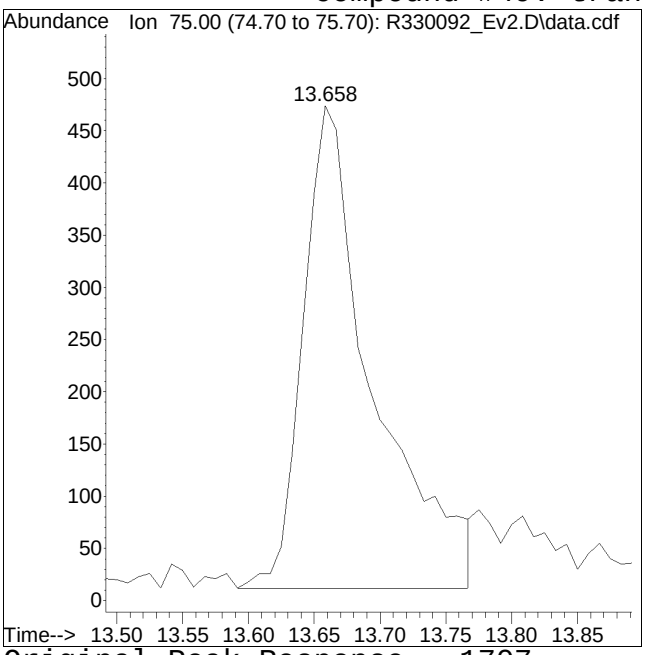
Manual Peak Response = 3531 M4

M4 = Poor automated baseline construction.

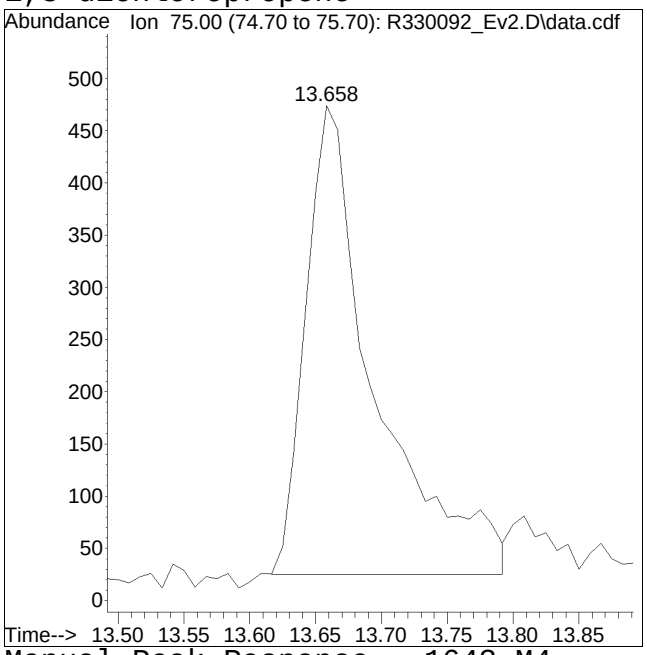
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330092_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:8: 4 Instrument :
Sample : ITO15-SIMSTD0.1 Quant Date : 4/2/2024 2:30 pm

Compound #49: trans-1,3-dichloropropene



Original Peak Response = 1707



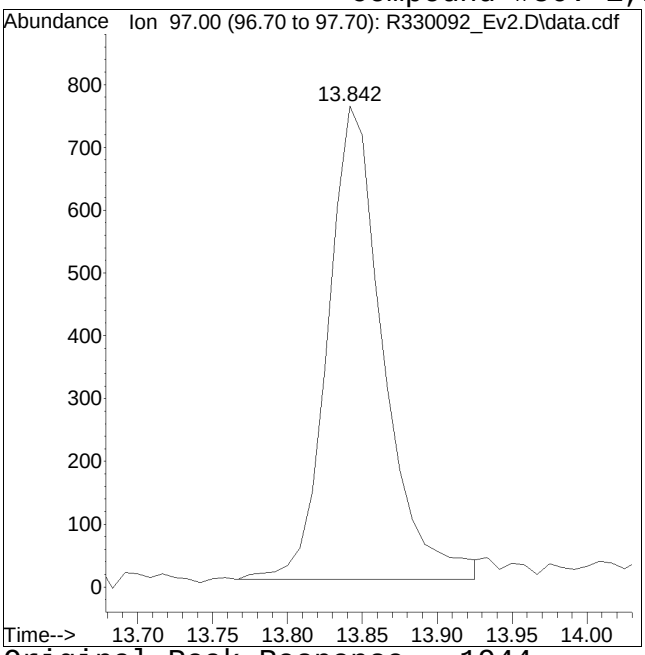
Manual Peak Response = 1643 M4

M4 = Poor automated baseline construction.

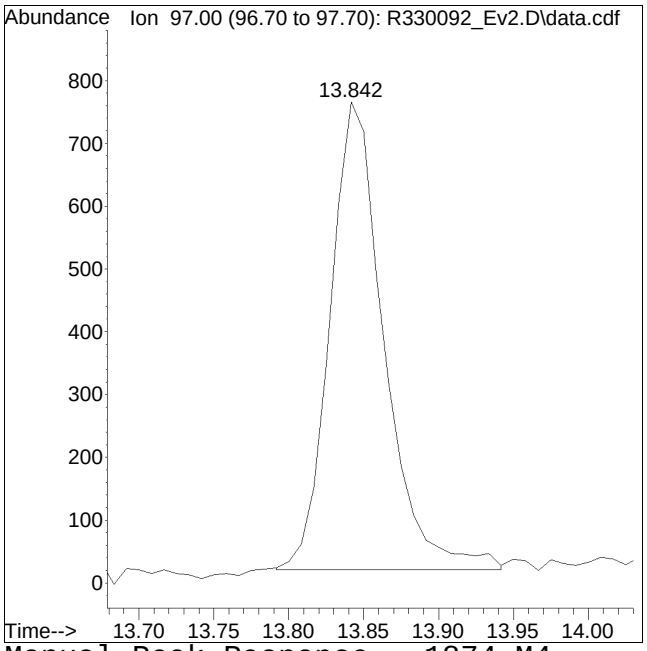
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330092_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:8: 4 Instrument :
Sample : ITO15-SIMSTD0.1 Quant Date : 4/2/2024 2:30 pm

Compound #50: 1,1,2-trichloroethane



Original Peak Response = 1944



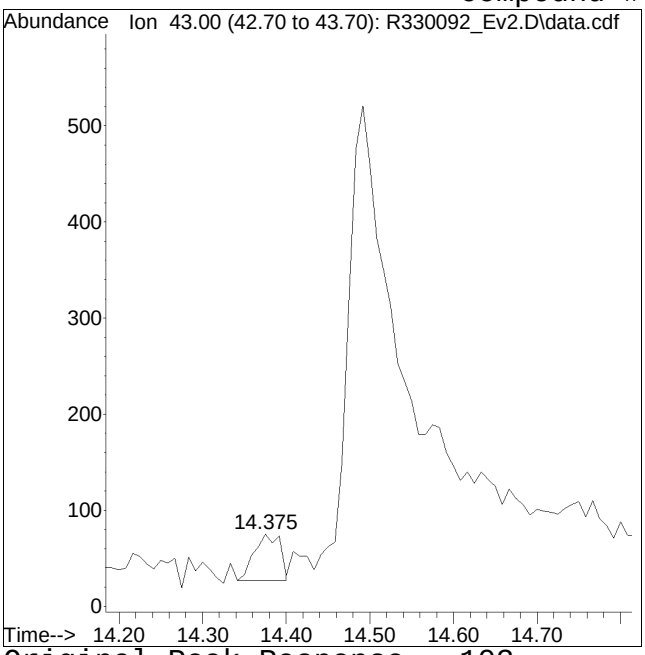
Manual Peak Response = 1874 M4

M4 = Poor automated baseline construction.

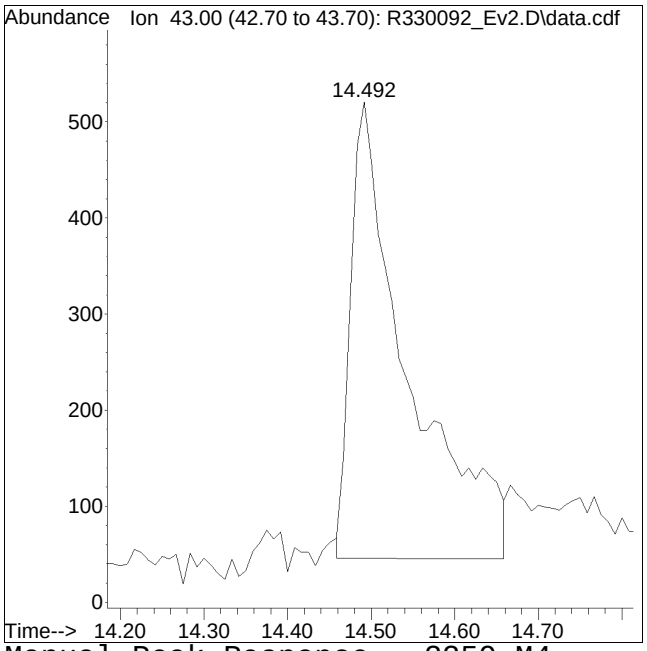
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330092_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:8: 4 Instrument :
Sample : ITO15-SIMSTD0.1 Quant Date : 4/2/2024 2:30 pm

Compound #54: 2-hexanone



Original Peak Response = 103



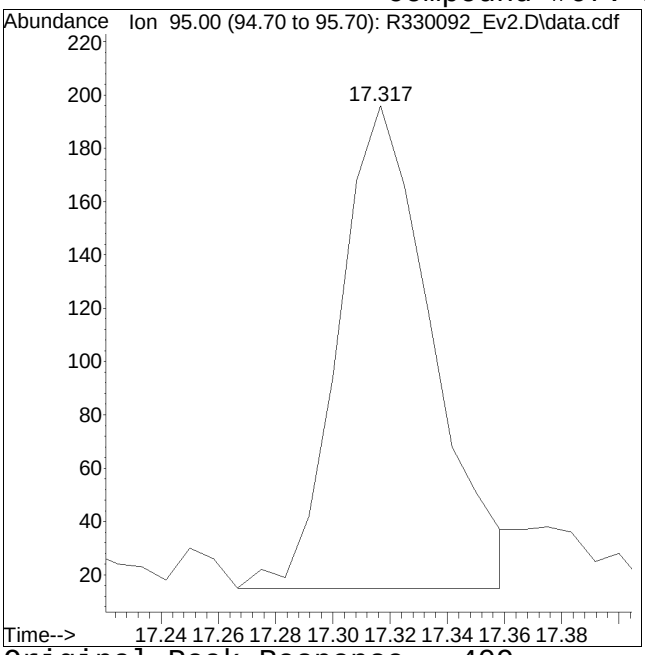
Manual Peak Response = 2259 M4

M4 = Poor automated baseline construction.

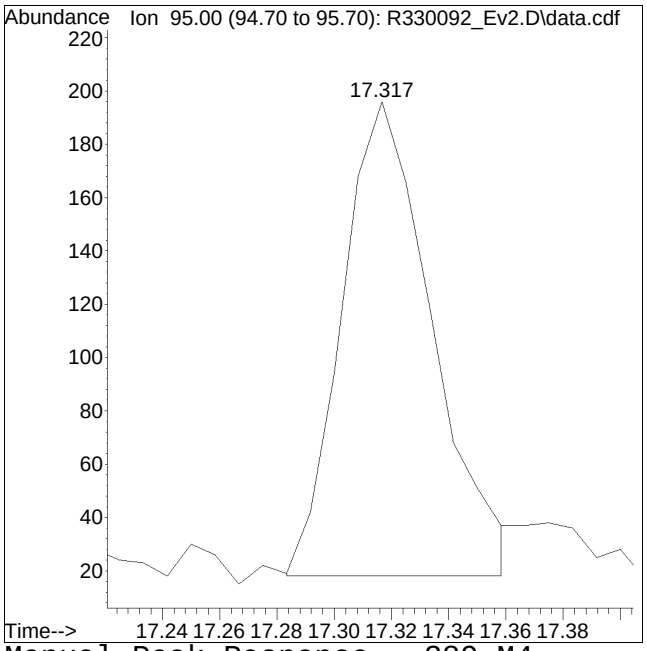
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330092_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:8: 4 Instrument :
Sample : ITO15-SIMSTD0.1 Quant Date : 4/2/2024 2:30 pm

Compound #67: bromofluorobenzene



Original Peak Response = 409



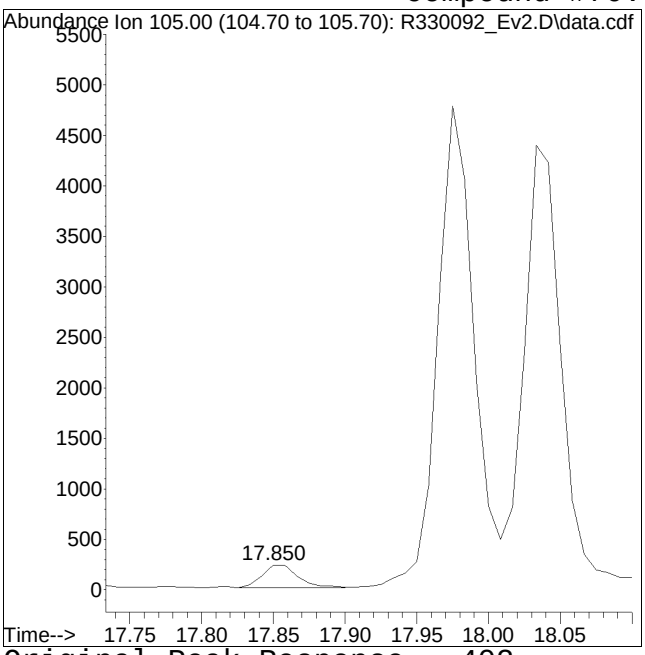
Manual Peak Response = 389 M4

M4 = Poor automated baseline construction.

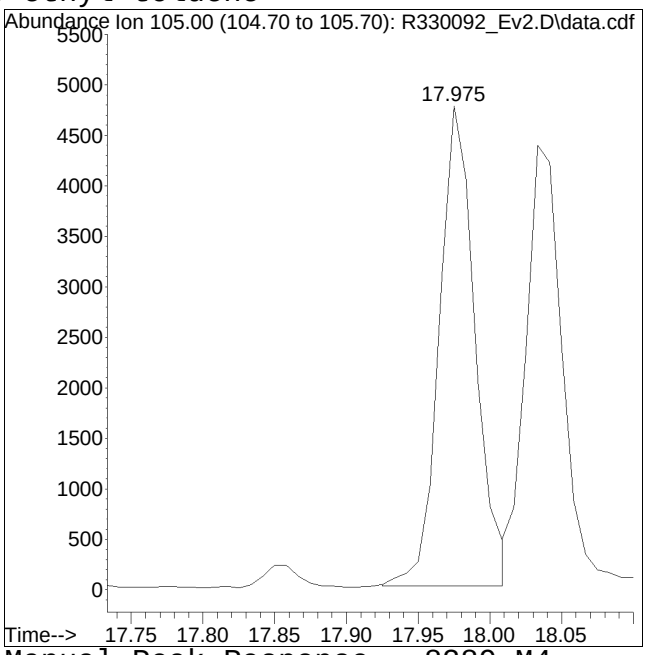
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330092_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:8: 4 Instrument :
Sample : ITO15-SIMSTD0.1 Quant Date : 4/2/2024 2:30 pm

Compound #70: 4-ethyl toluene



Original Peak Response = 402



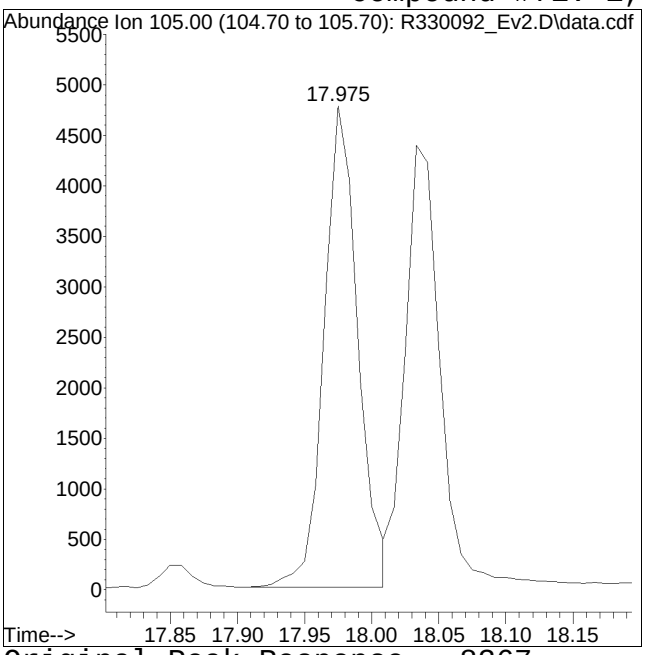
Manual Peak Response = 8289 M4

M4 = Poor automated baseline construction.

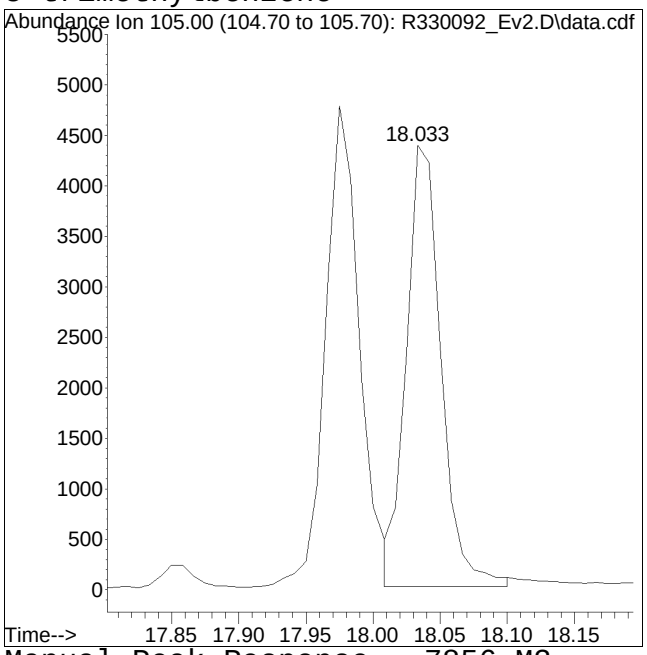
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330092_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:8: 4 Instrument :
Sample : ITO15-SIMSTD0.1 Quant Date : 4/2/2024 2:30 pm

Compound #71: 1,3,5-trimethylbenzene



Original Peak Response = 8367



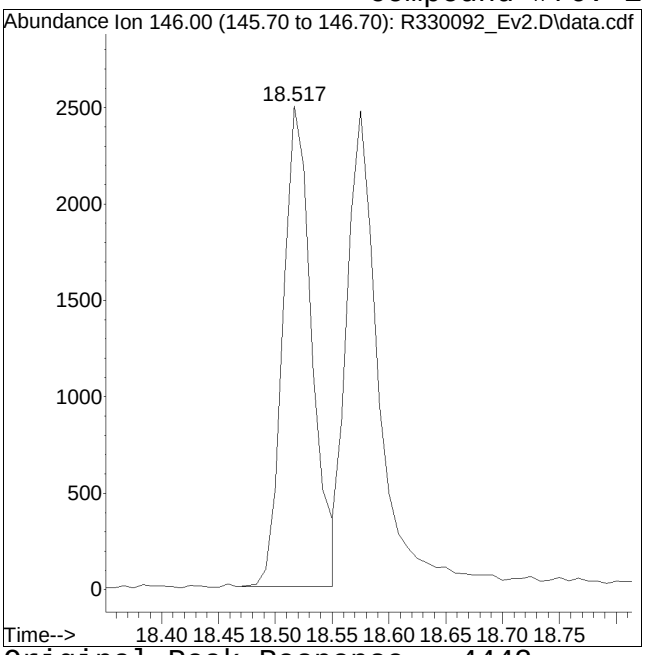
Manual Peak Response = 7856 M3

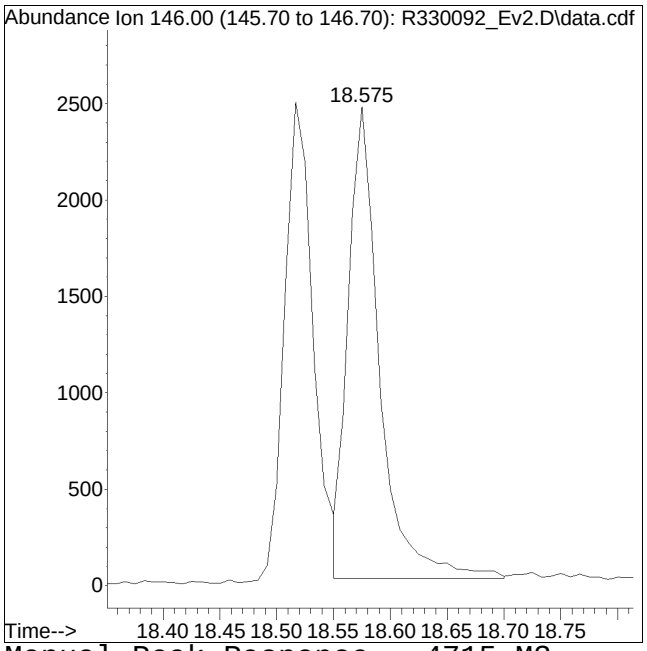
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330092_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/1/2020 0:8: 4 Instrument :
Sample : ITO15-SIMSTD0.1 Quant Date : 4/2/2024 2:30 pm

Compound #76: 1,4-dichlorobenzene





Original Peak Response = 4442 Manual Peak Response = 4715 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330093_Ev2.D
Acq On : 2 Apr 2024 4:58 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.2
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:30:59 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	8.817	49	196560	10.000	ppbV		0.00
33) 1,4-difluorobenzene	11.053	114	686461	10.000	ppbV		0.00
51) chlorobenzene-D5	15.817	54	83323	10.000	ppbV		0.00
System Monitoring Compounds							
35) 1,2-dichloroethane-D4	9.683	65	152094	9.670	ppbV		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.70%				
53) toluene-D8	13.917	98	547290	9.742	ppbV		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.42%				
67) bromofluorobenzene	17.200	95	368570	9.664	ppbV		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.64%				
Target Compounds							Qvalue
2) propylene	3.726	41	3362M6	0.178	ppbV		
3) dichlorodifluoromethane	3.798	85	4225	0.154	ppbV		100
4) chloromethane	3.954	50	2226	0.163	ppbV		98
5) Freon-114	4.056	85	5372	0.162	ppbV		98
6) vinyl chloride	4.170	62	2395	0.155	ppbV		96
7) 1,3-butadiene	4.308	54	1854	0.158	ppbV		99
8) bromomethane	4.584	94	1751	0.153	ppbV		98
9) chloroethane	4.764	64	1229M4	0.156	ppbV		
10) ethanol	4.902	31	7360	0.807	ppbV		95
11) vinyl bromide	5.150	106	519M4	0.469	ppbV		
12) acrolein	5.267	56	997	0.121	ppbV		98
13) acetone	5.417	43	22058	0.841	ppbV	#	99
14) trichlorofluoromethane	5.587	101	4325	0.154	ppbV		97
15) isopropyl alcohol	5.700	45	14942	0.450	ppbV		99
16) acrylonitrile	5.917	53	2154	0.153	ppbV		95
17) 1,1-dichloroethene	6.274	61	4524	0.168	ppbV		99
18) tertiary butyl alcohol	6.364	59	5482	0.157	ppbV		98
19) methylene chloride	6.418	49	3423	0.180	ppbV		100
20) 3-chloropropene	6.544	41	4712	0.153	ppbV		100
21) carbon disulfide	6.712	76	10120	0.161	ppbV	#	87
22) Freon 113	6.718	101	5426	0.168	ppbV		98
23) trans-1,2-dichloroethene	7.458	61	4349	0.156	ppbV		96
24) 1,1-dichloroethane	7.683	63	5593	0.154	ppbV		98
25) MTBE	7.775	73	8671	0.160	ppbV		98
26) vinyl acetate	7.883	43	6612	0.155	ppbV		96
27) 2-butanone	8.158	43	6482	0.147	ppbV		98
28) cis-1,2-dichloroethene	8.633	61	3927	0.151	ppbV		95

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330093_Ev2.D
Acq On : 2 Apr 2024 4:58 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.2
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:30:59 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Ethyl Acetate	8.933	61	1046	0.147	ppbV #	39
30) chloroform	8.975	83	4815	0.158	ppbV	98
31) Tetrahydrofuran	9.458	42	4490	0.157	ppbV	98
32) 1,2-dichloroethane	9.808	62	3308	0.167	ppbV	94
34) hexane	8.883	57	5148	0.157	ppbV #	56
36) 1,1,1-trichloroethane	10.100	97	3975	0.152	ppbV	97
37) benzene	10.627	78	12553	0.174	ppbV	100
38) carbon tetrachloride	10.800	117	3662	0.151	ppbV	95
39) cyclohexane	10.940	56	5406	0.157	ppbV	99
40) Dibromomethane	11.547	93	2669M4	0.154	ppbV	
41) 1,2-dichloropropane	11.580	63	4052	0.153	ppbV	96
42) bromodichloromethane	11.807	83	4737	0.151	ppbV #	98
43) 1,4-dioxane	11.893	88	2062M4	0.146	ppbV	
44) trichloroethene	11.860	130	3878	0.150	ppbV	98
45) 2,2,4-trimethylpentane	11.907	57	16822	0.160	ppbV	98
46) heptane	12.227	43	7240	0.155	ppbV	97
47) cis-1,3-dichloropropene	12.883	75	5002	0.136	ppbV	97
48) 4-methyl-2-pentanone	12.942	43	7217	0.134	ppbV	98
49) trans-1,3-dichloropropene	13.517	75	3419	0.118	ppbV	94
50) 1,1,2-trichloroethane	13.708	97	3576	0.149	ppbV	97
52) toluene	14.033	91	11406	0.157	ppbV	98
54) 2-hexanone	14.358	43	4606M4	0.092	ppbV	
55) dibromochloromethane	14.492	129	4112	0.141	ppbV	98
56) 1,2-dibromoethane	14.750	107	5386	0.148	ppbV	100
57) tetrachloroethene	15.208	166	5184	0.159	ppbV	98
58) 1,1,1,2-tetrachloroethane	15.842	131	3584	0.153	ppbV	99
59) chlorobenzene	15.858	112	9936	0.157	ppbV	96
60) ethylbenzene	16.217	91	13676	0.149	ppbV	99
61) m+p-xylene	16.375	91	21769	0.294	ppbV	100
62) bromoform	16.450	173	3854	0.133	ppbV	99
63) styrene	16.708	104	9043	0.133	ppbV	100
64) 1,1,2,2-tetrachloroethane	16.800	83	7864	0.147	ppbV	100
65) o-xylene	16.800	91	11392	0.152	ppbV	100
66) 1,2,3-Trichloropropane	16.917	75	6786	0.149	ppbV	99
68) isopropylbenzene	17.317	105	16385	0.157	ppbV	99
69) Bromobenzene	17.392	77	8971	0.152	ppbV	98
70) 4-ethyl toluene	17.875	105	15788	0.141	ppbV #	96
71) 1,3,5-trimethylbenzene	17.942	105	14906	0.154	ppbV	100
72) tert-butylbenzene	18.283	119	15002M4	0.158	ppbV	
73) 1,2,4-trimethylbenzene	18.283	105	14059	0.147	ppbV #	91
74) Benzyl Chloride	18.408	91	6274	0.106	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330093_Ev2.D
Acq On : 2 Apr 2024 4:58 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.2
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:30:59 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

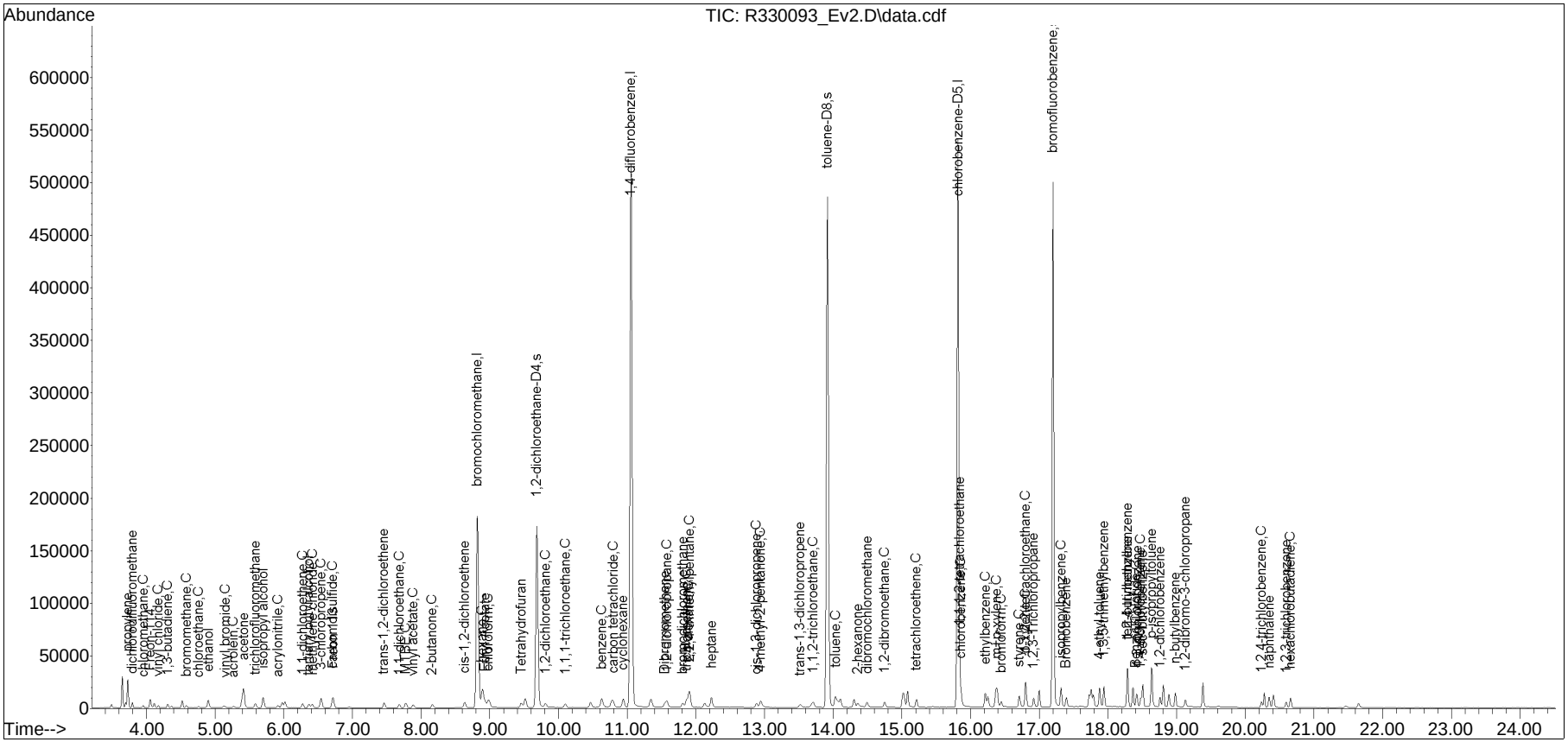
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 1,3-dichlorobenzene	18.425	146	8275	0.133	ppbV	99
76) 1,4-dichlorobenzene	18.475	146	8835M3	0.140	ppbV	
77) sec-butylbenzene	18.508	105	21116	0.158	ppbV	99
78) p-isopropyltoluene	18.633	119	18122	0.161	ppbV	97
79) 1,2-dichlorobenzene	18.758	146	8593	0.144	ppbV	98
80) n-butylbenzene	18.983	91	14093	0.146	ppbV	98
81) 1,2-dibromo-3-chloropr...	19.125	75	3536	0.139	ppbV	96
82) 1,2,4-trichlorobenzene	20.233	180	6463	0.121	ppbV	98
83) naphthalene	20.350	128	15981	0.136	ppbV	99
84) 1,2,3-trichlorobenzene	20.592	180	6324	0.136	ppbV	98
85) hexachlorobutadiene	20.658	225	7952	0.159	ppbV	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-ICV-AP2 - All compounds listedd)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330093_Ev2.D
Acq On : 2 Apr 2024 4:58 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.2
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:30:59 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

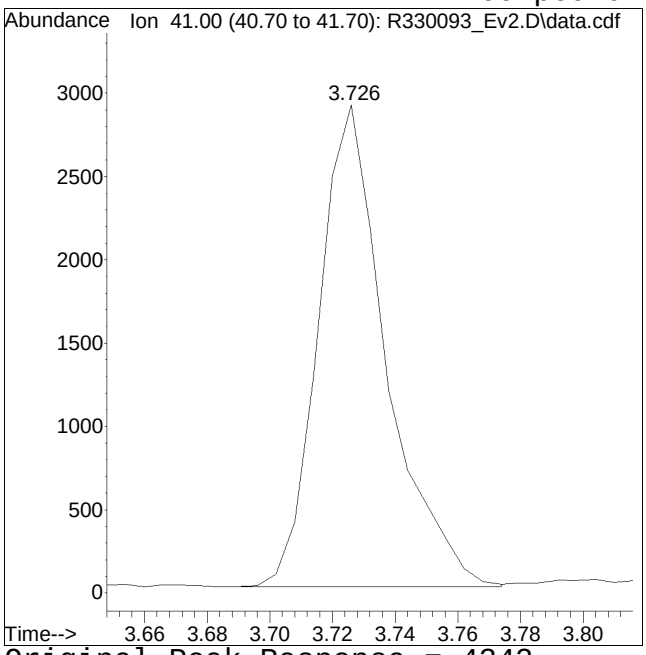


Manual Integration Report

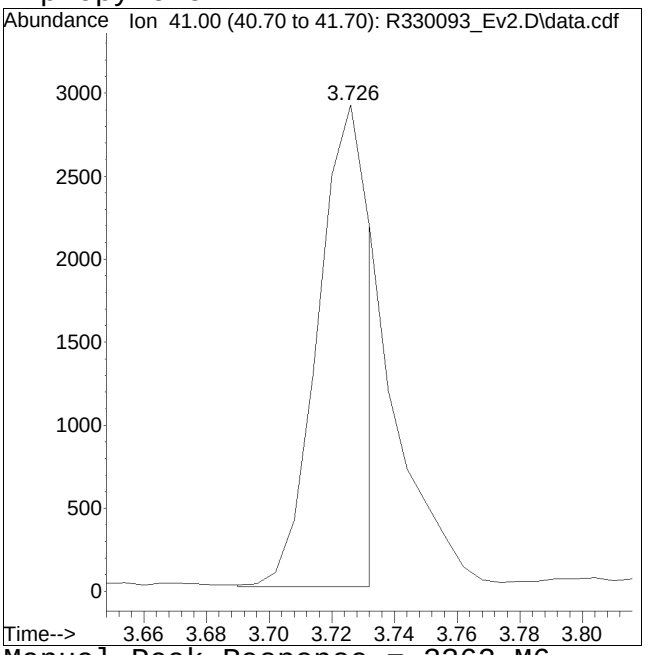
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330093_Ev2.D
Date Inj'd : 4/2/2020 0:4: 8
Sample : ITO15-SIMSTD0.2

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:30 pm

Compound #2: propylene



Original Peak Response = 4342



Manual Peak Response = 3362 M6

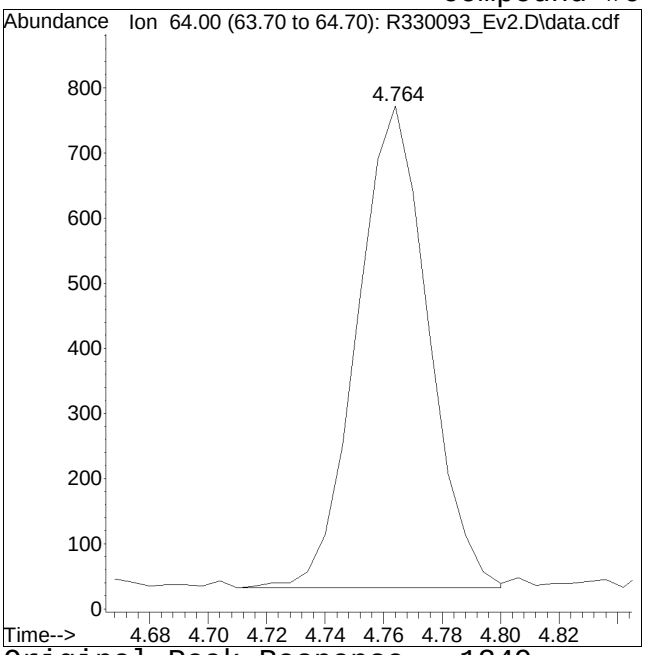
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

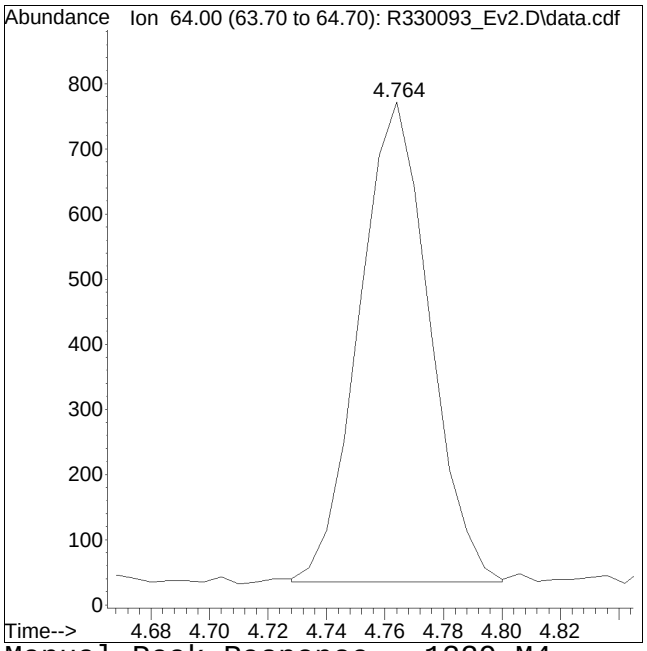
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330093_Ev2.D
Date Inj'd : 4/2/2020 0:4: 8
Sample : ITO15-SIMSTD0.2

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:30 pm

Compound #9: chloroethane



Original Peak Response = 1249



Manual Peak Response = 1229 M4

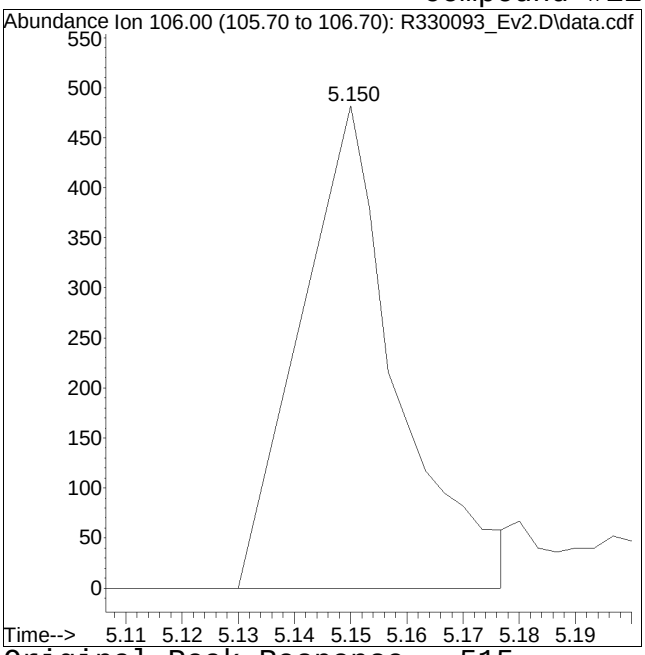
M4 = Poor automated baseline construction.

Manual Integration Report

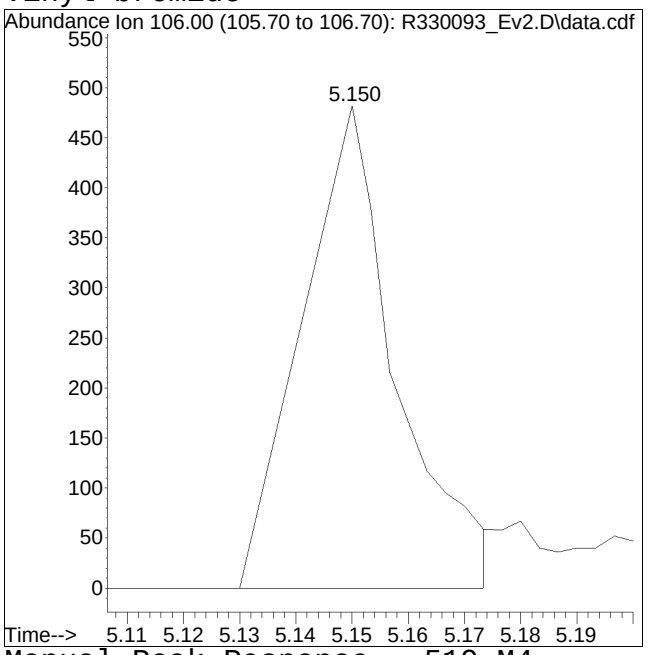
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330093_Ev2.D
Date Inj'd : 4/2/2020 0:4: 8
Sample : ITO15-SIMSTD0.2

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:30 pm

Compound #11: vinyl bromide



Original Peak Response = 515



Manual Peak Response = 519 M4

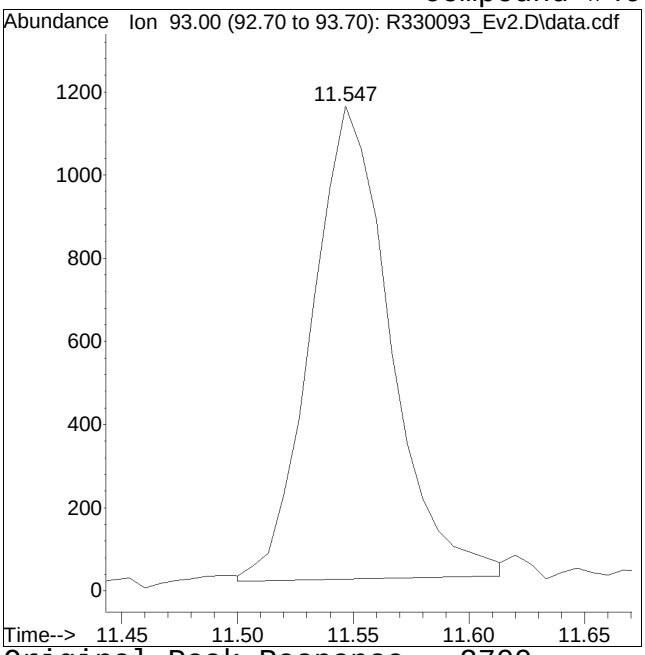
M4 = Poor automated baseline construction.

Manual Integration Report

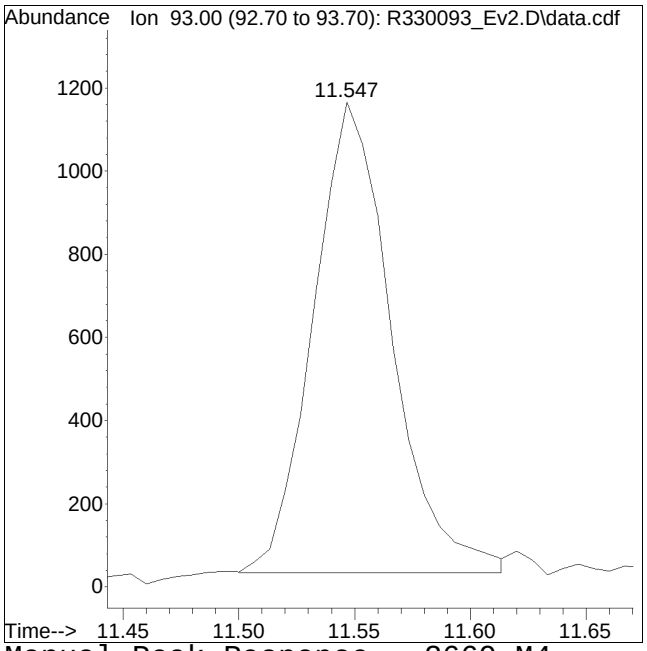
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330093_Ev2.D
Date Inj'd : 4/2/2020 0:4: 8
Sample : ITO15-SIMSTD0.2

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:30 pm

Compound #40: Dibromomethane



Original Peak Response = 2700



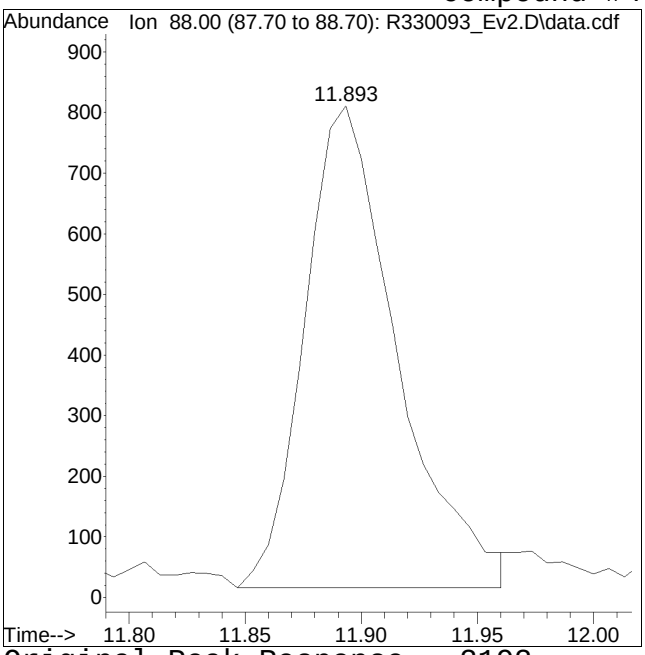
Manual Peak Response = 2669 M4

M4 = Poor automated baseline construction.

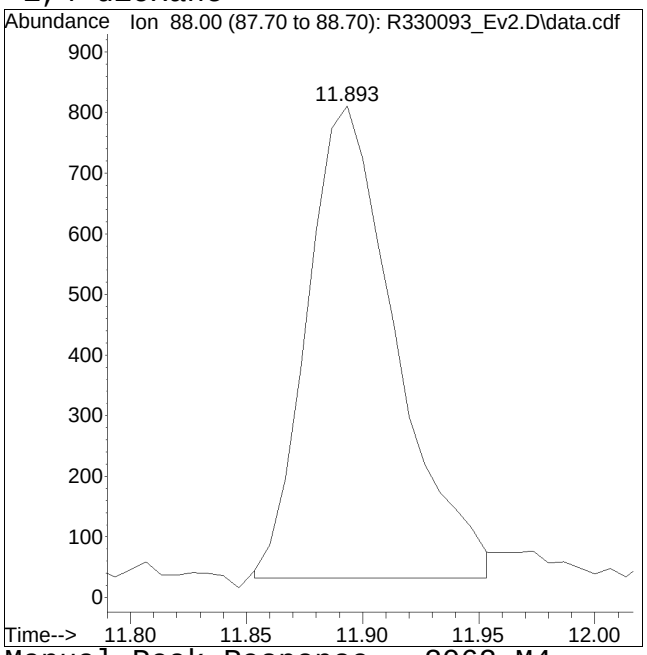
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330093_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/2/2020 0:4: 8 Instrument :
Sample : ITO15-SIMSTD0.2 Quant Date : 4/2/2024 2:30 pm

Compound #43: 1,4-dioxane



Original Peak Response = 2192



Manual Peak Response = 2062 M4

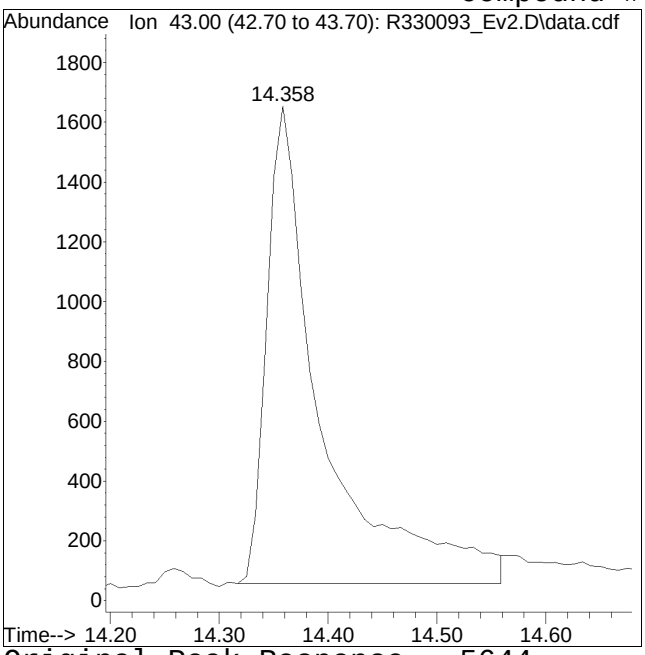
M4 = Poor automated baseline construction.

Manual Integration Report

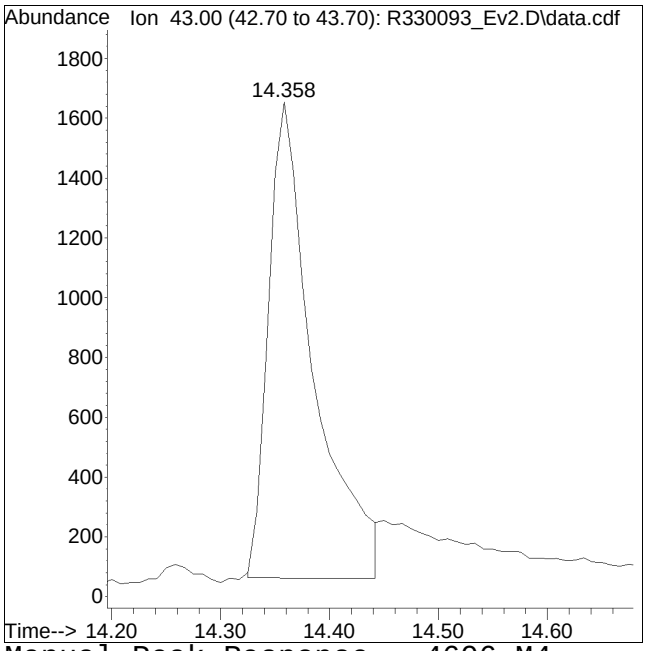
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330093_Ev2.D
Date Inj'd : 4/2/2020 0:4: 8
Sample : ITO15-SIMSTD0.2

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:30 pm

Compound #54: 2-hexanone



Original Peak Response = 5644



Manual Peak Response = 4606 M4

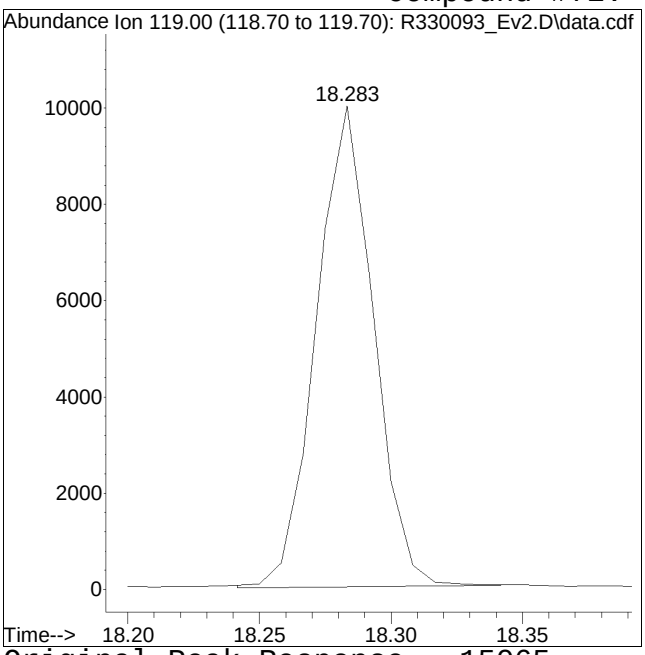
M4 = Poor automated baseline construction.

Manual Integration Report

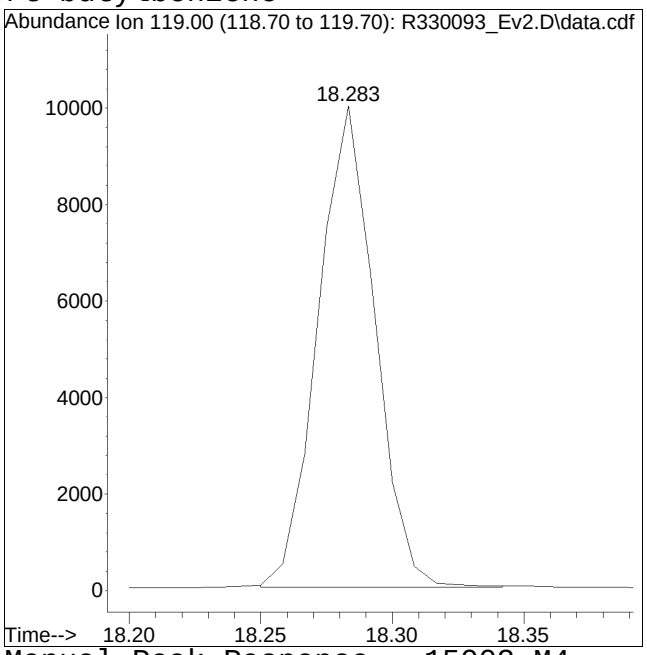
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330093_Ev2.D
Date Inj'd : 4/2/2020 0:4: 8
Sample : ITO15-SIMSTD0.2

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:30 pm

Compound #72: tert-butylbenzene



Original Peak Response = 15065



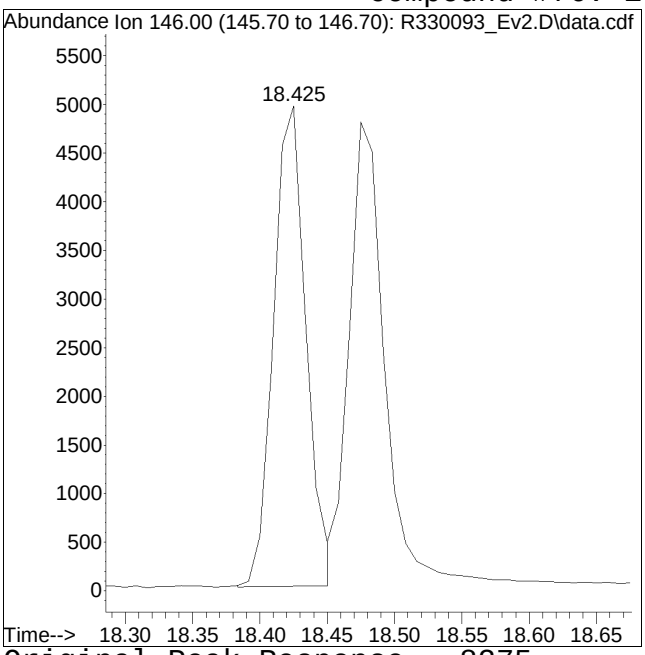
Manual Peak Response = 15002 M4

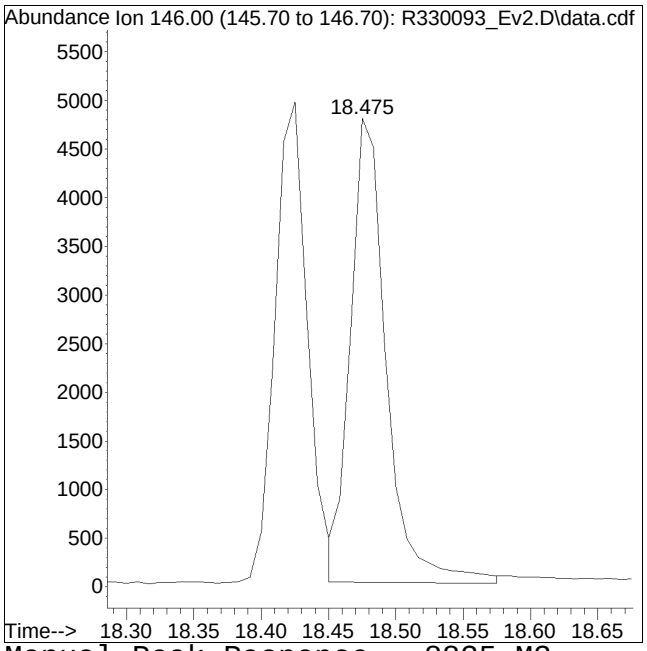
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330093_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/2/2020 0:4: 8 Instrument :
Sample : ITO15-SIMSTD0.2 Quant Date : 4/2/2024 2:30 pm

Compound #76: 1,4-dichlorobenzene





Original Peak Response = 8275 Manual Peak Response = 8835 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330094_Ev2.D
Acq On : 2 Apr 2024 5:39 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.5
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:31:04 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.817	49	195127	10.000	ppbV	0.00
33) 1,4-difluorobenzene	11.053	114	685559	10.000	ppbV	0.00
51) chlorobenzene-D5	15.817	54	82836	10.000	ppbV	0.00
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.683	65	156264	9.949	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.49%			
53) toluene-D8	13.917	98	560854	10.043	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.43%			
67) bromofluorobenzene	17.200	95	379610	10.012	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.12%			
Target Compounds						Qvalue
2) propylene	3.720	41	7640M6	0.408	ppbV	
3) dichlorodifluoromethane	3.792	85	11221	0.413	ppbV	99
4) chloromethane	3.948	50	5604	0.414	ppbV	99
5) Freon-114	4.050	85	13680	0.414	ppbV	97
6) vinyl chloride	4.170	62	6267	0.408	ppbV	100
7) 1,3-butadiene	4.308	54	4758	0.408	ppbV	95
8) bromomethane	4.578	94	4595	0.404	ppbV	100
9) chloroethane	4.758	64	3164	0.404	ppbV	98
10) ethanol	4.896	31	19113	2.111	ppbV	98
11) vinyl bromide	5.150	106	707	0.644	ppbV	98
12) acrolein	5.263	56	3372	0.412	ppbV	98
13) acetone	5.407	43	56177	2.158	ppbV	100
14) trichlorofluoromethane	5.583	101	11407	0.410	ppbV	100
15) isopropyl alcohol	5.690	45	35478	1.076	ppbV	100
16) acrylonitrile	5.910	53	5724	0.410	ppbV	99
17) 1,1-dichloroethene	6.274	61	11370	0.426	ppbV	99
18) tertiary butyl alcohol	6.352	59	13985	0.403	ppbV	99
19) methylene chloride	6.412	49	8261	0.438	ppbV	98
20) 3-chloropropene	6.544	41	12185	0.399	ppbV	100
21) carbon disulfide	6.712	76	25762	0.413	ppbV	96
22) Freon 113	6.712	101	13431	0.419	ppbV	99
23) trans-1,2-dichloroethene	7.458	61	11244	0.407	ppbV	97
24) 1,1-dichloroethane	7.683	63	14710	0.407	ppbV	99
25) MTBE	7.767	73	21970	0.409	ppbV	99
26) vinyl acetate	7.875	43	16919	0.401	ppbV	100
27) 2-butanone	8.150	43	17024	0.388	ppbV	99
28) cis-1,2-dichloroethene	8.633	61	10467	0.405	ppbV	97

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330094_Ev2.D
Acq On : 2 Apr 2024 5:39 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.5
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:31:04 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Ethyl Acetate	8.925	61	2600	0.367	ppbV #	50
30) chloroform	8.975	83	12380	0.408	ppbV	99
31) Tetrahydrofuran	9.442	42	11989	0.422	ppbV	99
32) 1,2-dichloroethane	9.808	62	8270	0.422	ppbV	99
34) hexane	8.883	57	13463	0.411	ppbV #	68
36) 1,1,1-trichloroethane	10.100	97	10428	0.400	ppbV	99
37) benzene	10.627	78	29978	0.416	ppbV	100
38) carbon tetrachloride	10.800	117	9632	0.399	ppbV	99
39) cyclohexane	10.940	56	13944	0.405	ppbV	98
40) Dibromomethane	11.547	93	6903	0.400	ppbV #	54
41) 1,2-dichloropropane	11.580	63	10468	0.396	ppbV	97
42) bromodichloromethane	11.807	83	12323	0.393	ppbV	99
43) 1,4-dioxane	11.880	88	5400	0.382	ppbV	84
44) trichloroethene	11.860	130	10156	0.395	ppbV	97
45) 2,2,4-trimethylpentane	11.907	57	44062	0.419	ppbV	99
46) heptane	12.227	43	19024	0.407	ppbV	99
47) cis-1,3-dichloropropene	12.883	75	13724	0.374	ppbV	99
48) 4-methyl-2-pentanone	12.933	43	20246	0.375	ppbV	99
49) trans-1,3-dichloropropene	13.508	75	9707	0.336	ppbV	97
50) 1,1,2-trichloroethane	13.708	97	9593	0.400	ppbV	97
52) toluene	14.033	91	29491	0.408	ppbV	100
54) 2-hexanone	14.342	43	15648	0.315	ppbV	99
55) dibromochloromethane	14.492	129	10912	0.378	ppbV	99
56) 1,2-dibromoethane	14.742	107	13969	0.386	ppbV	99
57) tetrachloroethene	15.208	166	13194	0.408	ppbV	99
58) 1,1,1,2-tetrachloroethane	15.842	131	9368	0.402	ppbV	97
59) chlorobenzene	15.858	112	25941	0.413	ppbV	97
60) ethylbenzene	16.208	91	36689	0.401	ppbV	98
61) m+p-xylene	16.375	91	58803	0.798	ppbV	99
62) bromoform	16.442	173	10305	0.358	ppbV	99
63) styrene	16.708	104	25612	0.378	ppbV	99
64) 1,1,2,2-tetrachloroethane	16.800	83	20849	0.391	ppbV	100
65) o-xylene	16.800	91	30323	0.408	ppbV	98
66) 1,2,3-Trichloropropane	16.917	75	18241	0.404	ppbV	99
68) isopropylbenzene	17.317	105	43100	0.417	ppbV	99
69) Bromobenzene	17.392	77	23831	0.405	ppbV	99
70) 4-ethyl toluene	17.875	105	43875	0.395	ppbV	98
71) 1,3,5-trimethylbenzene	17.942	105	39435	0.411	ppbV	99
72) tert-butylbenzene	18.283	119	39562	0.419	ppbV	99
73) 1,2,4-trimethylbenzene	18.283	105	38369	0.403	ppbV	94
74) Benzyl Chloride	18.408	91	18613	0.315	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330094_Ev2.D
Acq On : 2 Apr 2024 5:39 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.5
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:31:04 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

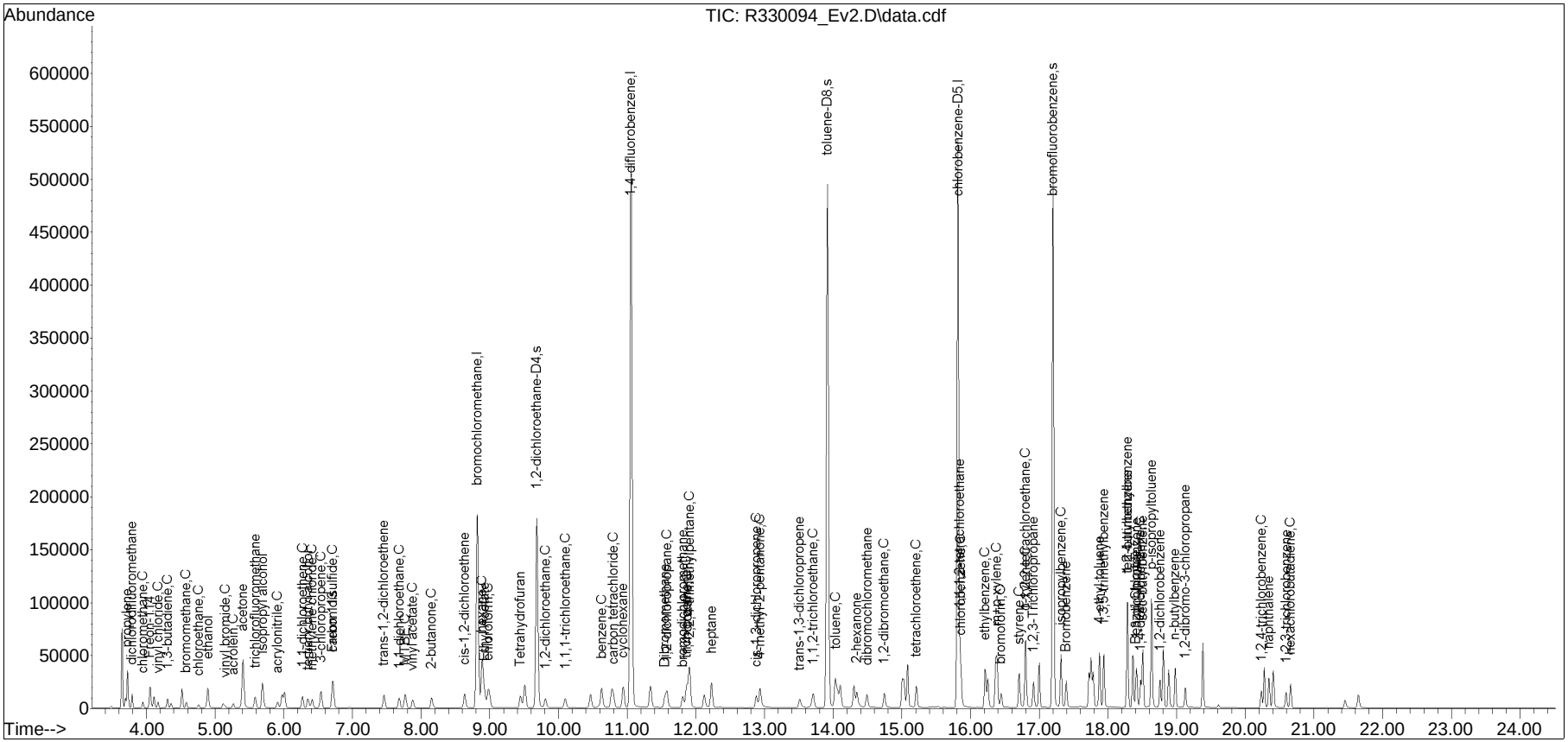
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 1,3-dichlorobenzene	18.417	146	23966	0.387	ppbV	95
76) 1,4-dichlorobenzene	18.475	146	23722	0.378	ppbV	95
77) sec-butylbenzene	18.508	105	55361	0.417	ppbV	98
78) p-isopropyltoluene	18.633	119	47476	0.423	ppbV	96
79) 1,2-dichlorobenzene	18.758	146	22960	0.388	ppbV	96
80) n-butylbenzene	18.975	91	37519	0.392	ppbV	94
81) 1,2-dibromo-3-chloropr...	19.125	75	9430	0.373	ppbV	98
82) 1,2,4-trichlorobenzene	20.233	180	17649	0.332	ppbV	99
83) naphthalene	20.342	128	42291	0.363	ppbV	99
84) 1,2,3-trichlorobenzene	20.592	180	16323	0.354	ppbV	99
85) hexachlorobutadiene	20.658	225	19283	0.388	ppbV	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-ICV-AP2 - All compounds listedd)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330094_Ev2.D
Acq On : 2 Apr 2024 5:39 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD0.5
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:31:04 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

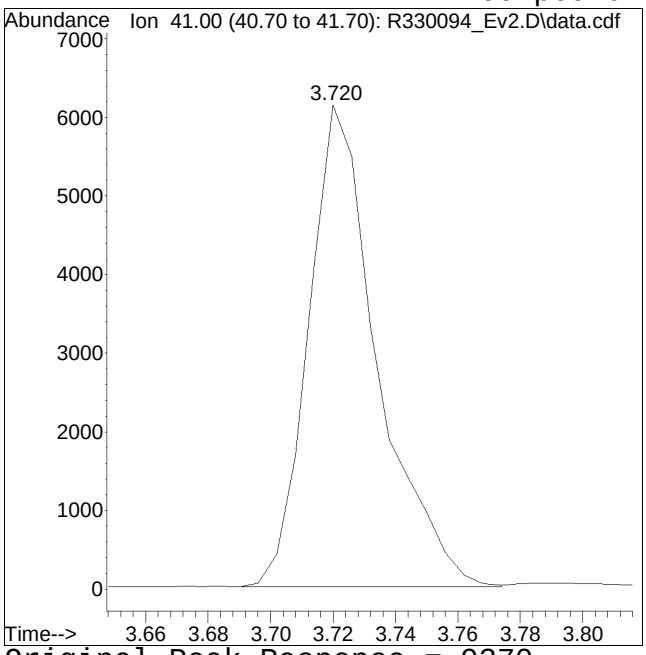


Manual Integration Report

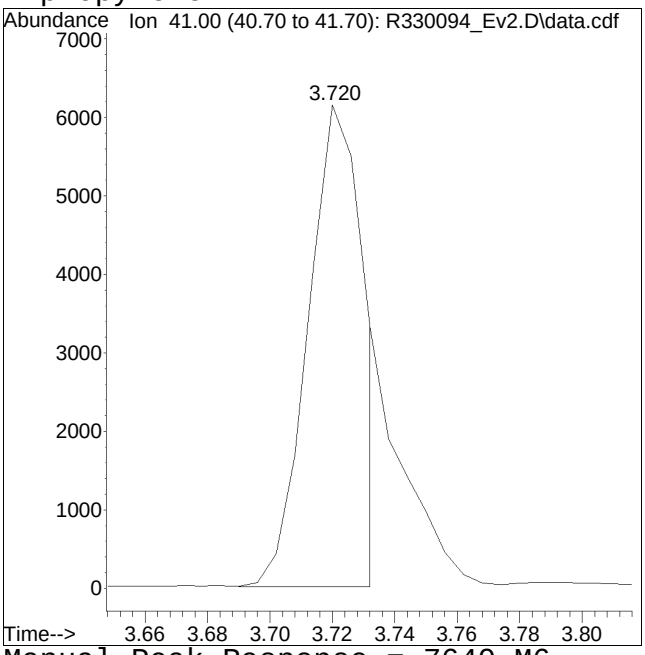
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330094_Ev2.D
Date Inj'd : 4/2/2020 0:5: 9
Sample : ITO15-SIMSTD0.5

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:31 pm

Compound #2: propylene



Original Peak Response = 9370



Manual Peak Response = 7640 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330095_Ev2.D
Acq On : 2 Apr 2024 6:21 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD1.0
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:31:09 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.817	49	198181	10.000	ppbV	0.00
33) 1,4-difluorobenzene	11.053	114	698919	10.000	ppbV	0.00
51) chlorobenzene-D5	15.808	54	85109	10.000	ppbV	0.00
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.683	65	159833	9.981	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.81%			
53) toluene-D8	13.917	98	571893	9.967	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.67%			
67) bromofluorobenzene	17.200	95	390533	10.025	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.25%			
Target Compounds						Qvalue
2) propylene	3.720	41	13569M6	0.713	ppbV	
3) dichlorodifluoromethane	3.792	85	22408M4	0.812	ppbV	
4) chloromethane	3.948	50	11366	0.826	ppbV	100
5) Freon-114	4.050	85	27894	0.832	ppbV	99
6) vinyl chloride	4.164	62	12748	0.818	ppbV	98
7) 1,3-butadiene	4.302	54	9603	0.812	ppbV	100
8) bromomethane	4.578	94	9369	0.810	ppbV	100
9) chloroethane	4.758	64	6529	0.821	ppbV	99
10) ethanol	4.884	31	39093	4.251	ppbV	98
11) vinyl bromide	5.150	106	931	0.835	ppbV	97
12) acrolein	5.257	56	5281	0.636	ppbV	92
13) acetone	5.397	43	114214	4.320	ppbV	100
14) trichlorofluoromethane	5.580	101	23254	0.823	ppbV	100
15) isopropyl alcohol	5.677	45	71930	2.148	ppbV	100
16) acrylonitrile	5.903	53	11625	0.820	ppbV	98
17) 1,1-dichloroethene	6.268	61	22938	0.847	ppbV	99
18) tertiary butyl alcohol	6.340	59	28832	0.819	ppbV	100
19) methylene chloride	6.412	49	16192	0.845	ppbV	100
20) 3-chloropropene	6.538	41	25142	0.810	ppbV	100
21) carbon disulfide	6.706	76	52492	0.829	ppbV	98
22) Freon 113	6.712	101	27090	0.832	ppbV	100
23) trans-1,2-dichloroethene	7.458	61	23169	0.826	ppbV	100
24) 1,1-dichloroethane	7.675	63	29876	0.815	ppbV	99
25) MTBE	7.758	73	44858	0.822	ppbV	99
26) vinyl acetate	7.867	43	34544	0.806	ppbV	99
27) 2-butanone	8.142	43	35656	0.801	ppbV	100
28) cis-1,2-dichloroethene	8.633	61	21338	0.812	ppbV	93

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330095_Ev2.D
Acq On : 2 Apr 2024 6:21 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD1.0
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:31:09 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Ethyl Acetate	8.917	61	5638	0.785	ppbV #	54
30) chloroform	8.967	83	25215	0.818	ppbV	100
31) Tetrahydrofuran	9.425	42	24516	0.850	ppbV	97
32) 1,2-dichloroethane	9.808	62	16406	0.824	ppbV	99
34) hexane	8.883	57	27435	0.822	ppbV #	75
36) 1,1,1-trichloroethane	10.100	97	21430	0.805	ppbV	97
37) benzene	10.627	78	60142	0.819	ppbV	100
38) carbon tetrachloride	10.800	117	19570	0.795	ppbV	97
39) cyclohexane	10.940	56	28536	0.813	ppbV	97
40) Dibromomethane	11.540	93	14061	0.799	ppbV #	52
41) 1,2-dichloropropane	11.573	63	21333	0.793	ppbV	99
42) bromodichloromethane	11.807	83	25340	0.793	ppbV	100
43) 1,4-dioxane	11.867	88	11151	0.773	ppbV	94
44) trichloroethene	11.860	130	20741	0.790	ppbV	98
45) 2,2,4-trimethylpentane	11.900	57	90584	0.846	ppbV	100
46) heptane	12.227	43	38783	0.814	ppbV	99
47) cis-1,3-dichloropropene	12.875	75	28961	0.774	ppbV	98
48) 4-methyl-2-pentanone	12.925	43	42530	0.773	ppbV	99
49) trans-1,3-dichloropropene	13.508	75	20782	0.706	ppbV	99
50) 1,1,2-trichloroethane	13.708	97	19520	0.798	ppbV	99
52) toluene	14.025	91	60047	0.810	ppbV	99
54) 2-hexanone	14.333	43	35782	0.701	ppbV	100
55) dibromochloromethane	14.483	129	23013	0.775	ppbV	100
56) 1,2-dibromoethane	14.742	107	29302	0.788	ppbV	99
57) tetrachloroethene	15.208	166	27091	0.815	ppbV	100
58) 1,1,1,2-tetrachloroethane	15.842	131	19198	0.802	ppbV	99
59) chlorobenzene	15.858	112	52608	0.814	ppbV	95
60) ethylbenzene	16.208	91	75388	0.802	ppbV	98
61) m+p-xylene	16.367	91	121520	1.605	ppbV	99
62) bromoform	16.442	173	21961	0.742	ppbV	100
63) styrene	16.700	104	54102	0.776	ppbV	99
64) 1,1,2,2-tetrachloroethane	16.800	83	43510	0.794	ppbV	100
65) o-xylene	16.800	91	62265	0.816	ppbV	98
66) 1,2,3-Trichloropropane	16.908	75	37814	0.815	ppbV	99
68) isopropylbenzene	17.317	105	88641	0.834	ppbV	99
69) Bromobenzene	17.392	77	48683	0.806	ppbV	98
70) 4-ethyl toluene	17.875	105	91880	0.806	ppbV	99
71) 1,3,5-trimethylbenzene	17.942	105	80456	0.816	ppbV	98
72) tert-butylbenzene	18.283	119	80969	0.834	ppbV	99
73) 1,2,4-trimethylbenzene	18.283	105	79458	0.813	ppbV	97
74) Benzyl Chloride	18.400	91	42953	0.709	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330095_Ev2.D
Acq On : 2 Apr 2024 6:21 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD1.0
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:31:09 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

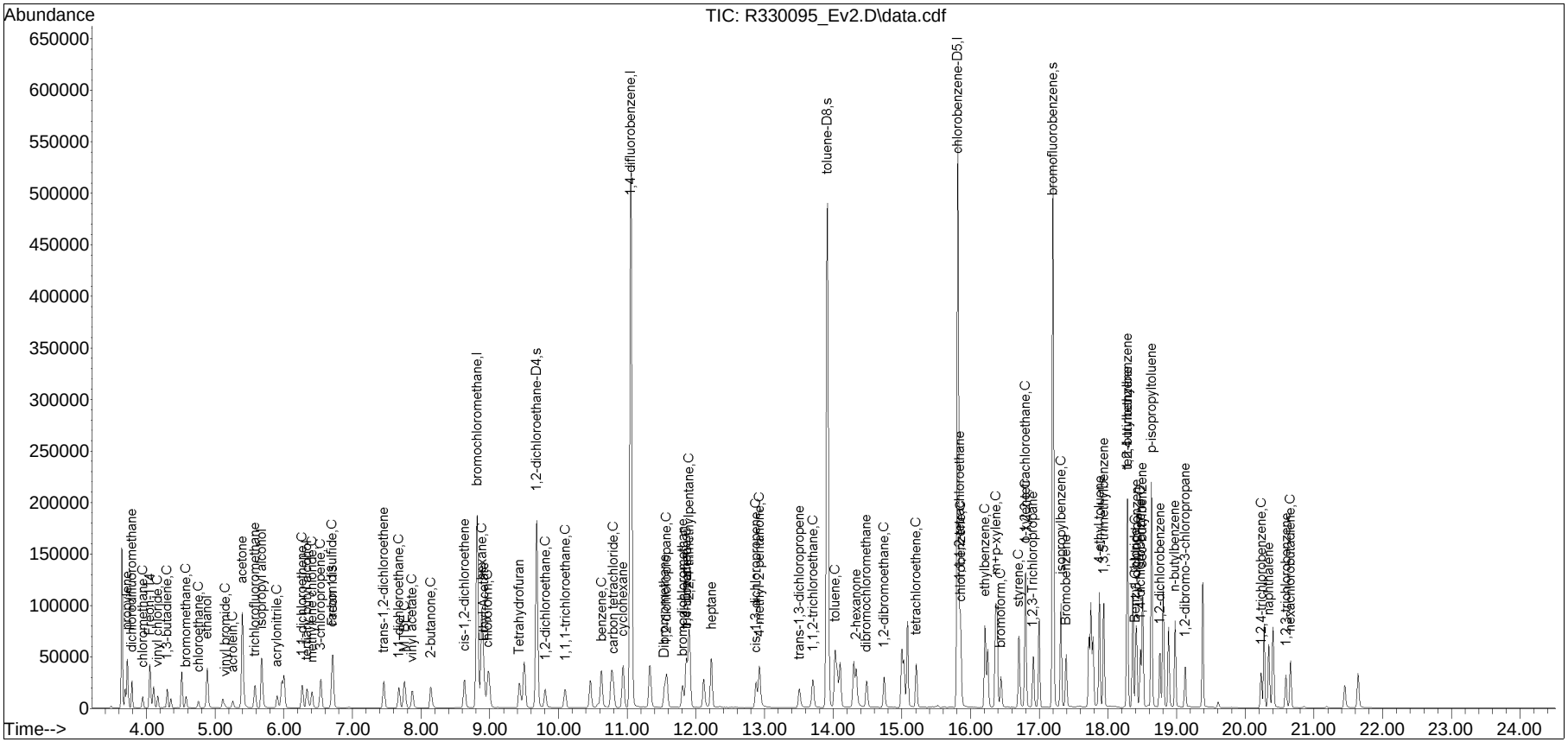
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 1,3-dichlorobenzene	18.417	146	49837	0.782	ppbV	98
76) 1,4-dichlorobenzene	18.475	146	51285	0.795	ppbV	98
77) sec-butylbenzene	18.500	105	113823	0.834	ppbV	97
78) p-isopropyltoluene	18.633	119	96828	0.840	ppbV	98
79) 1,2-dichlorobenzene	18.758	146	48180	0.793	ppbV	93
80) n-butylbenzene	18.975	91	78893	0.801	ppbV	96
81) 1,2-dibromo-3-chloropr...	19.125	75	20130	0.775	ppbV	98
82) 1,2,4-trichlorobenzene	20.233	180	37691	0.690	ppbV	99
83) naphthalene	20.342	128	90108	0.753	ppbV	99
84) 1,2,3-trichlorobenzene	20.592	180	35036	0.739	ppbV	99
85) hexachlorobutadiene	20.658	225	39812	0.780	ppbV	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-ICV-AP2 - All compounds listedd)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330095_Ev2.D
Acq On : 2 Apr 2024 6:21 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD1.0
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:31:09 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

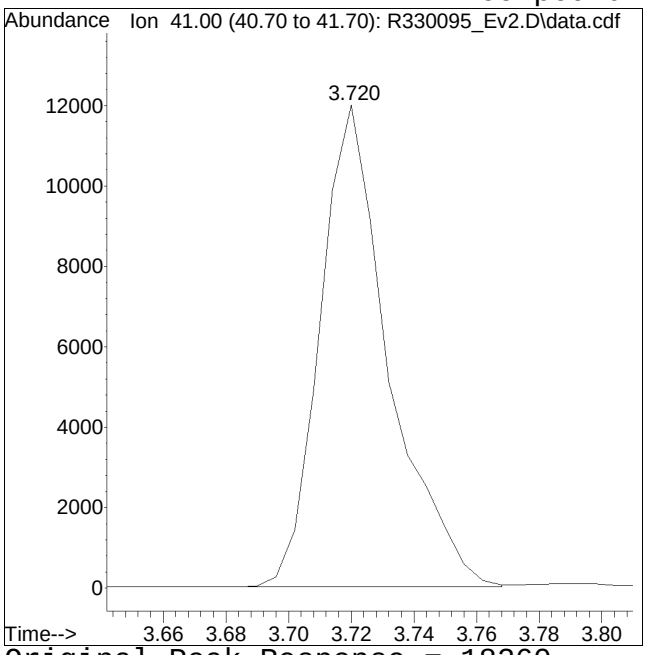


Manual Integration Report

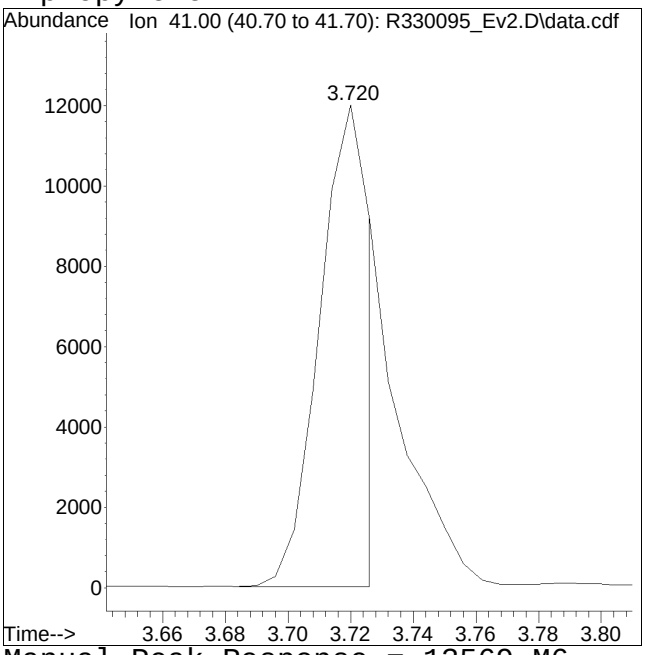
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330095_Ev2.D
Date Inj'd : 4/2/2020 0:6: 1
Sample : ITO15-SIMSTD1.0

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:31 pm

Compound #2: propylene



Original Peak Response = 18260



Manual Peak Response = 13569 M6

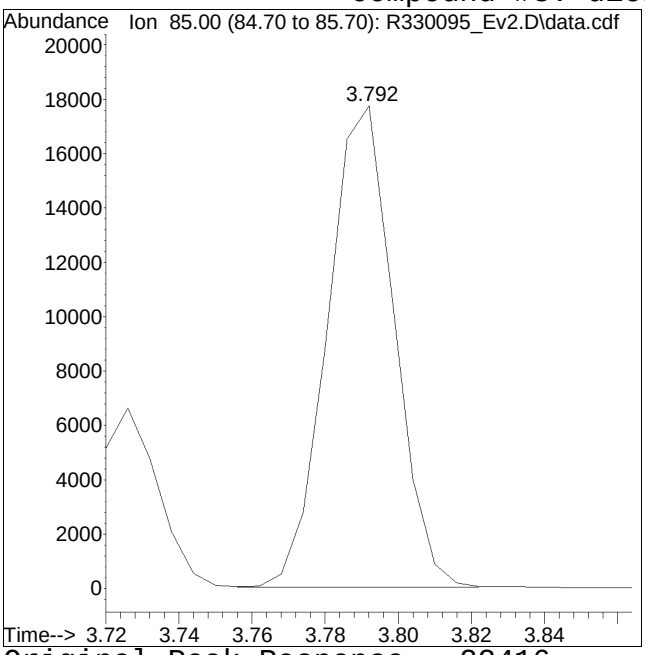
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

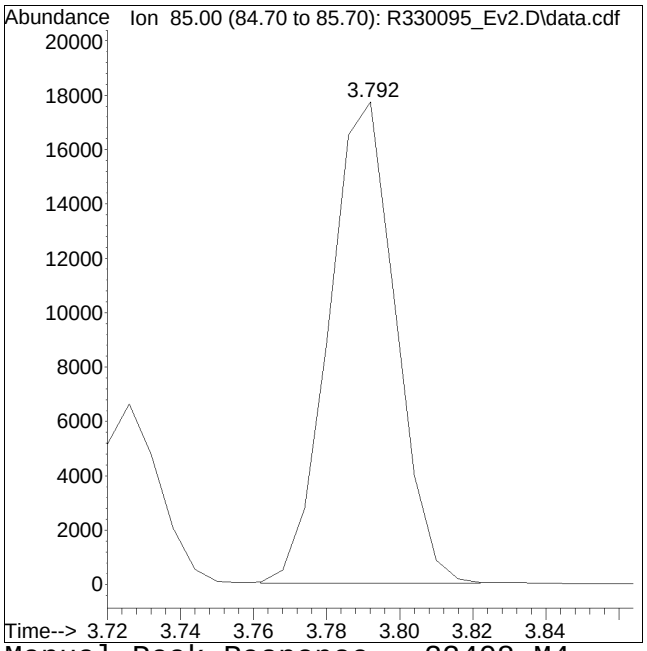
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Data File : R330095_Ev2.D
Date Inj'd : 4/2/2020 0:6: 1
Sample : ITO15-SIMSTD1.0

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:31 pm

Compound #3: dichlorodifluoromethane



Original Peak Response = 22416



Manual Peak Response = 22408 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330096_Ev2.D
Acq On : 2 Apr 2024 7:02 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD5.0
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:23:37 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Jan 16 17:54:34 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.817	49	196671	10.000	ppbV	-0.17
33) 1,4-difluorobenzene	11.053	114	689409	10.000	ppbV	-0.17
51) chlorobenzene-D5	15.808	54	84370	10.000	ppbV	-0.13
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.683	65	157953M2	5.155	ppbV	-0.17
Spiked Amount 10.000	Range 70 - 130		Recovery = 51.55%#			
53) toluene-D8	13.908	98	568819	7.297	ppbV	-0.16
Spiked Amount 10.000	Range 70 - 130		Recovery = 72.97%			
67) bromofluorobenzene	17.200	95	386181	7.809	ppbV	-0.12
Spiked Amount 10.000	Range 70 - 130		Recovery = 78.09%			
Target Compounds						Qvalue
2) propylene	3.720	41	94384M6	7.030	ppbV	
3) dichlorodifluoromethane	3.792	85	136958	5.767	ppbV	99
4) chloromethane	3.948	50	68250	5.760	ppbV	98
5) Freon-114	4.050	85	166388	5.637	ppbV	96
6) vinyl chloride	4.164	62	77369	4.710	ppbV	100
7) 1,3-butadiene	4.302	54	58708	5.185	ppbV	95
8) bromomethane	4.578	94	57370	4.721	ppbV	100
9) chloroethane	4.758	64	39475	4.633	ppbV	92
10) ethanol	4.878	31	228136	25.204	ppbV #	69
11) vinyl bromide	5.150	106	5535	0.430	ppbV	98
12) acrolein	5.253	56	41213	5.520	ppbV	97
13) acetone	5.387	43	655874	31.551	ppbV	89
14) trichlorofluoromethane	5.580	101	140133	5.578	ppbV	99
15) isopropyl alcohol	5.663	45	415392	16.595	ppbV	97
16) acrylonitrile	5.900	53	70339	5.664	ppbV	98
17) 1,1-dichloroethene	6.268	61	134426	5.542	ppbV	97
18) tertiary butyl alcohol	6.316	59	174701	5.441	ppbV	93
19) methylene chloride	6.412	49	95083	6.052	ppbV	97
20) 3-chloropropene	6.538	41	153997	6.788	ppbV	94
21) carbon disulfide	6.706	76	314167	7.289	ppbV	98
22) Freon 113	6.712	101	161515	5.760	ppbV	97
23) trans-1,2-dichloroethene	7.458	61	139127	5.702	ppbV	97
24) 1,1-dichloroethane	7.675	63	181936	5.794	ppbV	98
25) MTBE	7.742	73	270799	6.848	ppbV	95
26) vinyl acetate	7.867	43	212786	6.610	ppbV	96
27) 2-butanone	8.125	43	220944	6.743	ppbV #	97

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330096_Ev2.D
Acq On : 2 Apr 2024 7:02 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD5.0
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:23:37 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Jan 16 17:54:34 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) cis-1,2-dichloroethene	8.625	61	130389	5.628	ppbV		99
29) Ethyl Acetate	8.900	61	35658	5.965	ppbV		66
30) chloroform	8.967	83	152910	6.064	ppbV		97
31) Tetrahydrofuran	9.408	42	143067	6.954	ppbV		97
32) 1,2-dichloroethane	9.800	62	98824	5.233	ppbV		96
34) hexane	8.883	57	164519M2	4.999	ppbV		
36) 1,1,1-trichloroethane	10.092	97	131218M2	5.203	ppbV		
37) benzene	10.620	78	362358M4	6.035	ppbV		
38) carbon tetrachloride	10.793	117	121463M2	5.993	ppbV		
39) cyclohexane	10.940	56	173093M2	5.026	ppbV		
40) Dibromomethane	11.540	93	86819M3	5.304	ppbV		
41) 1,2-dichloropropane	11.573	63	132748M3	5.515	ppbV		
42) bromodichloromethane	11.807	83	157611	6.197	ppbV		98
43) 1,4-dioxane	11.847	88	71155M2	5.490	ppbV		
44) trichloroethene	11.860	130	129436	5.597	ppbV		99
45) 2,2,4-trimethylpentane	11.900	57	528322M3	4.756	ppbV		
46) heptane	12.220	43	235016	6.190	ppbV	#	87
47) cis-1,3-dichloropropene	12.875	75	184660	6.917	ppbV		92
48) 4-methyl-2-pentanone	12.908	43	271288M3	6.303	ppbV		
49) trans-1,3-dichloropropene	13.500	75	145280M3	7.406	ppbV		
50) 1,1,2-trichloroethane	13.700	97	120663M3	5.589	ppbV		
52) toluene	14.025	91	367667	6.318	ppbV		99
54) 2-hexanone	14.317	43	253024	7.936	ppbV		87
55) dibromochloromethane	14.483	129	147133	7.992	ppbV		100
56) 1,2-dibromoethane	14.733	107	184300	7.656	ppbV		99
57) tetrachloroethene	15.208	166	164707	6.966	ppbV		94
58) 1,1,1,2-tetrachloroethane	15.842	131	118699	6.856	ppbV		98
59) chlorobenzene	15.850	112	320210	7.502	ppbV		97
60) ethylbenzene	16.208	91	465650	6.612	ppbV		90
61) m+p-xylene	16.375	91	750619	13.338	ppbV		89
62) bromoform	16.442	173	146655	9.272	ppbV		99
63) styrene	16.700	104	345380	8.014	ppbV		100
64) 1,1,2,2-tetrachloroethane	16.792	83	271752M3	7.186	ppbV		
65) o-xylene	16.792	91	378208M3	6.620	ppbV		
66) 1,2,3-Trichloropropane	16.908	75	229875	7.748	ppbV		97
68) isopropylbenzene	17.308	105	526904	7.261	ppbV		97
69) Bromobenzene	17.383	77	299483	7.428	ppbV		98
70) 4-ethyl toluene	17.875	105	565136	8.063	ppbV		98
71) 1,3,5-trimethylbenzene	17.933	105	488584	7.578	ppbV		99
72) tert-butylbenzene	18.275	119	481055	7.352	ppbV		96
73) 1,2,4-trimethylbenzene	18.283	105	484529	7.743	ppbV		88

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330096_Ev2.D
Acq On : 2 Apr 2024 7:02 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD5.0
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:23:37 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Jan 16 17:54:34 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

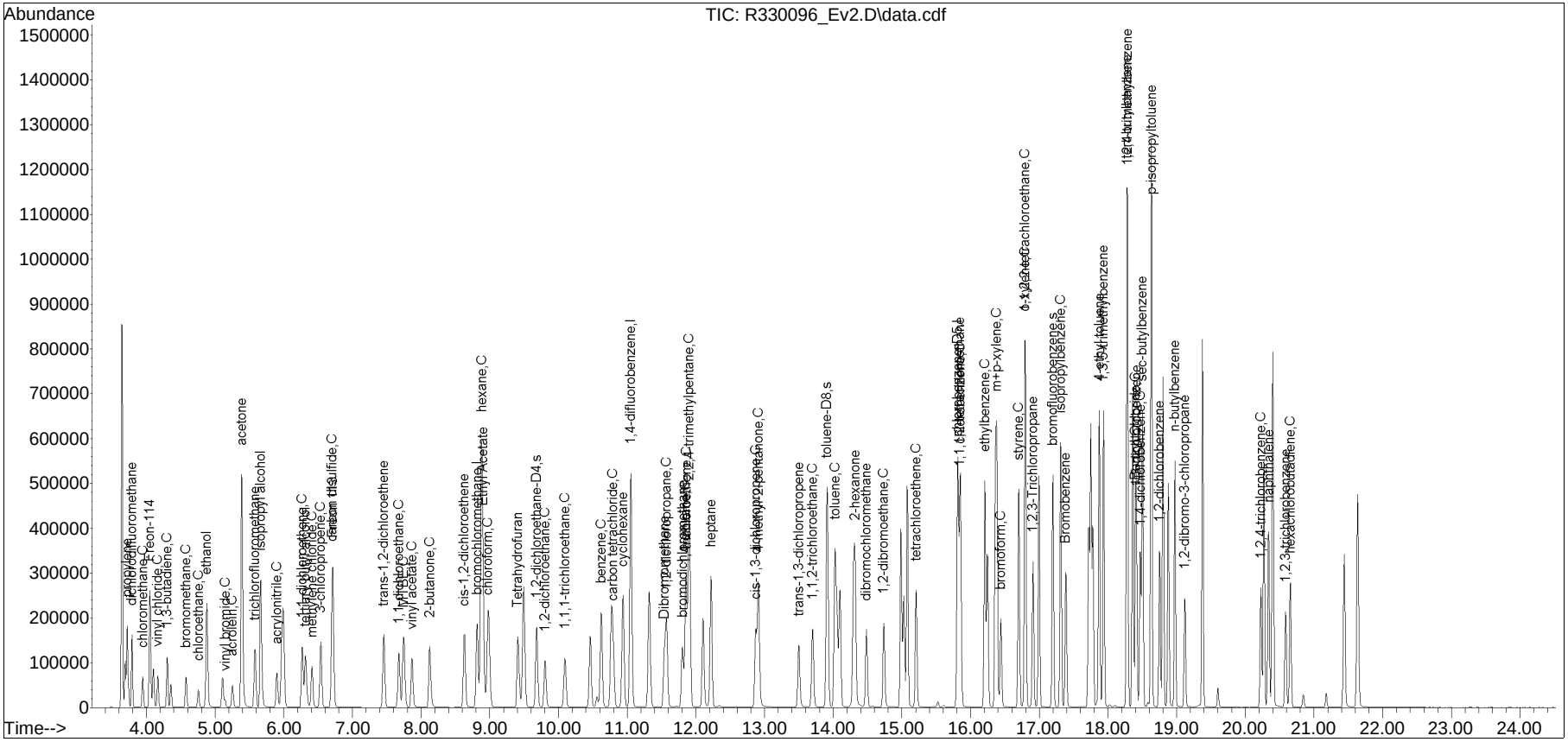
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Benzyl Chloride	18.400	91	300460	8.480	ppbV	98
75) 1,3-dichlorobenzene	18.417	146	315774M3	8.123	ppbV	
76) 1,4-dichlorobenzene	18.475	146	319700	8.361	ppbV	95
77) sec-butylbenzene	18.500	105	676375	7.246	ppbV	96
78) p-isopropyltoluene	18.633	119	571367	7.297	ppbV	98
79) 1,2-dichlorobenzene	18.750	146	301079	7.623	ppbV	96
80) n-butylbenzene	18.975	91	488031M3	6.703	ppbV	
81) 1,2-dibromo-3-chloropr...	19.117	75	128825	8.987	ppbV	95
82) 1,2,4-trichlorobenzene	20.225	180	270944	8.453	ppbV	100
83) naphthalene	20.342	128	593245	7.782	ppbV	100
84) 1,2,3-trichlorobenzene	20.583	180	234947	7.991	ppbV	99
85) hexachlorobutadiene	20.658	225	252991	7.469	ppbV	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-ICV-AP2 - All compounds listedd)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330096_Ev2.D
Acq On : 2 Apr 2024 7:02 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD5.0
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:23:37 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Jan 16 17:54:34 2024
Response via : Initial Calibration

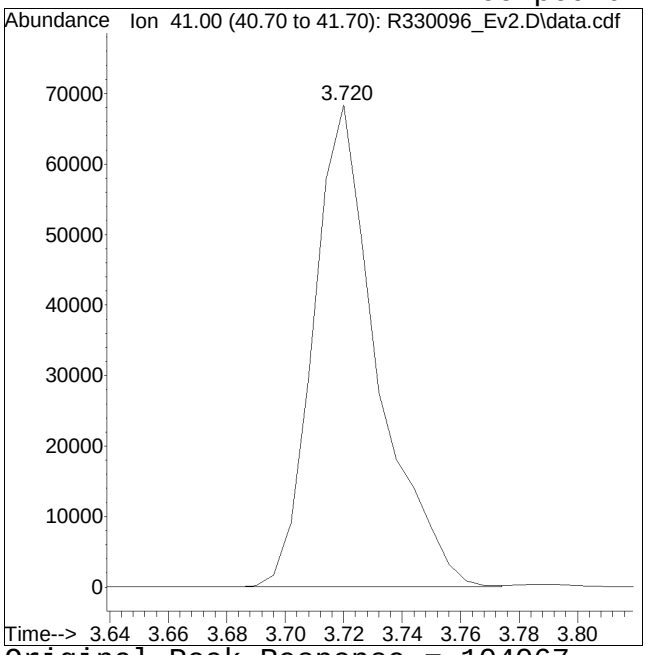


Manual Integration Report

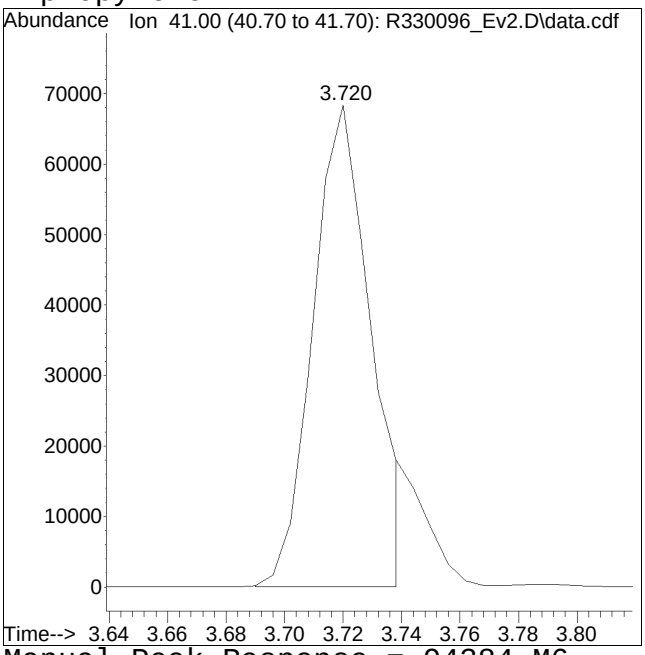
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330096_Ev2.D
Date Inj'd : 4/2/2020 0:7: 2
Sample : ITO15-SIMSTD5.0

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:23 pm

Compound #2: propylene



Original Peak Response = 104067



Manual Peak Response = 94384 M6

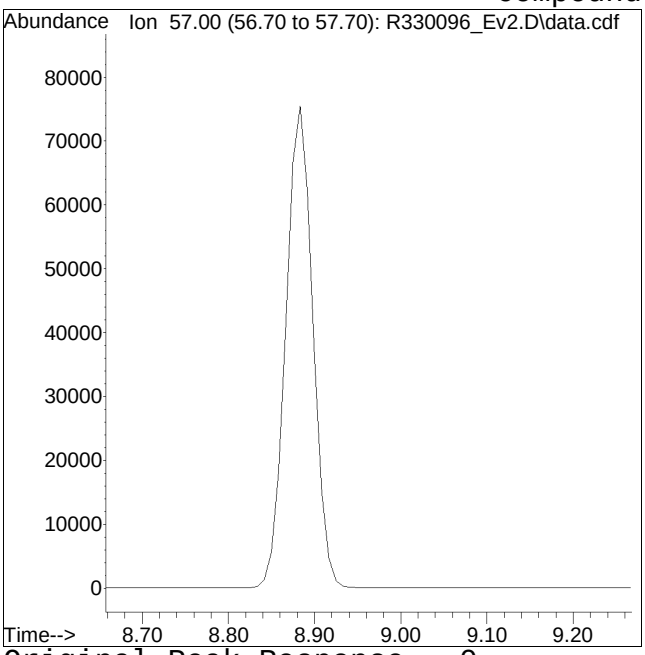
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

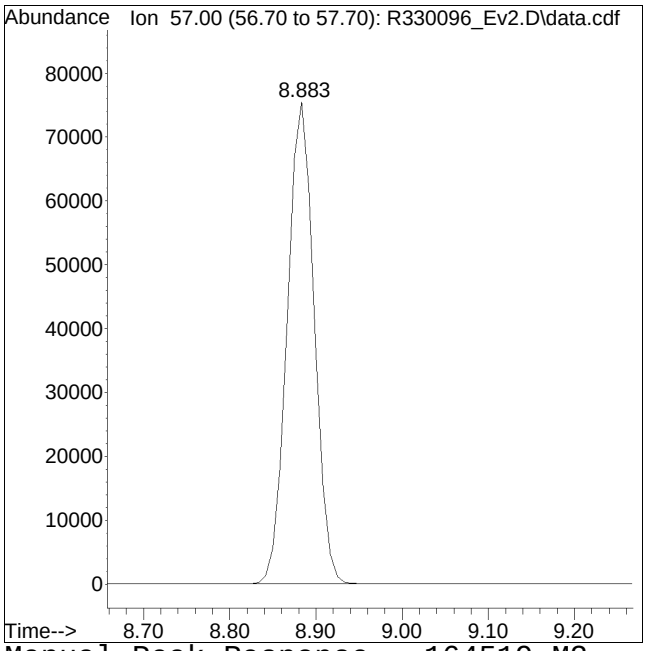
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330096_Ev2.D
Date Inj'd : 4/2/2020 0:7: 2
Sample : ITO15-SIMSTD5.0

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:23 pm

Compound #34: hexane



Original Peak Response = 0



Manual Peak Response = 164519 M2

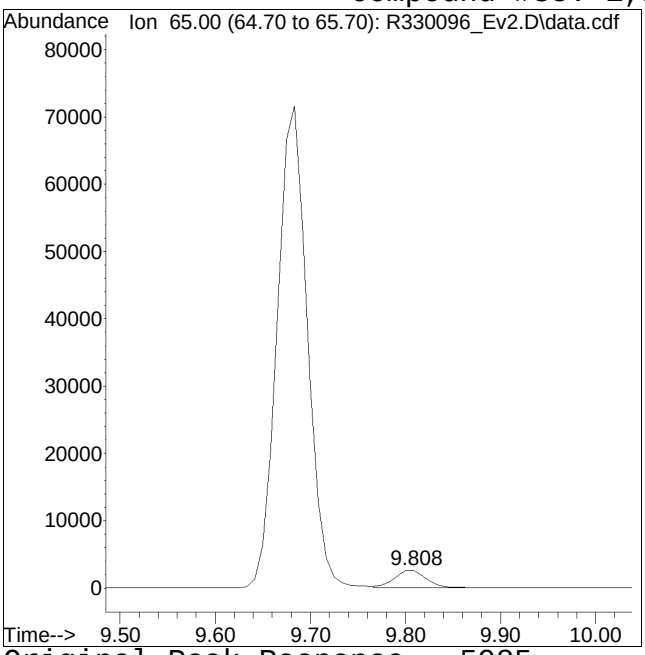
M2 = Peak not found by automatic integration algorithm.

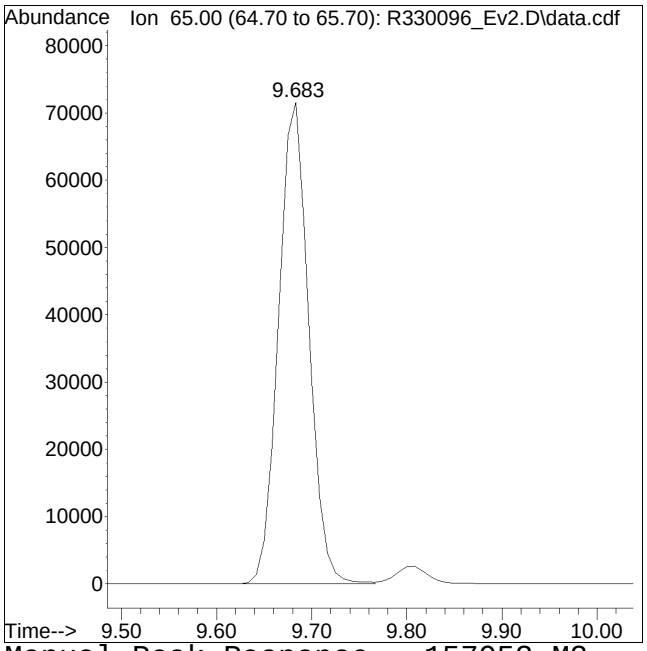
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330096_Ev2.D
Date Inj'd : 4/2/2020 0:7: 2
Sample : ITO15-SIMSTD5.0

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:23 pm

Compound #35: 1,2-dichloroethane-D4





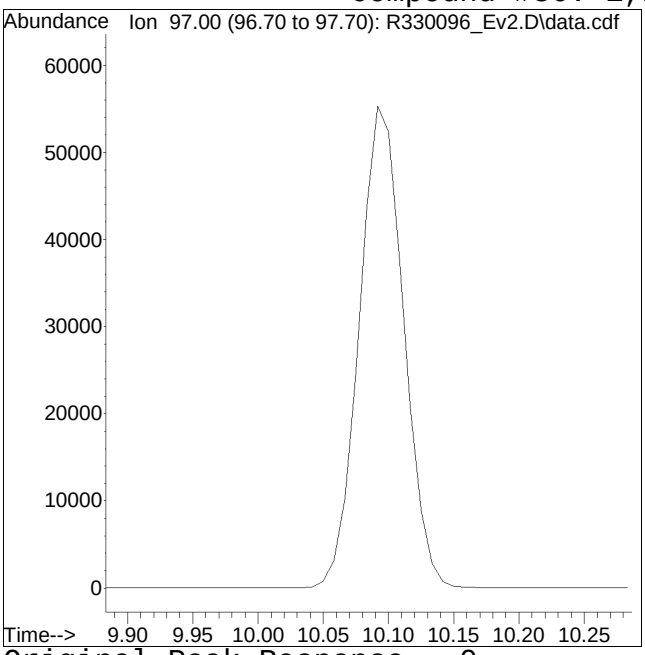
Original Peak Response = 5985
Manual Peak Response = 157953 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

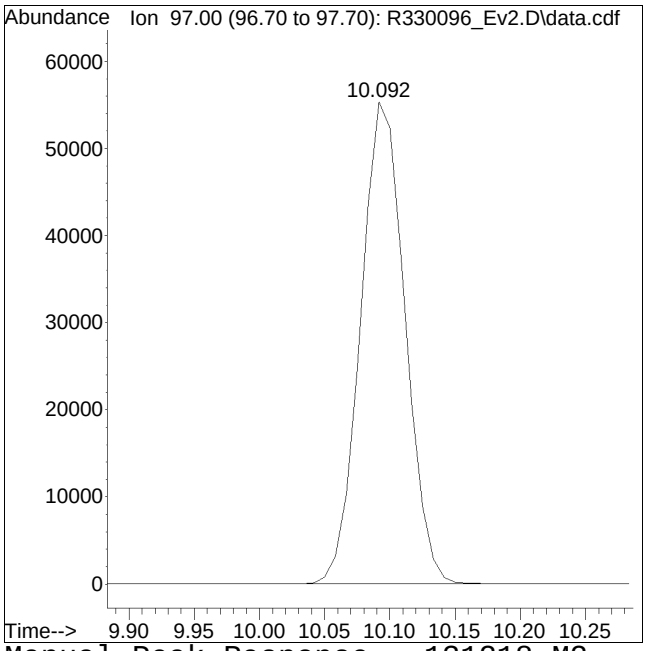
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330096_Ev2.D
Date Inj'd : 4/2/2020 0:7: 2
Sample : ITO15-SIMSTD5.0

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:23 pm

Compound #36: 1,1,1-trichloroethane



Original Peak Response = 0



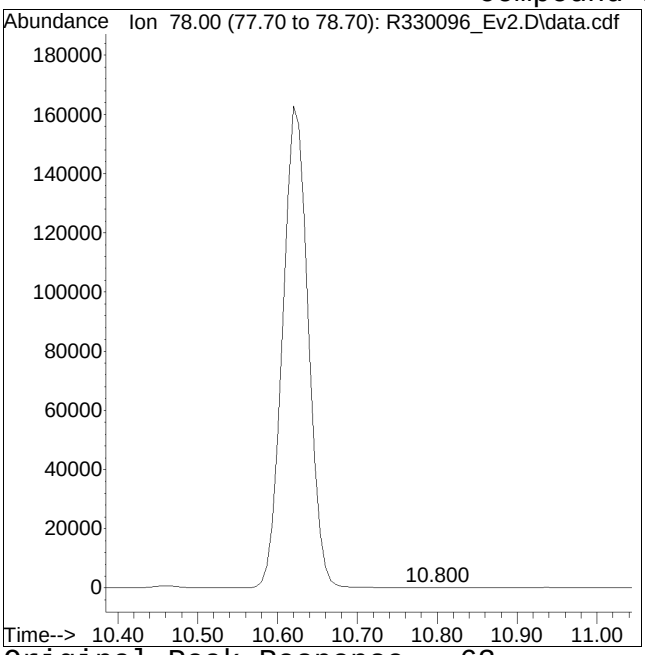
Manual Peak Response = 131218 M2

M2 = Peak not found by automatic integration algorithm.

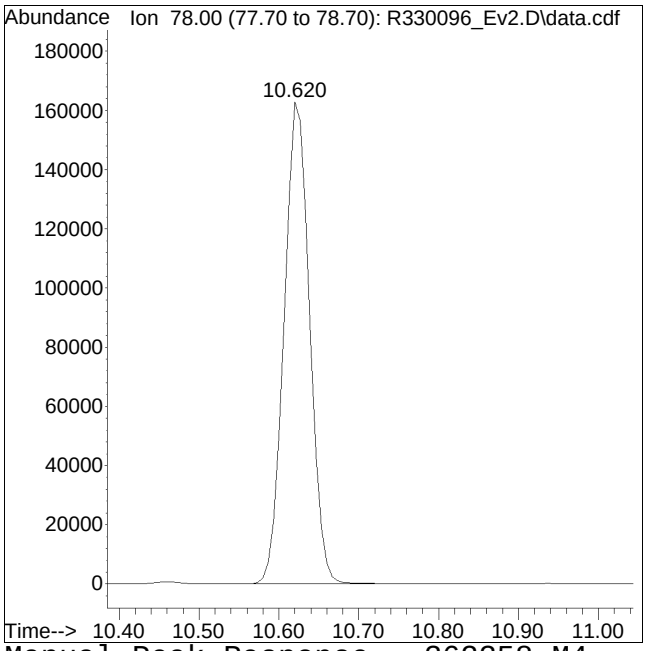
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330096_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/2/2020 0:7: 2 Instrument :
Sample : ITO15-SIMSTD5.0 Quant Date : 4/2/2024 2:23 pm

Compound #37: benzene



Original Peak Response = 63



Manual Peak Response = 362358 M4

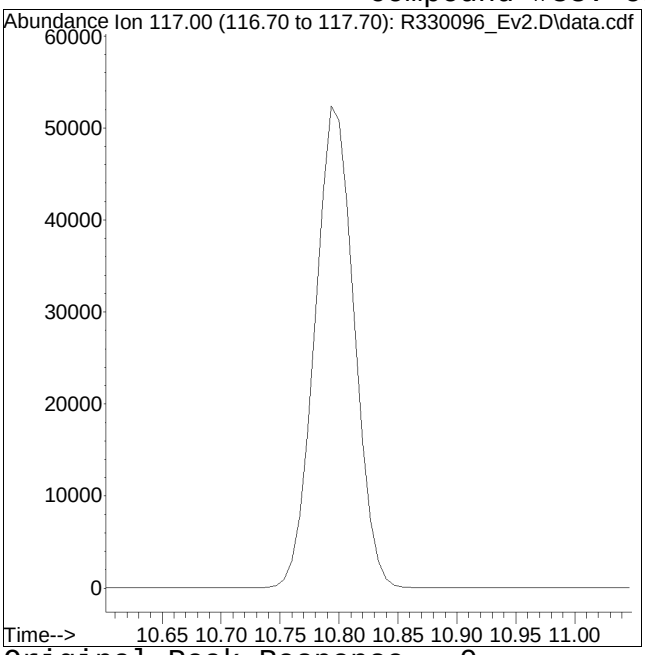
M4 = Poor automated baseline construction.

Manual Integration Report

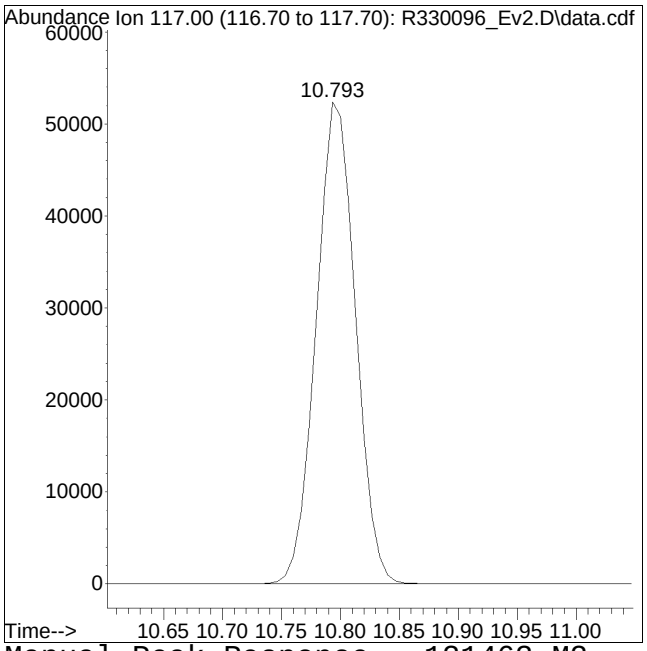
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330096_Ev2.D
Date Inj'd : 4/2/2020 0:7: 2
Sample : ITO15-SIMSTD5.0

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:23 pm

Compound #38: carbon tetrachloride



Original Peak Response = 0



Manual Peak Response = 121463 M2

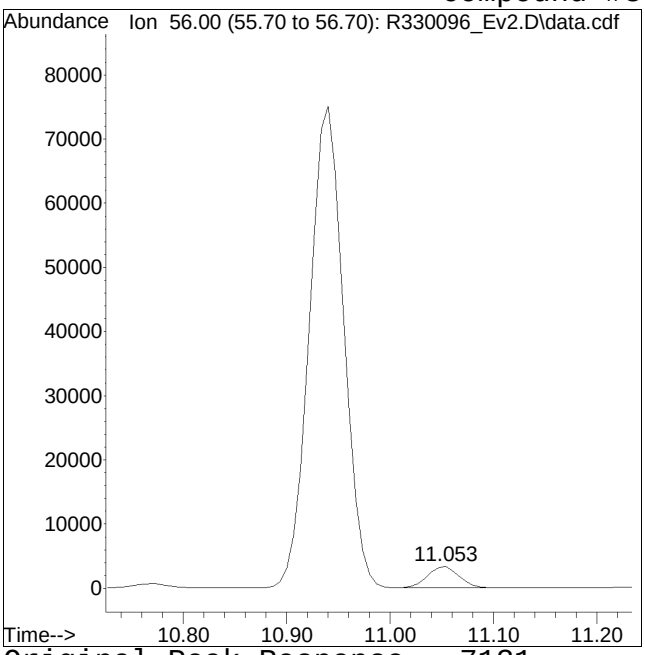
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

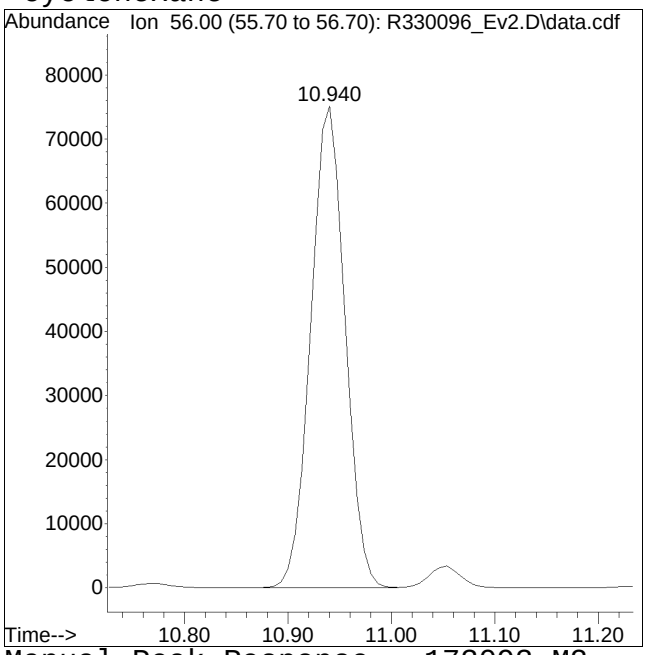
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330096_Ev2.D
Date Inj'd : 4/2/2020 0:7: 2
Sample : ITO15-SIMSTD5.0

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:23 pm

Compound #39: cyclohexane



Original Peak Response = 7131



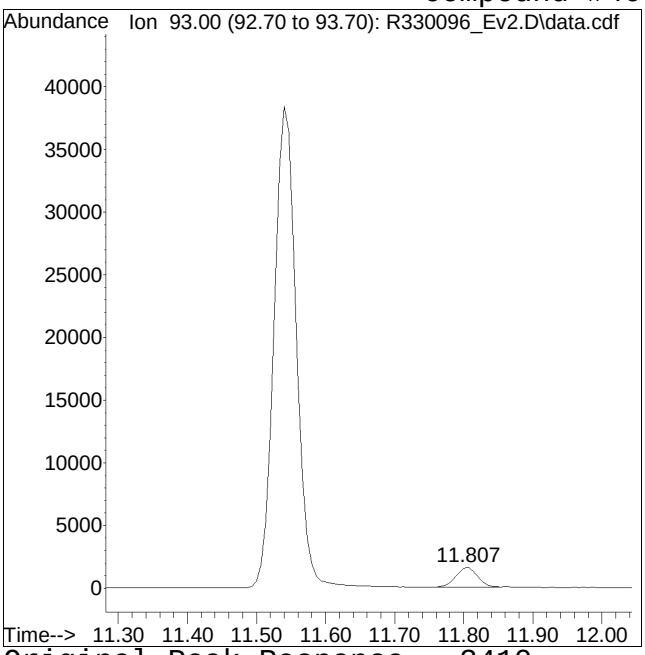
Manual Peak Response = 173093 M2

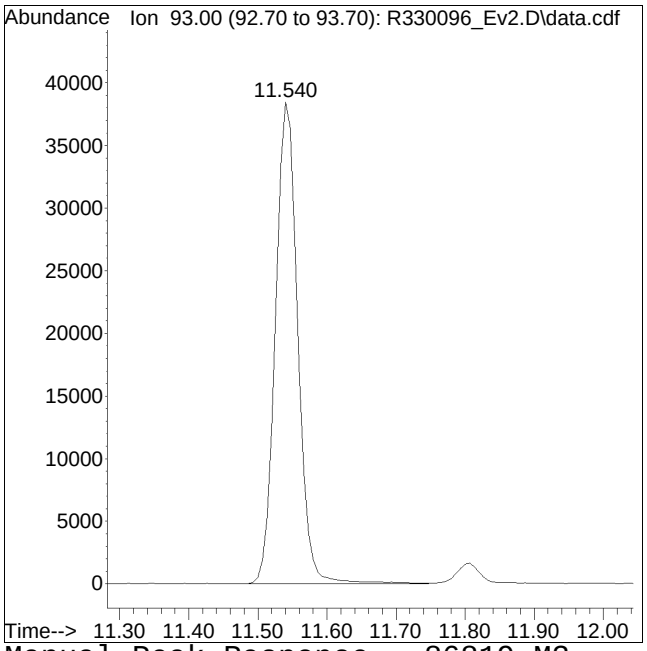
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330096_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/2/2020 0:7: 2 Instrument :
Sample : ITO15-SIMSTD5.0 Quant Date : 4/2/2024 2:23 pm

Compound #40: Dibromomethane





Original Peak Response = 3410 Manual Peak Response = 86819 M3

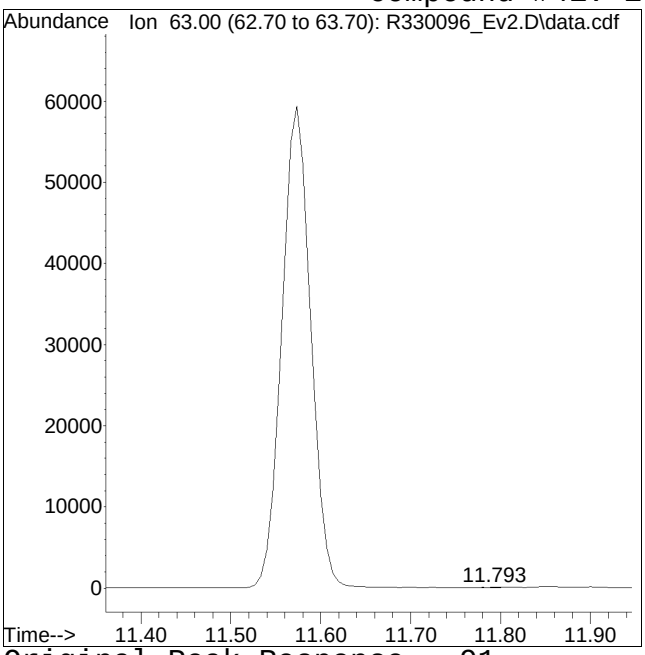
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

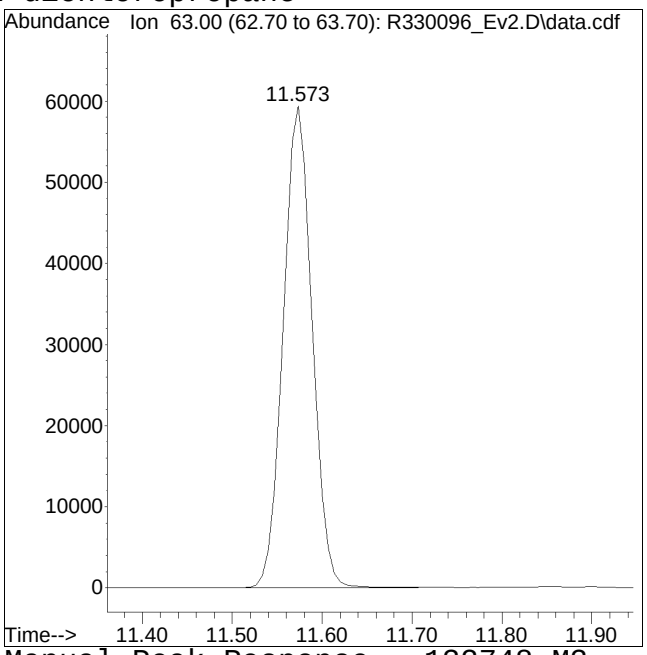
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330096_Ev2.D
Date Inj'd : 4/2/2020 0:7: 2
Sample : ITO15-SIMSTD5.0

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:23 pm

Compound #41: 1,2-dichloropropane



Original Peak Response = 91



Manual Peak Response = 132748 M3

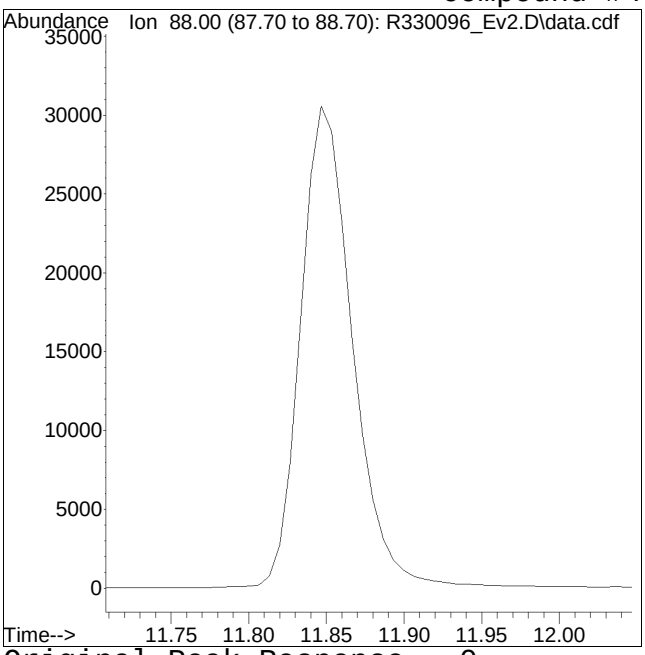
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

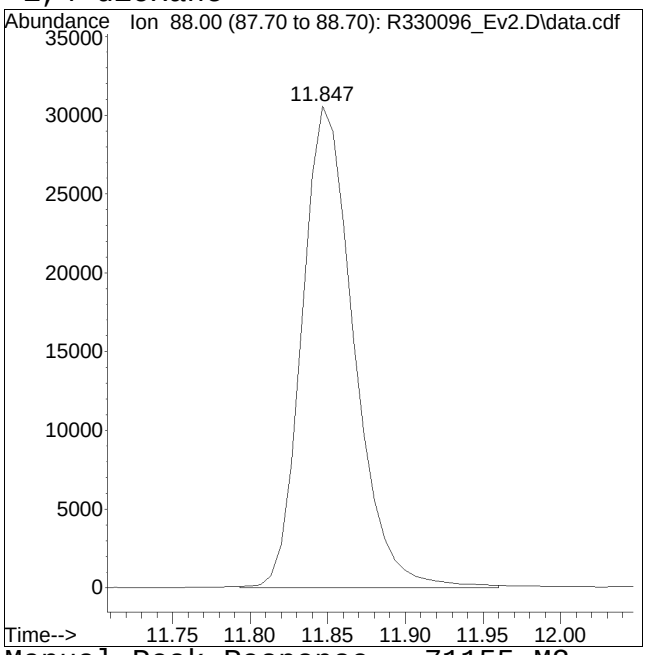
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330096_Ev2.D
Date Inj'd : 4/2/2020 0:7: 2
Sample : ITO15-SIMSTD5.0

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:23 pm

Compound #43: 1,4-dioxane



Original Peak Response = 0



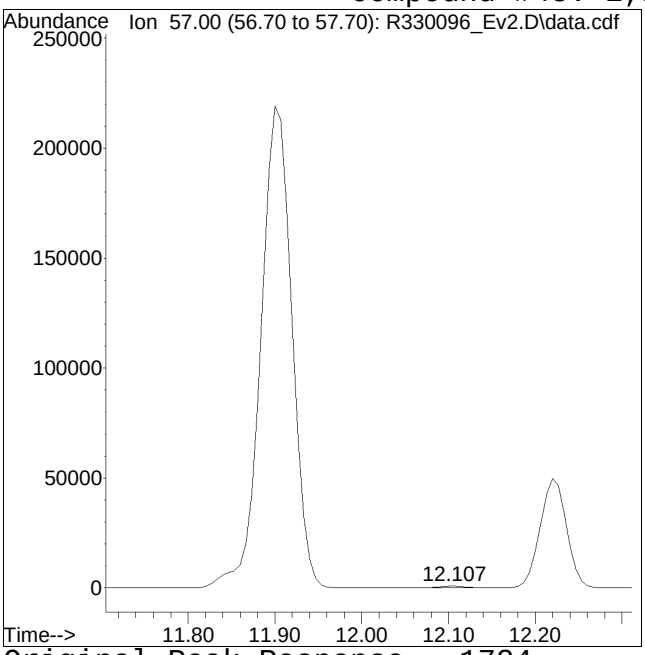
Manual Peak Response = 71155 M2

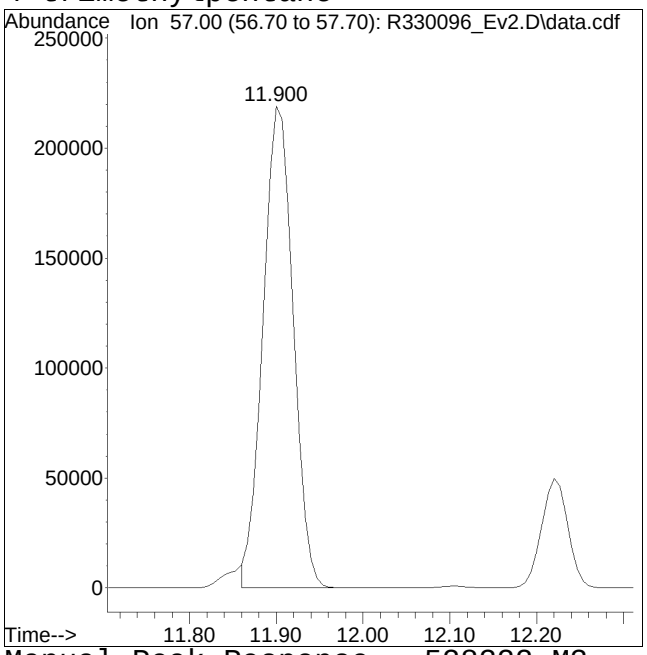
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330096_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/2/2020 0:7: 2 Instrument :
Sample : ITO15-SIMSTD5.0 Quant Date : 4/2/2024 2:23 pm

Compound #45: 2,2,4-trimethylpentane





Original Peak Response = 1724 Manual Peak Response = 528322 M3

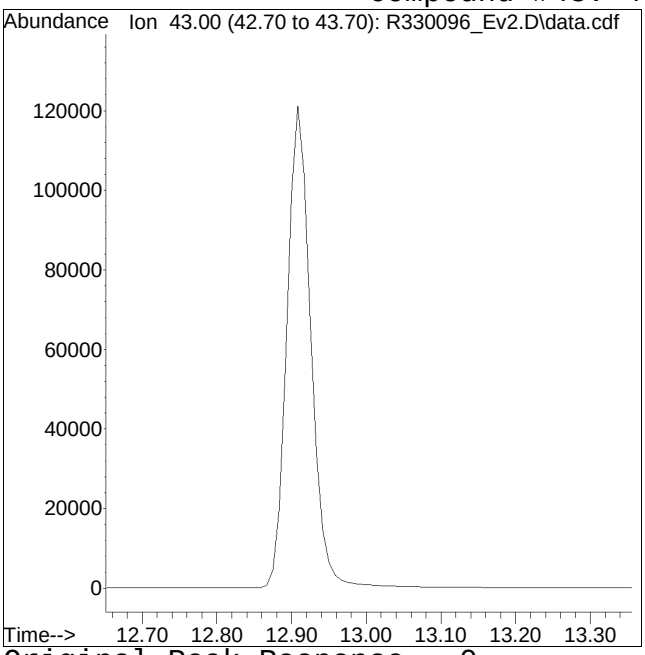
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

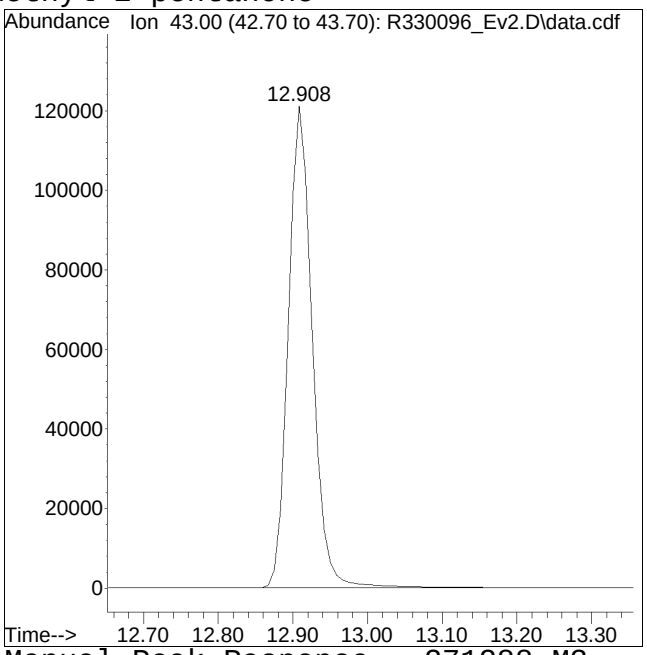
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330096_Ev2.D
Date Inj'd : 4/2/2020 0:7: 2
Sample : ITO15-SIMSTD5.0

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:23 pm

Compound #48: 4-methyl-2-pentanone



Original Peak Response = 0



Manual Peak Response = 271288 M3

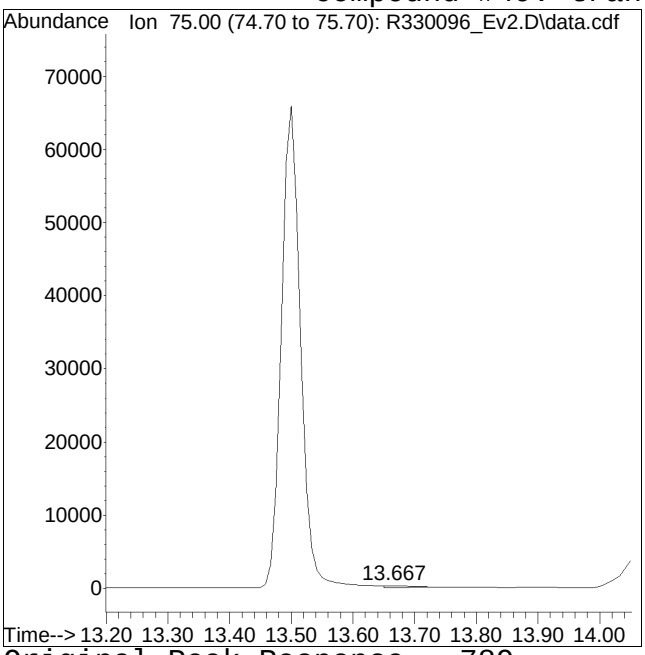
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

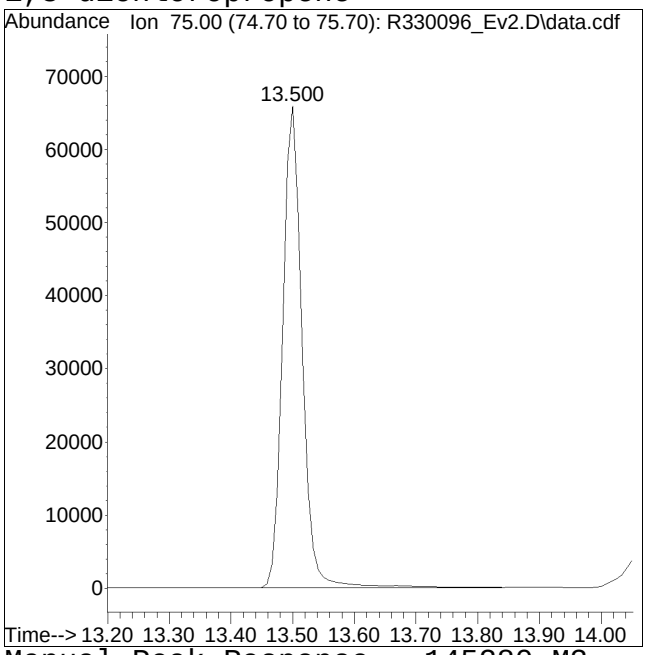
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330096_Ev2.D
Date Inj'd : 4/2/2020 0:7: 2
Sample : ITO15-SIMSTD5.0

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:23 pm

Compound #49: trans-1,3-dichloropropene



Original Peak Response = 789



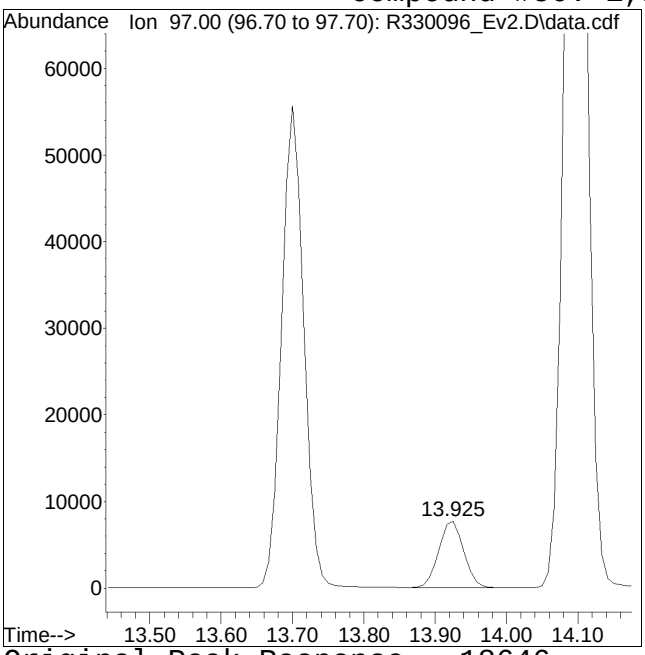
Manual Peak Response = 145280 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

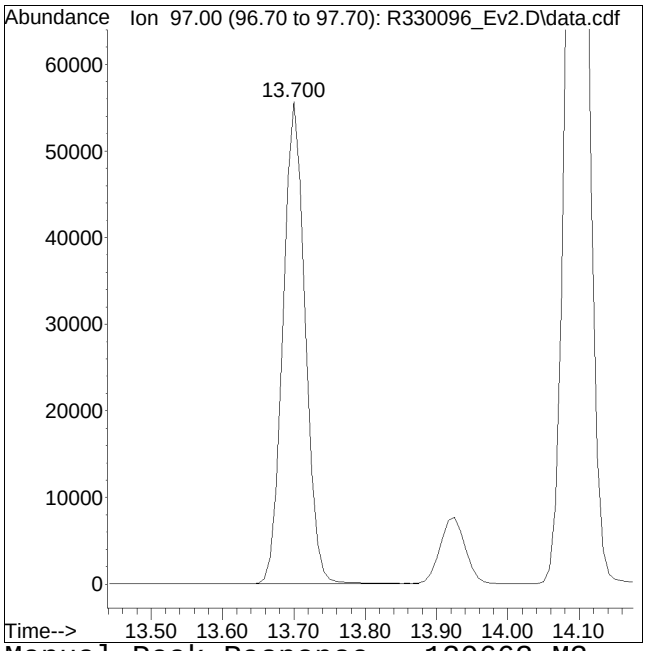
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330096_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/2/2020 0:7: 2 Instrument :
Sample : ITO15-SIMSTD5.0 Quant Date : 4/2/2024 2:23 pm

Compound #50: 1,1,2-trichloroethane



Original Peak Response = 18646



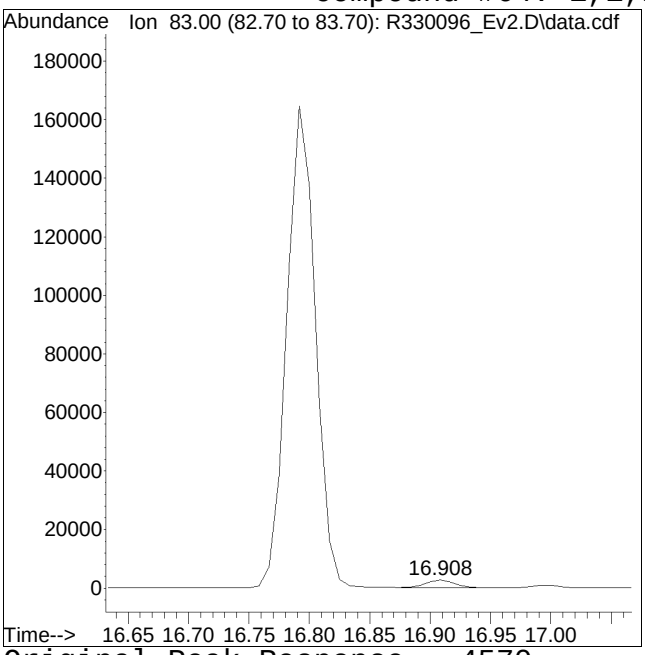
Manual Peak Response = 120663 M3

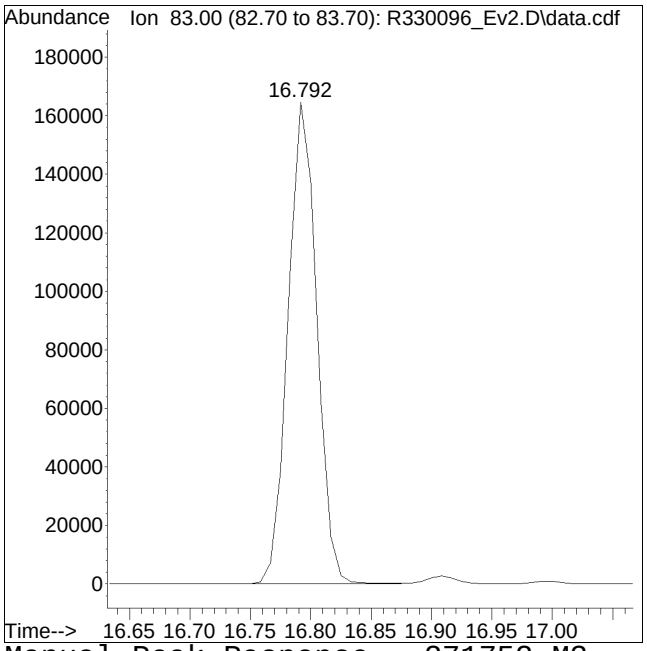
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330096_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/2/2020 0:7: 2 Instrument :
Sample : ITO15-SIMSTD5.0 Quant Date : 4/2/2024 2:23 pm

Compound #64: 1,1,2,2-tetrachloroethane





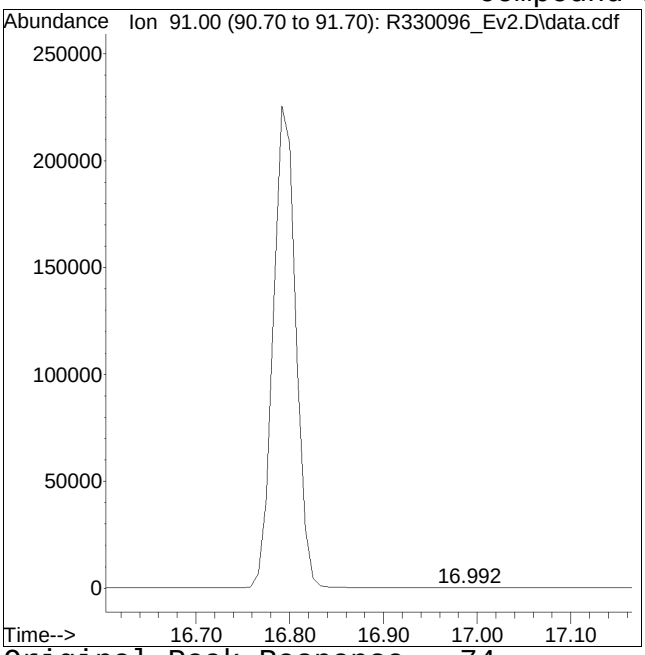
Original Peak Response = 4570 Manual Peak Response = 271752 M3

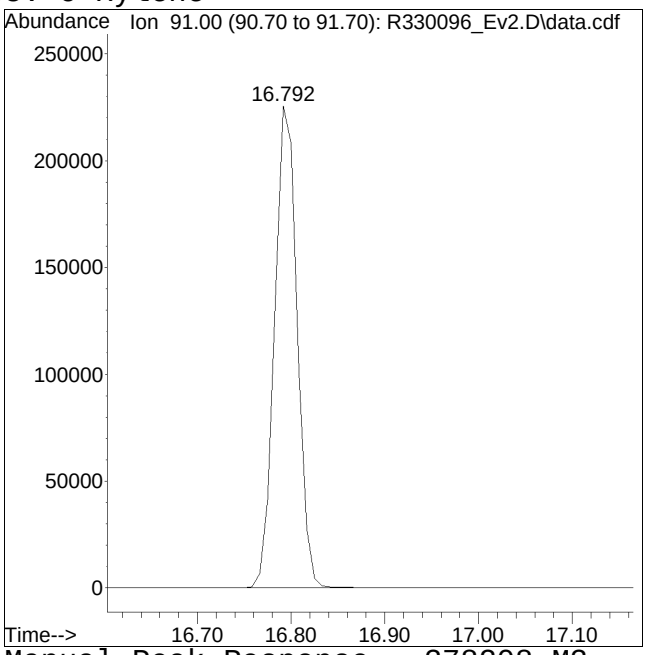
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330096_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/2/2020 0:7: 2 Instrument :
Sample : ITO15-SIMSTD5.0 Quant Date : 4/2/2024 2:23 pm

Compound #65: o-xylene



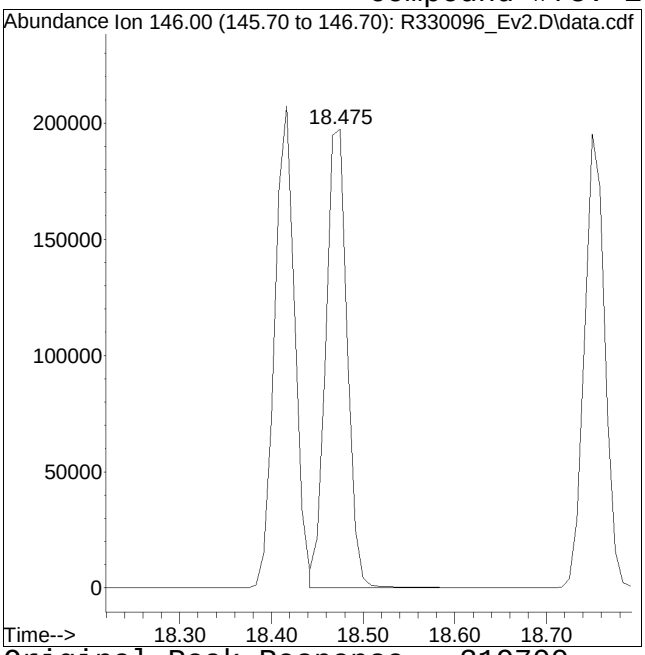


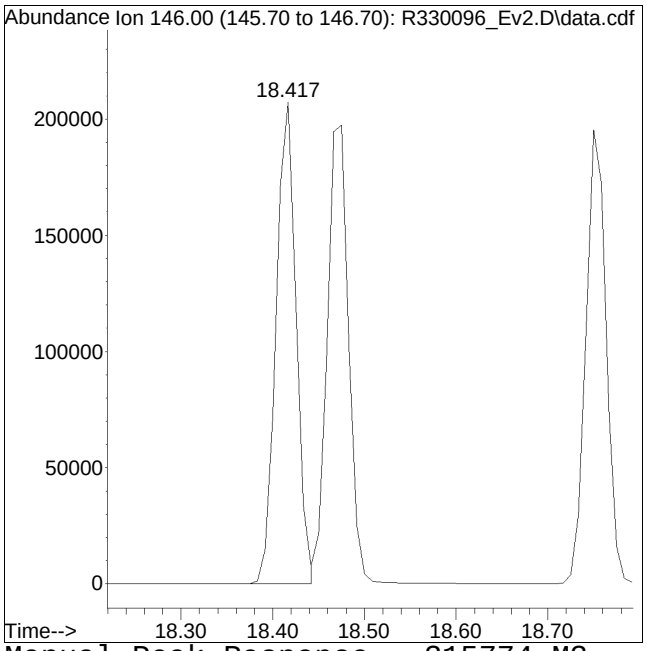
Original Peak Response = 74 Manual Peak Response = 378208 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330096_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/2/2020 0:7: 2 Instrument :
Sample : ITO15-SIMSTD5.0 Quant Date : 4/2/2024 2:23 pm

Compound #75: 1,3-dichlorobenzene



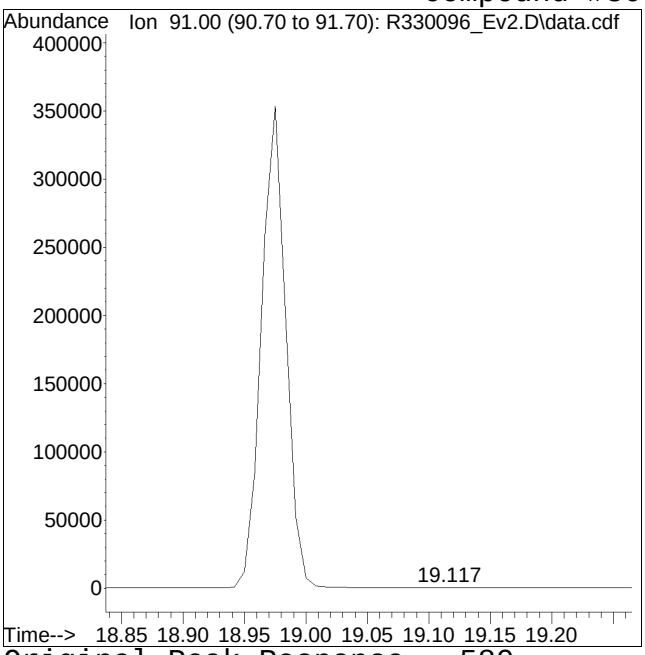


Original Peak Response = 319700 Manual Peak Response = 315774 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

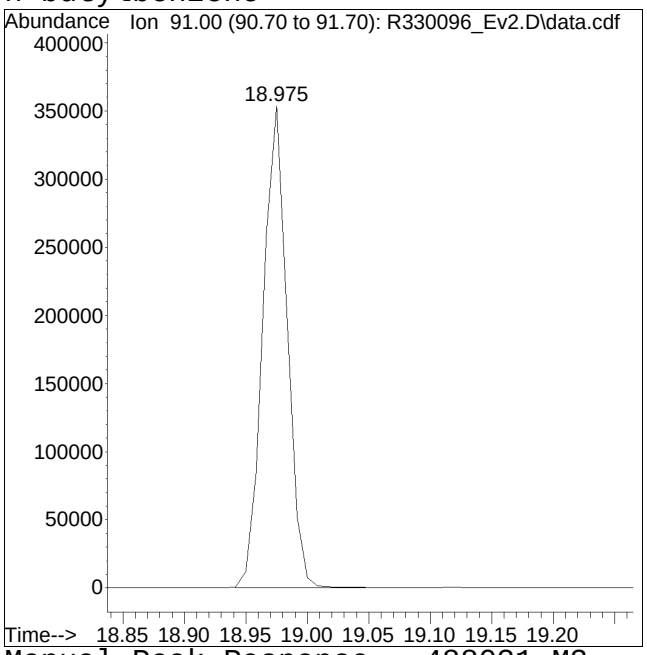
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330096_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/2/2020 0:7: 2 Instrument :
Sample : ITO15-SIMSTD5.0 Quant Date : 4/2/2024 2:23 pm

Compound #80: n-butylbenzene



Original Peak Response = 580



Manual Peak Response = 488031 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330097_Ev2.D
Acq On : 2 Apr 2024 7:44 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD010
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:31:14 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.817	49	202690	10.000	ppbV	0.00
33) 1,4-difluorobenzene	11.053	114	702670	10.000	ppbV	0.00
51) chlorobenzene-D5	15.808	54	85415	10.000	ppbV	0.00
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.683	65	158076	9.819	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.19%			
53) toluene-D8	13.908	98	583850	10.139	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.39%			
67) bromofluorobenzene	17.200	95	398290	10.187	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.87%			
Target Compounds						Qvalue
2) propylene	3.720	41	178322M6	9.166	ppbV	
3) dichlorodifluoromethane	3.792	85	268632	9.516	ppbV	100
4) chloromethane	3.948	50	135866	9.658	ppbV	100
5) Freon-114	4.050	85	324886	9.473	ppbV	99
6) vinyl chloride	4.164	62	153476	9.624	ppbV	100
7) 1,3-butadiene	4.302	54	117378	9.700	ppbV	97
8) bromomethane	4.578	94	113678	9.613	ppbV	98
9) chloroethane	4.758	64	78131	9.602	ppbV	100
10) ethanol	4.878	31	437829	46.554	ppbV	98
11) vinyl bromide	5.150	106	6810	5.969	ppbV	98
12) acrolein	5.250	56	83711	9.854	ppbV	99
13) acetone	5.383	43	1292397	47.800	ppbV	100
14) trichlorofluoromethane	5.580	101	276455	9.571	ppbV	100
15) isopropyl alcohol	5.660	45	834285	24.360	ppbV	100
16) acrylonitrile	5.897	53	143841	9.921	ppbV	99
17) 1,1-dichloroethene	6.268	61	263469	9.509	ppbV	99
18) tertiary butyl alcohol	6.310	59	353381	9.814	ppbV	99
19) methylene chloride	6.412	49	192379	9.816	ppbV	100
20) 3-chloropropene	6.538	41	313178	9.866	ppbV	99
21) carbon disulfide	6.706	76	629064	9.714	ppbV	99
22) Freon 113	6.712	101	320685	9.633	ppbV	100
23) trans-1,2-dichloroethene	7.450	61	278013	9.695	ppbV	94
24) 1,1-dichloroethane	7.675	63	363510	9.693	ppbV	100
25) MTBE	7.742	73	542651	9.722	ppbV	99
26) vinyl acetate	7.867	43	436726	9.957	ppbV	99
27) 2-butanone	8.117	43	448453	9.847	ppbV	98
28) cis-1,2-dichloroethene	8.625	61	261069	9.714	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330097_Ev2.D
Acq On : 2 Apr 2024 7:44 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD010
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:31:14 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) Ethyl Acetate	8.900	61	72675	9.888	ppbV		91
30) chloroform	8.967	83	305266	9.685	ppbV		100
31) Tetrahydrofuran	9.400	42	291939	9.900	ppbV		98
32) 1,2-dichloroethane	9.800	62	195295	9.588	ppbV		99
34) hexane	8.883	57	325661	9.711	ppbV		91
36) 1,1,1-trichloroethane	10.092	97	260887	9.753	ppbV		99
37) benzene	10.620	78	728416	9.861	ppbV		100
38) carbon tetrachloride	10.793	117	242984	9.814	ppbV		100
39) cyclohexane	10.940	56	346591	9.823	ppbV		100
40) Dibromomethane	11.540	93	172308	9.736	ppbV	#	52
41) 1,2-dichloropropane	11.573	63	262870	9.714	ppbV		100
42) bromodichloromethane	11.807	83	317638	9.886	ppbV		100
43) 1,4-dioxane	11.847	88	142226	9.805	ppbV		96
44) trichloroethene	11.853	130	259826	9.847	ppbV		98
45) 2,2,4-trimethylpentane	11.900	57	1057306	9.817	ppbV		100
46) heptane	12.220	43	473868	9.891	ppbV		100
47) cis-1,3-dichloropropene	12.867	75	377419	10.026	ppbV		99
48) 4-methyl-2-pentanone	12.908	43	546567	9.883	ppbV		100
49) trans-1,3-dichloropropene	13.500	75	292748	9.885	ppbV		99
50) 1,1,2-trichloroethane	13.700	97	241245	9.808	ppbV		99
52) toluene	14.025	91	732084	9.834	ppbV		100
54) 2-hexanone	14.317	43	513090	10.015	ppbV		100
55) dibromochloromethane	14.483	129	299338	10.048	ppbV		100
56) 1,2-dibromoethane	14.733	107	366722	9.827	ppbV		100
57) tetrachloroethene	15.208	166	324271	9.723	ppbV		98
58) 1,1,1,2-tetrachloroethane	15.842	131	239064	9.947	ppbV		99
59) chlorobenzene	15.850	112	637013	9.825	ppbV		100
60) ethylbenzene	16.208	91	922063	9.780	ppbV		100
61) m+p-xylene	16.375	91	1490304	19.611	ppbV		100
62) bromoform	16.442	173	300546	10.121	ppbV		100
63) styrene	16.700	104	690818	9.878	ppbV		99
64) 1,1,2,2-tetrachloroethane	16.792	83	545797	9.919	ppbV		100
65) o-xylene	16.792	91	748740	9.777	ppbV		99
66) 1,2,3-Trichloropropane	16.908	75	460210	9.888	ppbV		100
68) isopropylbenzene	17.308	105	1039543	9.744	ppbV		99
69) Bromobenzene	17.383	77	599123	9.880	ppbV		100
70) 4-ethyl toluene	17.875	105	1112285	9.720	ppbV		98
71) 1,3,5-trimethylbenzene	17.933	105	948854	9.591	ppbV		98
72) tert-butylbenzene	18.275	119	935838	9.608	ppbV		99
73) 1,2,4-trimethylbenzene	18.283	105	933801	9.518	ppbV		98
74) Benzyl Chloride	18.400	91	631984	10.388	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330097_Ev2.D
Acq On : 2 Apr 2024 7:44 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD010
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:31:14 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

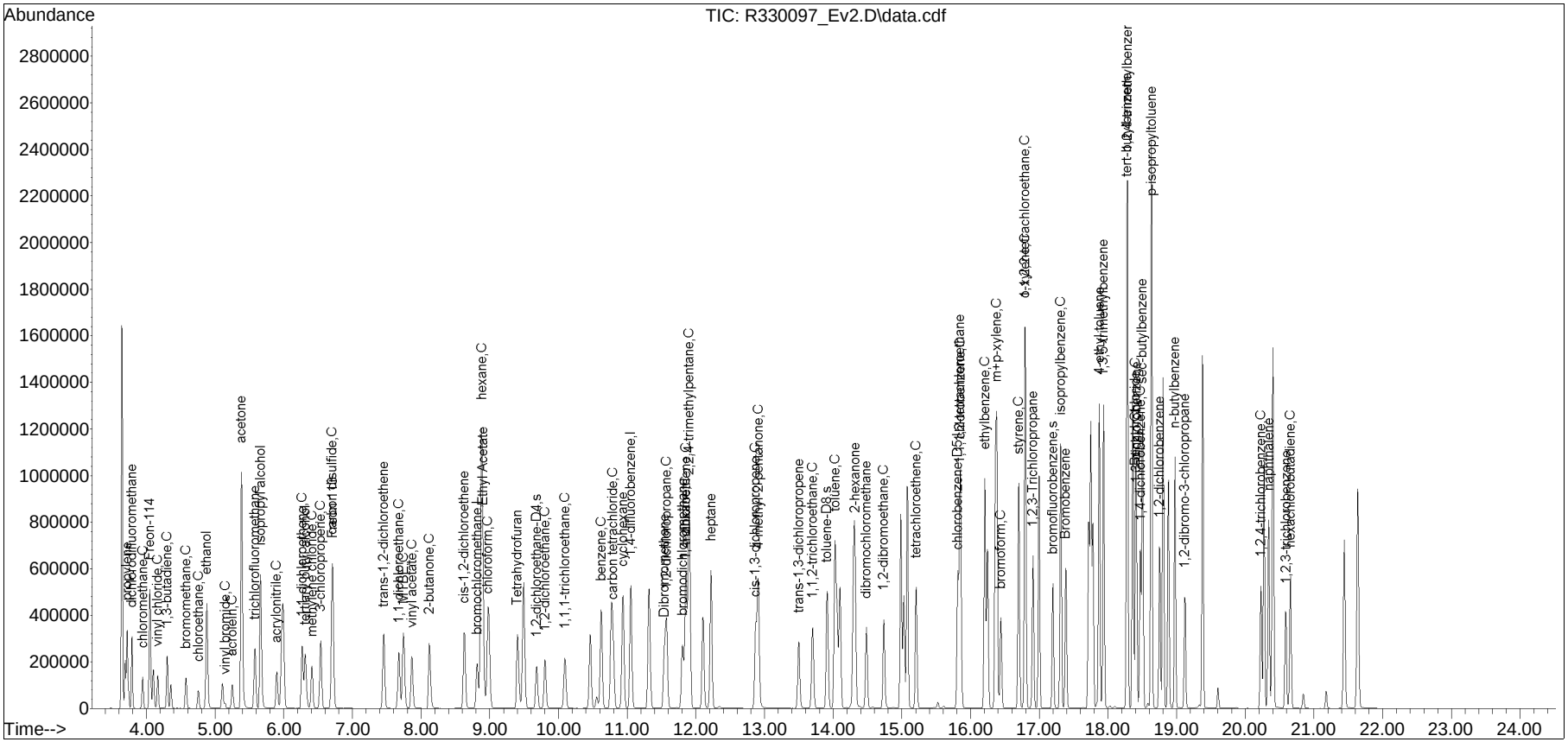
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 1,3-dichlorobenzene	18.417	146	622431	9.735	ppbV	100
76) 1,4-dichlorobenzene	18.475	146	628898	9.715	ppbV	99
77) sec-butylbenzene	18.500	105	1320398	9.641	ppbV	99
78) p-isopropyltoluene	18.633	119	1109597	9.591	ppbV	97
79) 1,2-dichlorobenzene	18.750	146	597264	9.797	ppbV	100
80) n-butylbenzene	18.975	91	968247	9.799	ppbV	100
81) 1,2-dibromo-3-chloropr...	19.117	75	259388	9.944	ppbV	99
82) 1,2,4-trichlorobenzene	20.225	180	549890	10.024	ppbV	100
83) naphthalene	20.342	128	1193360	9.935	ppbV	100
84) 1,2,3-trichlorobenzene	20.592	180	470848	9.898	ppbV	97
85) hexachlorobutadiene	20.658	225	494764	9.659	ppbV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-ICV-AP2 - All compounds listedd)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330097_Ev2.D
Acq On : 2 Apr 2024 7:44 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD010
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:31:14 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

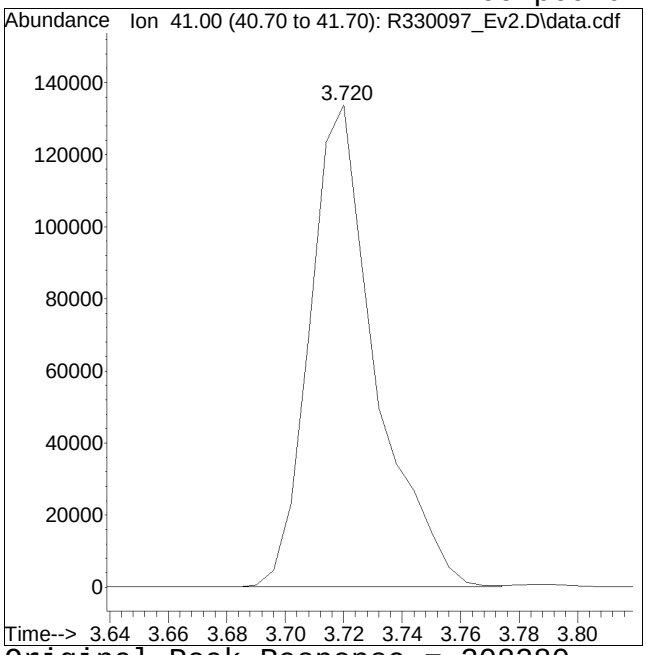


Manual Integration Report

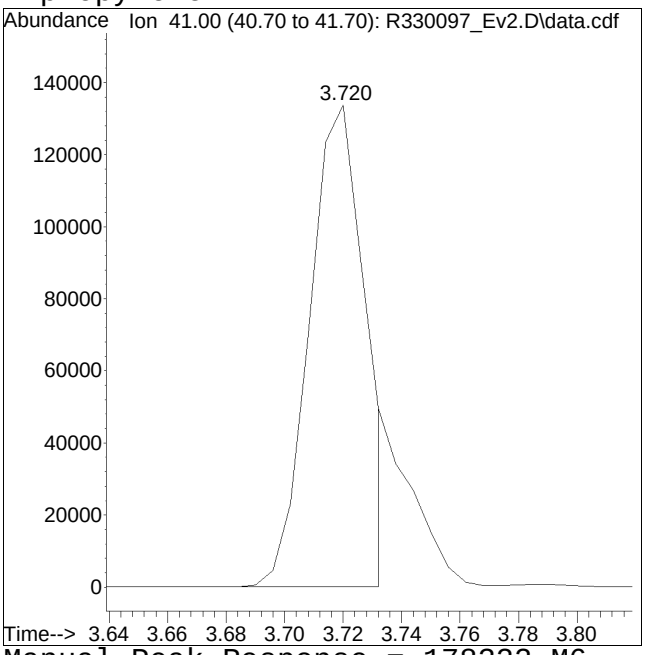
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330097_Ev2.D
Date Inj'd : 4/2/2020 0:7: 4
Sample : ITO15-SIMSTD010

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:31 pm

Compound #2: propylene



Original Peak Response = 208280



Manual Peak Response = 178322 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330098_Ev2.D
Acq On : 2 Apr 2024 8:23 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD020
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:31:19 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.817	49	206163	10.000	ppbV	0.00
33) 1,4-difluorobenzene	11.053	114	709602	10.000	ppbV	0.00
51) chlorobenzene-D5	15.808	54	84903	10.000	ppbV	0.00
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.683	65	156656	9.636	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.36%			
53) toluene-D8	13.908	98	586056	10.238	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.38%			
67) bromofluorobenzene	17.200	95	400736	10.312	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.12%			
Target Compounds						Qvalue
2) propylene	3.714	41	254539M6	12.863	ppbV	
3) dichlorodifluoromethane	3.786	85	394177	13.728	ppbV	99
4) chloromethane	3.942	50	205941	14.393	ppbV	99
5) Freon-114	4.050	85	479848	13.756	ppbV	98
6) vinyl chloride	4.164	62	231103	14.247	ppbV	99
7) 1,3-butadiene	4.302	54	179522	14.585	ppbV	95
8) bromomethane	4.572	94	171842	14.287	ppbV	100
9) chloroethane	4.752	64	118205	14.283	ppbV	98
10) ethanol	4.878	31	675981	70.666	ppbV	97
11) vinyl bromide	5.150	106	11997	10.338	ppbV	99
12) acrolein	5.250	56	130562	15.111	ppbV	99
13) acetone	5.383	43	1949555	70.890	ppbV	98
14) trichlorofluoromethane	5.580	101	407317	13.864	ppbV	100
15) isopropyl alcohol	5.660	45	1307103	37.522	ppbV	100
16) acrylonitrile	5.897	53	225534	15.294	ppbV	99
17) 1,1-dichloroethene	6.268	61	392880	13.940	ppbV	98
18) tertiary butyl alcohol	6.310	59	550843	15.039	ppbV	99
19) methylene chloride	6.412	49	291421	14.619	ppbV	99
20) 3-chloropropene	6.538	41	482683	14.950	ppbV	98
21) carbon disulfide	6.706	76	954919	14.498	ppbV	99
22) Freon 113	6.712	101	479892	14.172	ppbV	100
23) trans-1,2-dichloroethene	7.450	61	422280	14.477	ppbV	95
24) 1,1-dichloroethane	7.675	63	546077	14.316	ppbV	100
25) MTBE	7.742	73	829241	14.606	ppbV	98
26) vinyl acetate	7.867	43	689325	15.452	ppbV	99
27) 2-butanone	8.117	43	693871	14.979	ppbV	98
28) cis-1,2-dichloroethene	8.625	61	392473	14.357	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330098_Ev2.D
Acq On : 2 Apr 2024 8:23 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD020
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:31:19 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) Ethyl Acetate	8.900	61	111827	14.959	ppbV		90
30) chloroform	8.975	83	457276	14.264	ppbV		98
31) Tetrahydrofuran	9.400	42	450802	15.030	ppbV		100
32) 1,2-dichloroethane	9.800	62	289592	13.977	ppbV		98
34) hexane	8.883	57	494465	14.600	ppbV		87
36) 1,1,1-trichloroethane	10.092	97	389525	14.420	ppbV		99
37) benzene	10.620	78	1108567	14.861	ppbV		100
38) carbon tetrachloride	10.793	117	363298	14.530	ppbV		100
39) cyclohexane	10.940	56	529575	14.862	ppbV		100
40) Dibromomethane	11.540	93	265288	14.843	ppbV	#	52
41) 1,2-dichloropropane	11.573	63	396046	14.493	ppbV		99
42) bromodichloromethane	11.800	83	485754	14.971	ppbV		99
43) 1,4-dioxane	11.840	88	226292	15.449	ppbV		96
44) trichloroethene	11.853	130	393964	14.785	ppbV		99
45) 2,2,4-trimethylpentane	11.900	57	1588367	14.604	ppbV		99
46) heptane	12.220	43	728872	15.066	ppbV		99
47) cis-1,3-dichloropropene	12.867	75	577416	15.190	ppbV		99
48) 4-methyl-2-pentanone	12.908	43	840045	15.042	ppbV		99
49) trans-1,3-dichloropropene	13.500	75	451849	15.108	ppbV		99
50) 1,1,2-trichloroethane	13.700	97	363597	14.638	ppbV		98
52) toluene	14.025	91	1100866	14.877	ppbV		100
54) 2-hexanone	14.317	43	782120	15.358	ppbV		99
55) dibromochloromethane	14.483	129	455752	15.391	ppbV		98
56) 1,2-dibromoethane	14.733	107	551451	14.867	ppbV		99
57) tetrachloroethene	15.208	166	481628	14.529	ppbV		98
58) 1,1,1,2-tetrachloroethane	15.842	131	363876	15.231	ppbV		99
59) chlorobenzene	15.858	112	944938	14.662	ppbV		95
60) ethylbenzene	16.208	91	1379494	14.720	ppbV		99
61) m+p-xylene	16.367	91	2212399	29.289	ppbV		99
62) bromoform	16.442	173	456289	15.459	ppbV		99
63) styrene	16.700	104	1037702	14.928	ppbV		99
64) 1,1,2,2-tetrachloroethane	16.792	83	816480	14.928	ppbV		99
65) o-xylene	16.792	91	1102128	14.479	ppbV		98
66) 1,2,3-Trichloropropane	16.908	75	707906	15.301	ppbV		99
68) isopropylbenzene	17.308	105	1548961	14.606	ppbV		97
69) Bromobenzene	17.383	77	915809	15.194	ppbV		100
70) 4-ethyl toluene	17.875	105	1651523	14.520	ppbV		97
71) 1,3,5-trimethylbenzene	17.933	105	1397142	14.208	ppbV		98
72) tert-butylbenzene	18.275	119	1366038	14.109	ppbV		96
73) 1,2,4-trimethylbenzene	18.283	105	1342183	13.763	ppbV		96
74) Benzyl Chloride	18.400	91	985883	16.303	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330098_Ev2.D
Acq On : 2 Apr 2024 8:23 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD020
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:31:19 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

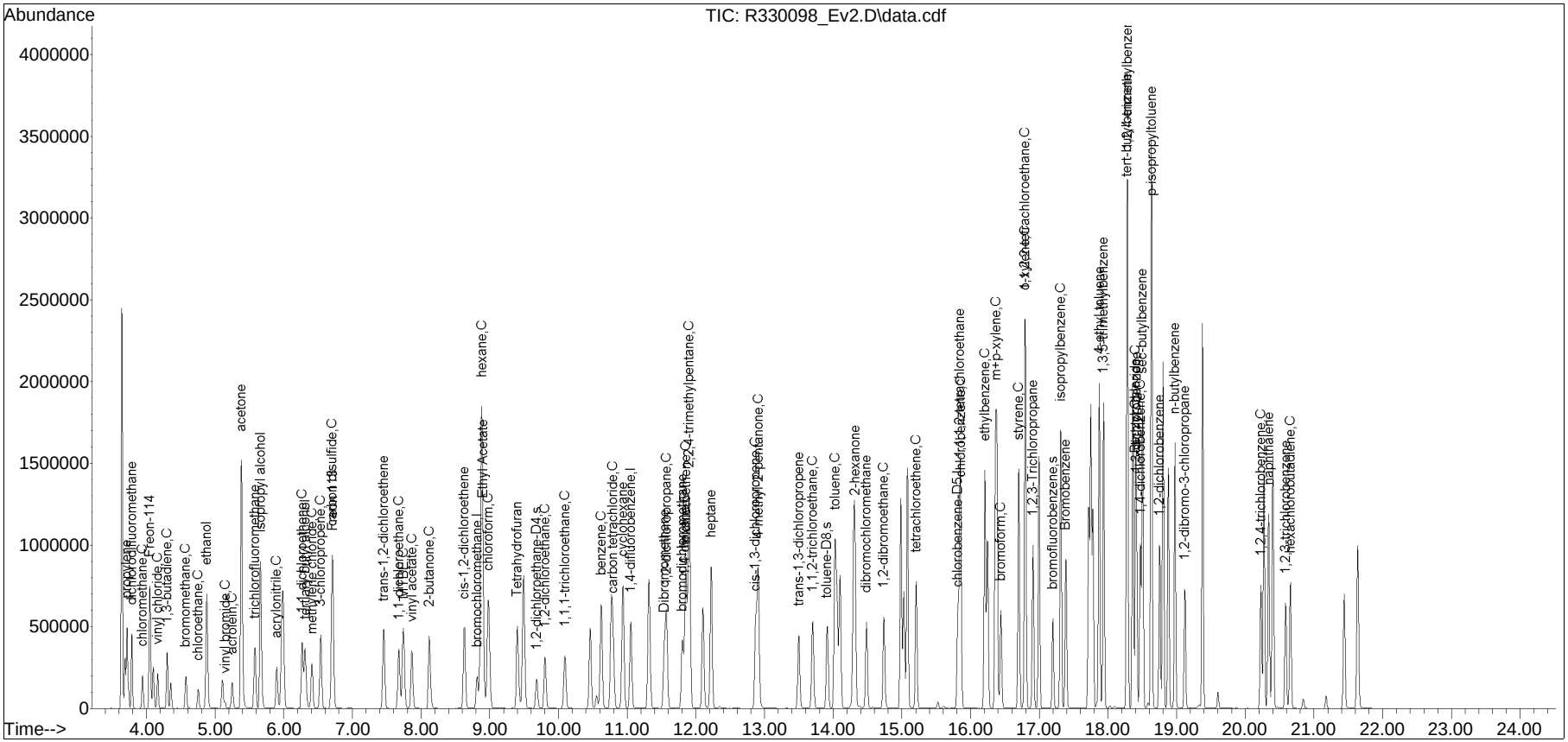
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 1,3-dichlorobenzene	18.417	146	918736	14.456	ppbV	99
76) 1,4-dichlorobenzene	18.475	146	921390	14.320	ppbV	99
77) sec-butylbenzene	18.500	105	1969473	14.468	ppbV	97
78) p-isopropyltoluene	18.633	119	1612767	14.025	ppbV	95
79) 1,2-dichlorobenzene	18.750	146	879497	14.514	ppbV	100
80) n-butylbenzene	18.975	91	1458422	14.848	ppbV	98
81) 1,2-dibromo-3-chloropr...	19.117	75	394796	15.227	ppbV	98
82) 1,2,4-trichlorobenzene	20.225	180	793455	14.550	ppbV	99
83) naphthalene	20.342	128	1801427	15.088	ppbV	100
84) 1,2,3-trichlorobenzene	20.583	180	717738	15.179	ppbV	99
85) hexachlorobutadiene	20.658	225	701950	13.786	ppbV	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-ICV-AP2 - All compounds listedd)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330098_Ev2.D
Acq On : 2 Apr 2024 8:23 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD020
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:31:19 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

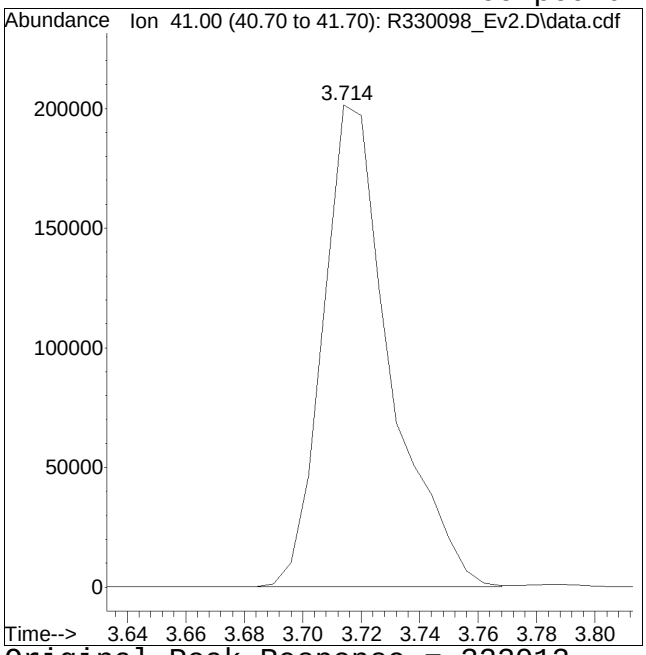


Manual Integration Report

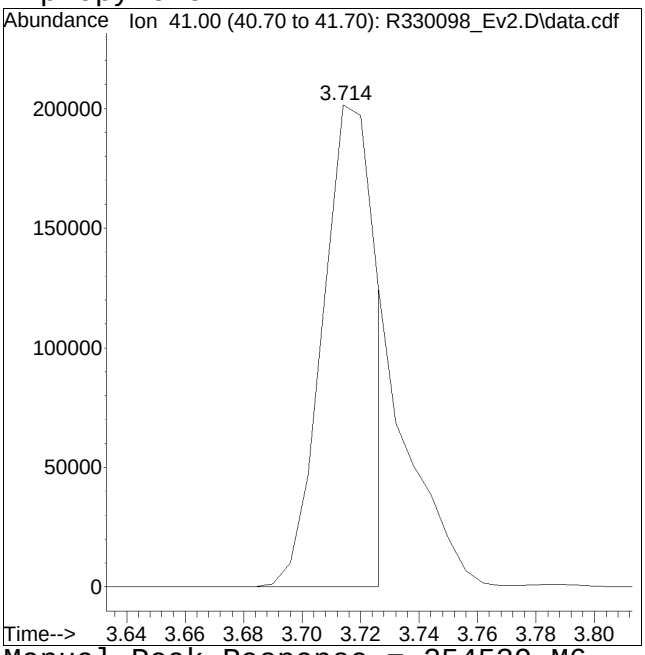
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Data File : R330098_Ev2.D
Date Inj'd : 4/2/2020 0:8: 3
Sample : ITO15-SIMSTD020

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:31 pm

Compound #2: propylene



Original Peak Response = 322012



Manual Peak Response = 254539 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330099_Ev2.D
Acq On : 2 Apr 2024 9:04 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD050
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:31:24 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.817	49	217272	10.000	ppbV	0.00
33) 1,4-difluorobenzene	11.053	114	732921	10.000	ppbV	0.00
51) chlorobenzene-D5	15.808	54	85829	10.000	ppbV	0.00
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.683	65	153006	9.112	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.12%			
53) toluene-D8	13.917	98	596020	10.300	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.00%			
67) bromofluorobenzene	17.200	95	411082	10.464	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.64%			
Target Compounds						Qvalue
2) propylene	3.720	41	687187M6	32.952	ppbV	
3) dichlorodifluoromethane	3.792	85	950515	31.411	ppbV	99
4) chloromethane	3.948	50	511046	33.889	ppbV	99
5) Freon-114	4.050	85	1087262	29.575	ppbV	99
6) vinyl chloride	4.164	62	566748	33.154	ppbV	99
7) 1,3-butadiene	4.302	54	444691	34.282	ppbV	94
8) bromomethane	4.578	94	419906	33.126	ppbV	99
9) chloroethane	4.758	64	292737	33.563	ppbV	100
10) ethanol	4.890	31	1583952	157.118	ppbV	92
11) vinyl bromide	5.150	106	37644	30.781	ppbV	100
12) acrolein	5.250	56	330273	36.270	ppbV	99
13) acetone	5.387	43	4523189	156.063	ppbV	95
14) trichlorofluoromethane	5.580	101	979440	31.633	ppbV	100
15) isopropyl alcohol	5.667	45	3208726	87.402	ppbV	100
16) acrylonitrile	5.900	53	575653	37.040	ppbV	100
17) 1,1-dichloroethene	6.268	61	965291	32.500	ppbV	97
18) tertiary butyl alcohol	6.316	59	1365992	35.388	ppbV	99
19) methylene chloride	6.412	49	732519	34.868	ppbV	100
20) 3-chloropropene	6.538	41	1217651	35.786	ppbV	97
21) carbon disulfide	6.706	76	2243078	32.314	ppbV	99
22) Freon 113	6.712	101	1148271	32.176	ppbV	99
23) trans-1,2-dichloroethene	7.458	61	1033793	33.630	ppbV	97
24) 1,1-dichloroethane	7.675	63	1346351	33.492	ppbV	100
25) MTBE	7.742	73	2030263	33.932	ppbV	98
26) vinyl acetate	7.867	43	1780572	37.872	ppbV	99
27) 2-butanone	8.117	43	1750218	35.852	ppbV	99
28) cis-1,2-dichloroethene	8.633	61	961927	33.389	ppbV	92

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330099_Ev2.D
Acq On : 2 Apr 2024 9:04 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD050
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:31:24 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) Ethyl Acetate	8.900	61	275779	35.003	ppbV		97
30) chloroform	8.975	83	1099002	32.529	ppbV		99
31) Tetrahydrofuran	9.400	42	1145573	36.240	ppbV		100
32) 1,2-dichloroethane	9.808	62	695344	31.845	ppbV		96
34) hexane	8.883	57	1178140	33.680	ppbV		95
36) 1,1,1-trichloroethane	10.100	97	942611	33.785	ppbV		96
37) benzene	10.627	78	2707435	35.141	ppbV		99
38) carbon tetrachloride	10.800	117	866022	33.533	ppbV		99
39) cyclohexane	10.940	56	1323272	35.955	ppbV		99
40) Dibromomethane	11.547	93	653002	35.374	ppbV	#	53
41) 1,2-dichloropropane	11.573	63	965795	34.217	ppbV		98
42) bromodichloromethane	11.807	83	1184420	35.343	ppbV		100
43) 1,4-dioxane	11.840	88	571856	37.798	ppbV		94
44) trichloroethene	11.860	130	967212	35.144	ppbV		99
45) 2,2,4-trimethylpentane	11.907	57	3849154	34.265	ppbV		99
46) heptane	12.227	43	1799214	36.006	ppbV		99
47) cis-1,3-dichloropropene	12.875	75	1438556	36.639	ppbV		97
48) 4-methyl-2-pentanone	12.908	43	2094216	36.306	ppbV		99
49) trans-1,3-dichloropropene	13.500	75	1134585	36.730	ppbV		98
50) 1,1,2-trichloroethane	13.700	97	903557	35.219	ppbV		96
52) toluene	14.025	91	2655347	35.497	ppbV		99
54) 2-hexanone	14.317	43	1942560	37.734	ppbV		99
55) dibromochloromethane	14.483	129	1098154	36.684	ppbV		98
56) 1,2-dibromoethane	14.742	107	1311923	34.987	ppbV		99
57) tetrachloroethene	15.208	166	1083619	32.336	ppbV		91
58) 1,1,1,2-tetrachloroethane	15.842	131	855461	35.422	ppbV		99
59) chlorobenzene	15.858	112	2152928	33.046	ppbV		98
60) ethylbenzene	16.208	91	3291352	34.741	ppbV		99
61) m+p-xylene	16.383	91	5140564	67.320	ppbV		98
62) bromoform	16.442	173	1046514	35.073	ppbV		97
63) styrene	16.700	104	2466115	35.095	ppbV		98
64) 1,1,2,2-tetrachloroethane	16.792	83	1891763	34.215	ppbV		99
65) o-xylene	16.800	91	2480983	32.242	ppbV		100
66) 1,2,3-Trichloropropane	16.908	75	1710481	36.572	ppbV		98
68) isopropylbenzene	17.317	105	3512095	32.761	ppbV		91
69) Bromobenzene	17.392	77	2146052	35.220	ppbV		100
70) 4-ethyl toluene	17.875	105	3706918	32.239	ppbV		94
71) 1,3,5-trimethylbenzene	17.933	105	3108211	31.268	ppbV		95
72) tert-butylbenzene	18.283	119	2729331	27.886	ppbV	#	86
73) 1,2,4-trimethylbenzene	18.283	105	2713212	27.523	ppbV		93
74) Benzyl Chloride	18.400	91	2400603	39.270	ppbV		97

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330099_Ev2.D
Acq On : 2 Apr 2024 9:04 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD050
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:31:24 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

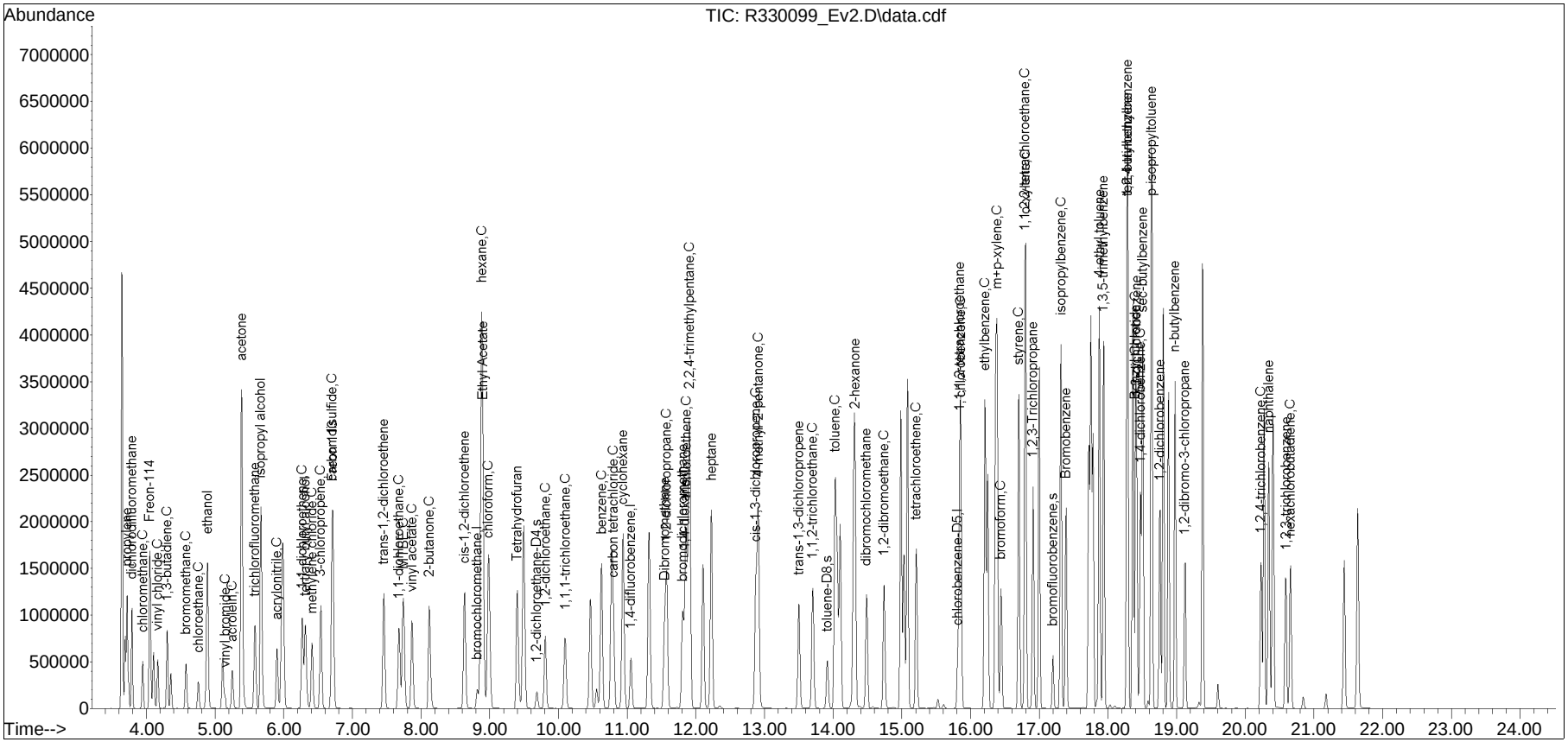
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
75) 1,3-dichlorobenzene	18.417	146	2060760	32.076	ppbV		97
76) 1,4-dichlorobenzene	18.475	146	2117888	32.560	ppbV		97
77) sec-butylbenzene	18.508	105	4278899	31.093	ppbV	#	84
78) p-isopropyltoluene	18.633	119	3145425M3	27.058	ppbV		
79) 1,2-dichlorobenzene	18.758	146	2042817	33.348	ppbV		94
80) n-butylbenzene	18.975	91	3384451	34.085	ppbV		98
81) 1,2-dibromo-3-chloropr...	19.117	75	911557	34.778	ppbV		96
82) 1,2,4-trichlorobenzene	20.225	180	1822813	33.066	ppbV		97
83) naphthalene	20.342	128	4131957	34.233	ppbV		99
84) 1,2,3-trichlorobenzene	20.592	180	1669388	34.923	ppbV		96
85) hexachlorobutadiene	20.658	225	1471867	28.595	ppbV		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-ICV-AP2 - All compounds listedd)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : R330099_Ev2.D
Acq On : 2 Apr 2024 9:04 AM
Operator : AIRPIANO3:BJB
Sample : ITO15-SIMSTD050
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 14:31:24 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 14:27:46 2024
Response via : Initial Calibration

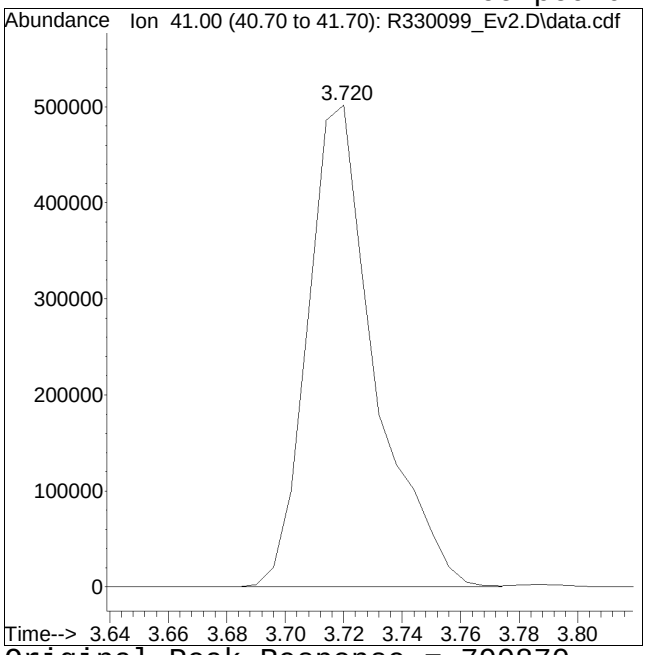


Manual Integration Report

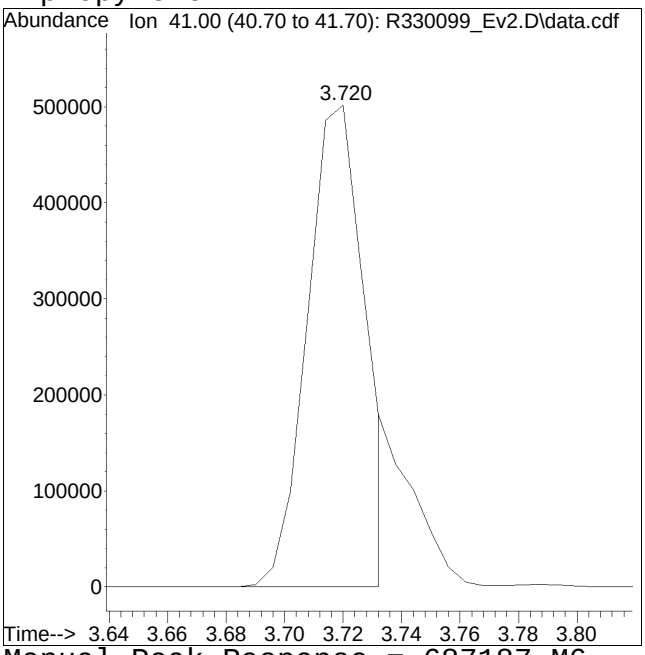
Data Path : O:\Forensics\Data\AirpianoQ
Data File : R330099_Ev2.D
Date Inj'd : 4/2/2020 0:9: 4
Sample : ITO15-SIMSTD050

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 2:31 pm

Compound #2: propylene



Original Peak Response = 799870



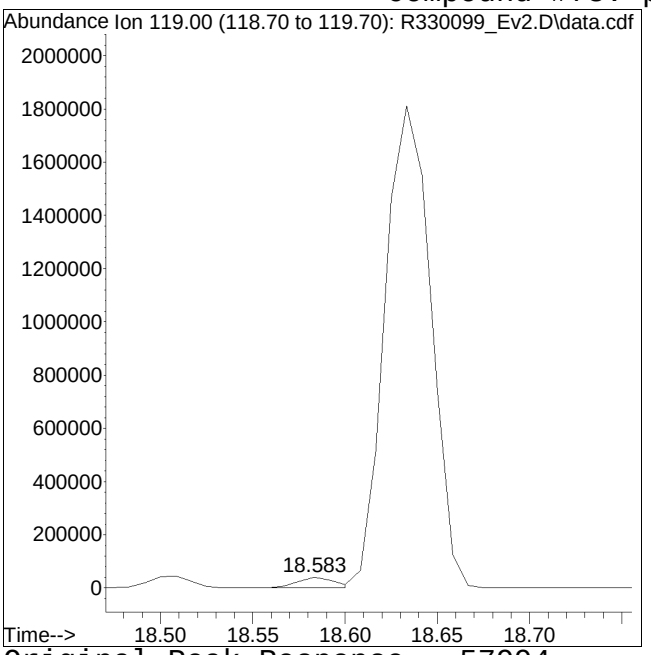
Manual Peak Response = 687187 M6

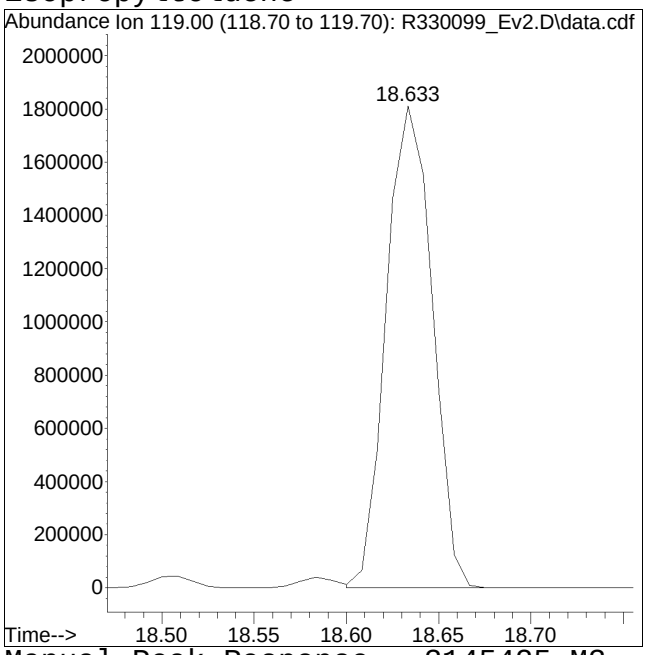
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : R330099_Ev2.D Operator : AIRPIANO3:BJB
Date Inj'd : 4/2/2020 0:9: 4 Instrument :
Sample : ITO15-SIMSTD050 Quant Date : 4/2/2024 2:31 pm

Compound #78: p-isopropyltoluene





Original Peak Response = 57994 Manual Peak Response = 3145425 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : r330104_Ev2.D
Acq On : 2 Apr 2024 1:49 PM
Operator : AIRPIANO3:BJB
Sample : CTO15-SIMSTD5.0
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 15:09:23 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 15:07:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	bromochloromethane	1.000	1.000	0.0	106	0.00
2		propylene	0.927	0.782	15.6	86	0.00
3		dichlorodifluoromethane	1.129	1.062	5.9	81	0.00
4	C	chloromethane	0.578	0.520	10.0	79	0.00
5		Freon-114	1.394	1.411	-1.2	88	0.00
6	C	vinyl chloride	0.658	0.595	9.6	80	0.00
7	C	1,3-butadiene	0.491	0.488	0.6	86	0.00
8	C	bromomethane	0.484	0.468	3.3	85	0.00
9	C	chloroethane	0.340	0.314	7.6	83	0.00
10		ethanol	0.384	0.339	11.7	77	0.00
11	C	vinyl bromide	0.058	0.059	-1.7	111	0.00
12	C	acrolein	0.341	0.317	7.0	80	0.00
13		acetone	1.116	1.059	5.1	84	0.00
14		trichlorofluoromethane	1.173	1.081	7.8	80	0.00
15		isopropyl alcohol	1.459	1.274	12.7	80	0.00
16	C	acrylonitrile	0.610	0.571	6.4	84	0.00
17	C	1,1-dichloroethene	1.122	1.104	1.6	85	0.00
18		tertiary butyl alcohol	1.485	1.391	6.3	83	0.00
19	C	methylene chloride	0.827	0.803	2.9	88	0.00
20	C	3-chloropropene	1.303	1.369	-5.1	93	0.00
21	C	carbon disulfide	2.649	2.461	7.1	82	0.00
22		Freon 113	1.395	1.324	5.1	85	0.00
23		trans-1,2-dichloroethene	1.180	1.077	8.7	81	0.00
24	C	1,1-dichloroethane	1.516	1.439	5.1	82	0.00
25	C	MTBE	2.298	2.239	2.6	86	0.00
26	C	vinyl acetate	1.851	1.611	13.0	79	0.00
27	C	2-butanone	1.849	1.834	0.8	86	0.00
28		cis-1,2-dichloroethene	1.082	1.041	3.8	83	0.00
29		Ethyl Acetate	0.295	0.293	0.7	86	0.00
30	C	chloroform	1.307	1.231	5.8	84	0.00
31		Tetrahydrofuran	1.236	1.185	4.1	86	0.00
32	C	1,2-dichloroethane	0.827	0.734	11.2	77	0.00
33	I	1,4-difluorobenzene	1.000	1.000	0.0	105	0.00
34	C	hexane	0.396	0.382	3.5	84	0.00
35	s	1,2-dichloroethane-D4	0.223	0.209	6.3	96	0.00
36	C	1,1,1-trichloroethane	0.318	0.290	8.8	80	0.00
37	C	benzene	0.909	0.839	7.7	84	0.00
38	C	carbon tetrachloride	0.294	0.274	6.8	82	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : r330104_Ev2.D
Acq On : 2 Apr 2024 1:49 PM
Operator : AIRPIANO3:BJB
Sample : CTO15-SIMSTD5.0
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 15:09:23 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 15:07:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
39		cyclohexane	0.420	0.407	3.1	85	0.00
40		Dibromomethane	0.210	0.189	10.0	79	0.00
41	C	1,2-dichloropropane	0.319	0.299	6.3	82	0.00
42		bromodichloromethane	0.374	0.376	-0.5	87	0.00
43	C	1,4-dioxane	0.170	0.173	-1.8	88	0.00
44	C	trichloroethene	0.302	0.305	-1.0	85	0.00
45	C	2,2,4-trimethylpentane	1.288	1.269	1.5	87	0.00
46		heptane	0.571	0.574	-0.5	89	0.00
47	C	cis-1,3-dichloropropene	0.411	0.439	-6.8	86	0.00
48	C	4-methyl-2-pentanone	0.655	0.657	-0.3	88	0.00
49		trans-1,3-dichloropropene	0.311	0.336	-8.0	84	0.00
50	C	1,1,2-trichloroethane	0.281	0.280	0.4	84	0.00
51	I	chlorobenzene-D5	1.000	1.000	0.0	98	0.00
52	C	toluene	7.262	7.418	-2.1	83	0.00
53	s	toluene-D8	6.783	7.140	-5.3	104	0.00
54		2-hexanone	4.644	5.206	-12.1	85	0.00
55		dibromochloromethane	2.810	3.191	-13.6	90	0.00
56	C	1,2-dibromoethane	3.511	3.704	-5.5	83	0.00
57	C	tetrachloroethene	3.277	3.365	-2.7	85	0.00
58		1,1,1,2-tetrachloroethane	2.385	2.329	2.3	81	0.00
59	C	chlorobenzene	6.338	6.548	-3.3	85	0.00
60	C	ethylbenzene	9.014	9.282	-3.0	82	0.00
61	C	m+p-xylene	7.223	7.570	-4.8	83	0.00
62	C	bromoform	2.658	3.164	-19.0	89	0.00
63	C	styrene	6.088	7.037	-15.6	84	0.00
64	C	1,1,2,2-tetrachloroethane	5.184	5.714	-10.2	87	0.00
65	C	o-xylene	7.300	7.768	-6.4	85	0.00
66		1,2,3-Trichloropropane	4.500	4.544	-1.0	82	0.00
67	s	bromofluorobenzene	4.621	4.833	-4.6	104	0.00
68	C	isopropylbenzene	10.374	10.750	-3.6	84	0.00
69		Bromobenzene	5.909	5.955	-0.8	82	0.00
70		4-ethyl toluene	10.374	11.370	-9.6	83	0.00
71		1,3,5-trimethylbenzene	9.587	10.322	-7.7	87	0.00
72		tert-butylbenzene	9.267	9.655	-4.2	83	0.00
73		1,2,4-trimethylbenzene	8.936	10.066	-12.6	86	0.00
74	C	Benzyl Chloride	5.344	5.975	-11.8	82	0.00
75		1,3-dichlorobenzene	5.557	6.630	-19.3	87	0.00
76	C	1,4-dichlorobenzene	5.975	6.530	-9.3	85	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : r330104_Ev2.D
Acq On : 2 Apr 2024 1:49 PM
Operator : AIRPIANO3:BJB
Sample : CTO15-SIMSTD5.0
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 15:09:23 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 15:07:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
77		sec-butylbenzene	13.210	13.384	-1.3	82	0.00
78		p-isopropyltoluene	11.011	10.754	2.3	78	0.00
79		1,2-dichlorobenzene	5.629	6.278	-11.5	86	0.02
80		n-butylbenzene	9.452	9.782	-3.5	83	0.02
81		1,2-dibromo-3-chloropropane	2.405	2.547	-5.9	82	0.03
82	C	1,2,4-trichlorobenzene	4.601	5.960	-29.5	91	0.06
83		naphthalene	10.724	11.880	-10.8	83	0.06
84		1,2,3-trichlorobenzene	4.269	4.709	-10.3	83	0.07
85	C	hexachlorobutadiene	4.781	5.612	-17.4	92	0.06

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : r330104_Ev2.D
Acq On : 2 Apr 2024 1:49 PM
Operator : AIRPIANO3:BJB
Sample : CTO15-SIMSTD5.0
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 15:09:23 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 15:07:48 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.817	49	208150	10.000	ppbV	0.00
33) 1,4-difluorobenzene	11.053	114	725932	10.000	ppbV	0.00
51) chlorobenzene-D5	15.817	54	82765	10.000	ppbV	0.00
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.683	65	151675	9.365	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.65%			
53) toluene-D8	13.917	98	590920	10.526	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.26%			
67) bromofluorobenzene	17.200	95	399972	10.459	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.59%			
Target Compounds						Qvalue
2) propylene	3.720	41	81335M6	4.214	ppbV	
3) dichlorodifluoromethane	3.792	85	110533	4.702	ppbV	100
4) chloromethane	3.948	50	54162	4.499	ppbV	100
5) Freon-114	4.050	85	146872	5.061	ppbV	97
6) vinyl chloride	4.170	62	61949	4.522	ppbV	99
7) 1,3-butadiene	4.308	54	50765	4.966	ppbV	89
8) bromomethane	4.578	94	48660	4.825	ppbV	100
9) chloroethane	4.758	64	32658	4.616	ppbV	99
10) ethanol	4.884	31	176586	22.114	ppbV	94
11) vinyl bromide	5.150	106	6120	5.093	ppbV	98
12) acrolein	5.257	56	33017	4.649	ppbV	99
13) acetone	5.390	43	550968	23.712	ppbV	100
14) trichlorofluoromethane	5.583	101	112479	4.606	ppbV	99
15) isopropyl alcohol	5.667	45	331428	10.914	ppbV	100
16) acrylonitrile	5.903	53	59391	4.675	ppbV	99
17) 1,1-dichloroethene	6.274	61	114882	4.919	ppbV	96
18) tertiary butyl alcohol	6.322	59	144790	4.684	ppbV	99
19) methylene chloride	6.412	49	83592	4.857	ppbV	100
20) 3-chloropropene	6.544	41	142466	5.254	ppbV	97
21) carbon disulfide	6.712	76	256141	4.645	ppbV	98
22) Freon 113	6.712	101	137843	4.746	ppbV	99
23) trans-1,2-dichloroethene	7.458	61	112066	4.562	ppbV	100
24) 1,1-dichloroethane	7.683	63	149725	4.746	ppbV	99
25) MTBE	7.750	73	233006	4.871	ppbV	97
26) vinyl acetate	7.867	43	167672	4.352	ppbV	99
27) 2-butanone	8.125	43	190900	4.959	ppbV	98
28) cis-1,2-dichloroethene	8.633	61	108346	4.811	ppbV	93

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : r330104_Ev2.D
Acq On : 2 Apr 2024 1:49 PM
Operator : AIRPIANO3:BJB
Sample : CTO15-SIMSTD5.0
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 15:09:23 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 15:07:48 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) Ethyl Acetate	8.908	61	30535	4.977	ppbV		77
30) chloroform	8.975	83	128135	4.710	ppbV		99
31) Tetrahydrofuran	9.417	42	123358	4.795	ppbV		99
32) 1,2-dichloroethane	9.808	62	76405	4.436	ppbV		97
34) hexane	8.883	57	138543	4.821	ppbV		93
36) 1,1,1-trichloroethane	10.100	97	105227	4.557	ppbV		96
37) benzene	10.627	78	304650	4.619	ppbV		99
38) carbon tetrachloride	10.800	117	99391	4.660	ppbV		99
39) cyclohexane	10.940	56	147752	4.849	ppbV		98
40) Dibromomethane	11.540	93	68736	4.510	ppbV	#	50
41) 1,2-dichloropropane	11.573	63	108434	4.687	ppbV		99
42) bromodichloromethane	11.807	83	136497	5.030	ppbV		99
43) 1,4-dioxane	11.853	88	62812	5.080	ppbV		95
44) trichloroethene	11.860	130	110617	5.049	ppbV		99
45) 2,2,4-trimethylpentane	11.907	57	460652	4.928	ppbV		100
46) heptane	12.220	43	208370	5.026	ppbV		97
47) cis-1,3-dichloropropene	12.875	75	159307	5.337	ppbV		98
48) 4-methyl-2-pentanone	12.908	43	238419	5.018	ppbV		97
49) trans-1,3-dichloropropene	13.500	75	122068	5.399	ppbV		99
50) 1,1,2-trichloroethane	13.700	97	101645	4.990	ppbV		97
52) toluene	14.025	91	306990	5.108	ppbV		100
54) 2-hexanone	14.317	43	215428	5.605	ppbV		96
55) dibromochloromethane	14.483	129	132033	5.678	ppbV		100
56) 1,2-dibromoethane	14.742	107	153294	5.275	ppbV		99
57) tetrachloroethene	15.208	166	139241	5.134	ppbV		99
58) 1,1,1,2-tetrachloroethane	15.842	131	96387	4.882	ppbV		100
59) chlorobenzene	15.858	112	270964	5.165	ppbV		96
60) ethylbenzene	16.208	91	384095	5.148	ppbV		98
61) m+p-xylene	16.375	91	626552	10.480	ppbV		100
62) bromoform	16.442	173	130923	5.950	ppbV		100
63) styrene	16.700	104	291188	5.779	ppbV		98
64) 1,1,2,2-tetrachloroethane	16.800	83	236460	5.511	ppbV		100
65) o-xylene	16.800	91	321467	5.321	ppbV		97
66) 1,2,3-Trichloropropane	16.908	75	188035	5.048	ppbV		99
68) isopropylbenzene	17.317	105	444848	5.181	ppbV		96
69) Bromobenzene	17.392	77	246415	5.038	ppbV		99
70) 4-ethyl toluene	17.875	105	470526	5.480	ppbV		99
71) 1,3,5-trimethylbenzene	17.942	105	427138	5.383	ppbV		96
72) tert-butylbenzene	18.283	119	399537	5.209	ppbV		99
73) 1,2,4-trimethylbenzene	18.283	105	416559	5.632	ppbV		99
74) Benzyl Chloride	18.400	91	247250	5.590	ppbV		100

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : r330104_Ev2.D
Acq On : 2 Apr 2024 1:49 PM
Operator : AIRPIANO3:BJB
Sample : CTO15-SIMSTD5.0
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 15:09:23 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 15:07:48 2024
Response via : Initial Calibration

Sub List : Default-ICV-AP2 - All compounds listed

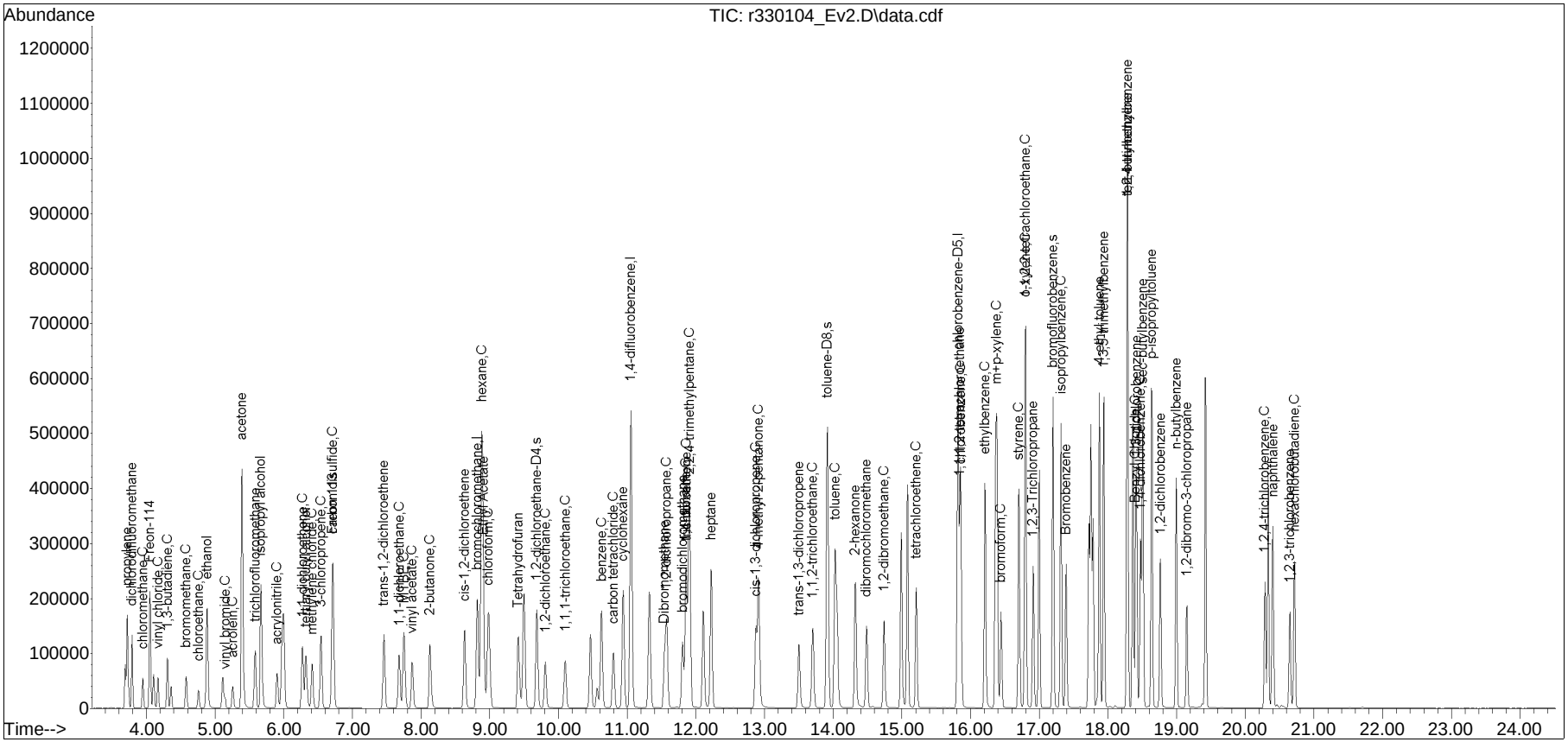
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 1,3-dichlorobenzene	18.417	146	274382	5.965	ppbV	97
76) 1,4-dichlorobenzene	18.475	146	270242	5.465	ppbV	96
77) sec-butylbenzene	18.508	105	553849	5.066	ppbV	97
78) p-isopropyltoluene	18.633	119	445047	4.884	ppbV	99
79) 1,2-dichlorobenzene	18.767	146	259788	5.577	ppbV	92
80) n-butylbenzene	18.992	91	404800	5.174	ppbV	97
81) 1,2-dibromo-3-chloropr...	19.150	75	105410	5.296	ppbV	99
82) 1,2,4-trichlorobenzene	20.283	180	246644	6.477	ppbV	100
83) naphthalene	20.400	128	491612	5.539	ppbV	100
84) 1,2,3-trichlorobenzene	20.650	180	194884	5.515	ppbV	97
85) hexachlorobutadiene	20.717	225	232234	5.869	ppbV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-ICV-AP2 - All compounds listedd)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\
Data File : r330104_Ev2.D
Acq On : 2 Apr 2024 1:49 PM
Operator : AIRPIANO3:BJB
Sample : CTO15-SIMSTD5.0
Misc : WG1904457
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 02 15:09:23 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0401SIM_I\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 15:07:48 2024
Response via : Initial Calibration

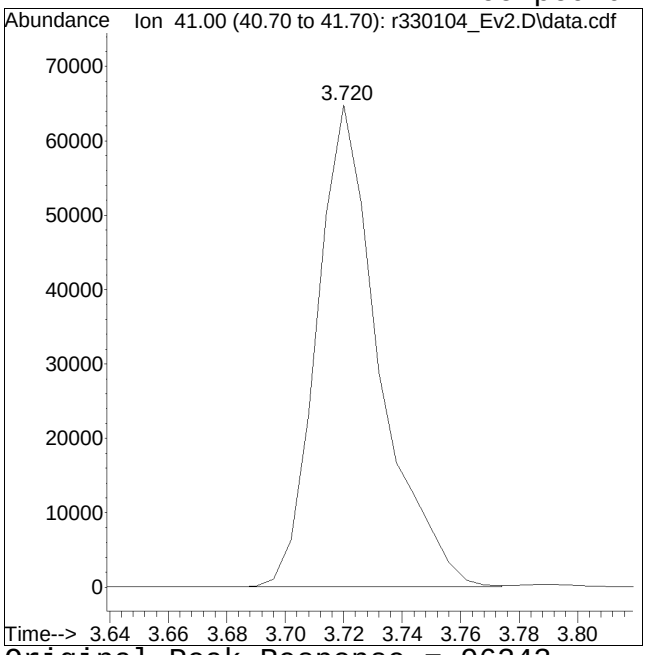


Manual Integration Report

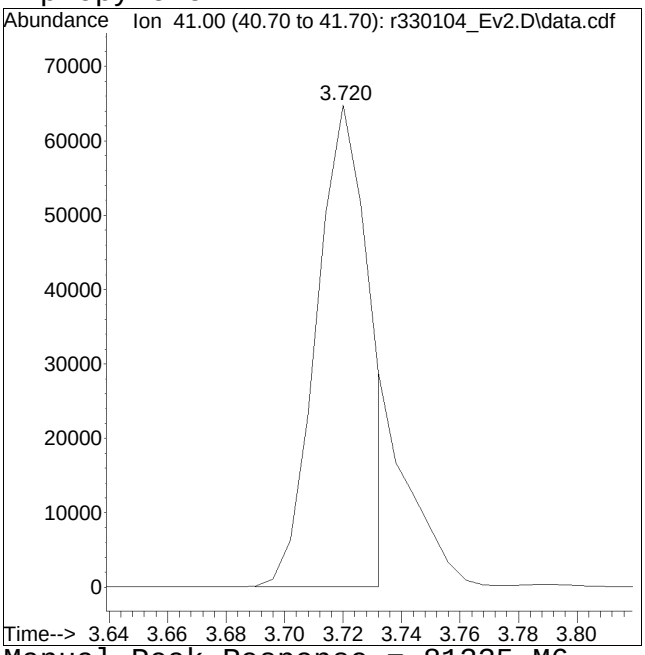
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330104_Ev2.D
Date Inj'd : 4/2/2020 0:1: 9
Sample : CTO15-SIMSTD5.0

Method : TSIM3_240401.M
Operator : AIRPIANO3:BJB
Instrument :
Quant Date : 4/2/2024 3:09 pm

Compound #2: propylene



Original Peak Response = 96243



Manual Peak Response = 81335 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Continuing Calibration

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Environmental Logic, LLC	**Lab Number**	: L2419731		
Project Name	: 245 W. 55TH	**Project Number**	: 23-0001		
Instrument ID	: AIRPIANO3	**Calibration Date**	: 04/23/24 14:25		
Lab File ID	: R330562_EV2	**Init. Calib. Date(s)**	: 04/01/24	04/02/24	
Sample No	: WG1912267-2	**Init. Calib. Times**	: 19:36	09:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
bromochloromethane	1	1	-	0	30	112	0
propylene	0.927	0.636	-	31.4*	30	74	0
dichlorodifluoromethane	1.129	0.899	-	20.4	30	72	0
chloromethane	0.578	0.367	-	36.5*	30	59	0
Freon-114	1.394	1.097	-	21.3	30	72	0
vinyl chloride	0.658	0.58	-	11.9	30	82	0
1,3-butadiene	0.491	0.415	-	15.5	30	78	0
bromomethane	0.484	0.448	-	7.4	30	86	0
chloroethane	0.34	0.3	-	11.8	30	83	0
ethanol	0.384	0.318	-	17.2	30	76	0
vinyl bromide	0.058	0.022	-	62.1*	30	43	0
acrolein	0.341	0.229	-	32.8*	30	61	0
acetone	1.116	0.82	-	26.5	30	69	0
trichlorofluoromethane	1.173	1.134	-	3.3	30	89	0
isopropyl alcohol	1.459	1.001	-	31.4*	30	66	0
acrylonitrile	0.61	0.605	-	0.8	30	94	0
1,1-dichloroethene	1.122	1.072	-	4.5	30	87	0
tertiary butyl alcohol	1.485	1.463	-	1.5	30	92	0
methylene chloride	0.827	0.764	-	7.6	30	88	0
3-chloropropene	1.303	1.016	-	22	30	72	0
carbon disulfide	2.649	2.015	-	23.9	30	70	0
Freon 113	1.395	1.332	-	4.5	30	90	0
trans-1,2-dichloroethene	1.18	1.12	-	5.1	30	88	0
1,1-dichloroethane	1.516	1.436	-	5.3	30	87	0
MTBE	2.298	1.833	-	20.2	30	74	0
vinyl acetate	1.851	1.189	-	35.8*	30	61	0
2-butanone	1.849	1.398	-	24.4	30	69	0
cis-1,2-dichloroethene	1.082	1.078	-	0.4	30	91	0
Ethyl Acetate	0.295	0.304	-	-3.1	30	94	0
chloroform	1.307	1.205	-	7.8	30	86	0
Tetrahydrofuran	1.236	0.879	-	28.9	30	67	0
1,2-dichloroethane	0.827	0.772	-	6.7	30	86	0
1,4-difluorobenzene	1	1	-	0	30	103	0
hexane	0.396	0.446	-	-12.6	30	96	0
1,1,1-trichloroethane	0.318	0.332	-	-4.4	30	90	0
benzene	0.909	0.751	-	17.4	30	74	0
carbon tetrachloride	0.294	0.278	-	5.4	30	81	0
cyclohexane	0.42	0.477	-	-13.6	30	98	-.01
Dibromomethane	0.21	0.219	-	-4.3	30	89	0
1,2-dichloropropane	0.319	0.317	-	0.6	30	85	0
bromodichloromethane	0.374	0.393	-	-5.1	30	88	-.01
1,4-dioxane	0.17	0.19	-	-11.8	30	95	0
trichloroethene	0.302	0.334	-	-10.6	30	92	-.01

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Environmental Logic, LLC		**Lab Number**	: L2419731	
Project Name	: 245 W. 55TH		**Project Number**	: 23-0001	
Instrument ID	: AIRPIANO3		**Calibration Date**	: 04/23/24 14:25	
Lab File ID	: R330562_EV2		**Init. Calib. Date(s)**	: 04/01/24	04/02/24
Sample No	: WG1912267-2		**Init. Calib. Times**	: 19:36	09:04
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
2,2,4-trimethylpentane	1.288	1.489	-	-15.6	30	100	0
heptane	0.571	0.478	-	16.3	30	72	-.01
cis-1,3-dichloropropene	0.411	0.384	-	6.6	30	74	-.02
4-methyl-2-pentanone	0.655	0.544	-	16.9	30	71	0
trans-1,3-dichloropropene	0.311	0.295	-	5.1	30	72	0
1,1,2-trichloroethane	0.281	0.309	-	-10	30	91	0
chlorobenzene-D5	1	1	-	0	30	123	0
toluene	7.262	6.527	-	10.1	30	92	0
2-hexanone	4.644	3.346	-	28	30	69	0
dibromochloromethane	2.81	2.76	-	1.8	30	97	0
1,2-dibromoethane	3.511	2.893	-	17.6	30	81	0
tetrachloroethene	3.277	2.834	-	13.5	30	89	0
1,1,1,2-tetrachloroethane	2.385	2.023	-	15.2	30	88	0
chlorobenzene	6.338	4.957	-	21.8	30	80	0
ethylbenzene	9.014	8.184	-	9.2	30	91	0
m+p-xylene	7.223	6.713	-	7.1	30	93	0
bromoform	2.658	2.784	-	-4.7	30	99	0
styrene	6.088	5.441	-	10.6	30	82	0
1,1,2,2-tetrachloroethane	5.184	4.681	-	9.7	30	89	0
o-xylene	7.3	6.828	-	6.5	30	94	0
1,2,3-Trichloropropane	4.5	3.308	-	26.5	30	75	0
isopropylbenzene	10.374	8.479	-	18.3	30	84	0
Bromobenzene	5.909	4.466	-	24.4	30	77	0
4-ethyl toluene	10.374	8.906	-	14.2	30	82	0
1,3,5-trimethylbenzene	9.587	8.157	-	14.9	30	87	0
tert-butylbenzene	9.267	7.809	-	15.7	30	84	0
1,2,4-trimethylbenzene	8.936	7.856	-	12.1	30	84	0
Benzyl Chloride	5.344	4.831	-	9.6	30	83	0
1,3-dichlorobenzene	5.557	5.61	-	-1	30	92	0
1,4-dichlorobenzene	5.975	5.523	-	7.6	30	90	0
sec-butylbenzene	13.21	10.505	-	20.5	30	81	0
p-isopropyltoluene	11.011	8.891	-	19.3	30	81	0
1,2-dichlorobenzene	5.629	5.291	-	6	30	91	0
n-butylbenzene	9.452	8.565	-	9.4	30	91	0
1,2-dibromo-3-chloropropan	2.405	1.881	-	21.8	30	76	.02
1,2,4-trichlorobenzene	4.601	5.168	-	-12.3	30	99	.06
naphthalene	10.724	10.258	-	4.3	30	90	.05
1,2,3-trichlorobenzene	4.269	4.106	-	3.8	30	91	.06
hexachlorobutadiene	4.781	4.831	-	-1	30	99	.05

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330562_Ev2.D
Acq On : 23 Apr 2024 2:25 PM
Operator : AIRPIANO3:JMB
Sample : WG1912267-2,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 23 14:53:46 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 15:07:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	bromochloromethane	1.000	1.000	0.0	112	0.00
2		propylene	0.927	0.636	31.4#	74	0.00
3		dichlorodifluoromethane	1.129	0.899	20.4	72	0.00
4	C	chloromethane	0.578	0.367	36.5#	59#	0.00
5		Freon-114	1.394	1.097	21.3	72	0.00
6	C	vinyl chloride	0.658	0.580	11.9	82	0.00
7	C	1,3-butadiene	0.491	0.415	15.5	78	0.00
8	C	bromomethane	0.484	0.448	7.4	86	0.00
9	C	chloroethane	0.340	0.300	11.8	83	0.00
10		ethanol	0.384	0.318	17.2	76	0.00
11	C	vinyl bromide	0.058	0.022	62.1#	43#	0.00
12	C	acrolein	0.341	0.229	32.8#	61	0.00
13		acetone	1.116	0.820	26.5	69	0.00
14		trichlorofluoromethane	1.173	1.134	3.3	89	0.00
15		isopropyl alcohol	1.459	1.001	31.4#	66	0.00
16	C	acrylonitrile	0.610	0.605	0.8	94	0.00
17	C	1,1-dichloroethene	1.122	1.072	4.5	87	0.00
18		tertiary butyl alcohol	1.485	1.463	1.5	92	0.00
19	C	methylene chloride	0.827	0.764	7.6	88	0.00
20	C	3-chloropropene	1.303	1.016	22.0	72	0.00
21	C	carbon disulfide	2.649	2.015	23.9	70	0.00
22		Freon 113	1.395	1.332	4.5	90	0.00
23		trans-1,2-dichloroethene	1.180	1.120	5.1	88	0.00
24	C	1,1-dichloroethane	1.516	1.436	5.3	87	0.00
25	C	MTBE	2.298	1.833	20.2	74	0.00
26	C	vinyl acetate	1.851	1.189	35.8#	61	0.00
27	C	2-butanone	1.849	1.398	24.4	69	0.00
28		cis-1,2-dichloroethene	1.082	1.078	0.4	91	0.00
29		Ethyl Acetate	0.295	0.304	-3.1	94	0.00
30	C	chloroform	1.307	1.205	7.8	86	0.00
31		Tetrahydrofuran	1.236	0.879	28.9	67	0.00
32	C	1,2-dichloroethane	0.827	0.772	6.7	86	0.00
33	I	1,4-difluorobenzene	1.000	1.000	0.0	103	0.00
34	C	hexane	0.396	0.446	-12.6	96	0.00
36	C	1,1,1-trichloroethane	0.318	0.332	-4.4	90	0.00
37	C	benzene	0.909	0.751	17.4	74	0.00
38	C	carbon tetrachloride	0.294	0.278	5.4	81	0.00
39		cyclohexane	0.420	0.477	-13.6	98	-0.01

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330562_Ev2.D
Acq On : 23 Apr 2024 2:25 PM
Operator : AIRPIANO3:JMB
Sample : WG1912267-2,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 23 14:53:46 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 15:07:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40		Dibromomethane	0.210	0.219	-4.3	89	0.00
41	C	1,2-dichloropropane	0.319	0.317	0.6	85	0.00
42		bromodichloromethane	0.374	0.393	-5.1	88	-0.01
43	C	1,4-dioxane	0.170	0.190	-11.8	95	0.00
44	C	trichloroethene	0.302	0.334	-10.6	92	-0.01
45	C	2,2,4-trimethylpentane	1.288	1.489	-15.6	100	0.00
46		heptane	0.571	0.478	16.3	72	-0.01
47	C	cis-1,3-dichloropropene	0.411	0.384	6.6	74	-0.02
48	C	4-methyl-2-pentanone	0.655	0.544	16.9	71	0.00
49		trans-1,3-dichloropropene	0.311	0.295	5.1	72	0.00
50	C	1,1,2-trichloroethane	0.281	0.309	-10.0	91	0.00
51	I	chlorobenzene-D5	1.000	1.000	0.0	123	0.00
52	C	toluene	7.262	6.527	10.1	92	0.00
54		2-hexanone	4.644	3.346	28.0	69	0.00
55		dibromochloromethane	2.810	2.760	1.8	97	0.00
56	C	1,2-dibromoethane	3.511	2.893	17.6	81	0.00
57	C	tetrachloroethene	3.277	2.834	13.5	89	0.00
58		1,1,1,2-tetrachloroethane	2.385	2.023	15.2	88	0.00
59	C	chlorobenzene	6.338	4.957	21.8	80	0.00
60	C	ethylbenzene	9.014	8.184	9.2	91	0.00
61	C	m+p-xylene	7.223	6.713	7.1	93	0.00
62	C	bromoform	2.658	2.784	-4.7	99	0.00
63	C	styrene	6.088	5.441	10.6	82	0.00
64	C	1,1,2,2-tetrachloroethane	5.184	4.681	9.7	89	0.00
65	C	o-xylene	7.300	6.828	6.5	94	0.00
66		1,2,3-Trichloropropane	4.500	3.308	26.5	75	0.00
68	C	isopropylbenzene	10.374	8.479	18.3	84	0.00
69		Bromobenzene	5.909	4.466	24.4	77	0.00
70		4-ethyl toluene	10.374	8.906	14.2	82	0.00
71		1,3,5-trimethylbenzene	9.587	8.157	14.9	87	0.00
72		tert-butylbenzene	9.267	7.809	15.7	84	0.00
73		1,2,4-trimethylbenzene	8.936	7.856	12.1	84	0.00
74	C	Benzyl Chloride	5.344	4.831	9.6	83	0.00
75		1,3-dichlorobenzene	5.557	5.610	-1.0	92	0.00
76	C	1,4-dichlorobenzene	5.975	5.523	7.6	90	0.00
77		sec-butylbenzene	13.210	10.505	20.5	81	0.00
78		p-isopropyltoluene	11.011	8.891	19.3	81	0.00
79		1,2-dichlorobenzene	5.629	5.291	6.0	91	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330562_Ev2.D
Acq On : 23 Apr 2024 2:25 PM
Operator : AIRPIANO3:JMB
Sample : WG1912267-2,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 23 14:53:46 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 15:07:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
80	n-butylbenzene	9.452	8.565	9.4	91	0.00
81	1,2-dibromo-3-chloropropane	2.405	1.881	21.8	76	0.02
82 C	1,2,4-trichlorobenzene	4.601	5.168	-12.3	99	0.06
83	naphthalene	10.724	10.258	4.3	90	0.05
84	1,2,3-trichlorobenzene	4.269	4.106	3.8	91	0.06
85 C	hexachlorobutadiene	4.781	4.831	-1.0	99	0.05

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 4

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330562_Ev2.D
Acq On : 23 Apr 2024 2:25 PM
Operator : AIRPIANO3:JMB
Sample : WG1912267-2,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 23 14:53:46 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 15:07:48 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\r330562_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	8.808	49	219314	10.000	ppbV		0.00
Standard Area = 219314			Recovery = 100.00%				
33) 1,4-difluorobenzene	11.047	114	710078	10.000	ppbV		0.00
Standard Area = 710078			Recovery = 100.00%				
51) chlorobenzene-D5	15.800	54	103793	10.000	ppbV		0.00
Standard Area = 103793			Recovery = 100.00%				
System Monitoring Compounds							
Target Compounds							Qvalue
2) propylene	3.720	41	69757M6	3.430	ppbV		
3) dichlorodifluoromethane	3.786	85	98541	3.979	ppbV		99
4) chloromethane	3.948	50	40290	3.176	ppbV		94
5) Freon-114	4.050	85	120258	3.933	ppbV		92
6) vinyl chloride	4.164	62	63624	4.408	ppbV		99
7) 1,3-butadiene	4.302	54	45543	4.229	ppbV		85
8) bromomethane	4.572	94	49175	4.628	ppbV		97
9) chloroethane	4.752	64	32853	4.407	ppbV	#	91
10) ethanol	4.878	31	174305	20.717	ppbV	#	79
11) vinyl bromide	5.150	106	2395	1.892	ppbV		98
12) acrolein	5.250	56	25108	3.356	ppbV	#	93
13) acetone	5.387	43	449848	18.375	ppbV	#	74
14) trichlorofluoromethane	5.577	101	124299	4.830	ppbV		99
15) isopropyl alcohol	5.663	45	274517	8.580	ppbV	#	96
16) acrylonitrile	5.897	53	66337	4.955	ppbV		98
17) 1,1-dichloroethene	6.262	61	117507	4.776	ppbV		98
18) tertiary butyl alcohol	6.316	59	160452	4.926	ppbV	#	90
19) methylene chloride	6.406	49	83775	4.620	ppbV		100
20) 3-chloropropene	6.532	41	111432	3.900	ppbV		98
21) carbon disulfide	6.700	76	220957	3.803	ppbV		99
22) Freon 113	6.706	101	146093	4.774	ppbV		98
23) trans-1,2-dichloroethene	7.450	61	122855	4.747	ppbV		99
24) 1,1-dichloroethane	7.667	63	157478	4.738	ppbV		97
25) MTBE	7.742	73	200977	3.987	ppbV	#	92
26) vinyl acetate	7.858	43	130422	3.213	ppbV	#	94
27) 2-butanone	8.117	43	153300	3.779	ppbV	#	98
28) cis-1,2-dichloroethene	8.625	61	118195	4.981	ppbV		91
29) Ethyl Acetate	8.900	61	33359	5.160	ppbV	#	23
30) chloroform	8.967	83	132183	4.612	ppbV		95

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330562_Ev2.D
Acq On : 23 Apr 2024 2:25 PM
Operator : AIRPIANO3:JMB
Sample : WG1912267-2,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 23 14:53:46 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 15:07:48 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\r330562_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
31) Tetrahydrofuran	9.400	42	96440	3.558	ppbV		98
32) 1,2-dichloroethane	9.800	62	84634	4.664	ppbV		99
34) hexane	8.875	57	158420	5.636	ppbV	#	59
36) 1,1,1-trichloroethane	10.083	97	117911	5.220	ppbV		97
37) benzene	10.613	78	266809	4.136	ppbV	#	92
38) carbon tetrachloride	10.787	117	98609	4.726	ppbV		98
39) cyclohexane	10.927	56	169251	5.678	ppbV	#	84
40) Dibromomethane	11.533	93	77646	5.208	ppbV	#	53
41) 1,2-dichloropropane	11.567	63	112417	4.968	ppbV	#	96
42) bromodichloromethane	11.793	83	139354	5.249	ppbV		97
43) 1,4-dioxane	11.840	88	67436	5.576	ppbV		99
44) trichloroethene	11.847	130	118638	5.536	ppbV		99
45) 2,2,4-trimethylpentane	11.893	57	528796	5.783	ppbV	#	88
46) heptane	12.207	43	169574	4.181	ppbV	#	81
47) cis-1,3-dichloropropene	12.858	75	136185	4.664	ppbV		99
48) 4-methyl-2-pentanone	12.900	43	193049	4.153	ppbV	#	82
49) trans-1,3-dichloropropene	13.492	75	104719	4.736	ppbV		96
50) 1,1,2-trichloroethane	13.692	97	109815	5.511	ppbV		97
52) toluene	14.017	91	338712	4.494	ppbV		99
54) 2-hexanone	14.308	43	173629	3.602	ppbV	#	79
55) dibromochloromethane	14.475	129	143255	4.912	ppbV		99
56) 1,2-dibromoethane	14.725	107	150121	4.119	ppbV		100
57) tetrachloroethene	15.200	166	147054	4.324	ppbV		98
58) 1,1,1,2-tetrachloroethane	15.833	131	104995	4.241	ppbV		100
59) chlorobenzene	15.850	112	257273	3.911	ppbV		93
60) ethylbenzene	16.200	91	424738	4.540	ppbV		91
61) m+p-xylene	16.367	91	696764	9.294	ppbV		91
62) bromoform	16.433	173	144489	5.236	ppbV		99
63) styrene	16.692	104	282343	4.468	ppbV		99
64) 1,1,2,2-tetrachloroethane	16.783	83	242934	4.515	ppbV		98
65) o-xylene	16.783	91	354330	4.676	ppbV		91
66) 1,2,3-Trichloropropane	16.900	75	171666	3.675	ppbV		96
68) isopropylbenzene	17.308	105	440008	4.086	ppbV		93
69) Bromobenzene	17.375	77	231788	3.779	ppbV		91
70) 4-ethyl toluene	17.867	105	462190	4.292	ppbV		95
71) 1,3,5-trimethylbenzene	17.933	105	423325	4.254	ppbV		93
72) tert-butylbenzene	18.275	119	405285	4.214	ppbV		97
73) 1,2,4-trimethylbenzene	18.275	105	407677	4.395	ppbV		96
74) Benzyl Chloride	18.392	91	250690	4.519	ppbV		99
75) 1,3-dichlorobenzene	18.408	146	291151	5.048	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330562_Ev2.D
Acq On : 23 Apr 2024 2:25 PM
Operator : AIRPIANO3:JMB
Sample : WG1912267-2,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 23 14:53:46 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 15:07:48 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\r330562_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

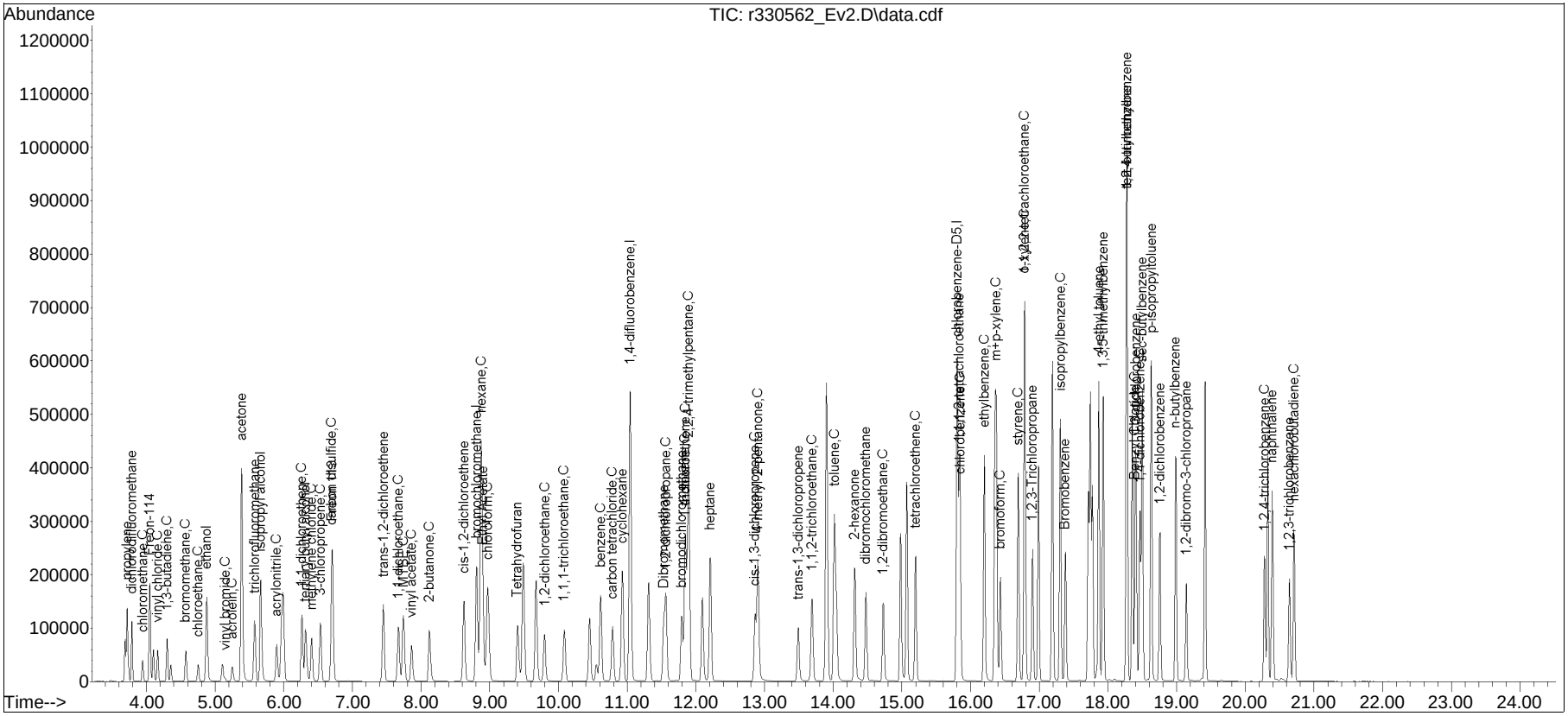
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
76) 1,4-dichlorobenzene	18.467	146	286601	4.621	ppbV		99
77) sec-butylbenzene	18.500	105	545191	3.976	ppbV		92
78) p-isopropyltoluene	18.633	119	461430	4.038	ppbV		94
79) 1,2-dichlorobenzene	18.758	146	274582	4.700	ppbV	#	89
80) n-butylbenzene	18.983	91	444508	4.531	ppbV		96
81) 1,2-dibromo-3-chloropr...	19.142	75	97605	3.911	ppbV		88
82) 1,2,4-trichlorobenzene	20.283	180	268179	5.616	ppbV		95
83) naphthalene	20.392	128	532355	4.783	ppbV		99
84) 1,2,3-trichlorobenzene	20.642	180	213070	4.808	ppbV		96
85) hexachlorobutadiene	20.708	225	250724	5.052	ppbV		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-LCS-AP2 - All compounds listed23SIM\r330562_Ev2.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330562_Ev2.D
Acq On : 23 Apr 2024 2:25 PM
Operator : AIRPIANO3:JMB
Sample : WG1912267-2,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 23 14:53:46 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 15:07:48 2024
Response via : Initial Calibration

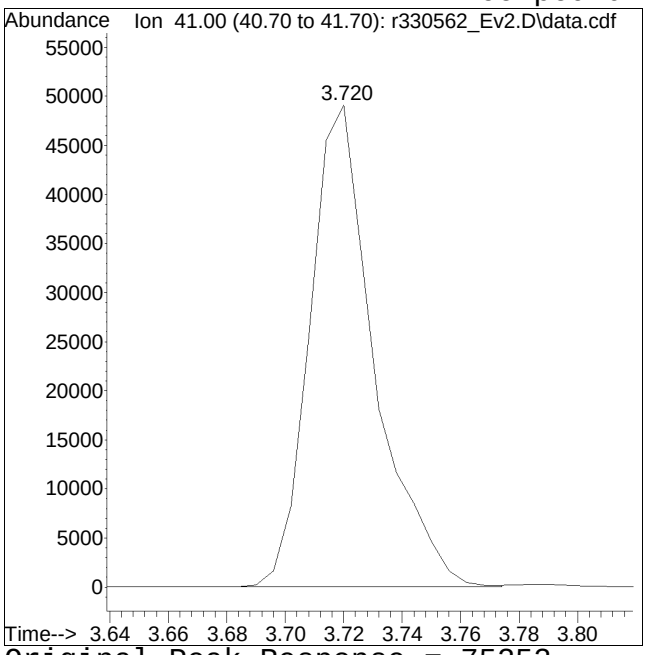


Manual Integration Report

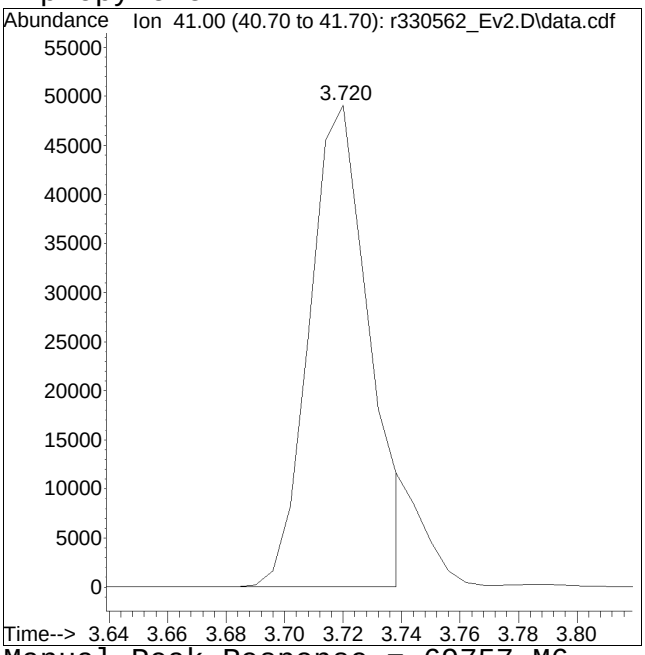
Data Path : O:\Forensics\Data\AirpianoQ
Data File : r330562_Ev2.D
Date Inj'd : 4/23/2020 0:2: 5
Sample : WG1912267-2,3,250,250

Method : TSIM3_240401.M
Operator : AIRPIANO3:JMB
Instrument :
Quant Date : 4/23/2024 2:53 pm

Compound #2: propylene



Original Peak Response = 75252



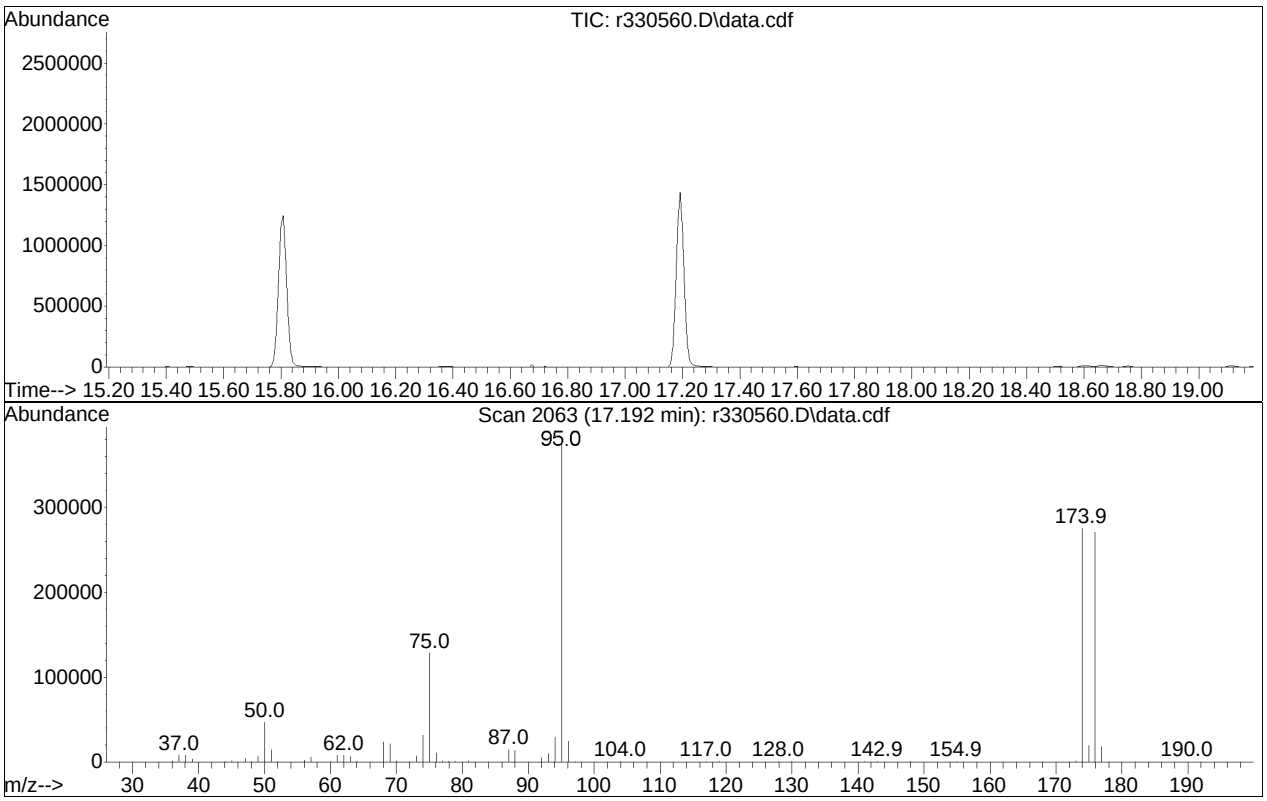
Manual Peak Response = 69757 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330560.D
Acq On : 23 Apr 2024 1:01 PM
Operator : AIRPIANO3:JMB
Sample : WG1912267-1,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Integration File: rteint.p

Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Wed Apr 03 15:11:14 2024



Spectrum Information: Scan 2063

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	12.4	46801	PASS
75	95	30	66	34.2	128603	PASS
95	95	100	100	100.0	376377	PASS
96	95	5	9	6.5	24464	PASS
173	174	0.00	2	0.6	1745	PASS
174	95	50	120	73.3	275702	PASS
175	174	4	9	7.1	19694	PASS
176	174	93	101	98.4	271316	PASS
177	176	5	9	6.6	17903	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330564_Ev2.D
Acq On : 23 Apr 2024 6:27 PM
Operator : AIRPIANO3:JMB
Sample : WG1912267-4,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:27:14 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 15:07:48 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\r330562_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

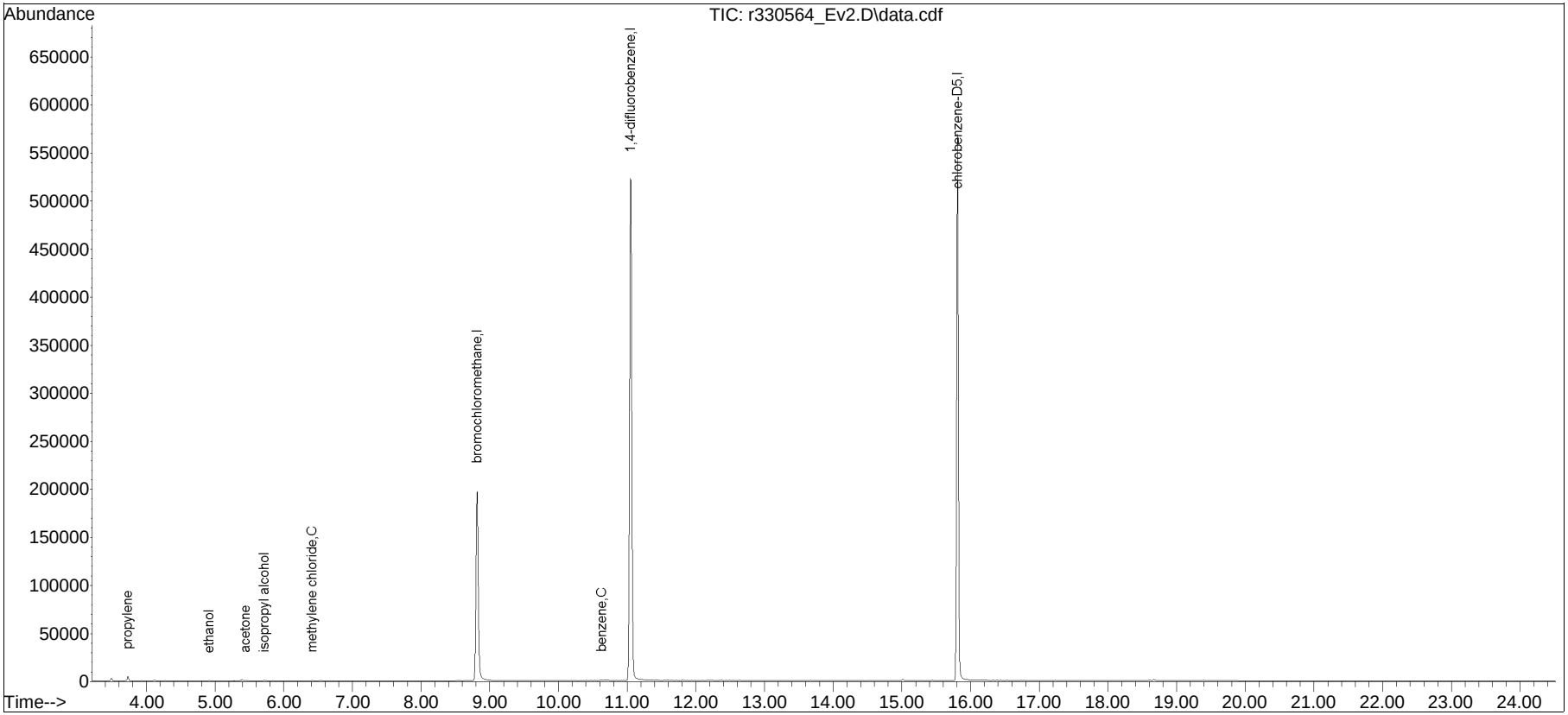
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.817	49	214184	10.000	ppbV	0.00
Standard Area = 219314			Recovery = 97.66%			
33) 1,4-difluorobenzene	11.053	114	692238	10.000	ppbV	0.00
Standard Area = 710078			Recovery = 97.49%			
51) chlorobenzene-D5	15.808	54	99320	10.000	ppbV	0.00
Standard Area = 103793			Recovery = 95.69%			
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	0.000		0		N.D.	
17) 1,1-dichloroethene	6.274		0		N.D.	
28) cis-1,2-dichloroethene	8.758		0		N.D.	
36) 1,1,1-trichloroethane	0.000		0		N.D.	
38) carbon tetrachloride	0.000		0		N.D.	
44) trichloroethene	0.000		0		N.D.	
57) tetrachloroethene	0.000		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-LCS-AP2 - All compounds listed23SIM\r330562_Ev2.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330564_Ev2.D
Acq On : 23 Apr 2024 6:27 PM
Operator : AIRPIANO3:JMB
Sample : WG1912267-4,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:27:14 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 15:07:48 2024
Response via : Initial Calibration



Manual Integration Report

Data Path	: O:\Forensics\Data\Airpiano	QMethod	: TSIM3_240401.M
Data File	: r330564_Ev2.D	Operator	: AIRPIANO3:JMB
Date Inj'd	: 4/23/2020 0:6: 7	Instrument	:
Sample	: WG1912267-4,3,250,250	Quant Date	: 4/24/2024 7:27 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330562_Ev2.D
Acq On : 23 Apr 2024 2:25 PM
Operator : AIRPIANO3:JMB
Sample : WG1912267-3,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 23 14:53:46 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 15:07:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	bromochloromethane	10.000	10.000	0.0	112	0.00
2		propylene	5.000	3.430	31.4#	74	0.00
3		dichlorodifluoromethane	5.000	3.979	20.4	72	0.00
4	C	chloromethane	5.000	3.176	36.5#	59	0.00
5		Freon-114	5.000	3.933	21.3	72	0.00
6	C	vinyl chloride	5.000	4.408	11.8	82	0.00
7	C	1,3-butadiene	5.000	4.229	15.4	78	0.00
8	C	bromomethane	5.000	4.628	7.4	86	0.00
9	C	chloroethane	5.000	4.407	11.9	83	0.00
10		ethanol	25.000	20.717	17.1	76	0.00
11	C	vinyl bromide	5.000	1.892	62.2#	43	0.00
12	C	acrolein	5.000	3.356	32.9#	61	0.00
13		acetone	25.000	18.375	26.5	69	0.00
14		trichlorofluoromethane	5.000	4.830	3.4	89	0.00
15		isopropyl alcohol	12.500	8.580	31.4#	66	0.00
16	C	acrylonitrile	5.000	4.955	0.9	94	0.00
17	C	1,1-dichloroethene	5.000	4.776	4.5	87	0.00
18		tertiary butyl alcohol	5.000	4.926	1.5	92	0.00
19	C	methylene chloride	5.000	4.620	7.6	88	0.00
20	C	3-chloropropene	5.000	3.900	22.0	72	0.00
21	C	carbon disulfide	5.000	3.803	23.9	70	0.00
22		Freon 113	5.000	4.774	4.5	90	0.00
23		trans-1,2-dichloroethene	5.000	4.747	5.1	88	0.00
24	C	1,1-dichloroethane	5.000	4.738	5.2	87	0.00
25	C	MTBE	5.000	3.987	20.3	74	0.00
26	C	vinyl acetate	5.000	3.213	35.7#	61	0.00
27	C	2-butanone	5.000	3.779	24.4	69	0.00
28		cis-1,2-dichloroethene	5.000	4.981	0.4	91	0.00
29		Ethyl Acetate	5.000	5.160	-3.2	94	0.00
30	C	chloroform	5.000	4.612	7.8	86	0.00
31		Tetrahydrofuran	5.000	3.558	28.8	67	0.00
32	C	1,2-dichloroethane	5.000	4.664	6.7	86	0.00
33	I	1,4-difluorobenzene	10.000	10.000	0.0	103	0.00
34	C	hexane	5.000	5.636	-12.7	96	0.00
36	C	1,1,1-trichloroethane	5.000	5.220	-4.4	90	0.00
37	C	benzene	5.000	4.136	17.3	74	0.00
38	C	carbon tetrachloride	5.000	4.726	5.5	81	0.00
39		cyclohexane	5.000	5.678	-13.6	98	-0.01

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330562_Ev2.D
Acq On : 23 Apr 2024 2:25 PM
Operator : AIRPIANO3:JMB
Sample : WG1912267-3,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 23 14:53:46 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 15:07:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
40		Dibromomethane	5.000	5.208	-4.2	89	0.00
41	C	1,2-dichloropropane	5.000	4.968	0.6	85	0.00
42		bromodichloromethane	5.000	5.249	-5.0	88	-0.01
43	C	1,4-dioxane	5.000	5.576	-11.5	95	0.00
44	C	trichloroethene	5.000	5.536	-10.7	92	-0.01
45	C	2,2,4-trimethylpentane	5.000	5.783	-15.7	100	0.00
46		heptane	5.000	4.181	16.4	72	-0.01
47	C	cis-1,3-dichloropropene	5.000	4.664	6.7	74	-0.02
48	C	4-methyl-2-pentanone	5.000	4.153	16.9	71	0.00
49		trans-1,3-dichloropropene	5.000	4.736	5.3	72	0.00
50	C	1,1,2-trichloroethane	5.000	5.511	-10.2	91	0.00
51	I	chlorobenzene-D5	10.000	10.000	0.0	123	0.00
52	C	toluene	5.000	4.494	10.1	92	0.00
54		2-hexanone	5.000	3.602	28.0	69	0.00
55		dibromochloromethane	5.000	4.912	1.8	97	0.00
56	C	1,2-dibromoethane	5.000	4.119	17.6	81	0.00
57	C	tetrachloroethene	5.000	4.324	13.5	89	0.00
58		1,1,1,2-tetrachloroethane	5.000	4.241	15.2	88	0.00
59	C	chlorobenzene	5.000	3.911	21.8	80	0.00
60	C	ethylbenzene	5.000	4.540	9.2	91	0.00
61	C	m+p-xylene	10.000	9.294	7.1	93	0.00
62	C	bromoform	5.000	5.236	-4.7	99	0.00
63	C	styrene	5.000	4.468	10.6	82	0.00
64	C	1,1,2,2-tetrachloroethane	5.000	4.515	9.7	89	0.00
65	C	o-xylene	5.000	4.676	6.5	94	0.00
66		1,2,3-Trichloropropane	5.000	3.675	26.5	75	0.00
68	C	isopropylbenzene	5.000	4.086	18.3	84	0.00
69		Bromobenzene	5.000	3.779	24.4	77	0.00
70		4-ethyl toluene	5.000	4.292	14.2	82	0.00
71		1,3,5-trimethylbenzene	5.000	4.254	14.9	87	0.00
72		tert-butylbenzene	5.000	4.214	15.7	84	0.00
73		1,2,4-trimethylbenzene	5.000	4.395	12.1	84	0.00
74	C	Benzyl Chloride	5.000	4.519	9.6	83	0.00
75		1,3-dichlorobenzene	5.000	5.048	-1.0	92	0.00
76	C	1,4-dichlorobenzene	5.000	4.621	7.6	90	0.00
77		sec-butylbenzene	5.000	3.976	20.5	81	0.00
78		p-isopropyltoluene	5.000	4.038	19.2	81	0.00
79		1,2-dichlorobenzene	5.000	4.700	6.0	91	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330562_Ev2.D
Acq On : 23 Apr 2024 2:25 PM
Operator : AIRPIANO3:JMB
Sample : WG1912267-3,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 23 14:53:46 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 15:07:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
80	n-butylbenzene	5.000	4.531	9.4	91	0.00
81	1,2-dibromo-3-chloropropane	5.000	3.911	21.8	76	0.02
82 C	1,2,4-trichlorobenzene	5.000	5.616	-12.3	99	0.06
83	naphthalene	5.000	4.783	4.3	90	0.05
84	1,2,3-trichlorobenzene	5.000	4.808	3.8	91	0.06
85 C	hexachlorobutadiene	5.000	5.052	-1.0	99	0.05

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 4

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330562_Ev2.D
Acq On : 23 Apr 2024 2:25 PM
Operator : AIRPIANO3:JMB
Sample : WG1912267-3,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 23 14:53:46 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 15:07:48 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\r330562_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

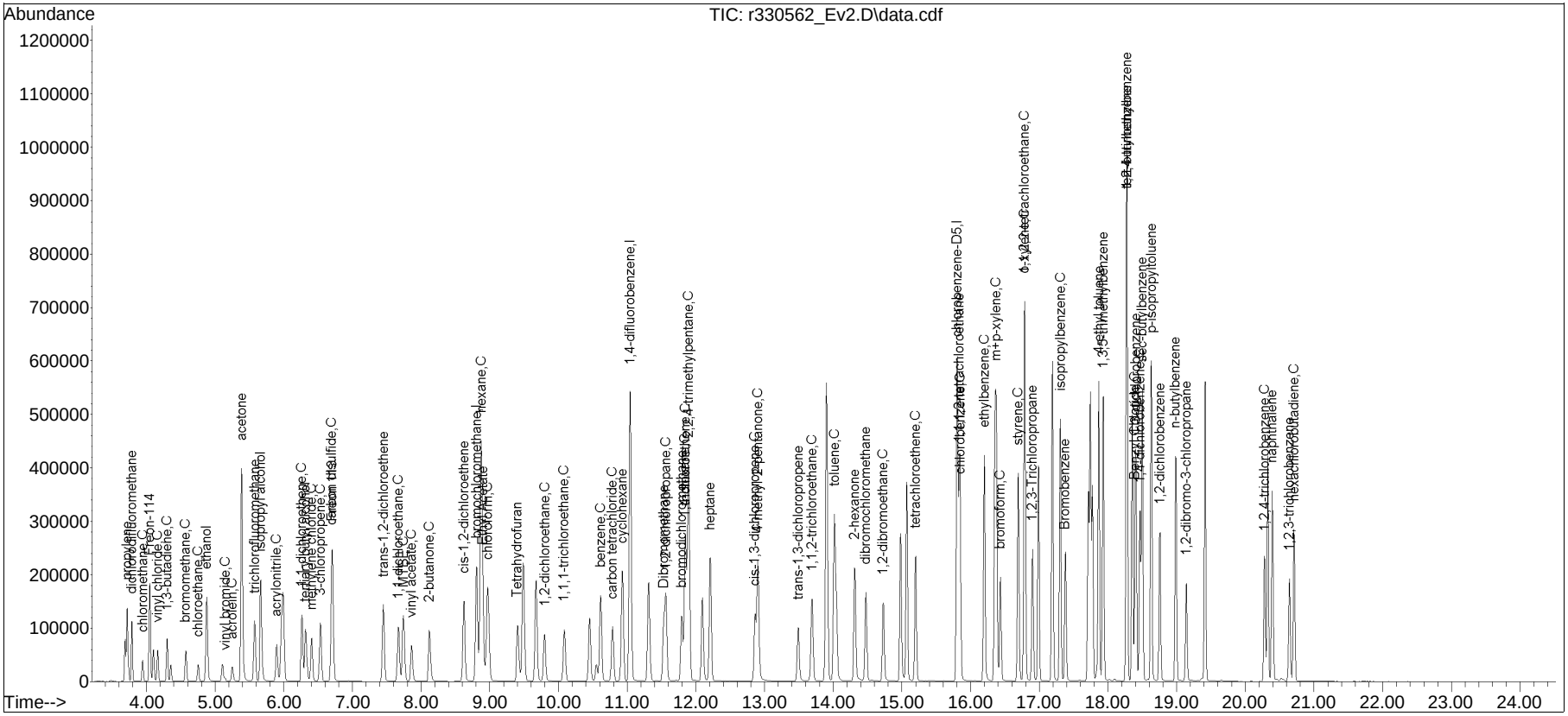
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.808	49	219314	10.000	ppbV	0.00
Standard Area = 219314			Recovery = 100.00%			
33) 1,4-difluorobenzene	11.047	114	710078	10.000	ppbV	0.00
Standard Area = 710078			Recovery = 100.00%			
51) chlorobenzene-D5	15.800	54	103793	10.000	ppbV	0.00
Standard Area = 103793			Recovery = 100.00%			
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	4.164	62	63624	4.408	ppbV	99
17) 1,1-dichloroethene	6.262	61	117507	4.776	ppbV	98
28) cis-1,2-dichloroethene	8.625	61	118195	4.981	ppbV	91
36) 1,1,1-trichloroethane	10.083	97	117911	5.220	ppbV	97
38) carbon tetrachloride	10.787	117	98609	4.726	ppbV	98
44) trichloroethene	11.847	130	118638	5.536	ppbV	99
57) tetrachloroethene	15.200	166	147054	4.324	ppbV	98

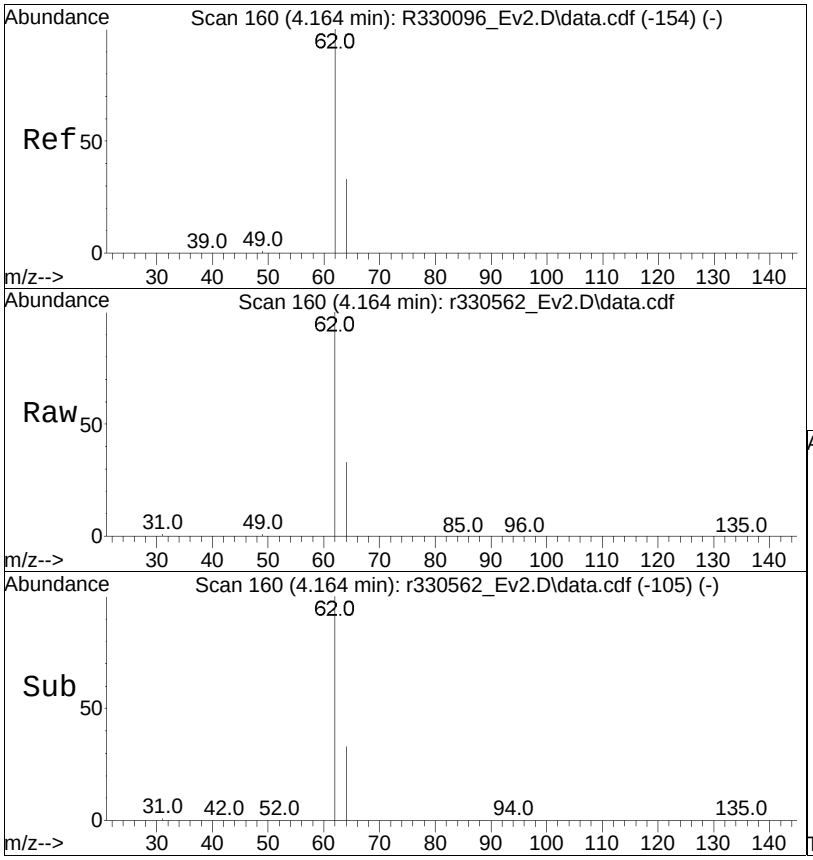
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-LCS-AP2 - All compounds listed23SIM\r330562_Ev2.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330562_Ev2.D
Acq On : 23 Apr 2024 2:25 PM
Operator : AIRPIANO3:JMB
Sample : WG1912267-3,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 23 14:53:46 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Apr 02 15:07:48 2024
Response via : Initial Calibration

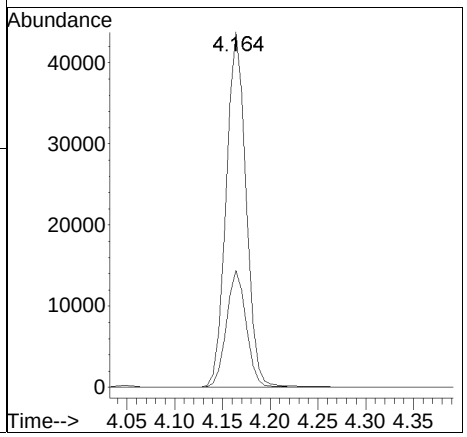


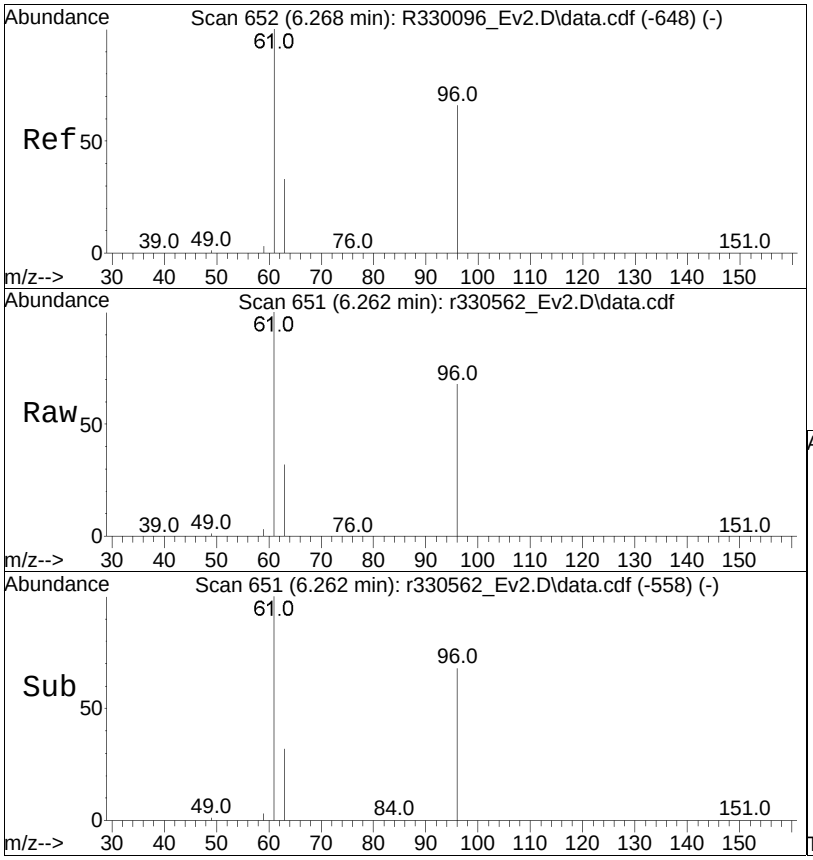


#6
vinyl chloride
Concen: 4.41 ppbV
RT: 4.164 min Scan# 160
Delta R.T. 0.000 min
Lab File: r330562_Ev2.D
Acq: 23 Apr 2024 2:25 PM

Tgt Ion: 62 Resp: 63624

Ion	Ratio	Lower	Upper
62	100		
64	32.9	26.0	39.0

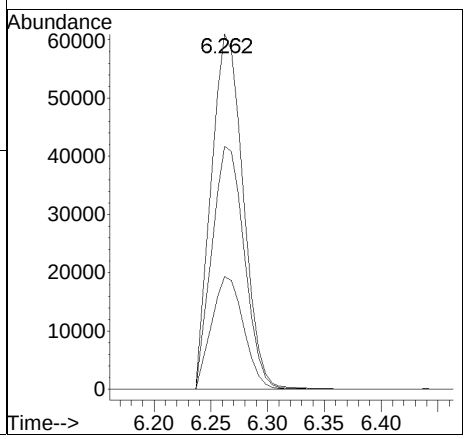


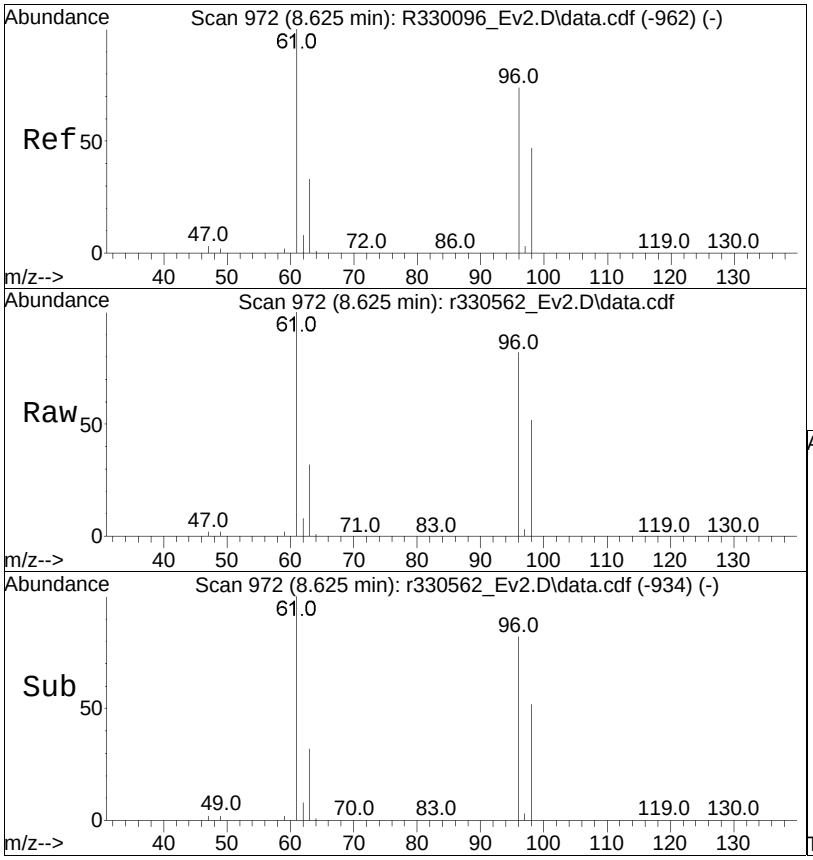


#17
1,1-dichloroethene
Concen: 4.78 ppbV
RT: 6.262 min Scan# 651
Delta R.T. -0.006 min
Lab File: r330562_Ev2.D
Acq: 23 Apr 2024 2:25 PM

Tgt Ion: 61 Resp: 117507

Ion	Ratio	Lower	Upper
61	100		
96	68.5	53.0	79.4
63	31.8	26.2	39.2

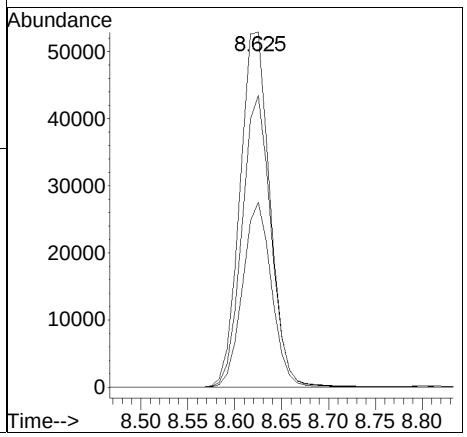


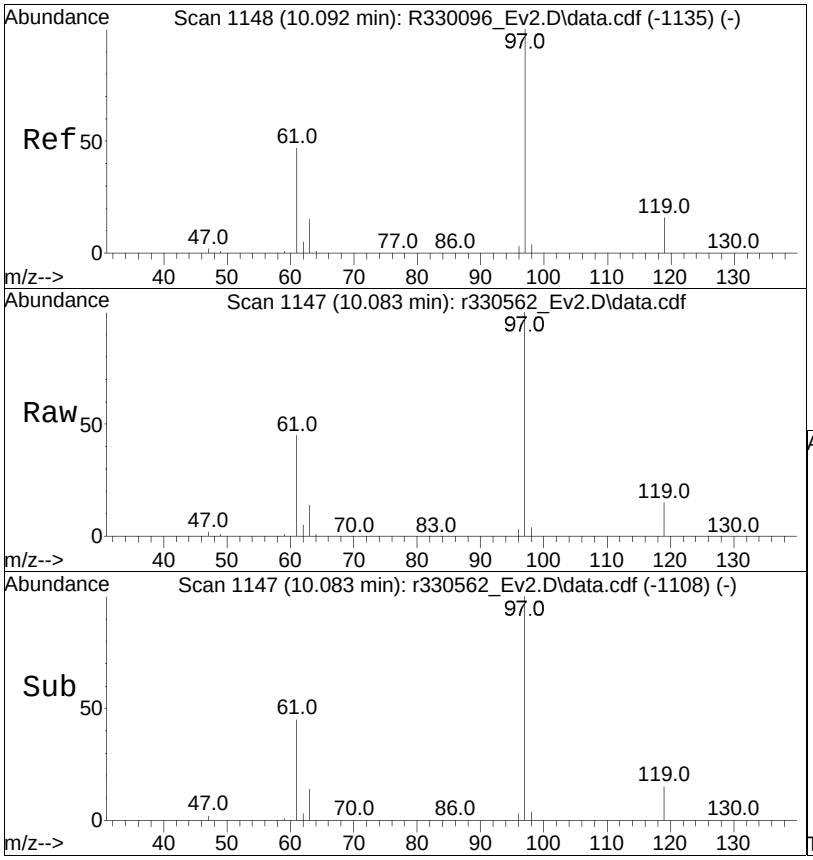


#28
cis-1,2-dichloroethene
Concen: 4.98 ppbV
RT: 8.625 min Scan# 972
Delta R.T. 0.000 min
Lab File: r330562_Ev2.D
Acq: 23 Apr 2024 2:25 PM

Tgt Ion: 61 Resp: 118195

Ion	Ratio	Lower	Upper
61	100		
96	82.1	59.2	88.8
98	52.1	37.9	56.9

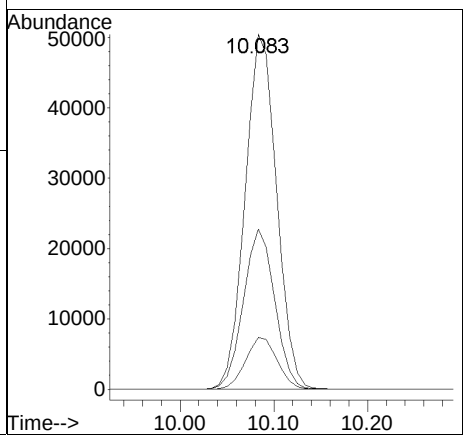


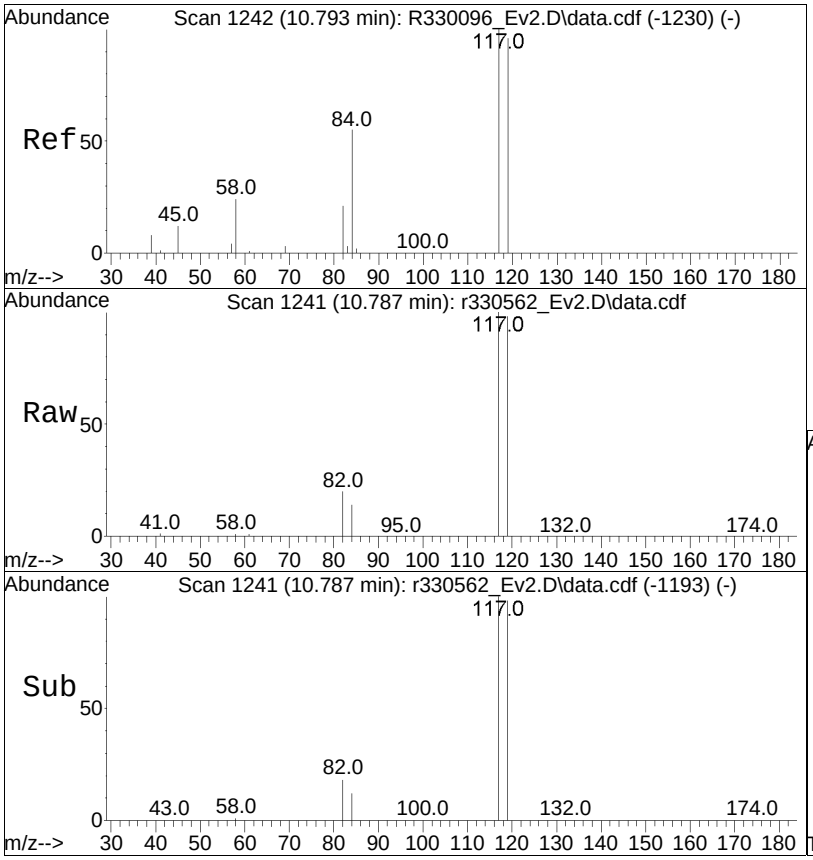


#36
1,1,1-trichloroethane
Concen: 5.22 ppbV
RT: 10.083 min Scan# 1147
Delta R.T. -0.008 min
Lab File: r330562_Ev2.D
Acq: 23 Apr 2024 2:25 PM

Tgt Ion: 97 Resp: 117911

Ion	Ratio	Lower	Upper
97	100		
61	45.1	37.4	56.2
119	14.6	12.9	19.3

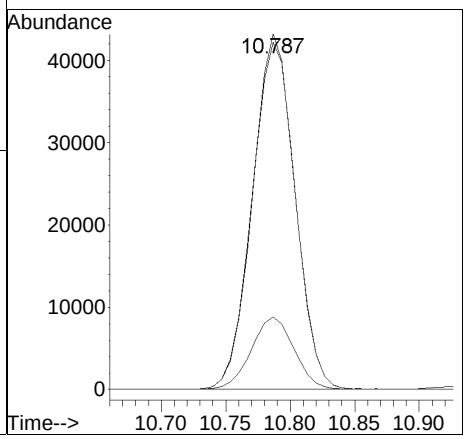


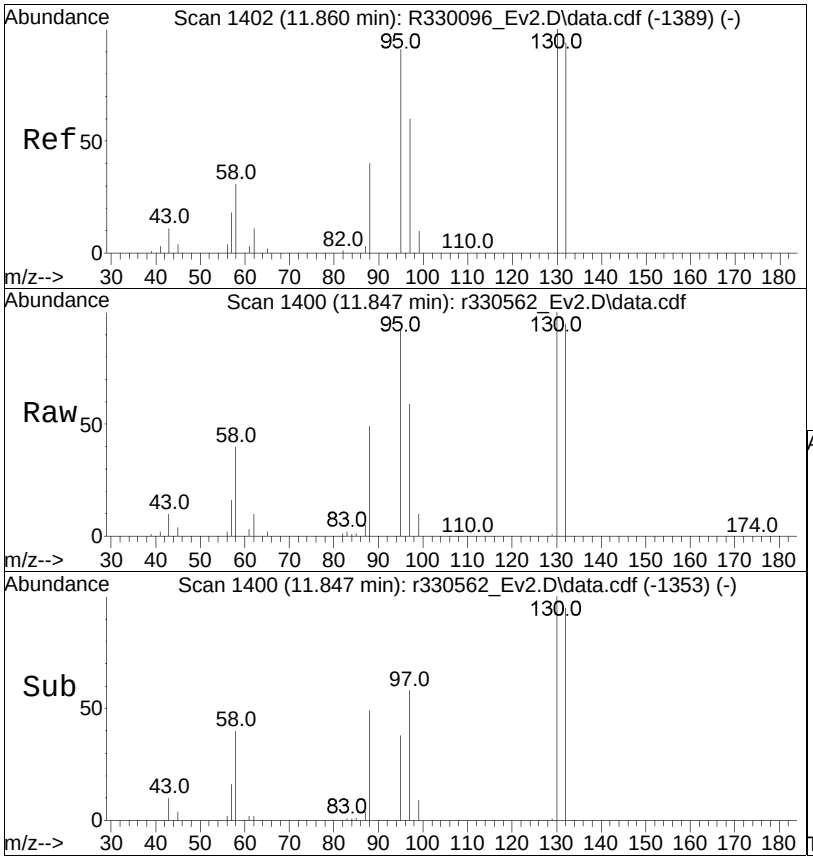


#38
carbon tetrachloride
Concen: 4.73 ppbV
RT: 10.787 min Scan# 1241
Delta R.T. -0.007 min
Lab File: r330562_Ev2.D
Acq: 23 Apr 2024 2:25 PM

Tgt Ion:117 Resp: 98609

Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.5	114.7
82	20.4	16.9	25.3

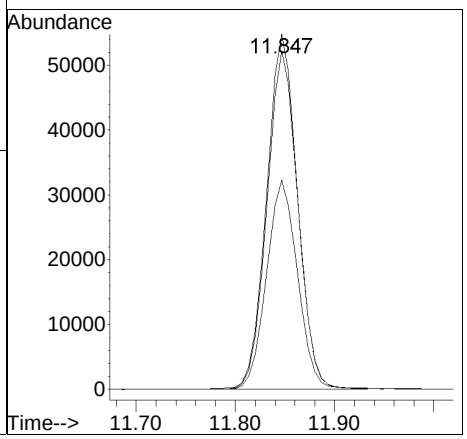


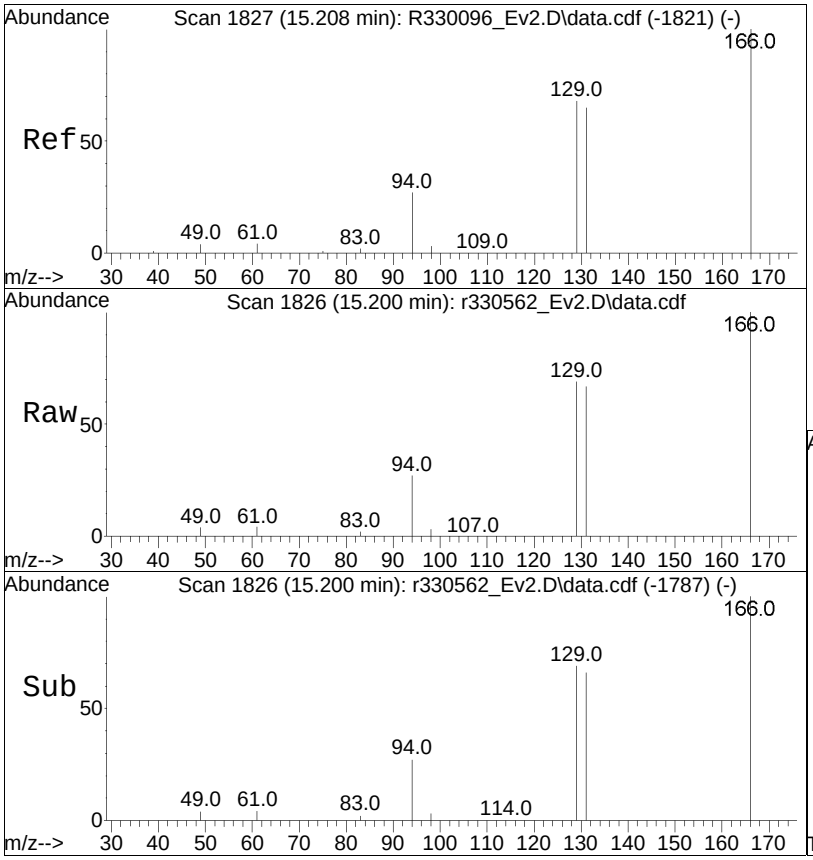


#44
trichloroethene
Concen: 5.54 ppbV
RT: 11.847 min Scan# 1400
Delta R.T. -0.013 min
Lab File: r330562_Ev2.D
Acq: 23 Apr 2024 2:25 PM

Tgt Ion:130 Resp: 118638

Ion	Ratio	Lower	Upper
130	100		
132	95.2	75.5	113.3
97	58.8	47.8	71.6

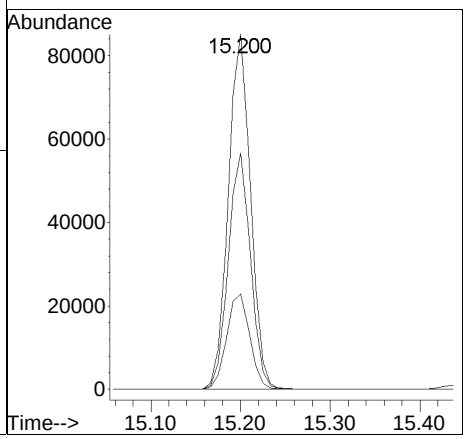




#57
tetrachloroethene
Concen: 4.32 ppbV
RT: 15.200 min Scan# 1826
Delta R.T. -0.008 min
Lab File: r330562_Ev2.D
Acq: 23 Apr 2024 2:25 PM

Tgt Ion:166 Resp: 147054

Ion	Ratio	Lower	Upper
166	100		
131	66.5	51.8	77.8
94	26.9	21.9	32.9



Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330572_Ev2.D
Acq On : 23 Apr 2024 11:50 PM
Operator : AIRPIANO3:JMB
Sample : WG1912267-5,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:29:11 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:11:14 2024
Response via : Initial Calibration

CCAL FILE : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\r330562_Ev2.D
Sub List : 7-NY-SIM - .

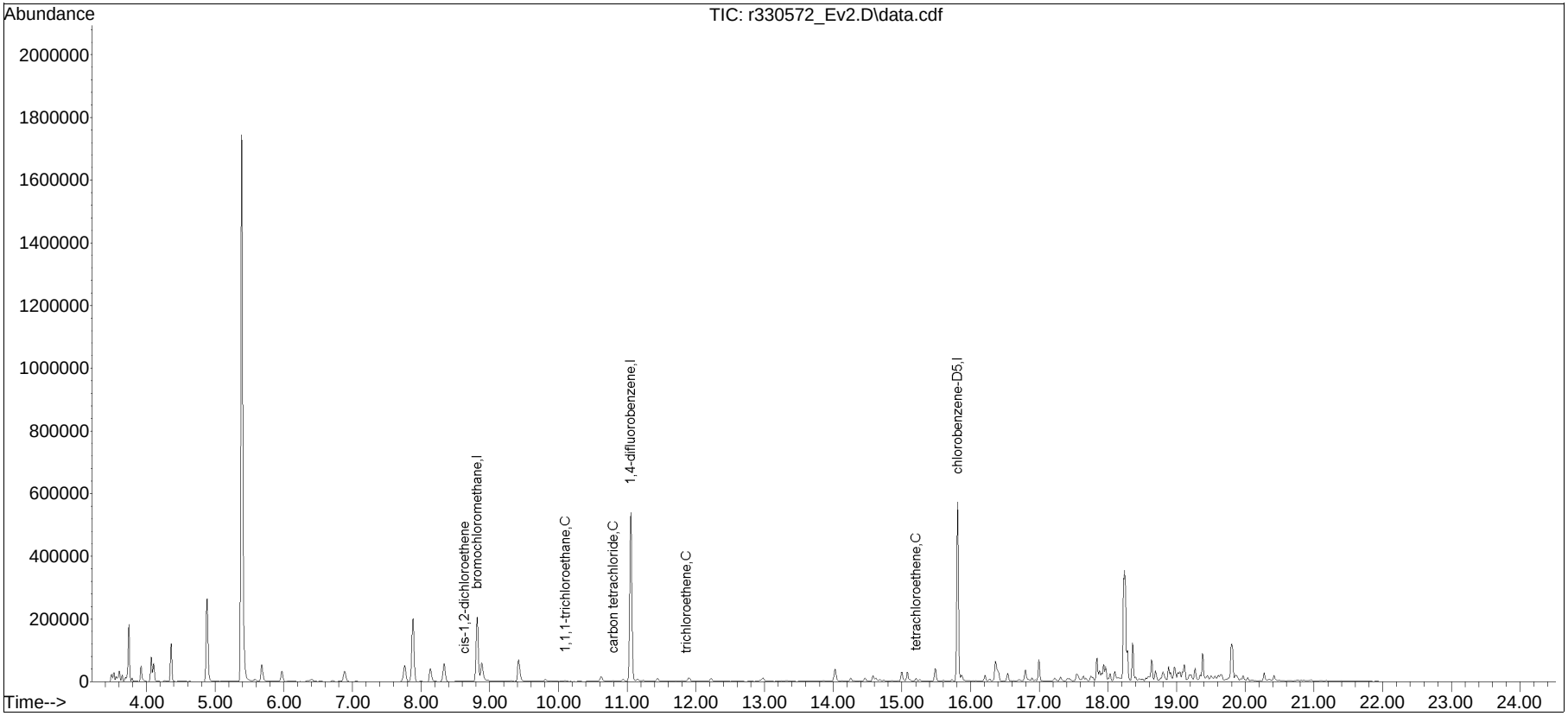
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.817	49	211771	10.000	ppbV	0.00
Standard Area = 219314			Recovery = 96.56%			
33) 1,4-difluorobenzene	11.053	114	685279	10.000	ppbV	0.00
Standard Area = 710078			Recovery = 96.51%			
51) chlorobenzene-D5	15.808	54	104076	10.000	ppbV	0.00
Standard Area = 103793			Recovery = 100.27%			
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	0.000		0	N.D.		
17) 1,1-dichloroethene	6.274		0	N.D.		
28) cis-1,2-dichloroethene	8.633	61	304M4	0.013	ppbV	
36) 1,1,1-trichloroethane	10.100	97	3034	0.139	ppbV	94
38) carbon tetrachloride	10.800	117	1697	0.084	ppbV	98
44) trichloroethene	11.860	130	518M4	0.025	ppbV	
57) tetrachloroethene	15.208	166	5648	0.166	ppbV	96

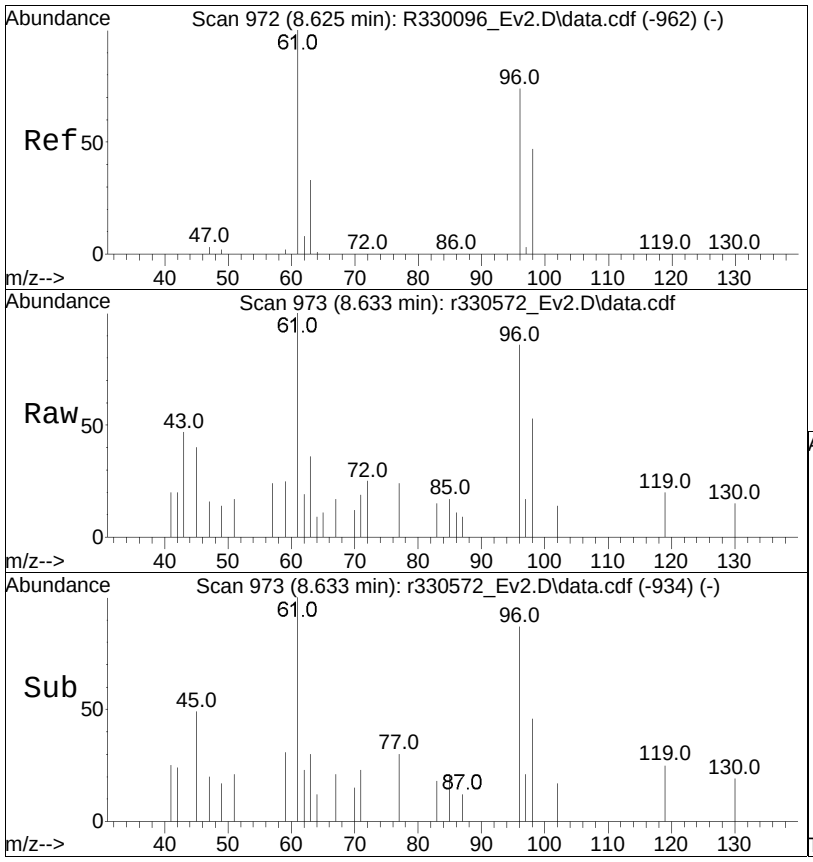
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .\Data\Airpiano3\2024\04\0423SIM\r330562_Ev2.D

Data Path : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\
Data File : r330572_Ev2.D
Acq On : 23 Apr 2024 11:50 PM
Operator : AIRPIANO3:JMB
Sample : WG1912267-5,3,250,250
Misc : WG1912267,ICAL21002
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Apr 24 07:29:11 2024
Quant Method : O:\Forensics\Data\Airpiano3\2024\04\0423SIM\TSIM3_240401.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:11:14 2024
Response via : Initial Calibration

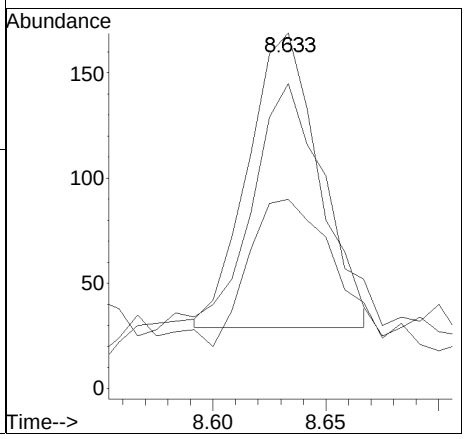


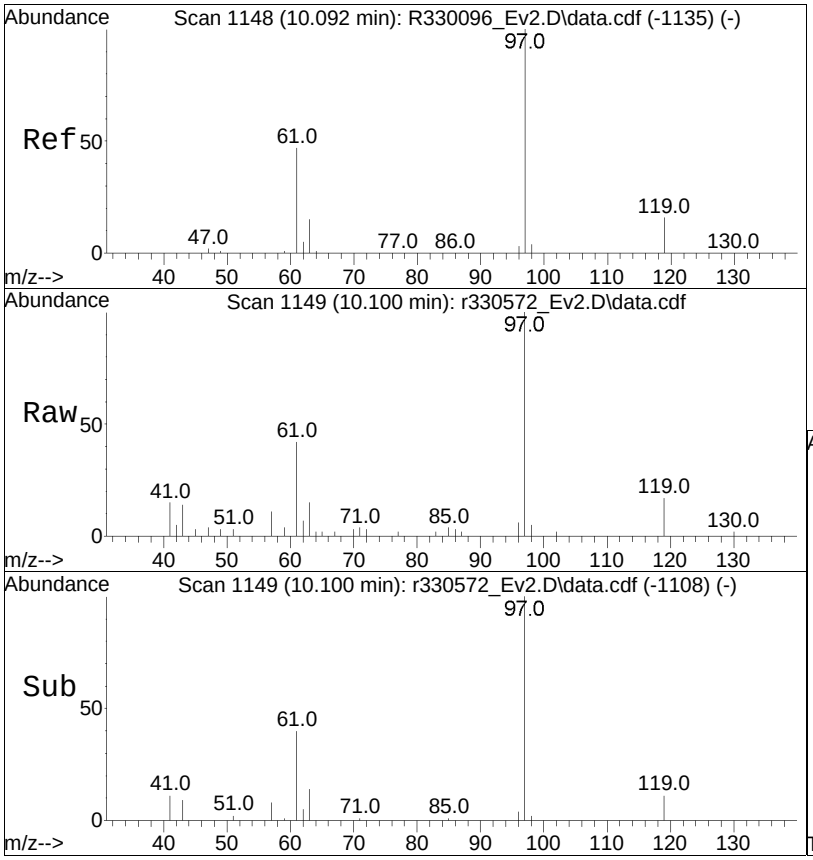


#28
cis-1,2-dichloroethene
Concen: 0.01 ppbV m
RT: 8.633 min Scan# 973
Delta R.T. 0.008 min
Lab File: r330572_Ev2.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion: 61 Resp: 304

Ion	Ratio	Lower	Upper
61	100		
96	85.8	59.2	88.8
98	53.3	37.9	56.9

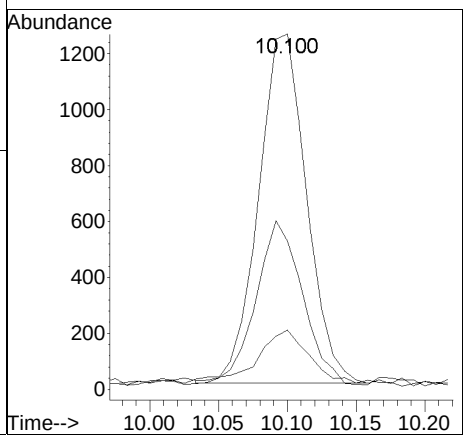


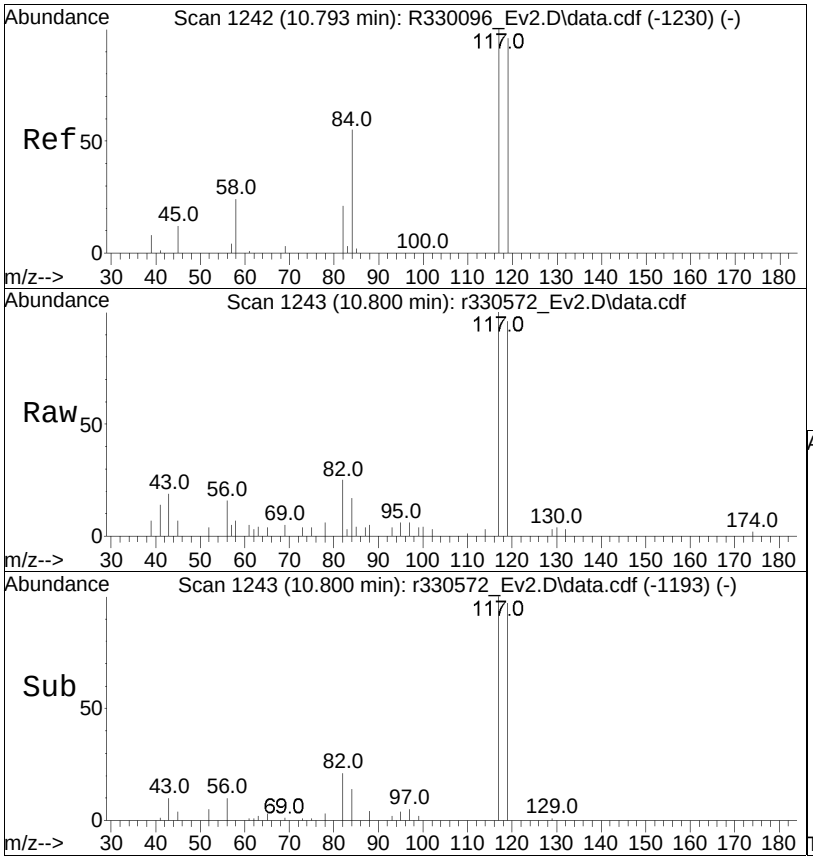


#36
1,1,1-trichloroethane
Concen: 0.14 ppbV
RT: 10.100 min Scan# 1149
Delta R.T. 0.008 min
Lab File: r330572_Ev2.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion: 97 Resp: 3034

Ion	Ratio	Lower	Upper
97	100		
61	41.7	37.4	56.2
119	16.7	12.9	19.3

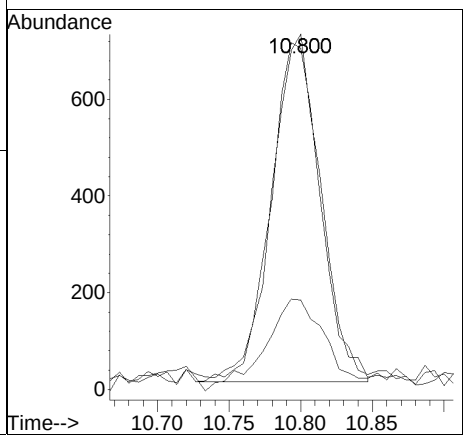


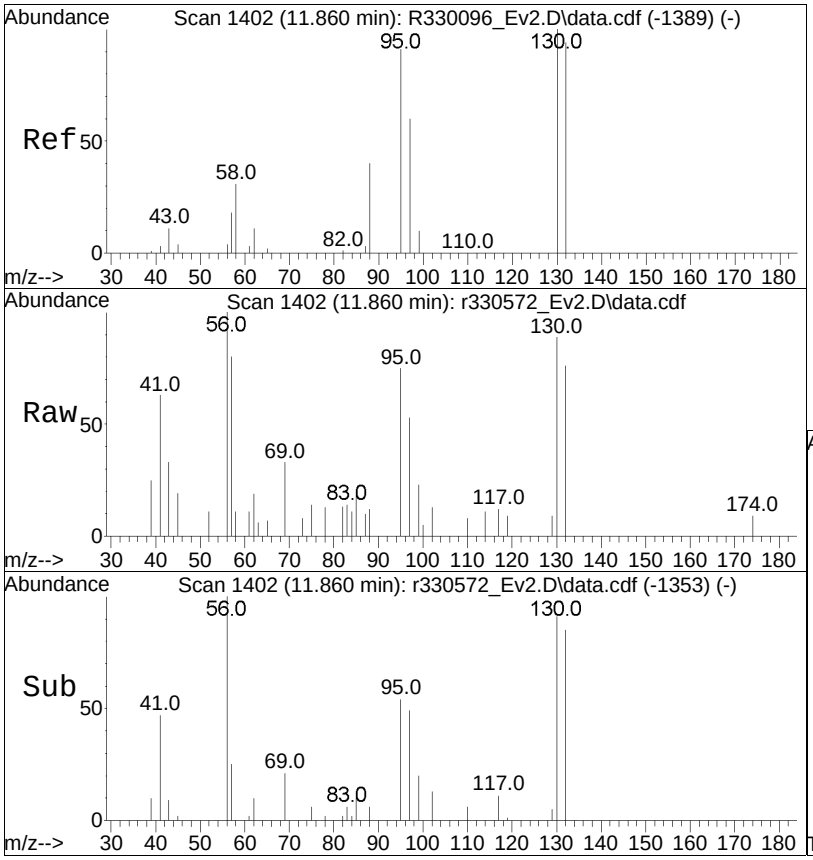


#38
carbon tetrachloride
Concen: 0.08 ppbV
RT: 10.800 min Scan# 1243
Delta R.T. 0.007 min
Lab File: r330572_Ev2.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion:117 Resp: 1697

Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.5	114.7
82	25.2	16.9	25.3

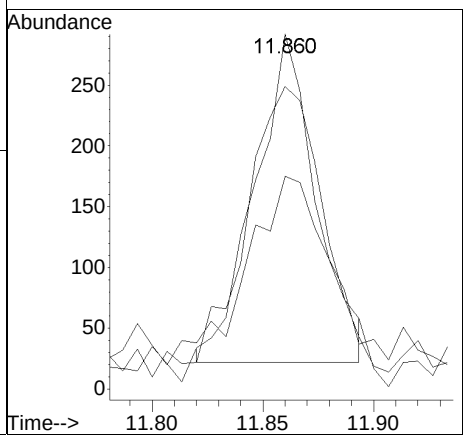


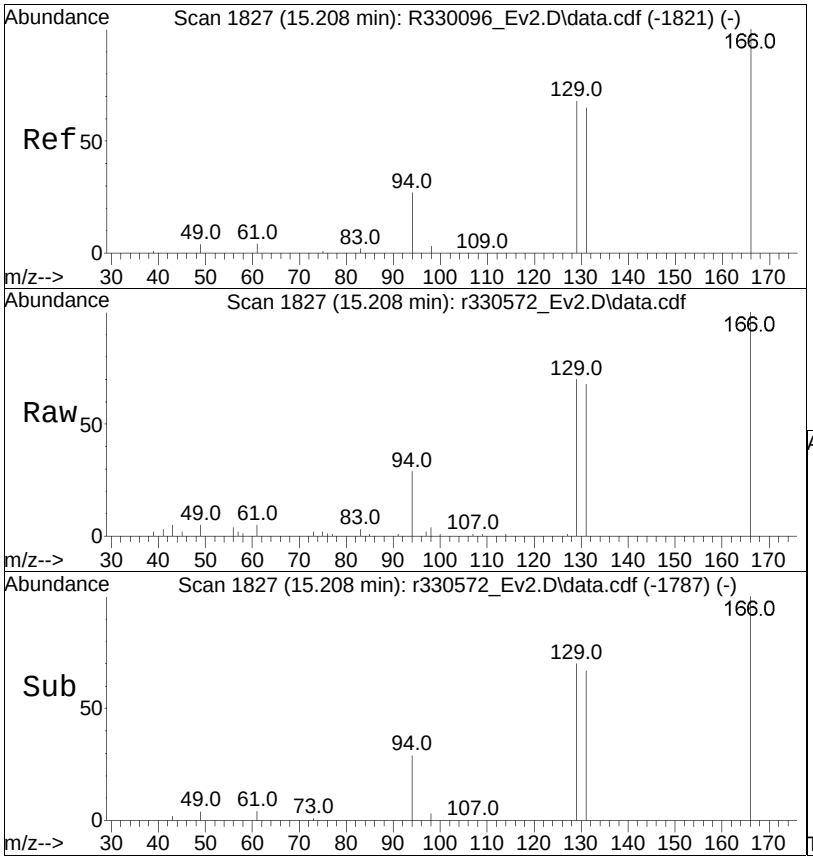


#44
trichloroethene
Concen: 0.03 ppbV m
RT: 11.860 min Scan# 1402
Delta R.T. 0.000 min
Lab File: r330572_Ev2.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion:130 Resp: 518

Ion	Ratio	Lower	Upper
130	100		
132	85.3	75.5	113.3
97	59.9	47.8	71.6

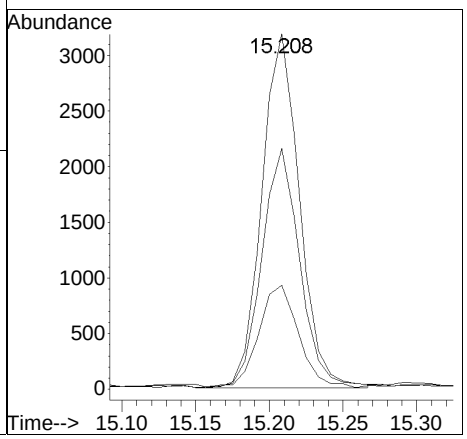




#57
tetrachloroethene
Concen: 0.17 ppbV
RT: 15.208 min Scan# 1827
Delta R.T. 0.000 min
Lab File: r330572_Ev2.D
Acq: 23 Apr 2024 11:50 PM

Tgt Ion:166 Resp: 5648

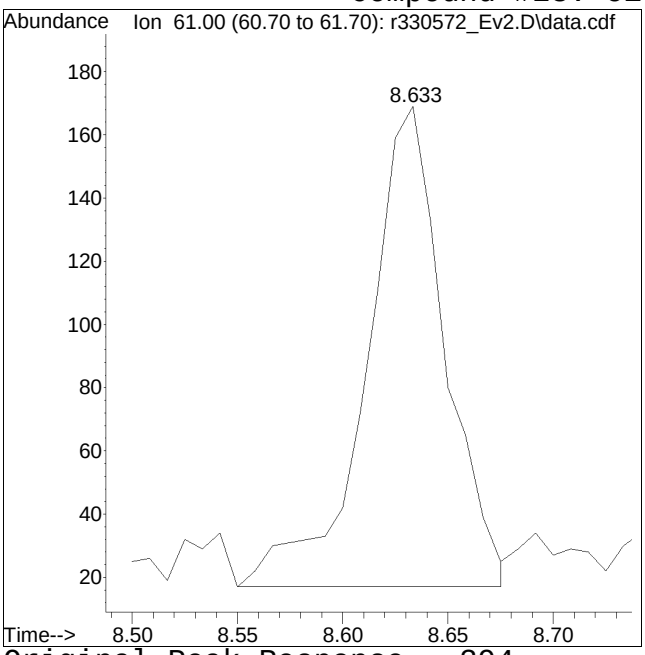
Ion	Ratio	Lower	Upper
166	100		
131	67.7	51.8	77.8
94	29.3	21.9	32.9



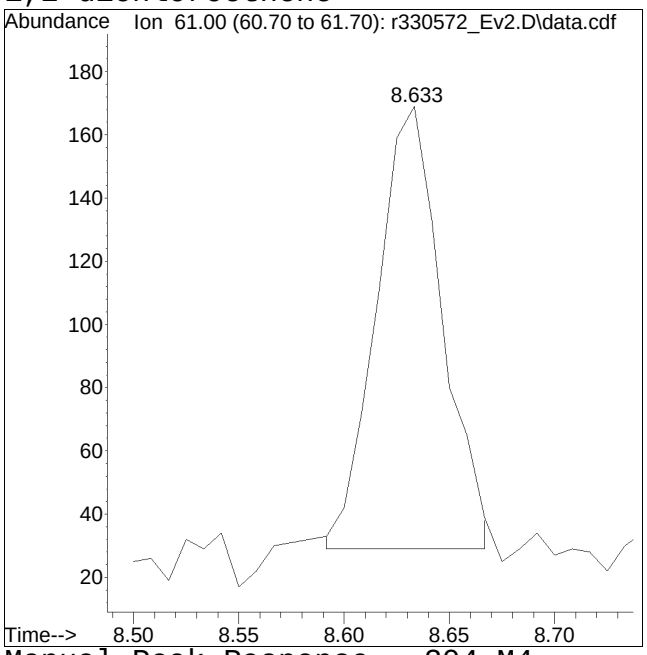
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : r330572_Ev2.D Operator : AIRPIANO3:JMB
Date Inj'd : 4/23/2020 0:1: 0 Instrument :
Sample : WG1912267-5,3,250,250 Quant Date : 4/24/2024 7:29 am

Compound #28: cis-1,2-dichloroethene



Original Peak Response = 394



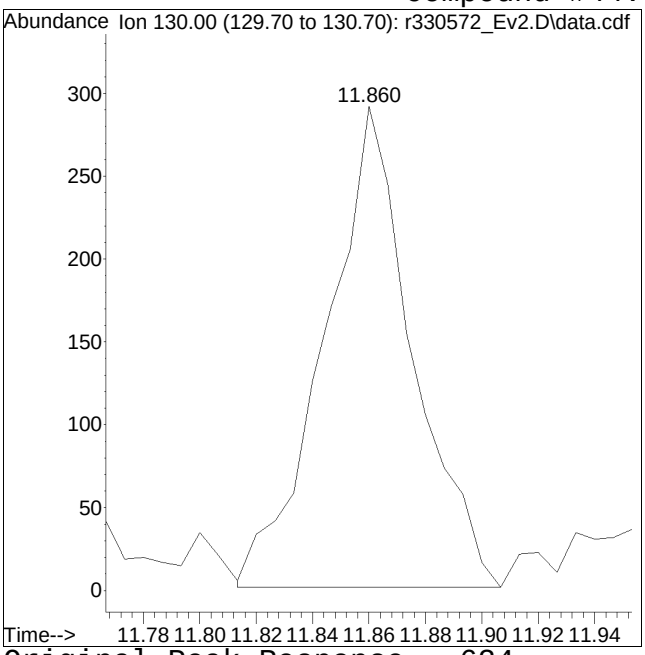
Manual Peak Response = 304 M4

M4 = Poor automated baseline construction.

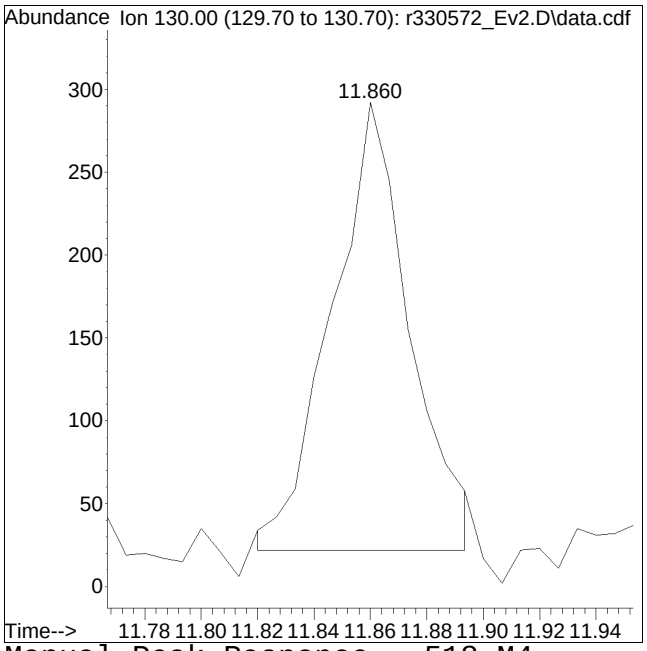
Manual Integration Report

Data Path : O:\Forensics\Data\AirpianoQMethod : TSIM3_240401.M
Data File : r330572_Ev2.D Operator : AIRPIANO3:JMB
Date Inj'd : 4/23/2020 0:1: 0 Instrument :
Sample : WG1912267-5,3,250,250 Quant Date : 4/24/2024 7:29 am

Compound #44: trichloroethene



Original Peak Response = 624



Manual Peak Response = 518 M4

M4 = Poor automated baseline construction.

Calculation of Volatile Organic Compounds in Air

The instrument will calculate the concentration (ppbv). If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

Result, ppbv = C_s x DF
Where:
C_s = Concentration of sample (ppbv)
DF = Dilution Factor

Calculation of Instrument Dilution Factor

For dilutions, smaller sample volumes (< 250mL) are analyzed. The smallest volume that can be analyzed with accuracy is 10 mL.

Samples that arrive at the laboratory with pressures below -15 inches Hg must be pressurized with zero air to greater than -15 inches Hg. This pressurization results in a dilution factor.

Calculation of Dilution Factor
$DF = V_{cf} / V_{ci}$
Where:
V_{ci} = volume of air in canister prior to pressurization, L
P =

Conversion of ppbv to ug/m^3
ug/m^3 = (ppbv) * MW / 24.47
Where:
24.47 = molar gas constant (g/g-mole)
MW = molecular weight of the compound of interest

Dilution Factor for Pressurization of Subatmospheric Samples: Three Steps

Step 1: Calculate the volume in the canister prior to pressurization (Assume a 2.7 liter canister is used).

Dilution Factor for Pressurization of Subatmospheric Samples: Three Steps

Step 1: Calculate the volume in the canister prior to pressurization (Assume a 2.7 liter canister is used).

$V_{ci} = 2.7 * Pl/14.696$

Step 2: Calculate the volume in the canister after pressurization.

$V_{cf} = 2.7 * PF/14.696$

Step 3: Calculate the dilution factor.

$DF = V_{cf} / V_{ci}$

Where:

V_{ci} = volume of air in canister prior to pressurization, L
PI = pressure reading of canister prior to pressurization (psia)
V_{cf} = volume of air in canister after pressurization, L
PF = pressure reading of canister after pressurization (psia)
DF = dilution factor
14.696 = atmospheric pressure (psia)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Apr 24 2024, 12:43 pm

Work Group: WG1912267 for Department: 3 GC/MS

Created: 23-APR-24 Due: Operator: BJB

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2419731-01	IA-1	S	TO15-SIM	AIR	DONE	U	0510	0425	S0	Can-6
L2419731-02	IA-2	S	TO15-SIM	AIR	DONE	U	0510	0425	S0	Can-6
L2419731-03	IA-3	S	TO15-SIM	AIR	DONE	U	0510	0425	S0	Can-6
L2419731-04	IA-4	S	TO15-SIM	AIR	DONE	U	0510	0425	S0	Can-6
L2419731-05	IA-5	S	TO15-SIM	AIR	DONE	U	0510	0425	S0	Can-6
L2419731-06	IA-6	S	TO15-SIM	AIR	DONE	U	0510	0425	S0	Can-6
L2419731-07	AA-7	S	TO15-SIM	AIR	DONE	U	0510	0425	S0	Can-6
L2419731-08	AA-8	S	TO15-SIM	AIR	DONE	U	0510	0425	S0	Can-6
L2420935-02	VOLATILES IN GAS CYLINDER (B)	S	TO15-SIM	AIR	DONE	U	0517	0424	NC	CAN-CHOOSE
WG1912267-1	MS BFB Tune Standard	S	TO15-SIM	AIR	DONE	U				
WG1912267-2	Continuing Calibrati	S	TO15-SIM	AIR	DONE	U				
WG1912267-3	Laboratory Control S	S	TO15-SIM	AIR	DONE	U				
WG1912267-4	Laboratory Method Bl	S	TO15-SIM	AIR	DONE	U				
WG1912267-5	Duplicate Sample	S	TO15-SIM	AIR	DONE	U				

Comments:

WG1912267-5 L2419731-05

Instrument ID: AIRPIANO3

Internal Standard/Surrogate IDs: SS23-027/ SS23-018

Date: 04/01/24

Internal Standard/Surrogate Volume: 100 ml

Analyst Initials: JMB/BJB

Sequence File Name: 240401.S

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)	Product/ Sublist	ck Pass ? Y/N
1	BA3033001	TO15_SFS.qgm	R330085.qgd	250 mL			NA
1	BA3033002	TO15_SFS.qgm	R330086.qgd	250 mL			NA
1	BA3033003	TO15_SFS.qgm	R330087.qgd	250 mL			NA
1	TA3033001	TO15_SFS.qgm	R330088.qgd	250 mL	TUNE		NA
5	ITO15-SIMSTD0.02	TO15_SFS.qgm	R330089.qgd	50 mL SS24-006D	GC ERROR	DO NOT USE	NA
5	ITO15-SIMSTD0.02	TO15_SFS.qgm	R330090.qgd	50 mL SS24-006D	SIM ONLY	DEF	NA
5	ITO15-SIMSTD0.05	TO15_SFS.qgm	R330091.qgd	125 mL SS24-006D	SIM ONLY	DEF	NA
5	ITO15-SIMSTD0.1	TO15_SFS.qgm	R330092.qgd	250 mL SS24-006D	SIM ONLY	DEF	NA
6	ITO15-SIMSTD0.2	TO15_SFS.qgm	R330093.qgd	50 mLSS24-006C		DEF	NA
6	ITO15-SIMSTD0.5	TO15_SFS.qgm	R330094.qgd	125 mLSS24-006C		DEF	NA
6	ITO15-SIMSTD1.0	TO15_SFS.qgm	R330095.qgd	250 mLSS24-006C		DEF	NA
7	ITO15-SIMSTD5.0	TO15_SFS.qgm	R330096.qgd	125 mL SS24-006B		DEF	NA
7	ITO15-SIMSTD010	TO15_SFS.qgm	R330097.qgd	250 mL SS24-006B		DEF	NA
8	ITO15-SIMSTD020	TO15_SFS.qgm	R330098.qgd	50 mL SS24-006A		DEF	NA
8	ITO15-SIMSTD050	TO15_SFS.qgm	R330099.qgd	125 mLSS24-006A		DEF	NA
8	ITO15-LLSTD100	TO15_SFS.qgm	R330100.qgd	250 mL SS24-006A	LL ONLY	DEF	NA
1	BA3033001	TO15_SFS.qgm	R330101.qgd	250 mL			NA

1	BA3033002	TO15_SFS.qgm	R330102.qgd	250 mL		USED AS BFB	NA
2	CTO15-LLSTD010	TO15_SFS.qgm	R330103.qgd	250 mL SS24-011A		DEF-ICV-AP2	NA
2	CTO15-SIMSTD5.0	TO15_SFS.qgm	R330104.qgd	125 mL SS24-011A		DEF-ICV-AP2	NA

Column ID: Rtx-1 0.25 mm ID

Date(s) of Initial Calibration: Refer to Initial Calibration Summary Form 6

Date Acquired: see Instrument Performance Check Summary and/or quantitation report.

Sample ID information: { Lab sample ID, dept #, actual volume analyzed (mL), nominal volume analyzed (mL) }
L1301234-01,3,250,250

Dilution Factor: See Form 1 report, or divide nominal volume by actual volume analyzed

Instrument ID: AIRPIANO3

Internal Standard/Surrogate IDs: SS23-027/ SS23-018

Date: 04/23/24

Internal Standard/Surrogate Volume: 100 ml

Analyst Initials: BJB

Sequence File Name: 240423.S

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)	Product/ Sublist	Check Pass ? Y/N
1	TA3042301	TO15_SFS.qgm	R330558.qgd	250 mL SS24-006E	DO NOT USE		NA
1	TA3042301	TO15_SFS.qgm	R330559.qgd	250 mL SS24-006E	TUNE		NA
1	CA3042301	TO15_SFS.qgm	R330560.qgd	250 mL SS24-006E	LL CC		NA
4	CTO15-LLTD10	TO15_SFS.qgm	R330561.qgd	125 mL SS24-011D	LL LCS		NA
4	CTO15-SIMTD10	TO15_SFS.qgm	R330562.qgd	125 mL SS24-011D	SIM LCS		NA
1	BA3042301	TO15_SFS.qgm	R330563.qgd	250 mL	LL BLANK		NA
1	BA3042302	TO15_SFS.qgm	R330564.qgd	250 mL	SIM BLANK		Y
2	L2419731-07,3,250,250	TO15_SFS.qgm	R330565.qgd	WG1912266,ICAL21001		NY+NAPH – 7 SIM	Y
3	L2419731-08,3,250,250	TO15_SFS.qgm	R330566.qgd	WG1912266,ICAL21001		NY+NAPH – 7 SIM	Y
4	L2419731-01,3,250,250	TO15_SFS.qgm	R330567.qgd	WG1912266,ICAL21001		NY+NAPH – 7 SIM	Y
5	L2419731-02,3,250,250	TO15_SFS.qgm	R330568.qgd	WG1912266,ICAL21001		NY+NAPH – 7 SIM	Y
6	L2419731-03,3,250,250	TO15_SFS.qgm	R330569.qgd	WG1912266,ICAL21001		NY+NAPH – 7 SIM	Y
7	L2419731-04,3,250,250	TO15_SFS.qgm	R330570.qgd	WG1912266,ICAL21001		NY+NAPH – 7 SIM	Y
8	L2419731-05,3,250,250	TO15_SFS.qgm	R330571.qgd	WG1912266,ICAL21001		NY+NAPH – 7 SIM	Y
8	L2419731-05DUP,3,250,250	TO15_SFS.qgm	R330572.qgd	WG1912266,ICAL21001	LL/SIM DUP	NY+NAPH – 7 SIM	Y
9	L2419731-06,3,250,250	TO15_SFS.qgm	R330573.qgd	WG1912266,ICAL21001		NY+NAPH – 7 SIM	Y
10	L2421038-01,3,250,250	TO15_SFS.qgm	R330574.qgd	WG1912266,ICAL21001		LEDVANCE	Y
11	L2421038-02,3,250,250	TO15_SFS.qgm	R330575.qgd	WG1912266,ICAL21001		LEDVANCE	Y

12	L2421038-03,3,250,250	TO15_SFS.qgm	R330576.qgd	WG1912266,ICAL21001		LEDVANCE	Y
13	L2421038-04,3,250,250	TO15_SFS.qgm	R330577.qgd	WG1912266,ICAL21001		LEDVANCE	Y
14	L2421038-05,3,250,250	TO15_SFS.qgm	R330578.qgd	WG1912266,ICAL21001		LEDVANCE	Y
15	L2422011-01,3,250,250	TO15_SFS.qgm	R330579.qgd	WG1912266,ICAL21001		NY+NAPH	Y
16	L2420935-01,3,250,250	TO15_SFS.qgm	R330580.qgd	WG1912266,ICAL21001	ALSO L2420935-02 BY SIM	ACETONE BY LL/ TOL, ACETONE BY SIM	Y
1	L2422011-02,3,250,250	TO15_SFS.qgm	R330581.qgd	WG1912266,ICAL21001		NY+NAPH	Y
2	L2422011-03D,3,125,250	TO15_SFS.qgm	R330582.qgd	WG1912266,ICAL21001	T	NY+NAPH	Y

Column ID: Rtx-1 0.25 mm ID

Date(s) of Initial Calibration: Refer to Initial Calibration Summary Form 6

Date Acquired: see Instrument Performance Check Summary and/or quantitation report.

Sample ID information: L1301234-01,3,250,250 { Lab sample ID, dept #, actual volume analyzed (mL), nominal volume

Dilution Factor: See Form 1 report, or divide nominal volume by actual volume analyzed

Alpha Analytical, Inc.
Canister Dilution Worksheet

	NJDEP Required Information							Pressurization Dilution				Can Dilution				Instrument Dilution				
Sample ID	Can size, L	P_1, in Hg	P_1, atm	V_1, L	P_2, in Hg	P_2, atm	V_2, L	P_1, psia	P_2, psia	Dilution factor	Gas Used*	Volume injected, mL	Final Pressure, psia	Volume of Dilution Gas in Can, L	Can dilution factor	Volume of Bag or Can Analyzed, mL	Instrument Dilution Factor	Final Dilution Factor **	Final Volume Injected, mL ***	Analyst Initials
L2419731-09D	6.0	-2.39	0.92	5.52	30.06	2.00	12.02	13.5	29.4	2.18	N2	100	29.4	2.00	20.04	150	1.67	72.74	3.44	BJB
L2419731-14D	6.0	-2.80	0.91	5.44	30.06	2.00	12.02	13.3	29.4	2.21	N2	1000	14.7	1.00	1.00	40	6.25	13.82	18.10	BJB

Barcode	SAMPLE ID SCANS
#NAME?	I2419731-09a
#NAME?	I2419731-14a
#NAME?	
#NAME?	
#NAME?	
#NAME?	
#NAME?	
#NAME?	
#NAME?	
#NAME?	
#NAME?	
#NAME?	
#NAME?	
#NAME?	
#NAME?	

*N2 = Nitrogen and H2= Hydrogen
** Dilution factor on this spreadsheet may differ from reported dilution factor (calculated by LIMs) due to different rounding rules
*** Reported to 2 decimal places unless 0.01 or less; then 3 decimal places are reported
Analyst data input fields

Analyst Comments:

in Hg = ((psia/14.67)*29.94)-29.94 atm =psia/14.67 psig=psia - 14.67 psia = dilution instrument reading

Form# 117-05
4/24/2024 11:51 AM

Attachment 6

April 2024 Investigation Data Usability Summary Report

June 28, 2024

Mr. Gary Weissberger
Environmental Logic
15 Princess Road, Suite K
Lawrenceville, New Jersey 08648

Re: Data Usability Summary Report – Alpha Analytical – L2419731

Dear Mr. Weissberger:

The evaluation of volatile organic analytical data by Alpha Analytical for eight air and eight soil vapor samples from the 245 West 55th Street site, which were reported in a single data package under Job No. L2419731, has been completed. The following samples were reported:

IA-1	IA-2	IA-3	IA-4
IA-5	IA-6	AA-7	AA-8
SSG-1	SSG-2	SSG-3	SSG-4
SSG-5	SSG-6	SSG-7	SSG-8

Analyses were performed in accordance with EPA Method TO-15 (Volatile Organics) and TO-15 SIM (Selected Ion Monitoring). The review was performed to the extent possible, in accordance with the analytical methods and "DER-10/ Technical Guidance for Site Investigation and Remediation". Professional judgment is applied as necessary and appropriate. Qualifiers consistent with those defined by EPA Region 2 are applied as necessary and appropriate.

Below is the Data Usability Summary Report (DUSR) associated with these samples.

Data Usability Summary Report	
1. Is the data package complete as defined under the requirements for the most current DEC ASP Category B or USEPA CLP data deliverables?	Yes
2. Have all holding times been met?	Yes
3. Do all the QC data; blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?	Yes
4. Have all of the data been generated using established and agreed upon analytical protocols?	Yes
5. Does an evaluation of the raw data confirm the results provided in the data summary sheet and the quality control verification forms?	Yes
6. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?	Yes

7. Have any quality control (QC) exceedances been specifically noted in the DUSR and have the corresponding QC summary sheet from the data package been attached to the DUSR?	Yes

Overall Evaluation

Based on the data review effort, no qualification of sample results is made.

Qualifier definitions are provided in Attachment A. A copy of the chain of custody record is provided in Attachment B.

The following components were reviewed, where applicable:

- Chain of Custody
- Receiving conditions
- Holding times
- Preservation
- Analyte lists
- Reporting limits
- Requested methods
- Units, and
- Sample related quality control data:
  - Clean Canister Certification
  - Method blanks
  - Field blanks
  - Trip Blanks
  - Surrogate recoveries
  - LCS/LCSD recoveries
  - MS/MSD recoveries
  - Internal standards
  - Serial dilutions
  - Duplicates
- Instrument related quality control data:
  - Instrument tunes
  - Calibration summaries
  - Interference Check Standards

In the remaining sections of this report, only those quality excursions resulting in qualified data are discussed below. Quality control excursions having no impact on sample results are not discussed.

Documentation: A completeness review of the data package was performed, and the data package was determined to be a complete Category B data package.

Improper edits were observed on the chain of custody (COC). Edits should be made by drawing a single line through the entry error, dated and initialed by the person making the edit.

Holding Times, Preservation, Sample Integrity:

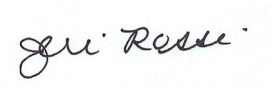
A copy of the applicable chain of custody (COC) record was included in the data package, documenting a sample collection date of April 10, 2024. The samples were received on April 11, 2024. All samples were received intact and analyzed within method holding time.

A. Volatile Organics

Sample results are determined to be usable as reported, based on the data provided.

Please feel free to contact me at (908) 370-3431 or richjerirossi513@gmail.com if you have any questions regarding this data package review report or need further information.

Sincerely,



Jeri L Rossi, CEAC

Environmental Consulting Chemist

ATTACHMENT A

Qualifier Definitions

EPA Qualifier Definitions

U The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.

J The result 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 analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value is the estimated concentration in the sample.

UJ The analyte was analyzed for but was not detected. The reported quantitation limit 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 sample.

ATTACHMENT B

CHAIN OF CUSTODY (COC)

AIR ANALYSIS

PAGE 1 OF 2

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/11/24

ALPHA Job #: L2419731

Client Information

Client: Environmental Logic, LLC
Address: 15 Princess Rd, Suite K
Lawrenceville, NJ
Phone: 6099100720
Fax:
Email: nmaksymiw@env-logic.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 245 W. 55th
Project Location: New York, NY
Project #: 23-0001
Project Manager: Gary Weissberger
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☑ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☒ Additional Deliverables: NYS category B
Report to: (if different than Project Manager)

Billing Information

☑ Same as Client info PO #: 21825

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: NYS category B Deliverables

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH Subset Non-petroleum HCs	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
19731-01	1A-1	4/10/24	709	1509	-30.43	-5.51	AA	NM	6	1695	01667	X					
-02	1A-2	4/10/24	701	1501	-30.59	-5.23	AA		6	1569	0578	X					
-03	1A-3		658	1458	-30.41	-3.75	AA		6	2389	0037	X					
-04	1A-4		702	1502	-30.40	-4.82	AA		6	2988	02485	X					
-05	1A-5		705	1505	-30.49	-5.19	AA		6	2939	01635	X					
-06	1A-6		704	1504	-30.19	-5.01	AA		6	3062	01536	X					
-07	AA-7		659	1459	-30.12	-5.35	AA		6	1941	01583	X					
-08	AA-8		748	1548	-30.47	-5.27	AA		6	927	01633	X					
-09	SSG-1		708	1508	-30.36	-3.49	SV		6	3347	01926	X					
-10	SSG-2		702	1502	-30.35	-3.98	SV		6	932	02169	X					

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: CS

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
Paul Maggeo	4/11/24 1030	Paul Maggeo	4/11/24 1630
Paul Maggeo	4/11/24 1335		4/11/24 1698
	4/11/24		4/11/24 2056

Form No: 10-132 Rev: 2 (Sep-15)

AIR ANALYSIS

PAGE 2 OF 2

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19731.11	SSG-3	4/10/24	659	1459	-30.36	-4.82	SV	NM	6	1036	0779	X					
.12	SSG-4		701	1501	-30.46	-4.10	SV		6	3944	0953	X					
.13	SSG-5		704	1504	-30.25	-4.28	SV		6	3063	01336	X					
.14	SSG-6		705	1505	-30.40	-3.83	SV		6	3574	0229	X					
.15	SSG-7		658	1458	-29.50	-4.01	SV		6	2940	01962	X					
.16	SSG-8		749	1549	-30.37	-3.89	SV		6	1517	0336	X					

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: 6S

Relinquished By:	Date/Time	Received By	Date/Time:
Mark Vogel Aty	4/11/24 1029	Paul Maggella Pam	4/11/24 1030
Paul Maggella	4/11/24 1355	Paul Maggella	4/11/24 1604
	4/11/24		4/11/24 2025

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Form No: 101-02 Rev: (25-Sep-15)