Soil Vapor Data Summary Report

Popular Hand Laundry
88 Ingraham Street
Brooklyn, New York

VCP Site No. V00170
AECOM Project No.: 60754065

AECOM
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Quality information

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Executive Summary

This Soil Vapor Data Summary Report has been prepared by AECOM USA, Inc. (AECOM) under New York State Department of Environmental Conservation (NYSDEC) Work Assignment No. D009803-56 for the Popular Hand Laundry Site (Site) (**Figure 1**). The purpose of this report is to summarize the field activities and analytical sampling results associated with the 2025/2026 heating season soil vapor intrusion (SVI) sampling performed by AECOM at the Popular Hand Laundry Site.

The Popular Hand Laundry Site is located at 88 Ingraham Street, Brooklyn, New York, 11237 (Block 2998, Lot 19). It consists of a 0.2-acre property that is occupied with a multi-story building and adjoining garage and is designated as a M1-2 on New York City Zoning Maps for light industrial/commercial uses. The Site is bound by Ingraham Street to the north, and commercial/industrial properties to the east, west, and south. The Site is in the New York State Voluntary Cleanup Program (NYS VCP) as Site No. V00170, administered by NYSDEC. The Site was entered into the VCP on September 22, 1998, by a previous property owner, under Voluntary Cleanup Agreement No. W2-0813-98-06, with intent to remediate.

Since at least 1933, the Site building has been used for skein dyeing, dry cleaning, and laundry operations allegedly operated by Klink. The property was acquired by Popular Hand Laundry circa 1970 and operated for dry cleaning services. The Site currently operates as a furniture restoration business and an art gallery/workspace.

Soil, groundwater, and soil vapor investigations and remedial activities were conducted at the Site between 1996 and 2016. The primary contaminants of concern were determined to be chlorinated solvents (trichloroethylene and tetrachloroethene) in soil, groundwater, and soil vapor, related to historical Site operations. The primary remedial activity was the installation and operation of an Air Sparge/Soil Vapor Extraction (AS/SVE) system that operated between 2001 and 2016. Following NYSDEC approval, the AS/SVE system was decommissioned, and an active Sub-Slab Depressurization System (SSDS) was installed in 2016. A Declaration of Covenants and Restrictions for the Site was executed by NYSDEC on November 16, 2015, and contained a series of Institutional Controls (ICs), required by the Final Engineering Report (FER, EnviroTrac, July 2017) to be implemented along with Engineering Controls (ECs) under the approved Site Management Plan (SMP, EnviroTrac, September 2017).

There are a series of ICs outlined in the SMP, including land use restrictions, and annual certifications and reporting requirements. There are two Engineering Controls outlined in the SMP, including a Site Cover System and a SSDS. There are three primary components to the Site monitoring specified in the SMP: Site-wide inspection, SSDS Monitoring, and Cover System monitoring. Each of these were evaluated by AECOM during an on-Site inspection conducted by AECOM staff on May 22, 2025. The inspection was attended by the NYSDEC Project Manager as well as the current property owner.

To assess the current subsurface soil vapor concentrations, SVI sampling was conducted from existing SSDS monitoring points during the 2025/2026 heating season. The sub-slab soil vapor samples were collected from three existing monitoring points (VP-1, VP-2, and VP-3). In addition to soil vapor samples collected from the three existing monitoring points, three indoor air samples were collocated with the monitoring point samples and one outdoor ambient air sample. The ambient air sample was collected in front of the building on Ingraham St.

The results of the 2025/2026 heating season SVI sampling indicated exceedances of NYSDOH Decision Matrix guidelines for select chlorinated solvent compounds. Based on the results, the recommendation is for the SSDS fan to be turned back on, and additional sampling be performed during the 2026/2027 heating season. The annual Site inspection is required by June 1, 2026, and will be documented in the Periodic Review Report that will be submitted to NYSDEC for review and approval.

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1. Introduction

This Soil Vapor Data Summary Report has been prepared by AECOM under NYSDEC Work Assignment No. D009803-56 for the Site (**Figure 1**). The purpose of this report is to summarize the field activities and analytical sampling results associated with the 2025/2026 heating season soil vapor intrusion (SVI) sampling performed by AECOM at the Popular Hand Laundry Site.

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1.1 Site History

Since at least 1933, the Site building has been used for skein dyeing, dry cleaning, and laundry operations allegedly operated by Klink. The property was acquired by Popular Hand Laundry circa 1970 and operated for dry cleaning services. The Site currently operates as a furniture restoration business and an art gallery/workspace.

Soil, groundwater, and soil vapor investigations and remedial activities were conducted at the site between 1996 and 2016. The primary contaminants of concern were determined to be chlorinated solvents (trichloroethylene and tetrachloroethene) in soil, groundwater, and soil vapor, related to historical site operations. The primary remedial activity was the installation and operation of an AS/SVE system that operated between 2001 and 2016. Following NYSDEC approval, the AS/SVE system was decommissioned, and an active SSDS was installed in 2016. A Declaration of Covenants and Restrictions for the Site was executed by NYSDEC on November 16, 2015, and contained a series of Institutional Controls (ICs), required by the Final Engineering Report (FER, EnviroTrac, July 2017) to be implemented along with Engineering Controls (ECs) under the approved Site Management Plan (SMP, EnviroTrac, September 2017).

Groundwater monitoring was initially required by the SMP, but was discontinued with NYSDEC approval, in a letter dated December 22, 2021, after three annual events showed reduced concentrations of chlorinated volatile organic compounds (VOCs). The groundwater monitoring wells were subsequently abandoned, as documented in the Periodic Review Report (PRR) for the period of October 1, 2021, through May 2023 (P.W. Grocer, May 2023).

2. Institutional Controls and Engineering Controls

The property is subject to the Declaration of Covenants and Restrictions. The SMP requires periodic monitoring and certification to confirm that the Site remedy continues to be effective in protecting public health and the environment.

2.1 Institutional Controls

There are a series of Institutional Controls outlined in the SMP, including:

- The property subject to the Declaration of Covenants and Restrictions;
- Unless prior written approval by the NYSDEC or, if the NYSDEC shall no longer exist, any New York State agency or agencies subsequently created to protect the environment of the State and the health of the State's citizens, hereinafter referred to as "the Relevant Agency," is first obtained, where contamination remains at the property subject to the provisions of the SMP, there shall be no construction, use or occupancy of the property that results in the disturbance or excavation of the property which threatens the integrity of the ECs or which results in unacceptable human exposure to contaminated soils;
- The owner of the property shall not disturb, remove, or otherwise interfere with the installation, use, operation, and maintenance of the ECs required for the remedy, which are described in the SMP, unless in each instance the owner first obtains a written waiver of such prohibition from the NYSDEC or relevant agency;
- The owner of the property shall prohibit the property from ever being used for purposes other than for Commercial use as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial use as described in 6 NYCRR Part 375-1.8(g)(2)(iv) without the express written waiver of such prohibition by the NYSDEC or relevant agency;
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the New York City Health Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain approval to do so from the NYSDEC;
- The owner of the property shall provide access to and cooperate with the responsible party to allow the responsible party to arrange for a periodic certification, prepared and submitted by a professional engineer or environmental professional acceptable to the NYSDEC or relevant agency, which will certify that the ICs and ECs put in place are unchanged from the previous certification, comply with the SMP, and have not been impaired;
- The owner of the property and the Responsible Party (RP) shall continue in full force and effect any ICs and ECs required for the remedy and maintain such controls, unless the owner or the RP first obtains permission to discontinue such controls from the NYSDEC or relevant agency, in compliance with the approved SMP, which is incorporated and made enforceable hereto, subject to modifications as approved by the NYSDEC or relevant agency;
- The Declaration is and shall be deemed a covenant that shall run with the land and shall be binding upon all future owners of the property, and shall provide that the owner and its successors and assigns consent to enforcement by the NYSDEC or relevant agency of the prohibitions and restrictions that the Voluntary Cleanup Agreement (VCA) requires to be recorded, and hereby covenant not to contest the authority of the NYSDEC or relevant agency to seek enforcement;
- Any deed of conveyance of the property, or any portion thereof, shall recite, unless the NYSDEC or relevant agency has consented to the termination of such covenants and restrictions that said conveyance is subject to the Declaration of Covenants and Restrictions;
- A sub-slab depressurization system (SSDS) installed at the Site will be certified and inspected on an annual basis.

2.2 Engineering Controls

There are two Engineering Controls outlined in the SMP, including the:

- Site Cover; and
- Sub-Slab Depressurization System.

2.2.1 Site Cover

Exposures to remaining soil and groundwater contamination at the Site are prevented by a cover system. The cover system consists of the building foundation slabs and/or paved surfaces that cover the entire property footprint. Included in the SMP is an Excavation Work Plan (EWP) which outlines procedures in the event the cover system is breached.

2.2.2 Sub-Slab Depressurization System (SSDS)

The SSDS is comprised of an interconnected network of piping beneath the building slabs that is connected to a vacuum blower (fan) designed to induce a vacuum that collects and feeds any vapors/gases that collect beneath the building to the ambient air at roof level. The SSDS, when functioning as designed, will prevent these gases or vapors from infiltrating the building and exposing occupants to remaining contamination in the subsurface.

3. Monitoring Activities

To assess the current subsurface soil vapor concentrations, SVI sampling was conducted from existing SSDS monitoring points during the 2025/2026 heating season. Prior to sampling, the SSDS fan was switched off on December 5, 2025 to allow subsurface conditions to equilibrate for at least 30 days prior to sampling.

The 2025/2026 heating season SVI sampling was conducted on January 20, 2026. The sub-slab soil vapor samples were collected from three existing monitoring points (VP-1, VP-2, and VP-3). In addition to soil vapor samples collected from the three existing monitoring points, three indoor air samples were collocated with the monitoring point samples and one outdoor ambient air sample. The outdoor ambient air sample was collected in front of the building on Ingraham St.

All soil vapor and air samples were collected over an eight-hour period based on the building's use for commercial purposes, and in general accordance with the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH, 2006 inclusive of updates). A NYSDOH Indoor Air Quality Questionnaire and Building Inventory was completed prior to sampling and can be found in **Appendix A**. The location of the monitoring points that were sampled is shown on **Figure 2**.

Samples were analyzed by Pace Analytical Services, a New York State Environmental Laboratory Approval Program (NYS ELAP) certified laboratory for VOCs. The results were compared to the New York State Department of Health (NYSDOH) Vapor Intrusion Guidance Soil Vapor and Indoor Air Decision Matrices. The NYSDOH Vapor/Indoor Air Decision Matrices can be found in **Appendix B**.

3.1 SSDS Monitoring Point Soil Vapor Sampling

Three soil vapor samples were collected from three existing monitoring points (VP-1, VP-2, and VP-3). The soil vapor samples were collected using batch certified clean laboratory evacuated 2.7-liter Summa canisters and eight-hour laboratory-calibrated flow regulators. The regulators for the cannisters were calibrated at the flow rate of approximately 0.006 liters per minute (L/min).

Prior to sampling, a helium tracer gas was utilized to ensure a seal and prevent indoor (ambient) air from infiltrating the sample tubing at each location. To perform the test, a plastic enclosure was placed over the monitoring point. The sample tubing was run through a hole on the side of the enclosure and VOC-free plumbers putty was used to seal the interface between the tubing and the enclosure. The enclosure was then sealed at the ground surface with additional VOC-free plumbers putty. A tank containing ultra-high purity helium (99.999 %) was connected to a side port of the enclosure and helium was released to displace any ambient air and to maintain a positive pressure within the enclosure. Following the application of the tracer gas, one liter of soil vapor was purged using an air sample pump and collected into a 1-liter Tedlar bag. The contents of the Tedlar bag were measured for helium using a Radiodetection MGD-2002 helium detector. Monitoring points were considered sufficiently sealed and helium test passed if contents of the Tedlar bag remained below 10% helium. All three existing monitoring locations passed this helium test.

After the helium test was conducted, soil vapor and indoor air sample collection was initiated. Upon opening the canister valve, the initial vacuum pressure was recorded from the built-in gauge on the flow controller. After the 8-hour sampling period, the canister vacuum was recorded, and the valve was then closed. The tubing was removed and the monitoring point was resealed. Summa Canister Sampling Logs for each sample location can be found in **Appendix C**. A photographic log of sampling activities can be found in **Appendix D**.

The soil vapor and air samples were picked up by a Pace Analytical Services courier under chain-of-custody protocols for transport to the lab for analysis for Method TO-15 SIM.

3.2 Indoor Air and Outdoor Air Sampling

Three indoor air samples were collocated adjacent to the three existing soil vapor sampling points. One outdoor ambient air sample was placed on Ingraham Street directly outside of the site property. The indoor air and outdoor air samples were collected using batch certified clean laboratory evacuated 2.7-liter Summa canisters. Eight-hour laboratory-calibrated flow regulators were used for these locations. The regulators for the cannisters were calibrated at the flow rate of approximately 0.006 liters per minute (L/min). Upon opening the canister valve, the initial vacuum pressure was read from the built-in gauge on the flow controller and recorded onto a Summa Canister Sampling Log. After the 8-hour sampling period, the canister vacuum was recorded on the summa canister field log, and the valve was then closed. The Summa Canister Sampling Logs can be found in **Appendix C**.

4. Results of the Investigation

4.1 Soil Vapor Intrusion Investigation Sampling Results

Soil vapor samples were collected from three existing monitoring points associated with the Site's SSDS at 88 Ingraham Street, Brooklyn on January 20, 2026. Three indoor air samples were collocated with each monitoring point sample and one outdoor ambient air sample.

All samples were analyzed via Method TO-15 SIM and results have been evaluated in general accordance with the NYSDOH Guidance for Evaluating Soil Vapor Intrusion including the NYSDOH Soil Vapor/Indoor Air Decision Matrices last updated in February 2024 (**Appendix B**). The matrices were used to evaluate the results for the compounds below at each location:

- **Matrix A –** Trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), 1,1-dichloroethene (1,1-DCE), carbon tetrachloride
- **Matrix B –** Tetrachloroethene (PCE), 1,1,1-trichloroethane (1,1,1-TCA), methylene chloride
- **Matrix C –** Vinyl chloride
- **Matrix D –** Benzene, ethylbenzene, naphthalene, cyclohexane, isooctane (2,2,4-trimethylpentane), 1,2,4-trimethylpentane, 1,3,5-trimethylbenzene, o-xylene
- **Matrix E –** m,p-Xylene, heptane, hexane
- **Matrix F –** toluene

NYSDOH Soil Vapor Guidance also provides air guideline values for indoor air for TCE, PCE, and Methylene Chloride.

- PCE: 30 µg/m^3
- TCE: 2 µg/m^3
- Methylene chloride: 60 µg/m^3

PCE was detected in all indoor air, soil vapor, and the outdoor ambient air samples.

Methylene chloride, carbon tetrachloride, and TCE were detected in all indoor air samples. Methylene chloride and carbon tetrachloride were also detected in the outdoor ambient air sample, but TCE was not detected in the outdoor ambient air.

Other compounds detected in the soil vapor and indoor air at potentially elevated concentrations included ethanol, cis-1,2-DCE, toluene, and styrene.

All results were compared against the product inventories recorded on the day of sampling. The area of the building where VP-1 and VP-2 are located is used as an art studio and paint odors, various paints (spray paints and canned paints), used paint brushes, and recently completed artwork was observed. To the extent feasible, the paints were placed in bags and zip tied to prevent interference during sampling. There were no ambient PID readings in the indoor air at the time the canisters were turned on for sampling. All results were evaluated against the NYSDOH Decision Matrices A, B, C, D, E, and F. Below is a summary of results at each monitoring point.

VP-1

The indoor air concentration of carbon tetrachloride of exceeded the indoor air concentration of Matrix A guideline [3] but the soil vapor sample concentration was below the Matrix A guideline. The carbon tetrachloride results indicate no further action is needed.

The soil vapor concentration for PCE exceeded the sub-slab Matrix B guideline but the indoor air concentration is below the Matrix A indoor air guidelineas well as the ambient air guideline. The PCE results indicate no further action is needed.

The indoor air and sub-slab concentrations of TCE exceed both the Matrix A indoor air and sub-slab guidelines respectively. However, the indoor air concentration is also below the ambient air guideline. TCE was not detected in the outdoor ambient air sample. The TCE results indicate additional monitoring is recommended.

VP-2

The indoor air concentration of carbon tetrachloride exceeded the indoor air Matrix A guideline but the soil vapor sample concentration was below the Matrix A guideline. Carbon tetrachloride was also detected in the outdoor ambient air sample. The carbon tetrachloride results indicate no further action is needed.

The indoor air concentration of TCE exceeded the indoor air Matrix A guideline but the soil vapor concentration is below the sub-slab Matrix A guideline. The TCE indoor air concentration is also below the ambient air guideline of 2 µg/m^3. TCE was not detected in the outdoor ambient air sample. The TCE results indicate no further action is needed.

VP-3

The soil vapor concentration of cis-1,2-DCE exceeded the Matrix A guideline but was not detected in the indoor air or the outdoor ambient air samples. The cis-1,2-DCE results indicate no further action is needed.

The indoor air concentration of carbon tetrachloride exceeded the Matrix A guideline but the soil vapor concentration is below the sub-slab Matrix A guideline. Carbon tetrachloride was also detected in the outdoor ambient air sample. The carbon tetrachloride results indicate no further action is needed.

The indoor air and sub-slab concentrations of TCE exceeded their Matrix A guidelines. The indoor air concentration is below the ambient air guideline for TCE and was not detected in the outdoor ambient air sample. Based on the TCE results, mitigation is recommended.

A summary of detected VOCs in the 2025/2026 Heating Season SVI samples, collected from three SSDS monitoring points, three indoor sampling points, and one outdoor ambient air sample, is presented in **Table 1**. The laboratory data reports can be found in **Appendix E**.

4.2 Data Validation and Data Usability Summary Report

Analytical data was reported in accordance with NYSDEC's Analytical Services Protocol (ASP) Category B Deliverable requirements.

A Data Usability Summary Report (DUSR) was prepared by Laboratory Data Consultants following the guidelines provided in Department of Environmental Remediation DER-10 Technical Guidance for Site Investigation and Remediation, Appendix 2B, Guidance for Data Deliverables and the Development of Data Usability Summary Reports (May 2010). The complete validated analytical results and Form 1s are located in the DUSRs found in **Appendix F**.

The DUSR indicated that the data is useable with minor qualifications due to laboratory quality control results outside of acceptable limits. No sample results were rejected based on data validation.

5. Recommendations and Future Activities

The January 2026 SVI sampling conducted at the Popular Hand Laundry Site indicated that concentrations of select chlorinated compounds exceed the NYSDOH Decision Matrix guidelines for both sub-slab and indoor air.

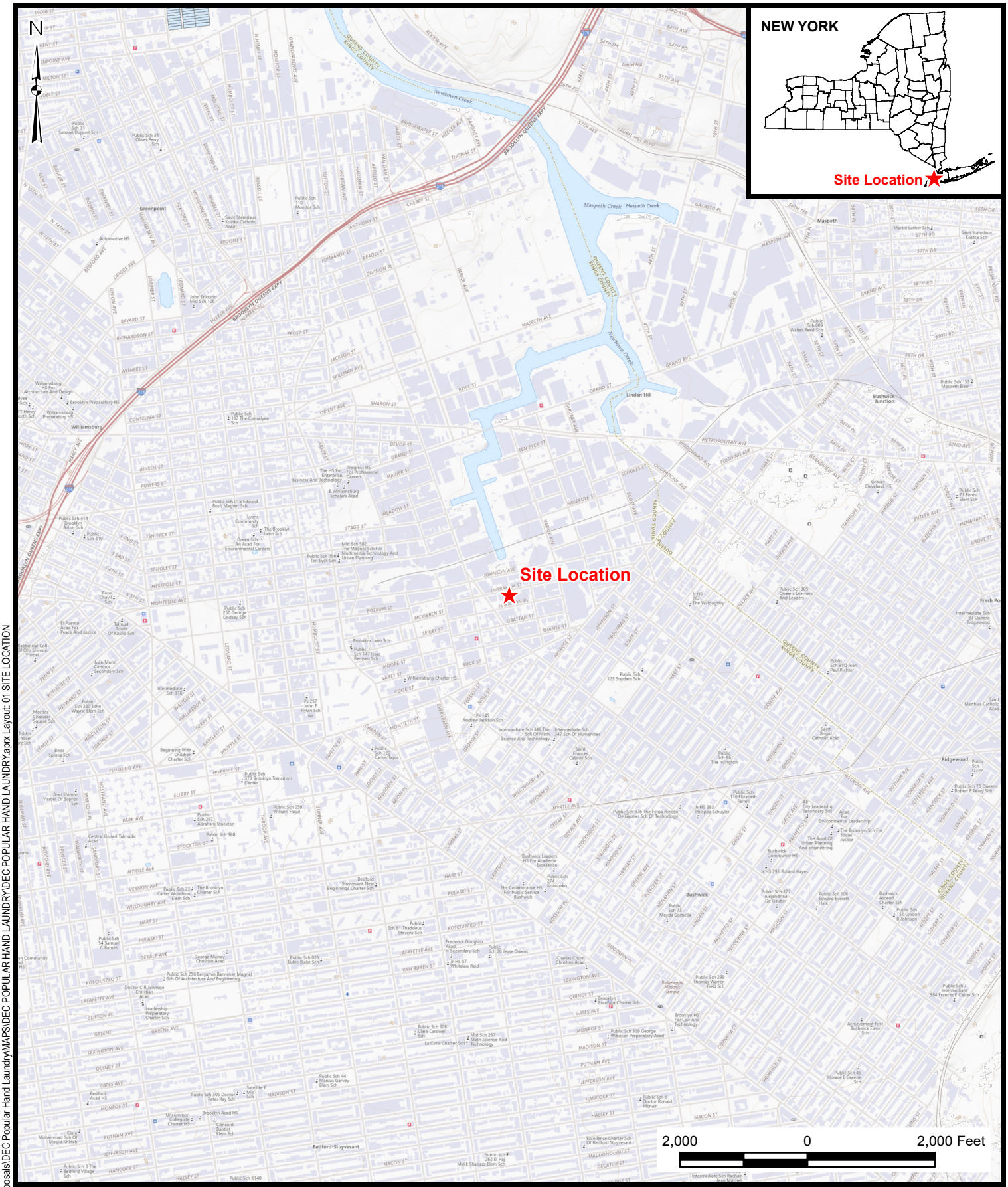
At VP-1 the indoor air TCE concentration exceeded the Matrix A guideline for no further action and additional monitoring is recommended. At VP-3, the indoor air TCE concentration exceeded the Matrix A guideline for monitoring and mitigation is recommended. Based on these results, it is recommended that the SSDS fan be switched back on to maximize the effectiveness of the system, and additional sampling from monitoring points should be conducted during the 2026/2027 heating season.

The annual Site inspection of engineering controls as part of the Site's Periodic Review is required by June 1, 2026, and system function will be assessed during the inspection. The inspection will also confirm Site use and building floor conditions. The inspection findings will be documented in a Periodic Review Report which will be submitted to NYSDEC for review and approval.

Table 1 - Summary of Soil Vapor and Indoor Air Results (January 2026)
Soil Vapor Data Summary Report
Popular Hand Laundry (Site No. V00170)

		NYSDOH Soil Vapor/Indoor Air Decision Matrices			VP-1 VP-1-20260120 1/20/2026 AS	IA-1 IA-1-20260120 1/20/2026 AI	NYSDOH Soil Vapor/Indoor Air Decision Matrix Action	VP-2 VP-2-20260120 1/20/2026 AS	IA-2 IA-2-20260120 1/20/2026 AI	NYSDOH Soil Vapor/Indoor Air Decision Matrix Action	VP-3 VP-3-20260120 1/20/2026 AS	IA-3 IA-3-20260120 1/20/2026 AI	NYSDOH Soil Vapor/Indoor Air Decision Matrix Action	AA-1 AA-1-20260120 1/20/2026 AI
Analyte	Units	Matrix	Sub-Slab Criteria	Indoor Air Criteria										
1,1,1-Trichloroethane (TCA)	ug/m3	B	<100 to >1000	<3 to >10	< 2.09 U	< 0.109 U	No further action	1.72	< 0.109 U	No further action	19.1	< 0.109 U	No further action	< 0.109 U
1,1,2,2-Tetrachloroethane	ug/m3				< 2.63 U	< 0.137 U		< 0.137 U	< 0.137 U		< 0.137 U	< 0.137 U		< 0.137 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3				< 7.34 U	0.475		0.468	0.475		0.498	0.537		0.544
1,1,2-Trichloroethane	ug/m3				< 2.09 U	< 0.109 U		< 0.109 U	< 0.109 U		< 0.109 U	< 0.109 U		< 0.109 U
1,1-Dichloroethane	ug/m3				< 1.55 U	< 0.081 U		< 0.081 U	< 0.081 U		42.9	< 0.081 U		< 0.081 U
1,1-Dichloroethene	ug/m3	A	<6 to >60	<0.2 to >1	< 1.52 U	< 0.079 U	No further action	< 0.079 U	< 0.079 U	No further action	< 0.079 U	< 0.079 U	No further action	< 0.079 U
1,2,4-Trichlorobenzene	ug/m3				< 7.11 U	< 0.371 U		< 0.371 U	< 0.371 U		< 0.371 U	< 0.371 UJ		< 0.371 UJ
1,2,4-Trimethylbenzene	ug/m3	D	<60 to >600	<2 to >10	5.26	1.9	No further action	8.11	1.82	No further action	4.86	1.56	No further action	0.477
1,2-Dibromoethane (Ethylene Dibromide)	ug/m3				< 2.94 U	< 0.154 U		< 0.154 U	< 0.154 U		< 0.154 U	< 0.154 U		< 0.154 U
1,2-Dichlorobenzene	ug/m3				< 2.3 U	< 0.12 U		< 0.12 U	< 0.12 U		< 0.12 U	< 0.12 U		< 0.12 U
1,2-Dichloroethane	ug/m3				< 1.55 U	0.085		0.057 J	0.085		0.065 J	0.121		0.081
1,2-Dichloropropane	ug/m3				< 1.77 U	< 0.092 U		< 0.092 U	< 0.092 U		< 0.092 U	< 0.092 U		< 0.092 U
1,2-Dichlorotetrafluoroethane	ug/m3				< 6.7 U	0.098 J		0.091 J	0.098 J		0.105 J	0.154 J		0.14 J
1,3,5-Trimethylbenzene (Mesitylene)	ug/m3	D	<60 to >600	<2 to >10	1.22 J	0.56	No further action	1.38	0.56	No further action	0.777	0.438	No further action	0.128
1,3-Dichlorobenzene	ug/m3				< 2.3 U	< 0.12 U		< 0.12 U	< 0.12 U		< 0.12 U	< 0.12 U		< 0.12 U
1,4-Dichlorobenzene	ug/m3				< 2.3 U	0.078 J		< 0.12 U	< 0.12 U		< 0.12 U	< 0.12 U		< 0.12 U
1,4-Dioxane (P-Dioxane)	ug/m3				< 6.92 U	< 0.36 U		< 0.36 U	< 0.36 U		< 0.36 U	< 0.36 UJ		< 0.36 UJ
2,2,4-Trimethylpentane	ug/m3	D	<60 to >600	<2 to >10	3.4 J	0.57 J	No further action	0.537 J	0.472 J	No further action	3.45	0.434 J	No further action	0.406 J
Benzene	ug/m3	D	<60 to >600	<2 to >10	< 6.13 U	0.917	No further action	1.44	0.885	No further action	1.27	0.891	No further action	0.642
Benzyl Chloride	ug/m3				< 9.94 U	< 0.518 U		< 0.518 U	< 0.518 U		< 0.518 U	< 0.518 U		< 0.518 U
Bromodichloromethane	ug/m3				< 2.57 U	< 0.134 U		< 0.134 U	< 0.134 U		< 0.134 U	< 0.134 U		< 0.134 U
Bromoform	ug/m3				< 3.96 U	< 0.207 U		< 0.207 U	< 0.207 U		< 0.207 U	< 0.207 U		< 0.207 U
Bromomethane	ug/m3				< 1.49 U	< 0.078 U		< 0.078 U	< 0.078 U		< 0.078 U	< 0.078 U		0.043 J
Carbon Tetrachloride	ug/m3	A	<6 to >60	<0.2 to >1	< 2.41 U	0.516	No further action	4.15	0.472	No further action	0.27	0.61	No further action	0.56
Chlorobenzene	ug/m3				< 8.84 U	< 0.461 U		< 0.461 U	< 0.461 U		< 0.461 U	< 0.461 U		< 0.461 U
Chloroethane	ug/m3				< 5.07 U	< 0.264 U		< 0.264 U	< 0.264 U		0.306	< 0.264 U		< 0.264 U
Chloroform	ug/m3				< 1.87 U	0.176		5.91	0.186		24.2	0.156		0.103
Chloromethane (Methyl Chloride)	ug/m3				< 7.91 U	1.1		0.477	1.17		0.673	1.23		1.19
cis-1,2-Dichlorethene	ug/m3	A	<6 to >60	<0.2 to >1	3.19	< 0.079 U	No further action	< 0.079 U	< 0.079 U	No further action	476	< 0.079 U	No further action	< 0.079 U
cis-1,3-Dichloropropene	ug/m3				< 1.74 U	< 0.091 U		< 0.091 U	< 0.091 U		< 0.091 U	< 0.091 U		< 0.091 U
Cyclohexane	ug/m3	D	<60 to >600	<2 to >10	< 13.2 U	0.268 J	No further action	0.52 J	0.31 J	No further action	0.651 J	0.344 J	No further action	0.248 J
Dibromochloromethane	ug/m3				< 3.26 U	< 0.17 U		< 0.17 U	< 0.17 U		< 0.17 U	< 0.17 U		< 0.17 U
Dichlorodifluoromethane	ug/m3				< 18.9 U	1.89		1.82	1.88		2.15	2.63		2.47
Ethanol	ug/m3				254	80.1		27.1	91.8		22	43.1		5.75 J
Ethylbenzene	ug/m3	D	<60 to >600	<2 to >10	3.08	0.586	No further action	4.21	0.643	No further action	3.4	0.764	No further action	0.417
Hexachlorobutadiene	ug/m3				< 10.2 U	< 0.533 U		< 0.533 U	< 0.533 U		< 0.533 U	< 0.533 U		< 0.533 U
m,p-Xylene	ug/m3	E	<200 to >2000	<6 to >20	9.9	2.12	No further action	14.2	2.34	No further action	11.2	2.97	No further action	1.44
Methyl Ethyl Ketone (2-Butanone)	ug/m3				18.9 J	2.77		75.8	3.19		97.3	2.34		1.8
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/m3				< 39.3 U	< 2.05 U		< 2.05 U	< 2.05 U		< 2.05 U	< 2.05 U		< 2.05 U
Methylene Chloride	ug/m3	B	<100 to >1000	<3 to >10	< 33.3 U	1.53 J	No further action	< 1.74 U	1.16 J	No further action	0.598 J	1.08 J	No further action	0.629 J
Naphthalene	ug/m3	D	<60 to >600	<2 to >10	< 5.02 U	0.136 J	No further action	0.425	< 0.262 U	No further action	0.262	0.131 J	No further action	0.147 J
N-Heptane	ug/m3	E	<200 to >2000	<6 to >20	3.53 J	1.13	No further action	2.19	1.17	No further action	3.21	1.89	No further action	0.541 J
N-Hexane	ug/m3	E	<200 to >2000	<6 to >20	< 13.5 U	3.03	No further action	2.17	0.705	No further action	17.8	0.902	No further action	0.856
o-Xylene (1,2-Dimethylbenzene)	ug/m3	D	<60 to >600	<2 to >10	4.24	0.921	No further action	5.17	1.04	No further action	3.92	1.02	No further action	0.513
Styrene	ug/m3				1.71	6.09		6.9	17.5		17.5	3.11		0.192
tert-Butyl Alcohol	ug/m3				< 29 UJ	< 1.52 UJ		1.58 J	< 1.52 UJ		3.94 J	< 1.52 U		< 1.52 U
tert-Butyl Methyl Ether	ug/m3				< 13.8 U	< 0.721 U		< 0.721 U	< 0.721 U		< 0.721 U	< 0.721 U		< 0.721 U
Tetrachloroethene (PCE)	ug/m3	B	<100 to >1000	<3 to >10	158	0.678	No further action	15	1.06	No further action	88.2	0.976	No further action	0.488
Toluene	ug/m3	F	<300 to >3000	<10 to >50	233	6.52	No further action	20	6.93	No further action	19.3	9.16	No further action	2.14
trans-1,2-Dichloroethene	ug/m3				7.69	0.056 J		< 0.079 U	< 0.079 U		79.7	< 0.079 U		< 0.079 U
trans-1,3-Dichloropropene	ug/m3				< 1.74 U	< 0.091 U		< 0.091 U	< 0.091 U		< 0.091 U	< 0.091 UJ		< 0.091 UJ
Trichloroethene (TCE)	ug/m3	A	<6 to >60	<0.2 to >1	21	0.865	Monitor	0.36	0.817	No further action	123	0.387	Mitigate	< 0.107 U
Trichlorofluoromethane	ug/m3				1.29 J	0.967		1.15	0.955		1.26	1.37		1.3
Vinyl Chloride	ug/m3	C	<6 to >60	0.2	< 0.979 U	< 0.051 U	No further action	< 0.051 U	< 0.051 U	No further action	0.294	< 0.051 U	No further action	< 0.051 U

Notes:
Compounds analyzed via EPA Method TO-15 SIM
U - indicates the compound was not detected above the reporting limit
J - indicates an estimated value
Bold numbers indicate a NYSDOH recommended action



File Path: L:\DCS\Resources\RDMS\Proposals\DEC Popular Hand Laundry\MAPS\DEC POPULAR HAND LAUNDRY.aprx Layout: 01 SITE LOCATION

AECOM
605 3RD AVENUE
3RD FLOOR
NEW YORK, NEW YORK 10158
PHONE: (212) 377-8700

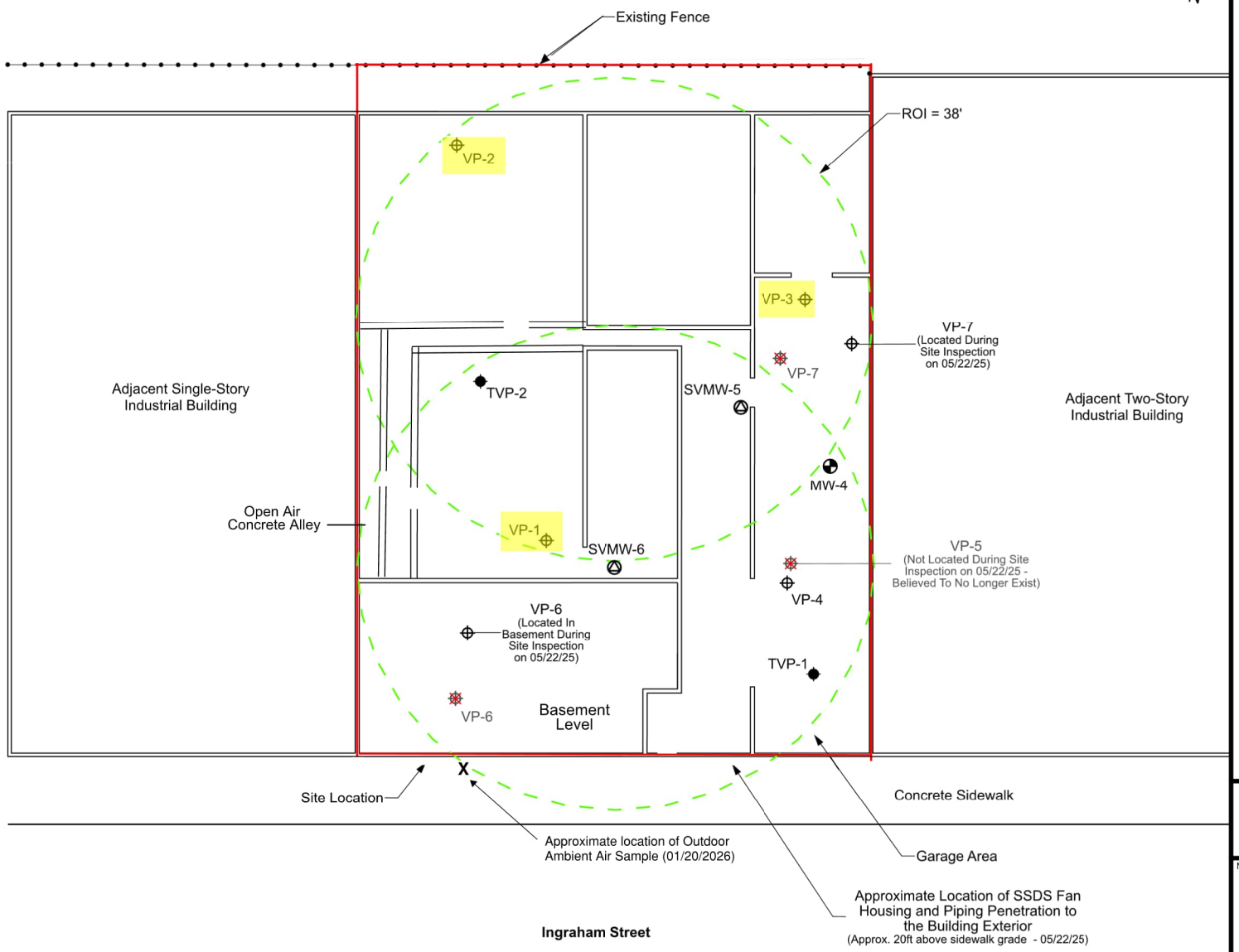
Source: USGS The National Map, 2025

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
POPULAR HAND LAUNDRY

SITE LOCATION

88 INGRAHM STREET
BROOKLYN, NY 11237

FILE NAME:	DRAWN:	PROJECT NO.:	DATE:	FIGURE NO.:
DEC POPULAR HAND LAUNDRY	ML	60754065	4/7/2025	1



Legend

- Existing Monitoring Well Location
- Existing Vapor Extraction Location
- Existing Vapor Point Location
- Existing Vapor Point Location (Not Located)
- Temporary Vapor Point Location
- Radius of Influence
- January 2026 Air and Indoor Air Sample Locations 01/20/2026

Sources:
1. Envirotrac's Final Site Management Plan, Sep. 2017
2. AECOM observations from May 22, 2025 Site Inspection

15 0 15 Feet

AECOM
605 3RD AVENUE
3RD FLOOR
NEW YORK, NEW YORK 10158
PHONE: (212) 377-8700

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
POPULAR HAND LAUNDRY

SOIL VAPOR SAMPLING LOCATIONS (JANUARY 20, 2026)

88 INGRAHM STREET
BROOKLYN, NY 11237

FILE NAME:	DRAWN:	PROJECT NO.:	DATE:	FIGURE NO.:
DEC POPULAR HAND LAUNDRY	ML	60754065	6/25/2025	2

File Path: Z:\Rockyhill\USRKH1\DCS\Projects\ENV\60630110_Waterbury_North_MGP\900_CAD_GIS\920_GIS\APRX\FormerWaterburyNorthMGP_2025\DEC POPULAR HAND LAUNDRY.aprx Layout: 02 SITE PLAN

Appendix A NYSDOH Air Quality Questionnaire and Building Inventory

OSR – 3

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: ZIMMERMAN First Name: MARTIN

Address: 88 INGRAHAM ST

County: BROOKLYN. N.Y. 11237

Home Phone: 718 269 9219 Office Phone: 212 947 8143

Number of Occupants/persons at this location 6-8 Age of Occupants 35-65.

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

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: 211 PROSPECT AVE

County: BROOKLYN N.Y. 11215

Home Phone: 718 269 9219 Office Phone: 212 947-8143

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) ART STUDIO / DESIGN / FABRICATION / FURNITURE RESTORATION.

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

Other characteristics:

Number of floors 2 Building age 1920s / GARAGE 70s

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 15 x 20 ft.
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: 9 (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: ELECTRIC

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other_____
Air conditioning:	Central Air	Window units	Open Windows	None

MINI SPLITS

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	MECHANICAL / SPRINKLER / ELECTRIC / STORAGE
1st Floor	ART / DESIGN STUDIOS
2nd Floor	ART / DESIGN / PHOTOGRAPHY / SHOWROOM, OFFICE / STORAGE
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? ART STUDIOS

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? GROUND FL. WORK.

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? OUTSIDE

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? REGULAR PAINT THINNER / DENATURED ALCOHOL

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: 5505. ?
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

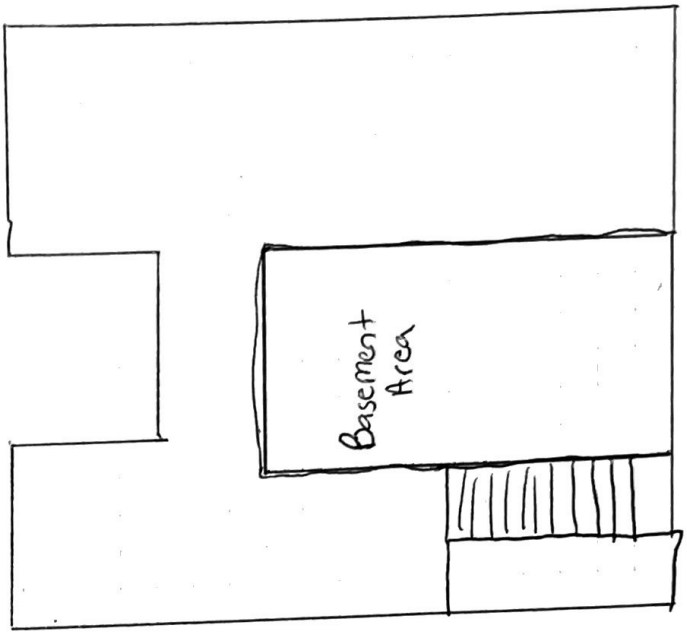
c. Responsibility for costs associated with reimbursement explained? Y / N

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

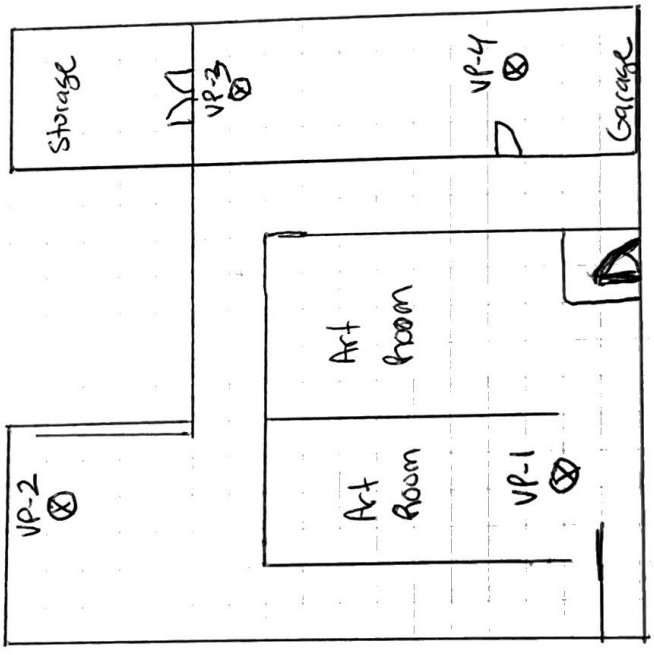
11. FLOOR PLANS

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:



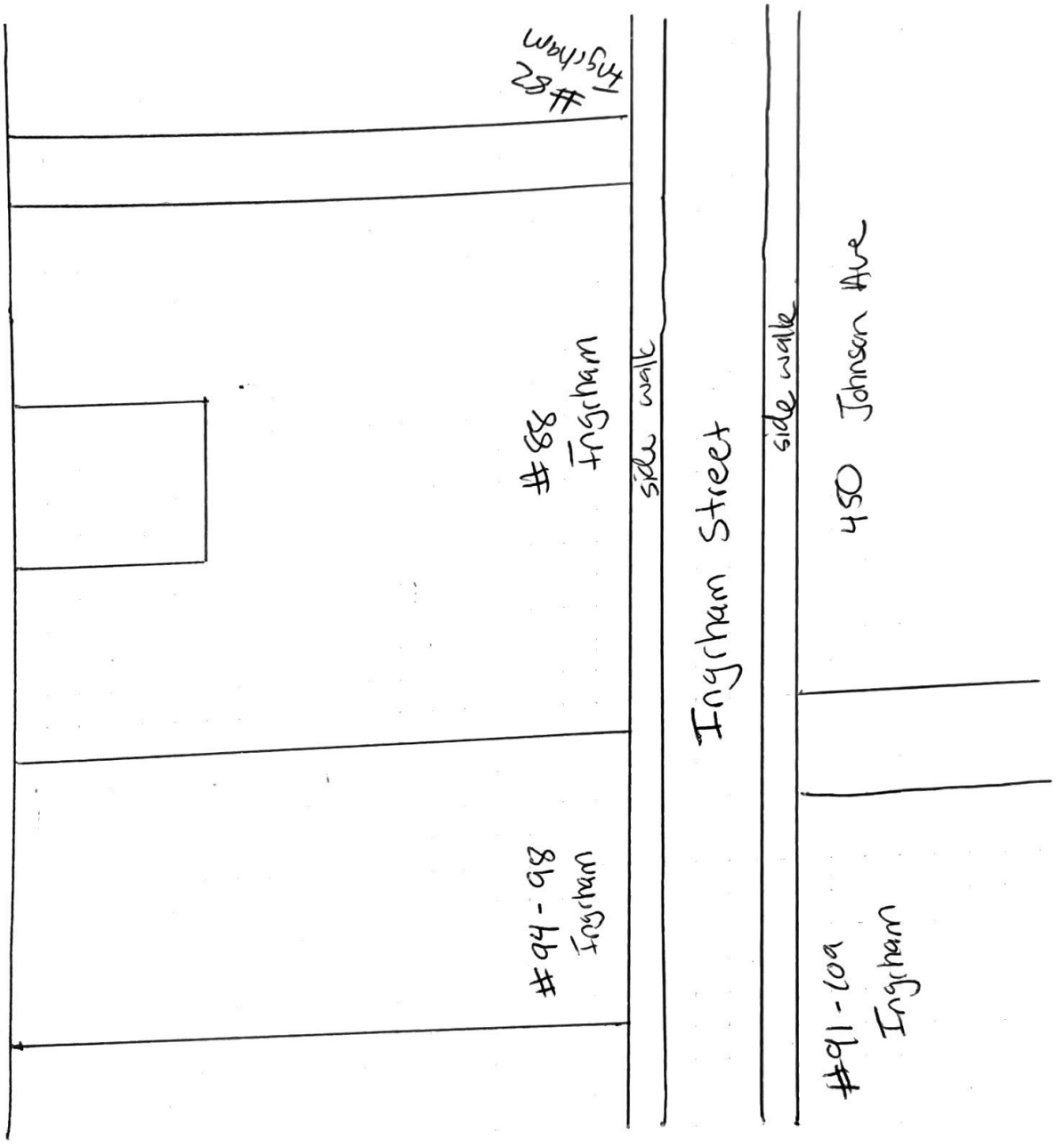
First Floor:



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.

TIM'S SPACE INVENTORY

- 1 qt ACETONE
- 2 100+ Various types spray Paint - Stored on Shelves.
- 2 Full 5 gallon gasoline cans } on floor.
- 3 1 gallon Jugs of mineral spirits. }
- 2 100 Squeeze bottles of oil-based Paint. stored on Shelves.
- Actively drying artwork on Walls.
- 50+ used Paint brushes. (Bagged.), some Stored on Shelves.
- MAIN ROOM
- SIDE ROOM
  - Used Paint Brushes 100+ on work bench
  - oil based Paint Squeeze bottles
  - Drying artwork on wall
  - strong odor.

FROM ENVIROTRAC.

OSR - 3

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 VICTOR A. CARDOZA Date/Time Prepared 2/17/16 10:00AM

Preparer's Affiliation Soundkeep (EnviroTrac Ltd) Phone No. 631-924-3001

Purpose of Investigation SVI

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: ZIMMERMAN First Name: MARTIN

Address: 88 INGRAHAM ST.

County: Brooklyn/Kings

Home Phone: 212-947-8143 Office Phone: 212-947-8143

718-269-9219

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? 1

If the property is commercial, type?

Business Type(s) Furniture Restoration/Art Studio. / INTERIOR DESIGN

Does it include residences (i.e., multi-use)? Y (N) If yes, how many? ~~1930's or so~~ . .

Other characteristics:

Number of floors 2 Building age 1930's 1950's or so / GARAGE ~1970's

Is the building insulated? Y (N) To Be Insulated 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 ½
c. Basement floor:	concrete	dirt	stone	other various openings.
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: ~~10-12~~ 9' (feet) ~~1 story Building @ grade.~~

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

various holes in basement floor for utilities also random locations

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: Electrical Heaters

Boiler/furnace located in: Basement Outdoors Main Floor Other N/A

Air conditioning: Central Air ~~Window units~~ Open Windows None

Mini splits - Heat pumps.

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	~~[illegible]~~ 1/2 BASEMENT. STORAGE, WATER SVC, ELECTRICAL, WATER HEATER
1st Floor	PAINTING, SCULPTING, WOOD WORK SVC
2nd Floor	STORAGE OF PAINTS, THINNERS, ETC.
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 CAR

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? for work

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? outside

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: Art supplies

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? check list.

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) N/A

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

Is there a radon mitigation system for the building/structure? (Y) / N Date of Installation: _____
Is the system active or passive? Active/Passive ?

9. WATER AND SEWAGE

Water Supply:	(Public Water)	Drilled Well	Driven Well	Dug Well	Other: _____
Sewage Disposal:	(Public Sewer)	Septic Tank	Leach Field	Dry Well	Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

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

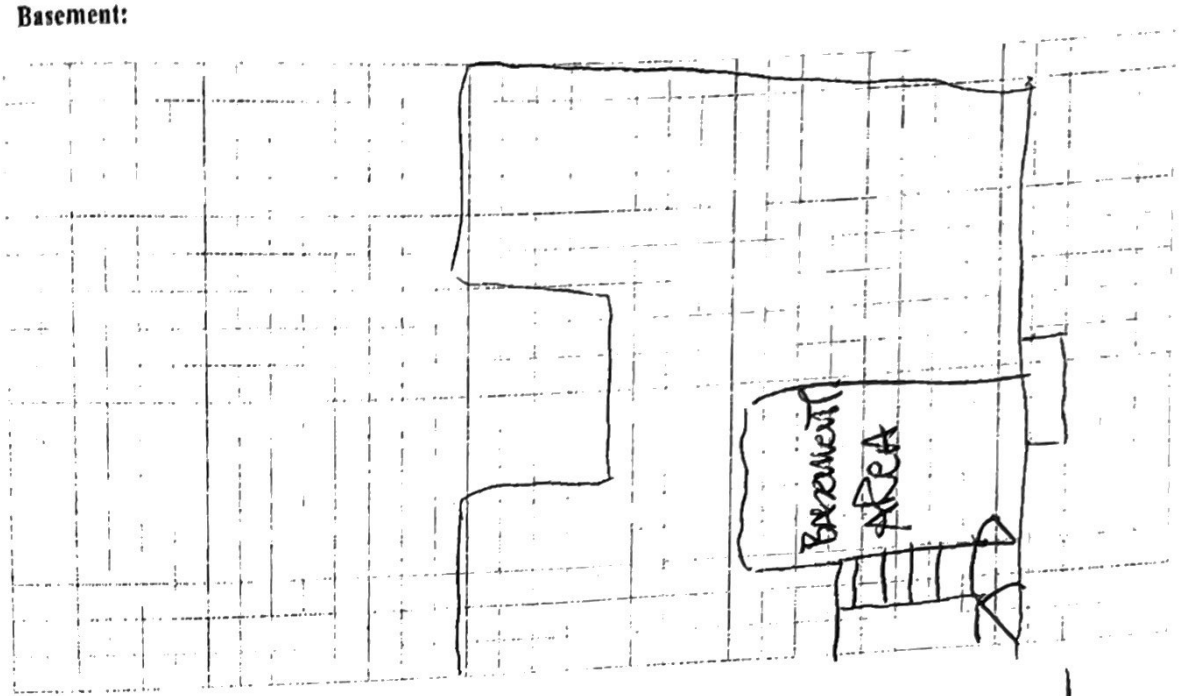
c. Responsibility for costs associated with reimbursement explained? Y / N

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

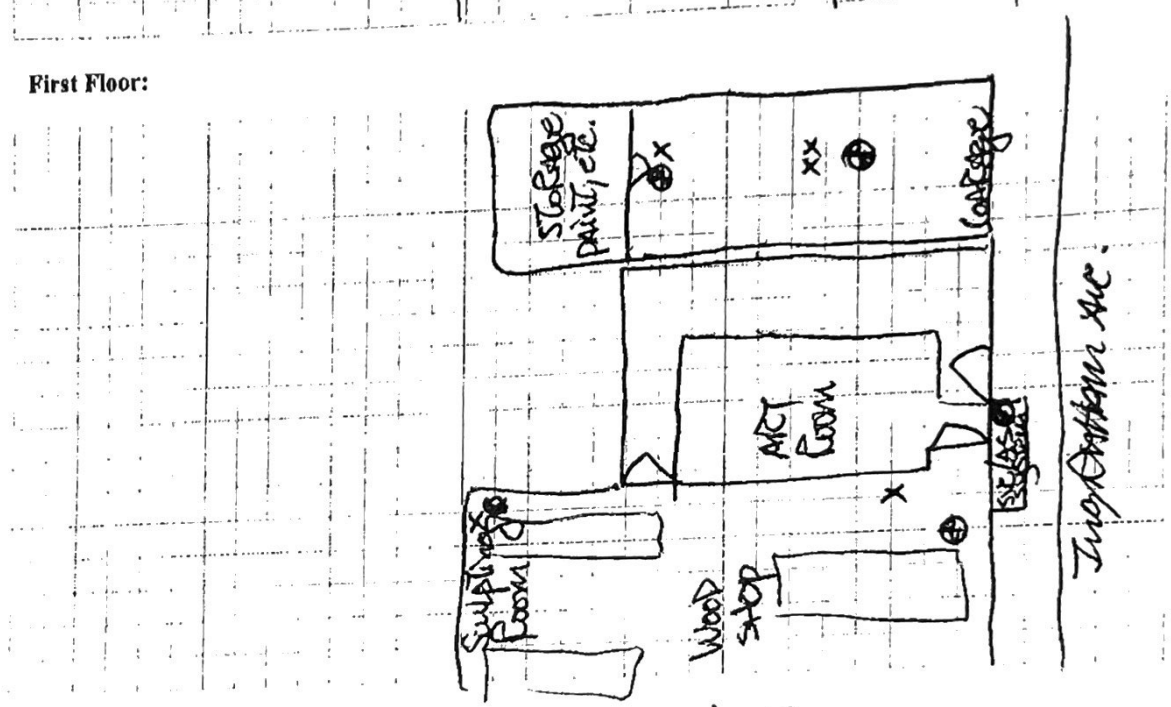
11. FLOOR PLANS

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:

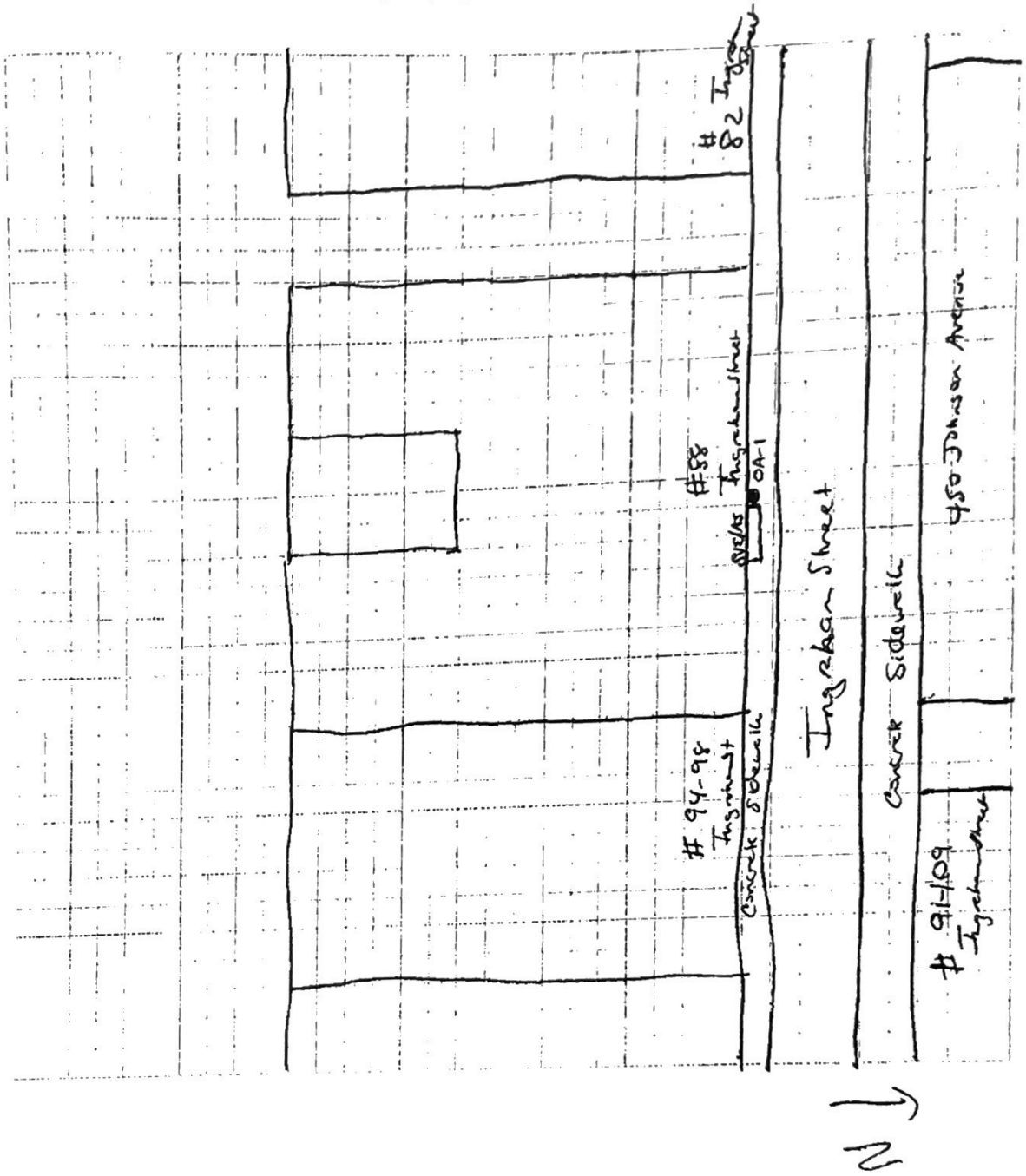


⊕ = SVP locations
X = IA locations
Ø = OA location

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
	BM Alkyd Porch and Floor Enamel	3 gal	Good		NA	N
	Minwax Highbuild Polyurethane	1 gal	Good			
✓	Fine Paints of Europe Hollanlac	1 gal	Good			
	Fuller O'Brien Liquid Lite Alkyd Satin Enamel	1 gal	Good			
	Janovic Plaza Quick Drying High Gloss Enamel	2 gal	Good			
	BM Satin Impervo Alkyd Low Lustre Enamel	46 qt.	Good			
	BM Satin Impervo High Gloss	8 qt.	Good			
✓	BM Satin Imperfo Metal and Wood Enamel	3 qt.	Good			
	Pratt and Lambert Cellu-Tone Alkyd Enamel	4 qt.	Good			
	Pratt and Lambert Interior Oil Satin	8 qt.	Good			
	Farrow and Ball Oil Eggshell	5 qt.	Good			
✓	Pratt and Lambert Ovation Latex Designer Glaze	5 qt.	Good			
✓	Ronan Ron-Glo Fluorescent Paint	4 qt.	Good			
✓	Chromatic Lettering Enamel	1 qt.	Good			
✓	Sign Painters One Shot Lettering Enamel	1 qt	Good			
	ML Campbell Resistant Satin	1 gal	Good			
	ML Campbell Magnalac Precatalyzed Lacquer	8 gal	Good			
	ML Campbell Magnalac Precatalyzed Lacquer Gloss	5 gal	Good			
	Dupont Nason Ful-Thane	4 gal	Good			

* 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.

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
✓	Ronan Decorators Varnish	4 gal	Good		NA	N
	Ronan Aquacote Bulletin Enamel High Gloss	3 gal	Good			
✓	Benjamin Moore (BM) Advanced Waterbourne Interior Alkyd High Gloss	2 gal	Good			
✓	BM Regal Premium Interior Flat	14 gal	Good			
✓	BM Clear Shield Laminate Gloss	4 gal	Good			
✓	BM Advanced Satin	1 qt.	Good			
✓	BM Fresh Start Interior Primer	4 qt.	Good			
✓	BM Aura Flat	7 qt.	Good			
✓	Rosco Iddings Deep Color	10 qt.	Good			
	~~Dutchboy Int. Latex Satin~~	5 qt.	Good			
	Jonovic Plaza Latex Flat	6 qt.	Good			
	Pratt and Lambert Ovation Latex Designer Glaze	1 qt.	Good			
	~~BM Satin Impervo Alkyd Low Lustre Enamel~~	18 gal.	Good			
	BM Satin Impervo Alkyd High Gloss	2 gal.	Good			
	BM Satin Impervo Metal and Wood Enamel	1 gal	Good			
	~~Superspec Calcimine Recoater~~	3 gal	Good			
	~~BM Iron Clad Super Satin Finish~~	1 gal	Good			
✓	~~BM Dulamel Eggshell Enamel~~	5 gal	Good			
✓	BM Fresh Start Primer	2 gal	Good			

* 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.

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
✓	Dupont Chroma Clear HC77765	1 qt	Good		NA	N
	~~Dupont Lucite Base Color Coat~~	4 qt	Good			
	~~Deltron DBU Universal Base Color~~	1 qt	Good			
	~~PPG DP48LF Epoxy White Primer~~	1 qt	Good			
✓	SEM 39134 Flexible Primer Surfacer	2 qt	Good			
✓	Zinsser Bulls Eye Shellac	2 gal.	Good			
✓	Zinsser Bulls Eye Bin Primer	1 gal.	Good			
	Kamak 112AF Foundation and Roof Coating	5 gal.	Good			
✓	Klean Strip Denatured Alcohol	1 gal.	Good			
✓	Recochem Odorless Mineral Spirits	1 gal.	Good			
✓	Klean Strip Lacquor Thinner	1 gal.	Good			
✓	Klean Strip Acetone	1 gal.	Good			

* 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.

Appendix B NYSDOH Vapor/Indoor Air Decision Matrices

Soil Vapor / Indoor Air Matrix A

May 2017

Analytes Assigned:
Trichloroethene (TCE), *cis*-1,2-Dichloroethene (*c*-1,2-DCE), 1,1-Dichloroethene (1,1-DCE), Carbon Tetrachloride

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m³)	< 0.2	0.2 to < 1	1 and above
< 6	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
6 to < 60	4. No further action	5. MONITOR	6. MITIGATE
60 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

mcg/m³ = micrograms per cubic meter

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) and Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX A

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 0.20 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

Soil Vapor / Indoor Air Matrix B

May 2017

Analytes Assigned:
Tetrachloroethene (PCE), 1,1,1-Trichloroethane (1,1,1-TCA), Methylene Chloride

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m³)	< 3	3 to < 10	10 and above
< 100	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
100 to < 1,000	4. No further action	5. MONITOR	6. MITIGATE
1,000 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

mcg/m³ = micrograms per cubic meter

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) and Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX B

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 1 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion to occur is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

Soil Vapor / Indoor Air Matrix C

May 2017

Analytes Assigned:
Vinyl Chloride

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)	
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m³)	< 0.2	0.2 and above
< 6	1. No further action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
6 to < 60	4. MONITOR	6. MITIGATE
60 and above	7. MITIGATE	9. MITIGATE

mcg/m³ = micrograms per cubic meter

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) and Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX C

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 0.20 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

Soil Vapor / Indoor Air Matrix D

February 2024

Analytes Assigned:
Benzene, ethylbenzene, naphthalene, cyclohexane, isooctane (2,2,4-trimethylpentane), 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, *o*-xylene

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m³)	< 2	2 to < 10	10 and above
< 60	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) or RESAMPLE or MITIGATE
60 to < 600	4. No further action	5. MONITOR	6. MITIGATE
600 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

mcg/m³ = micrograms per cubic meter

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) or Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation, and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building -specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX D

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 1 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion to occur is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

Soil Vapor / Indoor Air Matrix E

February 2024

Analytes Assigned:
m,p-xylene, heptane, hexane

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m³)	< 6	6 to < 20	20 and above
< 200	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) or RESAMPLE or MITIGATE
200 to < 2,000	4. No further action	5. MONITOR	6. MITIGATE
2,000 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

mcg/m³ = micrograms per cubic meter

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) or Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation, and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building -specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX E

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 1 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion to occur is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

Soil Vapor / Indoor Air Matrix F

February 2024

Analytes Assigned:
Toluene

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m³)	< 10	10 to < 50	50 and above
< 300	1. No Further Action	2. No Further Action	3. IDENTIFY SOURCE(S) or RESAMPLE or MITIGATE
300 to < 3,000	4. No Further Action	5. MONITOR	6. MITIGATE
3,000 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

mcg/m³ = micrograms per cubic meter

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) or Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation, and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building -specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX F

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 1 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion to occur is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

Appendix C Summa Canister Sampling Logs

AECOM

125 Broad Street
15th Floor
New York, NY 10004

Project Name: Popular Hand Laundry	Sample ID: VP-1-20260120
Recorded By: N. Starbuck	Sampling Date: 1/20/26
Client: NYSDEC	General Weather Conditions: Sunny, 20 degrees

Indoor Air / Ambient Air Sample

Sample Location: 88 Ingraham St - bldg center

Ambient Temperature and Barometric Pressure (if available) : _____

Vacuum Gauge ID: _____

Flow Controller ID: 01720

Canister ID: 398

Sample Height: grade

Canister Volume: 2.7L

Laboratory Recorded Pressure of Canister: -28.90 (Canister Label/Tag - From Laboratory)

Sample Start Time: 1219	Initial Vacuum Gauge Reading: -30.34
Sample Check Time: 1244	Vacuum Gauge Reading: -28.29
Sample Check Time: 1406	Vacuum Gauge Reading: -24.80
Sample Check Time: 1601	Vacuum Gauge Reading: -18.94
Sample End Time: 1933	Final Vacuum Gauge Reading: -8.32

Shipping Date: _____

Notes

PID measured 0.5-1.1 PPM at the vapor port point. Area and materials immediate to the sample location were screened for VOCs with a PID. Materials that registered on the PID were placed into a contractor bag and sealed shut with a zip-tie. Area was re-screened with PID to confirm 0.0 PPM TVOCs in the ambient air. Nearby painting work was stopped for the day.

AECOM

125 Broad Street
15th Floor
New York, NY 10004

Project Name: Popular Hand Laundry	Sample ID: IA-1-20260120
Recorded By: N. Starbuck	Sampling Date: 1/20/26
Client: NYSDEC	General Weather Conditions: Sunny, 20 degrees

Indoor Air / Ambient Air Sample

Sample Location: 88 Ingraham St - bldg center

Ambient Temperature and Barometric Pressure (if available) : _____

Vacuum Gauge ID: _____

Flow Controller ID: 0482

Canister ID: 204

Sample Height: grade

Canister Volume: 2.7L

Laboratory Recorded Pressure of Canister: -28.90 (Canister Label/Tag - From Laboratory)

Sample Start Time: 1221	Initial Vacuum Gauge Reading: -30.74
Sample Check Time: 1245	Vacuum Gauge Reading: -29.50
Sample Check Time: 1406	Vacuum Gauge Reading: -25.34
Sample Check Time: 1601	Vacuum Gauge Reading: -19.55
Sample End Time: 1933	Final Vacuum Gauge Reading: -8.93

Shipping Date: _____

Notes

PID measured 0.5-1.1 PPM at the vapor port point. Area and materials immediate to the sample location were screened for VOCs with a PID. Materials that registered on the PID were placed into a contractor bag and sealed shut with a zip-tie. Area was re-screened with PID to confirm 0.0 PPM TVOCs in the ambient air. Nearby painting work was stopped for the day.

AECOM

125 Broad Street
15th Floor
New York, NY 10004

Project Name: Popular Hand Laundry	Sample ID: VP-2-20260120
Recorded By: N. Starbuck/A. Gilman	Sampling Date: 1/20/26
Client: NYSDEC	General Weather Conditions: Sunny, 20 degrees

Indoor Air / Ambient Air Sample

Sample Location: 88 Ingraham St - near the SE bldg corner

Ambient Temperature and Barometric Pressure (if available) : _____

Vacuum Gauge ID: _____

Flow Controller ID: 02928

Canister ID: 122

Sample Height: grade

Canister Volume: 2.7L

Laboratory Recorded Pressure of Canister: -28.90 (Canister Label/Tag - From Laboratory)

Sample Start Time: 1104	Initial Vacuum Gauge Reading: -30.60
Sample Check Time: 1245	Vacuum Gauge Reading: -25.00
Sample Check Time: 1406	Vacuum Gauge Reading: -20.02
Sample Check Time: 1602	Vacuum Gauge Reading: -15.24
Sample End Time: 1852	Final Vacuum Gauge Reading: -6.72

Shipping Date: _____

Notes

Area and materials immediate to the sample location was screened with a PID. Volatile materials were placed into a contractor bag and sealed with a zip-tie. Area was re-screened to confirm 0.0ppm TVOCs in ambient air prior to deploying canister.

AECOM

125 Broad Street
15th Floor
New York, NY 10004

Project Name: Popular Hand Laundry	Sample ID: IA-2-20260120
Recorded By: N. Starbuck/A. Gilman	Sampling Date: 1/20/26
Client: NYSDEC	General Weather Conditions: Sunny, 20 degrees

Indoor Air / Ambient Air Sample

Sample Location: 88 Ingraham St - near the SE bldg corner

Ambient Temperature and Barometric Pressure (if available) : _____

Vacuum Gauge ID: _____

Flow Controller ID: 02255

Canister ID: 2195

Sample Height: grade

Canister Volume: 2.7L

Laboratory Recorded Pressure of Canister: _____ (Canister Label/Tag - From Laboratory)

Sample Start Time: 1105	Initial Vacuum Gauge Reading: -30.65
Sample Check Time: 1246	Vacuum Gauge Reading: -25.20
Sample Check Time: 1407	Vacuum Gauge Reading: -20.99
Sample Check Time: 1603	Vacuum Gauge Reading: -14.70
Sample End Time: 1852	Final Vacuum Gauge Reading: -5.62

Shipping Date: _____

Notes

Area and materials immediate to the sample location was screened with a PID. Volatile materials were placed into a contractor bag and sealed with a zip-tie. Area was re-screened to confirm 0.0ppm TVOCs in ambient air prior to deploying canister.

AECOM

125 Broad Street
15th Floor
New York, NY 10004

Project Name: Popular Hand Laundry	Sample ID: VP-3-20260120
Recorded By: N. Starbuck/A. Gilman	Sampling Date: 1/20/26
Client: NYSDEC	General Weather Conditions: Sunny, 20 degrees

Indoor Air / Ambient Air Sample

Sample Location: 88 Ingraham St - in SW bldg quadrant

Ambient Temperature and Barometric Pressure (if available) : _____

Vacuum Gauge ID: _____

Flow Controller ID: 0097

Canister ID: 492

Sample Height: grade

Canister Volume: 2.7L

Laboratory Recorded Pressure of Canister: -28.90 (Canister Label/Tag - From Laboratory)

Sample Start Time: 1155	Initial Vacuum Gauge Reading: -31.09
Sample Check Time: 1247	Vacuum Gauge Reading: -28.38
Sample Check Time: 1408	Vacuum Gauge Reading: -24.21
Sample Check Time: 1603	Vacuum Gauge Reading: -18.32
Sample End Time: 1910	Final Vacuum Gauge Reading: -8.82

Shipping Date: _____

Notes

Area and materials immediate to the sample location was screened with a PID. Volatile materials were placed into a contractor bag and sealed with a zip-tie. Area was re-screened to confirm 0.0ppm TVOCs in ambient air prior to deploying canister.

AECOM

125 Broad Street
15th Floor
New York, NY 10004

Project Name: Popular Hand Laundry	Sample ID: IA-3-20260120
Recorded By: N. Starbuck/A. Gilman	Sampling Date: 1/20/26
Client: NYSDEC	General Weather Conditions: Sunny, 20 degrees

Indoor Air / Ambient Air Sample

Sample Location: 88 Ingraham St - in SW bldg quadrant

Ambient Temperature and Barometric Pressure (if available) : _____

Vacuum Gauge ID: _____

Flow Controller ID: 552895

Canister ID: 468

Sample Height: grade

Canister Volume: 2.7L

Laboratory Recorded Pressure of Canister: -28.90 (Canister Label/Tag - From Laboratory)

Sample Start Time: 1156	Initial Vacuum Gauge Reading: -30.56
Sample Check Time: 1247	Vacuum Gauge Reading: -27.74
Sample Check Time: 1408	Vacuum Gauge Reading: -23.36
Sample Check Time: 1604	Vacuum Gauge Reading: -17.26
Sample End Time: 1910	Final Vacuum Gauge Reading: -7.80

Shipping Date: _____

Notes

Area and materials immediate to the sample location was screened with a PID. Volatile materials were placed into a contractor bag and sealed with a zip-tie. Area was re-screened to confirm 0.0ppm TVOCs in ambient air prior to deploying canister.

AECOM

125 Broad Street
15th Floor
New York, NY 10004

Project Name: Popular Hand Laundry	Sample ID: AA-1-20260120
Recorded By: N. Starbuck/A. Gilman	Sampling Date: 1/20/26
Client: NYSDEC	General Weather Conditions: Sunny, 20 degrees

Indoor Air / Ambient Air Sample

Sample Location: 88 Ingraham St - sidewalk in front of the building near standpipe

Ambient Temperature and Barometric Pressure (if available) : _____

Vacuum Gauge ID: _____

Flow Controller ID: 0839

Canister ID: 2182

Sample Height: grade

Canister Volume: 2.7L

Laboratory Recorded Pressure of Canister: -28.90 (Canister Label/Tag - From Laboratory)

Sample Start Time: 1231	Initial Vacuum Gauge Reading: -30.78
Sample Check Time: 1248	Vacuum Gauge Reading: -30.23
Sample Check Time: 1400	Vacuum Gauge Reading: -24.52
Sample Check Time: 1600	Vacuum Gauge Reading: -15.13
Sample End Time: 1808	Final Vacuum Gauge Reading: -5.65

Shipping Date: _____

Notes

Appendix D Photographic Log

AECOM
605 3rd Ave, 3rd Floor
New York, NY 10158
Phone: 212-377-8400

PHOTOGRAPHIC DOCUMENTATION

CLIENT NAME:	PROJECT NAME:	AECOM PROJECT:
NYSDEC	Popular Hand Laundry	60754065

Photo No.	Date:
1	1/20/2026

Location:

88 Ingraham St
Brooklyn, NY

Description:

Soil Vapor Intrusion Sample Location AA-1



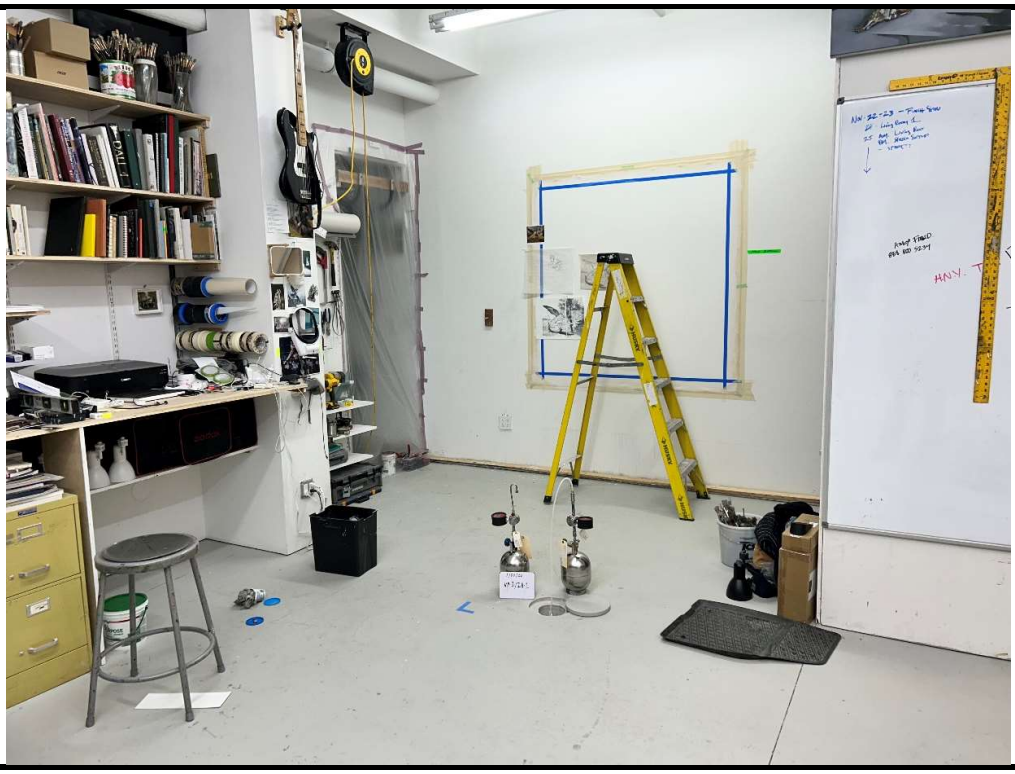
Photo No.	Date:
2	1/20/2026

Location:

88 Ingraham St
Brooklyn, NY

Description:

Soil Vapor Intrusion Sample Locations VP-1 and IA-1



AECOM
605 3rd Ave, 3rd Floor
New York, NY 10158
Phone: 212-377-8400

PHOTOGRAPHIC DOCUMENTATION

CLIENT NAME:	PROJECT NAME:	AECOM PROJECT:
NYSDEC	Popular Hand Laundry	60754065

Photo No.	Date:
3	1/20/2026

Location:

88 Ingraham St
Brooklyn, NY

Description:

Soil Vapor Intrusion Sample Locations VP-2 and IA-2

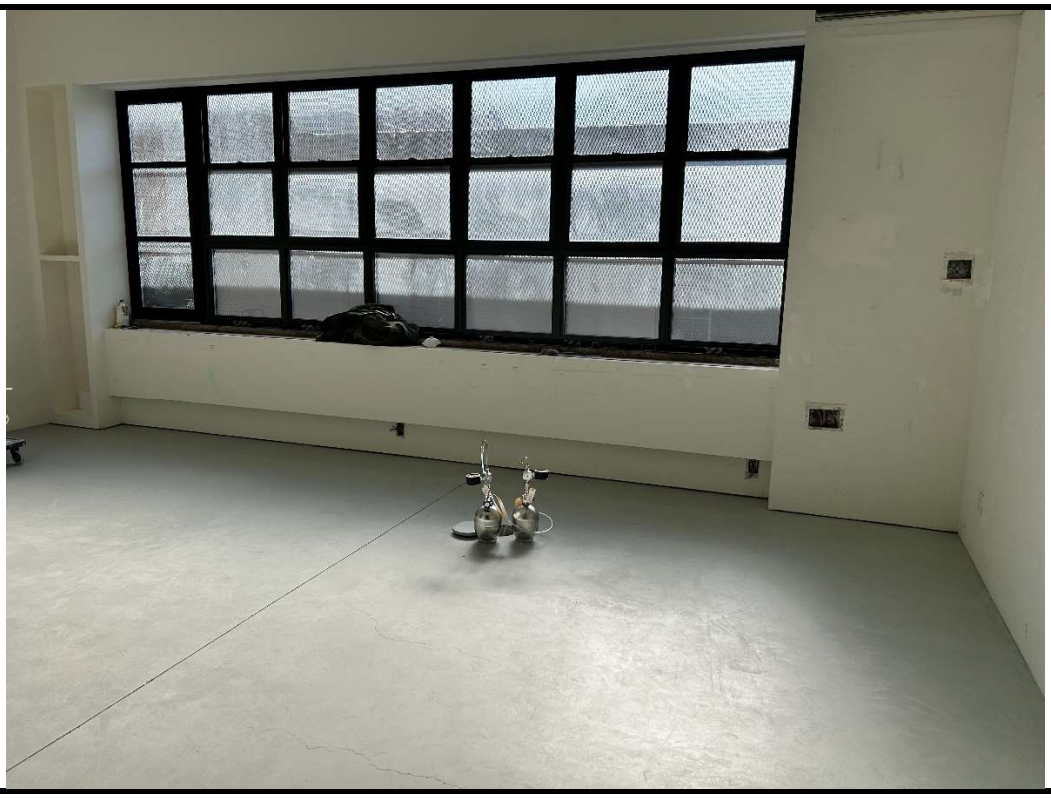


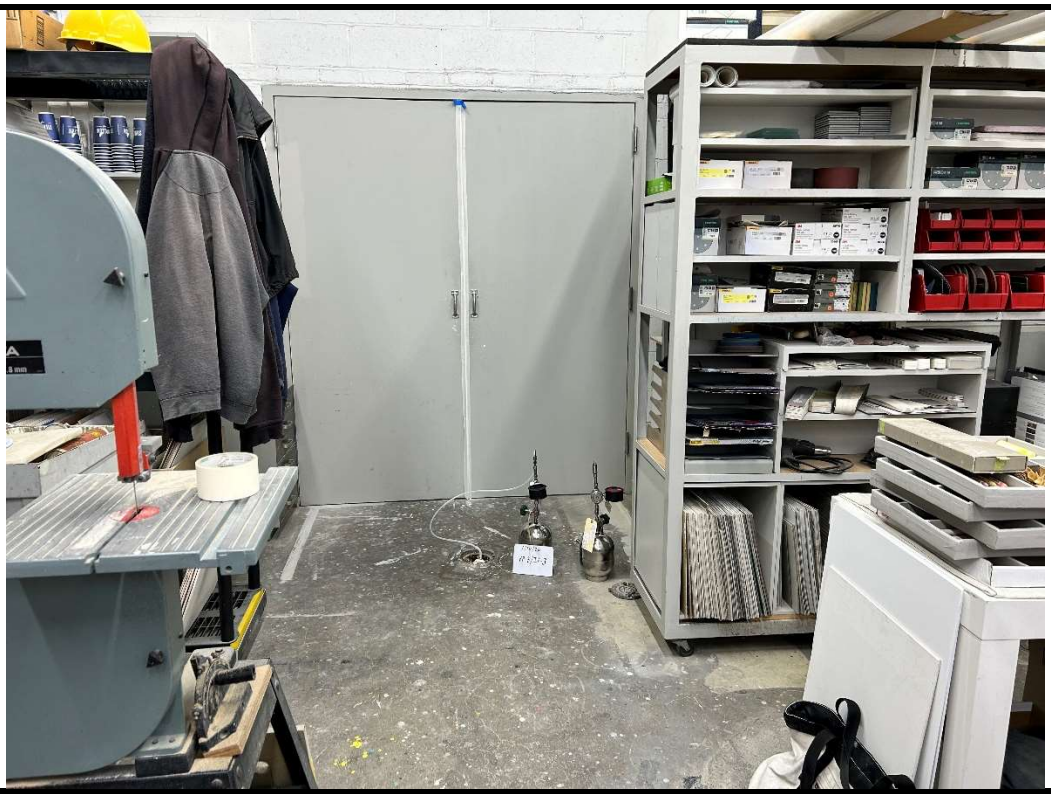
Photo No.	Date:
4	1/20/2026

Location:

88 Ingraham St
Brooklyn, NY

Description:

Soil Vapor Intrusion Sample Locations VP-3 and IA-3



AECOM
605 3rd Ave, 3rd Floor
New York, NY 10158
Phone: 212-377-8400

PHOTOGRAPHIC DOCUMENTATION

CLIENT NAME:	PROJECT NAME:	AECOM PROJECT:
NYSDEC	Popular Hand Laundry	60754065

Photo No.	Date:
5	1/20/2026

Location:

88 Ingraham St
Brooklyn, NY

Description:

Sampling Space for Locations VP-1 and IA-1



Photo No.	Date:
6	1/20/2026

Location:

88 Ingraham St
Brooklyn, NY

Description:

Sampling Space for Locations VP-2 and IA-2



AECOM
605 3rd Ave, 3rd Floor
New York, NY 10158
Phone: 212-377-8400

PHOTOGRAPHIC DOCUMENTATION

CLIENT NAME:	PROJECT NAME:	AECOM PROJECT:
NYSDEC	Popular Hand Laundry	60754065

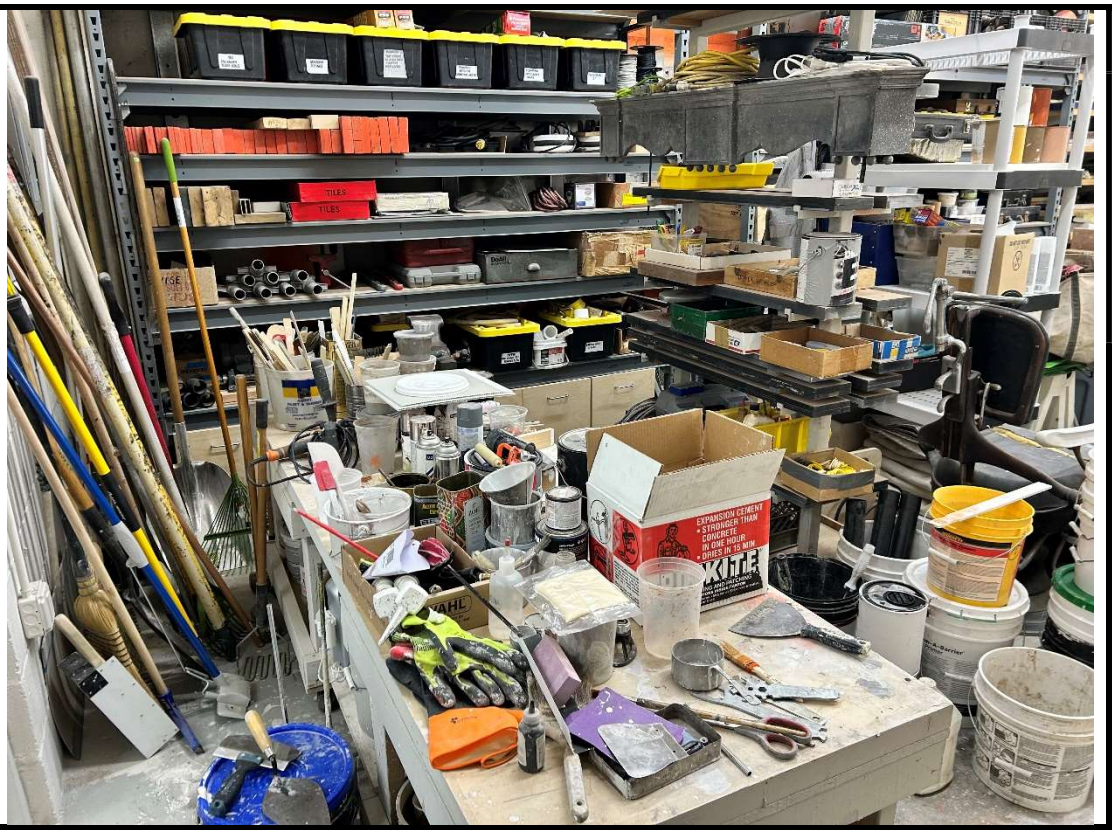
Photo No.	Date:
7	1/20/2026

Location:

88 Ingraham St
Brooklyn, NY

Description:

Sampling Space for Locations VP-3 and IA-3



Appendix E Laboratory Data Reports



Pace Analytical Services

Laboratory Code: 11148

SDG Number: L2603846

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

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Project Name: POPULAR HAND LAUNDRY
Project Number: CO 153512/ S V00170

Lab Number: L2603846
Report Date: 03/03/26

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2603846-01	VP-1-20260120	SOIL_VAPOR	88 INGRAHAM STREET, BROOKLYN, NY 11237	01/20/26 19:33	01/21/26
L2603846-02	IA-1-20260120	AIR	88 INGRAHAM STREET, BROOKLYN, NY 11237	01/20/26 19:33	01/21/26
L2603846-03	VP-2-20260120	SOIL_VAPOR	88 INGRAHAM STREET, BROOKLYN, NY 11237	01/20/26 18:52	01/21/26
L2603846-04	IA-2-20260120	AIR	88 INGRAHAM STREET, BROOKLYN, NY 11237	01/20/26 18:52	01/21/26
L2603846-05	VP-3-20260120	SOIL_VAPOR	88 INGRAHAM STREET, BROOKLYN, NY 11237	01/20/26 19:10	01/21/26
L2603846-06	IA-3-20260120	AIR	88 INGRAHAM STREET, BROOKLYN, NY 11237	01/20/26 19:10	01/21/26
L2603846-07	AA-1-20260120	AIR	88 INGRAHAM STREET, BROOKLYN, NY 11237	01/20/26 18:08	01/21/26
L2603846-08	UNUSED CAN #2296	SOIL_VAPOR	88 INGRAHAM STREET, BROOKLYN, NY 11237		01/21/26

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 Pace 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, Pace'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 Pace 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)

Report Revision

March 3, 2026: The report has been amended to correct the project name, location, and number per the CoC.

Volatile Organics in Air

Canisters were released from the laboratory on January 19, 2026. The canister certification data is provided as an addendum.

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

L2603846-01D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L2603846-05D: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

The WG2171514-3 LCS recovery associated with L2603846-01D, -02, -03, -04, and -05 is below the acceptance limit for tert-butyl alcohol (68%) and vinyl acetate (49%). All samples associated with this LCS that have reportable amounts of these analytes will be reported with low bias.

The WG2171899-3 LCS recovery associated with L2603846-06 and -07 is above the upper 130% acceptance limit for 3-chloropropene (159%), trans-1,3-dichloropropene (132%). All samples associated with this LCS do not have reportable amounts of this analyte.

The WG2171920-3 LCS recovery associated with L2603846-05D is above the upper 130% acceptance limit

Case Narrative (continued)

for propylene (142%), vinyl bromide (134%), 3-chloropropene (154%), trans-1,2-dichloroethene (132%), 2-butanone (141%), ethyl acetate (151%), tetrahydrofuran (157%), 1,2-dichloropropane (140%), heptane (143%), cis-1,3-dichloropropene (142%), 4-methyl-2-pentanone (146%), trans-1,3-dichloropropene (162%), 1,1,2-trichloroethane (137%), 2-hexanone (151%), dibromochloromethane (172%), 1,1,1,2-tetrachloroethane (135%), p/m-xylene (132%), bromoform (186%), 1,1,2,2-tetrachloroethane (134%), benzyl chloride (144%), n-butylbenzene (134%), 1,2,4-trichlorobenzene (146%) and hexachlorobutadiene (150%). All samples associated with this LCS do not have reportable amounts of this analyte.

Sample Receipt

L2603846-06: The sample identified as "FC ID 552895" on the chain of custody was identified as "FC ID 02692" on the container label. At the client's request, the sample is reported as "IA-3-20260120".

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:  Report Date: 03/03/26

Title: Technical Director/Representative

DATA PACKAGE 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: DU Report with 'J' Qualifiers

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: DU Report with 'J' Qualifiers

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.)

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

ND or U - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

TYPICAL INSTRUMENT PARAMETERS

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

Pace Job Number : L2603846

Account Name : NYDEC_AECOM Environment
Project Number : CO 153512/ S V00170
Project Name : POPULAR HAND LAUNDRY

Received : 21-JAN-2026
Reviewer : Jennifer Jerome

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
N/A	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? L2603846-06: FC ID 552895 vs. FC ID 02692	**YES**
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**

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Mar 03 2026, 12:07 pm

Login Number: L2603846
Account: NYDEC-AECOM-NYC NYDEC_AECOM EnvironmentProject: CO 153512/ S V00170
Received: 21JAN26 Due Date: 04FEB26

Sample #	Client ID	Mat	PR	Collected
L2603846-01	VP-1-20260120	11	S0	20JAN26 19:33
report to MDL ASP-B Package Due Date: 02/04/26				
ASP-B,CAN-RENT,CPI-INDEX,FLOW-RENT,NYDEC-TO15-SIM				
L2603846-02	IA-1-20260120	10	S0	20JAN26 19:33
report to MDL Package Due Date: 02/04/26				
CAN-RENT,FLOW-RENT,NYDEC-TO15-SIM				
L2603846-03	VP-2-20260120	11	S0	20JAN26 18:52
report to MDL Package Due Date: 02/04/26				
CAN-RENT,FLOW-RENT,NYDEC-TO15-SIM				
L2603846-04	IA-2-20260120	10	S0	20JAN26 18:52
report to MDL Package Due Date: 02/04/26				
CAN-RENT,FLOW-RENT,NYDEC-TO15-SIM				
L2603846-05	VP-3-20260120	11	S0	20JAN26 19:10
report to MDL Package Due Date: 02/04/26				
CAN-RENT,FLOW-RENT,NYDEC-TO15-SIM				
L2603846-06	IA-3-20260120	10	S0	20JAN26 19:10
report to MDL Package Due Date: 02/04/26				
CAN-RENT,FLOW-RENT,NYDEC-TO15-SIM				
L2603846-07	AA-1-20260120	10	S0	20JAN26 18:08
report to MDL Package Due Date: 02/04/26				

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Mar 03 2026, 12:07 pm

Login Number: L2603846

Account: NYDEC-AECOM-NYC NYDEC_AECOM EnvironmentProject: CO 153512/ S V00170

Received: 21JAN26 Due Date: 04FEB26

Sample #	Client ID	Mat	PR	Collected
CAN-RENT,FLOW-RENT,NYDEC-TO15-SIM				
L2603846-08	UNUSED CAN #2296		11	S0
report to MDL Package Due Date: 02/04/26				
CAN-RENT,CLEAN-FEE,FLOW-RENT				

Logged By: Jennifer Jerome

AIR ANALYSIS

Pace ANALYTICAL SERVICES — CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 1/22/26

Pace® Job #: 15-L2603846

120 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: AECOM
Address: 605 3rd Avenue
New York, NY 10158
Phone: —
Fax: —
Email: Cory.Friedman@aecom.com
☐ These samples have been previously analyzed by Pace

Project Information

Project Name: Popular Hand Laundry
Project Location: 88 INGERAHAM ST BROOKLYN, NY 11237
Project #: 60754065
Project Manager: Cory Friedman
Pace® 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:
Report to: (if different than Project Manager)

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm
NY		

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

PACE 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	ANALYSIS TO-15	TO-15 SIM	APH Subtract Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
03846-01	VP1-20260120	1/20/26	12:19	19:33	30.34	-8.32	SV		2.7H	398	04720	✓					
-02	IA-1-20260120	1/20/26	12:21	19:33	30.74	-8.93	AA		2.7H	204	04462	✓					
-03	VP-2-20260120	1/20/26	11:04	18:52	30.69	-6.72	SV		2.7H	122	02928	✓					
-04	IA-2-20260120	1/20/26	11:05	18:52	30.65	-5.62	AA		2.7H	2195	02255	✓					
-05	VP-3-20260120	1/20/26	11:55	19:10	31.09	-8.82	SV		2.7H	492	00977	✓					
-06	IA-3-20260120	1/20/26	11:56	19:10	30.54	-7.80	AA		2.7H	4465	552595	✓					
-07	AA-1-20260120	1/20/26	12:31	18:08	30.76	-5.65	AA		2.7H	182	05391	✓					

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

Container Type: 2.7H Summa — 7

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

Relinquished By:	Date/Time	Received By:	Date/Time:
Anthony Gilman (AECOM)	1/20/26 19:35	Oman Pace	1-21-26 1430
Oman Pace	1-21-26 17:40	Anthony Green	JAN 21 2026 2100
Anthony Green		AL	1-22-26 0200
AL 1-22-26 0540		1/22/26 0540	

Form No. 101-02 Rev. 06 (Sep-15)

Supporting Documentation

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
L2603846-01	VP-1-20260120	01720	Flow 5	01/19/26	552895		-	-	-	Pass	4.5	4.9	9
L2603846-01	VP-1-20260120	398	2.7L Can	01/19/26	552895	L2602020-04	Pass	-28.9	-7.1	-	-	-	-
L2603846-02	IA-1-20260120	0482	Flow 5	01/19/26	552895		-	-	-	Pass	4.4	4.7	7
L2603846-02	IA-1-20260120	204	2.7L Can	01/19/26	552895	L2602020-04	Pass	-28.9	-7.8	-	-	-	-
L2603846-03	VP-2-20260120	02928	Flow 5	01/19/26	552895		-	-	-	Pass	4.5	4.7	4
L2603846-03	VP-2-20260120	122	2.7L Can	01/19/26	552895	L2602020-04	Pass	-28.9	-5.5	-	-	-	-
L2603846-04	IA-2-20260120	02255	Flow 5	01/19/26	552895		-	-	-	Pass	4.6	5.0	8
L2603846-04	IA-2-20260120	2195	2.7L Can	01/19/26	552895	L2602020-04	Pass	-28.9	-4.6	-	-	-	-
L2603846-05	VP-3-20260120	0097	Flow 5	01/19/26	552895		-	-	-	Pass	4.5	4.8	6
L2603846-05	VP-3-20260120	492	2.7L Can	01/19/26	552895	L2602020-04	Pass	-28.9	-7.2	-	-	-	-
L2603846-06	IA-3-20260120	02692	Flow 4	01/19/26	552895		-	-	-	Pass	4.4	5.1	15
L2603846-06	IA-3-20260120	468	2.7L Can	01/19/26	552895	L2602020-04	Pass	-28.9	-6.8	-	-	-	-
L2603846-07	AA-1-20260120	0839	Flow 4	01/19/26	552895		-	-	-	Pass	4.7	4.9	4
L2603846-07	AA-1-20260120	2182	2.7L Can	01/19/26	552895	L2602020-04	Pass	-28.9	-1.9	-	-	-	-
L2603846-08	UNUSED CAN #2296	0317	Flow 5	01/19/26	552895		-	-	-	Pass	4.6	5.0	8

Project Name: POPULAR HAND LAUNDRY

Project Number: CO 153512/ S V00170

Lab Number: L2603846

Report Date: 03/03/26

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
L2603846-08	UNUSED CAN #2296	2296	2.7L Can	01/19/26	552895	L2602020-04	Pass	-28.9	-28.8	-	-	-	-

Air Canister Certification Results

Lab ID: L2602020-04
Client ID: CAN 3018 SHELF 62
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/13/26 23:30
Analyst: ONG

Date Collected: 01/13/26 14:49
Date Received: 01/13/26
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	0.046	ND	0.707	0.164		1
Propylene	ND	0.500	0.135	ND	0.861	0.232		1
Propane	ND	0.500	0.152	ND	0.902	0.274		1
Dichlorodifluoromethane	ND	0.200	0.076	ND	0.989	0.374		1
Chloromethane	ND	0.200	0.058	ND	0.413	0.119		1
Freon-114	ND	0.200	0.050	ND	1.40	0.352		1
Methanol	ND	5.00	3.03	ND	6.55	3.97		1
Vinyl chloride	ND	0.200	0.058	ND	0.511	0.149		1
1,3-Butadiene	ND	0.200	0.062	ND	0.442	0.137		1
Butane	ND	0.200	0.080	ND	0.475	0.190		1
Bromomethane	ND	0.200	0.055	ND	0.777	0.212		1
Chloroethane	ND	0.200	0.065	ND	0.528	0.171		1
Ethanol	ND	5.00	1.74	ND	9.42	3.28		1
Dichlorofluoromethane	ND	0.200	0.112	ND	0.842	0.471		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.316		1
Acrolein	ND	0.500	0.149	ND	1.15	0.342		1
Acetone	ND	1.00	0.515	ND	2.38	1.22		1
Acetonitrile	ND	0.200	0.101	ND	0.336	0.170		1
Trichlorofluoromethane	ND	0.200	0.079	ND	1.12	0.442		1
Isopropanol	ND	1.00	0.272	ND	2.46	0.669		1
Acrylonitrile	ND	0.500	0.089	ND	1.09	0.194		1
Pentane	ND	0.200	0.113	ND	0.590	0.333		1
Ethyl ether	ND	0.200	0.085	ND	0.606	0.259		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.225		1
Tertiary butyl Alcohol	ND	0.500	0.132	ND	1.52	0.400		1

Air Canister Certification Results

Lab ID: L2602020-04 Date Collected: 01/13/26 14:49
Client ID: CAN 3018 SHELF 62 Date Received: 01/13/26
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	0.125	ND	1.74	0.434		1
3-Chloropropene	ND	0.200	0.086	ND	0.626	0.269		1
Carbon disulfide	ND	0.200	0.047	ND	0.623	0.145		1
Freon-113	ND	0.200	0.051	ND	1.53	0.388		1
trans-1,2-Dichloroethene	ND	0.200	0.076	ND	0.793	0.299		1
1,1-Dichloroethane	ND	0.200	0.057	ND	0.809	0.230		1
Methyl tert butyl ether	ND	0.200	0.045	ND	0.721	0.162		1
Vinyl acetate	ND	1.00	0.323	ND	3.52	1.14		1
Xylenes, total	ND	0.600	0.062	ND	0.869	0.270		1
2-Butanone	ND	0.500	0.099	ND	1.47	0.292		1
cis-1,2-Dichloroethene	ND	0.200	0.060	ND	0.793	0.236		1
Ethyl Acetate	ND	0.500	0.297	ND	1.80	1.07		1
Chloroform	ND	0.200	0.055	ND	0.977	0.270		1
Tetrahydrofuran	ND	0.500	0.117	ND	1.47	0.345		1
2,2-Dichloropropane	ND	0.200	0.043	ND	0.924	0.198		1
1,2-Dichloroethane	ND	0.200	0.079	ND	0.809	0.319		1
n-Hexane	ND	0.200	0.074	ND	0.705	0.262		1
Diisopropyl ether	ND	0.200	0.063	ND	0.836	0.264		1
tert-Butyl Ethyl Ether	ND	0.200	0.073	ND	0.836	0.306		1
1,2-Dichloroethene (total)	ND	1.00	0.060	ND	1.00	0.236		1
1,1,1-Trichloroethane	ND	0.200	0.061	ND	1.09	0.335		1
1,1-Dichloropropene	ND	0.200	0.059	ND	0.908	0.269		1
Benzene	ND	0.200	0.064	ND	0.639	0.205		1
Carbon tetrachloride	ND	0.200	0.069	ND	1.26	0.432		1
Cyclohexane	ND	0.200	0.073	ND	0.688	0.251		1
tert-Amyl Methyl Ether	ND	0.200	0.067	ND	0.836	0.281		1
Dibromomethane	ND	0.200	0.060	ND	1.42	0.425		1
1,2-Dichloropropane	ND	0.200	0.063	ND	0.924	0.292		1

Air Canister Certification Results

Lab ID: L2602020-04 Date Collected: 01/13/26 14:49
Client ID: CAN 3018 SHELF 62 Date Received: 01/13/26
Sample Location: 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	0.069	ND	1.34	0.462		1
1,4-Dioxane	ND	0.200	0.054	ND	0.721	0.194		1
Trichloroethene	ND	0.200	0.055	ND	1.07	0.295		1
2,2,4-Trimethylpentane	ND	0.200	0.069	ND	0.934	0.323		1
Methyl Methacrylate	ND	0.500	0.226	ND	2.05	0.925		1
Heptane	ND	0.200	0.083	ND	0.820	0.339		1
cis-1,3-Dichloropropene	ND	0.200	0.067	ND	0.908	0.306		1
4-Methyl-2-pentanone	ND	0.500	0.190	ND	2.05	0.779		1
trans-1,3-Dichloropropene	ND	0.200	0.078	ND	0.908	0.355		1
1,1,2-Trichloroethane	ND	0.200	0.058	ND	1.09	0.318		1
Toluene	ND	0.200	0.087	ND	0.754	0.327		1
1,3-Dichloropropane	ND	0.200	0.054	ND	0.924	0.248		1
2-Hexanone	ND	0.200	0.091	ND	0.820	0.374		1
Dibromochloromethane	ND	0.200	0.057	ND	1.70	0.482		1
1,2-Dibromoethane	ND	0.200	0.054	ND	1.54	0.418		1
Butyl acetate	ND	0.500	0.208	ND	2.38	0.989		1
Octane	ND	0.200	0.068	ND	0.934	0.316		1
Tetrachloroethene	ND	0.200	0.063	ND	1.36	0.425		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.051	ND	1.37	0.349		1
Chlorobenzene	ND	0.200	0.052	ND	0.921	0.238		1
Ethylbenzene	ND	0.200	0.058	ND	0.869	0.250		1
p/m-Xylene	ND	0.400	0.125	ND	1.74	0.543		1
Bromoform	ND	0.200	0.060	ND	2.07	0.616		1
Styrene	ND	0.200	0.060	ND	0.852	0.254		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.052	ND	1.37	0.357		1
o-Xylene	ND	0.200	0.062	ND	0.869	0.270		1
1,2,3-Trichloropropane	ND	0.200	0.058	ND	1.21	0.347		1
Nonane	ND	0.200	0.074	ND	1.05	0.387		1

Air Canister Certification Results

Lab ID: L2602020-04 Date Collected: 01/13/26 14:49
Client ID: CAN 3018 SHELF 62 Date Received: 01/13/26
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	0.062	ND	0.983	0.305		1
Bromobenzene	ND	0.200	0.058	ND	0.793	0.230		1
2-Chlorotoluene	ND	0.200	0.076	ND	1.04	0.394		1
n-Propylbenzene	ND	0.200	0.063	ND	0.983	0.311		1
4-Chlorotoluene	ND	0.200	0.077	ND	1.04	0.396		1
4-Ethyltoluene	ND	0.200	0.055	ND	0.983	0.272		1
1,3,5-Trimethylbenzene	ND	0.200	0.060	ND	0.983	0.295		1
tert-Butylbenzene	ND	0.200	0.055	ND	1.10	0.302		1
1,2,4-Trimethylbenzene	ND	0.200	0.058	ND	0.983	0.284		1
Decane	ND	0.200	0.070	ND	1.16	0.406		1
Benzyl chloride	ND	0.200	0.094	ND	1.04	0.486		1
1,3-Dichlorobenzene	ND	0.200	0.078	ND	1.20	0.467		1
1,4-Dichlorobenzene	ND	0.200	0.083	ND	1.20	0.497		1
sec-Butylbenzene	ND	0.200	0.055	ND	1.10	0.300		1
p-Isopropyltoluene	ND	0.200	0.057	ND	1.10	0.311		1
1,2-Dichlorobenzene	ND	0.200	0.062	ND	1.20	0.372		1
n-Butylbenzene	ND	0.200	0.054	ND	1.10	0.294		1
1,2-Dibromo-3-chloropropane	ND	0.200	0.062	ND	1.93	0.603		1
Undecane	ND	0.200	0.071	ND	1.28	0.453		1
Dodecane	ND	0.200	0.089	ND	1.39	0.621		1
1,2,4-Trichlorobenzene	ND	0.200	0.100	ND	1.48	0.742		1
Naphthalene	ND	0.200	0.059	ND	0.996	0.309		1
1,2,3-Trichlorobenzene	ND	0.200	0.074	ND	1.48	0.548		1
Hexachlorobutadiene	ND	0.200	0.061	ND	2.13	0.647		1

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

Air Canister Certification Results

Lab ID: L2602020-04 Date Collected: 01/13/26 14:49
Client ID: CAN 3018 SHELF 62 Date Received: 01/13/26
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	89		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	86		60-140

Air Canister Certification Results

Lab ID: L2602020-04
Client ID: CAN 3018 SHELF 62
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/13/26 23:30
Analyst: ONG

Date Collected: 01/13/26 14:49
Date Received: 01/13/26
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	0.050	ND	0.989	0.247		1
Chloromethane	ND	0.200	0.076	ND	0.413	0.156		1
Freon-114	ND	0.050	0.006	ND	0.349	0.045		1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
1,3-Butadiene	ND	0.020	0.011	ND	0.044	0.024		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Acrolein	ND	0.050	0.039	ND	0.115	0.089		1
Acetone	ND	1.00	0.539	ND	2.38	1.28		1
Trichlorofluoromethane	ND	0.050	0.009	ND	0.281	0.052		1
Acrylonitrile	ND	0.500	0.162	ND	1.09	0.352		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Methylene chloride	ND	0.500	0.110	ND	1.74	0.382		1
Freon-113	ND	0.050	0.008	ND	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	ND	0.500	0.132	ND	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	ND	0.020	0.007	ND	0.098	0.035		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	ND	0.100	0.030	ND	0.319	0.095		1
Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069		1
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1

Air Canister Certification Results

Lab ID: L2602020-04 Date Collected: 01/13/26 14:49
Client ID: CAN 3018 SHELF 62 Date Received: 01/13/26
Sample Location: 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	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	ND	0.100	0.017	ND	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.010	ND	0.137	0.069		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	ND	0.020	0.009	ND	0.087	0.037		1
p/m-Xylene	ND	0.040	0.018	ND	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	ND	0.020	0.009	ND	0.087	0.038		1
Isopropylbenzene	ND	0.200	0.030	ND	0.983	0.147		1
4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.049		1
1,3,5-Trimethybenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	ND	0.020	0.008	ND	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1
sec-Butylbenzene	ND	0.200	0.027	ND	1.10	0.146		1
p-Isopropyltoluene	ND	0.200	0.037	ND	1.10	0.201		1

Air Canister Certification Results

Lab ID: L2602020-04 Date Collected: 01/13/26 14:49
Client ID: CAN 3018 SHELF 62 Date Received: 01/13/26
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	0.006	ND	0.120	0.037		1
n-Butylbenzene	ND	0.200	0.032	ND	1.10	0.175		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
1,2,3-Trichlorobenzene	ND	0.050	0.022	ND	0.371	0.166		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	85		60-140
bromochloromethane	102		60-140
chlorobenzene-d5	84		60-140

Organics

GC/MS VOA
Air Analysis
Selective Ion Monitoring

Volatiles QC Summary

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: NYDEC_AECOM Environment	**Lab Number**	: L2603846
Project Name	: POPULAR HAND LAUNDRY	**Project Number**	: CO 153512/ S V00170
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG2171514-3 **Analysis Date** : 02/02/26 16:29	**File ID**	: R238353
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	5	4.47	89					-	70-130	25
Chloromethane	5	4.45	89					-	70-130	25
Freon-114	5	4.12	82					-	70-130	25
Vinyl chloride	5	4.47	89					-	70-130	25
Bromomethane	5	4.44	89					-	70-130	25
Chloroethane	5	4.30	86					-	70-130	25
Ethanol	25	20.8	83					-	40-160	25
Trichlorofluoromethane	5	4.16	83					-	70-130	25
1,1-Dichloroethene	5	4.64	93					-	70-130	25
Tert-Butyl Alcohol	5	3.40	68	Q				-	70-130	25
Methylene chloride	5	5.17	103					-	70-130	25
Freon-113	5	4.46	89					-	70-130	25
trans-1,2-Dichloroethene	5	4.54	91					-	70-130	25
1,1-Dichloroethane	5	4.75	95					-	70-130	25
Methyl tert butyl ether	5	4.14	83					-	70-130	25
2-Butanone	5	4.72	94					-	70-130	25
cis-1,2-Dichloroethene	5	4.37	87					-	70-130	25
Chloroform	5	4.38	88					-	70-130	25
1,2-Dichloroethane	5	4.15	83					-	70-130	25
n-Hexane	5	5.87	117					-	70-130	25
1,1,1-Trichloroethane	5	4.97	99					-	70-130	25
Benzene	5	5.30	106					-	70-130	25
Carbon tetrachloride	5	4.55	91					-	70-130	25
Cyclohexane	5	5.47	109					-	70-130	25
1,2-Dichloropropane	5	5.63	113					-	70-130	25
Bromodichloromethane	5	5.31	106					-	70-130	25

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: NYDEC_AECOM Environment	**Lab Number**	: L2603846
Project Name	: POPULAR HAND LAUNDRY	**Project Number**	: CO 153512/ S V00170
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG2171514-3 **Analysis Date** : 02/02/26 16:29	**File ID**	: R238353
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
1,4-Dioxane	5	5.08	102				-	70-130	25
Trichloroethene	5	4.93	99				-	70-130	25
2,2,4-Trimethylpentane	5	6.04	121				-	70-130	25
Heptane	5	5.93	119				-	70-130	25
cis-1,3-Dichloropropene	5	5.87	117				-	70-130	25
4-Methyl-2-pentanone	5	5.49	110				-	70-130	25
trans-1,3-Dichloropropene	5	5.84	117				-	70-130	25
1,1,2-Trichloroethane	5	5.16	103				-	70-130	25
Toluene	5	5.42	108				-	70-130	25
Dibromochloromethane	5	5.47	109				-	70-130	25
1,2-Dibromoethane	5	5.44	109				-	70-130	25
Tetrachloroethene	5	5.13	103				-	70-130	25
Chlorobenzene	5	5.31	106				-	70-130	25
Ethylbenzene	5	5.07	101				-	70-130	25
p/m-Xylene	10	10.7	107				-	70-130	25
Bromoform	5	5.71	114				-	70-130	25
Styrene	5	5.21	104				-	70-130	25
1,1,2,2-Tetrachloroethane	5	5.91	118				-	70-130	25
o-Xylene	5	5.18	104				-	70-130	25
1,3,5-Trimethylbenzene	5	5.54	111				-	70-130	25
1,2,4-Trimethylbenzene	5	5.50	110				-	70-130	25
Benzyl chloride	5	5.32	106				-	70-130	25
1,3-Dichlorobenzene	5	5.62	112				-	70-130	25
1,4-Dichlorobenzene	5	5.74	115				-	70-130	25
1,2-Dichlorobenzene	5	5.69	114				-	70-130	25
1,2,4-Trichlorobenzene	5	6.34	127				-	70-130	25

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: NYDEC_AECOM Environment			**Lab Number**	: L2603846
Project Name	: POPULAR HAND LAUNDRY			**Project Number**	: CO 153512/ S V00170
Matrix (Level)	: AIR (LOW)				
LCS Sample ID	: WG2171514-3	**Analysis Date**	: 02/02/26 16:29	**File ID**	: R238353
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**
Naphthalene	5	5.22	104				-	70-130	25
Hexachlorobutadiene	5	6.17	123				-	70-130	25

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: NYDEC_AECOM Environment	**Lab Number**	: L2603846
Project Name	: POPULAR HAND LAUNDRY	**Project Number**	: CO 153512/ S V00170
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG2171899-3 **Analysis Date** : 02/03/26 14:28	**File ID**	: r442283_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
Dichlorodifluoromethane	5	4.94	99				-	70-130	25
Chloromethane	5	5.41	108				-	70-130	25
Freon-114	5	5.55	111				-	70-130	25
Vinyl chloride	5	5.06	101				-	70-130	25
Bromomethane	5	5.34	107				-	70-130	25
Chloroethane	5	5.98	120				-	70-130	25
Ethanol	25	20.3	81				-	40-160	25
Trichlorofluoromethane	5	5.04	101				-	70-130	25
1,1-Dichloroethene	5	5.24	105				-	70-130	25
Tert-Butyl Alcohol	5	5.12	102				-	70-130	25
Methylene chloride	5	5.04	101				-	70-130	25
Freon-113	5	5.10	102				-	70-130	25
trans-1,2-Dichloroethene	5	5.53	111				-	70-130	25
1,1-Dichloroethane	5	4.91	98				-	70-130	25
Methyl tert butyl ether	5	5.68	114				-	70-130	25
2-Butanone	5	5.53	111				-	70-130	25
cis-1,2-Dichloroethene	5	4.94	99				-	70-130	25
Chloroform	5	4.89	98				-	70-130	25
1,2-Dichloroethane	5	4.68	94				-	70-130	25
n-Hexane	5	5.69	114				-	70-130	25
1,1,1-Trichloroethane	5	4.92	98				-	70-130	25
Benzene	5	4.91	98				-	70-130	25
Carbon tetrachloride	5	5.84	117				-	70-130	25
Cyclohexane	5	5.65	113				-	70-130	25
1,2-Dichloropropane	5	4.88	98				-	70-130	25
Bromodichloromethane	5	5.75	115				-	70-130	25

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: NYDEC_AECOM Environment	**Lab Number**	: L2603846
Project Name	: POPULAR HAND LAUNDRY	**Project Number**	: CO 153512/ S V00170
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG2171899-3 **Analysis Date** : 02/03/26 14:28	**File ID**	: r442283_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
1,4-Dioxane	5	5.88	118				-	70-130	25
Trichloroethene	5	5.04	101				-	70-130	25
2,2,4-Trimethylpentane	5	5.81	116				-	70-130	25
Heptane	5	5.87	117				-	70-130	25
cis-1,3-Dichloropropene	5	6.14	123				-	70-130	25
4-Methyl-2-pentanone	5	5.70	114				-	70-130	25
trans-1,3-Dichloropropene	5	6.60	132 Q				-	70-130	25
1,1,2-Trichloroethane	5	5.10	102				-	70-130	25
Toluene	5	5.21	104				-	70-130	25
Dibromochloromethane	5	5.73	115				-	70-130	25
1,2-Dibromoethane	5	5.55	111				-	70-130	25
Tetrachloroethene	5	5.13	103				-	70-130	25
Chlorobenzene	5	5.20	104				-	70-130	25
Ethylbenzene	5	5.18	104				-	70-130	25
p/m-Xylene	10	10.6	106				-	70-130	25
Bromoform	5	4.05	81				-	70-130	25
Styrene	5	5.50	110				-	70-130	25
1,1,2,2-Tetrachloroethane	5	5.41	108				-	70-130	25
o-Xylene	5	5.31	106				-	70-130	25
1,3,5-Trimethylbenzene	5	5.77	115				-	70-130	25
1,2,4-Trimethylbenzene	5	5.89	118				-	70-130	25
Benzyl chloride	5	6.14	123				-	70-130	25
1,3-Dichlorobenzene	5	5.78	116				-	70-130	25
1,4-Dichlorobenzene	5	5.92	118				-	70-130	25
1,2-Dichlorobenzene	5	5.64	113				-	70-130	25
1,2,4-Trichlorobenzene	5	6.48	130				-	70-130	25

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: NYDEC_AECOM Environment			**Lab Number**	: L2603846
Project Name	: POPULAR HAND LAUNDRY			**Project Number**	: CO 153512/ S V00170
Matrix (Level)	: AIR (LOW)				
LCS Sample ID	: WG2171899-3	**Analysis Date**	: 02/03/26 14:28	**File ID**	: r442283_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**
Naphthalene	5	5.59	112				-	70-130	25
Hexachlorobutadiene	5	5.63	113				-	70-130	25

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: NYDEC_AECOM Environment	**Lab Number**	: L2603846
Project Name	: POPULAR HAND LAUNDRY	**Project Number**	: CO 153512/ S V00170
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG2171920-3 **Analysis Date** : 02/03/26 12:34	**File ID**	: r1653977_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
Dichlorodifluoromethane	5	5.17	103				-	70-130	25
Chloromethane	5	5.89	118				-	70-130	25
Freon-114	5	5.59	112				-	70-130	25
Vinyl chloride	5	5.69	114				-	70-130	25
Bromomethane	5	6.03	121				-	70-130	25
Chloroethane	5	5.52	110				-	70-130	25
Ethanol	25	22.1	88				-	40-160	25
Trichlorofluoromethane	5	5.84	117				-	70-130	25
1,1-Dichloroethene	5	6.25	125				-	70-130	25
Tert-Butyl Alcohol	5	5.50	110				-	70-130	25
Methylene chloride	5	5.53	111				-	70-130	25
Freon-113	5	6.43	129				-	70-130	25
trans-1,2-Dichloroethene	5	6.58	132 Q				-	70-130	25
1,1-Dichloroethane	5	6.48	130				-	70-130	25
Methyl tert butyl ether	5	5.70	114				-	70-130	25
2-Butanone	5	7.05	141 Q				-	70-130	25
cis-1,2-Dichloroethene	5	6.30	126				-	70-130	25
Chloroform	5	5.16	103				-	70-130	25
1,2-Dichloroethane	5	5.87	117				-	70-130	25
n-Hexane	5	5.30	106				-	70-130	25
1,1,1-Trichloroethane	5	6.36	127				-	70-130	25
Benzene	5	5.12	102				-	70-130	25
Carbon tetrachloride	5	6.44	129				-	70-130	25
Cyclohexane	5	5.77	115				-	70-130	25
1,2-Dichloropropane	5	7.01	140 Q				-	70-130	25
Bromodichloromethane	5	6.10	122				-	70-130	25

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: NYDEC_AECOM Environment	**Lab Number**	: L2603846
Project Name	: POPULAR HAND LAUNDRY	**Project Number**	: CO 153512/ S V00170
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG2171920-3 **Analysis Date** : 02/03/26 12:34	**File ID**	: r1653977_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
1,4-Dioxane	5	5.99	120				-	70-130	25
Trichloroethene	5	6.12	122				-	70-130	25
2,2,4-Trimethylpentane	5	6.14	123				-	70-130	25
Heptane	5	7.16	143 Q				-	70-130	25
cis-1,3-Dichloropropene	5	7.09	142 Q				-	70-130	25
4-Methyl-2-pentanone	5	7.28	146 Q				-	70-130	25
trans-1,3-Dichloropropene	5	8.09	162 Q				-	70-130	25
1,1,2-Trichloroethane	5	6.87	137 Q				-	70-130	25
Toluene	5	6.44	129				-	70-130	25
Dibromochloromethane	5	8.59	172 Q				-	70-130	25
1,2-Dibromoethane	5	6.44	129				-	70-130	25
Tetrachloroethene	5	6.24	125				-	70-130	25
Chlorobenzene	5	5.51	110				-	70-130	25
Ethylbenzene	5	6.51	130				-	70-130	25
p/m-Xylene	10	13.2	132 Q				-	70-130	25
Bromoform	5	9.32	186 Q				-	70-130	25
Styrene	5	6.11	122				-	70-130	25
1,1,2,2-Tetrachloroethane	5	6.71	134 Q				-	70-130	25
o-Xylene	5	6.46	129				-	70-130	25
1,3,5-Trimethylbenzene	5	5.99	120				-	70-130	25
1,2,4-Trimethylbenzene	5	6.01	120				-	70-130	25
Benzyl chloride	5	7.18	144 Q				-	70-130	25
1,3-Dichlorobenzene	5	6.36	127				-	70-130	25
1,4-Dichlorobenzene	5	6.25	125				-	70-130	25
1,2-Dichlorobenzene	5	6.31	126				-	70-130	25
1,2,4-Trichlorobenzene	5	7.32	146 Q				-	70-130	25

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: NYDEC_AECOM Environment			**Lab Number**	: L2603846
Project Name	: POPULAR HAND LAUNDRY			**Project Number**	: CO 153512/ S V00170
Matrix (Level)	: AIR (LOW)				
LCS Sample ID	: WG2171920-3	**Analysis Date**	: 02/03/26 12:34	**File ID**	: r1653977_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**
Naphthalene	5	6.00	120				-	70-130	25
Hexachlorobutadiene	5	7.50	150 Q				-	70-130	25

Method Blank Summary
Form 4
Air Volatiles

Client	: NYDEC_AECOM Environment	**Lab Number**	: L2603846
Project Name	: POPULAR HAND LAUNDRY	**Project Number**	: CO 153512/ S V00170
Lab Sample ID	: WG2171514-4	**Lab File ID**	: R238355
Instrument ID	: AIRLAB23		
Matrix	: AIR	**Analysis Date**	: 02/02/26 23:05

Client Sample No.	Lab Sample ID	Analysis Date
WG2171514-3LCS	WG2171514-3	02/02/26 16:29
IA05_012926DUP	WG2171514-5	02/03/26 01:47
IA-1-20260120	L2603846-02	02/03/26 03:11
IA-2-20260120	L2603846-04	02/03/26 03:51
VP-1-20260120	L2603846-01D	02/03/26 05:04
VP-2-20260120	L2603846-03	02/03/26 05:46
VP-3-20260120	L2603846-05	02/03/26 06:28

Method Blank Summary
Form 4
Air Volatiles

Client	: NYDEC_AECOM Environment	**Lab Number**	: L2603846
Project Name	: POPULAR HAND LAUNDRY	**Project Number**	: CO 153512/ S V00170
Lab Sample ID	: WG2171920-4	**Lab File ID**	: r1653979_Ev2
Instrument ID	: AIRLAB16		
Matrix	: AIR	**Analysis Date**	: 02/03/26 16:01

Client Sample No.	Lab Sample ID	Analysis Date
WG2171920-3LCS	WG2171920-3	02/03/26 12:34
AIR DUMMY 84DUP	WG2171920-5	02/04/26 04:16
VP-3-20260120	L2603846-05D	02/04/26 04:52

Method Blank Summary
Form 4
Air Volatiles

Client	: NYDEC_AECOM Environment	**Lab Number**	: L2603846
Project Name	: POPULAR HAND LAUNDRY	**Project Number**	: CO 153512/ S V00170
Lab Sample ID	: WG2171899-4	**Lab File ID**	: r442285_Ev2
Instrument ID	: AIRPIANO4		
Matrix	: AIR	**Analysis Date**	: 02/03/26 18:01

Client Sample No.	Lab Sample ID	Analysis Date
WG2171899-3LCS	WG2171899-3	02/03/26 14:28
AA-1-20260120	L2603846-07	02/03/26 18:40
IA-3-20260120	L2603846-06	02/03/26 23:14
IA-2DUP	WG2171899-5	02/04/26 01:52

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

Client	: NYDEC_AECOM Environment	**Lab Number**	: L2603846
Project Name	: POPULAR HAND LAUNDRY	**Project Number**	: CO 153512/ S V00170
Instrument ID	: AIRLAB23	**Analysis Date**	: 11/21/25 20:09
Tune Standard	: WG2145606-1	**Tune File ID**	: R236980_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	15.7
75	30.0 - 66.0% of mass 95	47.1
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	0.8 (.8)1
174	50.0 - 120.0% of mass 95	104
175	4.0 - 9.0% of mass 174	7.5 (7.2)1
176	93.0 - 101% of mass 174	101.8 (97.9)1
177	5.0 - 9.0% of mass 176	6.5 (6.4)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	R2039933-1	R236981	11/21/25 20:44
STD0.05	R2039933-2	R236982	11/21/25 21:20
STD0.1	R2039933-3	R236983	11/21/25 21:58
STD0.2	R2039933-4	R236984	11/21/25 22:35
STD0.5	R2039933-5	R236985	11/21/25 23:14
STD1.0	R2039933-6	R236986	11/21/25 23:55
STD5.0	R2039933-7	R236987	11/22/25 00:33
STD010	R2039933-8	R236988	11/22/25 01:14
STD020	R2039933-9	R236989	11/22/25 01:52
STD050	R2039933-10	R236990	11/22/25 02:30
ICV QUANT	R2039933-11	R236995	11/22/25 05:56

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

Client	: NYDEC_AECOM Environment	**Lab Number**	: L2603846
Project Name	: POPULAR HAND LAUNDRY	**Project Number**	: CO 153512/ S V00170
Instrument ID	: AIRLAB23	**Analysis Date**	: 02/02/26 14:19
Tune Standard	: WG2171514-1	**Tune File ID**	: R238350_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	16
75	30.0 - 66.0% of mass 95	47.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1.1 (1)1
174	50.0 - 120.0% of mass 95	109.6
175	4.0 - 9.0% of mass 174	7.9 (7.2)1
176	93.0 - 101% of mass 174	105.5 (96.3)1
177	5.0 - 9.0% of mass 176	6.9 (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
WG2171514-2CCAL	WG2171514-2	R238353	02/02/26 16:29
WG2171514-3LCS	WG2171514-3	R238353	02/02/26 16:29
WG2171514-4BLANK	WG2171514-4	R238355	02/02/26 23:05
WG2171514-5DUP	WG2171514-5	R238359	02/03/26 01:47
IA-1-20260120	L2603846-02	R238361	02/03/26 03:11
IA-2-20260120	L2603846-04	R238362	02/03/26 03:51
VP-1-20260120	L2603846-01D	R238364	02/03/26 05:04
VP-2-20260120	L2603846-03	R238365	02/03/26 05:46
VP-3-20260120	L2603846-05	R238366	02/03/26 06:28

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

Client	: NYDEC_AECOM Environment	**Lab Number**	: L2603846
Project Name	: POPULAR HAND LAUNDRY	**Project Number**	: CO 153512/ S V00170
Instrument ID	: AIRLAB16	**Analysis Date**	: 01/20/26 15:57
Tune Standard	: WG2167876-1	**Tune File ID**	: r1653733_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	17.6
75	30.0 - 66.0% of mass 95	42.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.4 (.6)1
174	50.0 - 120.0% of mass 95	65.3
175	4.0 - 9.0% of mass 174	4.6 (7)1
176	93.0 - 101% of mass 174	62.7 (96)1
177	5.0 - 9.0% of mass 176	4.1 (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	R2060957-1	R1653734_EV2	01/20/26 16:33
STD0.05	R2060957-2	R1653735_EV2	01/20/26 17:10
STD0.1	R2060957-3	R1653736_EV2	01/20/26 17:49
STD0.2	R2060957-4	R1653737_EV2	01/20/26 18:28
STD0.5	R2060957-5	R1653738_EV2	01/20/26 19:07
STD1.0	R2060957-6	R1653739_EV2	01/20/26 19:49
STD5.0	R2060957-7	R1653740_EV2	01/20/26 20:29
STD010	R2060957-8	R1653741_EV2	01/20/26 21:11
STD020	R2060957-9	R1653742_EV2	01/20/26 21:50
STD050	R2060957-10	R1653743_EV2	01/20/26 22:30
ICV QUANT	R2060957-11	R1653750_EV2	01/21/26 11:32

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

Client	: NYDEC_AECOM Environment	**Lab Number**	: L2603846
Project Name	: POPULAR HAND LAUNDRY	**Project Number**	: CO 153512/ S V00170
Instrument ID	: AIRLAB16	**Analysis Date**	: 02/03/26 09:48
Tune Standard	: WG2171920-1	**Tune File ID**	: r1653973_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	14.8
75	30.0 - 66.0% of mass 95	36.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6
173	Less than 2.0% of mass 174	0.3 (.5)1
174	50.0 - 120.0% of mass 95	53.3
175	4.0 - 9.0% of mass 174	3.4 (6.4)1
176	93.0 - 101% of mass 174	51.9 (97.3)1
177	5.0 - 9.0% of mass 176	2.9 (5.7)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
WG2171920-2CCAL	WG2171920-2	R1653977_EV2	02/03/26 12:34
WG2171920-3LCS	WG2171920-3	R1653977_EV2	02/03/26 12:34
WG2171920-4BLANK	WG2171920-4	R1653979_EV2	02/03/26 16:01
WG2171920-5DUP	WG2171920-5	R1653994_EV2	02/04/26 04:16
VP-3-20260120	L2603846-05D	R1653995_EV2	02/04/26 04:52

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

Client	: NYDEC_AECOM Environment	**Lab Number**	: L2603846
Project Name	: POPULAR HAND LAUNDRY	**Project Number**	: CO 153512/ S V00170
Instrument ID	: AIRPIANO4	**Analysis Date**	: 01/19/26 22:01
Tune Standard	: WG2168338-1	**Tune File ID**	: R441996_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	12.9
75	30.0 - 66.0% of mass 95	34.8
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 (.5)1
174	50.0 - 120.0% of mass 95	77.6
175	4.0 - 9.0% of mass 174	5.6 (7.2)1
176	93.0 - 101% of mass 174	76.3 (98.3)1
177	5.0 - 9.0% of mass 176	5 (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	R2061388-1	R441997_EV2	01/19/26 22:36
STD0.05	R2061388-2	R441998_EV2	01/19/26 23:12
STD0.1	R2061388-4	R441999_EV2	01/19/26 23:51
STD0.2	R2061388-3	R442000_EV2	01/20/26 00:29
STD0.5	R2061388-5	R442001_EV2	01/20/26 01:07
STD1.0	R2061388-6	R442002_EV2	01/20/26 01:49
STD5.0	R2061388-7	R442003_EV2	01/20/26 02:28
STD010	R2061388-8	R442004_EV2	01/20/26 03:10
STD020	R2061388-9	R442005_EV2	01/20/26 03:48
STD050	R2061388-10	R442006_EV2	01/20/26 04:27

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

Client	: NYDEC_AECOM Environment	**Lab Number**	: L2603846
Project Name	: POPULAR HAND LAUNDRY	**Project Number**	: CO 153512/ S V00170
Instrument ID	: AIRPIANO4	**Analysis Date**	: 02/03/26 11:47
Tune Standard	: WG2171899-1	**Tune File ID**	: r442279_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	13.4
75	30.0 - 66.0% of mass 95	36
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	0.4 (.5)1
174	50.0 - 120.0% of mass 95	79.6
175	4.0 - 9.0% of mass 174	5.6 (7)1
176	93.0 - 101% of mass 174	78.7 (98.8)1
177	5.0 - 9.0% of mass 176	5.1 (6.4)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
WG2171899-2CCAL	WG2171899-2	R442283_EV2	02/03/26 14:28
WG2171899-3LCS	WG2171899-3	R442283_EV2	02/03/26 14:28
WG2171899-4BLANK	WG2171899-4	R442285_EV2	02/03/26 18:01
AA-1-20260120	L2603846-07	R442286_EV2	02/03/26 18:40
IA-3-20260120	L2603846-06	R442293_EV2	02/03/26 23:14
WG2171899-5DUP	WG2171899-5	R442297_EV2	02/04/26 01:52

Internal Standard Area and RT Summary
Form 8a
Air Volatiles

Client	: NYDEC_AECOM Environment	**Lab Number**	: L2603846
Project Name	: POPULAR HAND LAUNDRY	**Project Number**	: CO 153512/ S V00170
Instrument ID	: AIRLAB23	**Analysis Date**	: 02/02/26 16:29:00
Sample No	: WG2171514-2	**Lab File ID**	: R238353

	Bromochloromethane		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
WG2171514-2	256103	8.87	957969	11.06	117966	15.73
Upper Limit	358544	9.20	1341157	11.39	165152	16.06
Lower Limit	153662	8.54	574781	10.73	70780	15.40
Sample ID						
WG2171514-3 LCS	256103	8.87	957969	11.06	117966	15.73
WG2171514-4 BLANK	251132	8.87	844808	11.05	105669	15.73
IA05_012926 DUP	224511	8.87	765495	11.06	100578	15.73
IA-1-20260120	227988	8.87	757783	11.06	103208	15.73
IA-2-20260120	235933	8.86	786488	11.05	102991	15.73
VP-1-20260120	234205	8.87	780719	11.06	102875	15.74
VP-2-20260120	234878	8.87	808193	11.06	107420	15.73
VP-3-20260120	259175	8.88	994453	11.06	125682	15.73

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	: NYDEC_AECOM Environment	**Lab Number**	: L2603846
Project Name	: POPULAR HAND LAUNDRY	**Project Number**	: CO 153512/ S V00170
Instrument ID	: AIRLAB16	**Analysis Date**	: 02/03/26 12:34:00
Sample No	: WG2171920-2	**Lab File ID**	: R1653977_EV2

	Bromochloromethane		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
WG2171920-2	206599	9.10	553890	11.31	72598	15.98
Upper Limit	289239	9.43	775446	11.64	101637	16.31
Lower Limit	123959	8.77	332334	10.98	43559	15.65
Sample ID						
WG2171920-3 LCS	206599	9.10	553890	11.31	72598	15.98
WG2171920-4 BLANK	208772	9.09	557810	11.31	73299	15.98
AIR DUMMY 84 DUP	189192	9.10	514272	11.31	69682	15.98
VP-3-20260120	184507	9.10	505616	11.31	69475	15.98

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	: NYDEC_AECOM Environment	**Lab Number**	: L2603846
Project Name	: POPULAR HAND LAUNDRY	**Project Number**	: CO 153512/ S V00170
Instrument ID	: AIRPIANO4	**Analysis Date**	: 02/03/26 14:28:00
Sample No	: WG2171899-2	**Lab File ID**	: R442283_EV2

	Bromochloromethane		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
WG2171899-2	346658	9.24	993616	11.46	132612	16.11
Upper Limit	485321	9.57	1391062	11.79	185657	16.44
Lower Limit	207995	8.91	596170	11.13	79567	15.78
Sample ID						
WG2171899-3 LCS	346658	9.24	993616	11.46	132612	16.11
WG2171899-4 BLANK	330264	9.23	940029	11.45	124021	16.10
AA-1-20260120	319839	9.23	898808	11.45	120601	16.10
IA-3-20260120	301991	9.23	845275	11.45	117744	16.10
IA-2 DUP	287707	9.23	796240	11.45	116338	16.10

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: 04/17/25
Created By: Jason Hebert
File: PM19301-1
Page: 1

Volatile Organics in Air by TO-15 SIM (AIR)

Holding Time: 30 days
Container/Sample Preservation: 1 - Generic Air Can for Bottleorder

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			
1,2,4-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-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			
2,2,4-Trimethylpentane	540-84-1	0.2	0.037	ppbV	70-130	25		25	25			
2-Hexanone	591-78-6	0.2	0.0354	ppbV	70-130	25		25	25			
3-Chloropropene	107-05-1	0.2	0.0327	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			
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			
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			
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			

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 Pace Analytical Services.

Volatile Organics in Air by TO-15 SIM (AIR)

Holding Time: 30 days
Container/Sample Preservation: 1 - Generic Air Can for Bottleorder

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
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			
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			
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			
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	1	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			
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 Pace Analytical Services.

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	Lab Number	: L2603846
Project Name	: POPULAR HAND LAUNDRY	Project Number	: CO 153512/ S V00170
Lab ID	: L2603846-01D	Date Collected	: 01/20/26 19:33
Client ID	: VP-1-20260120	Date Received	: 01/21/26
Sample Location	: 88 INGRAHAM STREET, BROOKLYN, NY 11237	Date Analyzed	: 02/03/26 05:04
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 19.16
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R238364	Instrument ID	: AIRLAB23
Sample Amount	: 13.1 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	ND	3.83	0.956	ND	18.9	4.73	U
74-87-3	Chloromethane	ND	3.83	1.45	ND	7.91	2.99	U
76-14-2	Freon-114	ND	0.958	0.123	ND	6.70	0.860	U
75-01-4	Vinyl chloride	ND	0.383	0.169	ND	0.979	0.432	U
74-83-9	Bromomethane	ND	0.383	0.180	ND	1.49	0.699	U
75-00-3	Chloroethane	ND	1.92	0.757	ND	5.07	2.00	U
64-17-5	Ethanol	135	95.8	25.9	254	181	48.8	
75-69-4	Trichlorofluoromethane	0.230	0.958	0.176	1.29	5.38	0.989	J
75-35-4	1,1-Dichloroethene	ND	0.383	0.148	ND	1.52	0.587	U
75-65-0	Tert-Butyl Alcohol	ND	9.58	2.57	ND	29.0	7.79	U
75-09-2	Methylene chloride	ND	9.58	2.11	ND	33.3	7.33	U
76-13-1	Freon-113	ND	0.958	0.159	ND	7.34	1.22	U
156-60-5	trans-1,2-Dichloroethene	1.94	0.383	0.172	7.69	1.52	0.682	
75-34-3	1,1-Dichloroethane	ND	0.383	0.165	ND	1.55	0.668	U
1634-04-4	Methyl tert butyl ether	ND	3.83	0.500	ND	13.8	1.80	U
78-93-3	2-Butanone	6.40	9.58	2.53	18.9	28.3	7.46	J
156-59-2	cis-1,2-Dichloroethene	0.805	0.383	0.195	3.19	1.52	0.773	
67-66-3	Chloroform	ND	0.383	0.136	ND	1.87	0.664	U
107-06-2	1,2-Dichloroethane	ND	0.383	0.159	ND	1.55	0.644	U
110-54-3	n-Hexane	ND	3.83	0.902	ND	13.5	3.18	U
71-55-6	1,1,1-Trichloroethane	ND	0.383	0.113	ND	2.09	0.617	U
71-43-2	Benzene	ND	1.92	0.571	ND	6.13	1.82	U
56-23-5	Carbon tetrachloride	ND	0.383	0.211	ND	2.41	1.33	U
110-82-7	Cyclohexane	ND	3.83	0.600	ND	13.2	2.07	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	Lab Number	: L2603846
Project Name	: POPULAR HAND LAUNDRY	Project Number	: CO 153512/ S V00170
Lab ID	: L2603846-01D	Date Collected	: 01/20/26 19:33
Client ID	: VP-1-20260120	Date Received	: 01/21/26
Sample Location	: 88 INGRAHAM STREET, BROOKLYN, NY 11237	Date Analyzed	: 02/03/26 05:04
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 19.16
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R238364	Instrument ID	: AIRLAB23
Sample Amount	: 13.1 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
78-87-5	1,2-Dichloropropane	ND	0.383	0.159	ND	1.77	0.735	U
75-27-4	Bromodichloromethane	ND	0.383	0.142	ND	2.57	0.951	U
123-91-1	1,4-Dioxane	ND	1.92	0.659	ND	6.92	2.37	U
79-01-6	Trichloroethene	3.91	0.383	0.115	21.0	2.06	0.618	
540-84-1	2,2,4-Trimethylpentane	0.728	3.83	0.709	3.40	17.9	3.31	J
142-82-5	Heptane	0.862	3.83	0.600	3.53	15.7	2.46	J
10061-01-5	cis-1,3-Dichloropropene	ND	0.383	0.226	ND	1.74	1.03	U
108-10-1	4-Methyl-2-pentanone	ND	9.58	3.66	ND	39.3	15.0	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.383	0.220	ND	1.74	0.999	U
79-00-5	1,1,2-Trichloroethane	ND	0.383	0.186	ND	2.09	1.01	U
108-88-3	Toluene	61.9	1.92	0.318	233	7.24	1.20	
124-48-1	Dibromochloromethane	ND	0.383	0.153	ND	3.26	1.30	U
106-93-4	1,2-Dibromoethane	ND	0.383	0.174	ND	2.94	1.34	U
127-18-4	Tetrachloroethene	23.3	0.383	0.142	158	2.60	0.963	
108-90-7	Chlorobenzene	ND	1.92	0.494	ND	8.84	2.28	U
100-41-4	Ethylbenzene	0.709	0.383	0.163	3.08	1.66	0.708	
179601-23-1	p/m-Xylene	2.28	0.766	0.345	9.90	3.33	1.50	
75-25-2	Bromoform	ND	0.383	0.213	ND	3.96	2.20	U
100-42-5	Styrene	0.402	0.383	0.151	1.71	1.63	0.643	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.383	0.128	ND	2.63	0.879	U
95-47-6	o-Xylene	0.977	0.383	0.167	4.24	1.66	0.725	
108-67-8	1,3,5-Trimethylbenzene	0.249	0.383	0.184	1.22	1.88	0.905	J
95-63-6	1,2,4-Trimethylbenzene	1.07	0.383	0.146	5.26	1.88	0.718	
100-44-7	Benzyl chloride	ND	1.92	0.636	ND	9.94	3.29	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	Lab Number	: L2603846
Project Name	: POPULAR HAND LAUNDRY	Project Number	: CO 153512/ S V00170
Lab ID	: L2603846-01D	Date Collected	: 01/20/26 19:33
Client ID	: VP-1-20260120	Date Received	: 01/21/26
Sample Location	: 88 INGRAHAM STREET, BROOKLYN, NY 11237	Date Analyzed	: 02/03/26 05:04
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 19.16
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R238364	Instrument ID	: AIRLAB23
Sample Amount	: 13.1 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
541-73-1	1,3-Dichlorobenzene	ND	0.383	0.148	ND	2.30	0.890	U
106-46-7	1,4-Dichlorobenzene	ND	0.383	0.144	ND	2.30	0.866	U
95-50-1	1,2-Dichlorobenzene	ND	0.383	0.119	ND	2.30	0.715	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.958	0.280	ND	7.11	2.08	U
91-20-3	Naphthalene	ND	0.958	0.402	ND	5.02	2.11	U
87-68-3	Hexachlorobutadiene	ND	0.958	0.211	ND	10.2	2.25	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	Lab Number	: L2603846
Project Name	: POPULAR HAND LAUNDRY	Project Number	: CO 153512/ S V00170
Lab ID	: L2603846-02	Date Collected	: 01/20/26 19:33
Client ID	: IA-1-20260120	Date Received	: 01/21/26
Sample Location	: 88 INGRAHAM STREET, BROOKLYN, NY 11237	Date Analyzed	: 02/03/26 03:11
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R238361	Instrument ID	: AIRLAB23
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	0.382	0.200	0.050	1.89	0.989	0.247	
74-87-3	Chloromethane	0.533	0.200	0.076	1.10	0.413	0.156	
76-14-2	Freon-114	0.014	0.050	0.006	0.098	0.349	0.045	J
75-01-4	Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023	U
74-83-9	Bromomethane	ND	0.020	0.009	ND	0.078	0.037	U
75-00-3	Chloroethane	ND	0.100	0.040	ND	0.264	0.104	U
64-17-5	Ethanol	42.5	5.00	1.35	80.1	9.42	2.54	
75-69-4	Trichlorofluoromethane	0.172	0.050	0.009	0.967	0.281	0.052	
75-35-4	1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031	U
75-65-0	Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406	U
75-09-2	Methylene chloride	0.439	0.500	0.110	1.53	1.74	0.382	J
76-13-1	Freon-113	0.062	0.050	0.008	0.475	0.383	0.064	
156-60-5	trans-1,2-Dichloroethene	0.014	0.020	0.009	0.056	0.079	0.036	J
75-34-3	1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035	U
1634-04-4	Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094	U
78-93-3	2-Butanone	0.940	0.500	0.132	2.77	1.47	0.389	
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040	U
67-66-3	Chloroform	0.036	0.020	0.007	0.176	0.098	0.035	
107-06-2	1,2-Dichloroethane	0.021	0.020	0.008	0.085	0.081	0.034	
110-54-3	n-Hexane	0.860	0.200	0.047	3.03	0.705	0.166	
71-55-6	1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032	U
71-43-2	Benzene	0.287	0.100	0.030	0.917	0.319	0.095	
56-23-5	Carbon tetrachloride	0.082	0.020	0.011	0.516	0.126	0.069	
110-82-7	Cyclohexane	0.078	0.200	0.031	0.268	0.688	0.108	J

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	Lab Number	: L2603846
Project Name	: POPULAR HAND LAUNDRY	Project Number	: CO 153512/ S V00170
Lab ID	: L2603846-02	Date Collected	: 01/20/26 19:33
Client ID	: IA-1-20260120	Date Received	: 01/21/26
Sample Location	: 88 INGRAHAM STREET, BROOKLYN, NY 11237	Date Analyzed	: 02/03/26 03:11
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R238361	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
78-87-5	1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038	U
75-27-4	Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050	U
123-91-1	1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124	U
79-01-6	Trichloroethene	0.161	0.020	0.006	0.865	0.107	0.032	
540-84-1	2,2,4-Trimethylpentane	0.122	0.200	0.037	0.570	0.934	0.173	J
142-82-5	Heptane	0.275	0.200	0.031	1.13	0.820	0.128	
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053	U
108-88-3	Toluene	1.73	0.100	0.017	6.52	0.377	0.063	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070	U
127-18-4	Tetrachloroethene	0.100	0.020	0.007	0.678	0.136	0.050	
108-90-7	Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119	U
100-41-4	Ethylbenzene	0.135	0.020	0.009	0.586	0.087	0.037	
179601-23-1	p/m-Xylene	0.488	0.040	0.018	2.12	0.174	0.078	
75-25-2	Bromoform	ND	0.020	0.011	ND	0.207	0.115	U
100-42-5	Styrene	1.43	0.020	0.008	6.09	0.085	0.034	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046	U
95-47-6	o-Xylene	0.212	0.020	0.009	0.921	0.087	0.038	
108-67-8	1,3,5-Trimethylbenzene	0.114	0.020	0.010	0.560	0.098	0.047	
95-63-6	1,2,4-Trimethylbenzene	0.387	0.020	0.008	1.90	0.098	0.037	
100-44-7	Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	**Lab Number**	: L2603846
Project Name	: POPULAR HAND LAUNDRY	**Project Number**	: CO 153512/ S V00170
Lab ID	: L2603846-02	**Date Collected**	: 01/20/26 19:33
Client ID	: IA-1-20260120	**Date Received**	: 01/21/26
Sample Location	: 88 INGRAHAM STREET, BROOKLYN, NY 11237	**Date Analyzed**	: 02/03/26 03:11
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TPH
Lab File ID	: R238361	**Instrument ID**	: AIRLAB23
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046	U
106-46-7	1,4-Dichlorobenzene	0.013	0.020	0.008	0.078	0.120	0.045	J
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108	U
91-20-3	Naphthalene	0.026	0.050	0.021	0.136	0.262	0.110	J
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	Lab Number	: L2603846
Project Name	: POPULAR HAND LAUNDRY	Project Number	: CO 153512/ S V00170
Lab ID	: L2603846-03	Date Collected	: 01/20/26 18:52
Client ID	: VP-2-20260120	Date Received	: 01/21/26
Sample Location	: 88 INGRAHAM STREET, BROOKLYN, NY 11237	Date Analyzed	: 02/03/26 05:46
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R238365	Instrument ID	: AIRLAB23
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	0.368	0.200	0.050	1.82	0.989	0.247	
74-87-3	Chloromethane	0.231	0.200	0.076	0.477	0.413	0.156	
76-14-2	Freon-114	0.013	0.050	0.006	0.091	0.349	0.045	J
75-01-4	Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023	U
74-83-9	Bromomethane	ND	0.020	0.009	ND	0.078	0.037	U
75-00-3	Chloroethane	ND	0.100	0.040	ND	0.264	0.104	U
64-17-5	Ethanol	14.4	5.00	1.35	27.1	9.42	2.54	
75-69-4	Trichlorofluoromethane	0.205	0.050	0.009	1.15	0.281	0.052	
75-35-4	1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031	U
75-65-0	Tert-Butyl Alcohol	0.520	0.500	0.134	1.58	1.52	0.406	
75-09-2	Methylene chloride	ND	0.500	0.110	ND	1.74	0.382	U
76-13-1	Freon-113	0.061	0.050	0.008	0.468	0.383	0.064	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035	U
1634-04-4	Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094	U
78-93-3	2-Butanone	25.7	0.500	0.132	75.8	1.47	0.389	
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040	U
67-66-3	Chloroform	1.21	0.020	0.007	5.91	0.098	0.035	
107-06-2	1,2-Dichloroethane	0.014	0.020	0.008	0.057	0.081	0.034	J
110-54-3	n-Hexane	0.615	0.200	0.047	2.17	0.705	0.166	
71-55-6	1,1,1-Trichloroethane	0.316	0.020	0.006	1.72	0.109	0.032	
71-43-2	Benzene	0.450	0.100	0.030	1.44	0.319	0.095	
56-23-5	Carbon tetrachloride	0.659	0.020	0.011	4.15	0.126	0.069	
110-82-7	Cyclohexane	0.151	0.200	0.031	0.520	0.688	0.108	J

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	Lab Number	: L2603846
Project Name	: POPULAR HAND LAUNDRY	Project Number	: CO 153512/ S V00170
Lab ID	: L2603846-03	Date Collected	: 01/20/26 18:52
Client ID	: VP-2-20260120	Date Received	: 01/21/26
Sample Location	: 88 INGRAHAM STREET, BROOKLYN, NY 11237	Date Analyzed	: 02/03/26 05:46
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R238365	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
78-87-5	1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038	U
75-27-4	Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050	U
123-91-1	1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124	U
79-01-6	Trichloroethene	0.067	0.020	0.006	0.360	0.107	0.032	
540-84-1	2,2,4-Trimethylpentane	0.115	0.200	0.037	0.537	0.934	0.173	J
142-82-5	Heptane	0.535	0.200	0.031	2.19	0.820	0.128	
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053	U
108-88-3	Toluene	5.32	0.100	0.017	20.0	0.377	0.063	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070	U
127-18-4	Tetrachloroethene	2.21	0.020	0.007	15.0	0.136	0.050	
108-90-7	Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119	U
100-41-4	Ethylbenzene	0.970	0.020	0.009	4.21	0.087	0.037	
179601-23-1	p/m-Xylene	3.28	0.040	0.018	14.2	0.174	0.078	
75-25-2	Bromoform	ND	0.020	0.011	ND	0.207	0.115	U
100-42-5	Styrene	1.62	0.020	0.008	6.90	0.085	0.034	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046	U
95-47-6	o-Xylene	1.19	0.020	0.009	5.17	0.087	0.038	
108-67-8	1,3,5-Trimethylbenzene	0.280	0.020	0.010	1.38	0.098	0.047	
95-63-6	1,2,4-Trimethylbenzene	1.65	0.020	0.008	8.11	0.098	0.037	
100-44-7	Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	Lab Number	: L2603846
Project Name	: POPULAR HAND LAUNDRY	Project Number	: CO 153512/ S V00170
Lab ID	: L2603846-03	Date Collected	: 01/20/26 18:52
Client ID	: VP-2-20260120	Date Received	: 01/21/26
Sample Location	: 88 INGRAHAM STREET, BROOKLYN, NY 11237	Date Analyzed	: 02/03/26 05:46
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R238365	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108	U
91-20-3	Naphthalene	0.081	0.050	0.021	0.425	0.262	0.110	
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	Lab Number	: L2603846
Project Name	: POPULAR HAND LAUNDRY	Project Number	: CO 153512/ S V00170
Lab ID	: L2603846-04	Date Collected	: 01/20/26 18:52
Client ID	: IA-2-20260120	Date Received	: 01/21/26
Sample Location	: 88 INGRAHAM STREET, BROOKLYN, NY 11237	Date Analyzed	: 02/03/26 03:51
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R238362	Instrument ID	: AIRLAB23
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	0.381	0.200	0.050	1.88	0.989	0.247	
74-87-3	Chloromethane	0.567	0.200	0.076	1.17	0.413	0.156	
76-14-2	Freon-114	0.014	0.050	0.006	0.098	0.349	0.045	J
75-01-4	Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023	U
74-83-9	Bromomethane	ND	0.020	0.009	ND	0.078	0.037	U
75-00-3	Chloroethane	ND	0.100	0.040	ND	0.264	0.104	U
64-17-5	Ethanol	48.7	5.00	1.35	91.8	9.42	2.54	
75-69-4	Trichlorofluoromethane	0.170	0.050	0.009	0.955	0.281	0.052	
75-35-4	1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031	U
75-65-0	Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406	U
75-09-2	Methylene chloride	0.333	0.500	0.110	1.16	1.74	0.382	J
76-13-1	Freon-113	0.062	0.050	0.008	0.475	0.383	0.064	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035	U
1634-04-4	Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094	U
78-93-3	2-Butanone	1.08	0.500	0.132	3.19	1.47	0.389	
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040	U
67-66-3	Chloroform	0.038	0.020	0.007	0.186	0.098	0.035	
107-06-2	1,2-Dichloroethane	0.021	0.020	0.008	0.085	0.081	0.034	
110-54-3	n-Hexane	0.200	0.200	0.047	0.705	0.705	0.166	
71-55-6	1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032	U
71-43-2	Benzene	0.277	0.100	0.030	0.885	0.319	0.095	
56-23-5	Carbon tetrachloride	0.075	0.020	0.011	0.472	0.126	0.069	
110-82-7	Cyclohexane	0.090	0.200	0.031	0.310	0.688	0.108	J

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	Lab Number	: L2603846
Project Name	: POPULAR HAND LAUNDRY	Project Number	: CO 153512/ S V00170
Lab ID	: L2603846-04	Date Collected	: 01/20/26 18:52
Client ID	: IA-2-20260120	Date Received	: 01/21/26
Sample Location	: 88 INGRAHAM STREET, BROOKLYN, NY 11237	Date Analyzed	: 02/03/26 03:51
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R238362	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
78-87-5	1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038	U
75-27-4	Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050	U
123-91-1	1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124	U
79-01-6	Trichloroethene	0.152	0.020	0.006	0.817	0.107	0.032	
540-84-1	2,2,4-Trimethylpentane	0.101	0.200	0.037	0.472	0.934	0.173	J
142-82-5	Heptane	0.286	0.200	0.031	1.17	0.820	0.128	
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053	U
108-88-3	Toluene	1.84	0.100	0.017	6.93	0.377	0.063	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070	U
127-18-4	Tetrachloroethene	0.157	0.020	0.007	1.06	0.136	0.050	
108-90-7	Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119	U
100-41-4	Ethylbenzene	0.148	0.020	0.009	0.643	0.087	0.037	
179601-23-1	p/m-Xylene	0.539	0.040	0.018	2.34	0.174	0.078	
75-25-2	Bromoform	ND	0.020	0.011	ND	0.207	0.115	U
100-42-5	Styrene	4.11	0.020	0.008	17.5	0.085	0.034	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046	U
95-47-6	o-Xylene	0.240	0.020	0.009	1.04	0.087	0.038	
108-67-8	1,3,5-Trimethylbenzene	0.114	0.020	0.010	0.560	0.098	0.047	
95-63-6	1,2,4-Trimethylbenzene	0.370	0.020	0.008	1.82	0.098	0.037	
100-44-7	Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	Lab Number	: L2603846
Project Name	: POPULAR HAND LAUNDRY	Project Number	: CO 153512/ S V00170
Lab ID	: L2603846-04	Date Collected	: 01/20/26 18:52
Client ID	: IA-2-20260120	Date Received	: 01/21/26
Sample Location	: 88 INGRAHAM STREET, BROOKLYN, NY 11237	Date Analyzed	: 02/03/26 03:51
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R238362	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108	U
91-20-3	Naphthalene	ND	0.050	0.021	ND	0.262	0.110	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	Lab Number	: L2603846
Project Name	: POPULAR HAND LAUNDRY	Project Number	: CO 153512/ S V00170
Lab ID	: L2603846-05	Date Collected	: 01/20/26 19:10
Client ID	: VP-3-20260120	Date Received	: 01/21/26
Sample Location	: 88 INGRAHAM STREET, BROOKLYN, NY 11237	Date Analyzed	: 02/03/26 06:28
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R238366	Instrument ID	: AIRLAB23
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	0.435	0.200	0.050	2.15	0.989	0.247	
74-87-3	Chloromethane	0.326	0.200	0.076	0.673	0.413	0.156	
76-14-2	Freon-114	0.015	0.050	0.006	0.105	0.349	0.045	J
75-01-4	Vinyl chloride	0.115	0.020	0.009	0.294	0.051	0.023	
74-83-9	Bromomethane	ND	0.020	0.009	ND	0.078	0.037	U
75-00-3	Chloroethane	0.116	0.100	0.040	0.306	0.264	0.104	
64-17-5	Ethanol	11.7	5.00	1.35	22.0	9.42	2.54	
75-69-4	Trichlorofluoromethane	0.225	0.050	0.009	1.26	0.281	0.052	
75-35-4	1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031	U
75-65-0	Tert-Butyl Alcohol	1.30	0.500	0.134	3.94	1.52	0.406	
75-09-2	Methylene chloride	0.172	0.500	0.110	0.598	1.74	0.382	J
76-13-1	Freon-113	0.065	0.050	0.008	0.498	0.383	0.064	
156-60-5	trans-1,2-Dichloroethene	20.1	0.020	0.009	79.7	0.079	0.036	
75-34-3	1,1-Dichloroethane	10.6	0.020	0.009	42.9	0.081	0.035	
1634-04-4	Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094	U
78-93-3	2-Butanone	33.0	0.500	0.132	97.3	1.47	0.389	
156-59-2	cis-1,2-Dichloroethene	89.2	0.020	0.010	354E	0.079	0.040	E
67-66-3	Chloroform	4.95	0.020	0.007	24.2	0.098	0.035	
107-06-2	1,2-Dichloroethane	0.016	0.020	0.008	0.065	0.081	0.034	J
110-54-3	n-Hexane	5.06	0.200	0.047	17.8	0.705	0.166	
71-55-6	1,1,1-Trichloroethane	3.50	0.020	0.006	19.1	0.109	0.032	
71-43-2	Benzene	0.399	0.100	0.030	1.27	0.319	0.095	
56-23-5	Carbon tetrachloride	0.043	0.020	0.011	0.270	0.126	0.069	
110-82-7	Cyclohexane	0.189	0.200	0.031	0.651	0.688	0.108	J

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	Lab Number	: L2603846
Project Name	: POPULAR HAND LAUNDRY	Project Number	: CO 153512/ S V00170
Lab ID	: L2603846-05	Date Collected	: 01/20/26 19:10
Client ID	: VP-3-20260120	Date Received	: 01/21/26
Sample Location	: 88 INGRAHAM STREET, BROOKLYN, NY 11237	Date Analyzed	: 02/03/26 06:28
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R238366	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
78-87-5	1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038	U
75-27-4	Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050	U
123-91-1	1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124	U
79-01-6	Trichloroethene	22.8	0.020	0.006	123	0.107	0.032	
540-84-1	2,2,4-Trimethylpentane	0.739	0.200	0.037	3.45	0.934	0.173	
142-82-5	Heptane	0.784	0.200	0.031	3.21	0.820	0.128	
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053	U
108-88-3	Toluene	5.12	0.100	0.017	19.3	0.377	0.063	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070	U
127-18-4	Tetrachloroethene	13.0	0.020	0.007	88.2	0.136	0.050	
108-90-7	Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119	U
100-41-4	Ethylbenzene	0.782	0.020	0.009	3.40	0.087	0.037	
179601-23-1	p/m-Xylene	2.58	0.040	0.018	11.2	0.174	0.078	
75-25-2	Bromoform	ND	0.020	0.011	ND	0.207	0.115	U
100-42-5	Styrene	4.11	0.020	0.008	17.5	0.085	0.034	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046	U
95-47-6	o-Xylene	0.902	0.020	0.009	3.92	0.087	0.038	
108-67-8	1,3,5-Trimethylbenzene	0.158	0.020	0.010	0.777	0.098	0.047	
95-63-6	1,2,4-Trimethylbenzene	0.989	0.020	0.008	4.86	0.098	0.037	
100-44-7	Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	**Lab Number**	: L2603846
Project Name	: POPULAR HAND LAUNDRY	**Project Number**	: CO 153512/ S V00170
Lab ID	: L2603846-05	**Date Collected**	: 01/20/26 19:10
Client ID	: VP-3-20260120	**Date Received**	: 01/21/26
Sample Location	: 88 INGRAHAM STREET, BROOKLYN, NY 11237	**Date Analyzed**	: 02/03/26 06:28
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TPH
Lab File ID	: R238366	**Instrument ID**	: AIRLAB23
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108	U
91-20-3	Naphthalene	0.050	0.050	0.021	0.262	0.262	0.110	
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	**Lab Number**	: L2603846
Project Name	: POPULAR HAND LAUNDRY	**Project Number**	: CO 153512/ S V00170
Lab ID	: L2603846-05D	**Date Collected**	: 01/20/26 19:10
Client ID	: VP-3-20260120	**Date Received**	: 01/21/26
Sample Location	: 88 INGRAHAM STREET, BROOKLYN, NY 11237	**Date Analyzed**	: 02/04/26 04:52
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 5
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TPH
Lab File ID	: R1653995_EV2	**Instrument ID**	: AIRLAB16
Sample Amount	: 50.0 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
156-59-2	cis-1,2-Dichloroethene	120	0.100	0.051	476	0.396	0.202	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	Lab Number	: L2603846
Project Name	: POPULAR HAND LAUNDRY	Project Number	: CO 153512/ S V00170
Lab ID	: L2603846-06	Date Collected	: 01/20/26 19:10
Client ID	: IA-3-20260120	Date Received	: 01/21/26
Sample Location	: 88 INGRAHAM STREET, BROOKLYN, NY 11237	Date Analyzed	: 02/03/26 23:14
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R442293_EV2	Instrument ID	: AIRPIANO4
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	0.532	0.200	0.050	2.63	0.989	0.247	
74-87-3	Chloromethane	0.597	0.200	0.076	1.23	0.413	0.156	
76-14-2	Freon-114	0.022	0.050	0.006	0.154	0.349	0.045	J
75-01-4	Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023	U
74-83-9	Bromomethane	ND	0.020	0.009	ND	0.078	0.037	U
75-00-3	Chloroethane	ND	0.100	0.040	ND	0.264	0.104	U
64-17-5	Ethanol	22.9	5.00	1.35	43.1	9.42	2.54	
75-69-4	Trichlorofluoromethane	0.244	0.050	0.009	1.37	0.281	0.052	
75-35-4	1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031	U
75-65-0	Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406	U
75-09-2	Methylene chloride	0.311	0.500	0.110	1.08	1.74	0.382	J
76-13-1	Freon-113	0.070	0.050	0.008	0.537	0.383	0.064	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035	U
1634-04-4	Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094	U
78-93-3	2-Butanone	0.794	0.500	0.132	2.34	1.47	0.389	
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040	U
67-66-3	Chloroform	0.032	0.020	0.007	0.156	0.098	0.035	
107-06-2	1,2-Dichloroethane	0.030	0.020	0.008	0.121	0.081	0.034	
110-54-3	n-Hexane	0.256	0.200	0.047	0.902	0.705	0.166	
71-55-6	1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032	U
71-43-2	Benzene	0.279	0.100	0.030	0.891	0.319	0.095	
56-23-5	Carbon tetrachloride	0.097	0.020	0.011	0.610	0.126	0.069	
110-82-7	Cyclohexane	0.100	0.200	0.031	0.344	0.688	0.108	J

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	Lab Number	: L2603846
Project Name	: POPULAR HAND LAUNDRY	Project Number	: CO 153512/ S V00170
Lab ID	: L2603846-06	Date Collected	: 01/20/26 19:10
Client ID	: IA-3-20260120	Date Received	: 01/21/26
Sample Location	: 88 INGRAHAM STREET, BROOKLYN, NY 11237	Date Analyzed	: 02/03/26 23:14
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R442293_EV2	Instrument ID	: AIRPIANO4
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
78-87-5	1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038	U
75-27-4	Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050	U
123-91-1	1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124	U
79-01-6	Trichloroethene	0.072	0.020	0.006	0.387	0.107	0.032	
540-84-1	2,2,4-Trimethylpentane	0.093	0.200	0.037	0.434	0.934	0.173	J
142-82-5	Heptane	0.461	0.200	0.031	1.89	0.820	0.128	
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053	U
108-88-3	Toluene	2.43	0.100	0.017	9.16	0.377	0.063	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070	U
127-18-4	Tetrachloroethene	0.144	0.020	0.007	0.976	0.136	0.050	
108-90-7	Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119	U
100-41-4	Ethylbenzene	0.176	0.020	0.009	0.764	0.087	0.037	
179601-23-1	p/m-Xylene	0.683	0.040	0.018	2.97	0.174	0.078	
75-25-2	Bromoform	ND	0.020	0.011	ND	0.207	0.115	U
100-42-5	Styrene	0.731	0.020	0.008	3.11	0.085	0.034	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046	U
95-47-6	o-Xylene	0.234	0.020	0.009	1.02	0.087	0.038	
108-67-8	1,3,5-Trimethylbenzene	0.089	0.020	0.010	0.438	0.098	0.047	
95-63-6	1,2,4-Trimethylbenzene	0.318	0.020	0.008	1.56	0.098	0.037	
100-44-7	Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	**Lab Number**	: L2603846
Project Name	: POPULAR HAND LAUNDRY	**Project Number**	: CO 153512/ S V00170
Lab ID	: L2603846-06	**Date Collected**	: 01/20/26 19:10
Client ID	: IA-3-20260120	**Date Received**	: 01/21/26
Sample Location	: 88 INGRAHAM STREET, BROOKLYN, NY 11237	**Date Analyzed**	: 02/03/26 23:14
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TPH
Lab File ID	: R442293_EV2	**Instrument ID**	: AIRPIANO4
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108	U
91-20-3	Naphthalene	0.025	0.050	0.021	0.131	0.262	0.110	J
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	Lab Number	: L2603846
Project Name	: POPULAR HAND LAUNDRY	Project Number	: CO 153512/ S V00170
Lab ID	: L2603846-07	Date Collected	: 01/20/26 18:08
Client ID	: AA-1-20260120	Date Received	: 01/21/26
Sample Location	: 88 INGRAHAM STREET, BROOKLYN, NY 11237	Date Analyzed	: 02/03/26 18:40
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R442286_EV2	Instrument ID	: AIRPIANO4
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	0.500	0.200	0.050	2.47	0.989	0.247	
74-87-3	Chloromethane	0.576	0.200	0.076	1.19	0.413	0.156	
76-14-2	Freon-114	0.020	0.050	0.006	0.140	0.349	0.045	J
75-01-4	Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023	U
74-83-9	Bromomethane	0.011	0.020	0.009	0.043	0.078	0.037	J
75-00-3	Chloroethane	ND	0.100	0.040	ND	0.264	0.104	U
64-17-5	Ethanol	3.05	5.00	1.35	5.75	9.42	2.54	J
75-69-4	Trichlorofluoromethane	0.232	0.050	0.009	1.30	0.281	0.052	
75-35-4	1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031	U
75-65-0	Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406	U
75-09-2	Methylene chloride	0.181	0.500	0.110	0.629	1.74	0.382	J
76-13-1	Freon-113	0.071	0.050	0.008	0.544	0.383	0.064	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035	U
1634-04-4	Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094	U
78-93-3	2-Butanone	0.609	0.500	0.132	1.80	1.47	0.389	
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040	U
67-66-3	Chloroform	0.021	0.020	0.007	0.103	0.098	0.035	
107-06-2	1,2-Dichloroethane	0.020	0.020	0.008	0.081	0.081	0.034	
110-54-3	n-Hexane	0.243	0.200	0.047	0.856	0.705	0.166	
71-55-6	1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032	U
71-43-2	Benzene	0.201	0.100	0.030	0.642	0.319	0.095	
56-23-5	Carbon tetrachloride	0.089	0.020	0.011	0.560	0.126	0.069	
110-82-7	Cyclohexane	0.072	0.200	0.031	0.248	0.688	0.108	J

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	Lab Number	: L2603846
Project Name	: POPULAR HAND LAUNDRY	Project Number	: CO 153512/ S V00170
Lab ID	: L2603846-07	Date Collected	: 01/20/26 18:08
Client ID	: AA-1-20260120	Date Received	: 01/21/26
Sample Location	: 88 INGRAHAM STREET, BROOKLYN, NY 11237	Date Analyzed	: 02/03/26 18:40
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R442286_EV2	Instrument ID	: AIRPIANO4
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
78-87-5	1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038	U
75-27-4	Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050	U
123-91-1	1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124	U
79-01-6	Trichloroethene	ND	0.020	0.006	ND	0.107	0.032	U
540-84-1	2,2,4-Trimethylpentane	0.087	0.200	0.037	0.406	0.934	0.173	J
142-82-5	Heptane	0.132	0.200	0.031	0.541	0.820	0.128	J
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053	U
108-88-3	Toluene	0.569	0.100	0.017	2.14	0.377	0.063	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070	U
127-18-4	Tetrachloroethene	0.072	0.020	0.007	0.488	0.136	0.050	
108-90-7	Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119	U
100-41-4	Ethylbenzene	0.096	0.020	0.009	0.417	0.087	0.037	
179601-23-1	p/m-Xylene	0.331	0.040	0.018	1.44	0.174	0.078	
75-25-2	Bromoform	ND	0.020	0.011	ND	0.207	0.115	U
100-42-5	Styrene	0.045	0.020	0.008	0.192	0.085	0.034	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046	U
95-47-6	o-Xylene	0.118	0.020	0.009	0.513	0.087	0.038	
108-67-8	1,3,5-Trimethylbenzene	0.026	0.020	0.010	0.128	0.098	0.047	
95-63-6	1,2,4-Trimethylbenzene	0.097	0.020	0.008	0.477	0.098	0.037	
100-44-7	Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	Lab Number	: L2603846
Project Name	: POPULAR HAND LAUNDRY	Project Number	: CO 153512/ S V00170
Lab ID	: L2603846-07	Date Collected	: 01/20/26 18:08
Client ID	: AA-1-20260120	Date Received	: 01/21/26
Sample Location	: 88 INGRAHAM STREET, BROOKLYN, NY 11237	Date Analyzed	: 02/03/26 18:40
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R442286_EV2	Instrument ID	: AIRPIANO4
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108	U
91-20-3	Naphthalene	0.028	0.050	0.021	0.147	0.262	0.110	J
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	Lab Number	: L2603846
Project Name	: POPULAR HAND LAUNDRY	Project Number	: CO 153512/ S V00170
Lab ID	: WG2171514-4	Date Collected	: NA
Client ID	: WG2171514-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/02/26 23:05
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R238355	Instrument ID	: AIRLAB23
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	0.050	ND	0.989	0.247	U
74-87-3	Chloromethane	ND	0.200	0.076	ND	0.413	0.156	U
76-14-2	Freon-114	ND	0.050	0.006	ND	0.349	0.045	U
75-01-4	Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023	U
74-83-9	Bromomethane	ND	0.020	0.009	ND	0.078	0.037	U
75-00-3	Chloroethane	ND	0.100	0.040	ND	0.264	0.104	U
64-17-5	Ethanol	ND	5.00	1.35	ND	9.42	2.54	U
75-69-4	Trichlorofluoromethane	ND	0.050	0.009	ND	0.281	0.052	U
75-35-4	1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031	U
75-65-0	Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406	U
75-09-2	Methylene chloride	ND	0.500	0.110	ND	1.74	0.382	U
76-13-1	Freon-113	ND	0.050	0.008	ND	0.383	0.064	U
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035	U
1634-04-4	Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094	U
78-93-3	2-Butanone	ND	0.500	0.132	ND	1.47	0.389	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040	U
67-66-3	Chloroform	ND	0.020	0.007	ND	0.098	0.035	U
107-06-2	1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034	U
110-54-3	n-Hexane	ND	0.200	0.047	ND	0.705	0.166	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032	U
71-43-2	Benzene	ND	0.100	0.030	ND	0.319	0.095	U
56-23-5	Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069	U
110-82-7	Cyclohexane	ND	0.200	0.031	ND	0.688	0.108	U
78-87-5	1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038	U
75-27-4	Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	Lab Number	: L2603846
Project Name	: POPULAR HAND LAUNDRY	Project Number	: CO 153512/ S V00170
Lab ID	: WG2171514-4	Date Collected	: NA
Client ID	: WG2171514-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/02/26 23:05
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R238355	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
123-91-1	1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124	U
79-01-6	Trichloroethene	ND	0.020	0.006	ND	0.107	0.032	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	0.037	ND	0.934	0.173	U
142-82-5	Heptane	ND	0.200	0.031	ND	0.820	0.128	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053	U
108-88-3	Toluene	ND	0.100	0.017	ND	0.377	0.063	U
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070	U
127-18-4	Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050	U
108-90-7	Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119	U
100-41-4	Ethylbenzene	ND	0.020	0.009	ND	0.087	0.037	U
179601-23-1	p/m-Xylene	ND	0.040	0.018	ND	0.174	0.078	U
75-25-2	Bromoform	ND	0.020	0.011	ND	0.207	0.115	U
100-42-5	Styrene	ND	0.020	0.008	ND	0.085	0.034	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046	U
95-47-6	o-Xylene	ND	0.020	0.009	ND	0.087	0.038	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.020	0.010	ND	0.098	0.047	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.020	0.008	ND	0.098	0.037	U
100-44-7	Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172	U
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	Lab Number	: L2603846
Project Name	: POPULAR HAND LAUNDRY	Project Number	: CO 153512/ S V00170
Lab ID	: WG2171514-4	Date Collected	: NA
Client ID	: WG2171514-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/02/26 23:05
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R238355	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	ND	0.050	0.021	ND	0.262	0.110	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	Lab Number	: L2603846
Project Name	: POPULAR HAND LAUNDRY	Project Number	: CO 153512/ S V00170
Lab ID	: WG2171899-4	Date Collected	: NA
Client ID	: WG2171899-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/03/26 18:01
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R442285_EV2	Instrument ID	: AIRPIANO4
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	0.050	ND	0.989	0.247	U
74-87-3	Chloromethane	ND	0.200	0.076	ND	0.413	0.156	U
76-14-2	Freon-114	ND	0.050	0.006	ND	0.349	0.045	U
75-01-4	Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023	U
74-83-9	Bromomethane	ND	0.020	0.009	ND	0.078	0.037	U
75-00-3	Chloroethane	ND	0.100	0.040	ND	0.264	0.104	U
64-17-5	Ethanol	ND	5.00	1.35	ND	9.42	2.54	U
75-69-4	Trichlorofluoromethane	ND	0.050	0.009	ND	0.281	0.052	U
75-35-4	1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031	U
75-65-0	Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406	U
75-09-2	Methylene chloride	ND	0.500	0.110	ND	1.74	0.382	U
76-13-1	Freon-113	ND	0.050	0.008	ND	0.383	0.064	U
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035	U
1634-04-4	Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094	U
78-93-3	2-Butanone	ND	0.500	0.132	ND	1.47	0.389	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040	U
67-66-3	Chloroform	ND	0.020	0.007	ND	0.098	0.035	U
107-06-2	1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034	U
110-54-3	n-Hexane	ND	0.200	0.047	ND	0.705	0.166	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032	U
71-43-2	Benzene	ND	0.100	0.030	ND	0.319	0.095	U
56-23-5	Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069	U
110-82-7	Cyclohexane	ND	0.200	0.031	ND	0.688	0.108	U
78-87-5	1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038	U
75-27-4	Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	Lab Number	: L2603846
Project Name	: POPULAR HAND LAUNDRY	Project Number	: CO 153512/ S V00170
Lab ID	: WG2171899-4	Date Collected	: NA
Client ID	: WG2171899-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/03/26 18:01
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R442285_EV2	Instrument ID	: AIRPIANO4
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
123-91-1	1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124	U
79-01-6	Trichloroethene	ND	0.020	0.006	ND	0.107	0.032	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	0.037	ND	0.934	0.173	U
142-82-5	Heptane	ND	0.200	0.031	ND	0.820	0.128	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053	U
108-88-3	Toluene	ND	0.100	0.017	ND	0.377	0.063	U
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070	U
127-18-4	Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050	U
108-90-7	Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119	U
100-41-4	Ethylbenzene	ND	0.020	0.009	ND	0.087	0.037	U
179601-23-1	p/m-Xylene	ND	0.040	0.018	ND	0.174	0.078	U
75-25-2	Bromoform	ND	0.020	0.011	ND	0.207	0.115	U
100-42-5	Styrene	ND	0.020	0.008	ND	0.085	0.034	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046	U
95-47-6	o-Xylene	ND	0.020	0.009	ND	0.087	0.038	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.020	0.010	ND	0.098	0.047	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.020	0.008	ND	0.098	0.037	U
100-44-7	Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172	U
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	Lab Number	: L2603846
Project Name	: POPULAR HAND LAUNDRY	Project Number	: CO 153512/ S V00170
Lab ID	: WG2171899-4	Date Collected	: NA
Client ID	: WG2171899-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/03/26 18:01
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R442285_EV2	Instrument ID	: AIRPIANO4
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	ND	0.050	0.021	ND	0.262	0.110	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	Lab Number	: L2603846
Project Name	: POPULAR HAND LAUNDRY	Project Number	: CO 153512/ S V00170
Lab ID	: WG2171920-4	Date Collected	: NA
Client ID	: WG2171920-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/03/26 16:01
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R1653979_EV2	Instrument ID	: AIRLAB16
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	0.050	ND	0.989	0.247	U
74-87-3	Chloromethane	ND	0.200	0.076	ND	0.413	0.156	U
76-14-2	Freon-114	ND	0.050	0.006	ND	0.349	0.045	U
75-01-4	Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023	U
74-83-9	Bromomethane	ND	0.020	0.009	ND	0.078	0.037	U
75-00-3	Chloroethane	ND	0.100	0.040	ND	0.264	0.104	U
64-17-5	Ethanol	ND	5.00	1.35	ND	9.42	2.54	U
75-69-4	Trichlorofluoromethane	ND	0.050	0.009	ND	0.281	0.052	U
75-35-4	1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031	U
75-65-0	Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406	U
75-09-2	Methylene chloride	ND	0.500	0.110	ND	1.74	0.382	U
76-13-1	Freon-113	ND	0.050	0.008	ND	0.383	0.064	U
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035	U
1634-04-4	Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094	U
78-93-3	2-Butanone	ND	0.500	0.132	ND	1.47	0.389	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040	U
67-66-3	Chloroform	ND	0.020	0.007	ND	0.098	0.035	U
107-06-2	1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034	U
110-54-3	n-Hexane	ND	0.200	0.047	ND	0.705	0.166	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032	U
71-43-2	Benzene	ND	0.100	0.030	ND	0.319	0.095	U
56-23-5	Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069	U
110-82-7	Cyclohexane	ND	0.200	0.031	ND	0.688	0.108	U
78-87-5	1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038	U
75-27-4	Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	Lab Number	: L2603846
Project Name	: POPULAR HAND LAUNDRY	Project Number	: CO 153512/ S V00170
Lab ID	: WG2171920-4	Date Collected	: NA
Client ID	: WG2171920-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/03/26 16:01
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R1653979_EV2	Instrument ID	: AIRLAB16
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
123-91-1	1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124	U
79-01-6	Trichloroethene	ND	0.020	0.006	ND	0.107	0.032	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	0.037	ND	0.934	0.173	U
142-82-5	Heptane	ND	0.200	0.031	ND	0.820	0.128	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053	U
108-88-3	Toluene	ND	0.100	0.017	ND	0.377	0.063	U
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070	U
127-18-4	Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050	U
108-90-7	Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119	U
100-41-4	Ethylbenzene	ND	0.020	0.009	ND	0.087	0.037	U
179601-23-1	p/m-Xylene	ND	0.040	0.018	ND	0.174	0.078	U
75-25-2	Bromoform	ND	0.020	0.011	ND	0.207	0.115	U
100-42-5	Styrene	ND	0.020	0.008	ND	0.085	0.034	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046	U
95-47-6	o-Xylene	ND	0.020	0.009	ND	0.087	0.038	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.020	0.010	ND	0.098	0.047	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.020	0.008	ND	0.098	0.037	U
100-44-7	Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172	U
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_AECOM Environment	Lab Number	: L2603846
Project Name	: POPULAR HAND LAUNDRY	Project Number	: CO 153512/ S V00170
Lab ID	: WG2171920-4	Date Collected	: NA
Client ID	: WG2171920-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/03/26 16:01
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R1653979_EV2	Instrument ID	: AIRLAB16
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	ND	0.050	0.021	ND	0.262	0.110	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238361.D
Acq On : 03 Feb 2026 03:11 am
Operator : AIRLAB23:TPH
Sample : L2603846-02,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 03 07:42:30 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2026\02\0202SIM\R238353.D
Sub List : 1,,,NYDEC-SIM - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.870	49	227988	10.000	ppbV	0.00
Standard Area = 256103			Recovery = 89.02%			
33) 1,4-difluorobenzene	11.055	114	757783	10.000	ppbV	0.00
Standard Area = 957969			Recovery = 79.10%			
51) chlorobenzene-D5	15.734	54	103208	10.000	ppbV	0.00
Standard Area = 117966			Recovery = 87.49%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	3.870	85	24288	0.382	ppbV	100
4) chloromethane	4.040	50	9289	0.533	ppbV	98
5) Freon-114	4.140	85	1083	0.014	ppbV	93
6) vinyl chloride	0.000		0	N.D.		
8) bromomethane	4.678		0	N.D.		
9) chloroethane	0.000		0	N.D.	d	
10) ethanol	4.994	31	368481	42.532	ppbV	90
14) trichlorofluoromethane	5.673	101	11541	0.172	ppbV	100
17) 1,1-dichloroethene	0.000		0	N.D.	d	
18) tertiary butyl alcohol	0.000		0	N.D.	d	
19) methylene chloride	6.501	49	9304	0.439	ppbV	98
22) Freon 113	6.804	101	3350	0.062	ppbV	97
23) trans-1,2-dichloroethene	7.538	61	379	0.014	ppbV	93
24) 1,1-dichloroethane	7.782		0	N.D.		
25) MTBE	0.000		0	N.D.	d	
27) 2-butanone	8.204	43	26536	0.940	ppbV	97
28) cis-1,2-dichloroethene	8.691		0	N.D.		
30) chloroform	9.017	83	1901	0.036	ppbV #	96
32) 1,2-dichloroethane	9.840	62	668	0.021	ppbV #	66
34) hexane	8.935	57	15920	0.860	ppbV #	14
36) 1,1,1-trichloroethane	0.000		0	N.D.		
37) benzene	10.640	78	15532	0.287	ppbV	98
38) carbon tetrachloride	10.810	117	4195	0.082	ppbV	100
39) cyclohexane	10.942	56	1459	0.078	ppbV #	79
41) 1,2-dichloropropane	11.564		0	N.D.		
42) bromodichloromethane	11.790		0	N.D.		
43) 1,4-dioxane	0.000		0	N.D.		
44) trichloroethene	11.847	130	5260	0.161	ppbV	99

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238361.D
Acq On : 03 Feb 2026 03:11 am
Operator : AIRLAB23:TPH
Sample : L2603846-02,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 03 07:42:30 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2026\02\0202SIM\R238353.D
Sub List : 1,,,NYDEC-SIM - .

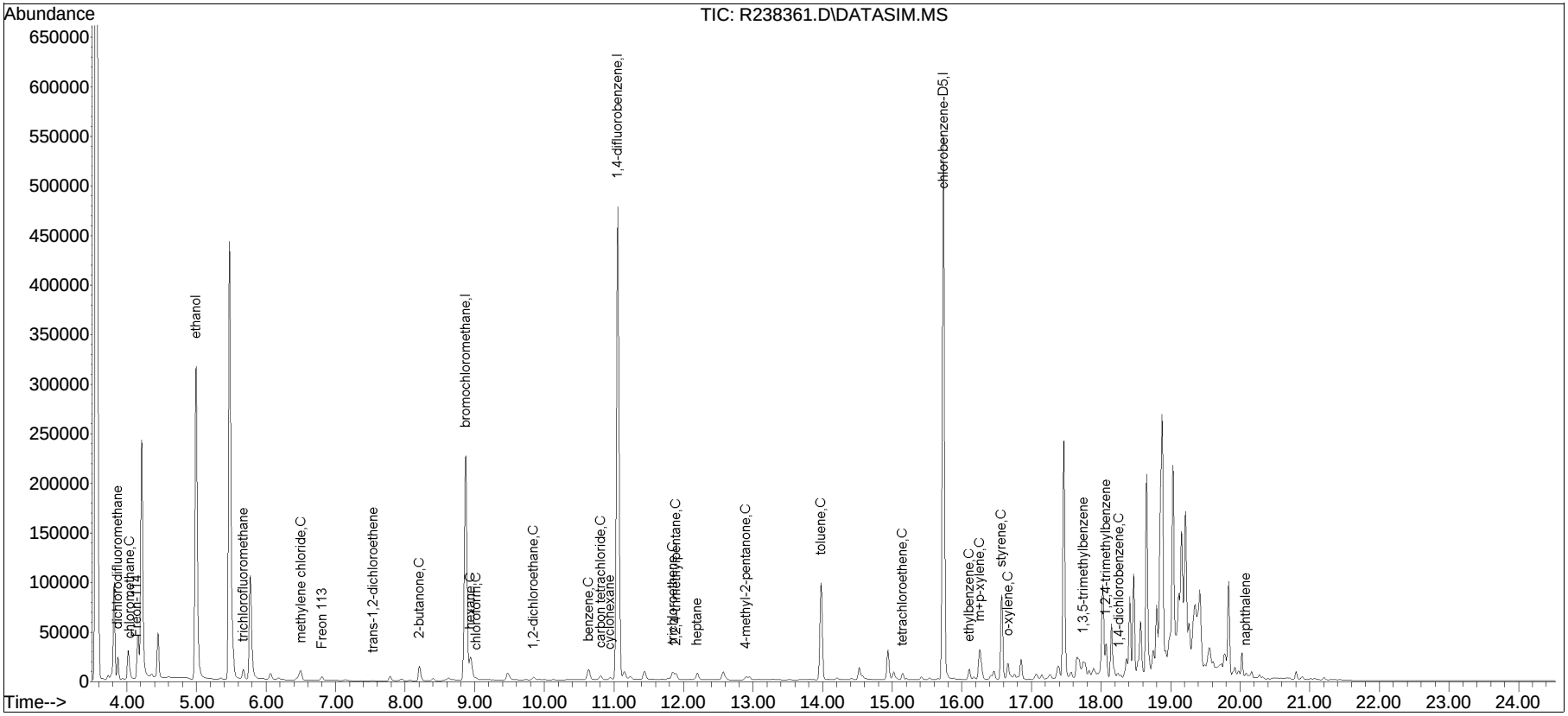
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
45) 2,2,4-trimethylpentane	11.894	57	7043	0.122 ppbV #	91
46) heptane	12.195	43	4797	0.275 ppbV #	94
47) cis-1,3-dichloropropene	0.000		0	N.D.	
48) 4-methyl-2-pentanone	12.895	43	3584	0.133 ppbV	97
49) trans-1,3-dichloropropene	0.000		0	N.D.	
50) 1,1,2-trichloroethane	0.000		0	N.D.	
52) toluene	13.979	91	126818	1.734 ppbV	97
55) dibromochloromethane	0.000		0	N.D.	
56) 1,2-dibromoethane	0.000		0	N.D.	
57) tetrachloroethene	15.147	166	4753	0.100 ppbV	99
59) chlorobenzene	0.000		0	N.D. d	
60) ethylbenzene	16.108	91	12751	0.135 ppbV	100
61) m+p-xylene	16.256	91	34763	0.488 ppbV	99
62) bromoform	16.326		0	N.D.	
63) styrene	16.569	104	78193	1.426 ppbV	99
64) 1,1,2,2-tetrachloroethane	0.000		0	N.D. d	
65) o-xylene	16.665	91	15375	0.212 ppbV	98
71) 1,3,5-trimethylbenzene	17.744	105	9014	0.114 ppbV #	97
73) 1,2,4-trimethylbenzene	18.070	105	32539	0.387 ppbV #	56
74) Benzyl Chloride	0.000		0	N.D. d	
75) 1,3-dichlorobenzene	0.000		0	N.D. d	
76) 1,4-dichlorobenzene	18.262	146	853	0.013 ppbV #	48
79) 1,2-dichlorobenzene	0.000		0	N.D.	
82) 1,2,4-trichlorobenzene	0.000		0	N.D.	
83) naphthalene	20.080	128	2800	0.026 ppbV #	89
85) hexachlorobutadiene	0.000		0	N.D.	

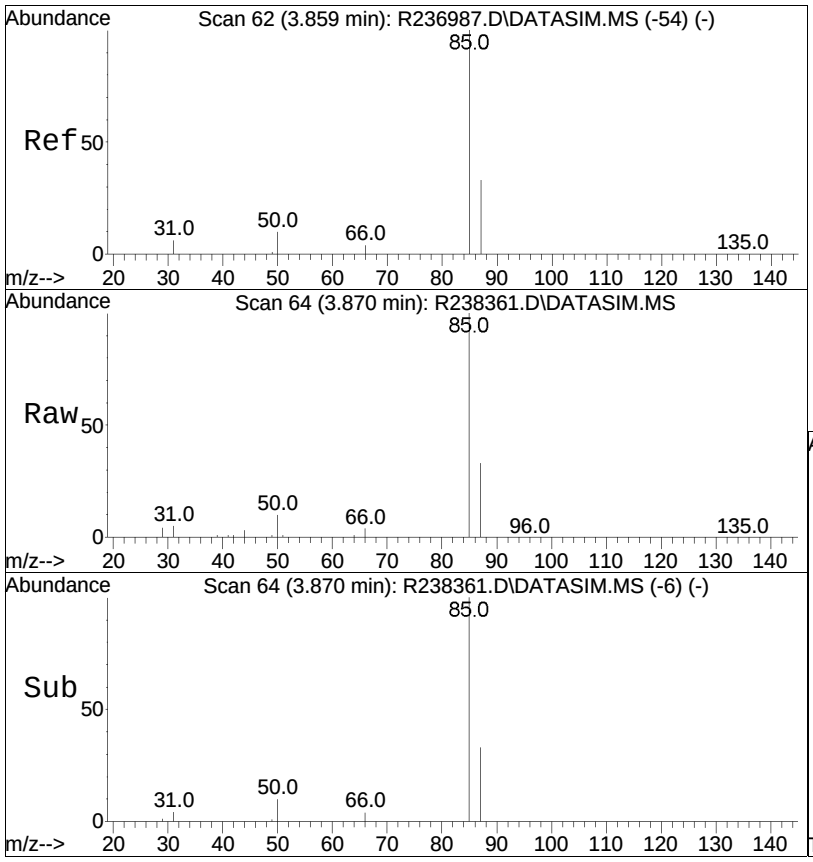
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : R238361.D
Acq On : 03 Feb 2026 03:11 am
Operator : AIRLAB23:TPH
Sample : L2603846-02,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 03 07:42:30 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

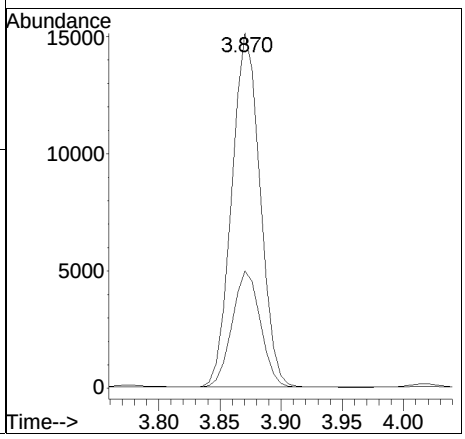


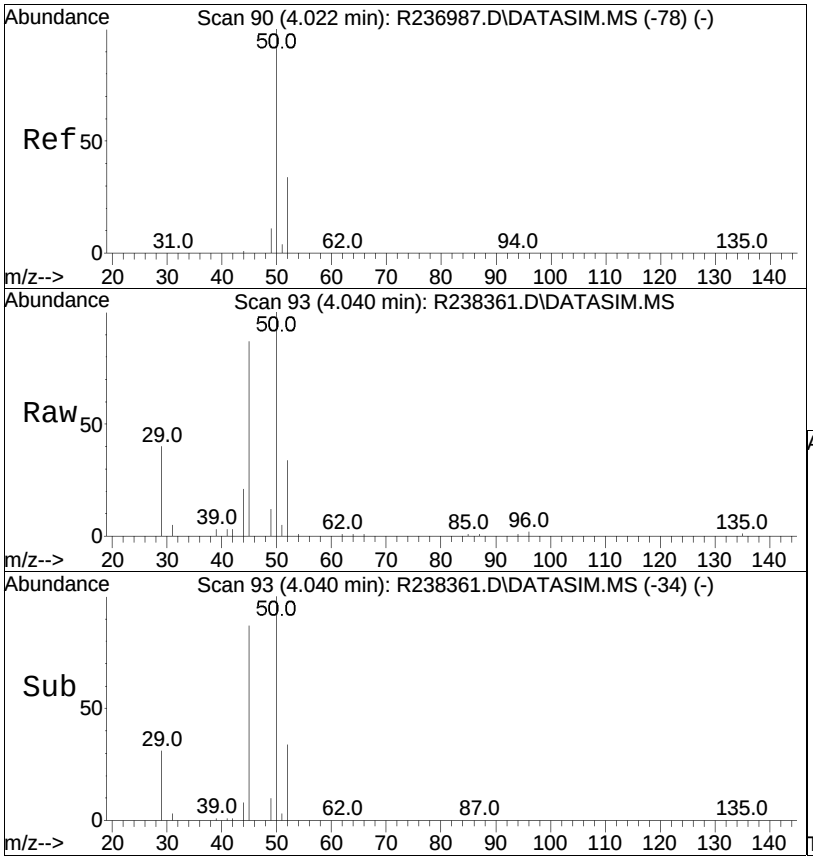


#3
dichlorodifluoromethane
Concen: 0.38 ppbV
RT: 3.870 min Scan# 64
Delta R.T. 0.012 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion: 85 Resp: 24288

Ion	Ratio	Lower	Upper
85	100		
87	33.1	26.3	39.5

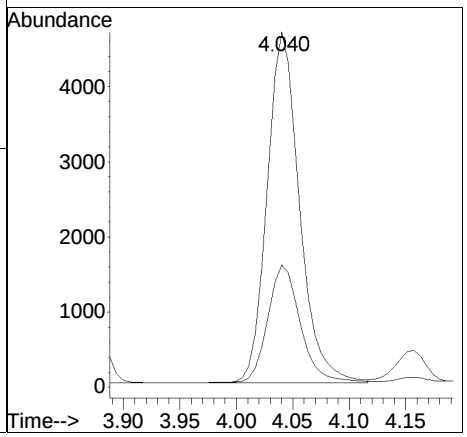


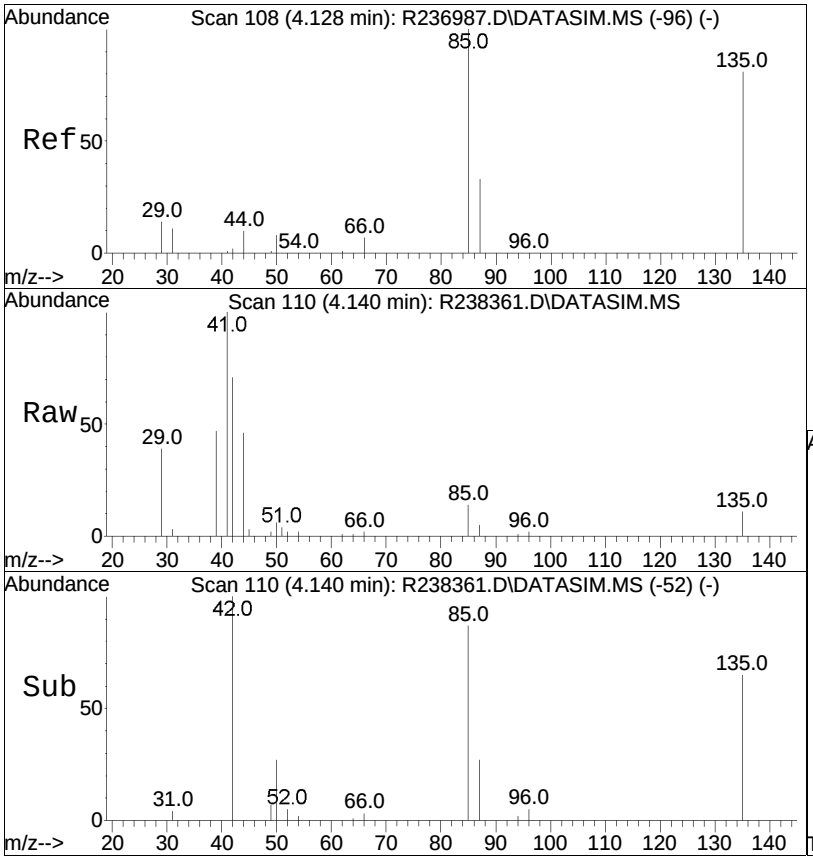


#4
chloromethane
Concen: 0.53 ppbV
RT: 4.040 min Scan# 93
Delta R.T. 0.018 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion: 50 Resp: 9289

Ion	Ratio	Lower	Upper
50	100		
52	34.5	26.9	40.3

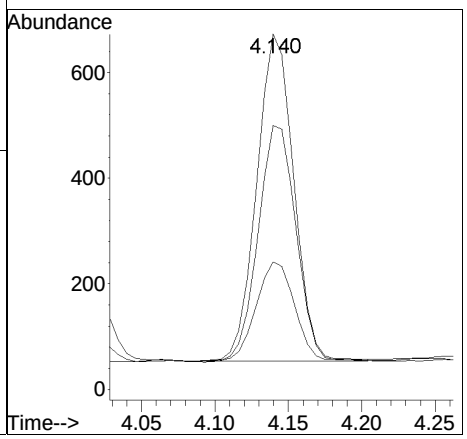


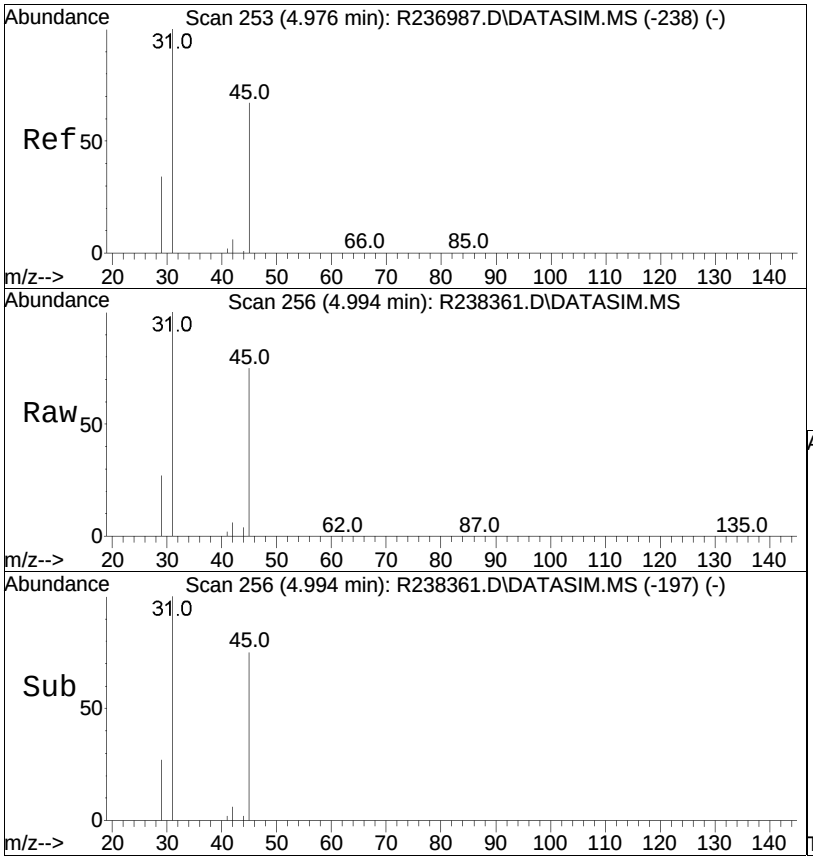


#5
Freon-114
Concen: 0.01 ppbV
RT: 4.140 min Scan# 110
Delta R.T. 0.012 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion: 85 Resp: 1083

Ion	Ratio	Lower	Upper
85	100		
87	36.0	26.4	39.6
135	74.3	64.6	97.0

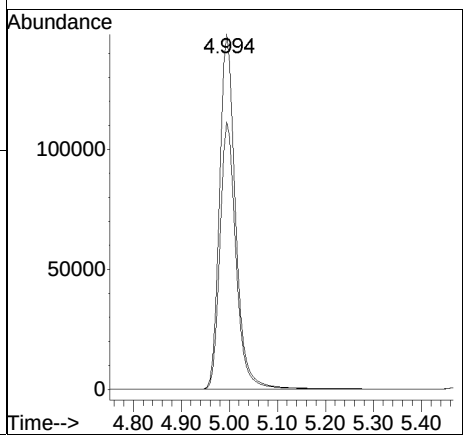


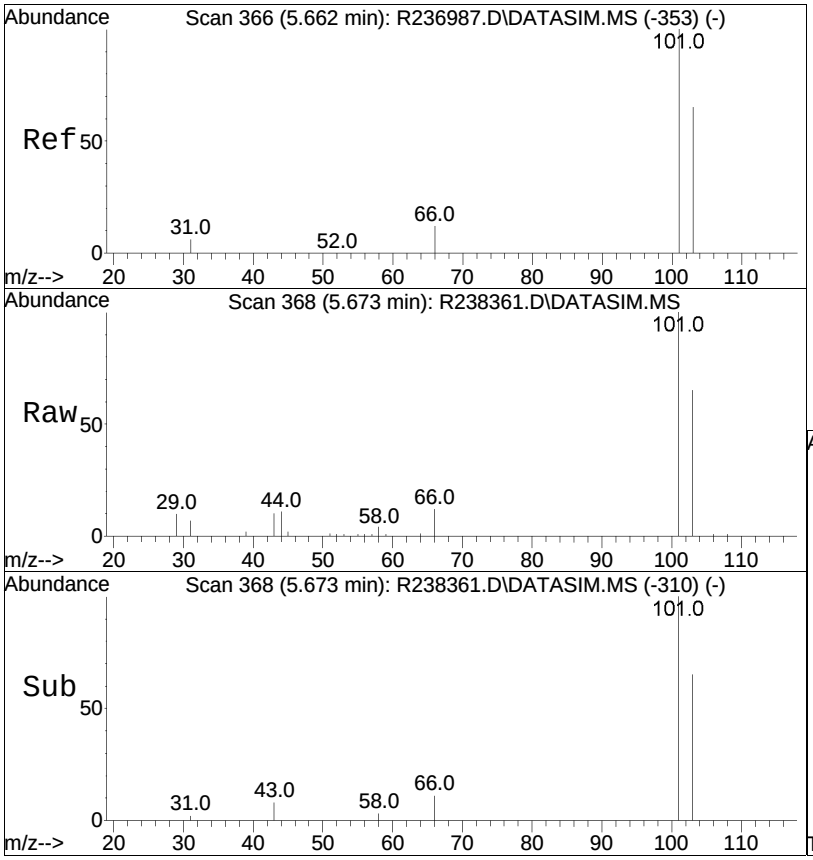


#10
ethanol
Concen: 42.53 ppbV
RT: 4.994 min Scan# 256
Delta R.T. 0.018 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion: 31 Resp: 368481

Ion	Ratio	Lower	Upper
31	100		
45	75.3	53.5	80.3

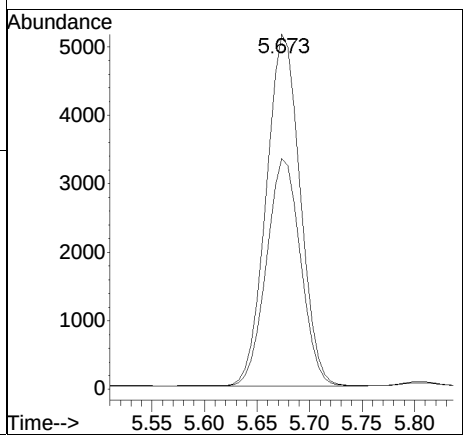


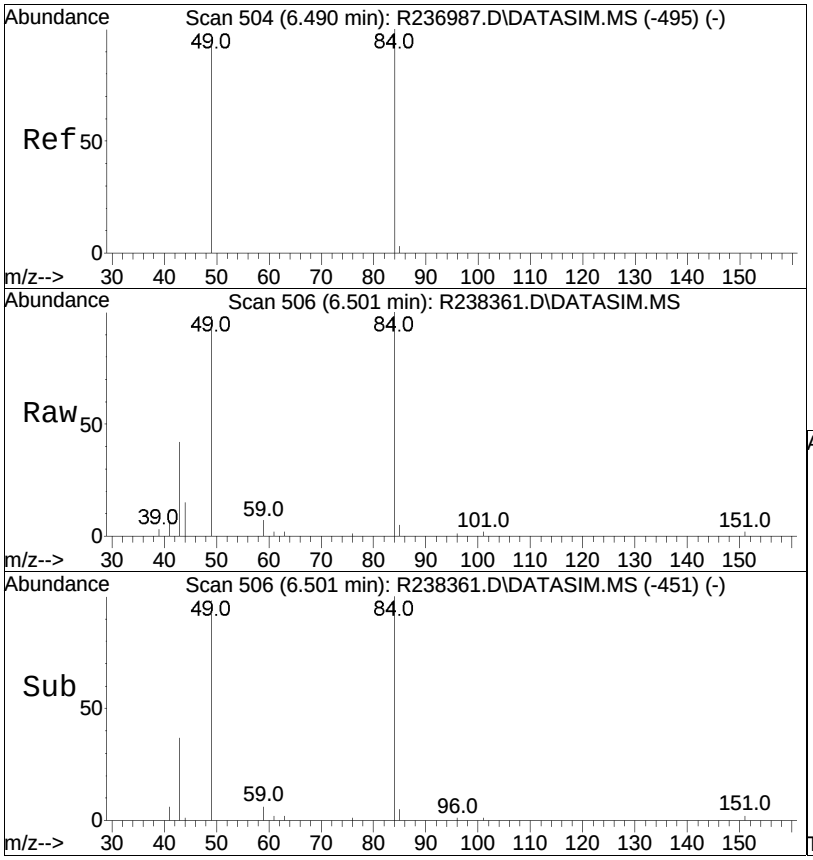


#14
trichlorofluoromethane
Concen: 0.17 ppbV
RT: 5.673 min Scan# 368
Delta R.T. 0.012 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion:101 Resp: 11541

Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.1	78.1

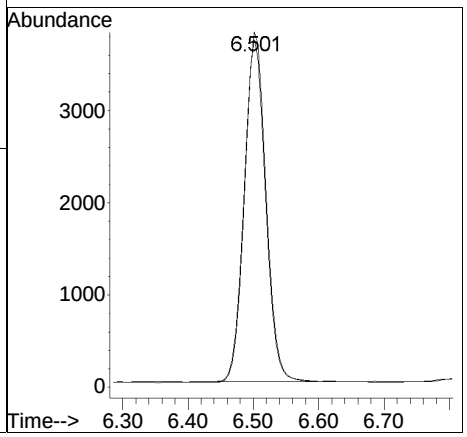


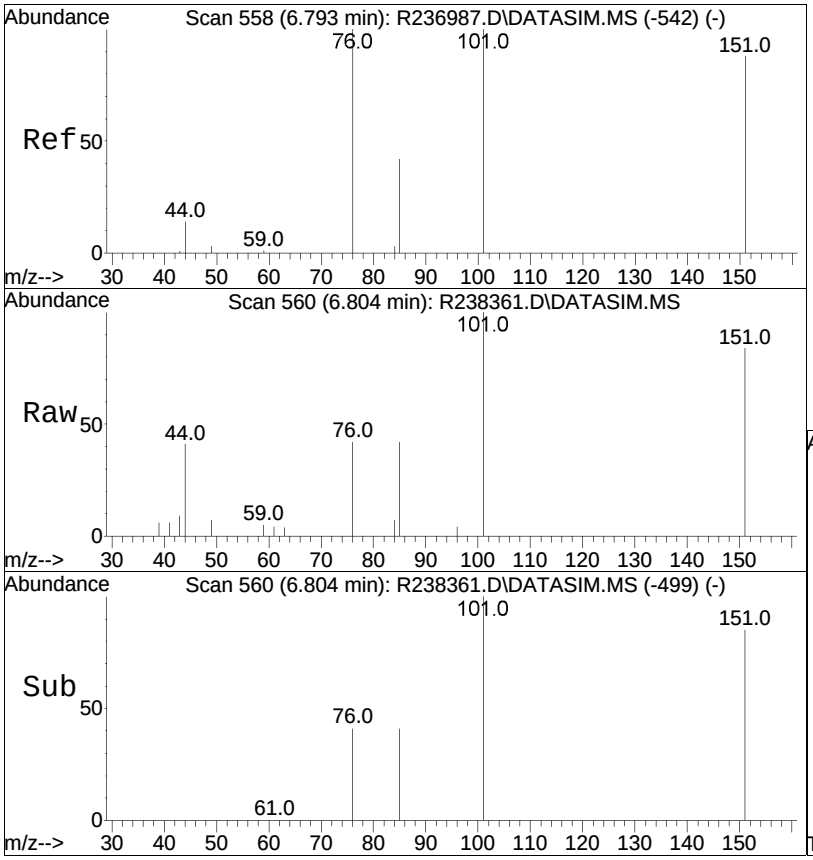


#19
methylene chloride
Concen: 0.44 ppbV
RT: 6.501 min Scan# 506
Delta R.T. 0.011 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion: 49 Resp: 9304

Ion	Ratio	Lower	Upper
49	100		
84	102.2	83.5	125.3

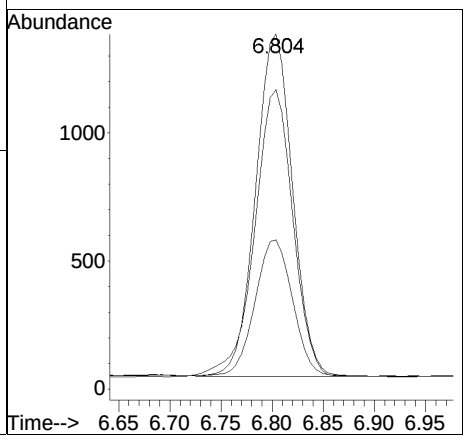


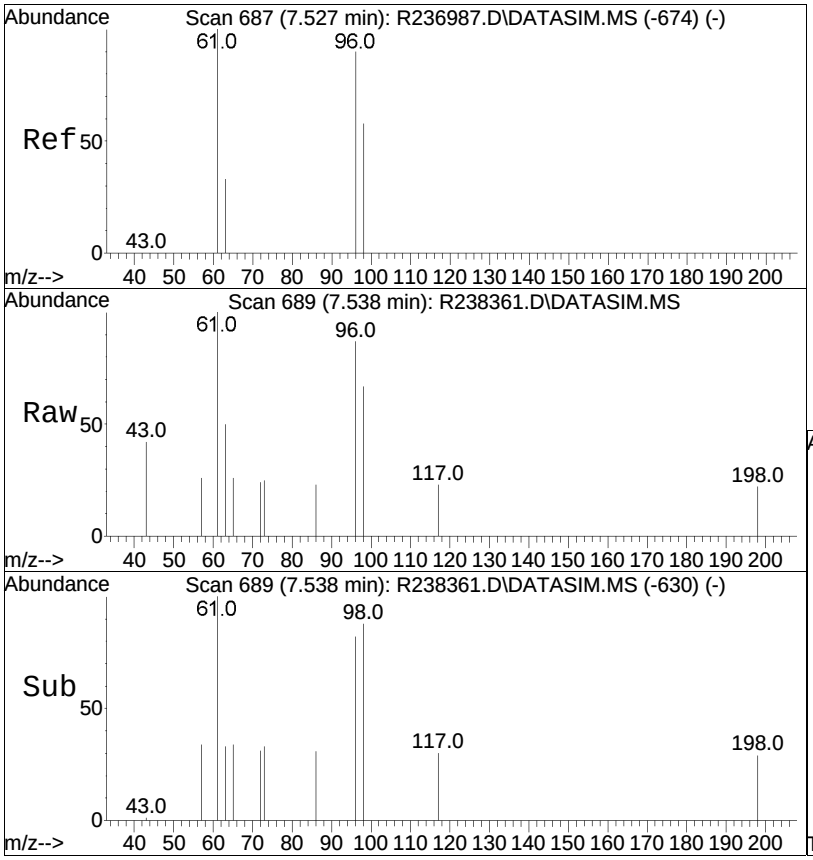


#22
Freon 113
Concen: 0.06 ppbV
RT: 6.804 min Scan# 560
Delta R.T. 0.011 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion:101 Resp: 3350

Ion	Ratio	Lower	Upper
101	100		
85	42.1	33.8	50.8
151	84.3	71.0	106.4

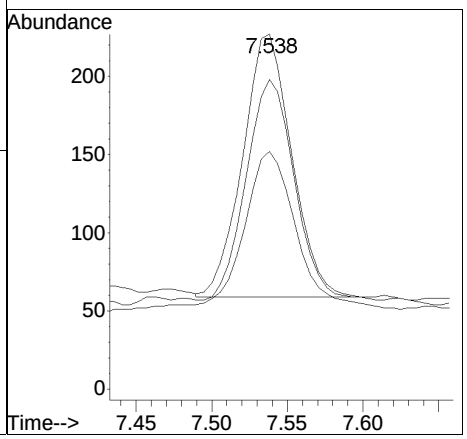


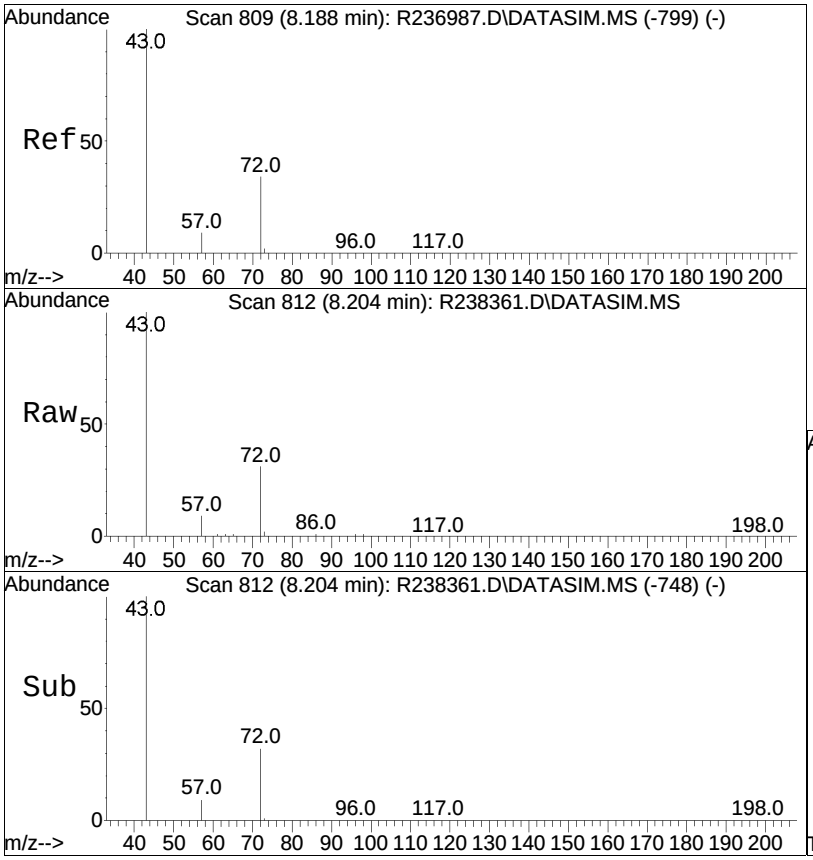


#23
trans-1,2-dichloroethene
Concen: 0.01 ppbV
RT: 7.538 min Scan# 689
Delta R.T. 0.011 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion: 61 Resp: 379

Ion	Ratio	Lower	Upper
61	100		
96	87.2	71.8	107.8
98	67.0	46.2	69.2

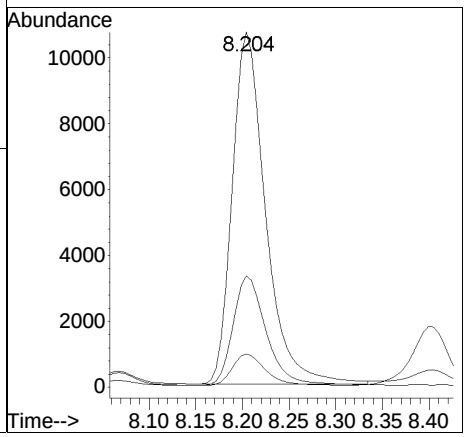


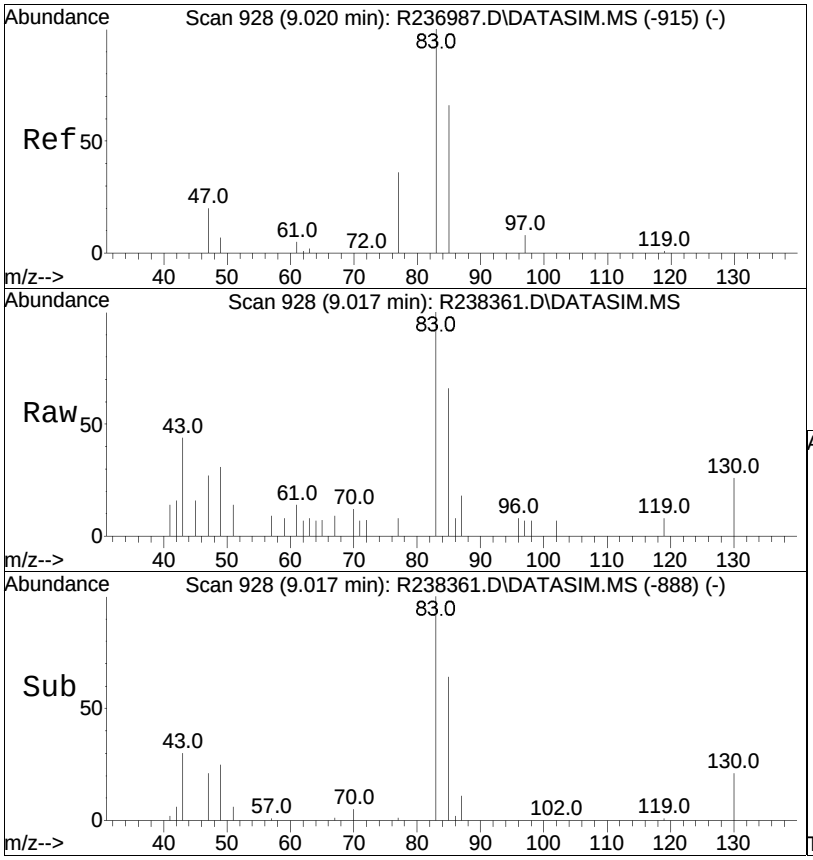


#27
2-butanone
Concen: 0.94 ppbV
RT: 8.204 min Scan# 812
Delta R.T. 0.016 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion: 43 Resp: 26536

Ion	Ratio	Lower	Upper
43	100		
72	31.4	27.0	40.4
57	9.4	7.7	11.5

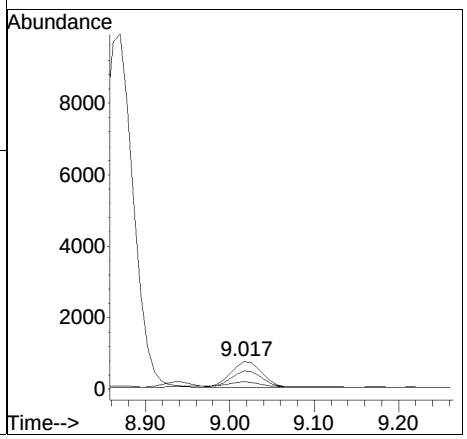


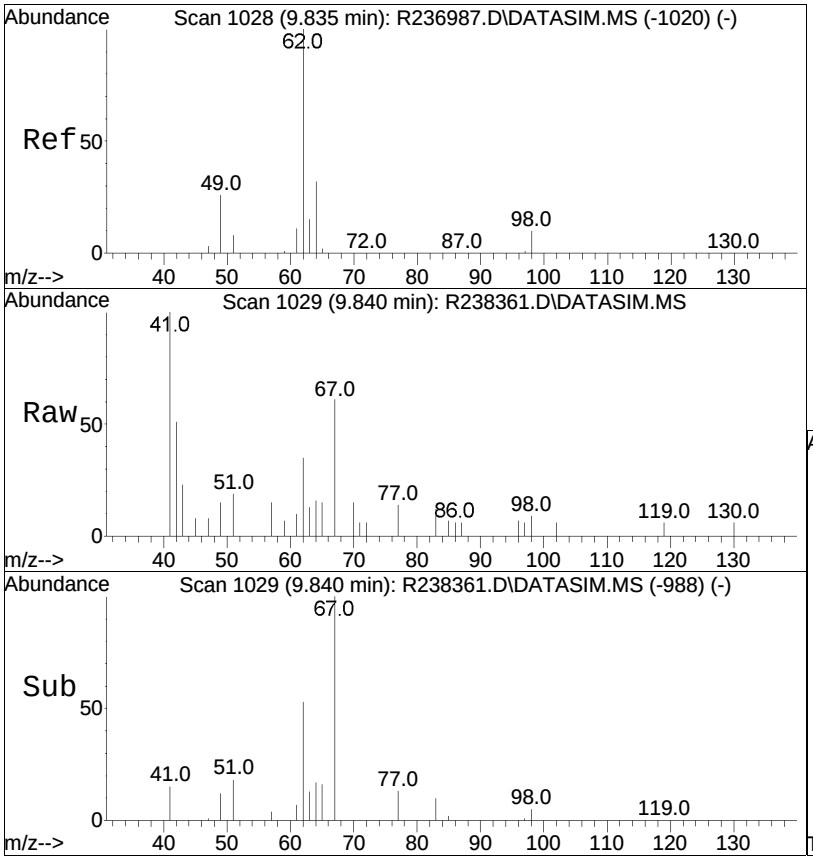


#30
chloroform
Concen: 0.04 ppbV
RT: 9.017 min Scan# 928
Delta R.T. -0.003 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion: 83 Resp: 1901

Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.8	79.2
47	27.5	16.7	25.1#

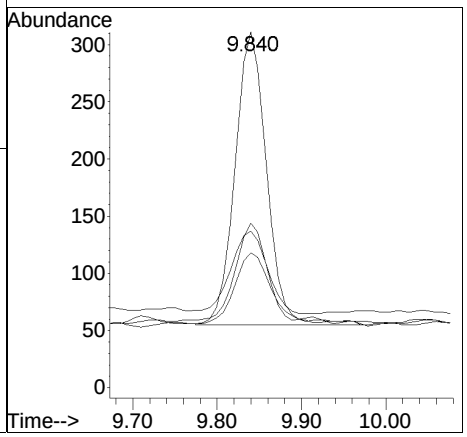


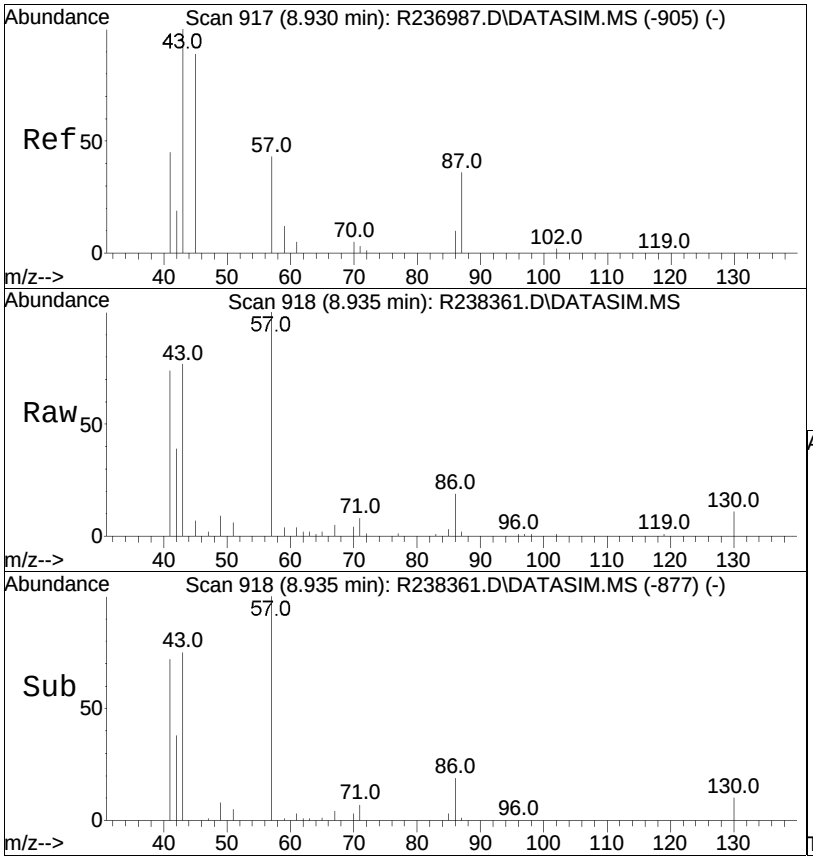


#32
1,2-dichloroethane
Concen: 0.02 ppbV
RT: 9.840 min Scan# 1029
Delta R.T. 0.005 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion: 62 Resp: 668

Ion	Ratio	Lower	Upper
62	100		
64	46.3	26.2	39.2#
49	44.1	20.6	31.0#
63	37.9	12.3	18.5#

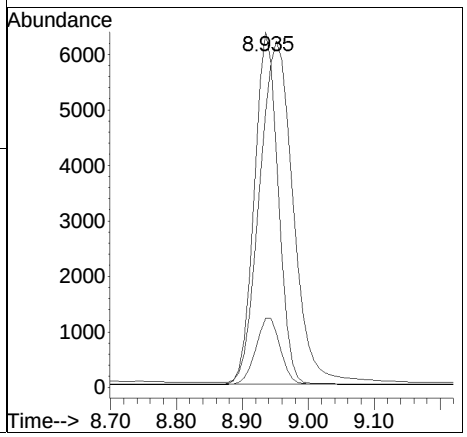


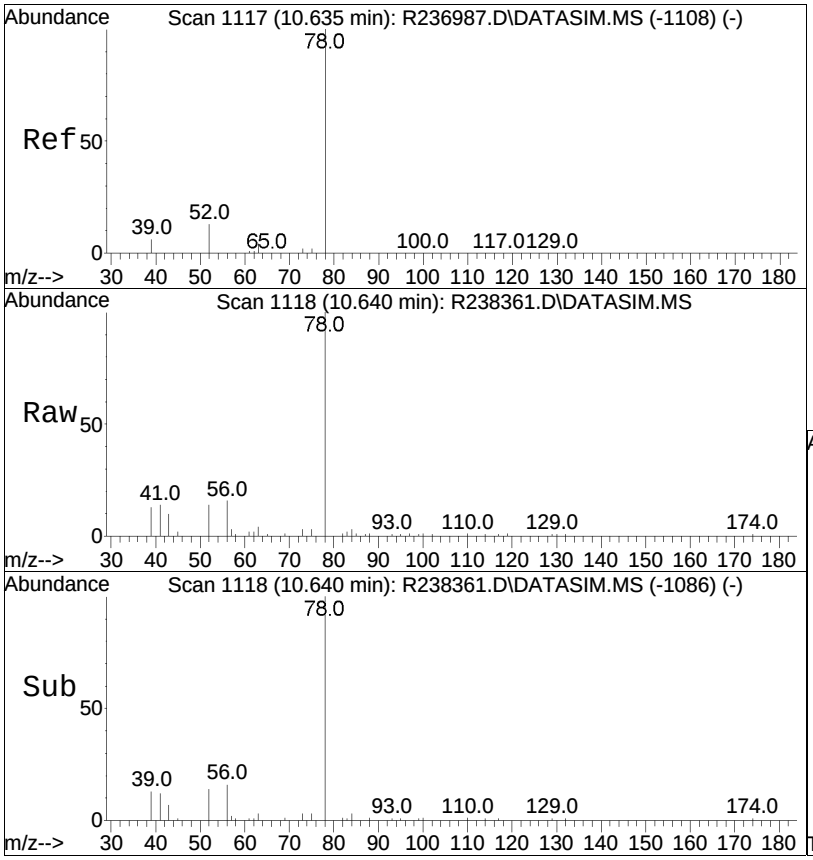


#34
hexane
Concen: 0.86 ppbV
RT: 8.935 min Scan# 918
Delta R.T. 0.005 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion: 57 Resp: 15920

Ion	Ratio	Lower	Upper
57	100		
43	77.5	186.2	279.4#
86	19.4	17.8	26.8

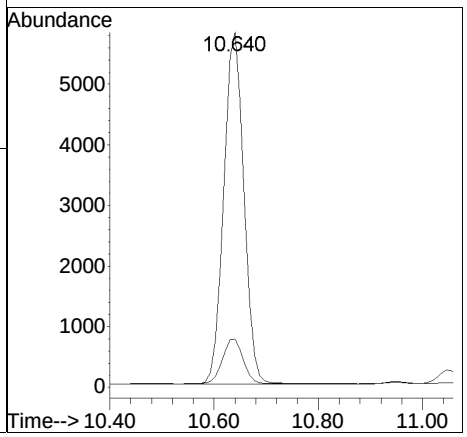


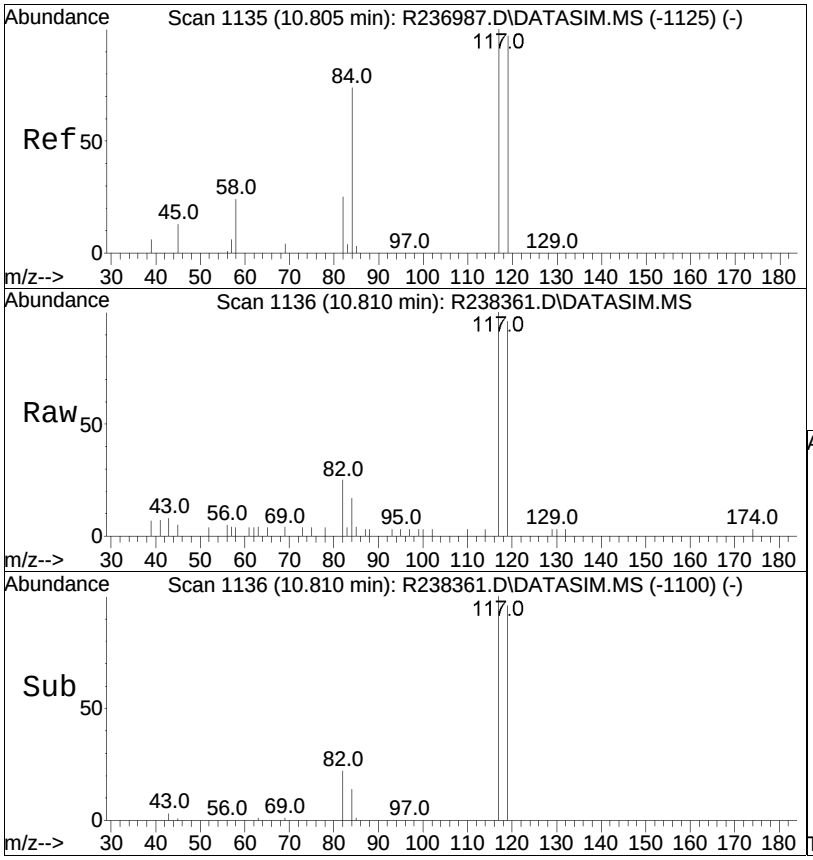


#37
benzene
Concen: 0.29 ppbV
RT: 10.640 min Scan# 1118
Delta R.T. 0.005 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion: 78 Resp: 15532

Ion	Ratio	Lower	Upper
78	100		
52	13.6	10.2	15.2

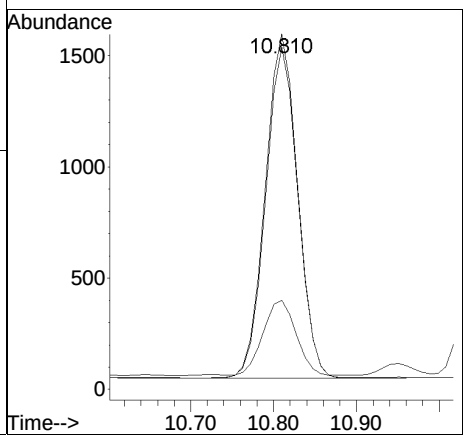


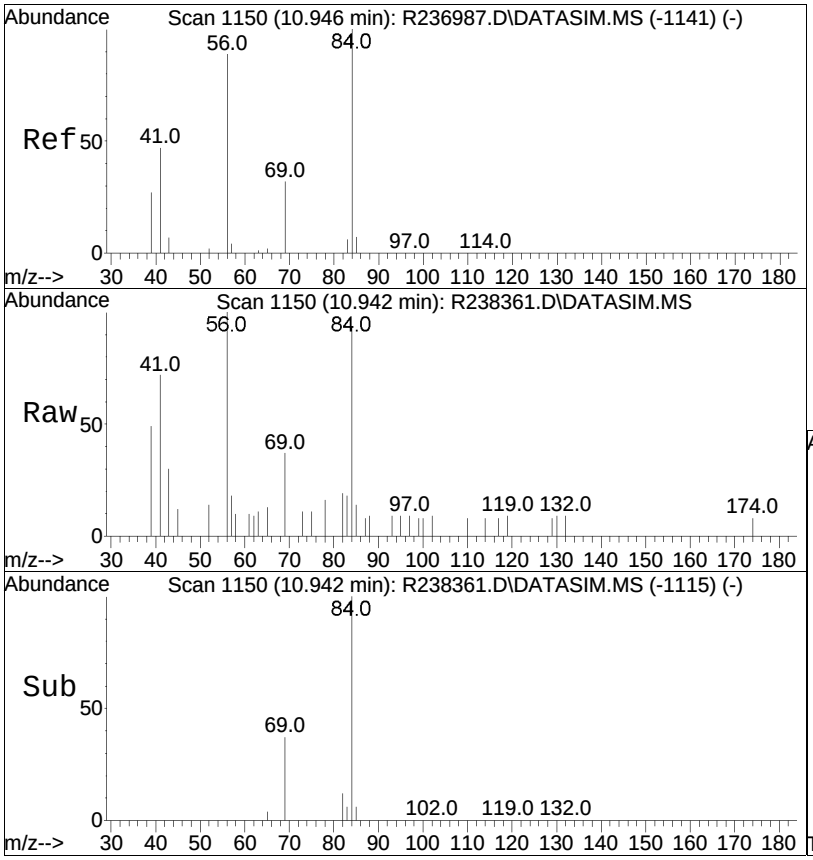


#38
carbon tetrachloride
Concen: 0.08 ppbV
RT: 10.810 min Scan# 1136
Delta R.T. 0.005 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion:117 Resp: 4195

Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.4	116.0
82	25.1	20.3	30.5

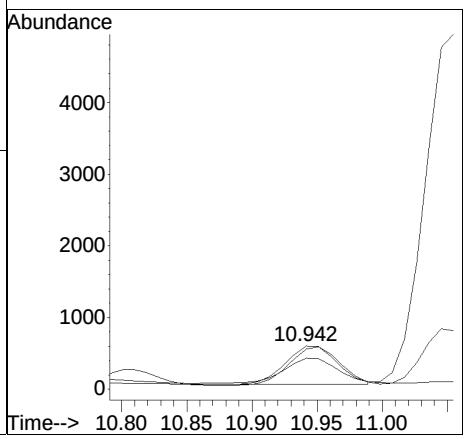


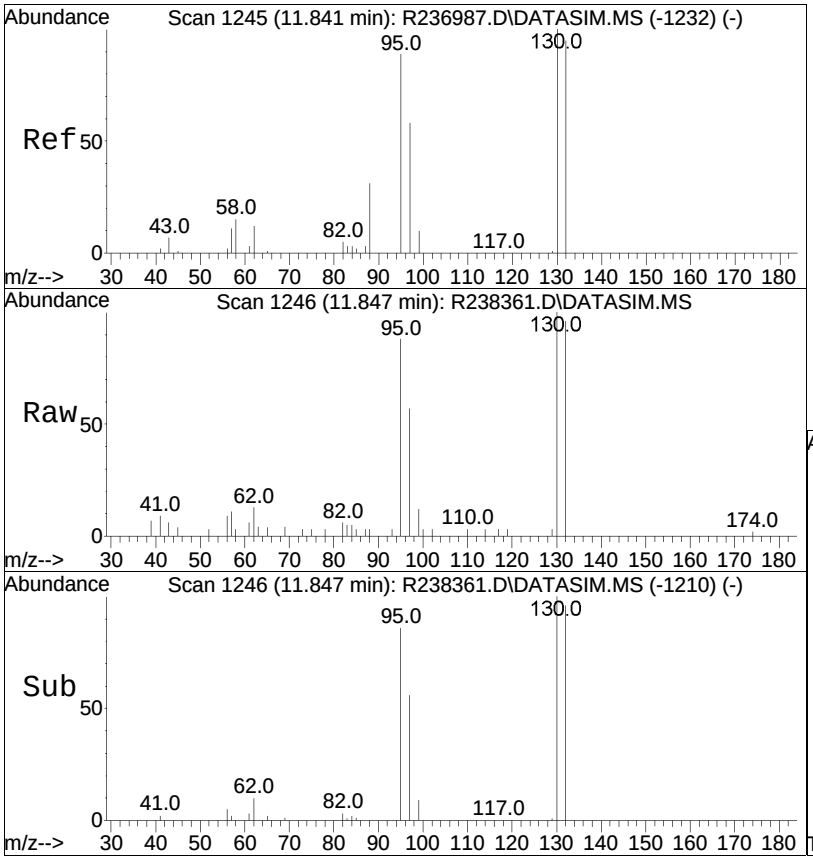


#39
cyclohexane
Concen: 0.08 ppbV
RT: 10.942 min Scan# 1150
Delta R.T. -0.004 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion: 56 Resp: 1459

Ion	Ratio	Lower	Upper
56	100		
84	93.0	91.0	136.4
41	71.9	42.9	64.3#

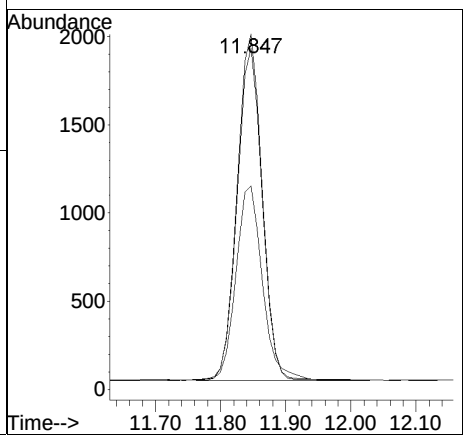


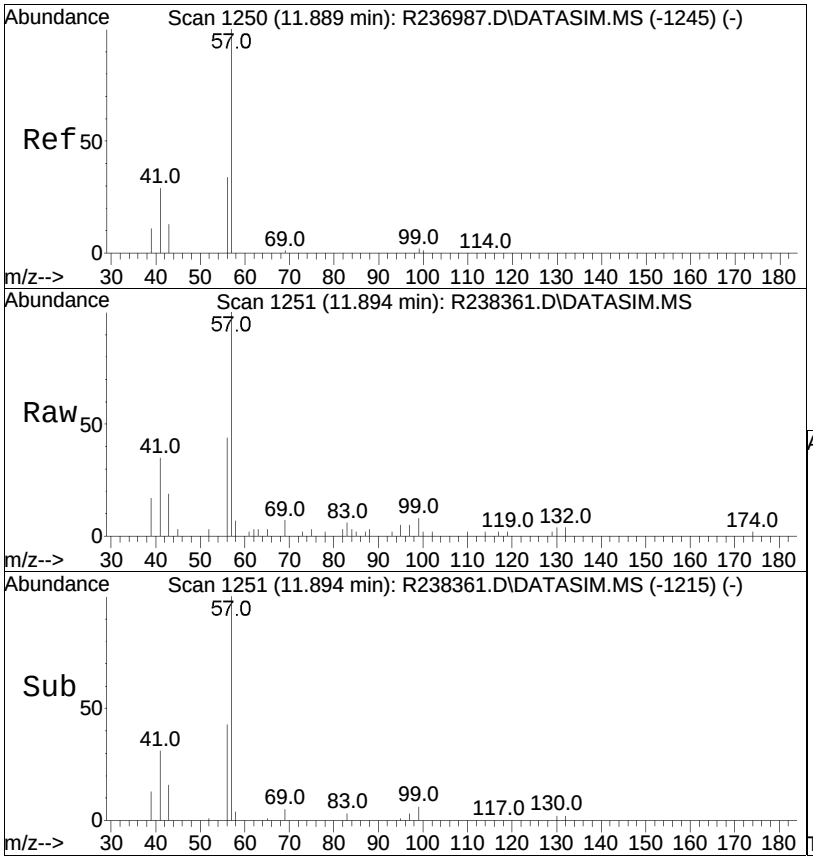


#44
trichloroethene
Concen: 0.16 ppbV
RT: 11.847 min Scan# 1246
Delta R.T. 0.005 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion:130 Resp: 5260

Ion	Ratio	Lower	Upper
130	100		
132	96.1	76.4	114.6
97	57.3	46.3	69.5

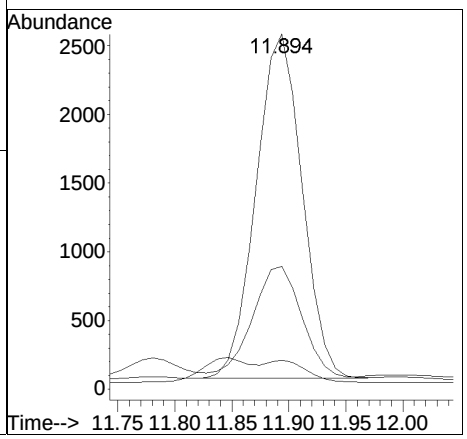


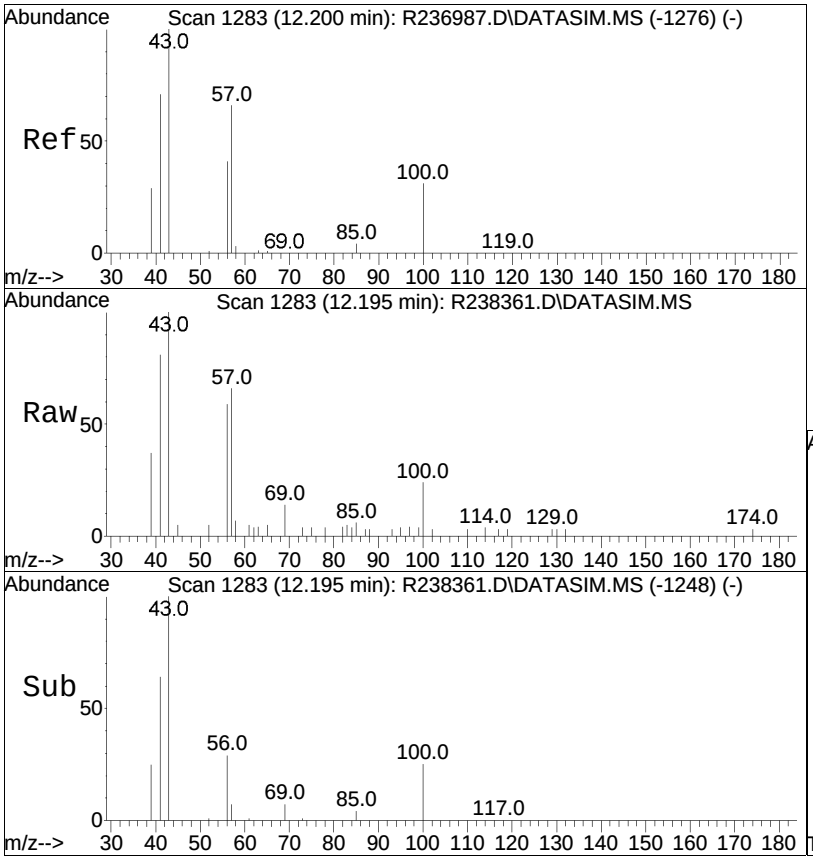


#45
2,2,4-trimethylpentane
Concen: 0.12 ppbV
RT: 11.894 min Scan# 1251
Delta R.T. 0.005 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion: 57 Resp: 7043

Ion	Ratio	Lower	Upper
57	100		
99	8.2	6.7	10.1
41	34.6	22.7	34.1#

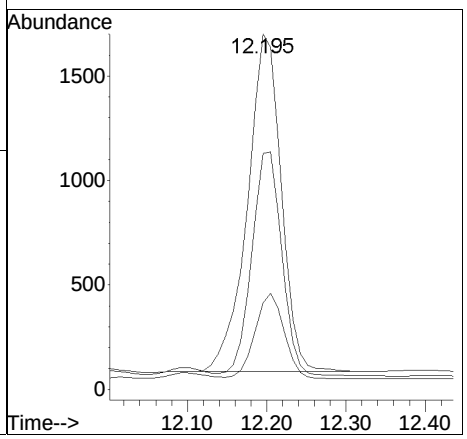


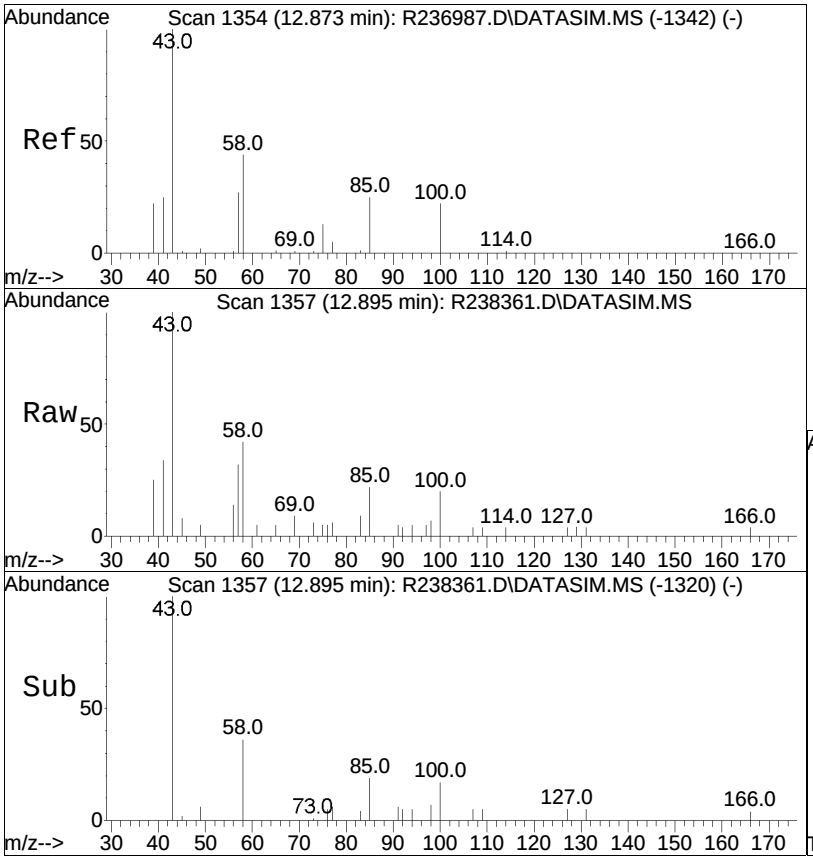


#46
heptane
Concen: 0.27 ppbV
RT: 12.195 min Scan# 1283
Delta R.T. -0.004 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion: 43 Resp: 4797

Ion	Ratio	Lower	Upper
43	100		
57	66.4	52.5	78.7
100	24.3	26.0	39.0#

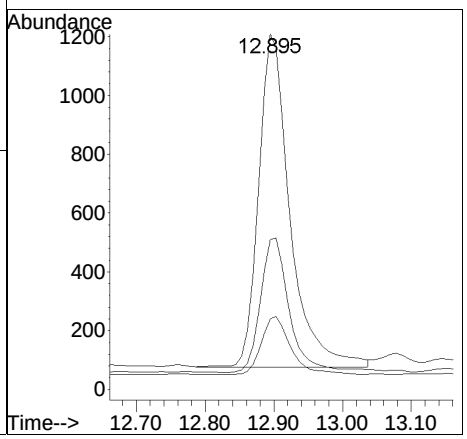


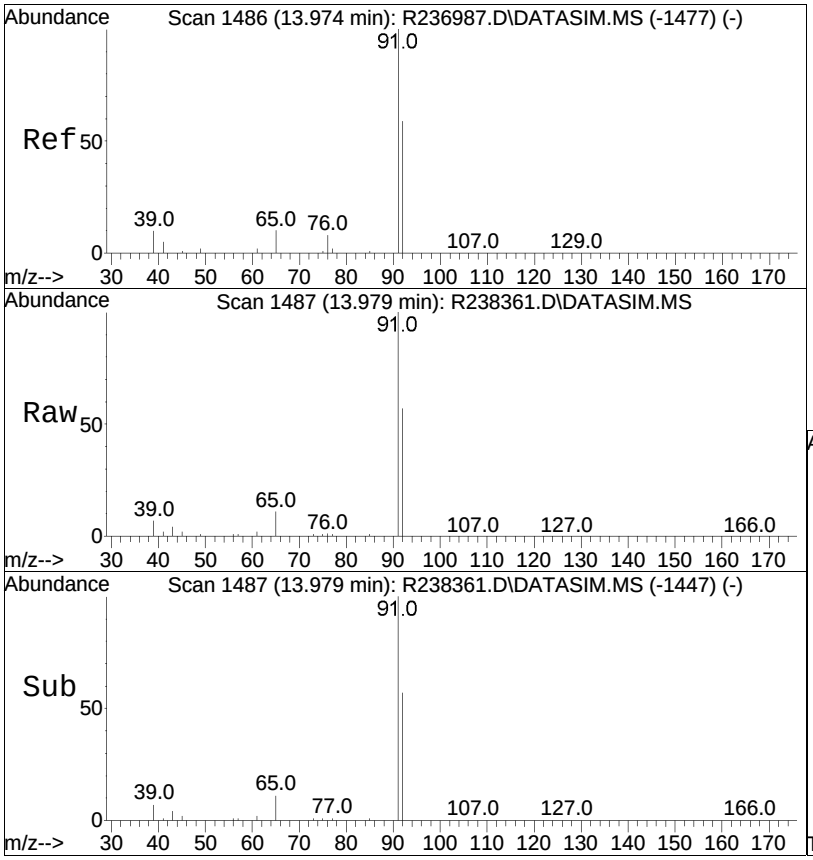


#48
4-methyl-2-pentanone
Concen: 0.13 ppbV
RT: 12.895 min Scan# 1357
Delta R.T. 0.022 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion: 43 Resp: 3584

Ion	Ratio	Lower	Upper
43	100		
58	42.2	35.0	52.6
100	19.9	17.9	26.9

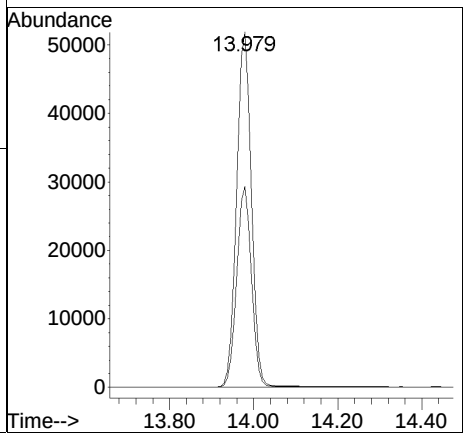


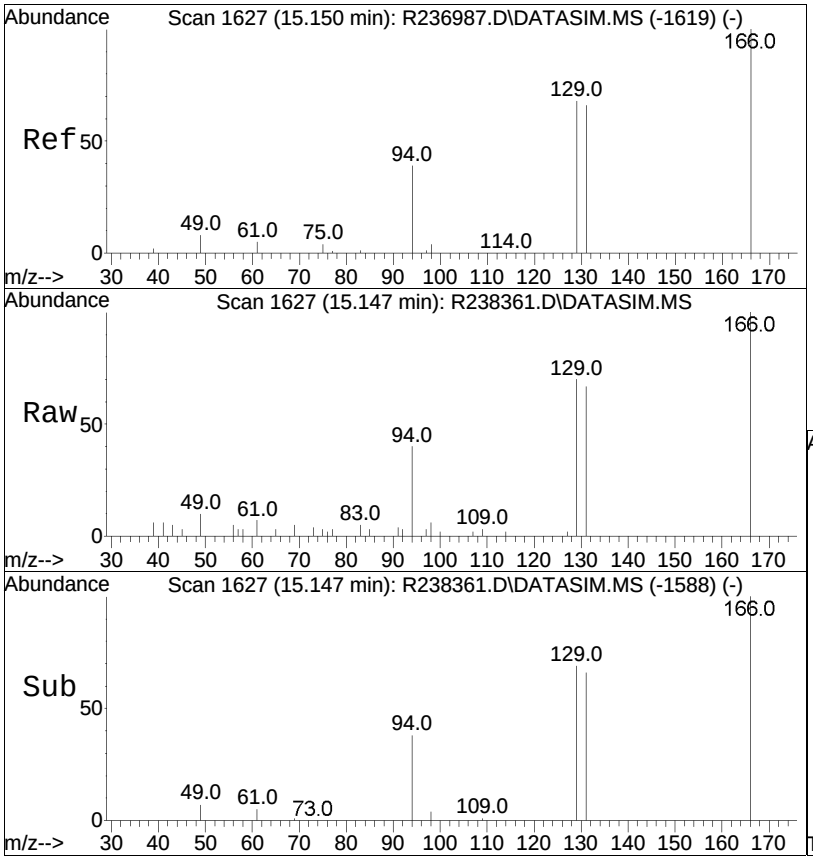


#52
toluene
Concen: 1.73 ppbV
RT: 13.979 min Scan# 1487
Delta R.T. 0.005 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion: 91 Resp: 126818

Ion	Ratio	Lower	Upper
91	100		
92	56.6	46.8	70.2

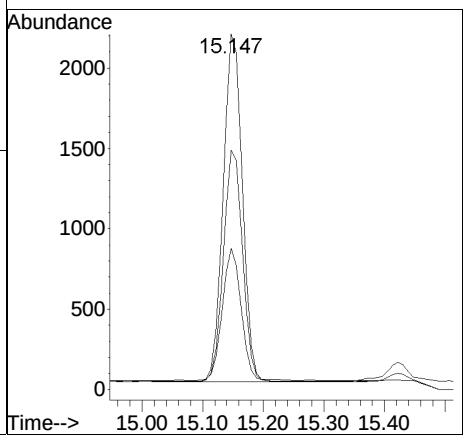


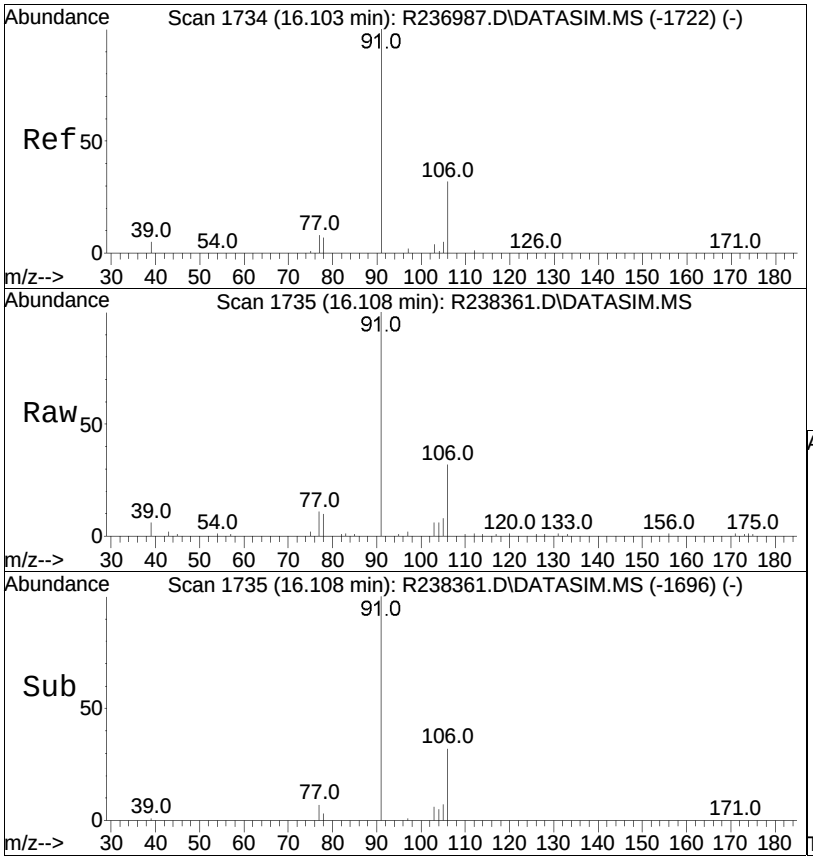


#57
tetrachloroethene
Concen: 0.10 ppbV
RT: 15.147 min Scan# 1627
Delta R.T. -0.003 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion:166 Resp: 4753

Ion	Ratio	Lower	Upper
166	100		
131	67.4	53.0	79.6
94	39.7	31.0	46.6

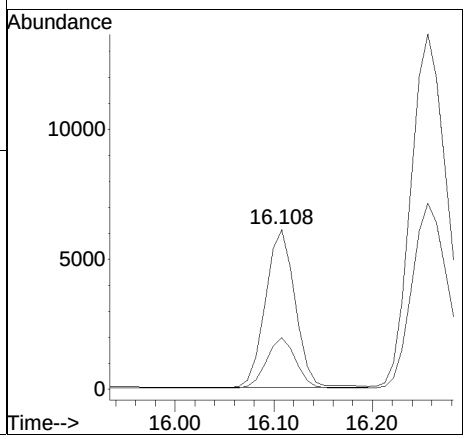


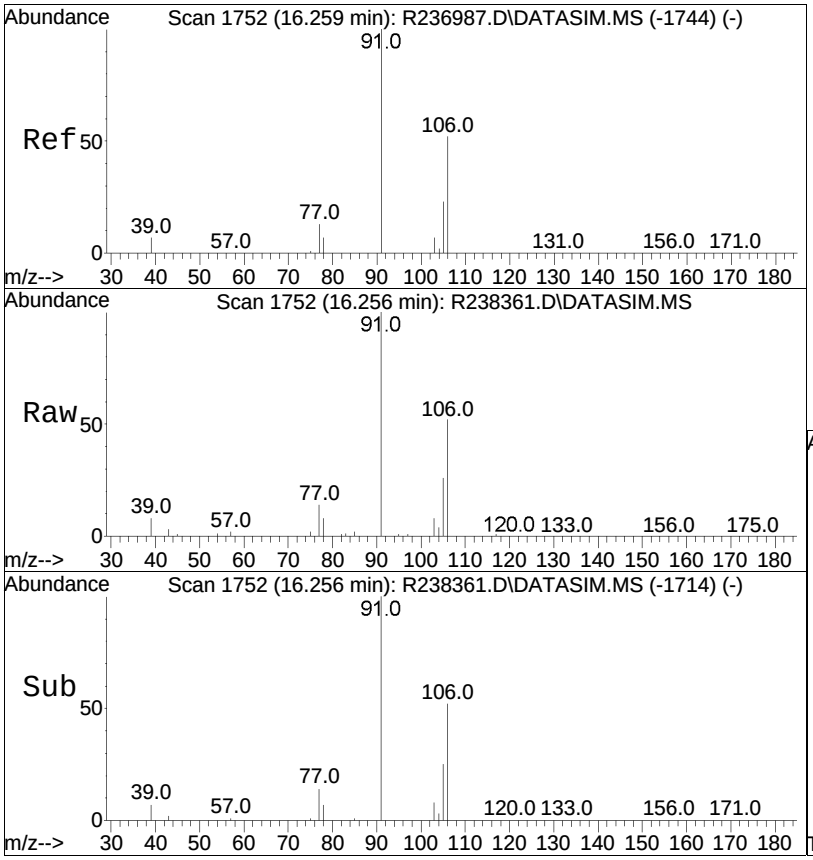


#60
ethylbenzene
Concen: 0.13 ppbV
RT: 16.108 min Scan# 1735
Delta R.T. 0.005 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion: 91 Resp: 12751

Ion	Ratio	Lower	Upper
91	100		
106	32.4	25.8	38.8

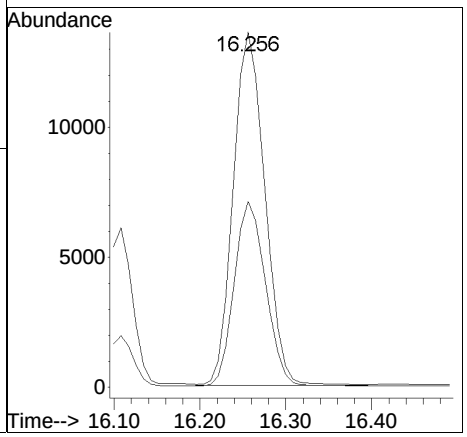


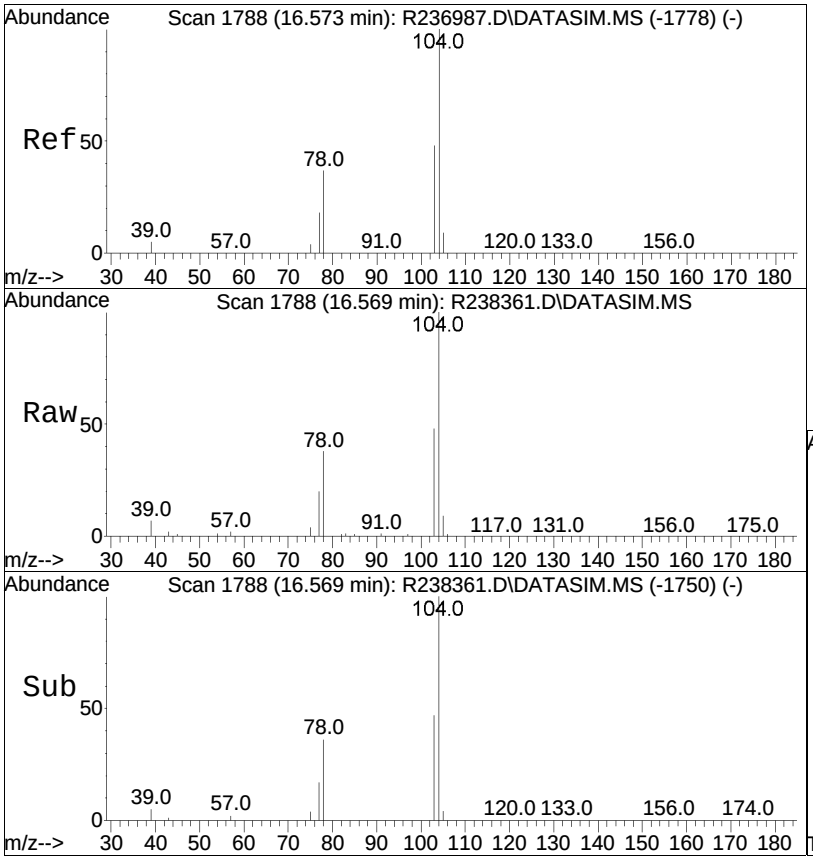


#61
m+p-xylene
Concen: 0.49 ppbV
RT: 16.256 min Scan# 1752
Delta R.T. -0.003 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion: 91 Resp: 34763

Ion	Ratio	Lower	Upper
91	100		
106	52.4	41.5	62.3

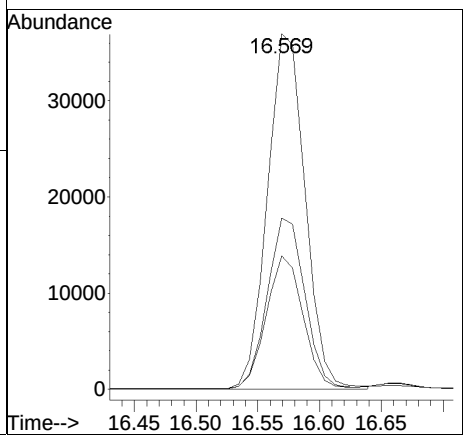


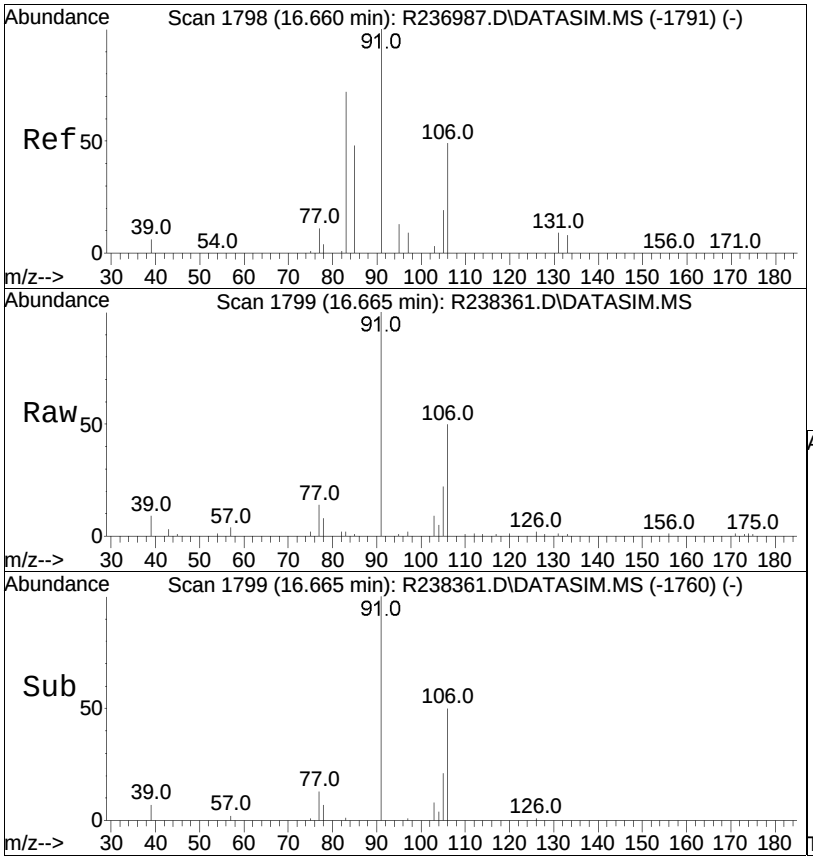


#63
styrene
Concen: 1.43 ppbV
RT: 16.569 min Scan# 1788
Delta R.T. -0.003 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion:104 Resp: 78193

Ion	Ratio	Lower	Upper
104	100		
103	48.2	38.2	57.4
78	37.6	29.8	44.8

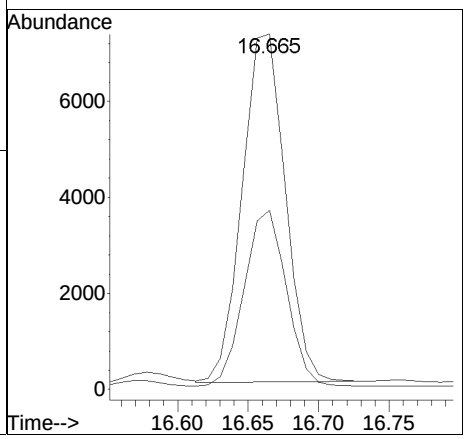


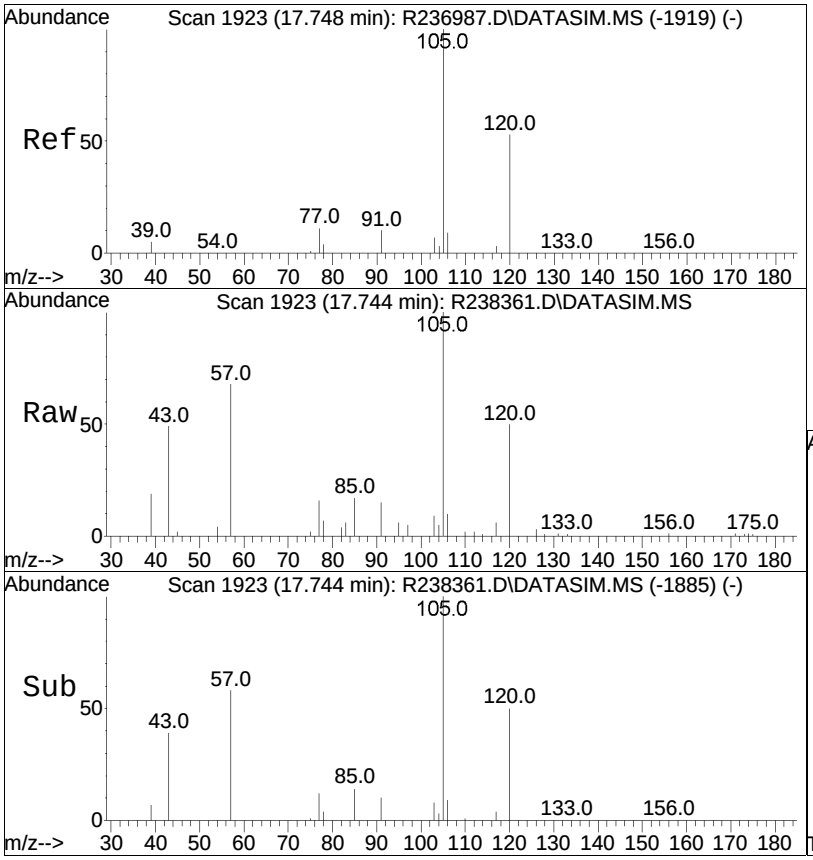


#65
o-xylene
Concen: 0.21 ppbV
RT: 16.665 min Scan# 1799
Delta R.T. 0.005 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion: 91 Resp: 15375

Ion	Ratio	Lower	Upper
91	100		
106	50.5	39.2	58.8

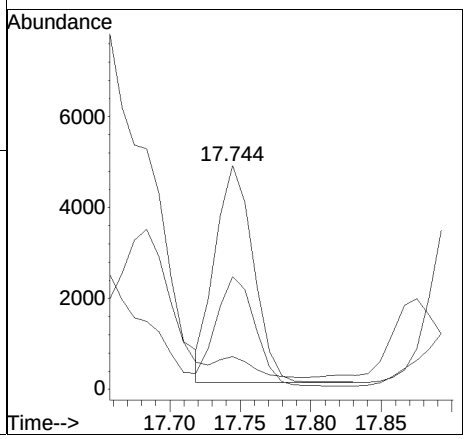


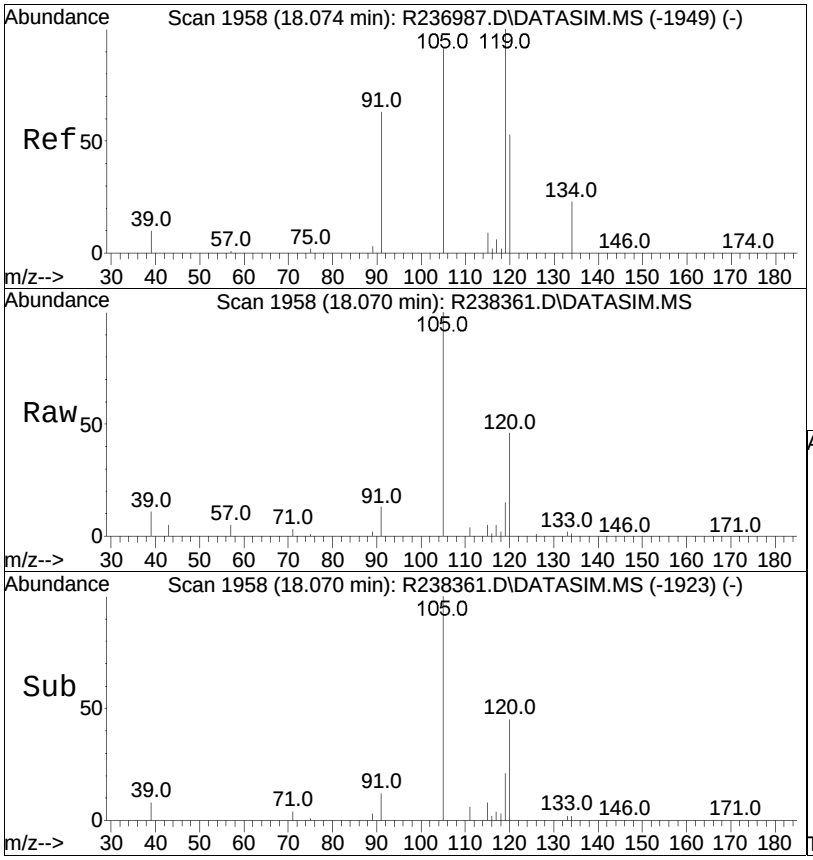


#71
1,3,5-trimethylbenzene
Concen: 0.11 ppbV
RT: 17.744 min Scan# 1923
Delta R.T. -0.003 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion:105 Resp: 9014

Ion	Ratio	Lower	Upper
105	100		
120	50.4	41.3	61.9
91	14.6	8.2	12.2#

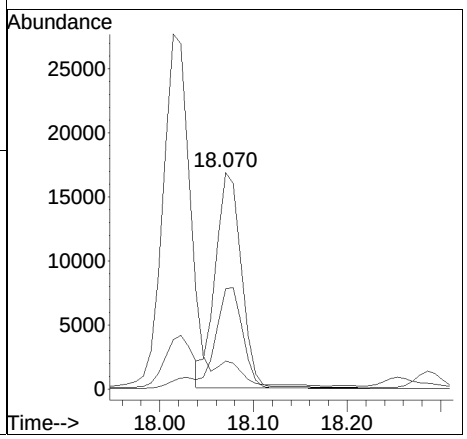


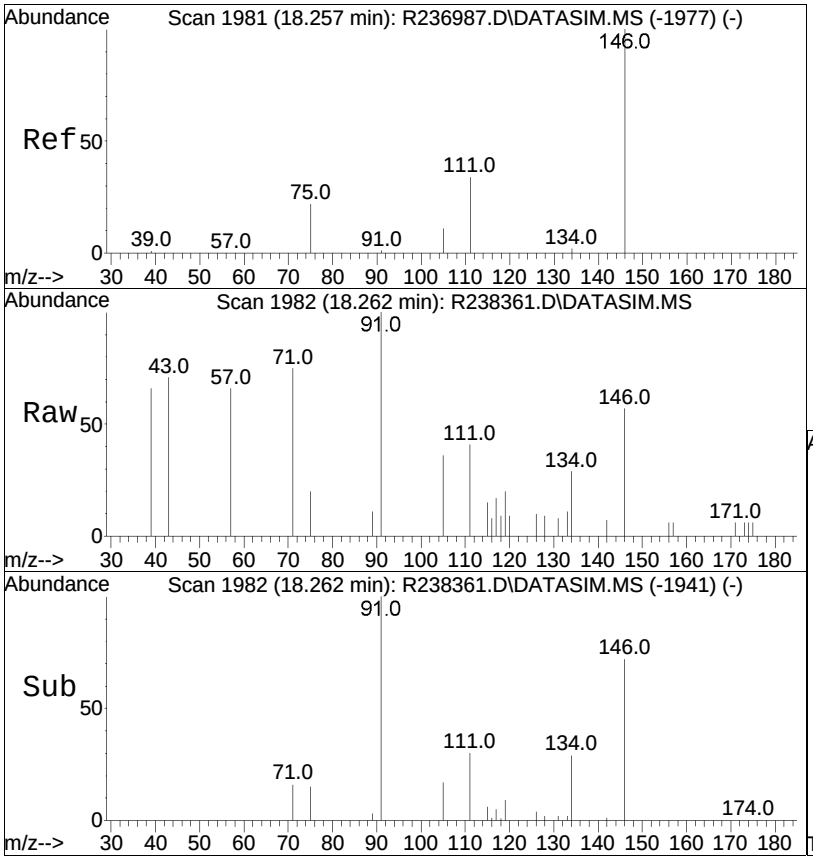


#73
1,2,4-trimethylbenzene
Concen: 0.39 ppbV
RT: 18.070 min Scan# 1958
Delta R.T. -0.003 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion:105 Resp: 32539

Ion	Ratio	Lower	Upper
105	100		
120	46.4	45.9	68.9
91	13.0	55.2	82.8#

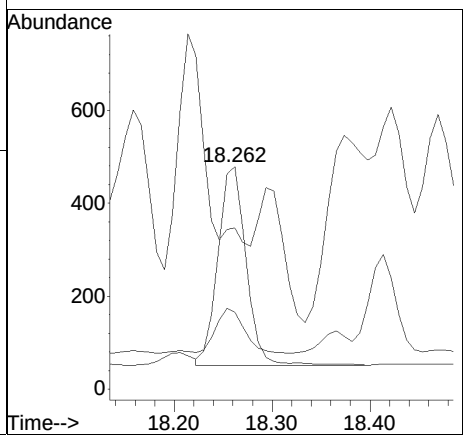


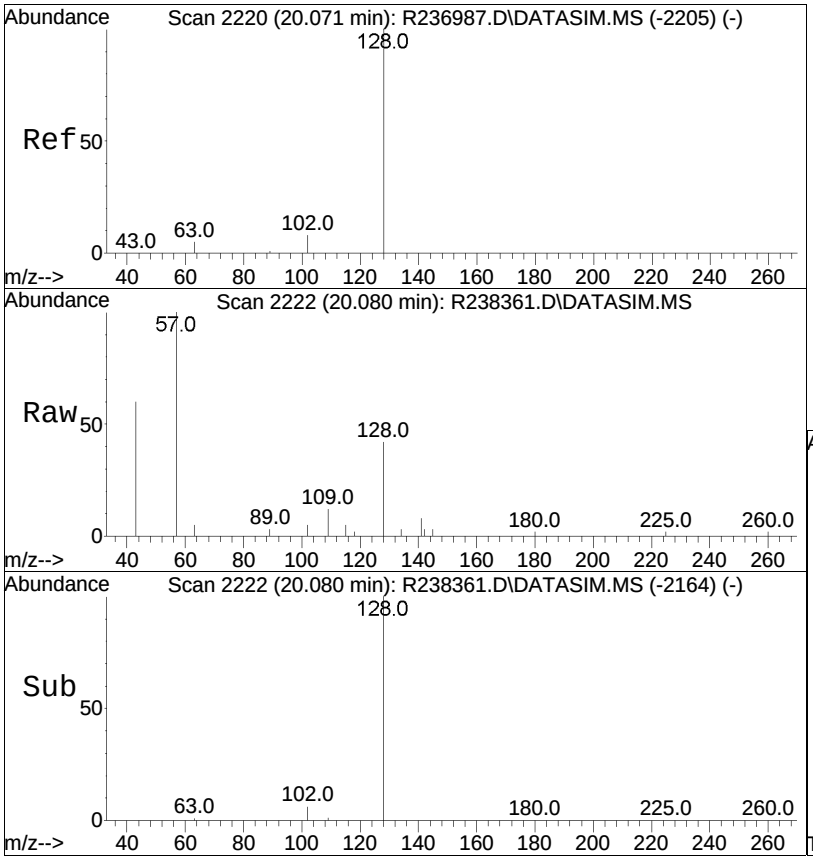


#76
1,4-dichlorobenzene
Concen: 0.01 ppbV
RT: 18.262 min Scan# 1982
Delta R.T. 0.005 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion:146 Resp: 853

Ion	Ratio	Lower	Upper
146	100		
111	72.4	26.6	40.0#
75	34.7	17.7	26.5#

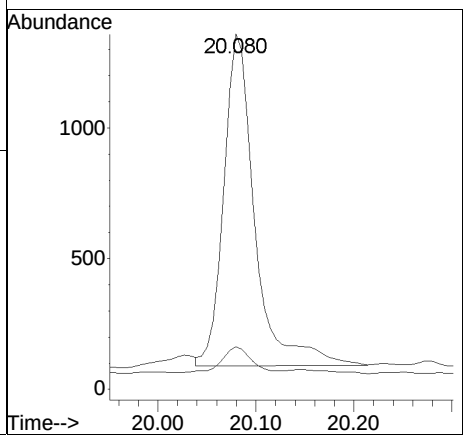




#83
naphthalene
Concen: 0.03 ppbV
RT: 20.080 min Scan# 2222
Delta R.T. 0.008 min
Lab File: R238361.D
Acq: 03 Feb 2026 03:11 am

Tgt Ion:128 Resp: 2800

Ion	Ratio	Lower	Upper
128	100		
102	12.0	6.5	9.7#



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab23\20	QMethod	: TSIM23_251121.M
Data File	: R238361.D	Operator	: AIRLAB23:TPH
Date Inj'd	: 2/3/2026 3:11 am	Instrument	: Airlab23
Sample	: L2603846-02,3,250,250	Quant Date	: 2/3/2026 7:42 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238362.D
Acq On : 03 Feb 2026 03:51 am
Operator : AIRLAB23:TPH
Sample : L2603846-04,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 03 07:42:42 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2026\02\0202SIM\R238353.D
Sub List : 1,,,NYDEC-SIM - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.859	49	235933	10.000	ppbV	0.00
Standard Area = 256103			Recovery = 92.12%			
33) 1,4-difluorobenzene	11.052	114	786488	10.000	ppbV	0.00
Standard Area = 957969			Recovery = 82.10%			
51) chlorobenzene-D5	15.731	54	102991	10.000	ppbV	0.00
Standard Area = 117966			Recovery = 87.31%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	3.864	85	25089	0.381	ppbV	99
4) chloromethane	4.034	50	10240	0.567	ppbV	99
5) Freon-114	4.134	85	1141	0.014	ppbV	92
6) vinyl chloride	0.000		0	N.D.		
8) bromomethane	0.000		0	N.D.	d	
9) chloroethane	4.854	64	328	0.024	ppbV #	61
10) ethanol	4.988	31	436600	48.698	ppbV	88
14) trichlorofluoromethane	5.667	101	11820	0.170	ppbV	99
17) 1,1-dichloroethene	0.000		0	N.D.	d	
18) tertiary butyl alcohol	0.000		0	N.D.	d	
19) methylene chloride	6.495	49	7313	0.333	ppbV	96
22) Freon 113	6.798	101	3451	0.062	ppbV	98
23) trans-1,2-dichloroethene	0.000		0	N.D.		
24) 1,1-dichloroethane	0.000		0	N.D.		
25) MTBE	7.847		0	N.D.		
27) 2-butanone	8.199	43	31627	1.083	ppbV	96
28) cis-1,2-dichloroethene	8.680		0	N.D.		
30) chloroform	9.014	83	2106	0.038	ppbV #	94
32) 1,2-dichloroethane	9.837	62	690	0.021	ppbV #	68
34) hexane	8.933	57	3833	0.200	ppbV #	37
36) 1,1,1-trichloroethane	10.122		0	N.D.		
37) benzene	10.637	78	15583	0.277	ppbV	96
38) carbon tetrachloride	10.807	117	3990	0.075	ppbV	100
39) cyclohexane	10.948	56	1752	0.090	ppbV #	86
41) 1,2-dichloropropane	11.571		0	N.D.		
42) bromodichloromethane	11.787		0	N.D.		
43) 1,4-dioxane	11.900		0	N.D.		
44) trichloroethene	11.844	130	5151	0.152	ppbV	97

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238362.D
Acq On : 03 Feb 2026 03:51 am
Operator : AIRLAB23:TPH
Sample : L2603846-04,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 03 07:42:42 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2026\02\0202SIM\R238353.D
Sub List : 1,,,NYDEC-SIM - .

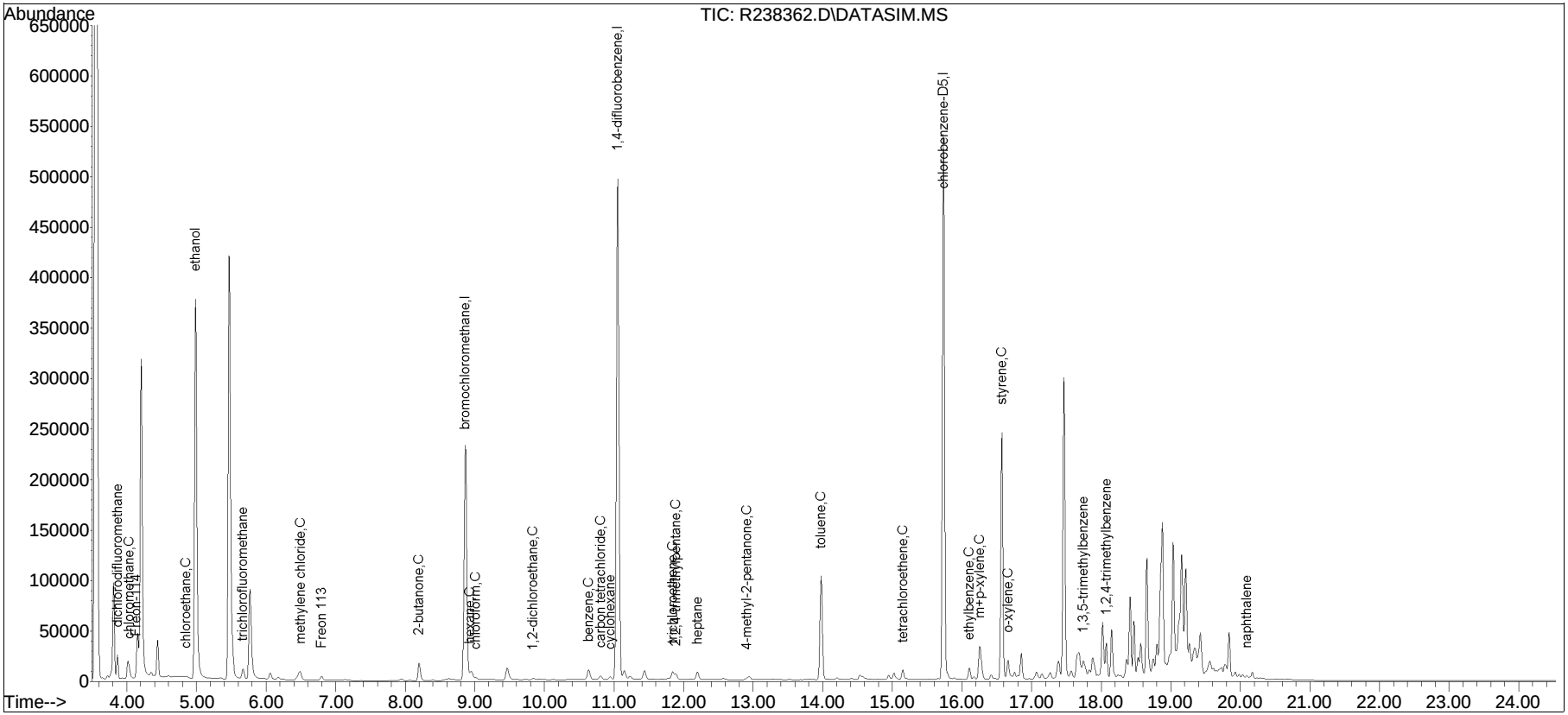
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 2,2,4-trimethylpentane	11.891	57	6027	0.101	ppbV #	90
46) heptane	12.202	43	5178	0.286	ppbV	96
47) cis-1,3-dichloropropene	0.000		0	N.D.		
48) 4-methyl-2-pentanone	12.909	43	1974	0.071	ppbV	98
49) trans-1,3-dichloropropene	0.000		0	N.D.		
50) 1,1,2-trichloroethane	0.000		0	N.D.		
52) toluene	13.976	91	134127	1.838	ppbV	97
55) dibromochloromethane	0.000		0	N.D.		
56) 1,2-dibromoethane	0.000		0	N.D.		
57) tetrachloroethene	15.153	166	7452	0.157	ppbV	96
59) chlorobenzene	0.000		0	N.D.	d	
60) ethylbenzene	16.105	91	13952	0.148	ppbV	99
61) m+p-xylene	16.253	91	38288	0.539	ppbV	99
62) bromoform	16.331		0	N.D.		
63) styrene	16.575	104	224965	4.112	ppbV	99
64) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	d	
65) o-xylene	16.662	91	17375	0.240	ppbV	99
71) 1,3,5-trimethylbenzene	17.741	105	8987	0.114	ppbV #	95
73) 1,2,4-trimethylbenzene	18.075	105	31054	0.370	ppbV #	57
74) Benzyl Chloride	0.000		0	N.D.	d	
75) 1,3-dichlorobenzene	18.259		0	N.D.		
76) 1,4-dichlorobenzene	18.259		0	N.D.		
79) 1,2-dichlorobenzene	0.000		0	N.D.		
82) 1,2,4-trichlorobenzene	0.000		0	N.D.		
83) naphthalene	20.088	128	1992	0.018	ppbV #	82
85) hexachlorobutadiene	0.000		0	N.D.		

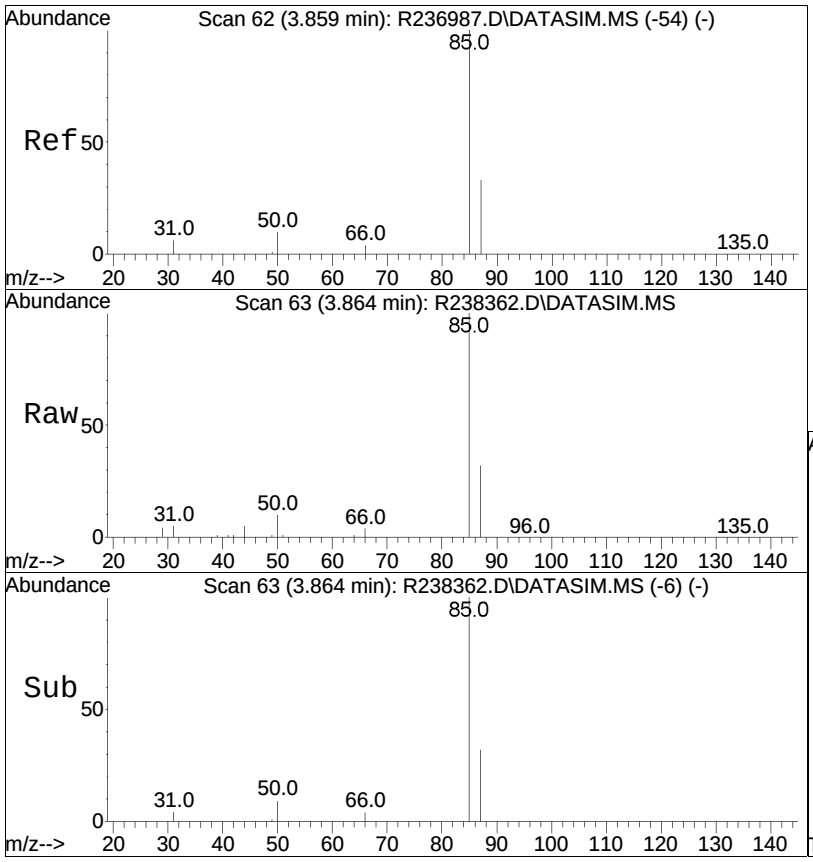
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 1,,,NYDEC-SIM - .rlab23\2026\02\0202SIM\R238353.D

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238362.D
Acq On : 03 Feb 2026 03:51 am
Operator : AIRLAB23:TPH
Sample : L2603846-04,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 03 07:42:42 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

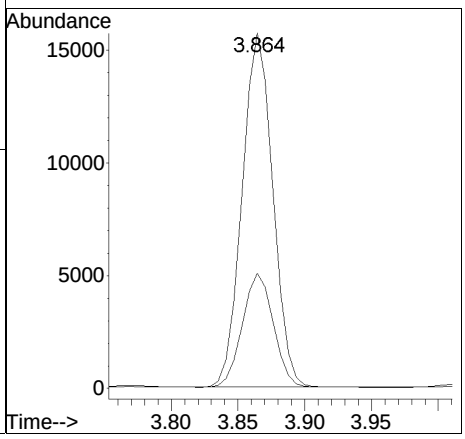


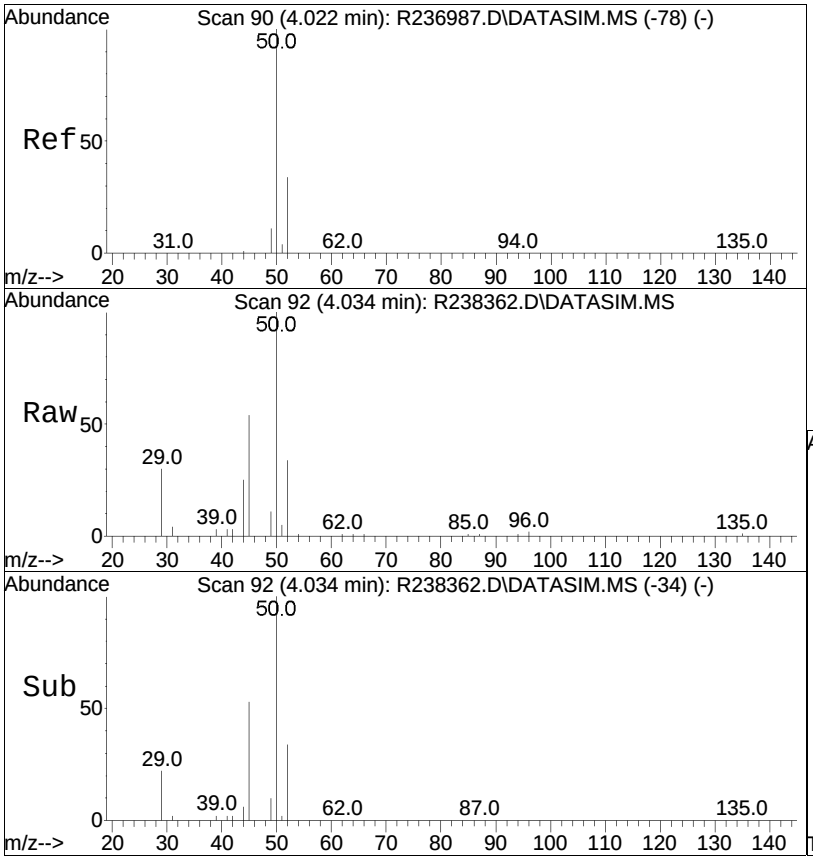


#3
dichlorodifluoromethane
Concen: 0.38 ppbV
RT: 3.864 min Scan# 63
Delta R.T. 0.006 min
Lab File: R238362.D
Acq: 03 Feb 2026 03:51 am

Tgt Ion: 85 Resp: 25089

Ion	Ratio	Lower	Upper
85	100		
87	32.4	26.3	39.5

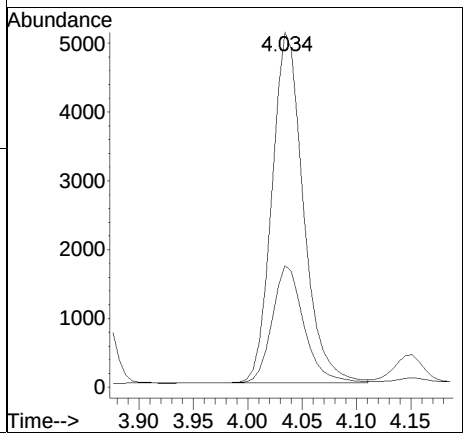


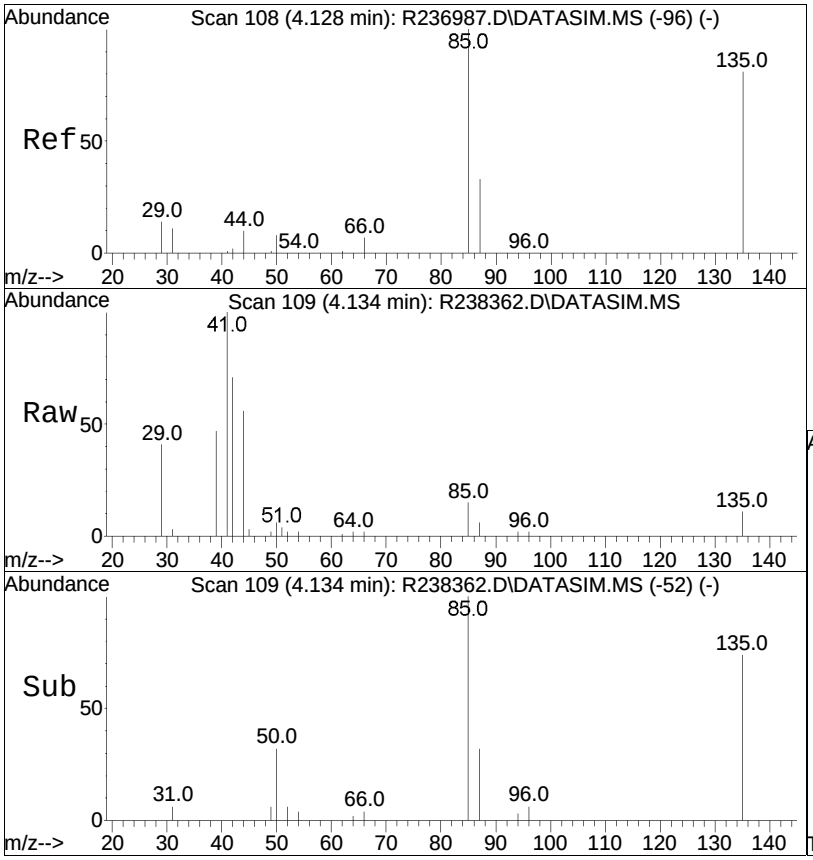


#4
chloromethane
Concen: 0.57 ppbV
RT: 4.034 min Scan# 92
Delta R.T. 0.012 min
Lab File: R238362.D
Acq: 03 Feb 2026 03:51 am

Tgt Ion: 50 Resp: 10240

Ion	Ratio	Lower	Upper
50	100		
52	34.3	26.9	40.3

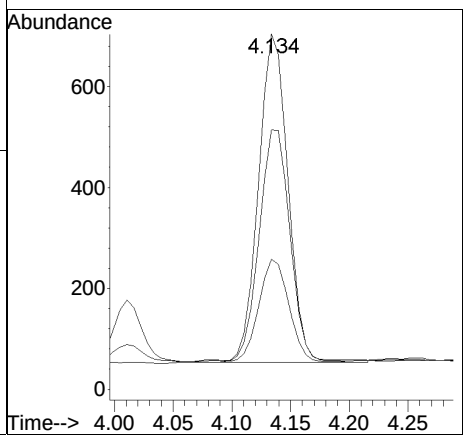


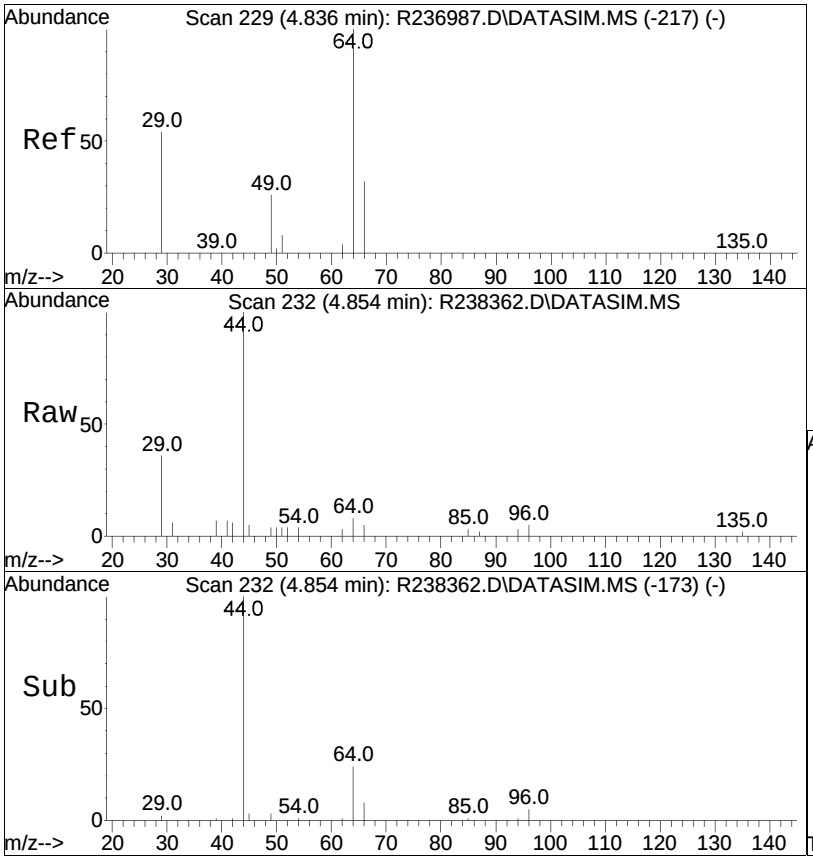


#5
Freon-114
Concen: 0.01 ppbV
RT: 4.134 min Scan# 109
Delta R.T. 0.006 min
Lab File: R238362.D
Acq: 03 Feb 2026 03:51 am

Tgt Ion: 85 Resp: 1141

Ion	Ratio	Lower	Upper
85	100		
87	36.6	26.4	39.6
135	73.0	64.6	97.0

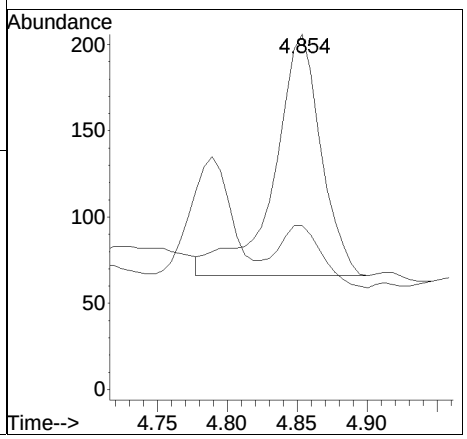


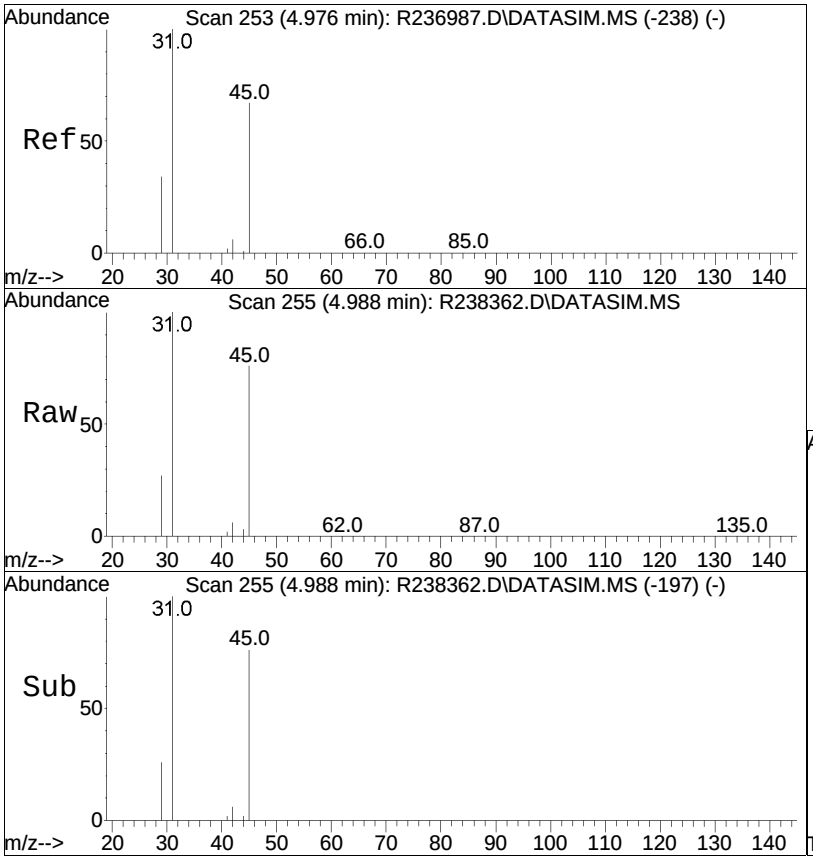


#9
chloroethane
Concen: 0.02 ppbV
RT: 4.854 min Scan# 232
Delta R.T. 0.018 min
Lab File: R238362.D
Acq: 03 Feb 2026 03:51 am

Tgt Ion: 64 Resp: 328

Ion	Ratio	Lower	Upper
64	100		
49	46.1	20.8	31.2#

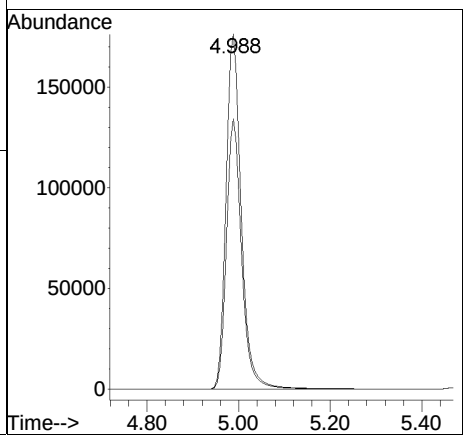


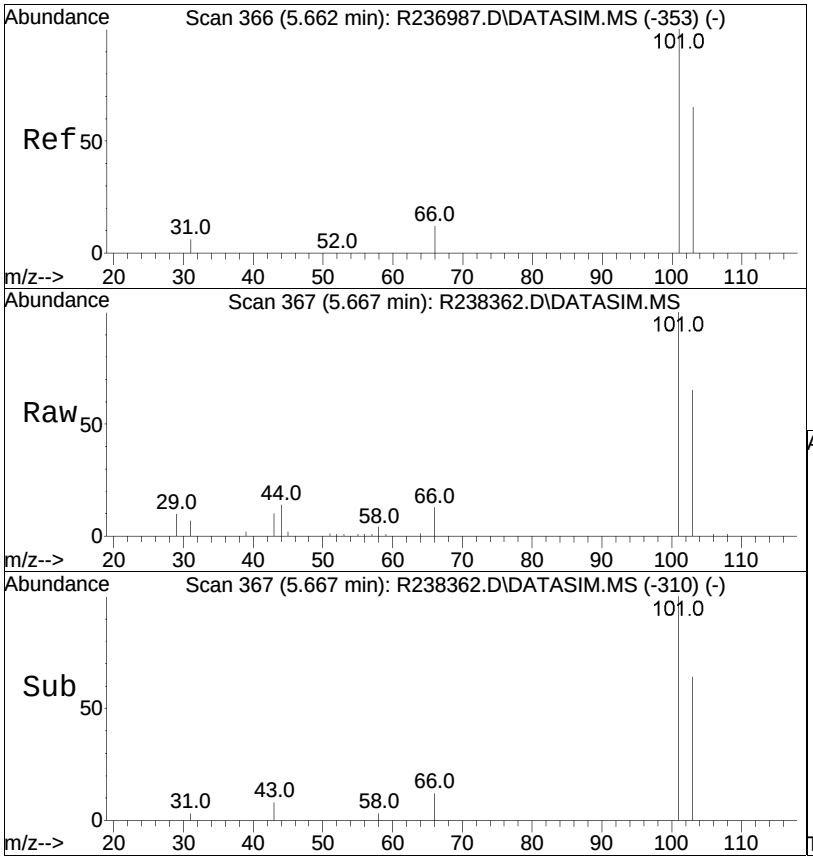


#10
ethanol
Concen: 48.70 ppbV
RT: 4.988 min Scan# 255
Delta R.T. 0.012 min
Lab File: R238362.D
Acq: 03 Feb 2026 03:51 am

Tgt Ion: 31 Resp: 436600

Ion	Ratio	Lower	Upper
31	100		
45	76.2	53.5	80.3

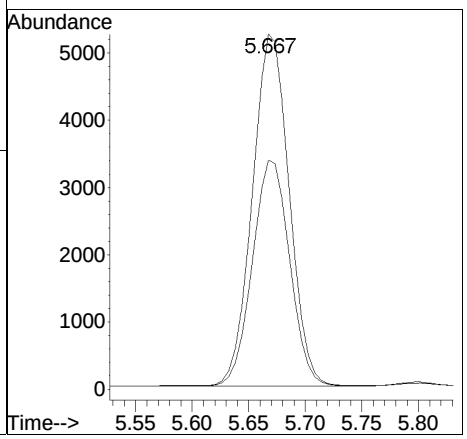


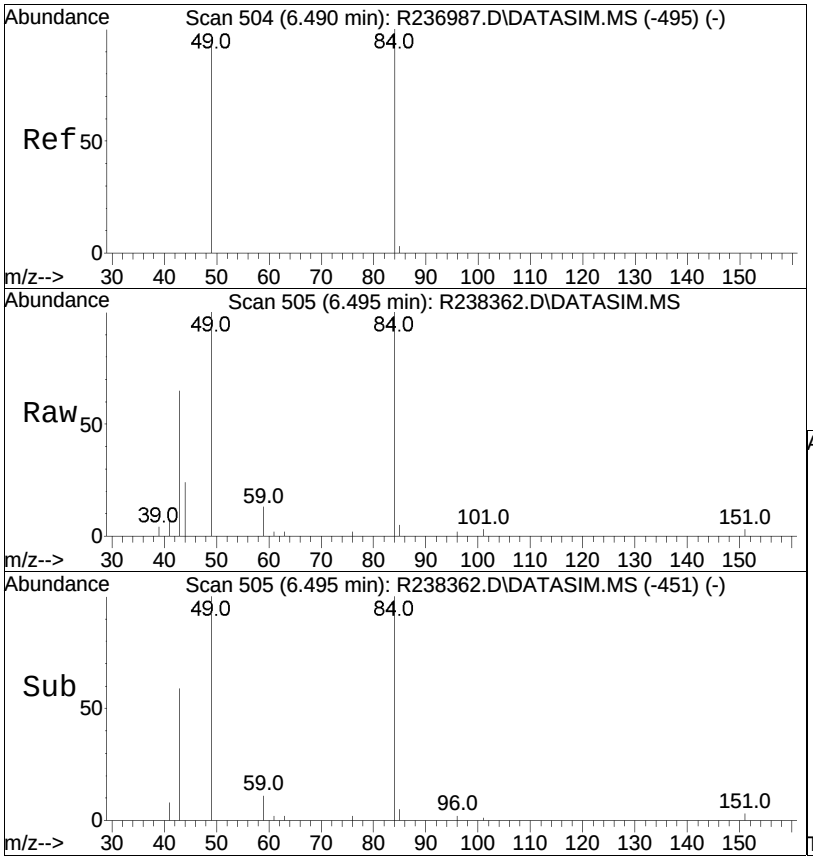


#14
trichlorofluoromethane
Concen: 0.17 ppbV
RT: 5.667 min Scan# 367
Delta R.T. 0.006 min
Lab File: R238362.D
Acq: 03 Feb 2026 03:51 am

Tgt Ion:101 Resp: 11820

Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.1	78.1

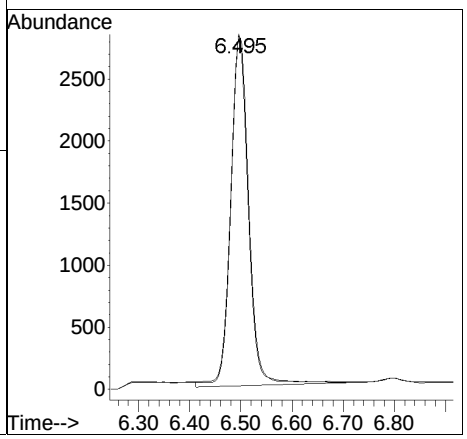


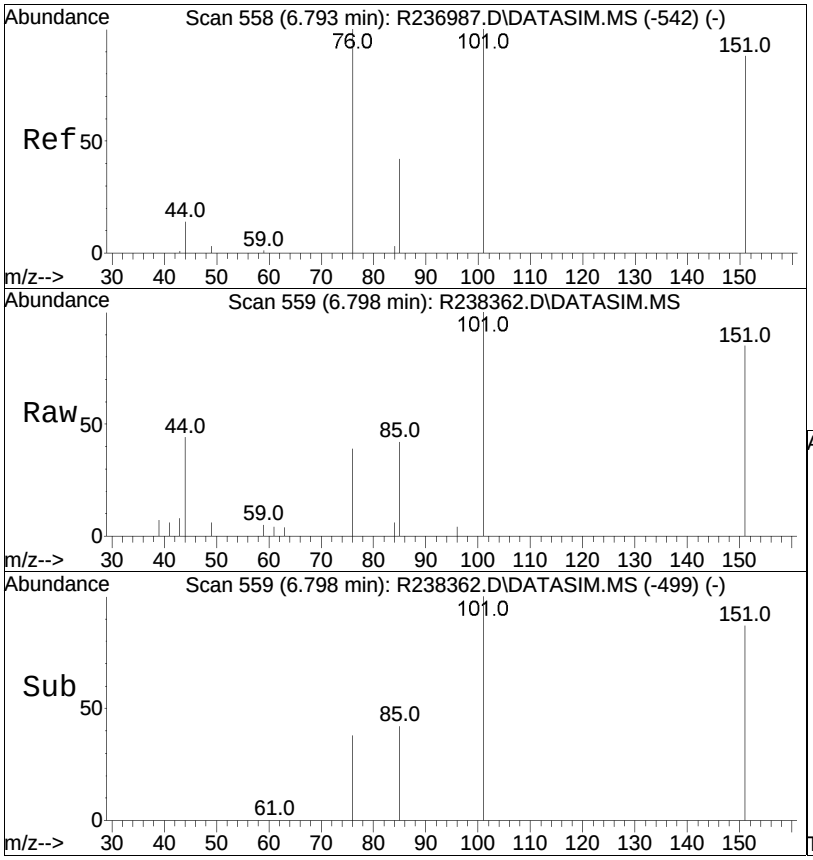


#19
methylene chloride
Concen: 0.33 ppbV
RT: 6.495 min Scan# 505
Delta R.T. 0.005 min
Lab File: R238362.D
Acq: 03 Feb 2026 03:51 am

Tgt Ion: 49 Resp: 7313

Ion	Ratio	Lower	Upper
49	100		
84	99.9	83.5	125.3

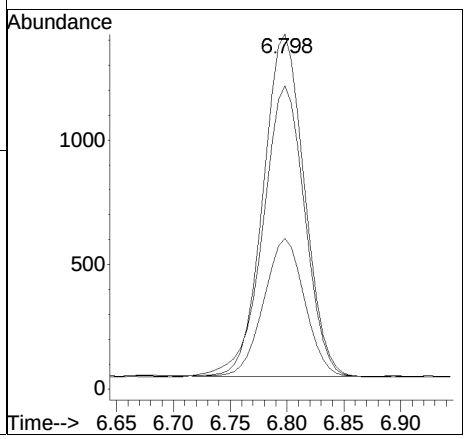


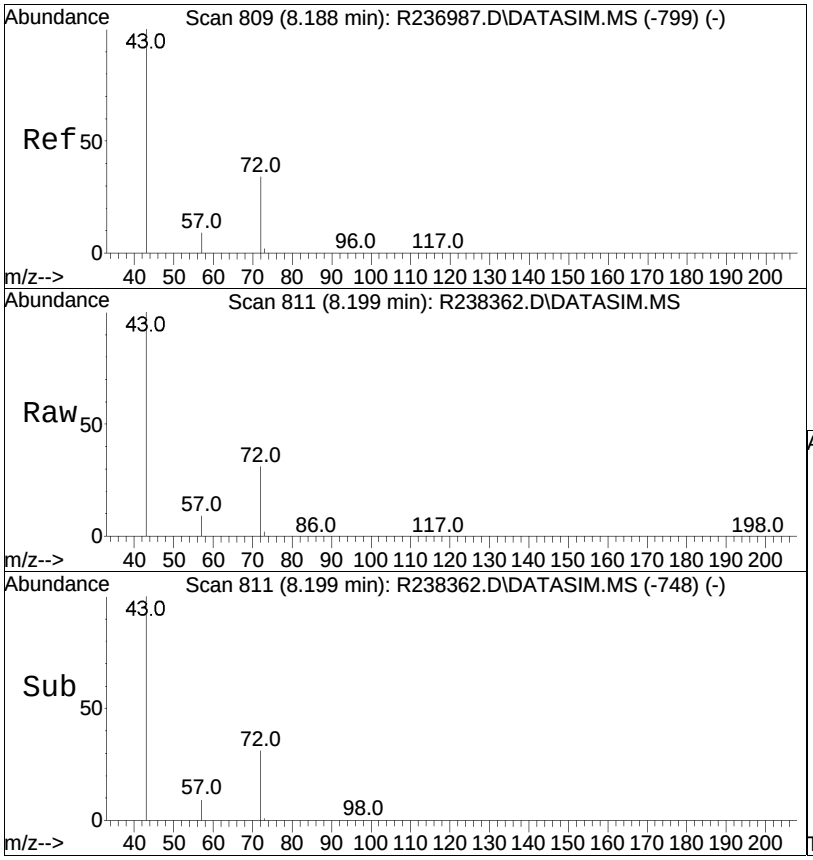


#22
Freon 113
Concen: 0.06 ppbV
RT: 6.798 min Scan# 559
Delta R.T. 0.005 min
Lab File: R238362.D
Acq: 03 Feb 2026 03:51 am

Tgt Ion:101 Resp: 3451

Ion	Ratio	Lower	Upper
101	100		
85	42.5	33.8	50.8
151	85.5	71.0	106.4

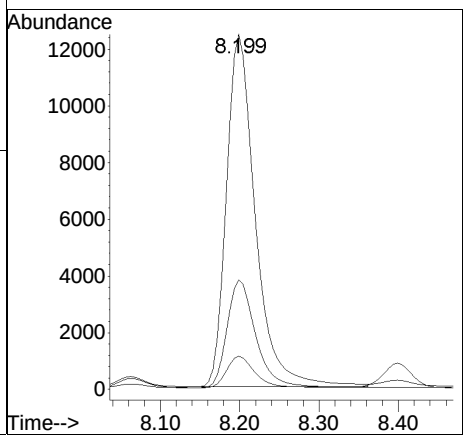


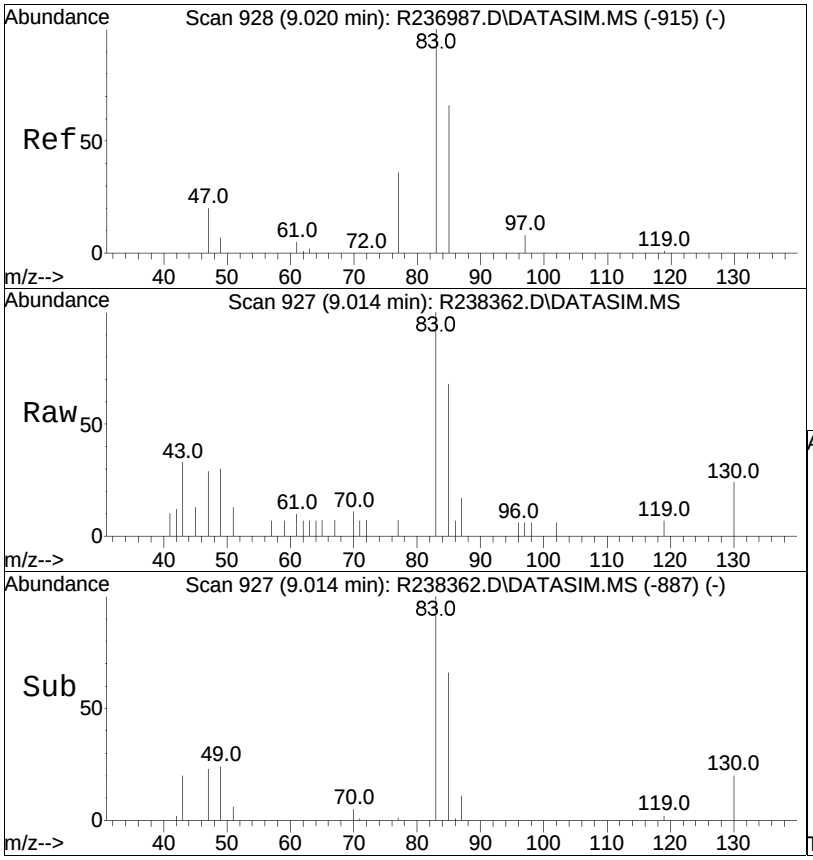


#27
2-butanone
Concen: 1.08 ppbV
RT: 8.199 min Scan# 811
Delta R.T. 0.011 min
Lab File: R238362.D
Acq: 03 Feb 2026 03:51 am

Tgt Ion: 43 Resp: 31627

Ion	Ratio	Lower	Upper
43	100		
72	30.9	27.0	40.4
57	9.4	7.7	11.5

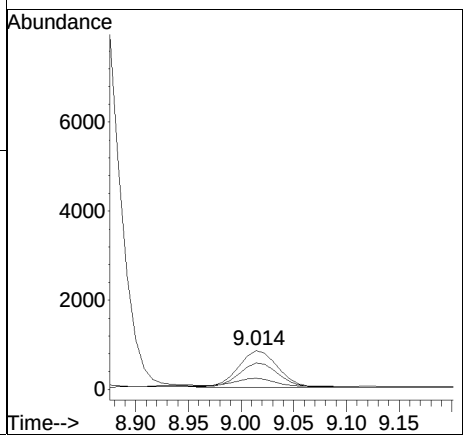


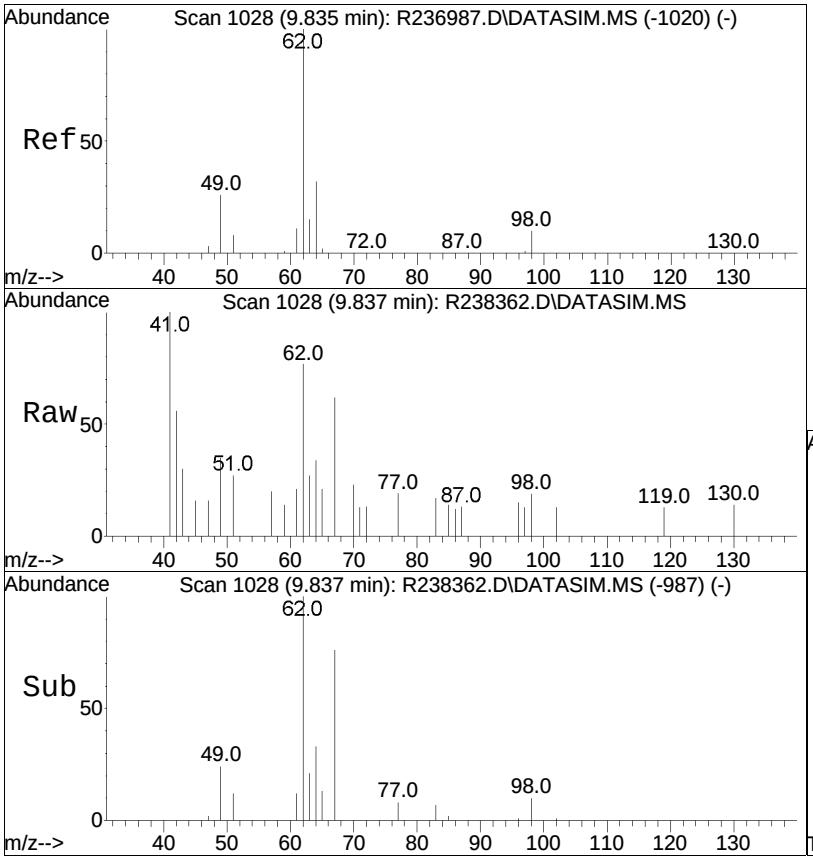


#30
chloroform
Concen: 0.04 ppbV
RT: 9.014 min Scan# 927
Delta R.T. -0.006 min
Lab File: R238362.D
Acq: 03 Feb 2026 03:51 am

Tgt Ion: 83 Resp: 2106

Ion	Ratio	Lower	Upper
83	100		
85	68.2	52.8	79.2
47	28.8	16.7	25.1#

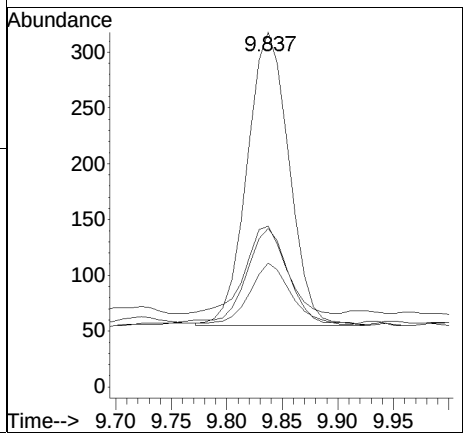


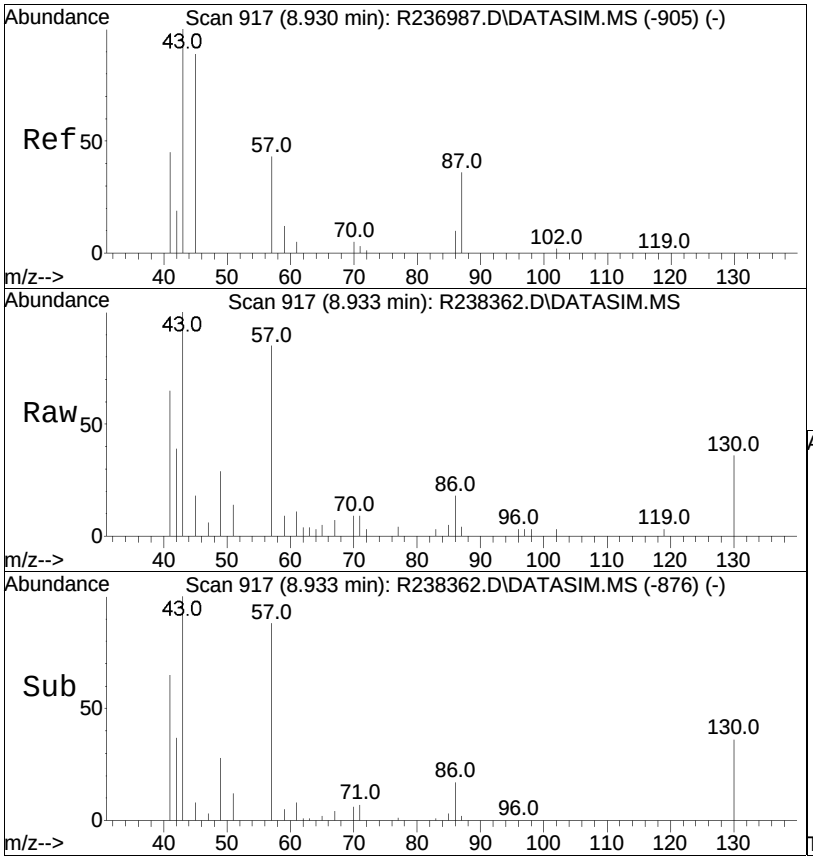


#32
1,2-dichloroethane
Concen: 0.02 ppbV
RT: 9.837 min Scan# 1028
Delta R.T. 0.002 min
Lab File: R238362.D
Acq: 03 Feb 2026 03:51 am

Tgt Ion: 62 Resp: 690

Ion	Ratio	Lower	Upper
62	100		
64	44.7	26.2	39.2#
49	45.3	20.6	31.0#
63	34.9	12.3	18.5#

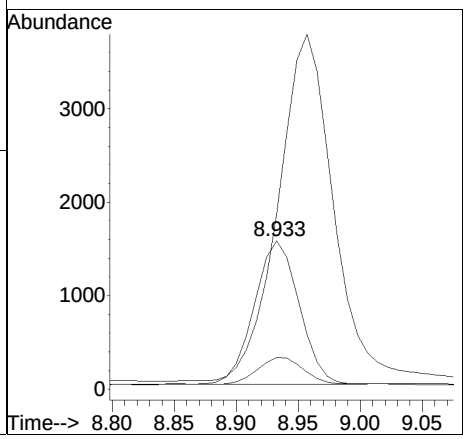


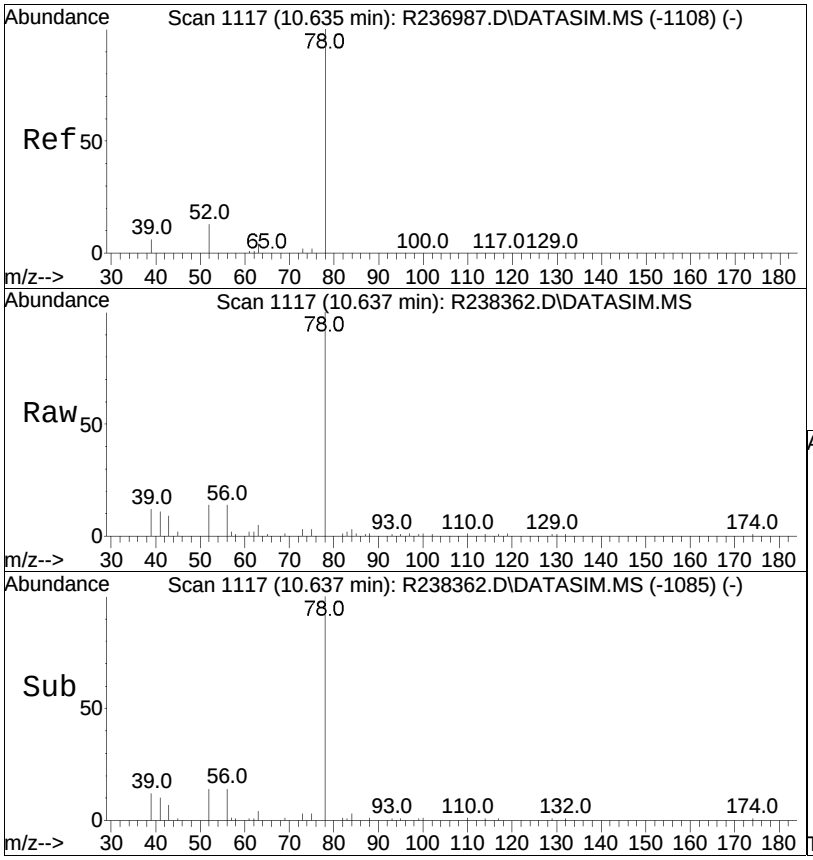


#34
hexane
Concen: 0.20 ppbV
RT: 8.933 min Scan# 917
Delta R.T. 0.002 min
Lab File: R238362.D
Acq: 03 Feb 2026 03:51 am

Tgt Ion: 57 Resp: 3833

Ion	Ratio	Lower	Upper
57	100		
43	118.3	186.2	279.4#
86	21.6	17.8	26.8

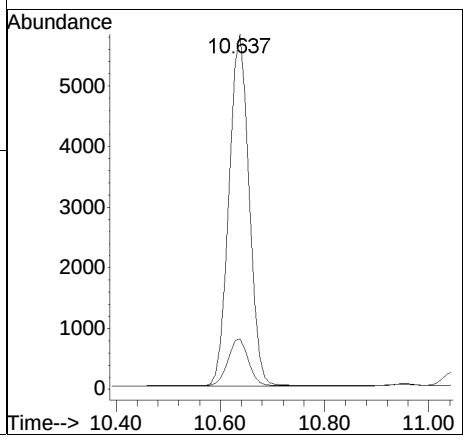


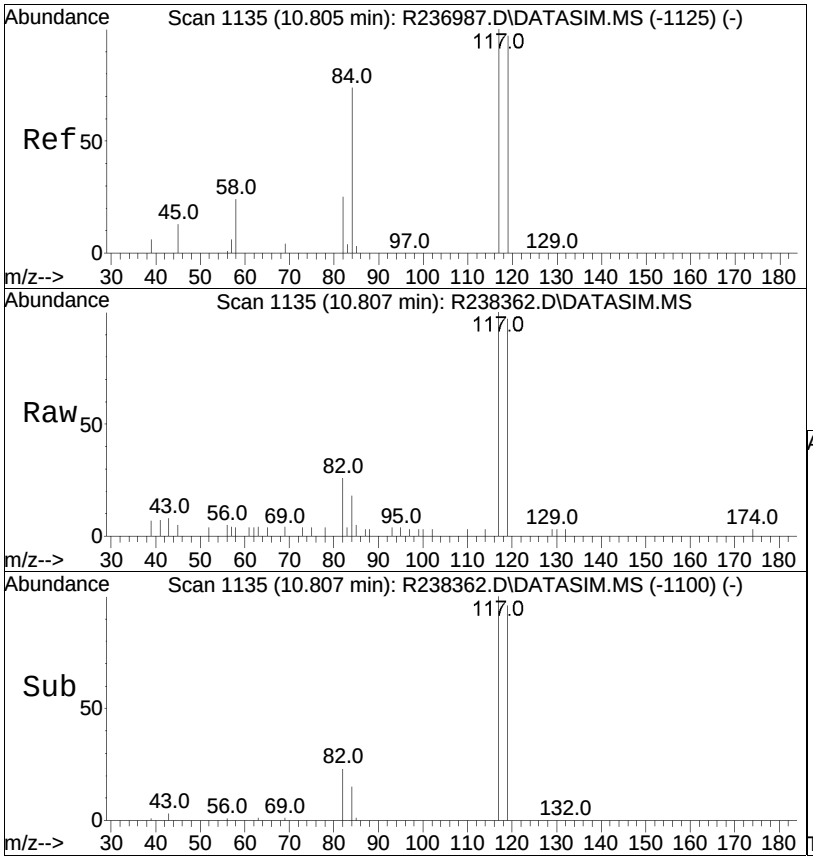


#37
benzene
Concen: 0.28 ppbV
RT: 10.637 min Scan# 1117
Delta R.T. 0.002 min
Lab File: R238362.D
Acq: 03 Feb 2026 03:51 am

Tgt Ion: 78 Resp: 15583

Ion	Ratio	Lower	Upper
78	100		
52	14.3	10.2	15.2

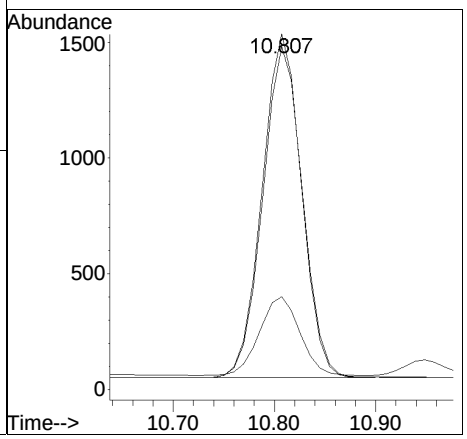


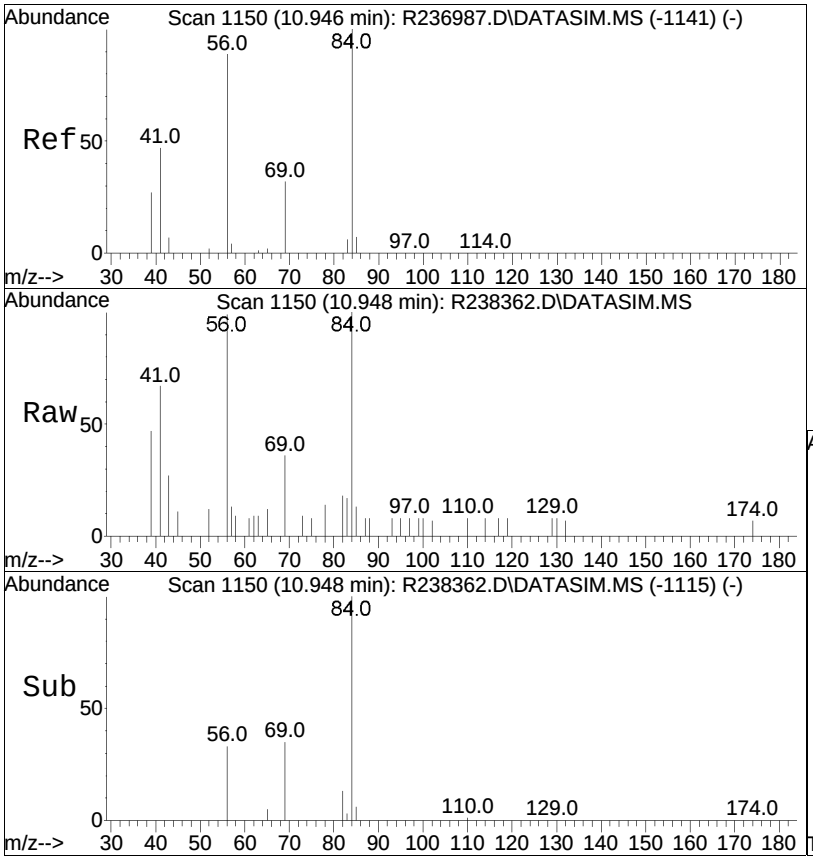


#38
carbon tetrachloride
Concen: 0.08 ppbV
RT: 10.807 min Scan# 1135
Delta R.T. 0.002 min
Lab File: R238362.D
Acq: 03 Feb 2026 03:51 am

Tgt Ion:117 Resp: 3990

Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.4	116.0
82	26.1	20.3	30.5

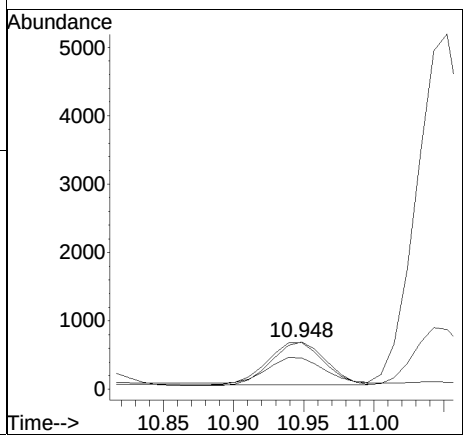


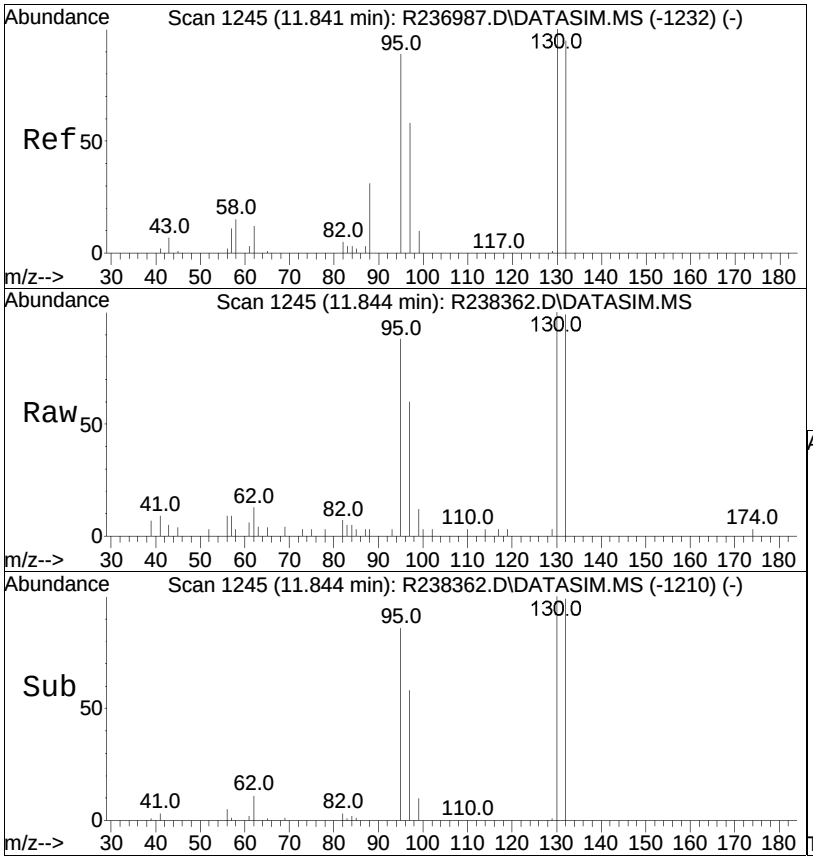


#39
cyclohexane
Concen: 0.09 ppbV
RT: 10.948 min Scan# 1150
Delta R.T. 0.002 min
Lab File: R238362.D
Acq: 03 Feb 2026 03:51 am

Tgt Ion: 56 Resp: 1752

Ion	Ratio	Lower	Upper
56	100		
84	100.9	91.0	136.4
41	67.2	42.9	64.3#

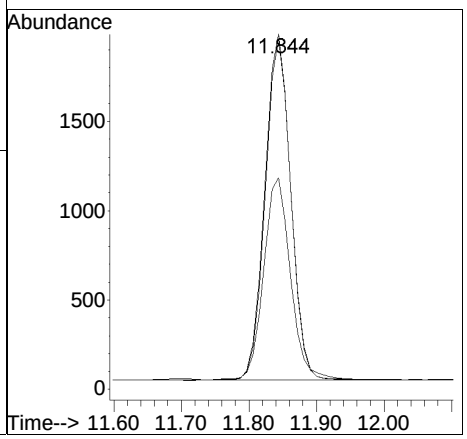


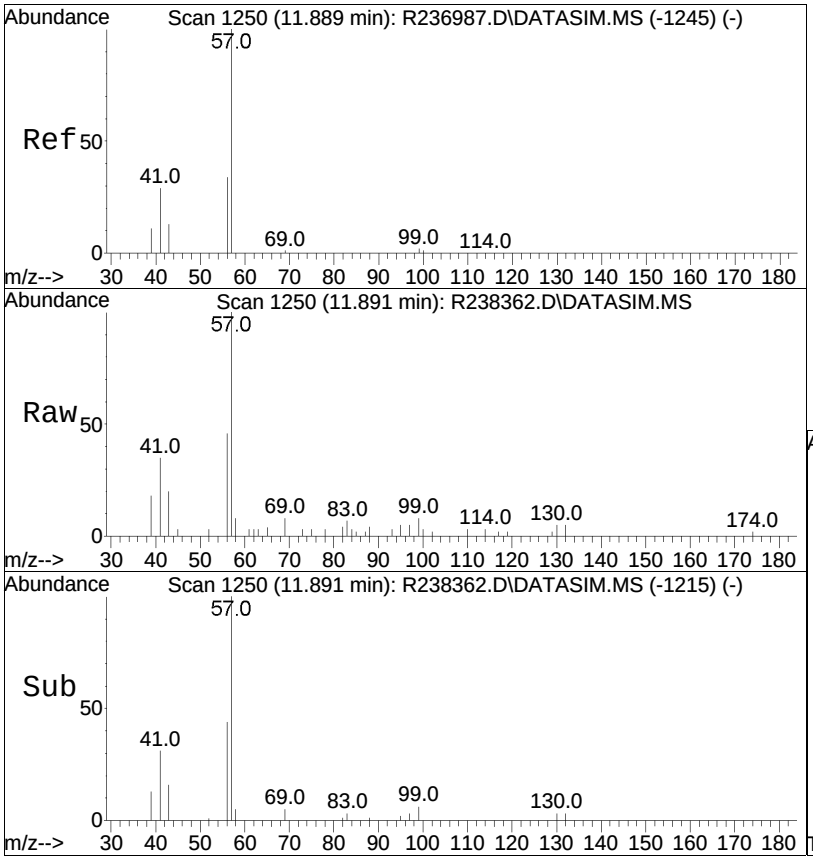


#44
trichloroethene
Concen: 0.15 ppbV
RT: 11.844 min Scan# 1245
Delta R.T. 0.002 min
Lab File: R238362.D
Acq: 03 Feb 2026 03:51 am

Tgt Ion:130 Resp: 5151

Ion	Ratio	Lower	Upper
130	100		
132	98.7	76.4	114.6
97	59.6	46.3	69.5

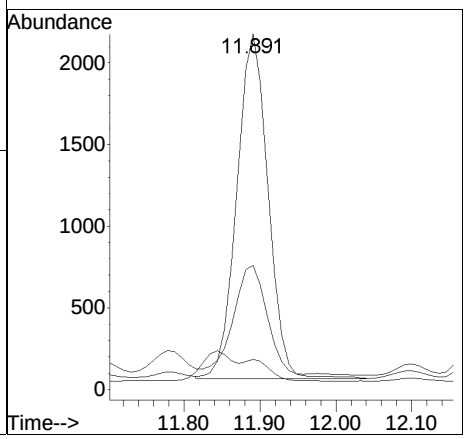


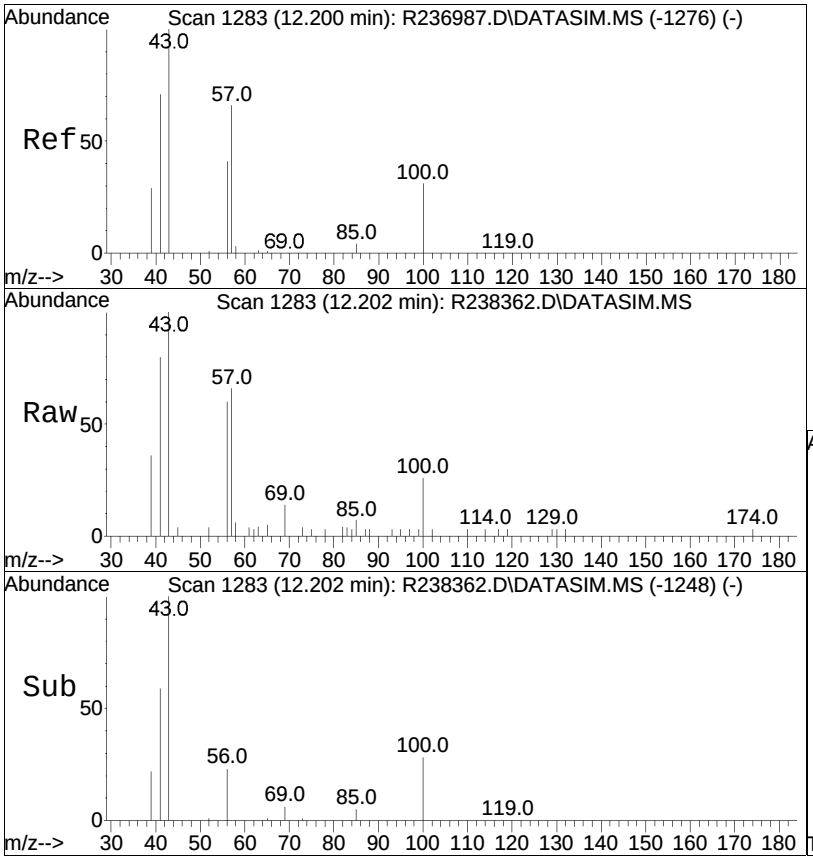


#45
2,2,4-trimethylpentane
Concen: 0.10 ppbV
RT: 11.891 min Scan# 1250
Delta R.T. 0.002 min
Lab File: R238362.D
Acq: 03 Feb 2026 03:51 am

Tgt Ion: 57 Resp: 6027

Ion	Ratio	Lower	Upper
57	100		
99	8.5	6.7	10.1
41	34.9	22.7	34.1#

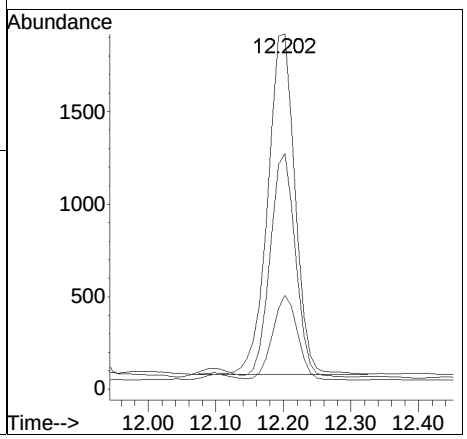


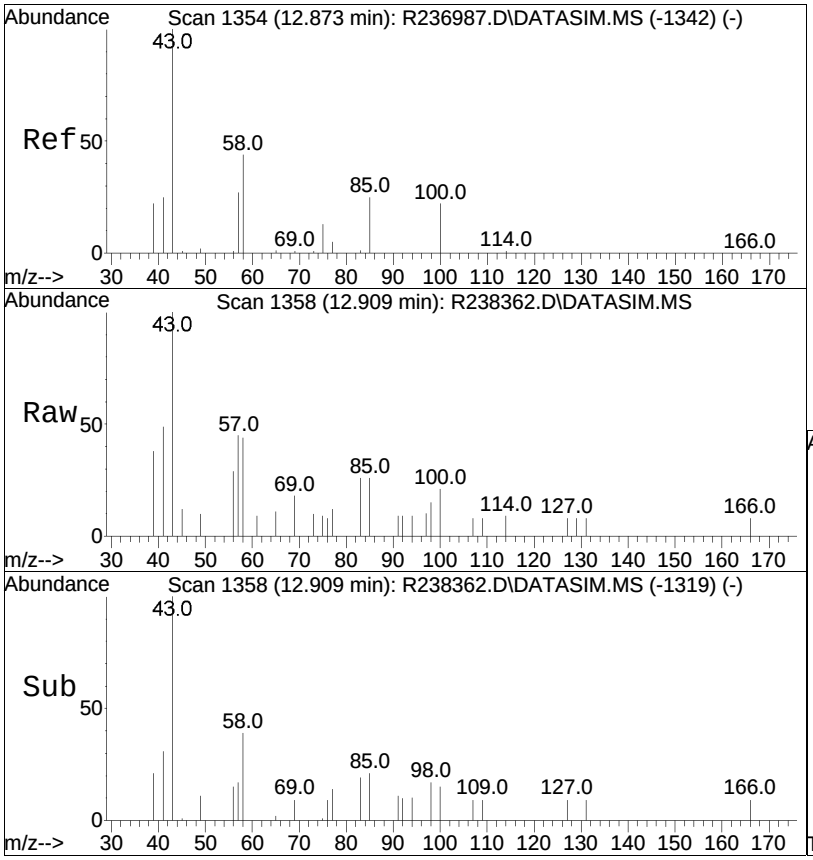


#46
heptane
Concen: 0.29 ppbV
RT: 12.202 min Scan# 1283
Delta R.T. 0.002 min
Lab File: R238362.D
Acq: 03 Feb 2026 03:51 am

Tgt Ion: 43 Resp: 5178

Ion	Ratio	Lower	Upper
43	100		
57	66.4	52.5	78.7
100	26.5	26.0	39.0

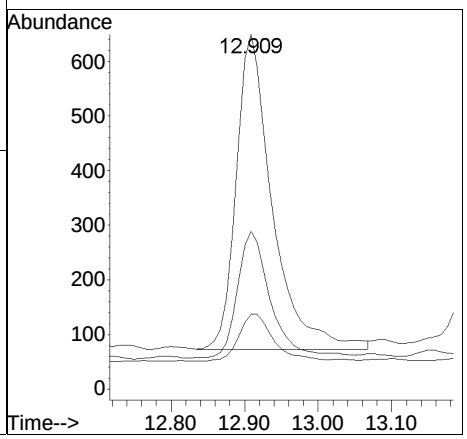


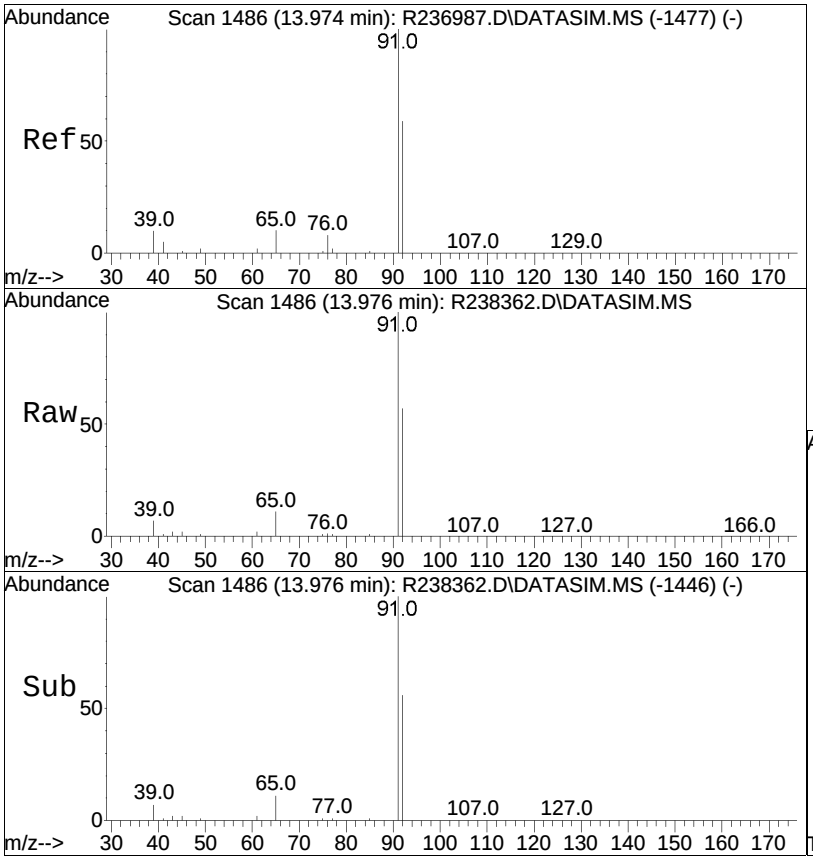


#48
4-methyl-2-pentanone
Concen: 0.07 ppbV
RT: 12.909 min Scan# 1358
Delta R.T. 0.036 min
Lab File: R238362.D
Acq: 03 Feb 2026 03:51 am

Tgt Ion: 43 Resp: 1974

Ion	Ratio	Lower	Upper
43	100		
58	44.5	35.0	52.6
100	21.1	17.9	26.9

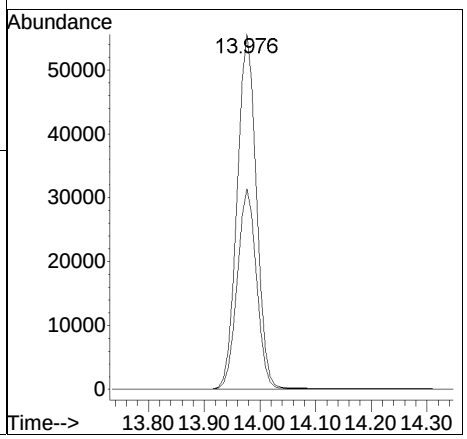


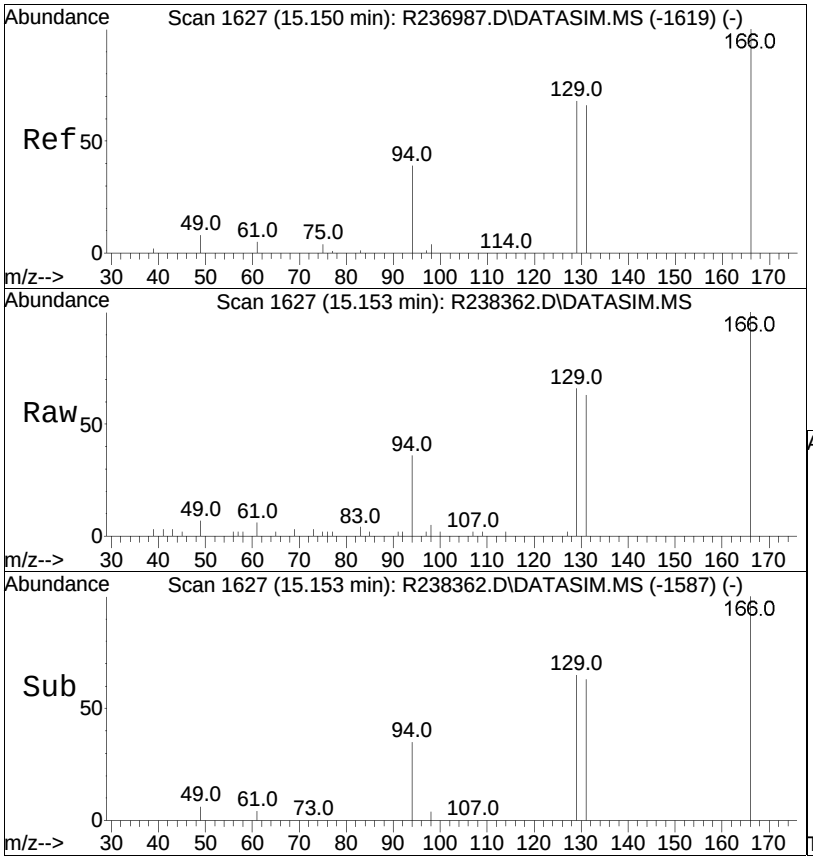


#52
toluene
Concen: 1.84 ppbV
RT: 13.976 min Scan# 1486
Delta R.T. 0.002 min
Lab File: R238362.D
Acq: 03 Feb 2026 03:51 am

Tgt Ion: 91 Resp: 134127

Ion	Ratio	Lower	Upper
91	100		
92	56.5	46.8	70.2

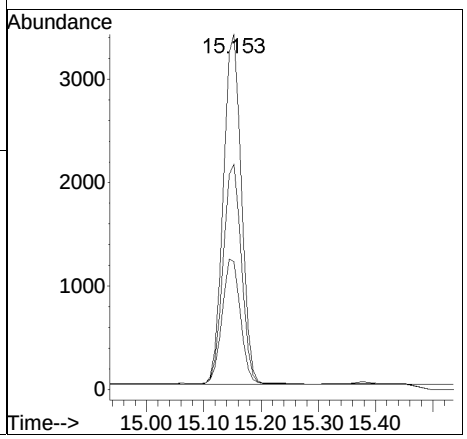


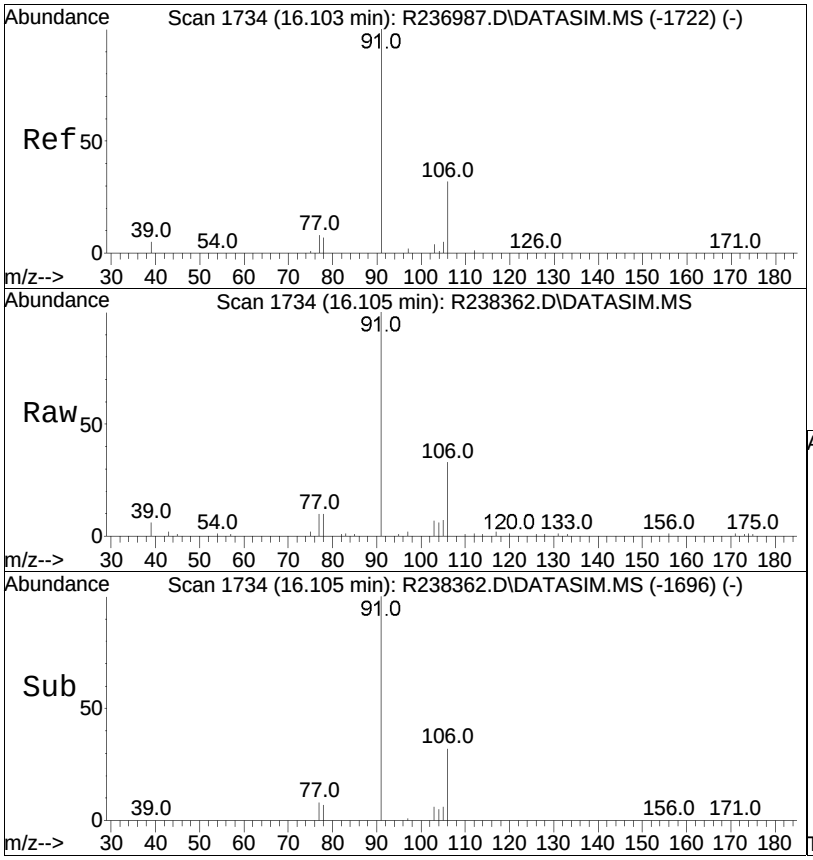


#57
tetrachloroethene
Concen: 0.16 ppbV
RT: 15.153 min Scan# 1627
Delta R.T. 0.002 min
Lab File: R238362.D
Acq: 03 Feb 2026 03:51 am

Tgt Ion:166 Resp: 7452

Ion	Ratio	Lower	Upper
166	100		
131	63.4	53.0	79.6
94	35.9	31.0	46.6

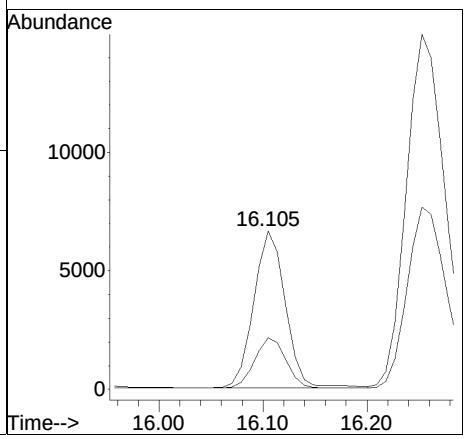


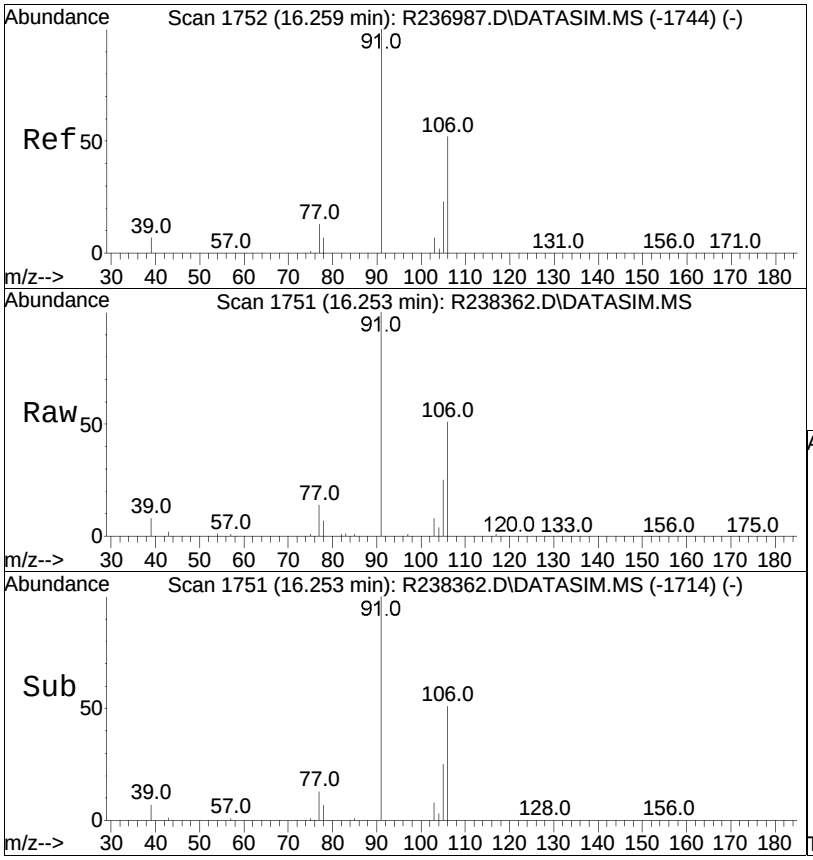


#60
ethylbenzene
Concen: 0.15 ppbV
RT: 16.105 min Scan# 1734
Delta R.T. 0.002 min
Lab File: R238362.D
Acq: 03 Feb 2026 03:51 am

Tgt Ion: 91 Resp: 13952

Ion	Ratio	Lower	Upper
91	100		
106	32.6	25.8	38.8

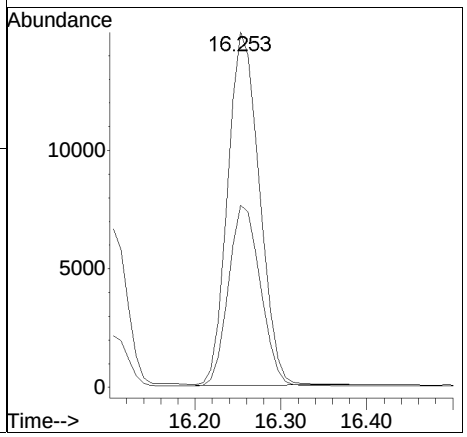


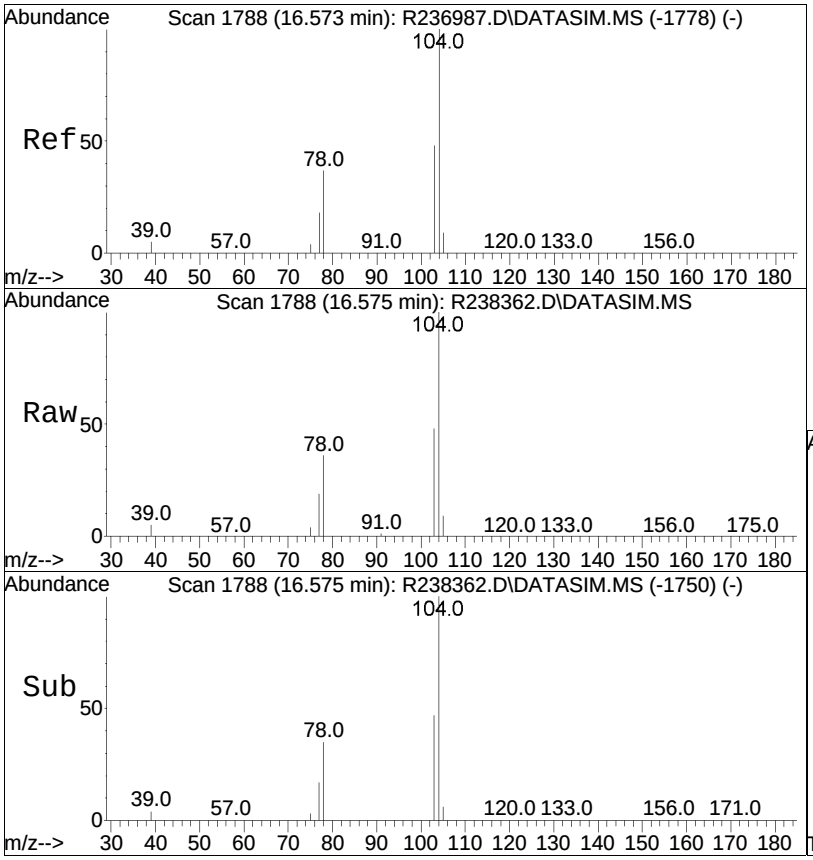


#61
m+p-xylene
Concen: 0.54 ppbV
RT: 16.253 min Scan# 1751
Delta R.T. -0.006 min
Lab File: R238362.D
Acq: 03 Feb 2026 03:51 am

Tgt Ion: 91 Resp: 38288

Ion	Ratio	Lower	Upper
91	100		
106	51.3	41.5	62.3

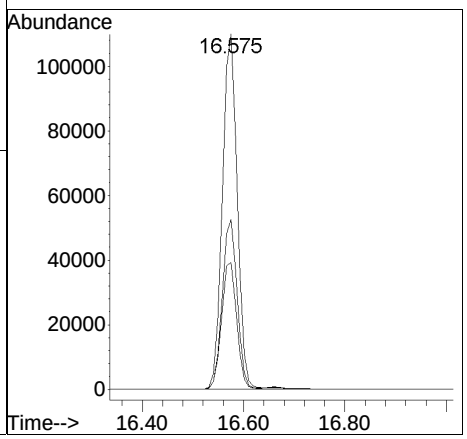


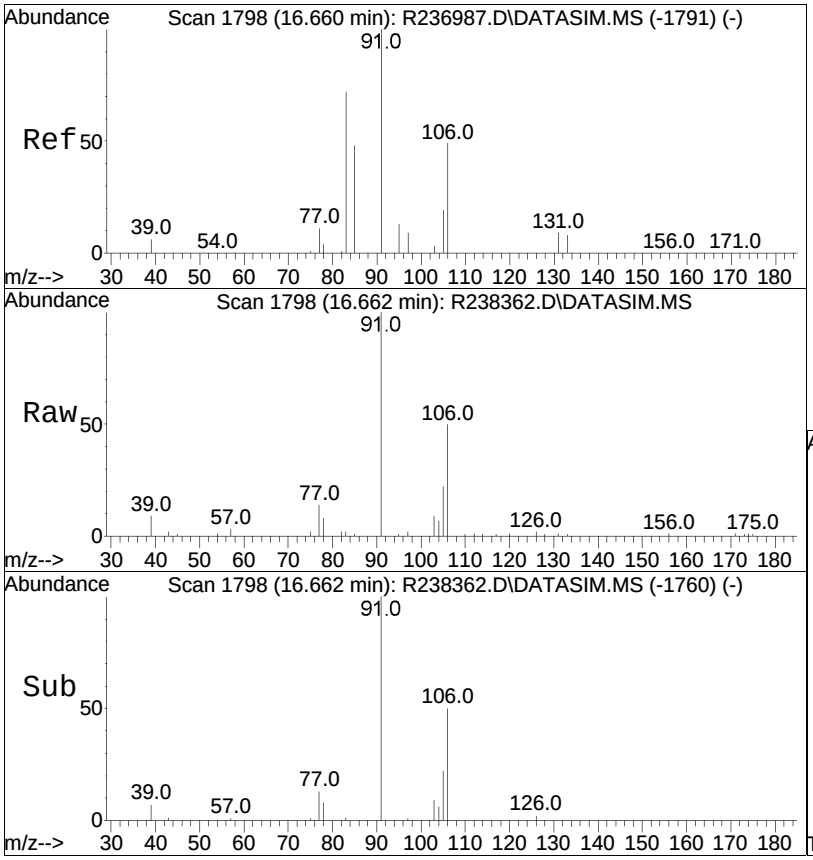


#63
styrene
Concen: 4.11 ppbV
RT: 16.575 min Scan# 1788
Delta R.T. 0.002 min
Lab File: R238362.D
Acq: 03 Feb 2026 03:51 am

Tgt Ion:104 Resp: 224965

Ion	Ratio	Lower	Upper
104	100		
103	47.9	38.2	57.4
78	35.7	29.8	44.8

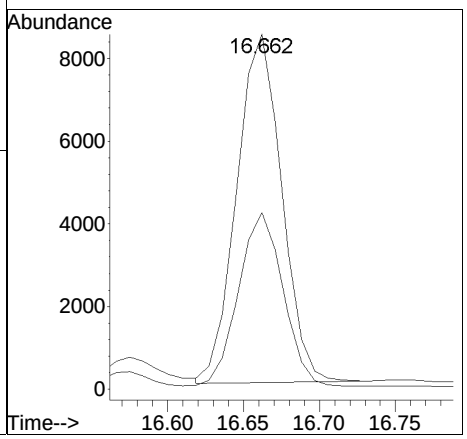


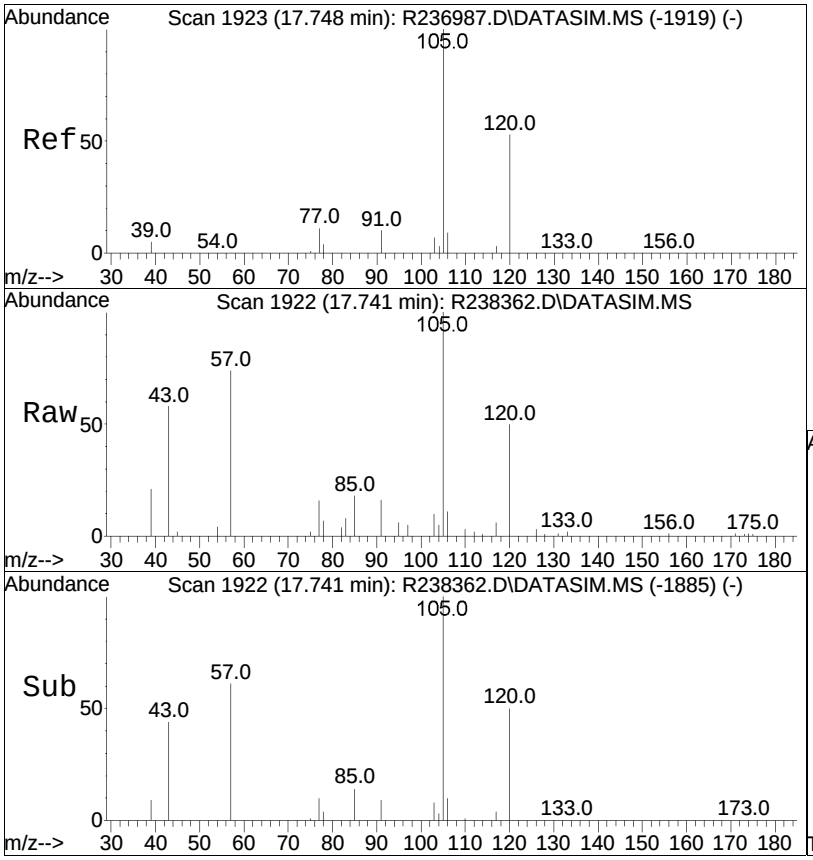


#65
o-xylene
Concen: 0.24 ppbV
RT: 16.662 min Scan# 1798
Delta R.T. 0.002 min
Lab File: R238362.D
Acq: 03 Feb 2026 03:51 am

Tgt Ion: 91 Resp: 17375

Ion	Ratio	Lower	Upper
91	100		
106	49.8	39.2	58.8

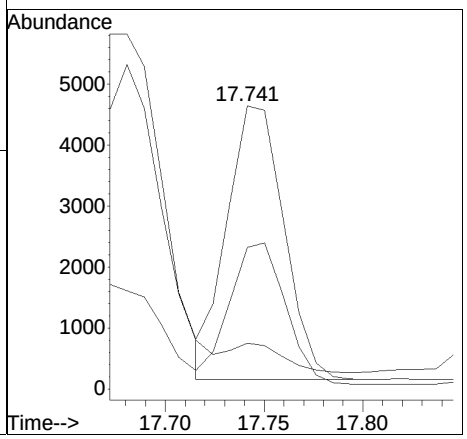


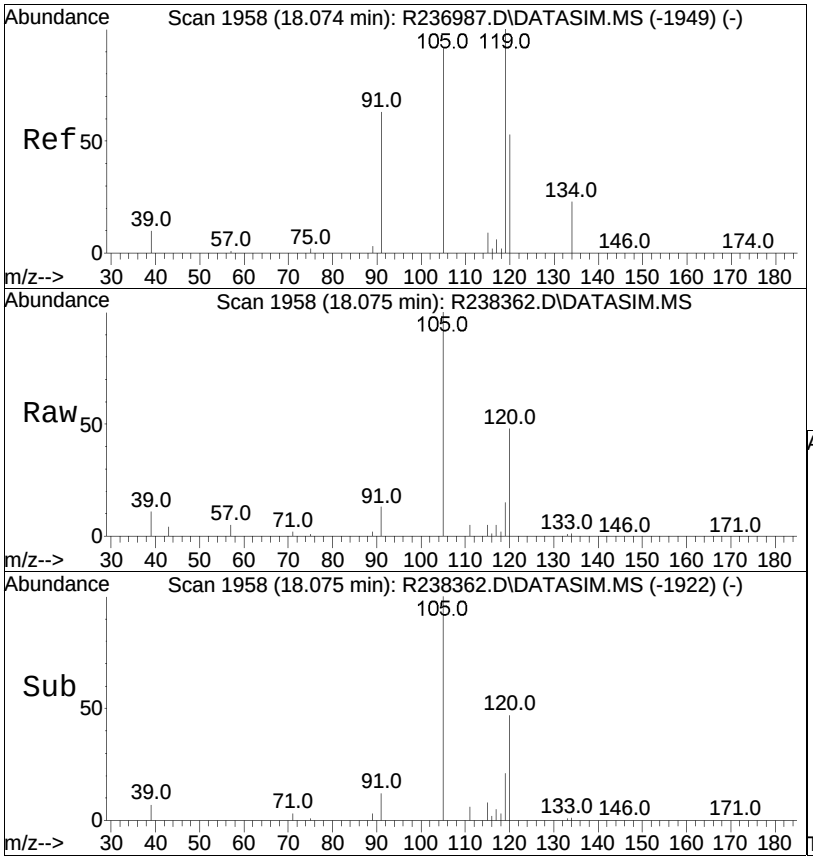


#71
1,3,5-trimethylbenzene
Concen: 0.11 ppbV
RT: 17.741 min Scan# 1922
Delta R.T. -0.006 min
Lab File: R238362.D
Acq: 03 Feb 2026 03:51 am

Tgt Ion:105 Resp: 8987

Ion	Ratio	Lower	Upper
105	100		
120	50.1	41.3	61.9
91	16.3	8.2	12.2#

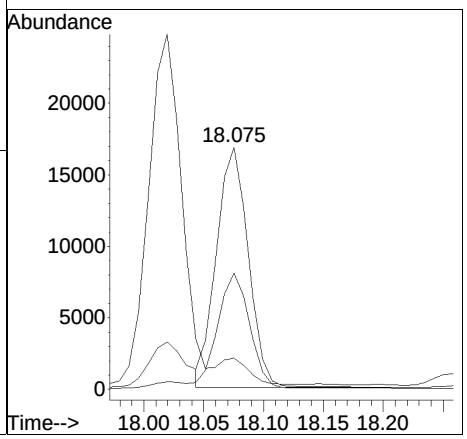


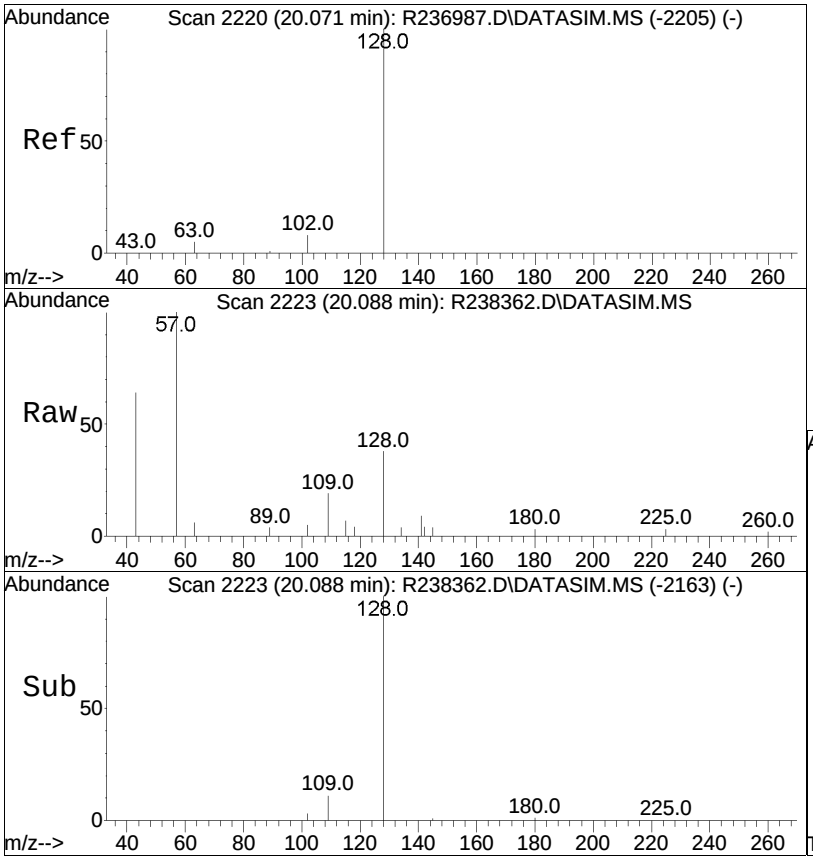


#73
1,2,4-trimethylbenzene
Concen: 0.37 ppbV
RT: 18.075 min Scan# 1958
Delta R.T. 0.002 min
Lab File: R238362.D
Acq: 03 Feb 2026 03:51 am

Tgt Ion:105 Resp: 31054

Ion	Ratio	Lower	Upper
105	100		
120	48.0	45.9	68.9
91	12.9	55.2	82.8#

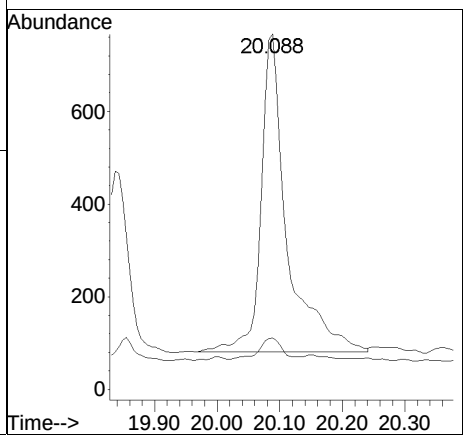




#83
naphthalene
Concen: 0.02 ppbV
RT: 20.088 min Scan# 2223
Delta R.T. 0.017 min
Lab File: R238362.D
Acq: 03 Feb 2026 03:51 am

Tgt Ion:128 Resp: 1992

Ion	Ratio	Lower	Upper
128	100		
102	14.5	6.5	9.7#



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab23\20	QMethod	: TSIM23_251121.M
Data File	: R238362.D	Operator	: AIRLAB23:TPH
Date Inj'd	: 2/3/2026 3:51 am	Instrument	: Airlab23
Sample	: L2603846-04,3,250,250	Quant Date	: 2/3/2026 7:42 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238364.D
Acq On : 03 Feb 2026 05:04 am
Operator : AIRLAB23:TPH
Sample : L2603846-01D,3,13.05,250
Misc : WG2171514,ICAL22841
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 03 07:42:51 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2026\02\0202SIM\R238353.D
Sub List : 1,,,NYDEC-SIM - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.872	49	234205	10.000	ppbV	0.00
Standard Area = 256103			Recovery = 91.45%			
33) 1,4-difluorobenzene	11.058	114	780719	10.000	ppbV	0.00
Standard Area = 957969			Recovery = 81.50%			
51) chlorobenzene-D5	15.736	54	102875	10.000	ppbV	0.00
Standard Area = 117966			Recovery = 87.21%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	3.870	85	1475	0.023	ppbV	90
4) chloromethane	4.046	50	665	0.037	ppbV #	75
5) Freon-114	0.000		0	N.D.		
6) vinyl chloride	0.000		0	N.D.		
8) bromomethane	0.000		0	N.D.		
9) chloroethane	0.000		0	N.D.		
10) ethanol	5.000	31	62747	7.050	ppbV	90
14) trichlorofluoromethane	5.673	101	824	0.012	ppbV	93
17) 1,1-dichloroethene	0.000		0	N.D. d		
18) tertiary butyl alcohol	0.000		0	N.D. d		
19) methylene chloride	6.506	49	757M4	0.035	ppbV	
22) Freon 113	6.798		0	N.D.		
23) trans-1,2-dichloroethene	7.537	61	2739	0.101	ppbV	95
24) 1,1-dichloroethane	0.000		0	N.D.		
25) MTBE	7.797		0	N.D.		
27) 2-butanone	8.209	43	9684	0.334	ppbV	95
28) cis-1,2-dichloroethene	8.693	61	1238	0.042	ppbV	94
30) chloroform	9.027		0	N.D.		
32) 1,2-dichloroethane	0.000		0	N.D.		
34) hexane	8.937	57	615	0.032	ppbV #	16
36) 1,1,1-trichloroethane	10.135		0	N.D.		
37) benzene	10.643	78	1444	0.026	ppbV #	73
38) carbon tetrachloride	10.813		0	N.D.		
39) cyclohexane	10.945		0	N.D.		
41) 1,2-dichloropropane	0.000		0	N.D.		
42) bromodichloromethane	0.000		0	N.D. d		
43) 1,4-dioxane	0.000		0	N.D.		
44) trichloroethene	11.850	130	6847	0.204	ppbV	98

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238364.D
Acq On : 03 Feb 2026 05:04 am
Operator : AIRLAB23:TPH
Sample : L2603846-01D,3,13.05,250
Misc : WG2171514,ICAL22841
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 03 07:42:51 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2026\02\0202SIM\R238353.D
Sub List : 1,,,NYDEC-SIM - .

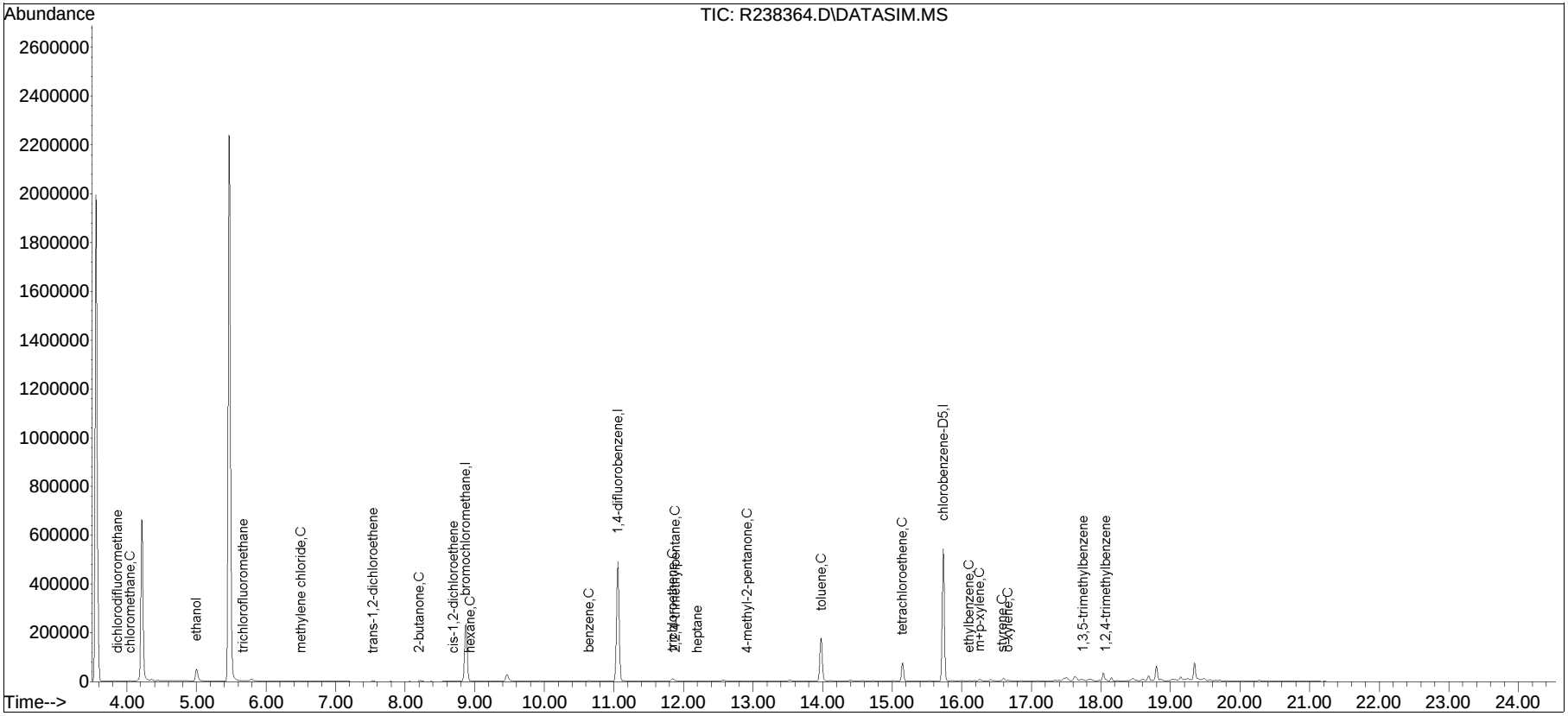
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 2,2,4-trimethylpentane	11.887	57	2256	0.038	ppbV #	83
46) heptane	12.198	43	802	0.045	ppbV #	84
47) cis-1,3-dichloropropene	0.000		0	N.D.		
48) 4-methyl-2-pentanone	12.922	43	632	0.023	ppbV #	92
49) trans-1,3-dichloropropene	0.000		0	N.D.		
50) 1,1,2-trichloroethane	0.000		0	N.D.	d	
52) toluene	13.981	91	235591	3.232	ppbV	98
55) dibromochloromethane	0.000		0	N.D.		
56) 1,2-dibromoethane	0.000		0	N.D.		
57) tetrachloroethene	15.149	166	57709	1.216	ppbV	97
59) chlorobenzene	15.788		0	N.D.		
60) ethylbenzene	16.110	91	3446	0.037	ppbV	97
61) m+p-xylene	16.258	91	8427	0.119	ppbV	98
62) bromoform	0.000		0	N.D.		
63) styrene	16.580	104	1126	0.021	ppbV #	87
64) 1,1,2,2-tetrachloroethane	16.702		0	N.D.		
65) o-xylene	16.667	91	3689	0.051	ppbV	98
71) 1,3,5-trimethylbenzene	17.747	105	1043	0.013	ppbV #	84
73) 1,2,4-trimethylbenzene	18.072	105	4698M3	0.056	ppbV	
74) Benzyl Chloride	0.000		0	N.D.	d	
75) 1,3-dichlorobenzene	0.000		0	N.D.		
76) 1,4-dichlorobenzene	0.000		0	N.D.		
79) 1,2-dichlorobenzene	0.000		0	N.D.		
82) 1,2,4-trichlorobenzene	0.000		0	N.D.		
83) naphthalene	20.099		0	N.D.		
85) hexachlorobutadiene	0.000		0	N.D.		

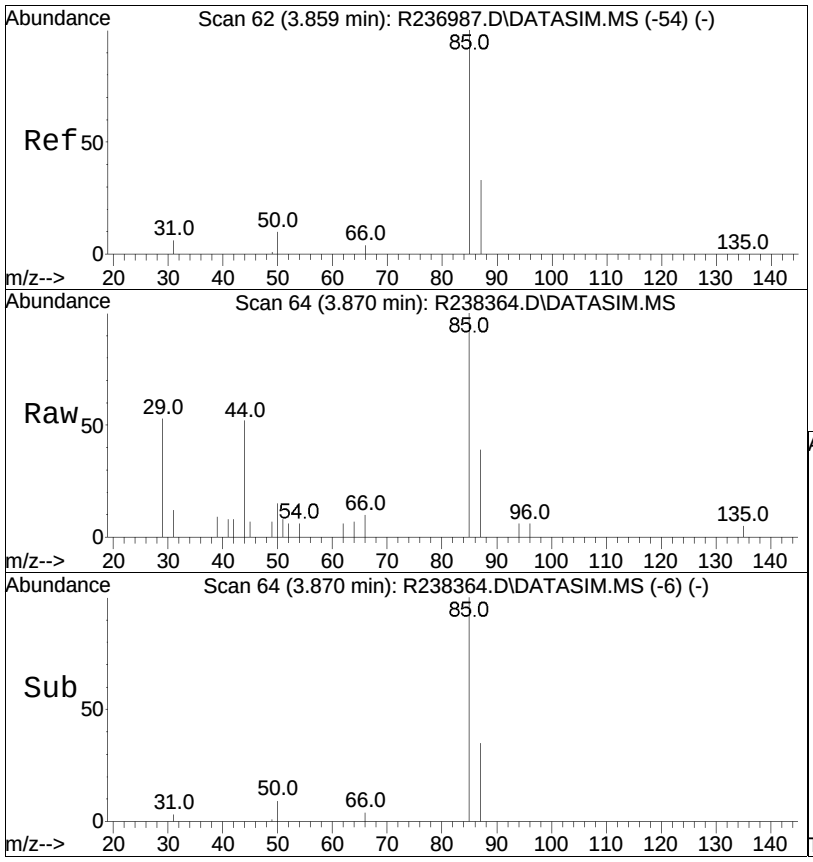
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 1,,,NYDEC-SIM - .rlab23\2026\02\0202SIM\R238353.D

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238364.D
Acq On : 03 Feb 2026 05:04 am
Operator : AIRLAB23:TPH
Sample : L2603846-01D,3,13.05,250
Misc : WG2171514,ICAL22841
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 03 07:42:51 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

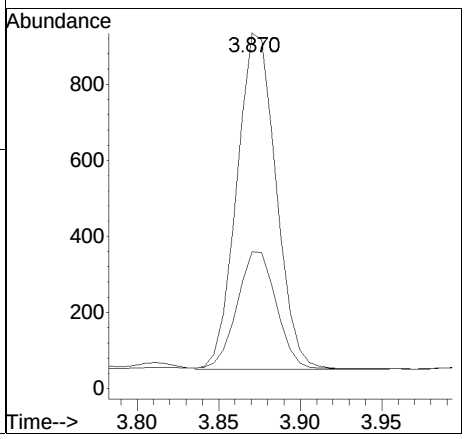


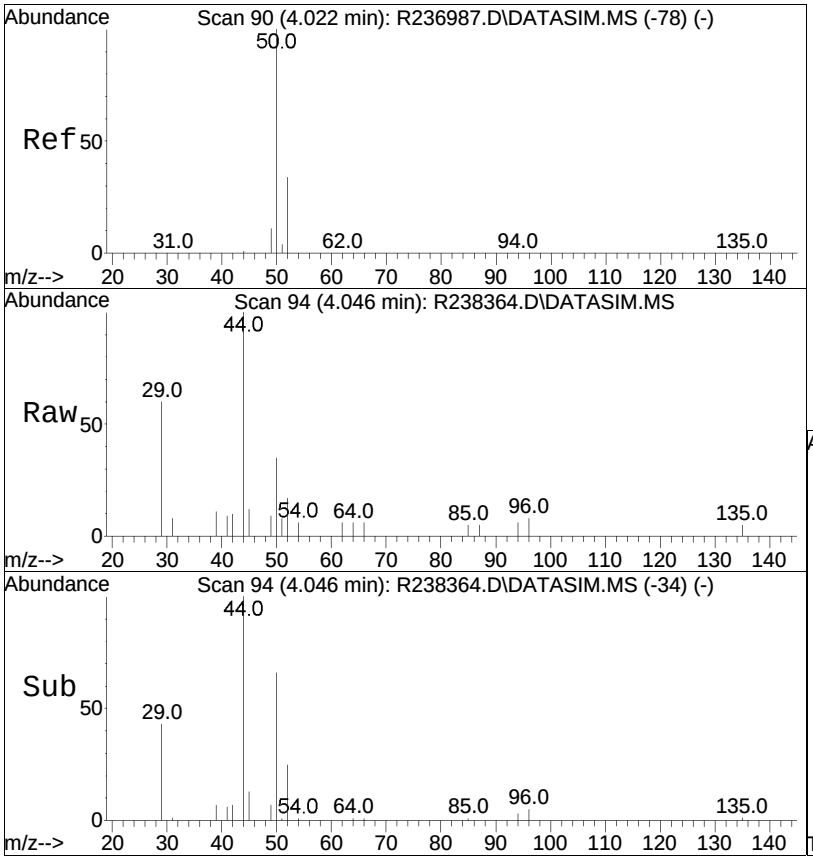


#3
dichlorodifluoromethane
Concen: 0.02 ppbV
RT: 3.870 min Scan# 64
Delta R.T. 0.012 min
Lab File: R238364.D
Acq: 03 Feb 2026 05:04 am

Tgt Ion: 85 Resp: 1475

Ion	Ratio	Lower	Upper
85	100		
87	38.5	26.3	39.5

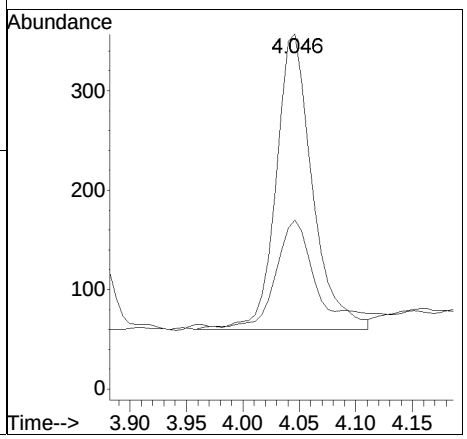


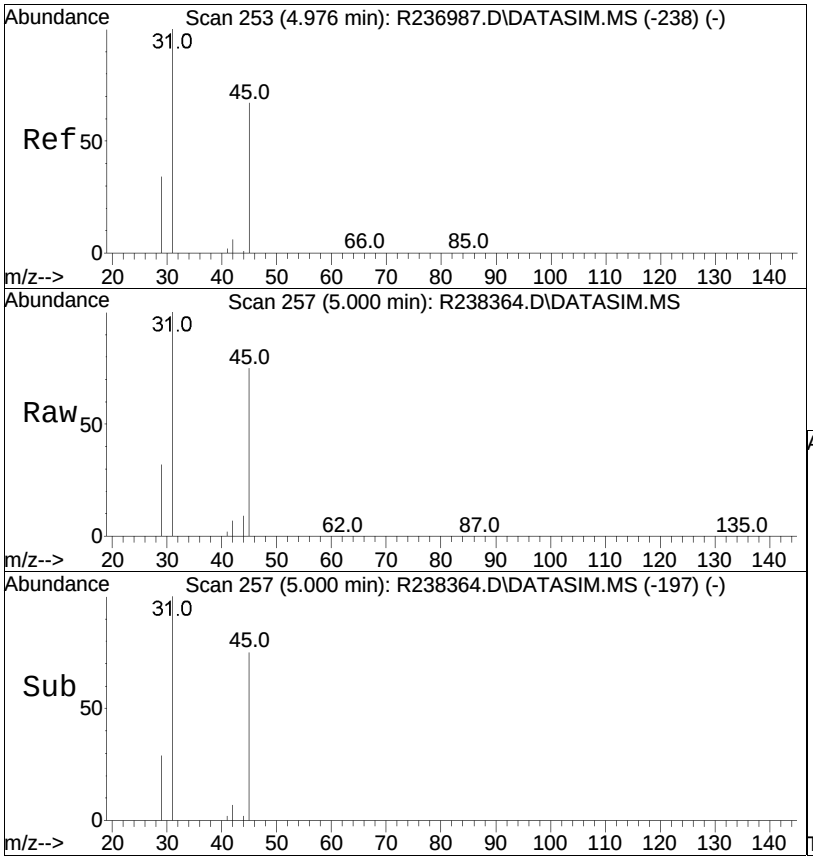


#4
chloromethane
Concen: 0.04 ppbV
RT: 4.046 min Scan# 94
Delta R.T. 0.024 min
Lab File: R238364.D
Acq: 03 Feb 2026 05:04 am

Tgt Ion: 50 Resp: 665

Ion	Ratio	Lower	Upper
50	100		
52	47.6	26.9	40.3#

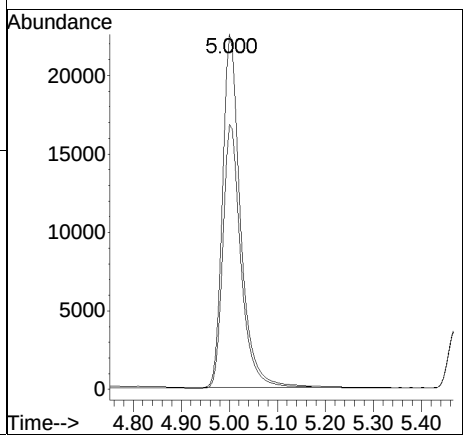


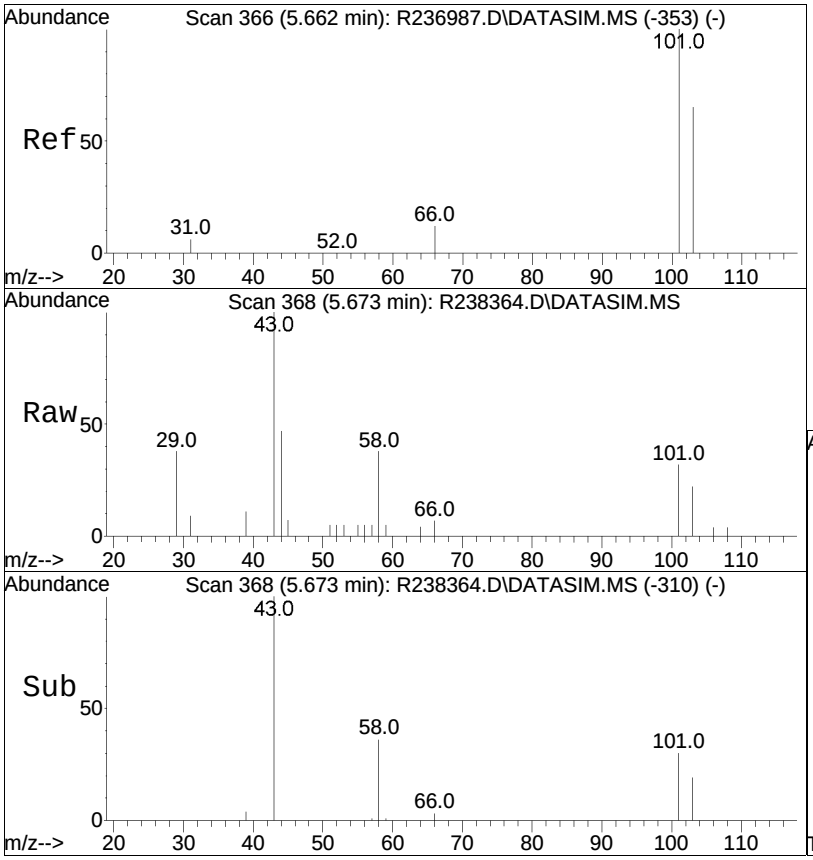


#10
ethanol
Concen: 7.05 ppbV
RT: 5.000 min Scan# 257
Delta R.T. 0.024 min
Lab File: R238364.D
Acq: 03 Feb 2026 05:04 am

Tgt Ion: 31 Resp: 62747

Ion	Ratio	Lower	Upper
31	100		
45	74.6	53.5	80.3

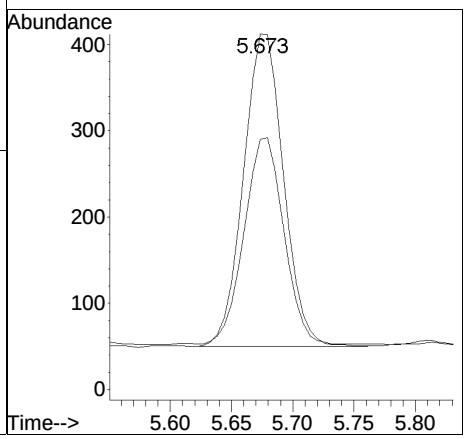


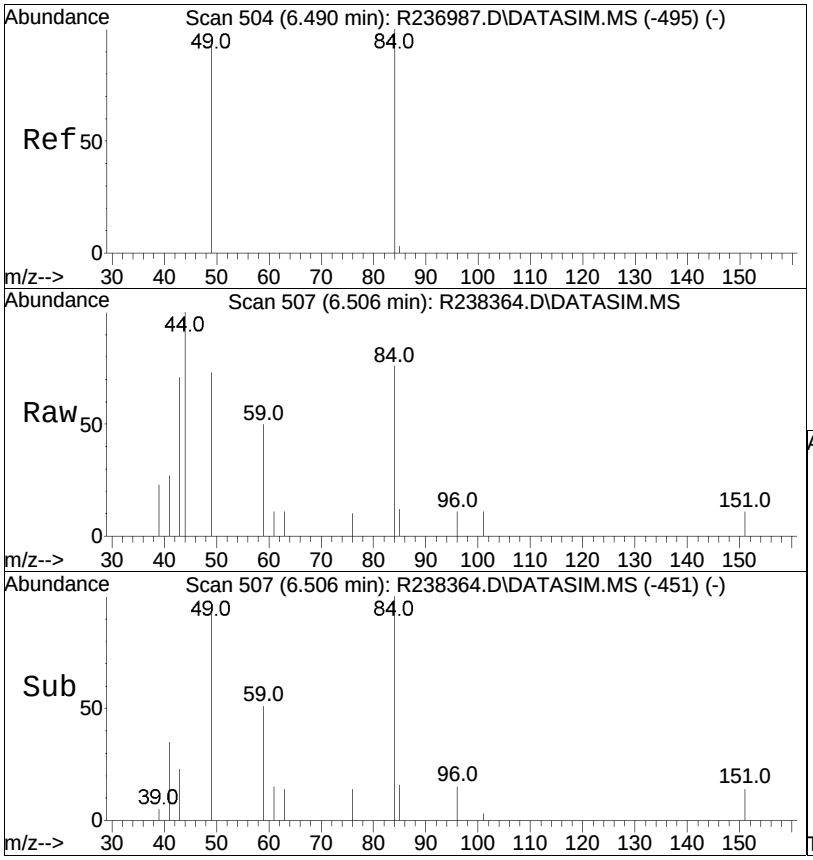


#14
trichlorofluoromethane
Concen: 0.01 ppbV
RT: 5.673 min Scan# 368
Delta R.T. 0.012 min
Lab File: R238364.D
Acq: 03 Feb 2026 05:04 am

Tgt Ion:101 Resp: 824

Ion	Ratio	Lower	Upper
101	100		
103	70.4	52.1	78.1

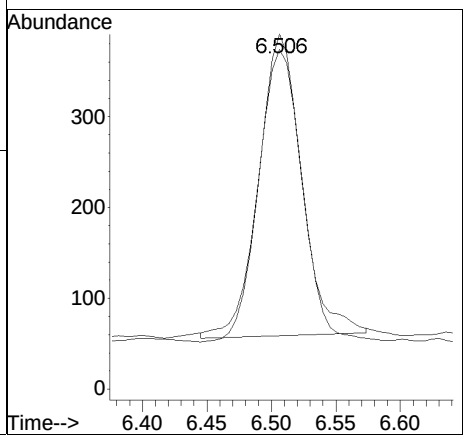


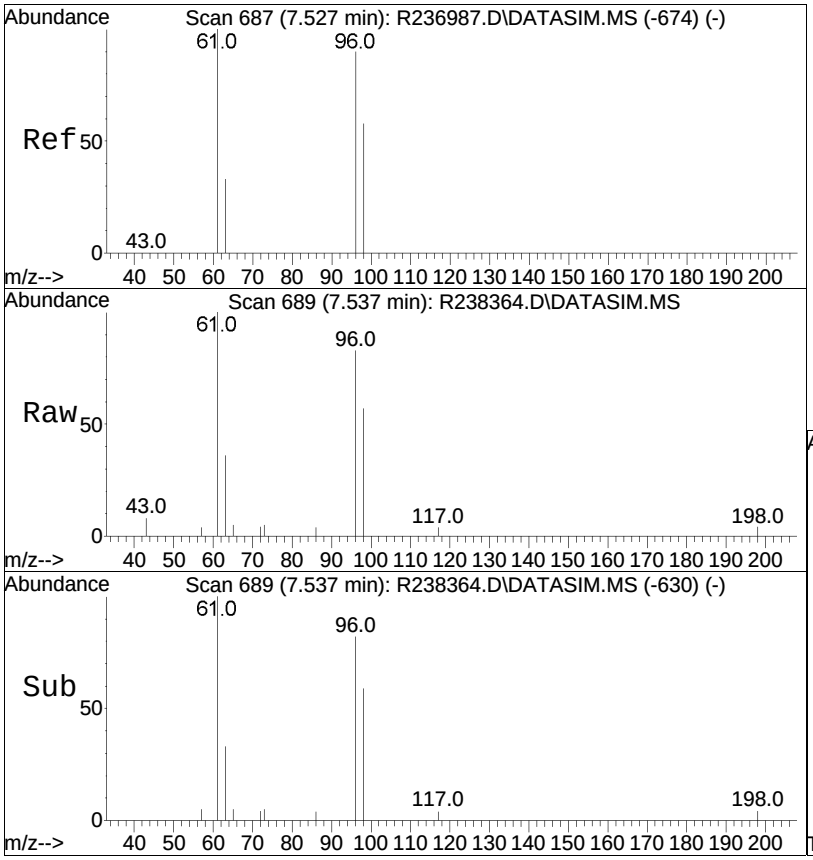


#19
methylene chloride
Concen: 0.03 ppbV m
RT: 6.506 min Scan# 507
Delta R.T. 0.016 min
Lab File: R238364.D
Acq: 03 Feb 2026 05:04 am

Tgt Ion: 49 Resp: 757

Ion	Ratio	Lower	Upper
49	100		
84	104.5	83.5	125.3

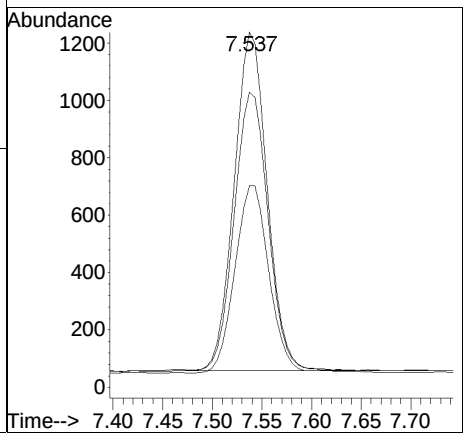


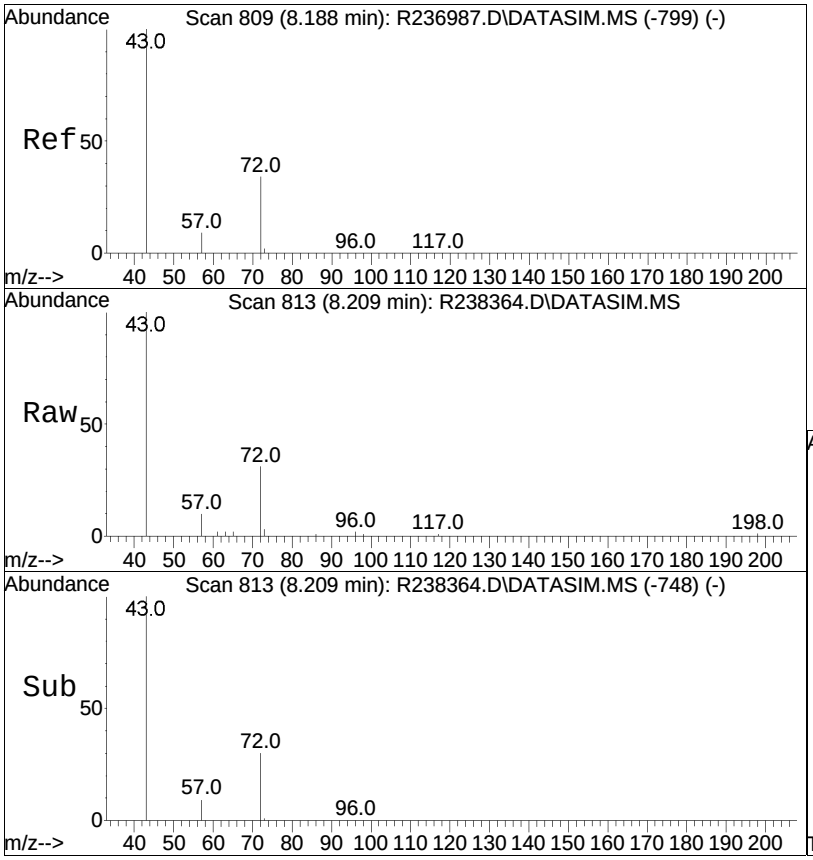


#23
trans-1,2-dichloroethene
Concen: 0.10 ppbV
RT: 7.537 min Scan# 689
Delta R.T. 0.010 min
Lab File: R238364.D
Acq: 03 Feb 2026 05:04 am

Tgt Ion: 61 Resp: 2739

Ion	Ratio	Lower	Upper
61	100		
96	83.1	71.8	107.8
98	56.8	46.2	69.2

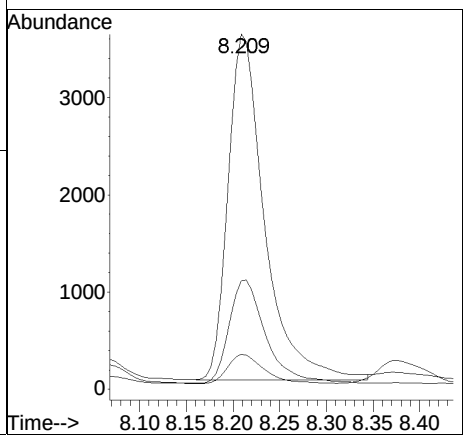


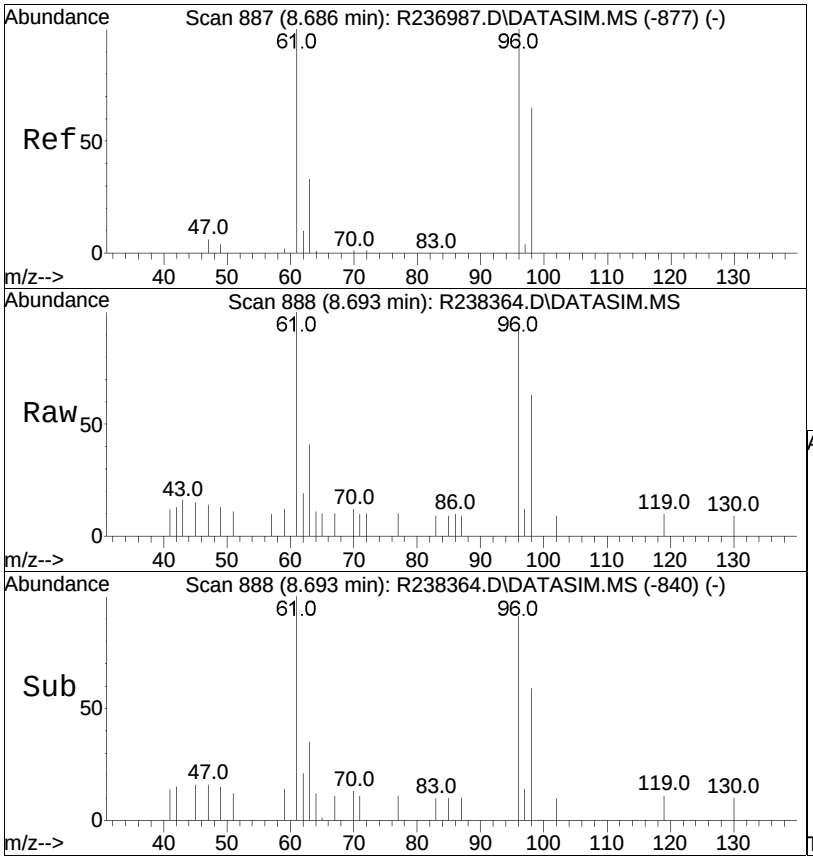


#27
2-butanone
Concen: 0.33 ppbV
RT: 8.209 min Scan# 813
Delta R.T. 0.021 min
Lab File: R238364.D
Acq: 03 Feb 2026 05:04 am

Tgt Ion: 43 Resp: 9684

Ion	Ratio	Lower	Upper
43	100		
72	30.5	27.0	40.4
57	9.9	7.7	11.5

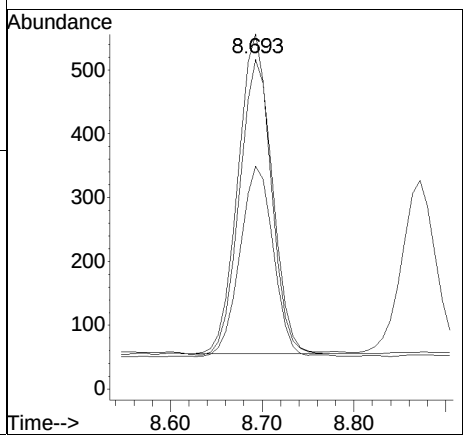


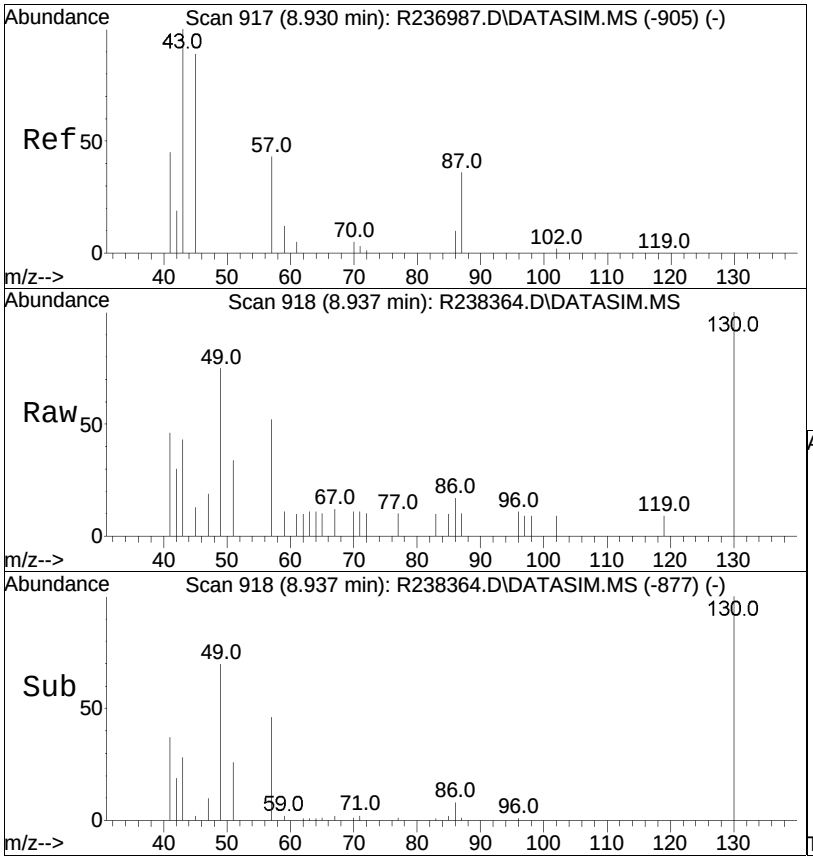


#28
cis-1,2-dichloroethene
Concen: 0.04 ppbV
RT: 8.693 min Scan# 888
Delta R.T. 0.007 min
Lab File: R238364.D
Acq: 03 Feb 2026 05:04 am

Tgt Ion: 61 Resp: 1238

Ion	Ratio	Lower	Upper
61	100		
96	92.8	80.4	120.6
98	62.8	52.0	78.0

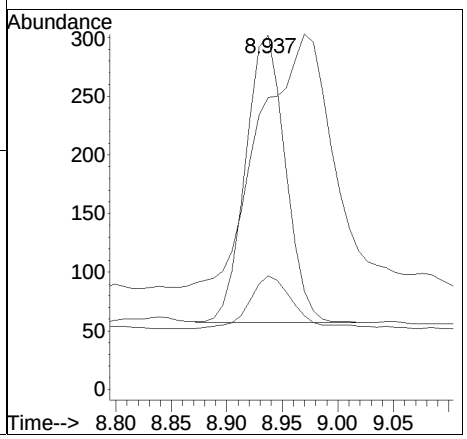


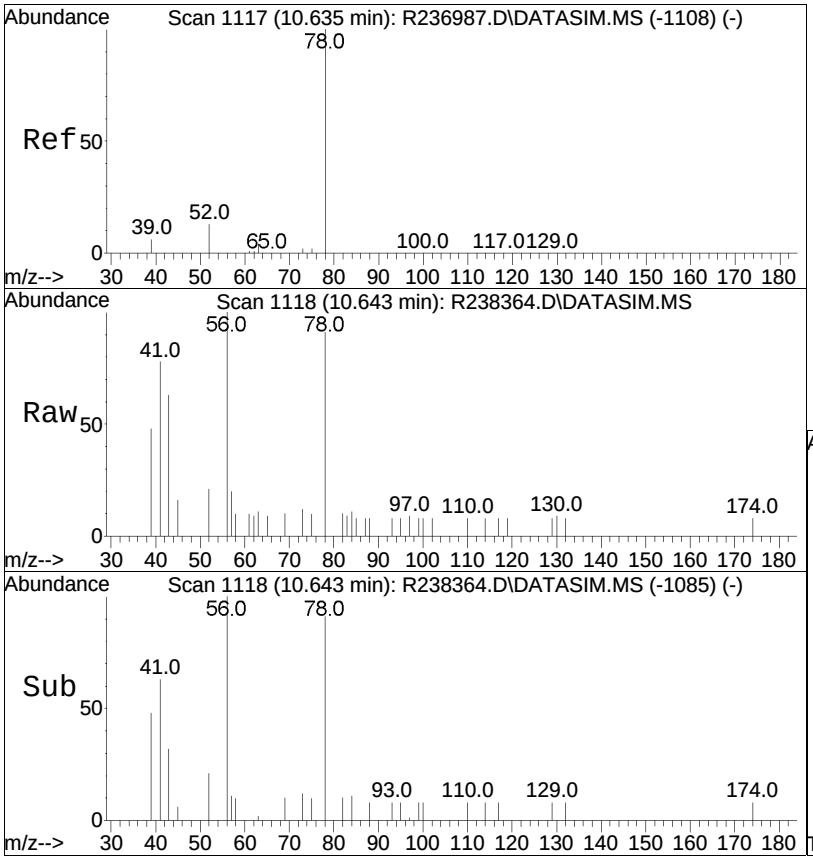


#34
hexane
Concen: 0.03 ppbV
RT: 8.937 min Scan# 918
Delta R.T. 0.007 min
Lab File: R238364.D
Acq: 03 Feb 2026 05:04 am

Tgt Ion: 57 Resp: 615

Ion	Ratio	Lower	Upper
57	100		
43	82.5	186.2	279.4#
86	32.1	17.8	26.8#

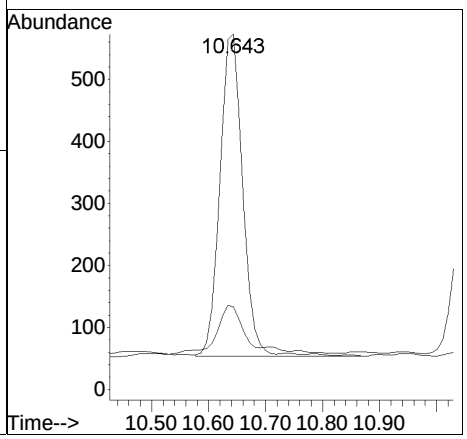


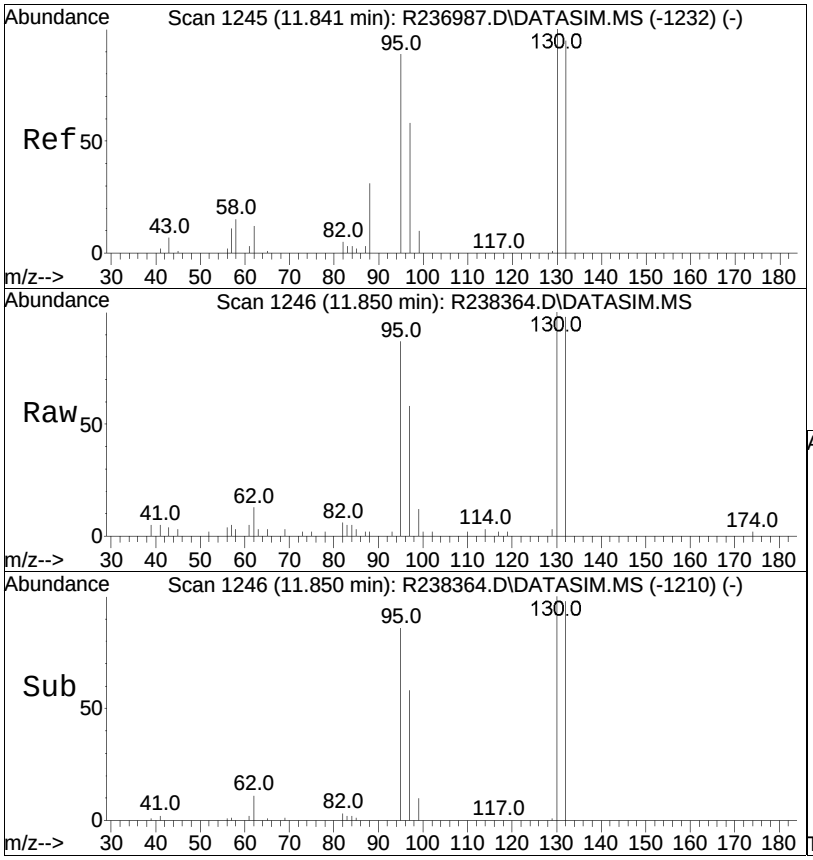


#37
benzene
Concen: 0.03 ppbV
RT: 10.643 min Scan# 1118
Delta R.T. 0.008 min
Lab File: R238364.D
Acq: 03 Feb 2026 05:04 am

Tgt Ion: 78 Resp: 1444

Ion	Ratio	Lower	Upper
78	100		
52	23.2	10.2	15.2#

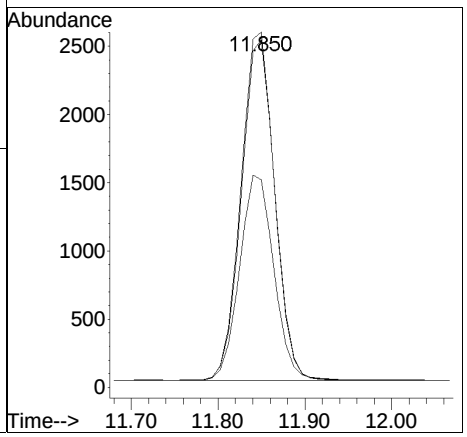


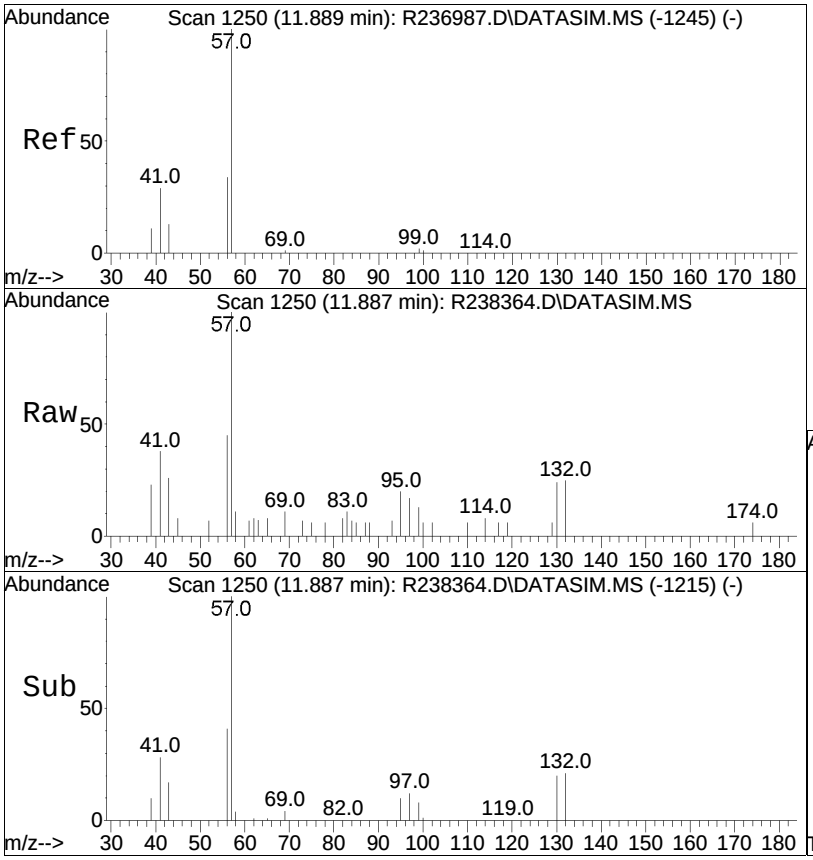


#44
trichloroethene
Concen: 0.20 ppbV
RT: 11.850 min Scan# 1246
Delta R.T. 0.008 min
Lab File: R238364.D
Acq: 03 Feb 2026 05:04 am

Tgt Ion:130 Resp: 6847

Ion	Ratio	Lower	Upper
130	100		
132	97.8	76.4	114.6
97	58.4	46.3	69.5

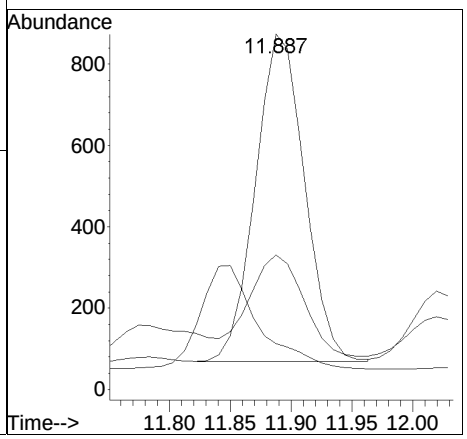


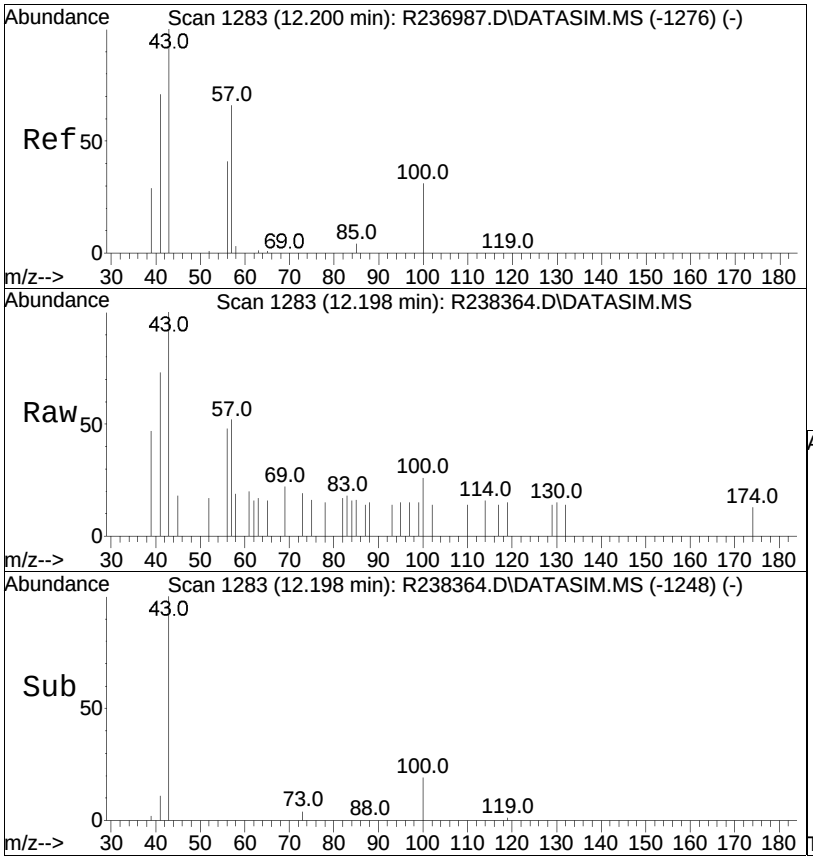


#45
2,2,4-trimethylpentane
Concen: 0.04 ppbV
RT: 11.887 min Scan# 1250
Delta R.T. -0.001 min
Lab File: R238364.D
Acq: 03 Feb 2026 05:04 am

Tgt Ion: 57 Resp: 2256

Ion	Ratio	Lower	Upper
57	100		
99	12.9	6.7	10.1#
41	37.9	22.7	34.1#

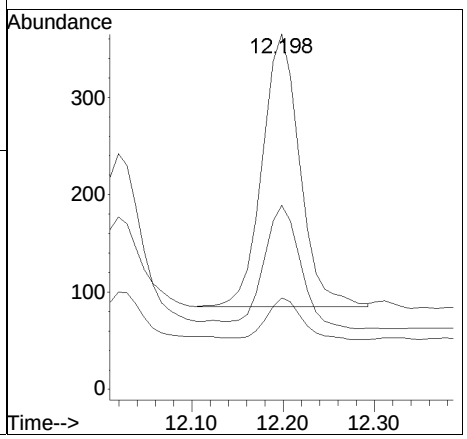


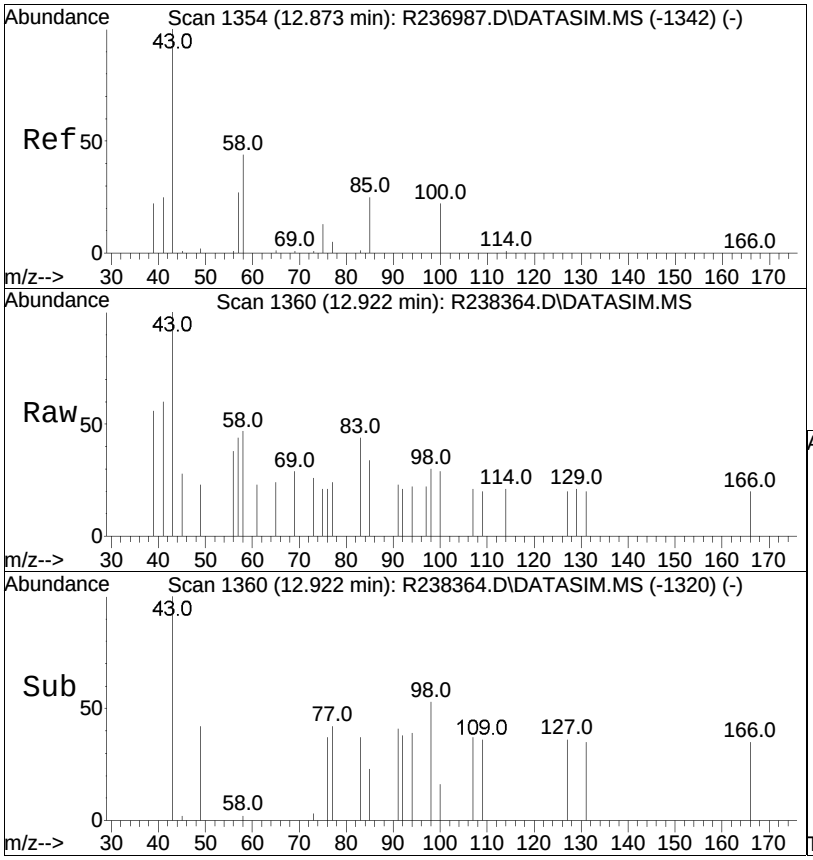


#46
heptane
Concen: 0.04 ppbV
RT: 12.198 min Scan# 1283
Delta R.T. -0.001 min
Lab File: R238364.D
Acq: 03 Feb 2026 05:04 am

Tgt Ion: 43 Resp: 802

Ion	Ratio	Lower	Upper
43	100		
57	51.8	52.5	78.7#
100	25.8	26.0	39.0#

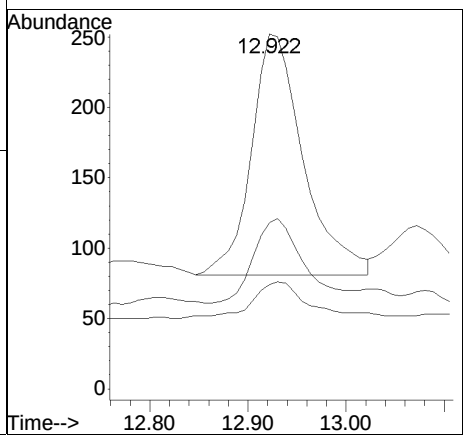


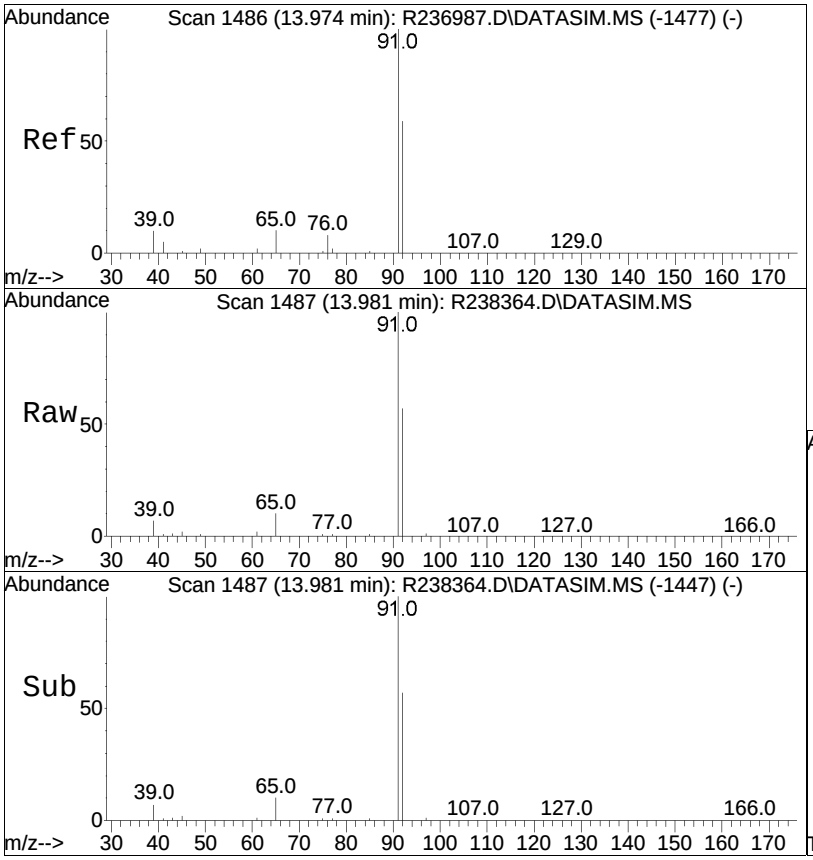


#48
4-methyl-2-pentanone
Concen: 0.02 ppbV
RT: 12.922 min Scan# 1360
Delta R.T. 0.049 min
Lab File: R238364.D
Acq: 03 Feb 2026 05:04 am

Tgt Ion: 43 Resp: 632

Ion	Ratio	Lower	Upper
43	100		
58	46.8	35.0	52.6
100	29.4	17.9	26.9#

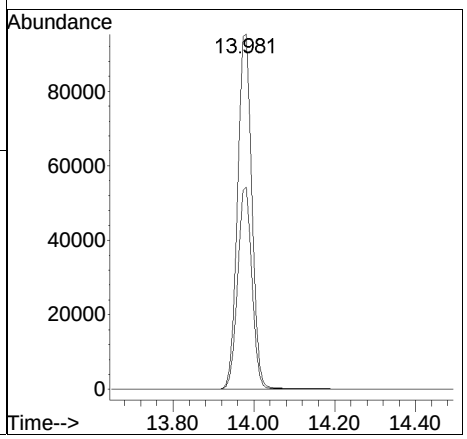


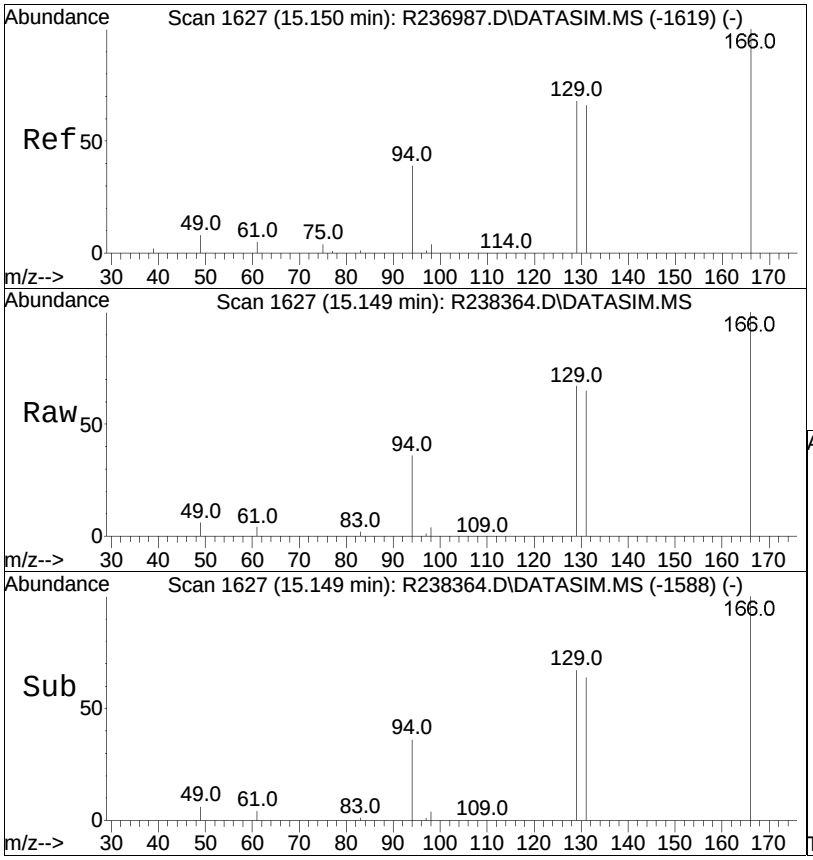


#52
toluene
Concen: 3.23 ppbV
RT: 13.981 min Scan# 1487
Delta R.T. 0.007 min
Lab File: R238364.D
Acq: 03 Feb 2026 05:04 am

Tgt Ion: 91 Resp: 235591

Ion	Ratio	Lower	Upper
91	100		
92	56.9	46.8	70.2

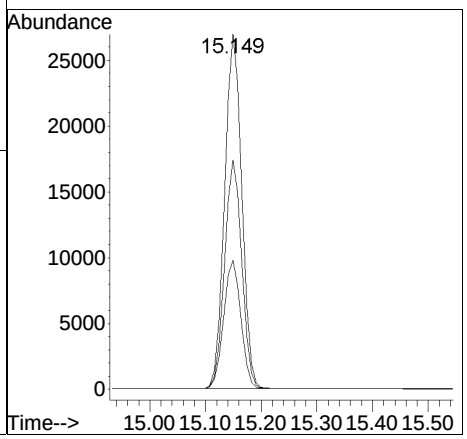


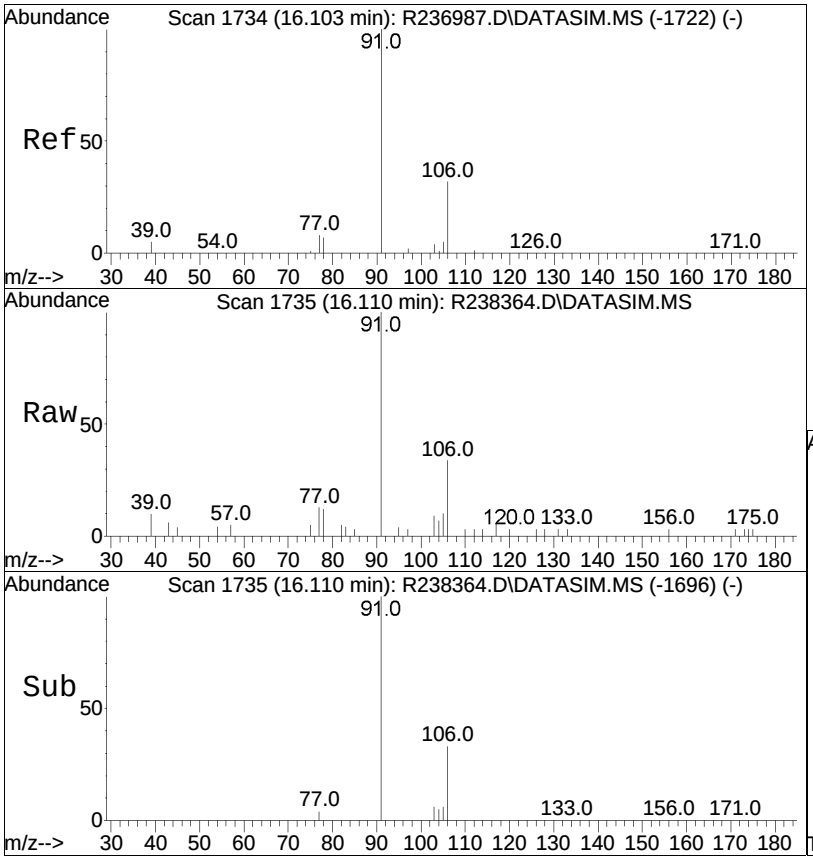


#57
tetrachloroethene
Concen: 1.22 ppbV
RT: 15.149 min Scan# 1627
Delta R.T. -0.001 min
Lab File: R238364.D
Acq: 03 Feb 2026 05:04 am

Tgt Ion:166 Resp: 57709

Ion	Ratio	Lower	Upper
166	100		
131	64.5	53.0	79.6
94	36.4	31.0	46.6

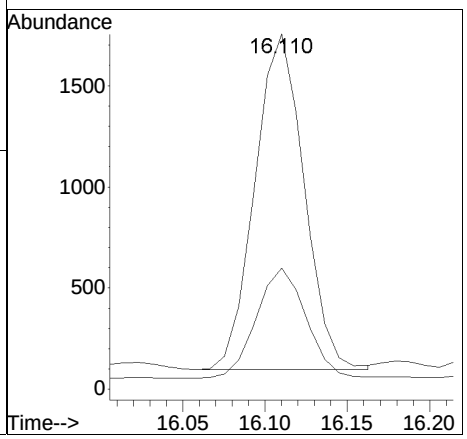


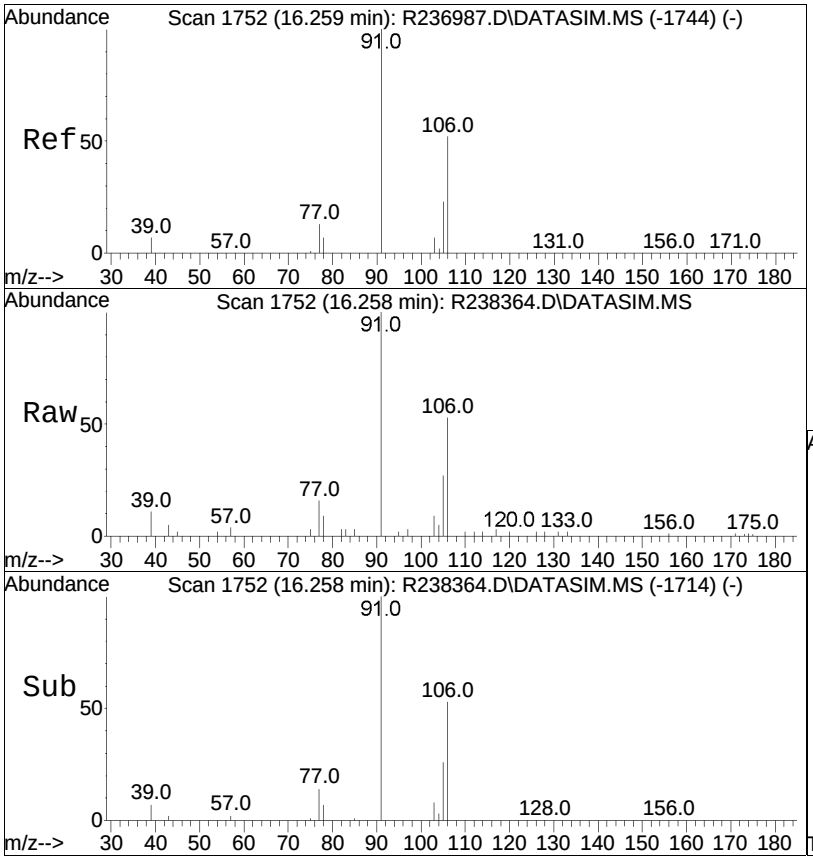


#60
ethylbenzene
Concen: 0.04 ppbV
RT: 16.110 min Scan# 1735
Delta R.T. 0.008 min
Lab File: R238364.D
Acq: 03 Feb 2026 05:04 am

Tgt Ion: 91 Resp: 3446

Ion	Ratio	Lower	Upper
91	100		
106	34.1	25.8	38.8

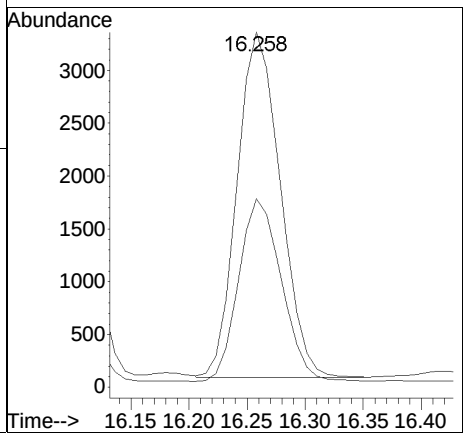


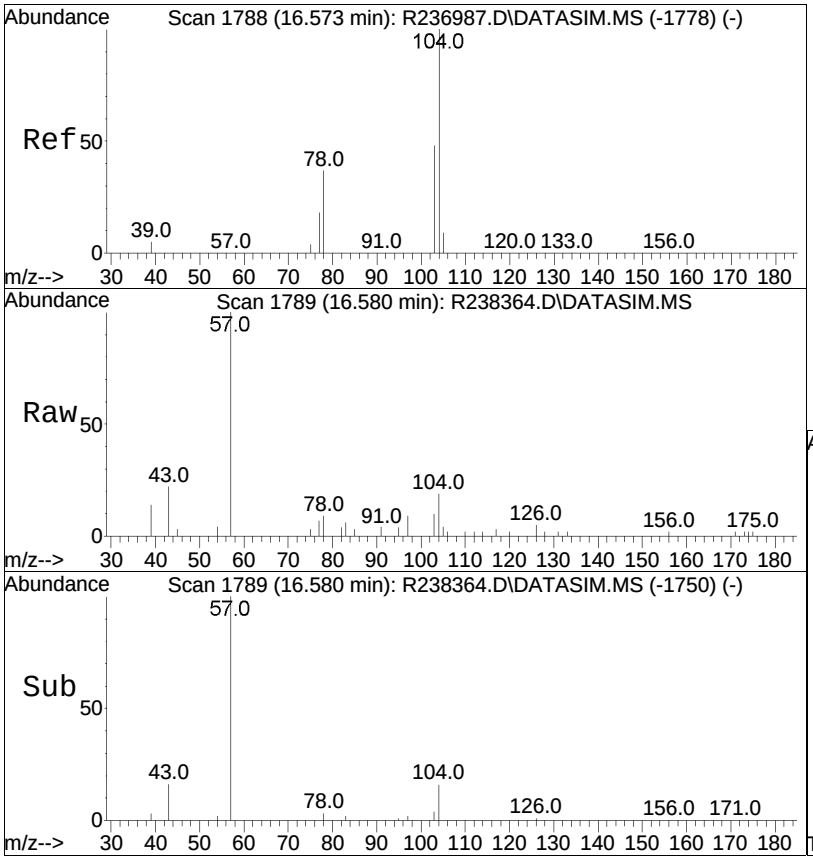


#61
m+p-xylene
Concen: 0.12 ppbV
RT: 16.258 min Scan# 1752
Delta R.T. -0.001 min
Lab File: R238364.D
Acq: 03 Feb 2026 05:04 am

Tgt Ion: 91 Resp: 8427

Ion	Ratio	Lower	Upper
91	100		
106	53.1	41.5	62.3

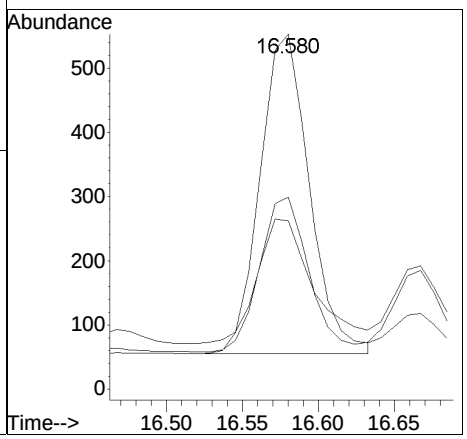


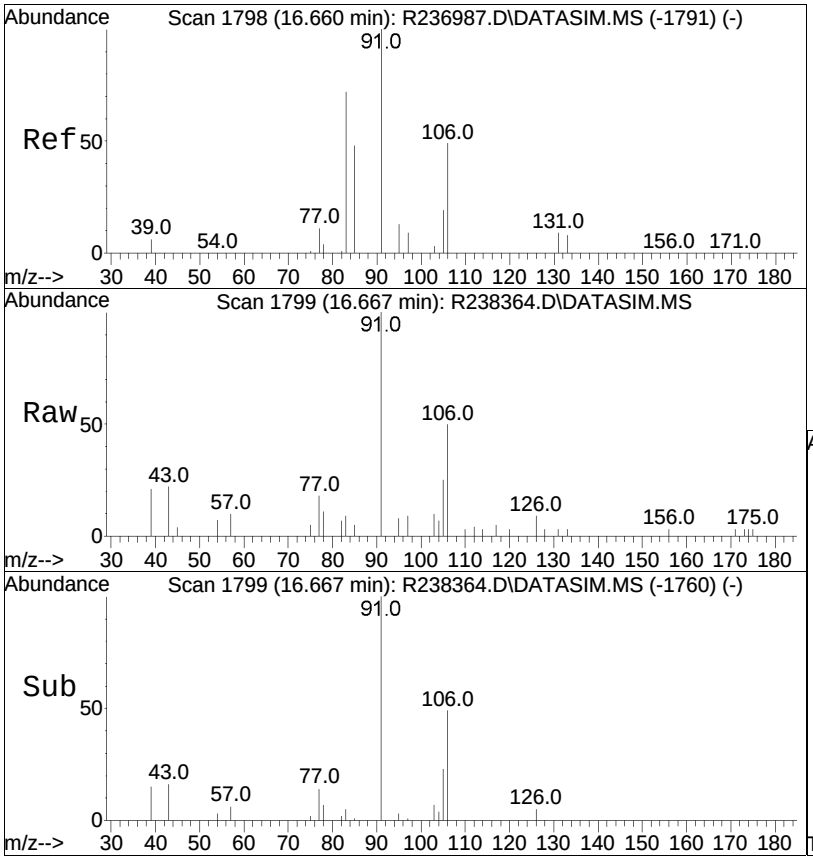


#63
styrene
Concen: 0.02 ppbV
RT: 16.580 min Scan# 1789
Delta R.T. 0.008 min
Lab File: R238364.D
Acq: 03 Feb 2026 05:04 am

Tgt Ion:104 Resp: 1126

Ion	Ratio	Lower	Upper
104	100		
103	54.1	38.2	57.4
78	47.4	29.8	44.8#

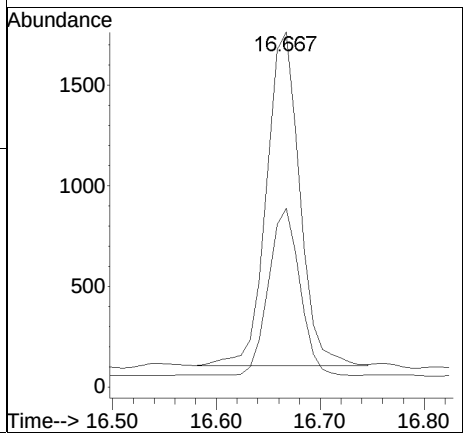


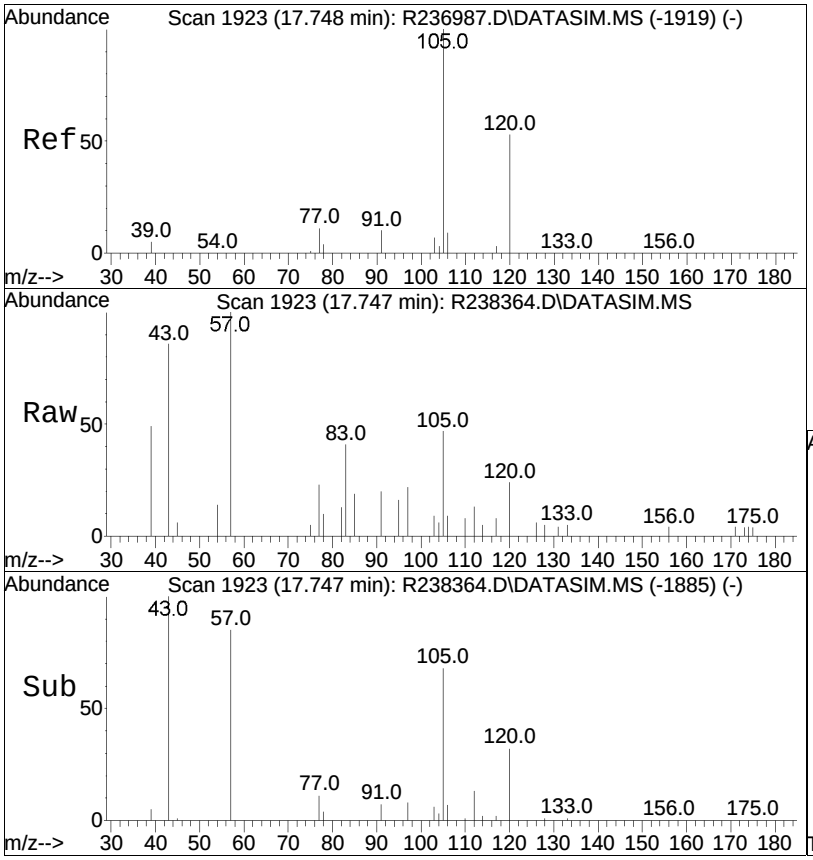


#65
o-xylene
Concen: 0.05 ppbV
RT: 16.667 min Scan# 1799
Delta R.T. 0.008 min
Lab File: R238364.D
Acq: 03 Feb 2026 05:04 am

Tgt Ion: 91 Resp: 3689

Ion	Ratio	Lower	Upper
91	100		
106	50.4	39.2	58.8

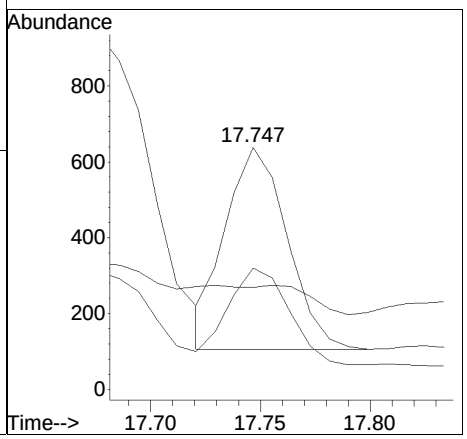


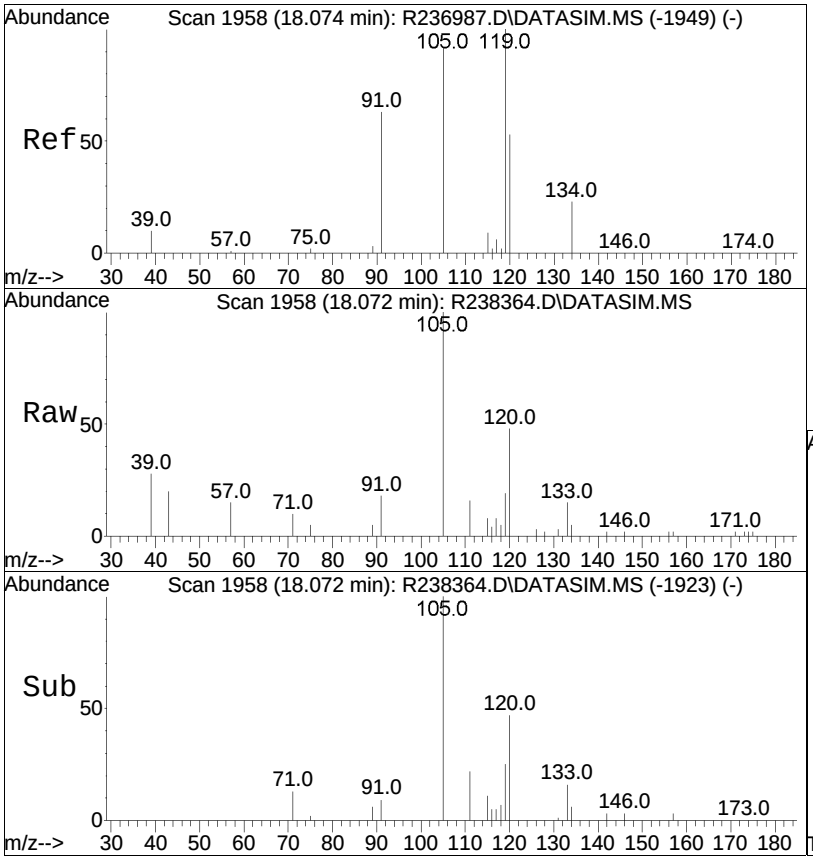


#71
1,3,5-trimethylbenzene
Concen: 0.01 ppbV
RT: 17.747 min Scan# 1923
Delta R.T. -0.001 min
Lab File: R238364.D
Acq: 03 Feb 2026 05:04 am

Tgt Ion:105 Resp: 1043

Ion	Ratio	Lower	Upper
105	100		
120	50.2	41.3	61.9
91	42.2	8.2	12.2#

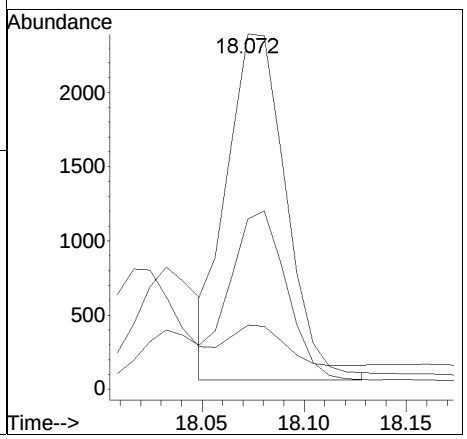




#73
1,2,4-trimethylbenzene
Concen: 0.06 ppbV m
RT: 18.072 min Scan# 1958
Delta R.T. -0.001 min
Lab File: R238364.D
Acq: 03 Feb 2026 05:04 am

Tgt Ion:105 Resp: 4698

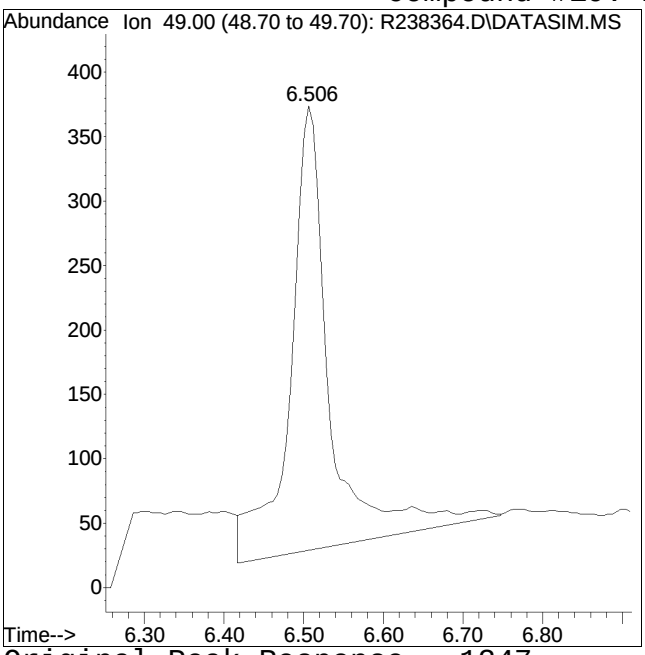
Ion	Ratio	Lower	Upper
105	100		
120	48.0	45.9	68.9
91	18.1	55.2	82.8#



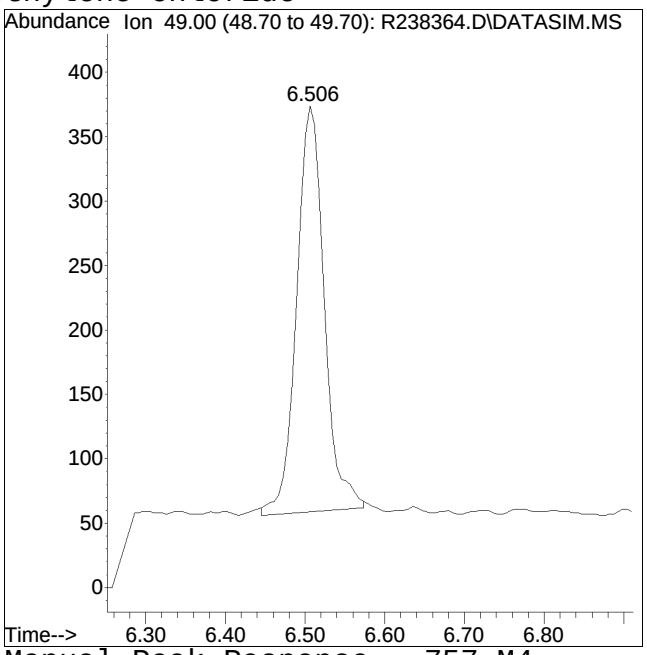
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R238364.D Operator : AIRLAB23:TPH
Date Inj'd : 2/3/2026 5:04 am Instrument : Airlab23
Sample : L2603846-01D,3,13.05,250 Quant Date : 2/3/2026 7:42 am

Compound #19: methylene chloride



Original Peak Response = 1247



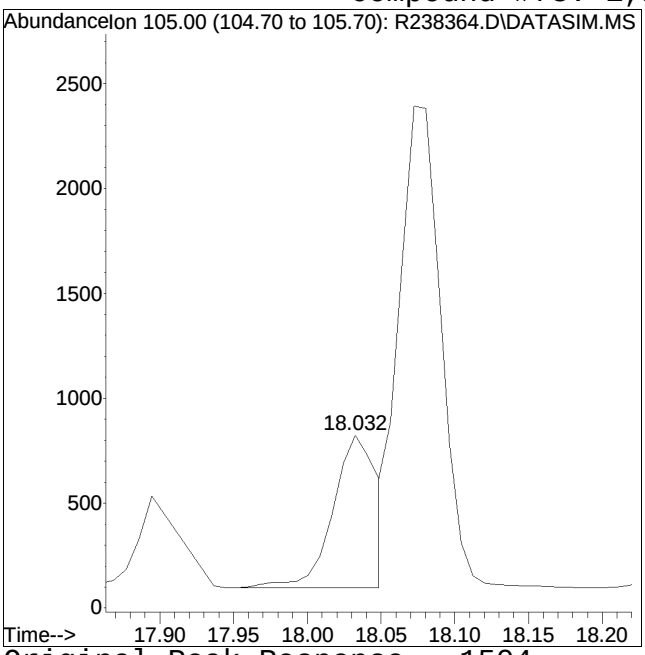
Manual Peak Response = 757 M4

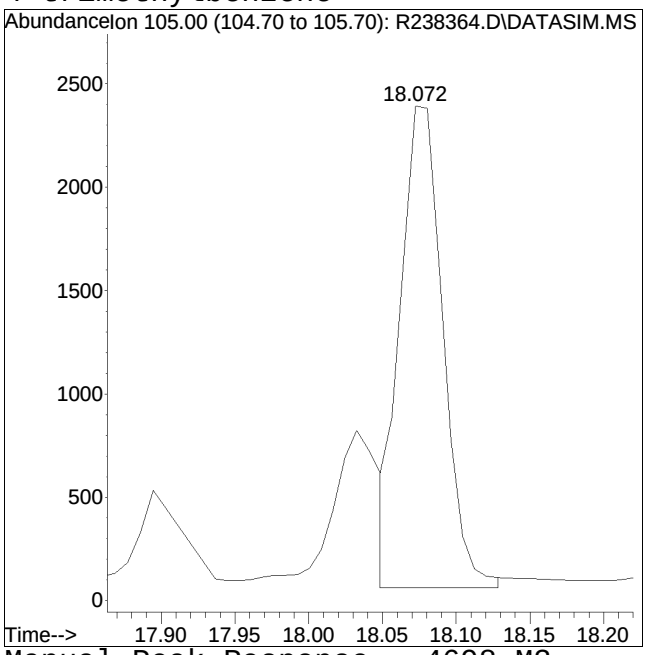
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R238364.D Operator : AIRLAB23:TPH
Date Inj'd : 2/3/2026 5:04 am Instrument : Airlab23
Sample : L2603846-01D,3,13.05,250 Quant Date : 2/3/2026 7:42 am

Compound #73: 1,2,4-trimethylbenzene





Original Peak Response = 1504 Manual Peak Response = 4698 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 : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238365.D
Acq On : 03 Feb 2026 05:46 am
Operator : AIRLAB23:TPH
Sample : L2603846-03,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 03 07:43:02 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2026\02\0202SIM\R238353.D
Sub List : 1,,,NYDEC-SIM - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.870	49	234878	10.000	ppbV	0.00
Standard Area = 256103			Recovery =		91.71%	
33) 1,4-difluorobenzene	11.055	114	808193	10.000	ppbV	0.00
Standard Area = 957969			Recovery =		84.37%	
51) chlorobenzene-D5	15.734	54	107420	10.000	ppbV	0.00
Standard Area = 117966			Recovery =		91.06%	
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	3.870	85	24093	0.368	ppbV	100
4) chloromethane	4.040	50	4143	0.231	ppbV	97
5) Freon-114	4.140	85	1044	0.013	ppbV	93
6) vinyl chloride	4.262		0	N.D.		
8) bromomethane	0.000		0	N.D.		
9) chloroethane	4.854	64	297	0.022	ppbV #	58
10) ethanol	5.070	31	128577	14.406	ppbV	91
14) trichlorofluoromethane	5.673	101	14189	0.205	ppbV	100
17) 1,1-dichloroethene	0.000		0	N.D.	d	
18) tertiary butyl alcohol	6.484	59	14083	0.520	ppbV #	67
19) methylene chloride	6.501	49	1861M4	0.085	ppbV	
22) Freon 113	6.804	101	3379	0.061	ppbV	99
23) trans-1,2-dichloroethene	7.538		0	N.D.		
24) 1,1-dichloroethane	0.000		0	N.D.	d	
25) MTBE	0.000		0	N.D.	d	
27) 2-butanone	8.188	43	746787	25.689	ppbV	97
28) cis-1,2-dichloroethene	8.691		0	N.D.		
30) chloroform	9.025	83	66418	1.211	ppbV	99
32) 1,2-dichloroethane	9.840	62	460	0.014	ppbV #	54
34) hexane	8.935	57	12143	0.615	ppbV #	15
36) 1,1,1-trichloroethane	10.125	97	16330	0.316	ppbV	97
37) benzene	10.640	78	26019	0.450	ppbV	98
38) carbon tetrachloride	10.810	117	35882	0.659	ppbV	98
39) cyclohexane	10.951	56	3013	0.151	ppbV	87
41) 1,2-dichloropropane	0.000		0	N.D.		
42) bromodichloromethane	0.000		0	N.D.	d	
43) 1,4-dioxane	0.000		0	N.D.	d	
44) trichloroethene	11.847	130	2337	0.067	ppbV	98

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238365.D
Acq On : 03 Feb 2026 05:46 am
Operator : AIRLAB23:TPH
Sample : L2603846-03,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 03 07:43:02 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2026\02\0202SIM\R238353.D
Sub List : 1,,,NYDEC-SIM - .

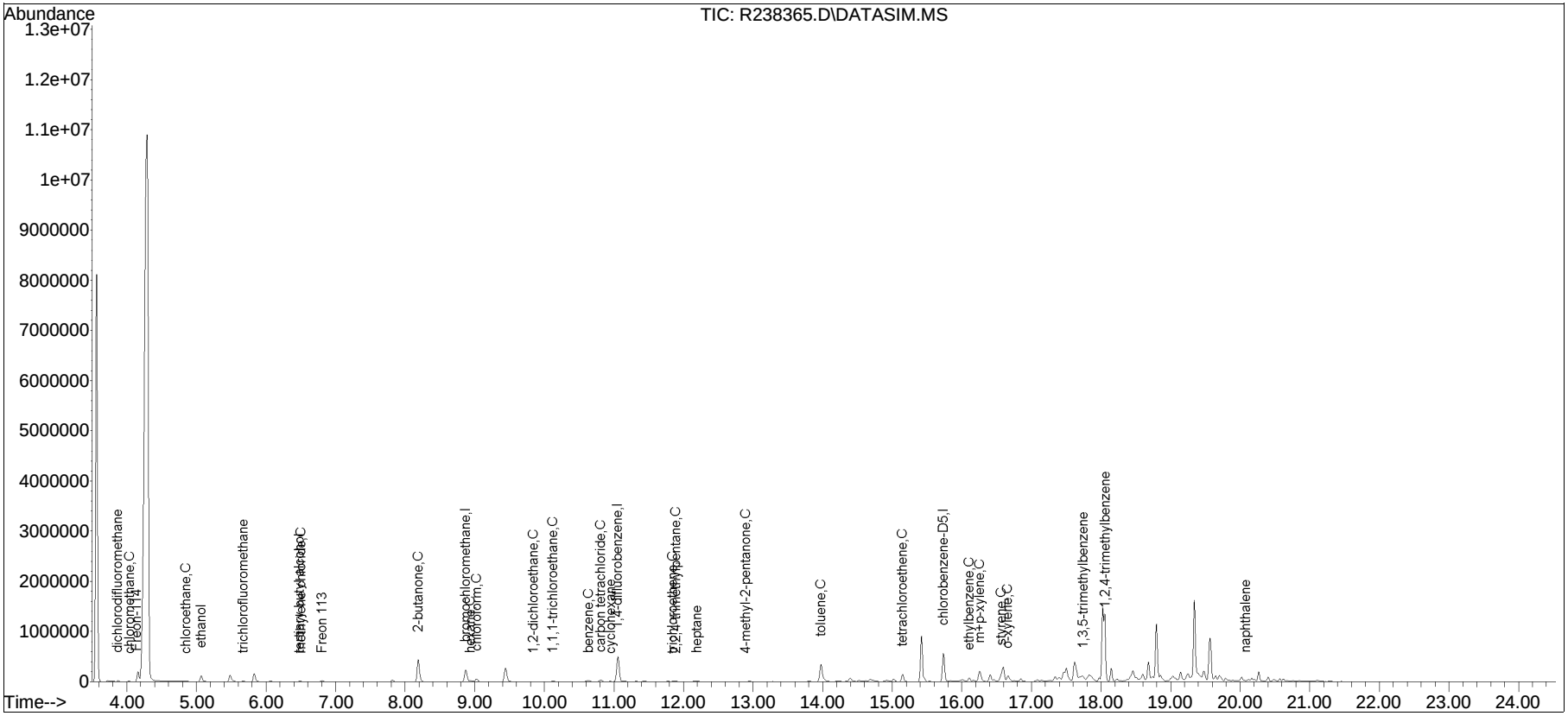
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 2,2,4-trimethylpentane	11.894	57	7067	0.115	ppbV #	82
46) heptane	12.195	43	9959	0.535	ppbV #	92
47) cis-1,3-dichloropropene	0.000		0	N.D.		
48) 4-methyl-2-pentanone	12.895	43	1841	0.064	ppbV	97
49) trans-1,3-dichloropropene	0.000		0	N.D.		
50) 1,1,2-trichloroethane	0.000		0	N.D.		
52) toluene	13.979	91	404713	5.317	ppbV	99
55) dibromochloromethane	0.000		0	N.D.		
56) 1,2-dibromoethane	14.622		0	N.D.		
57) tetrachloroethene	15.147	166	109675	2.214	ppbV	97
59) chlorobenzene	0.000		0	N.D.	d	
60) ethylbenzene	16.108	91	95418	0.970	ppbV	99
61) m+p-xylene	16.256	91	243024	3.279	ppbV	100
62) bromoform	16.326		0	N.D.		
63) styrene	16.569	104	92204	1.616	ppbV	99
64) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	d	
65) o-xylene	16.656	91	89738	1.189	ppbV	98
71) 1,3,5-trimethylbenzene	17.745	105	23077	0.280	ppbV #	97
73) 1,2,4-trimethylbenzene	18.062	105	144281	1.649	ppbV #	54
74) Benzyl Chloride	0.000		0	N.D.	d	
75) 1,3-dichlorobenzene	18.198		0	N.D.		
76) 1,4-dichlorobenzene	18.254		0	N.D.		
79) 1,2-dichlorobenzene	18.533		0	N.D.		
82) 1,2,4-trichlorobenzene	19.968		0	N.D.		
83) naphthalene	20.080	128	9159	0.081	ppbV	97
85) hexachlorobutadiene	20.500		0	N.D.		

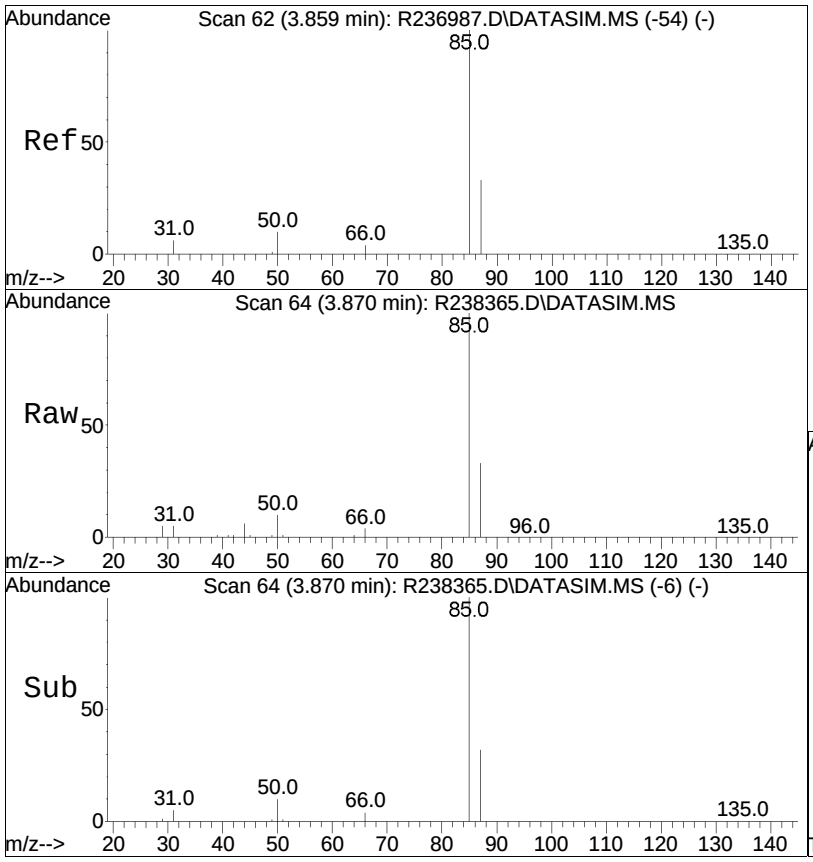
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 1,,,NYDEC-SIM - .rlab23\2026\02\0202SIM\R238353.D

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238365.D
Acq On : 03 Feb 2026 05:46 am
Operator : AIRLAB23:TPH
Sample : L2603846-03,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 03 07:43:02 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

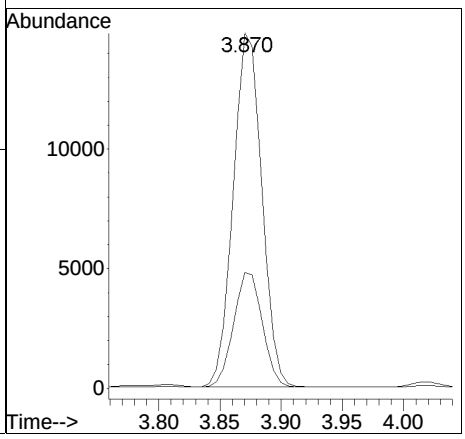


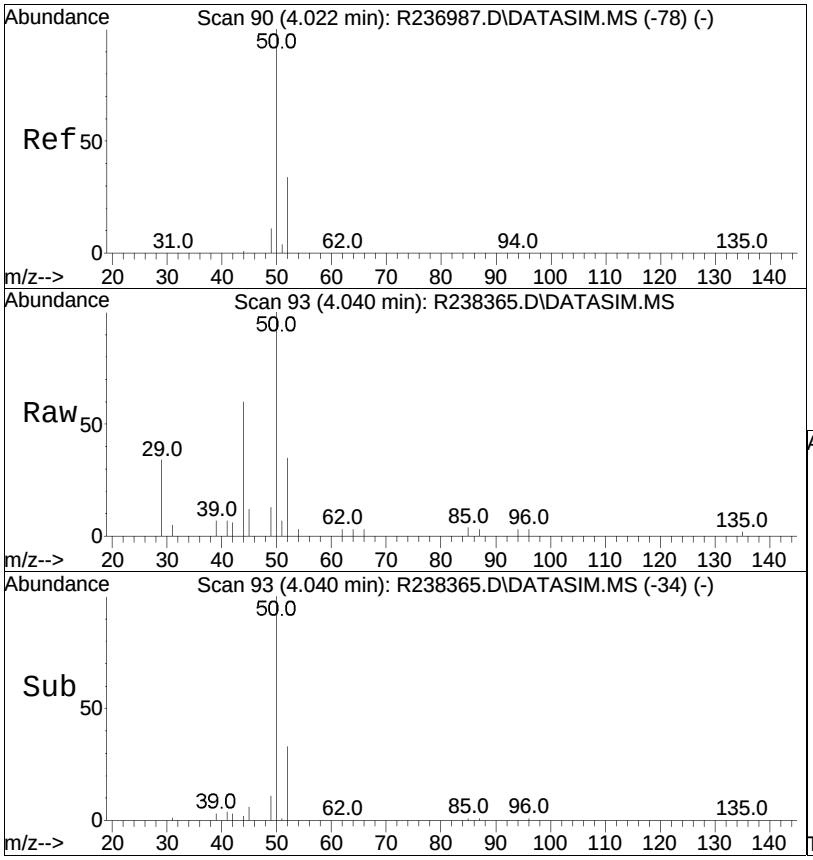


#3
dichlorodifluoromethane
Concen: 0.37 ppbV
RT: 3.870 min Scan# 64
Delta R.T. 0.012 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion: 85 Resp: 24093

Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.3	39.5

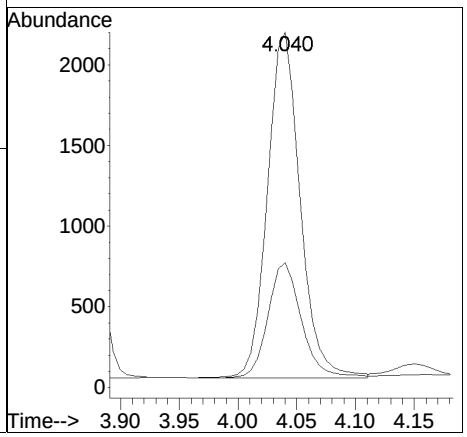


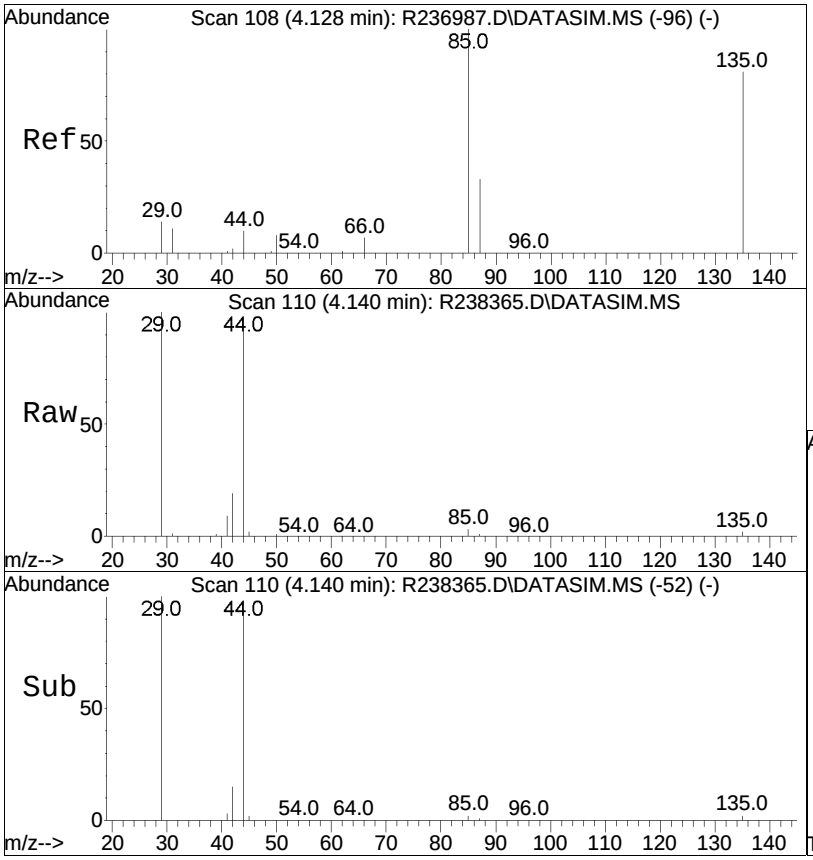


#4
chloromethane
Concen: 0.23 ppbV
RT: 4.040 min Scan# 93
Delta R.T. 0.018 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion: 50 Resp: 4143

Ion	Ratio	Lower	Upper
50	100		
52	35.1	26.9	40.3

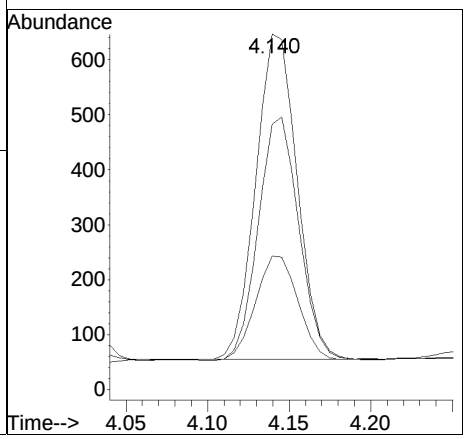


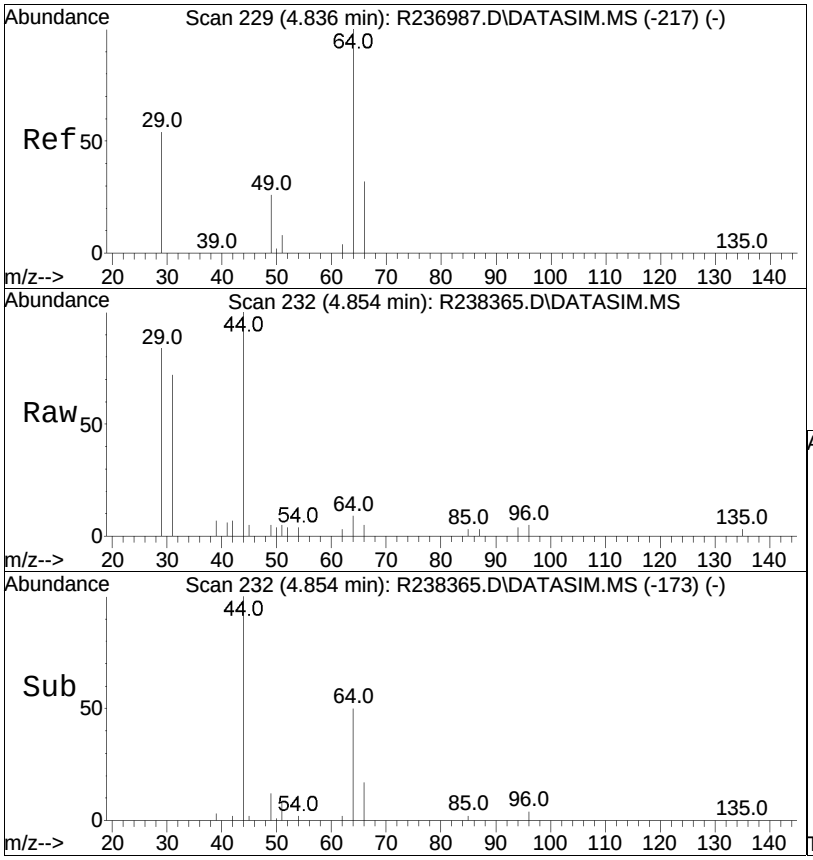


#5
Freon-114
Concen: 0.01 ppbV
RT: 4.140 min Scan# 110
Delta R.T. 0.012 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion: 85 Resp: 1044

Ion	Ratio	Lower	Upper
85	100		
87	37.6	26.4	39.6
135	74.7	64.6	97.0

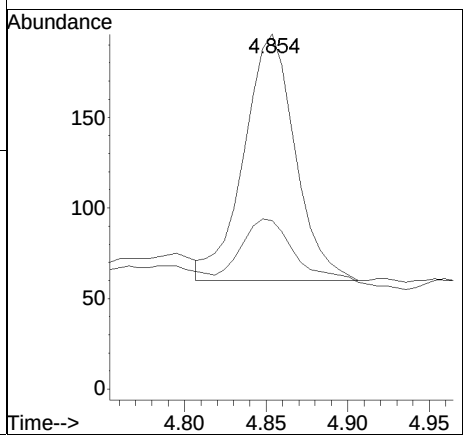


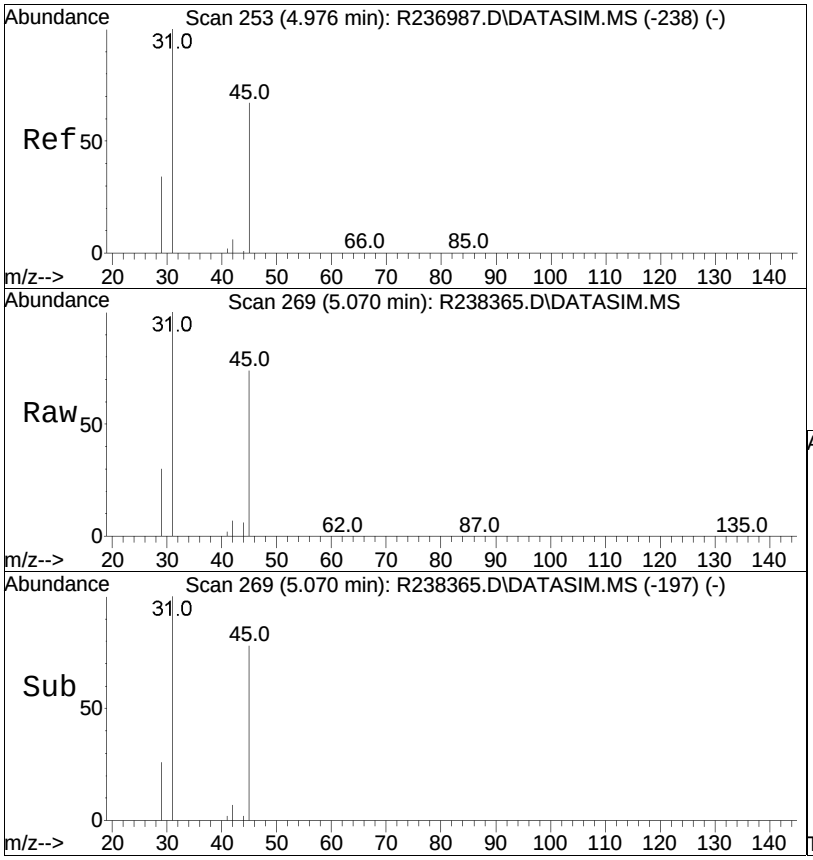


#9
chloroethane
Concen: 0.02 ppbV
RT: 4.854 min Scan# 232
Delta R.T. 0.018 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion: 64 Resp: 297

Ion	Ratio	Lower	Upper
64	100		
49	47.4	20.8	31.2#

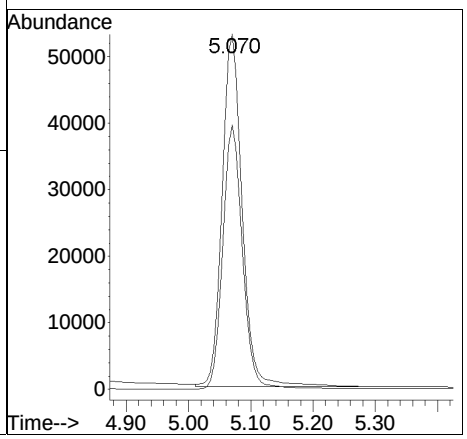


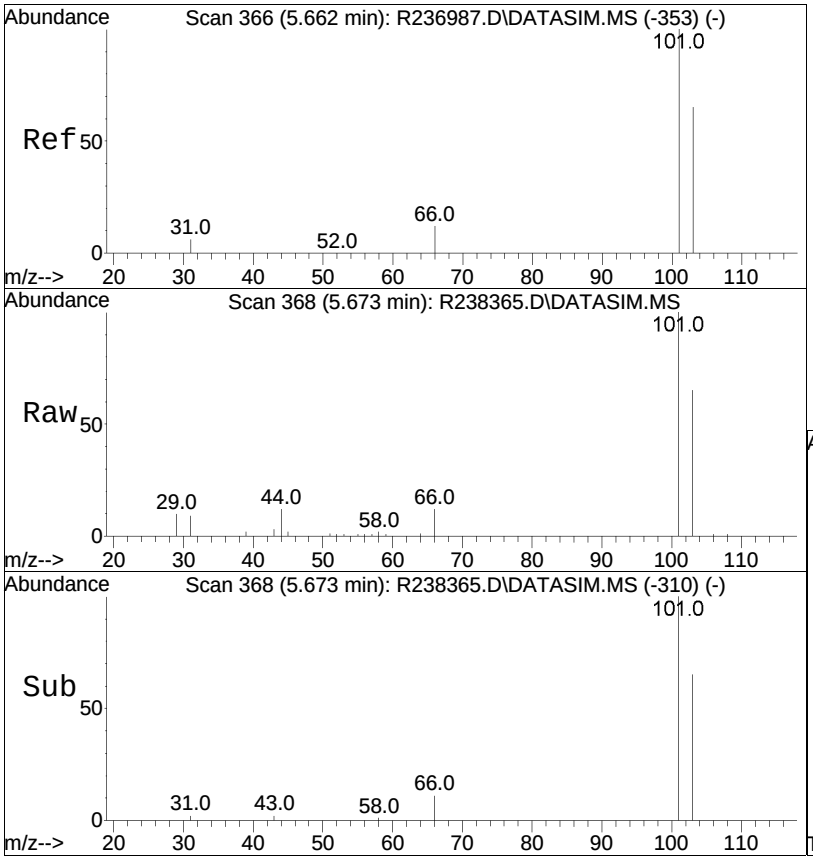


#10
ethanol
Concen: 14.41 ppbV
RT: 5.070 min Scan# 269
Delta R.T. 0.094 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion: 31 Resp: 128577

Ion	Ratio	Lower	Upper
31	100		
45	74.4	53.5	80.3

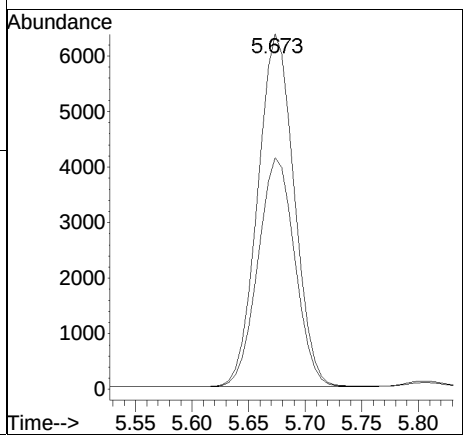


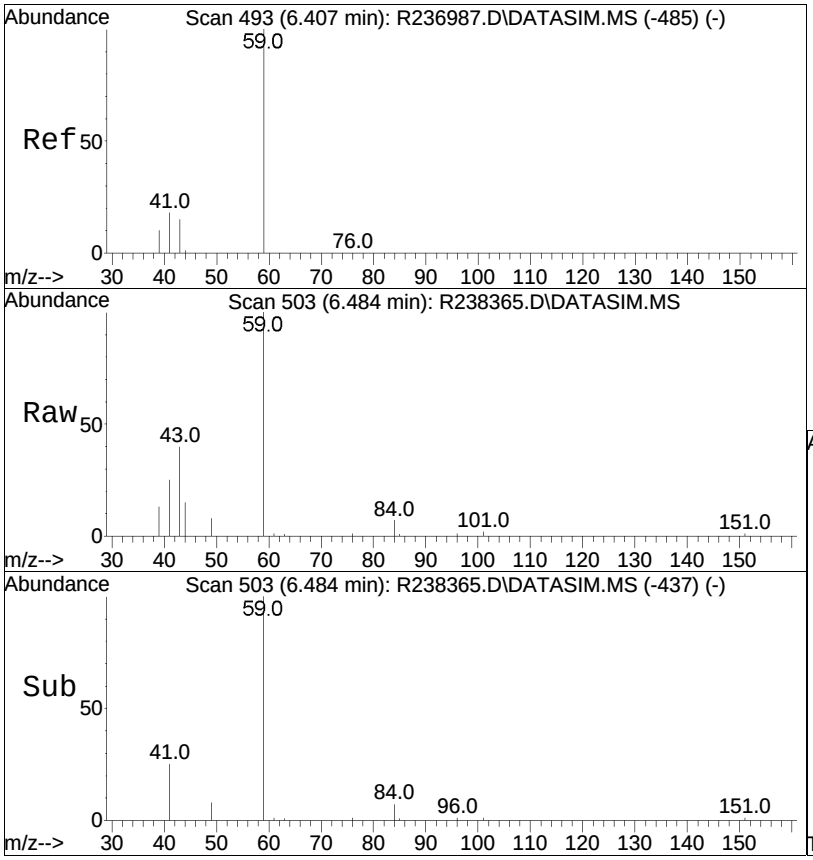


#14
trichlorofluoromethane
Concen: 0.20 ppbV
RT: 5.673 min Scan# 368
Delta R.T. 0.012 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion:101 Resp: 14189

Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.1	78.1

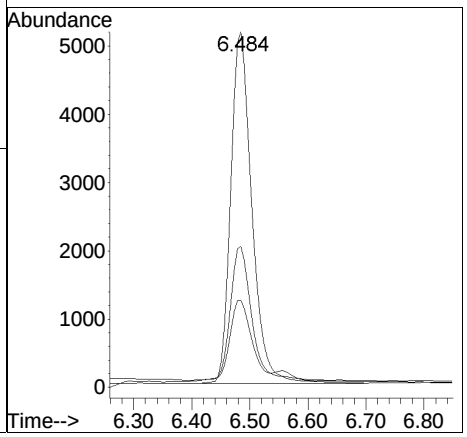


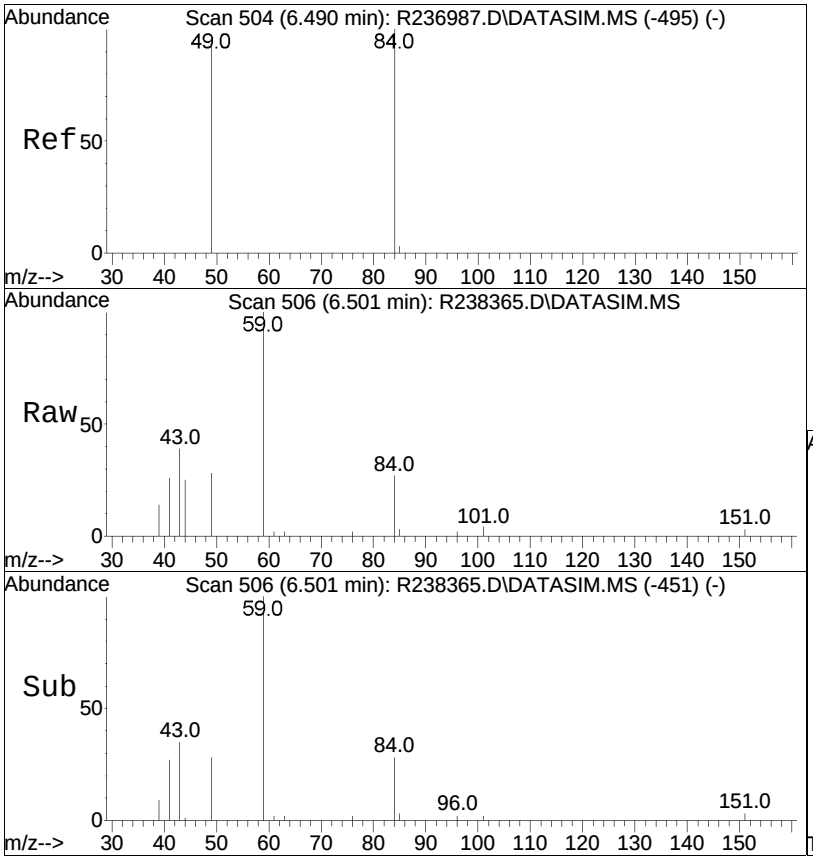


#18
tertiary butyl alcohol
Concen: 0.52 ppbV
RT: 6.484 min Scan# 503
Delta R.T. 0.077 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion: 59 Resp: 14083

Ion	Ratio	Lower	Upper
59	100		
41	26.0	15.4	23.0#
43	38.4	12.2	18.2#

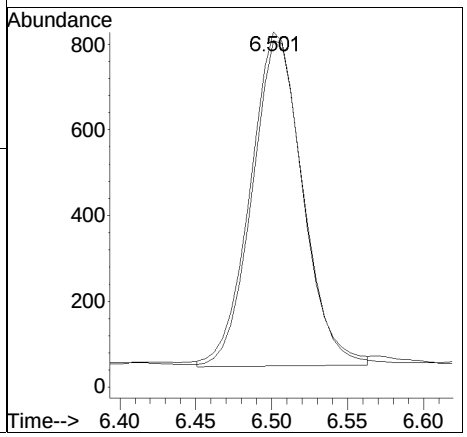


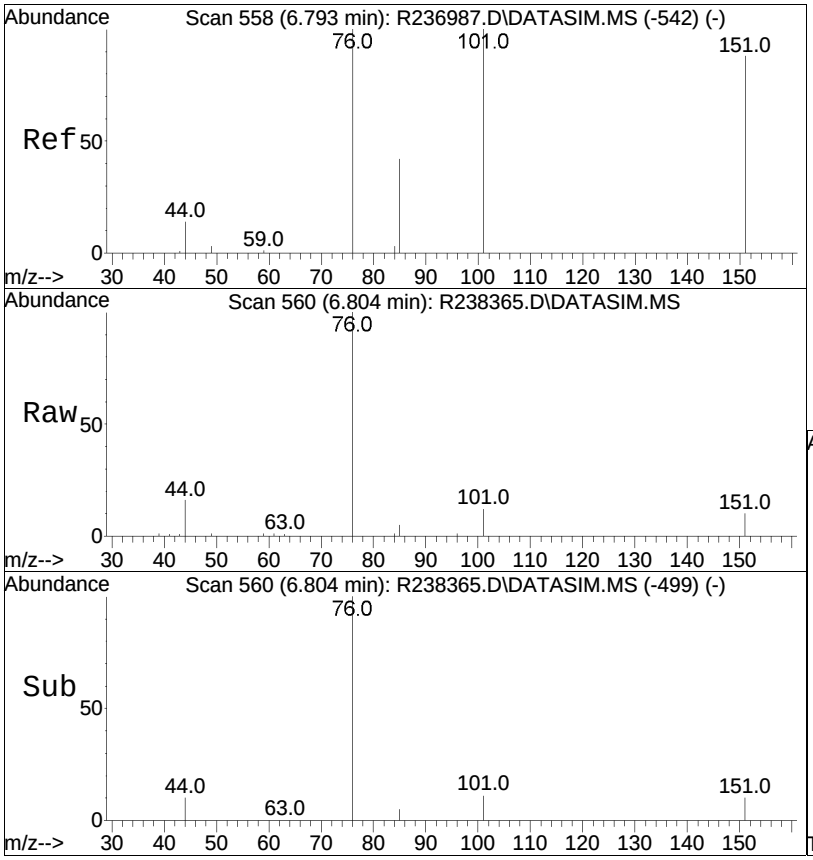


#19
methylene chloride
Concen: 0.09 ppbV m
RT: 6.501 min Scan# 506
Delta R.T. 0.011 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion: 49 Resp: 1861

Ion	Ratio	Lower	Upper
49	100		
84	97.6	83.5	125.3

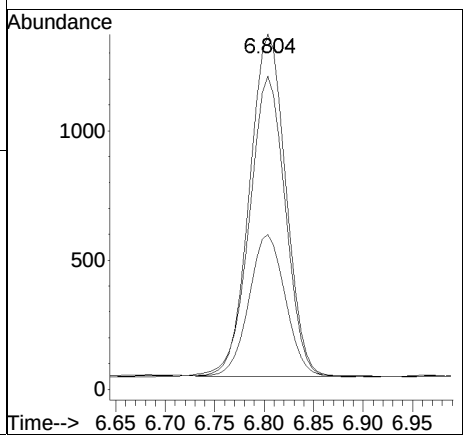


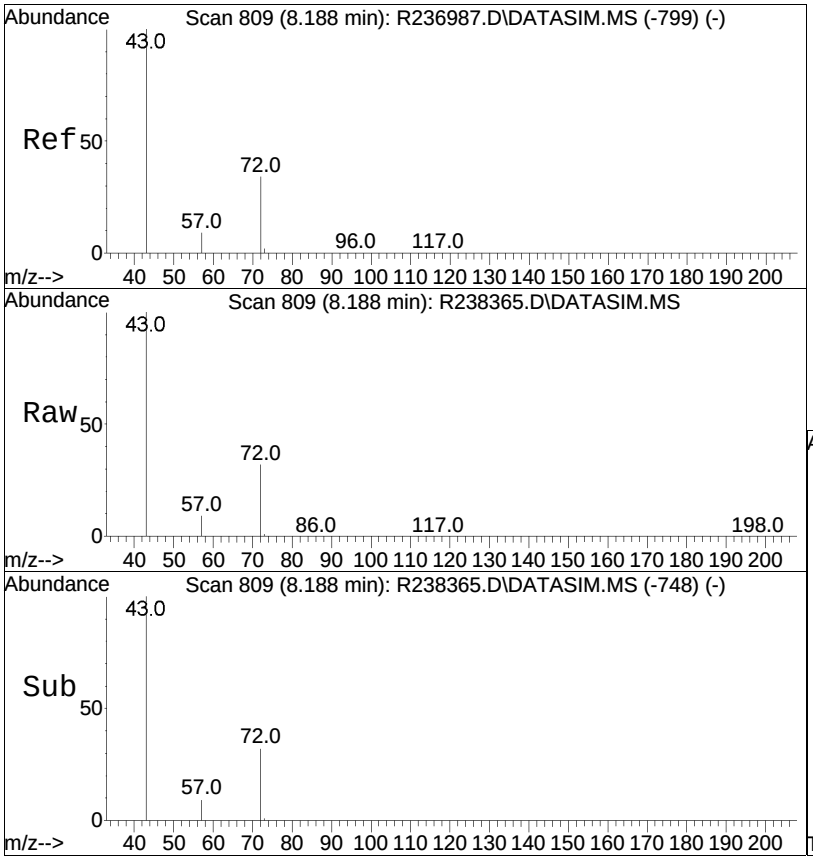


#22
Freon 113
Concen: 0.06 ppbV
RT: 6.804 min Scan# 560
Delta R.T. 0.011 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion:101 Resp: 3379

Ion	Ratio	Lower	Upper
101	100		
85	43.6	33.8	50.8
151	88.1	71.0	106.4

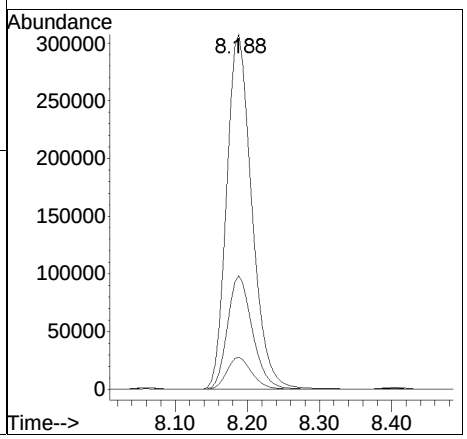


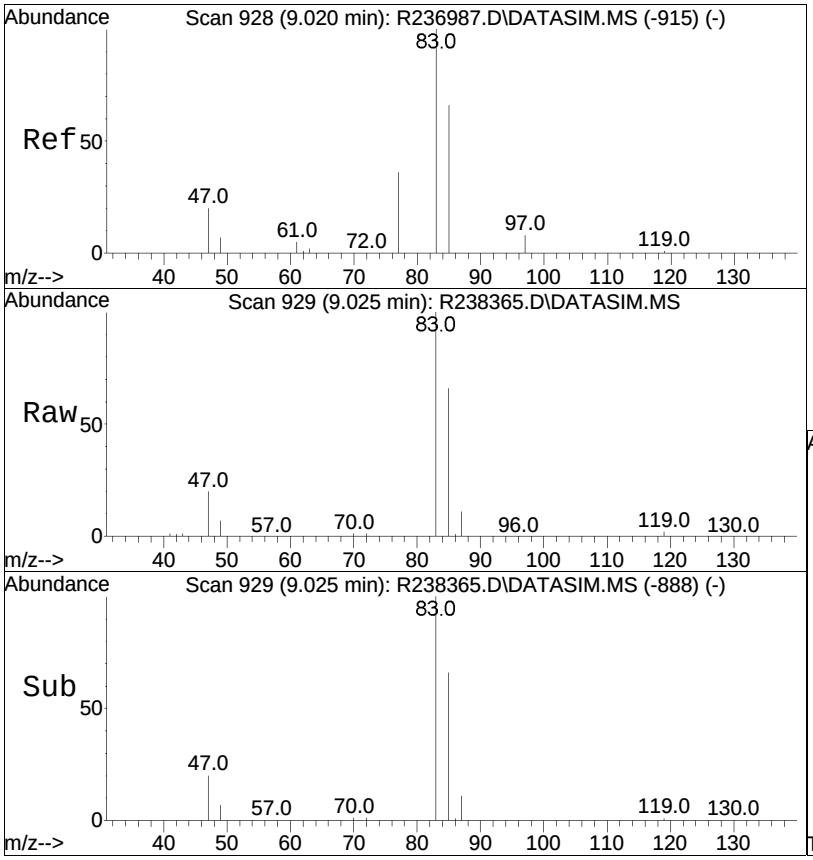


#27
2-butanone
Concen: 25.69 ppbV
RT: 8.188 min Scan# 809
Delta R.T. -0.000 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion: 43 Resp: 746787

Ion	Ratio	Lower	Upper
43	100		
72	32.0	27.0	40.4
57	9.1	7.7	11.5

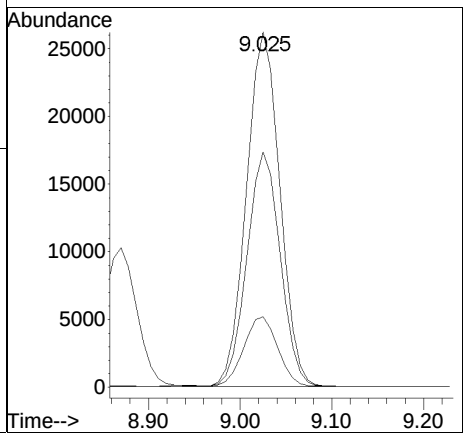


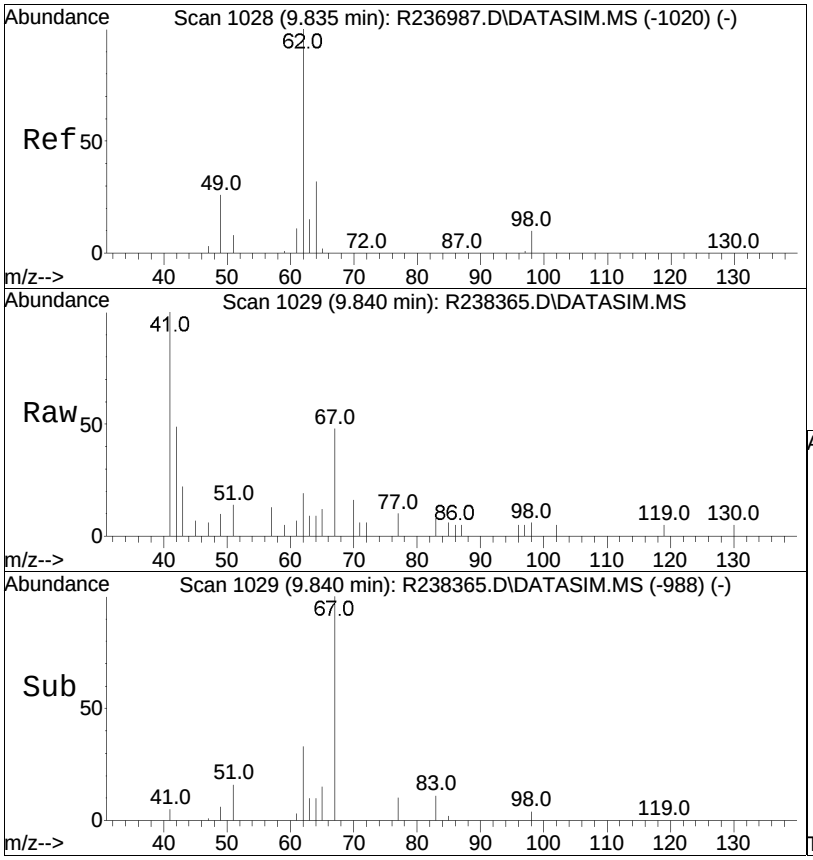


#30
chloroform
Concen: 1.21 ppbV
RT: 9.025 min Scan# 929
Delta R.T. 0.005 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion: 83 Resp: 66418

Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.8	79.2
47	19.9	16.7	25.1

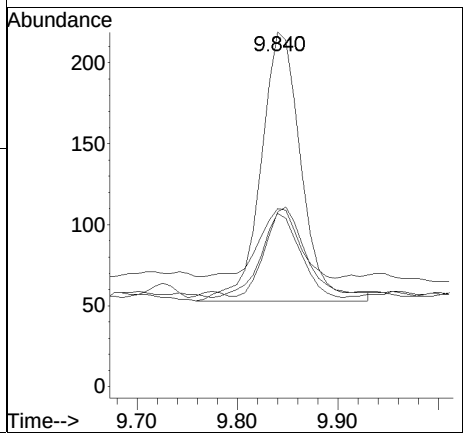


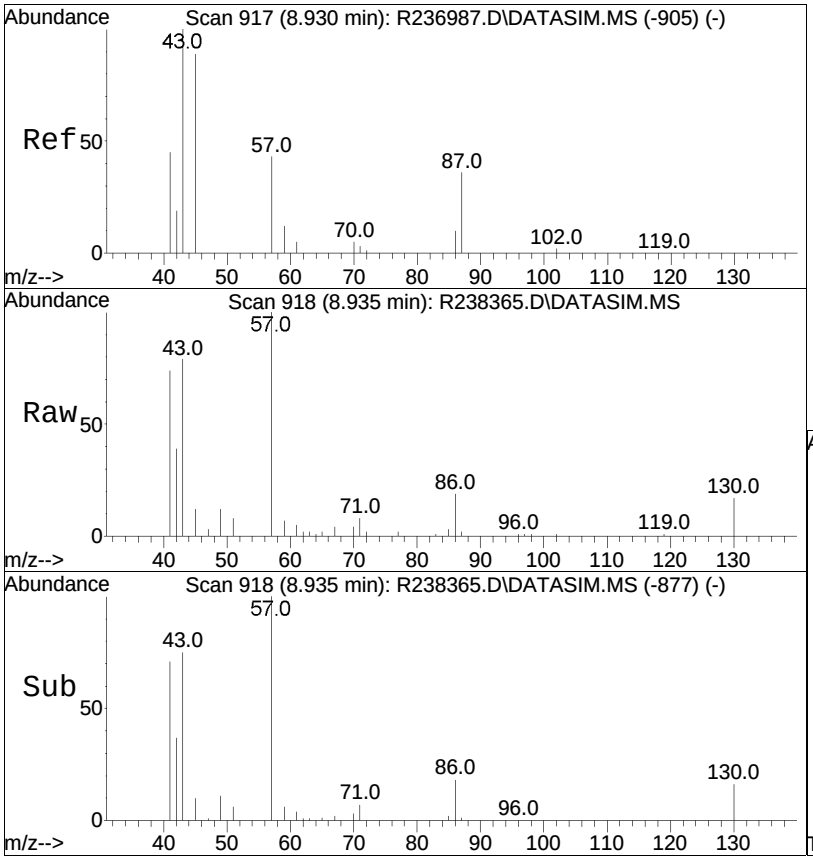


#32
1,2-dichloroethane
Concen: 0.01 ppbV
RT: 9.840 min Scan# 1029
Delta R.T. 0.005 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion: 62 Resp: 460

Ion	Ratio	Lower	Upper
62	100		
64	48.9	26.2	39.2#
49	50.2	20.6	31.0#
63	49.3	12.3	18.5#

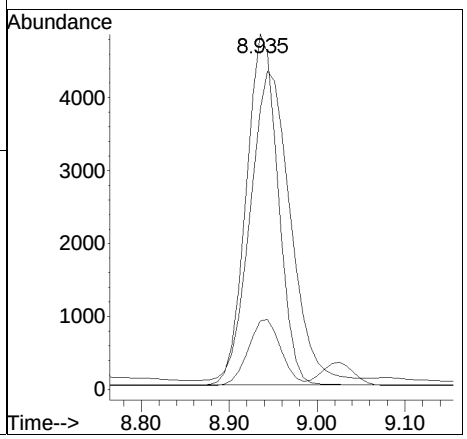


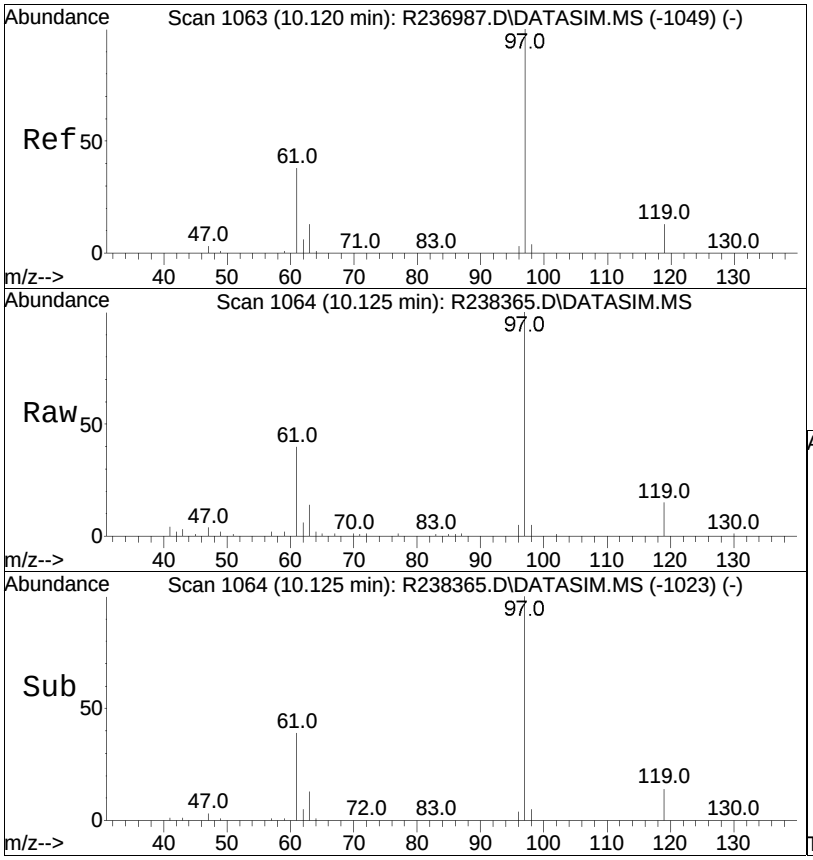


#34
hexane
Concen: 0.62 ppbV
RT: 8.935 min Scan# 918
Delta R.T. 0.005 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion: 57 Resp: 12143

Ion	Ratio	Lower	Upper
57	100		
43	78.7	186.2	279.4#
86	19.3	17.8	26.8

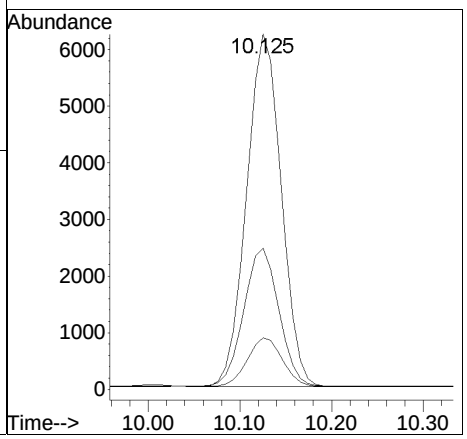


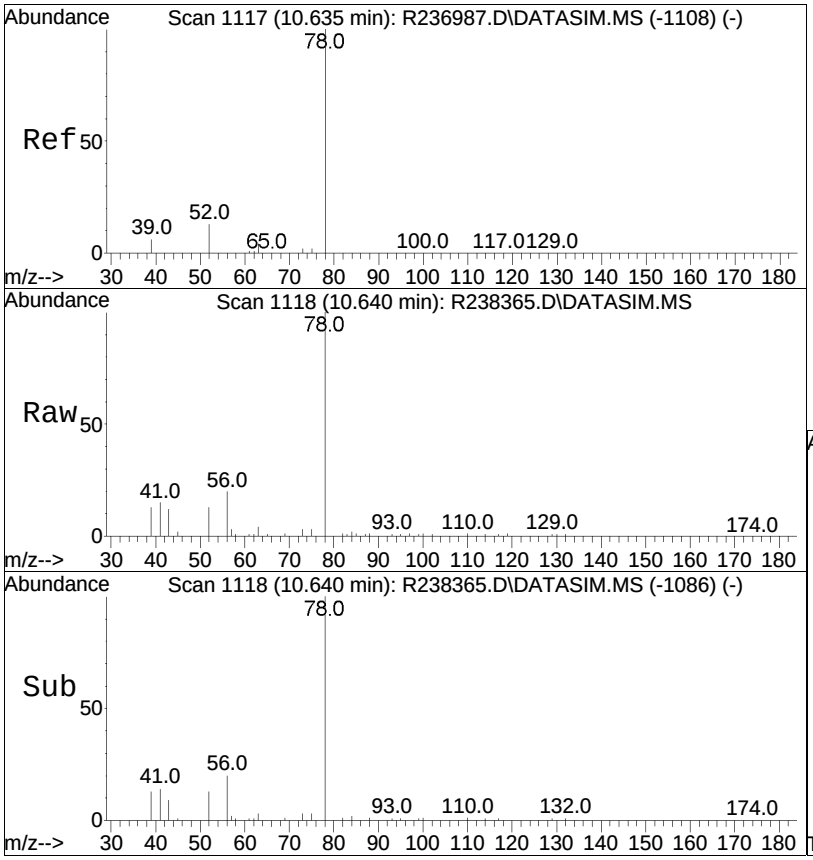


#36
1,1,1-trichloroethane
Concen: 0.32 ppbV
RT: 10.125 min Scan# 1064
Delta R.T. 0.005 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion: 97 Resp: 16330

Ion	Ratio	Lower	Upper
97	100		
61	39.8	30.6	45.8
119	14.6	10.6	16.0

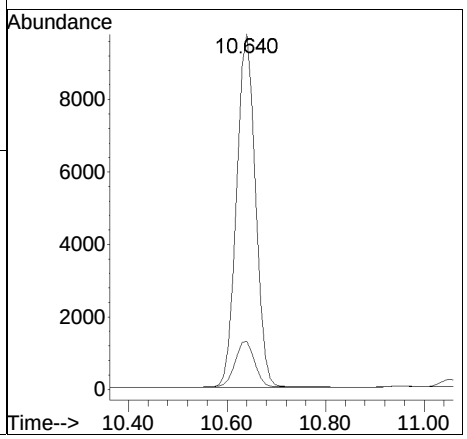


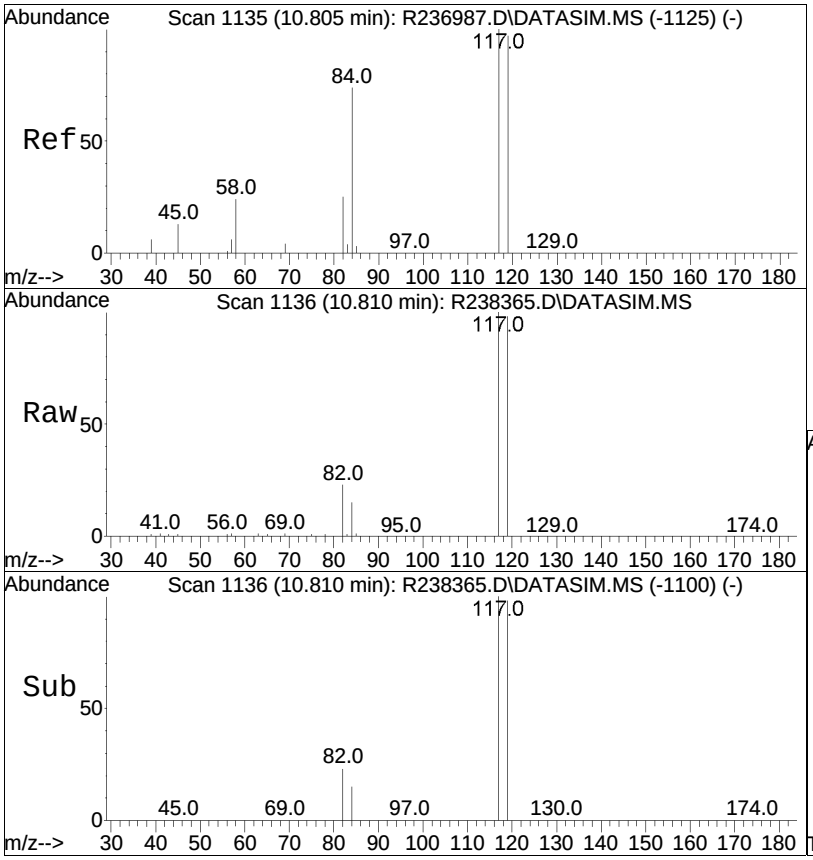


#37
benzene
Concen: 0.45 ppbV
RT: 10.640 min Scan# 1118
Delta R.T. 0.005 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion: 78 Resp: 26019

Ion	Ratio	Lower	Upper
78	100		
52	13.5	10.2	15.2

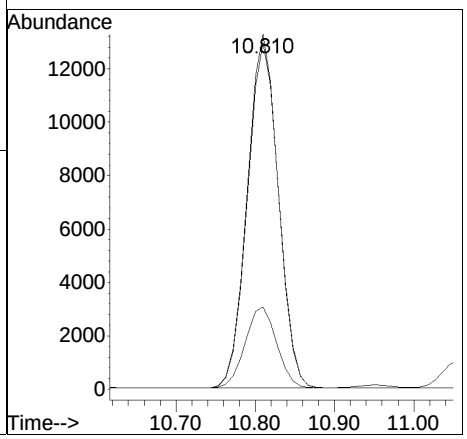


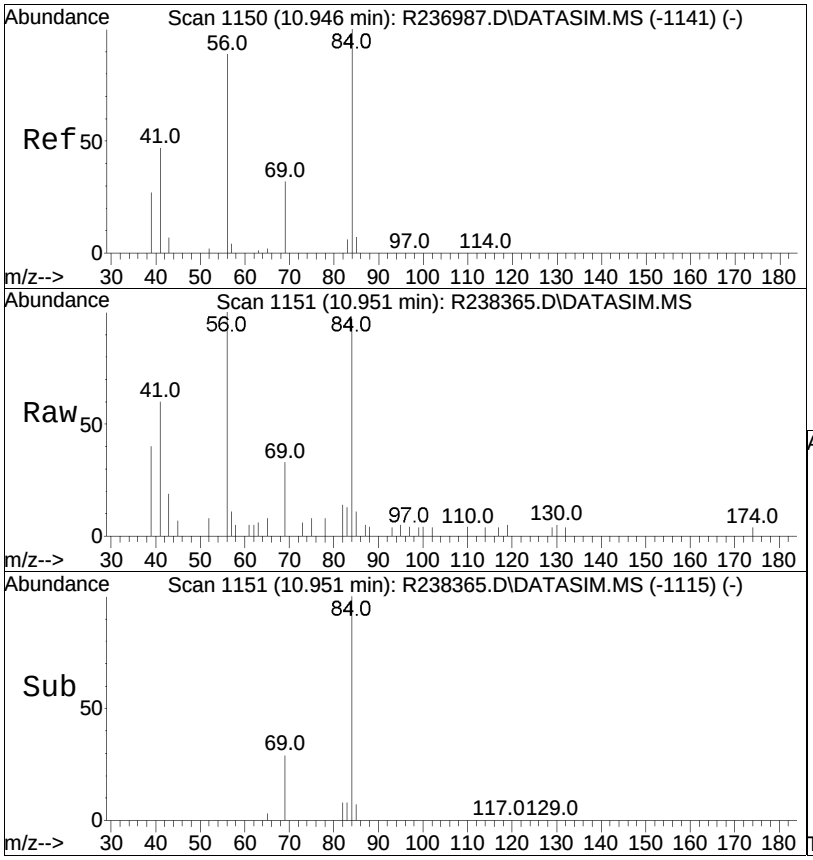


#38
carbon tetrachloride
Concen: 0.66 ppbV
RT: 10.810 min Scan# 1136
Delta R.T. 0.005 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion:117 Resp: 35882

Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.4	116.0
82	23.2	20.3	30.5

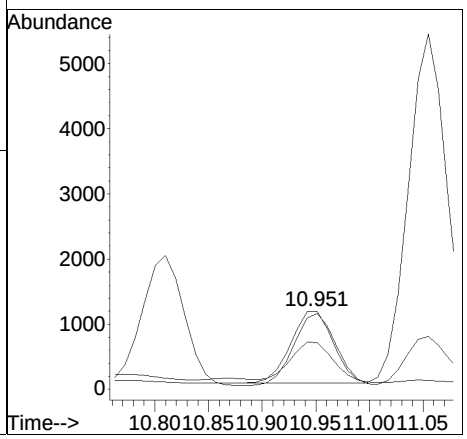


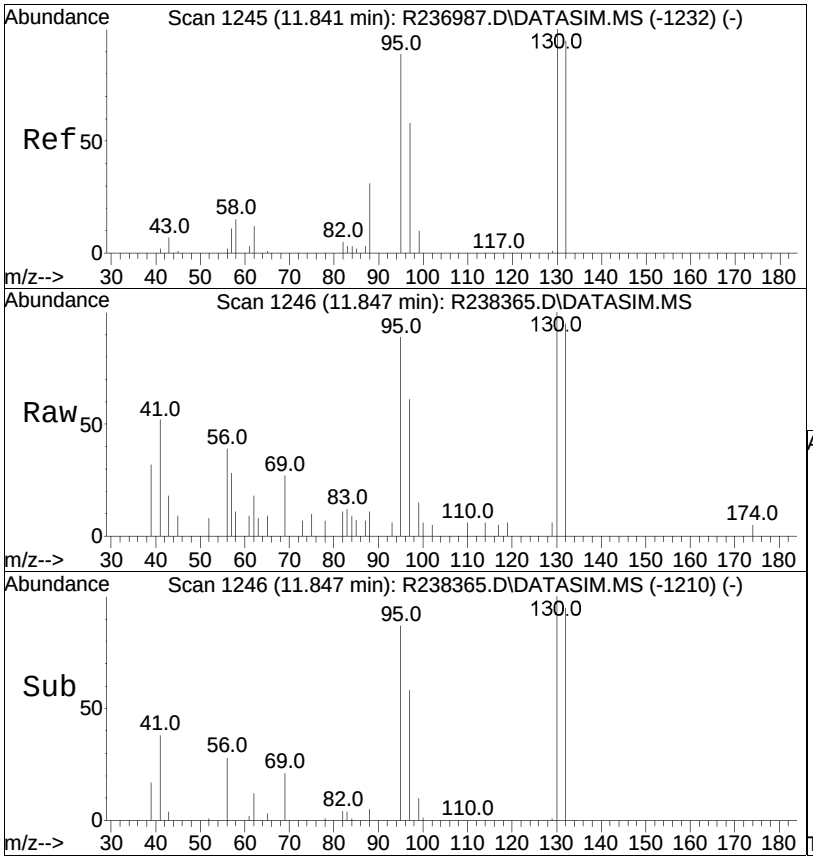


#39
cyclohexane
Concen: 0.15 ppbV
RT: 10.951 min Scan# 1151
Delta R.T. 0.005 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion: 56 Resp: 3013

Ion	Ratio	Lower	Upper
56	100		
84	97.4	91.0	136.4
41	59.9	42.9	64.3

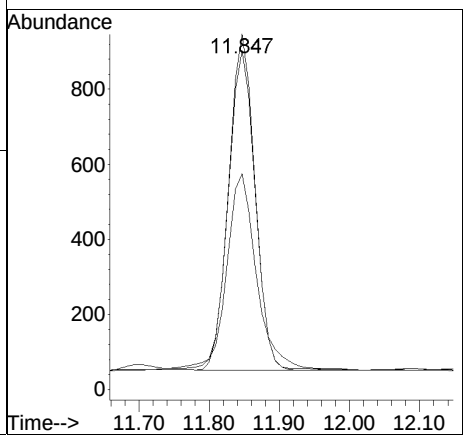


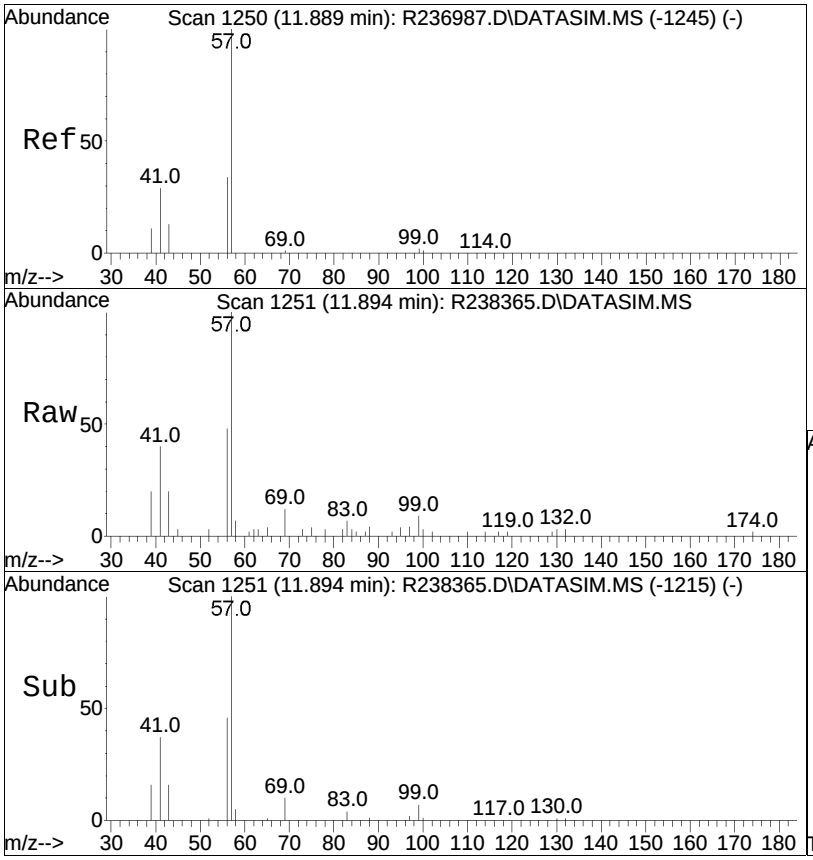


#44
trichloroethene
Concen: 0.07 ppbV
RT: 11.847 min Scan# 1246
Delta R.T. 0.005 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion:130 Resp: 2337

Ion	Ratio	Lower	Upper
130	100		
132	95.4	76.4	114.6
97	60.7	46.3	69.5

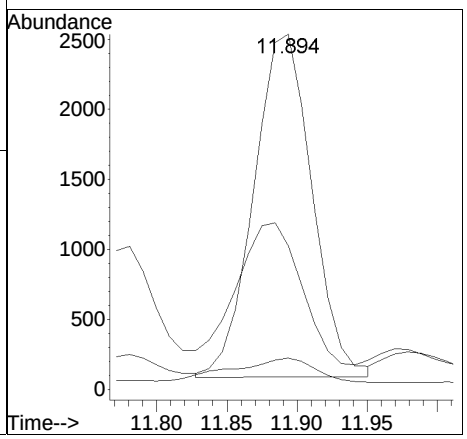


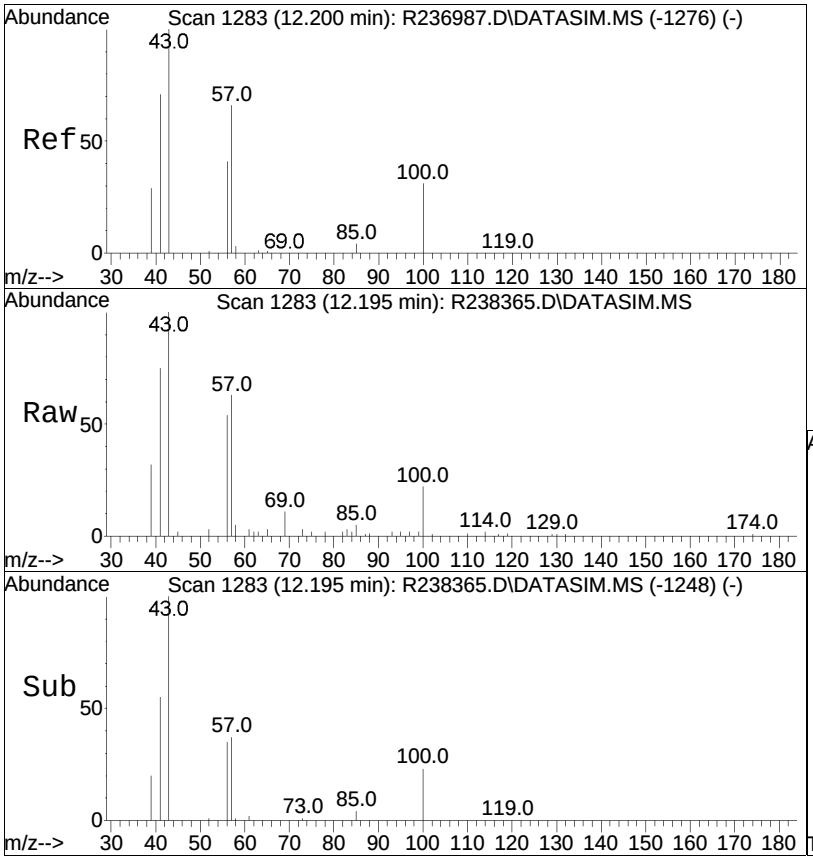


#45
2,2,4-trimethylpentane
Concen: 0.12 ppbV
RT: 11.894 min Scan# 1251
Delta R.T. 0.005 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion: 57 Resp: 7067

Ion	Ratio	Lower	Upper
57	100		
99	8.8	6.7	10.1
41	40.4	22.7	34.1#

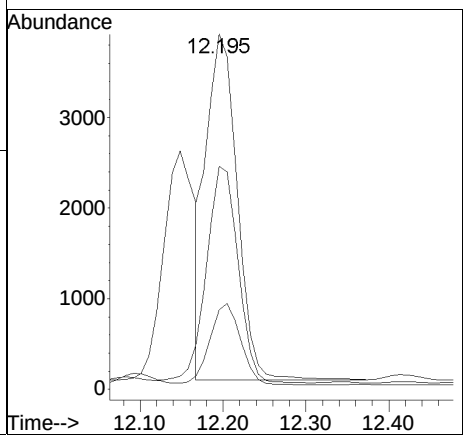


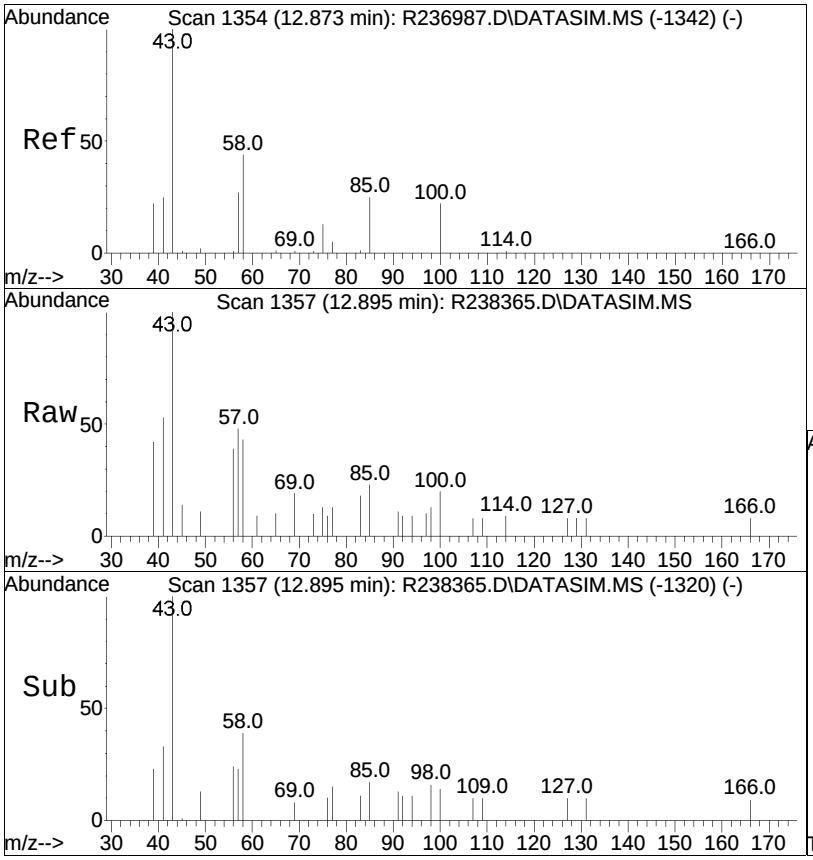


#46
heptane
Concen: 0.54 ppbV
RT: 12.195 min Scan# 1283
Delta R.T. -0.004 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion: 43 Resp: 9959

Ion	Ratio	Lower	Upper
43	100		
57	62.8	52.5	78.7
100	22.4	26.0	39.0#

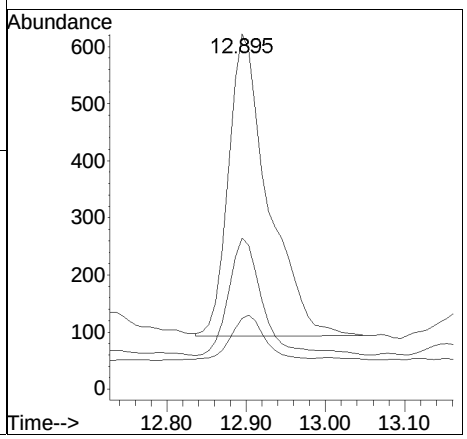


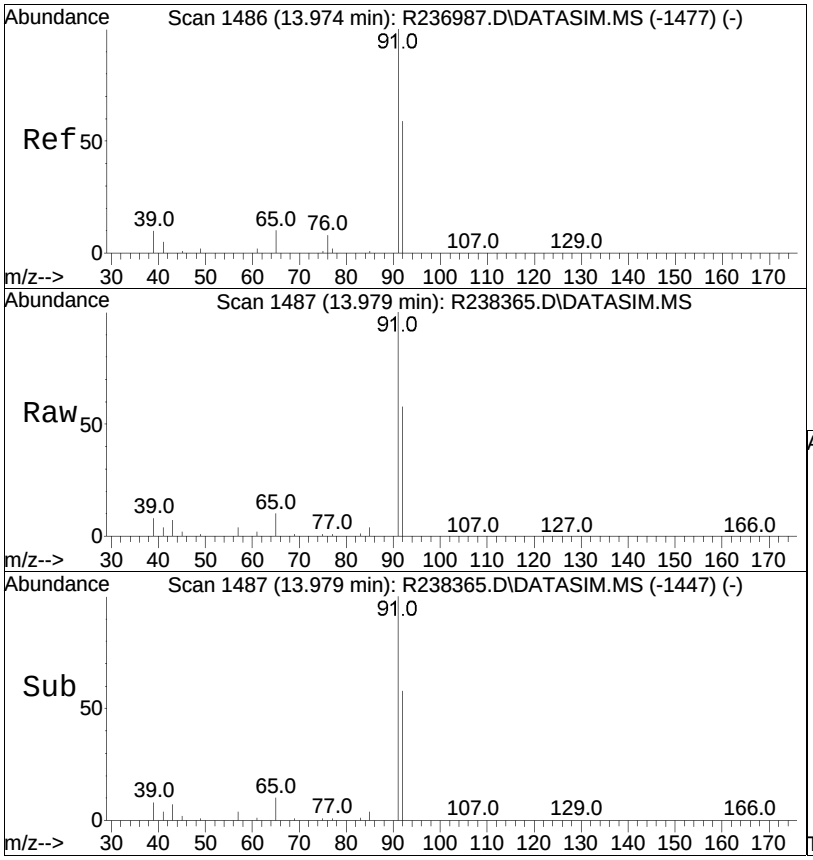


#48
4-methyl-2-pentanone
Concen: 0.06 ppbV
RT: 12.895 min Scan# 1357
Delta R.T. 0.022 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion: 43 Resp: 1841

Ion	Ratio	Lower	Upper
43	100		
58	42.6	35.0	52.6
100	19.9	17.9	26.9

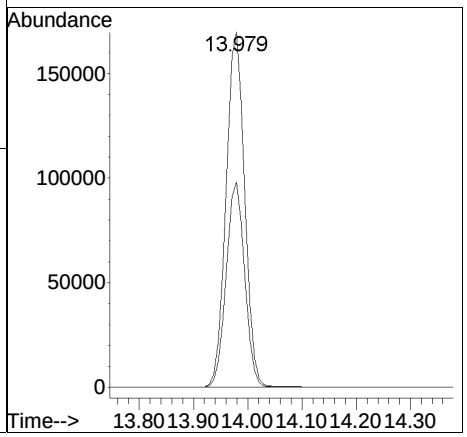


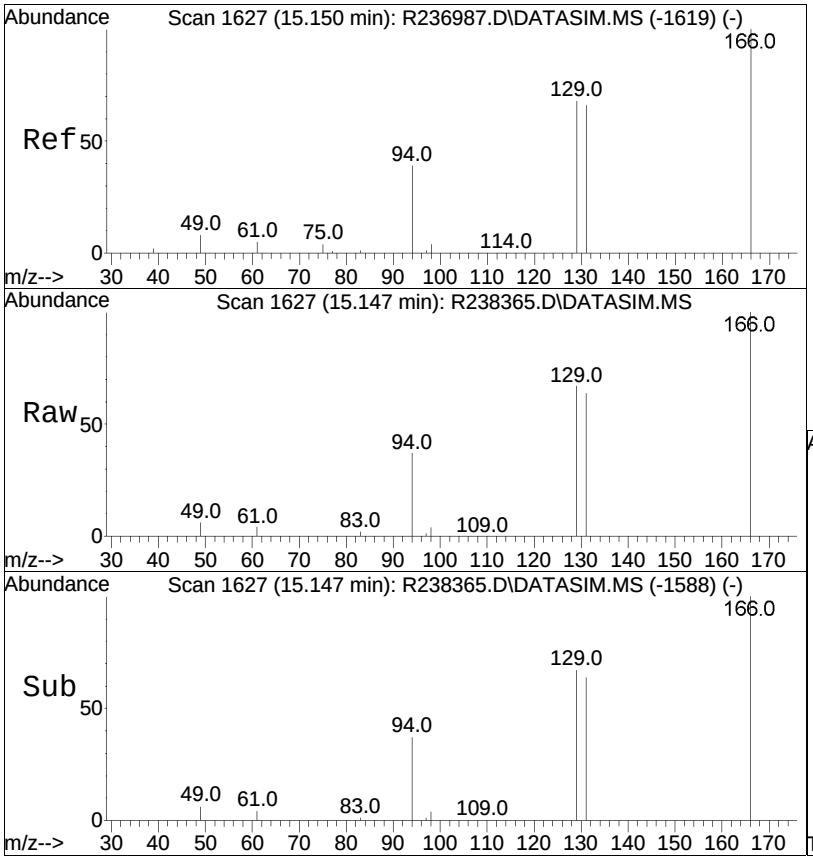


#52
toluene
Concen: 5.32 ppbV
RT: 13.979 min Scan# 1487
Delta R.T. 0.005 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion: 91 Resp: 404713

Ion	Ratio	Lower	Upper
91	100		
92	57.8	46.8	70.2

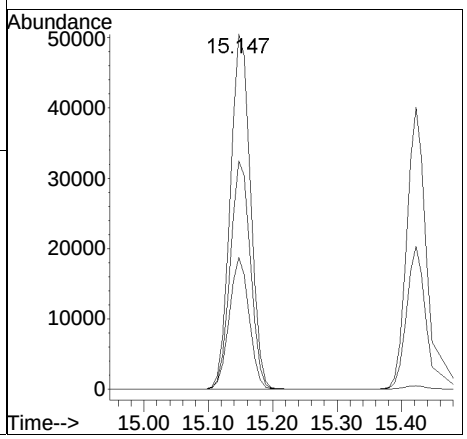


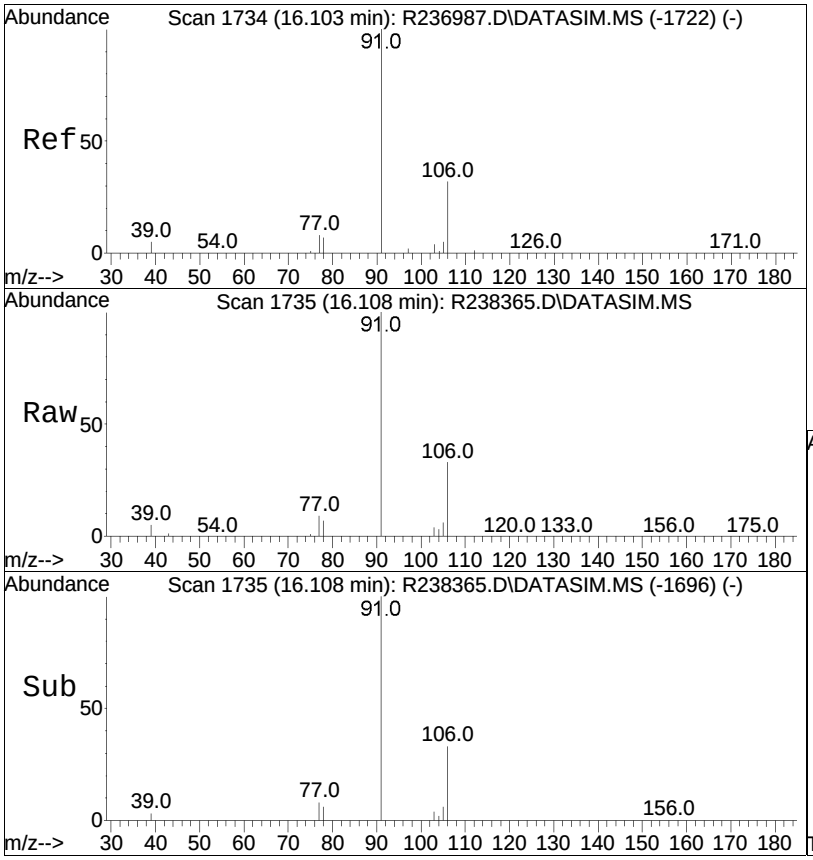


#57
tetrachloroethene
Concen: 2.21 ppbV
RT: 15.147 min Scan# 1627
Delta R.T. -0.003 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion:166 Resp: 109675

Ion	Ratio	Lower	Upper
166	100		
131	64.3	53.0	79.6
94	37.2	31.0	46.6

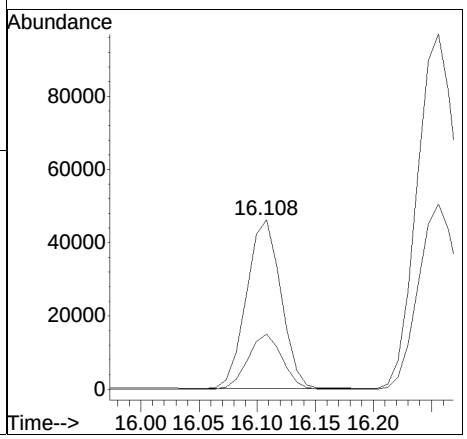


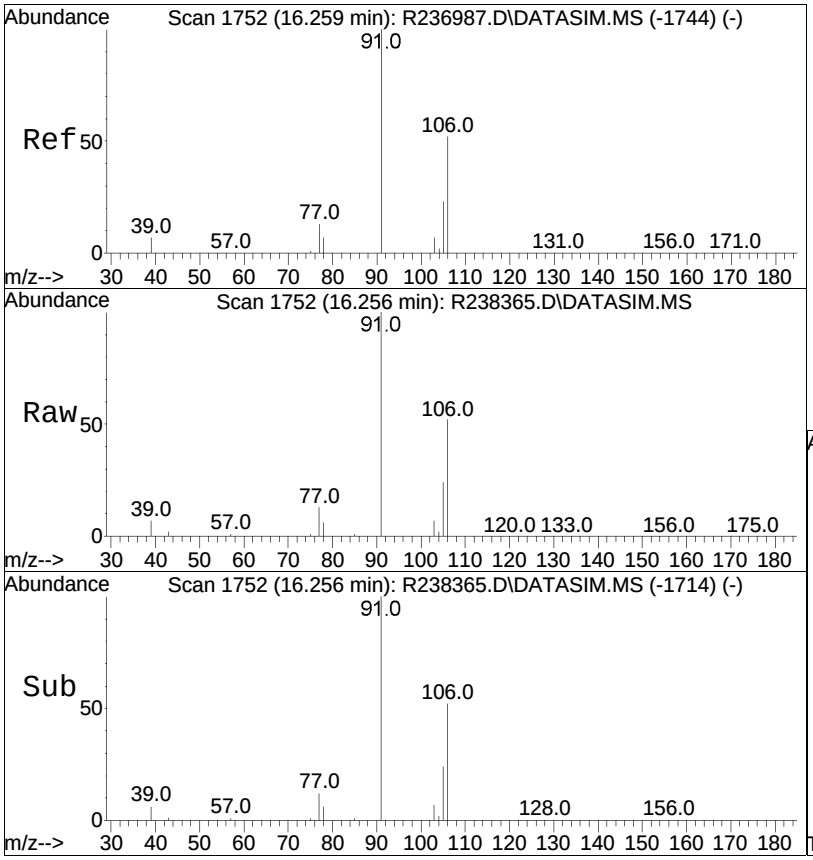


#60
ethylbenzene
Concen: 0.97 ppbV
RT: 16.108 min Scan# 1735
Delta R.T. 0.005 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion: 91 Resp: 95418

Ion	Ratio	Lower	Upper
91	100		
106	32.6	25.8	38.8

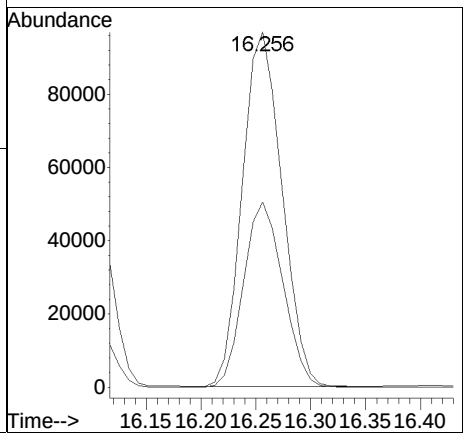


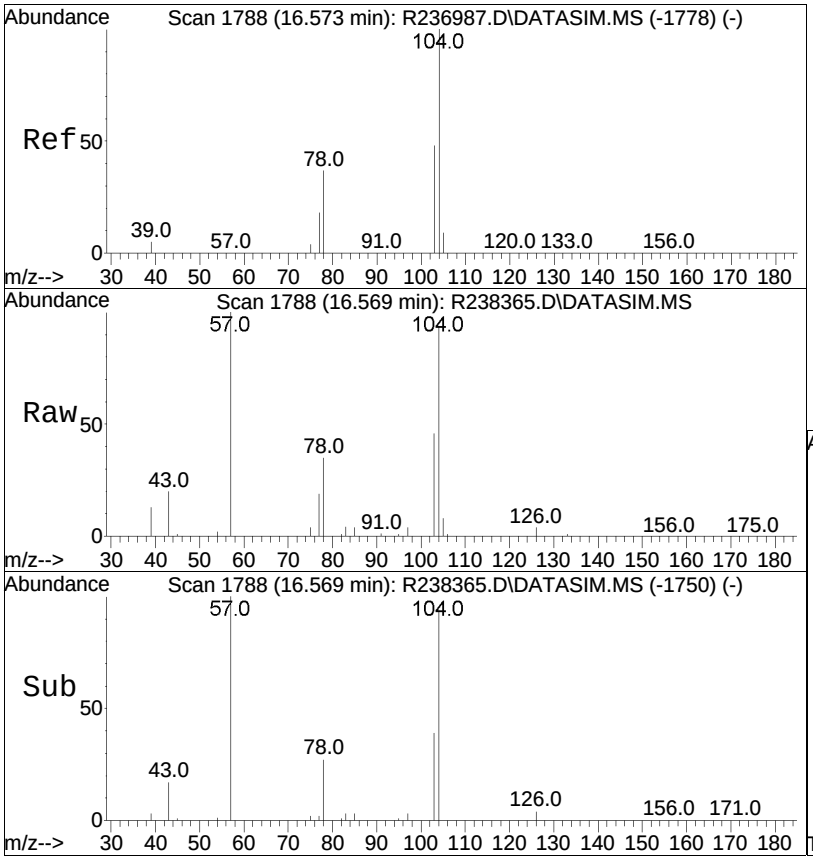


#61
m+p-xylene
Concen: 3.28 ppbV
RT: 16.256 min Scan# 1752
Delta R.T. -0.003 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion: 91 Resp: 243024

Ion	Ratio	Lower	Upper
91	100		
106	52.2	41.5	62.3

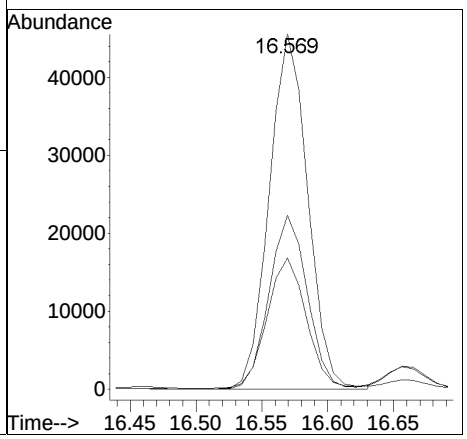


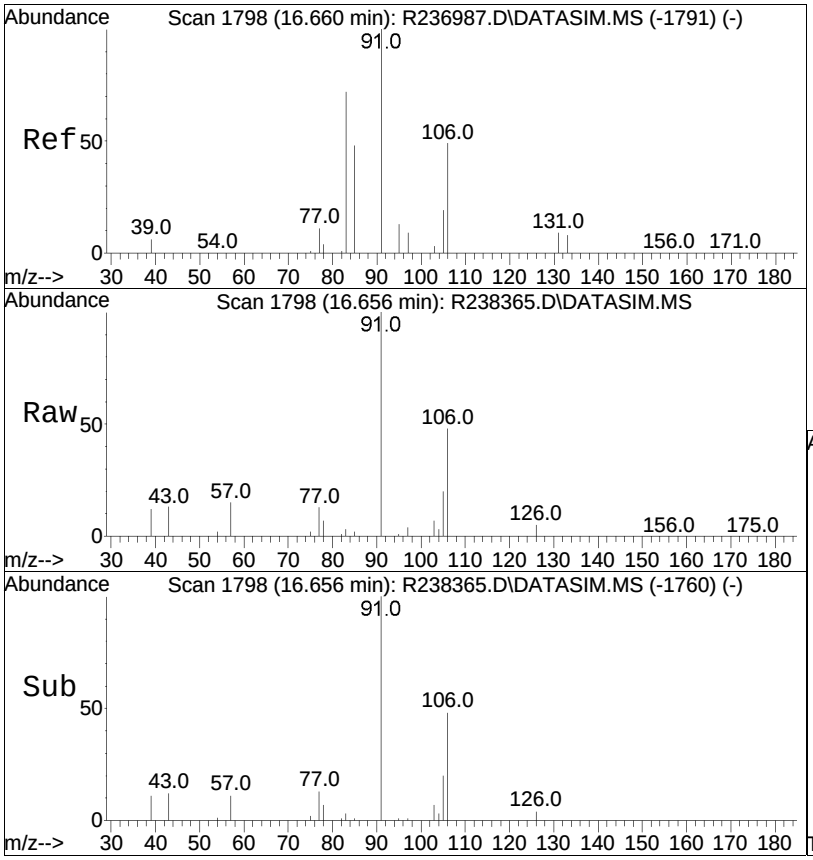


#63
styrene
Concen: 1.62 ppbV
RT: 16.569 min Scan# 1788
Delta R.T. -0.003 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion:104 Resp: 92204

Ion	Ratio	Lower	Upper
104	100		
103	49.0	38.2	57.4
78	37.0	29.8	44.8

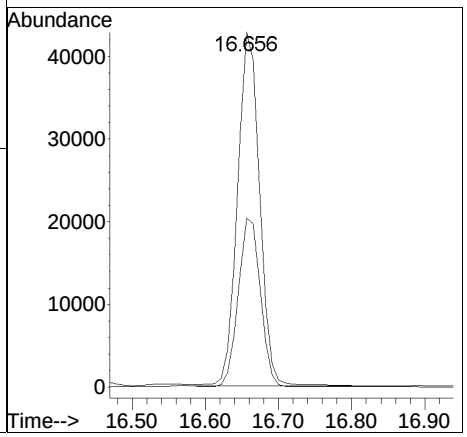


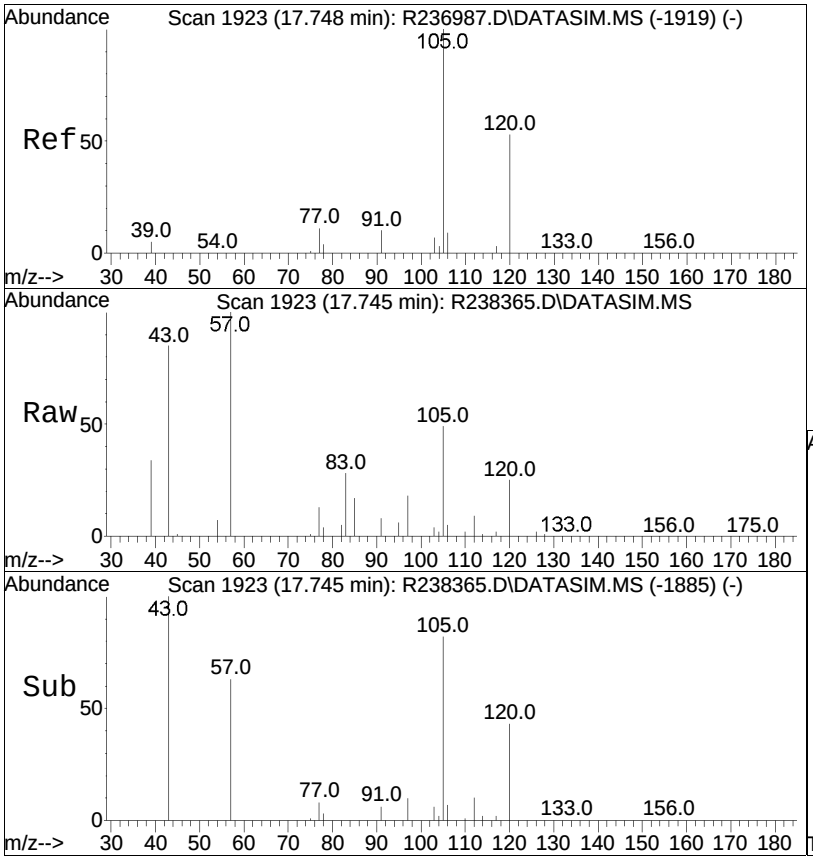


#65
o-xylene
Concen: 1.19 ppbV
RT: 16.656 min Scan# 1798
Delta R.T. -0.003 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion: 91 Resp: 89738

Ion	Ratio	Lower	Upper
91	100		
106	47.6	39.2	58.8

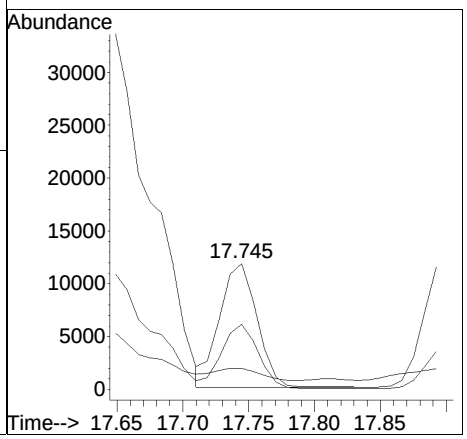


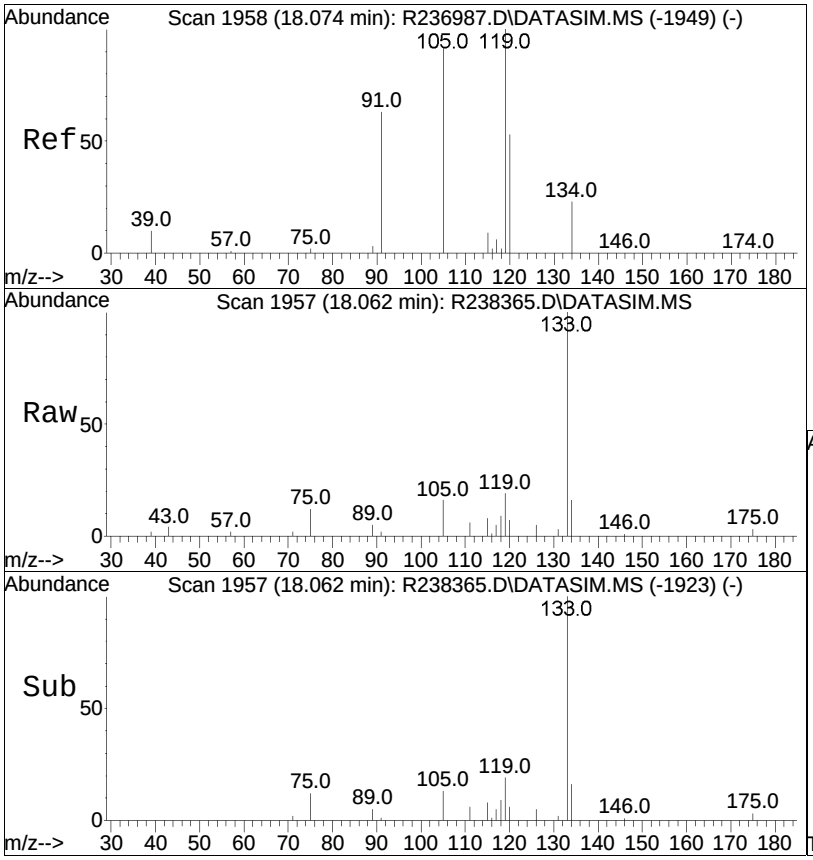


#71
1,3,5-trimethylbenzene
Concen: 0.28 ppbV
RT: 17.745 min Scan# 1923
Delta R.T. -0.003 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion:105 Resp: 23077

Ion	Ratio	Lower	Upper
105	100		
120	51.7	41.3	61.9
91	16.7	8.2	12.2#

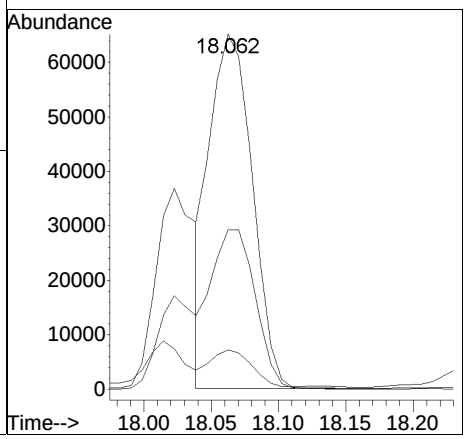


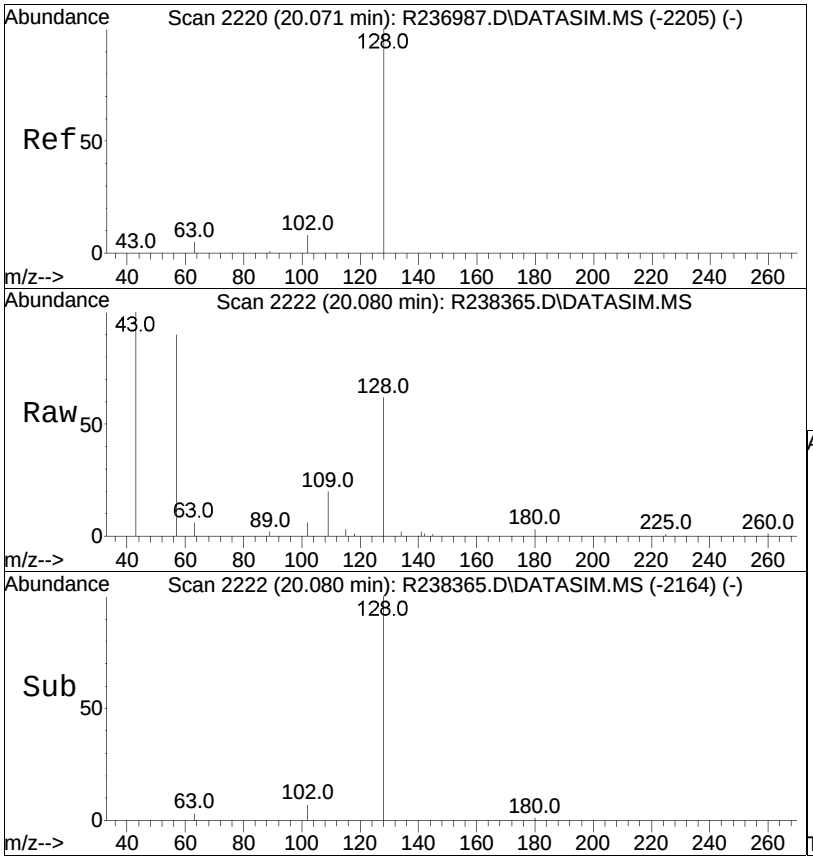


#73
1,2,4-trimethylbenzene
Concen: 1.65 ppbV
RT: 18.062 min Scan# 1957
Delta R.T. -0.011 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion:105 Resp: 144281

Ion	Ratio	Lower	Upper
105	100		
120	45.0	45.9	68.9#
91	11.1	55.2	82.8#

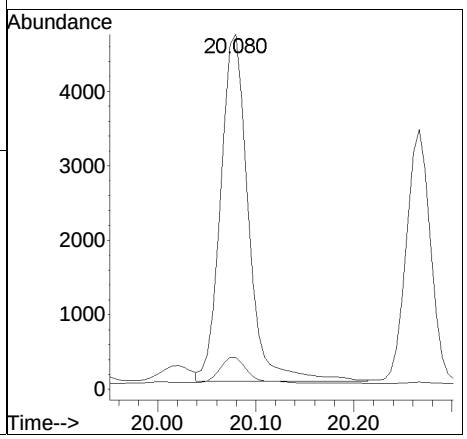




#83
naphthalene
Concen: 0.08 ppbV
RT: 20.080 min Scan# 2222
Delta R.T. 0.008 min
Lab File: R238365.D
Acq: 03 Feb 2026 05:46 am

Tgt Ion:128 Resp: 9159

Ion	Ratio	Lower	Upper
128	100		
102	9.0	6.5	9.7

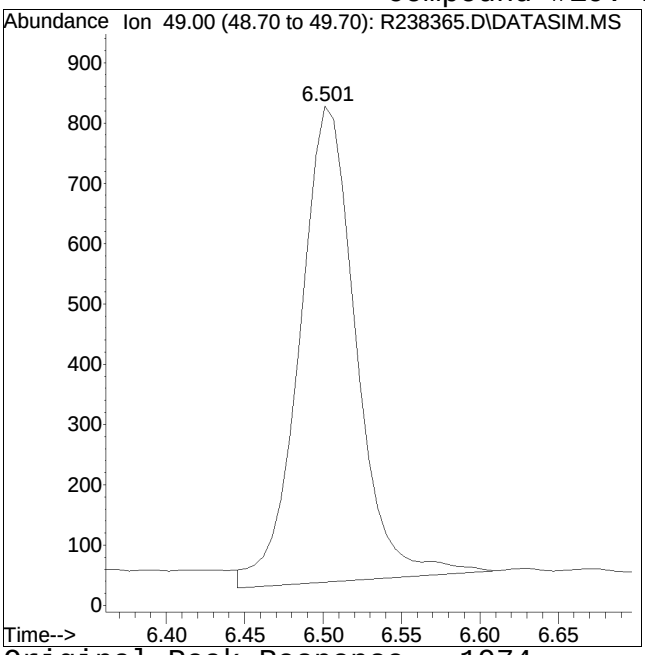


Manual Integration Report

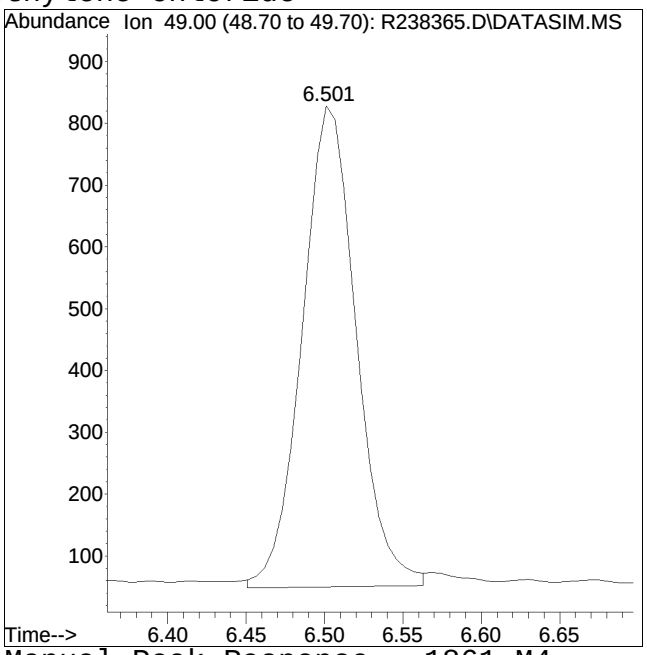
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R238365.D
Date Inj'd : 2/3/2026 5:46 am
Sample : L2603846-03,3,250,250

Method : TSIM23_251121.M
Operator : AIRLAB23:TPH
Instrument : Airlab23
Quant Date : 2/3/2026 7:43 am

Compound #19: methylene chloride



Original Peak Response = 1974



Manual Peak Response = 1861 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238366.D
Acq On : 03 Feb 2026 06:28 am
Operator : AIRLAB23:TPH
Sample : L2603846-05,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 03 07:43:14 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2026\02\0202SIM\R238353.D
Sub List : 1,,,NYDEC-SIM - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.876	49	259175	10.000	ppbV	0.01
Standard Area = 256103			Recovery = 101.20%			
33) 1,4-difluorobenzene	11.062	114	994453	10.000	ppbV	0.00
Standard Area = 957969			Recovery = 103.81%			
51) chlorobenzene-D5	15.732	54	125682	10.000	ppbV	0.00
Standard Area = 117966			Recovery = 106.54%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	3.871	85	31450	0.435	ppbV	100
4) chloromethane	4.040	50	6463	0.326	ppbV	99
5) Freon-114	4.140	85	1268	0.015	ppbV	94
6) vinyl chloride	4.257	62	3048	0.115	ppbV	96
8) bromomethane	4.673		0	N.D.		
9) chloroethane	4.854	64	1769	0.116	ppbV	96
10) ethanol	5.071	31	115310	11.708	ppbV	89
14) trichlorofluoromethane	5.674	101	17230	0.225	ppbV	99
17) 1,1-dichloroethene	0.000		0	N.D. d		
18) tertiary butyl alcohol	6.479	59	38692	1.295	ppbV #	83
19) methylene chloride	6.501	49	4145	0.172	ppbV	95
22) Freon 113	6.798	101	4014	0.065	ppbV	98
23) trans-1,2-dichloroethene	7.533	61	604162	20.135	ppbV	97
24) 1,1-dichloroethane	7.755	63	442709	10.617	ppbV	100
25) MTBE	0.000		0	N.D. d		
27) 2-butanone	8.189	43	1058006	32.982	ppbV	97
28) cis-1,2-dichloroethene	8.689	61	2877934	89.154	ppbV	94
30) chloroform	9.031	83	299336	4.947	ppbV	99
32) 1,2-dichloroethane	9.846	62	562	0.016	ppbV #	53
34) hexane	8.933	57	122968	5.064	ppbV #	3
36) 1,1,1-trichloroethane	10.131	97	222332	3.498	ppbV	99
37) benzene	10.638	78	28394	0.399	ppbV	96
38) carbon tetrachloride	10.808	117	2875	0.043	ppbV	97
39) cyclohexane	10.949	56	4635	0.189	ppbV #	83
41) 1,2-dichloropropane	11.562		0	N.D.		
42) bromodichloromethane	0.000		0	N.D. d		
43) 1,4-dioxane	0.000		0	N.D. d		
44) trichloroethene	11.845	130	977691	22.844	ppbV	98

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238366.D
Acq On : 03 Feb 2026 06:28 am
Operator : AIRLAB23:TPH
Sample : L2603846-05,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 03 07:43:14 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2026\02\0202SIM\R238353.D
Sub List : 1,,,NYDEC-SIM - .

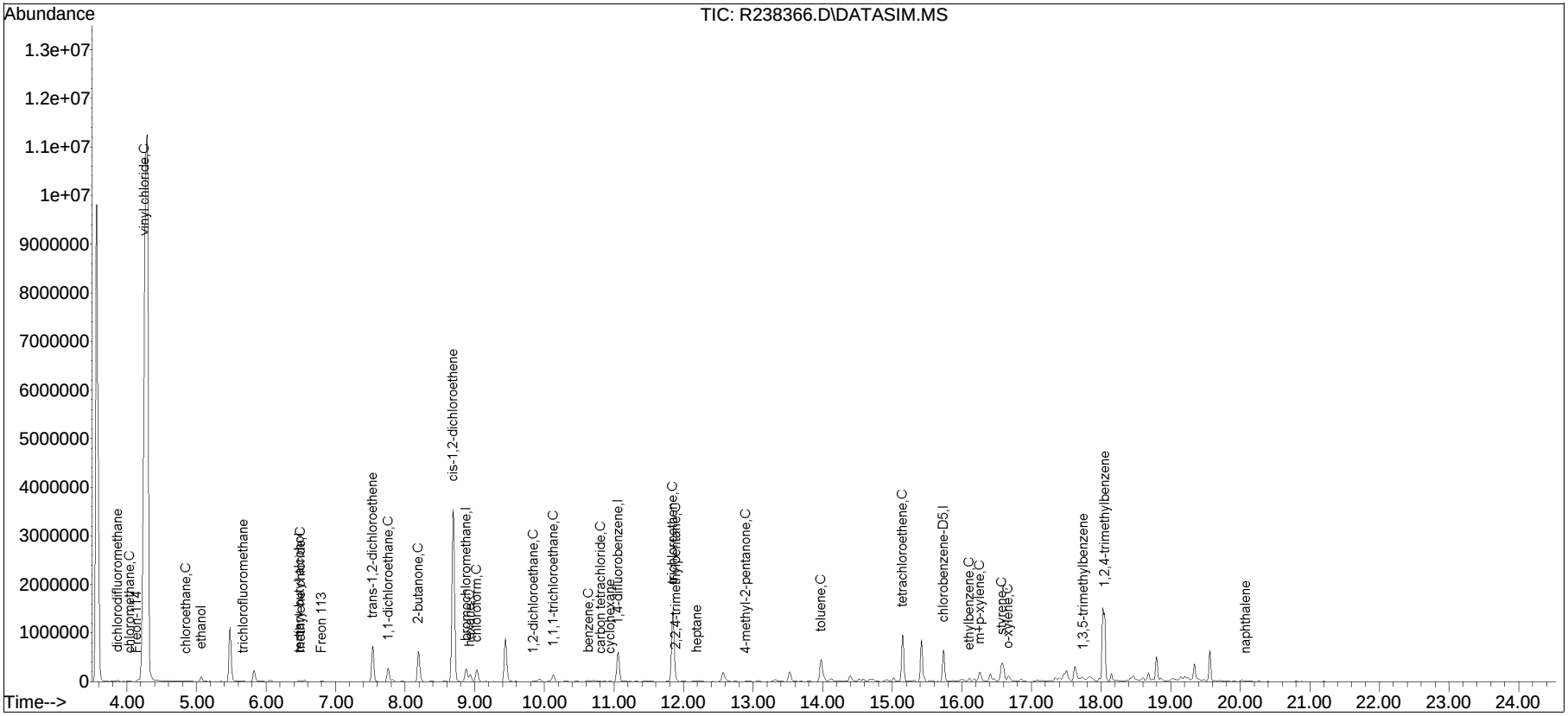
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 2,2,4-trimethylpentane	11.892	57	55856	0.739	ppbV #	96
46) heptane	12.193	43	17946M6	0.784	ppbV	
47) cis-1,3-dichloropropene	0.000		0	N.D.		
48) 4-methyl-2-pentanone	12.893	43	5880	0.166	ppbV	95
49) trans-1,3-dichloropropene	13.518		0	N.D.		
50) 1,1,2-trichloroethane	13.694		0	N.D.		
52) toluene	13.977	91	455821	5.118	ppbV	99
55) dibromochloromethane	14.436		0	N.D.		
56) 1,2-dibromoethane	14.720		0	N.D.		
57) tetrachloroethene	15.145	166	753360	12.998	ppbV	98
59) chlorobenzene	0.000		0	N.D.	d	
60) ethylbenzene	16.106	91	89997	0.782	ppbV	99
61) m+p-xylene	16.254	91	223393	2.576	ppbV	99
62) bromoform	16.332		0	N.D.		
63) styrene	16.576	104	274432	4.110	ppbV	99
64) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	d	
65) o-xylene	16.663	91	79683	0.902	ppbV	100
71) 1,3,5-trimethylbenzene	17.743	105	15219	0.158	ppbV #	94
73) 1,2,4-trimethylbenzene	18.052	105	101226M6	0.989	ppbV	
74) Benzyl Chloride	0.000		0	N.D.	d	
75) 1,3-dichlorobenzene	18.204		0	N.D.		
76) 1,4-dichlorobenzene	18.260		0	N.D.		
79) 1,2-dichlorobenzene	18.531		0	N.D.		
82) 1,2,4-trichlorobenzene	0.000		0	N.D.	d	
83) naphthalene	20.078	128	6541	0.050	ppbV	97
85) hexachlorobutadiene	0.000		0	N.D.		

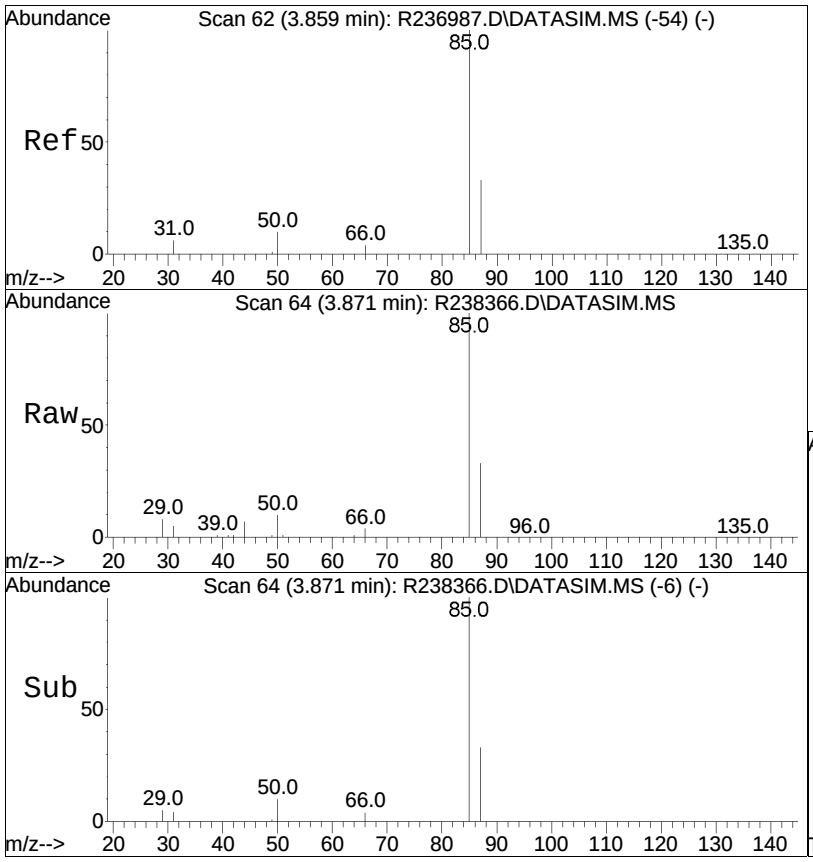
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 1,,,NYDEC-SIM - .rlab23\2026\02\0202SIM\R238353.D

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238366.D
Acq On : 03 Feb 2026 06:28 am
Operator : AIRLAB23:TPH
Sample : L2603846-05,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 03 07:43:14 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

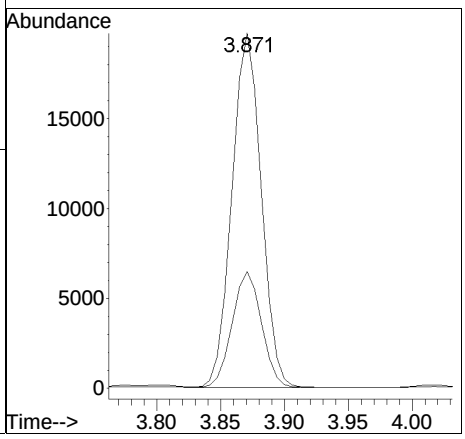


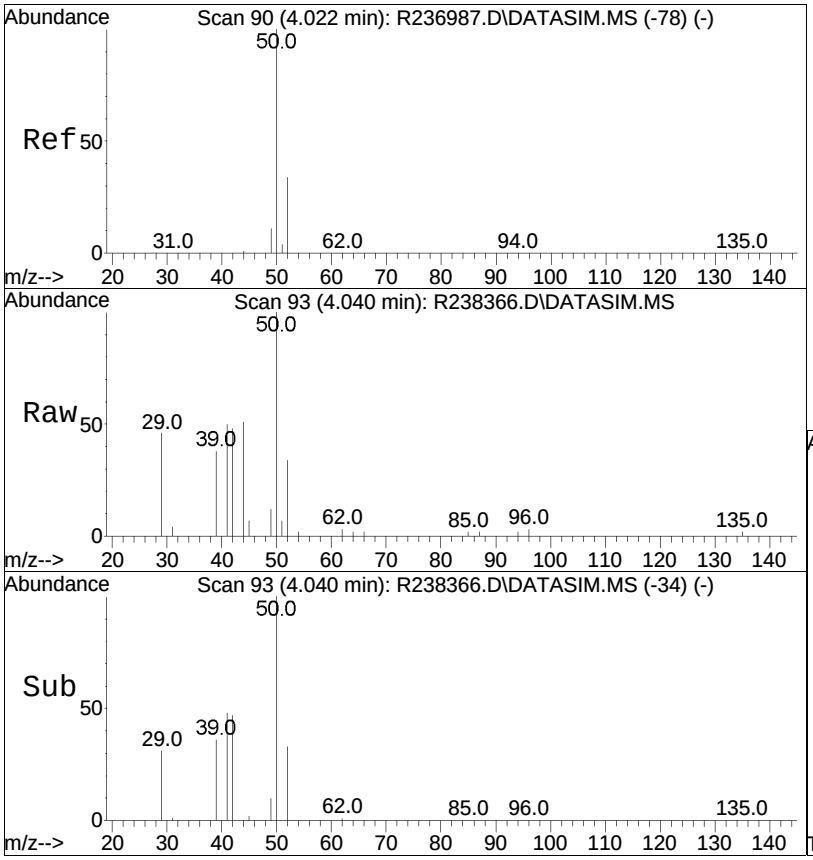


#3
dichlorodifluoromethane
Concen: 0.44 ppbV
RT: 3.871 min Scan# 64
Delta R.T. 0.012 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion: 85 Resp: 31450

Ion	Ratio	Lower	Upper
85	100		
87	32.9	26.3	39.5

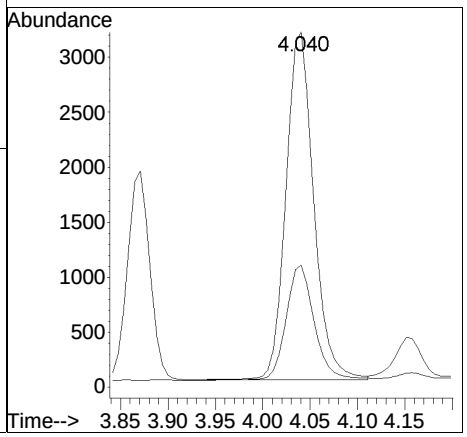


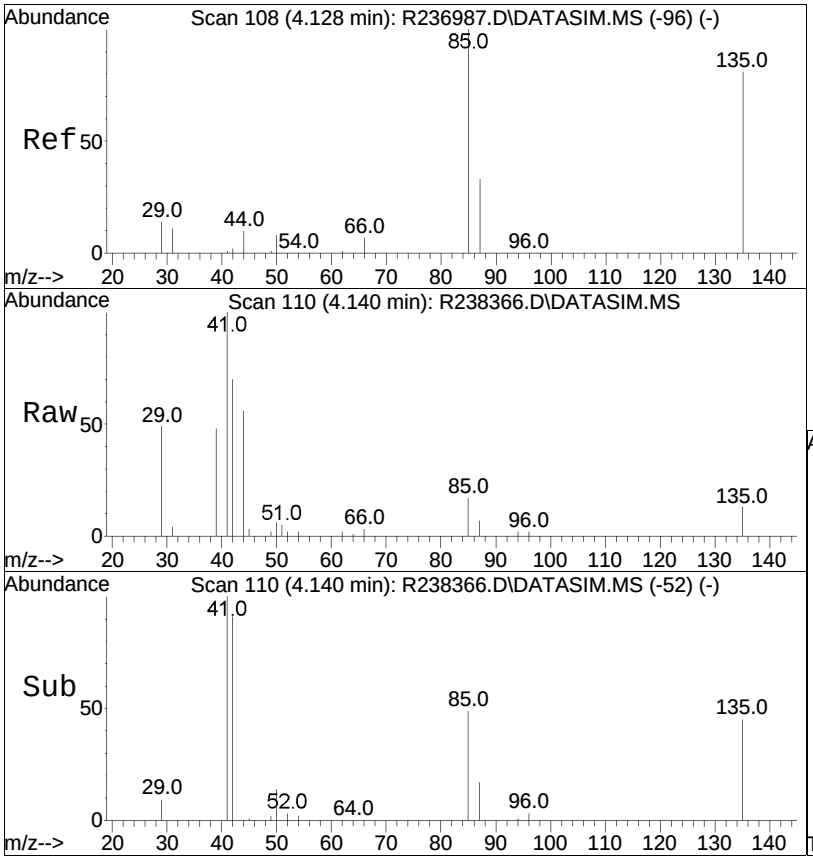


#4
chloromethane
Concen: 0.33 ppbV
RT: 4.040 min Scan# 93
Delta R.T. 0.018 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion: 50 Resp: 6463

Ion	Ratio	Lower	Upper
50	100		
52	34.4	26.9	40.3

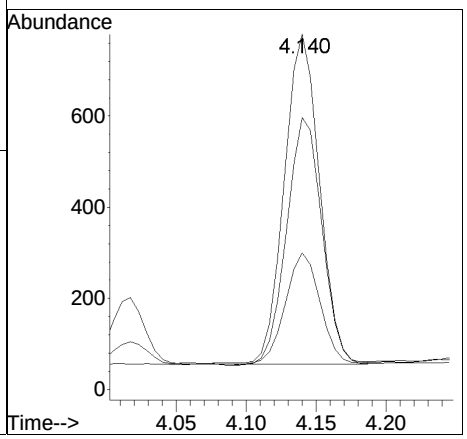


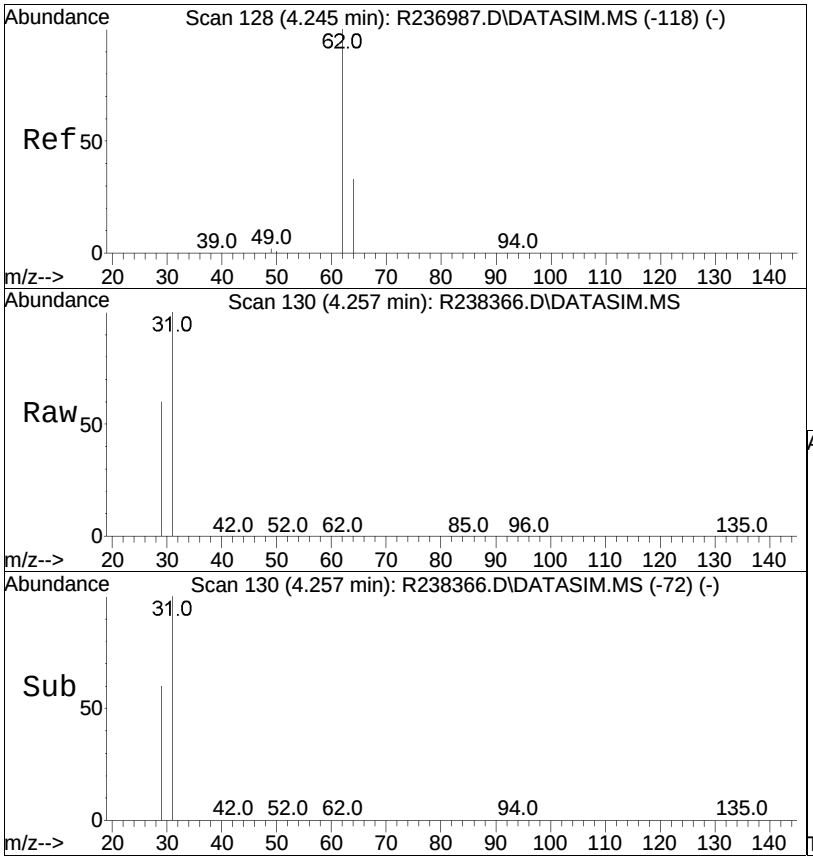


#5
Freon-114
Concen: 0.01 ppbV
RT: 4.140 min Scan# 110
Delta R.T. 0.012 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion: 85 Resp: 1268

Ion	Ratio	Lower	Upper
85	100		
87	38.5	26.4	39.6
135	76.5	64.6	97.0

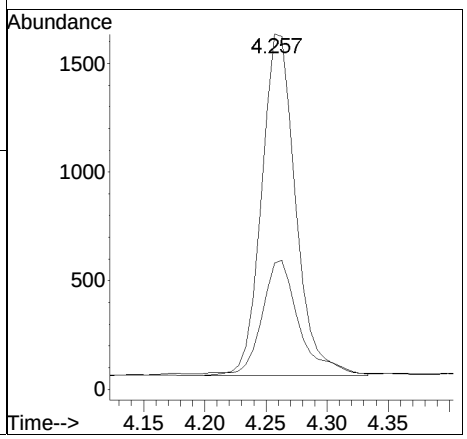


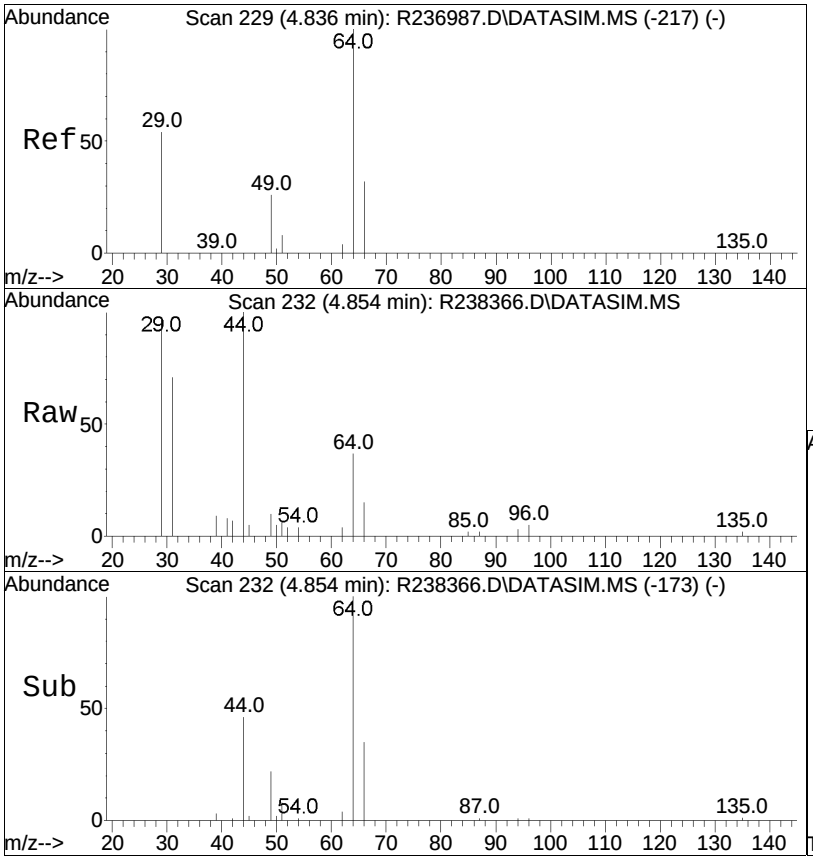


#6
vinyl chloride
Concen: 0.12 ppbV
RT: 4.257 min Scan# 130
Delta R.T. 0.012 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion: 62 Resp: 3048

Ion	Ratio	Lower	Upper
62	100		
64	35.5	26.4	39.6

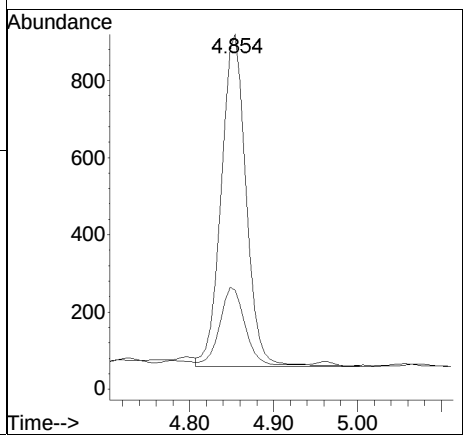


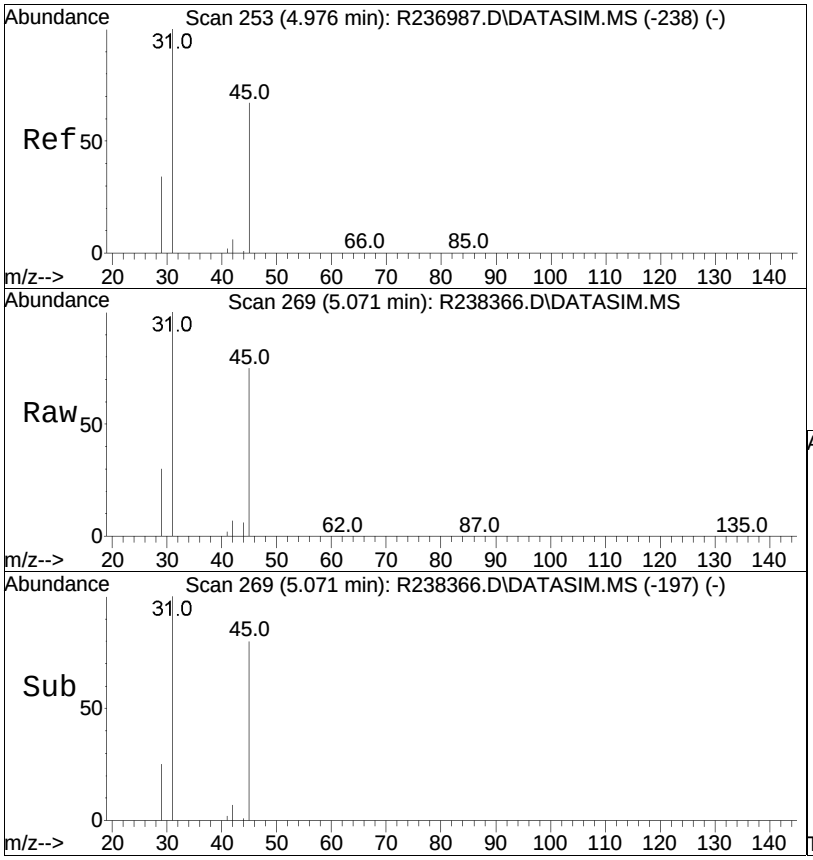


#9
chloroethane
Concen: 0.12 ppbV
RT: 4.854 min Scan# 232
Delta R.T. 0.018 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion: 64 Resp: 1769

Ion	Ratio	Lower	Upper
64	100		
49	27.9	20.8	31.2

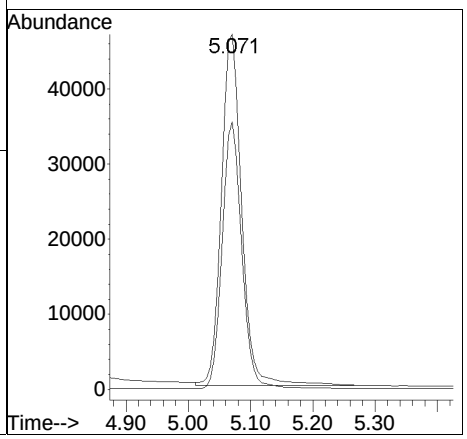


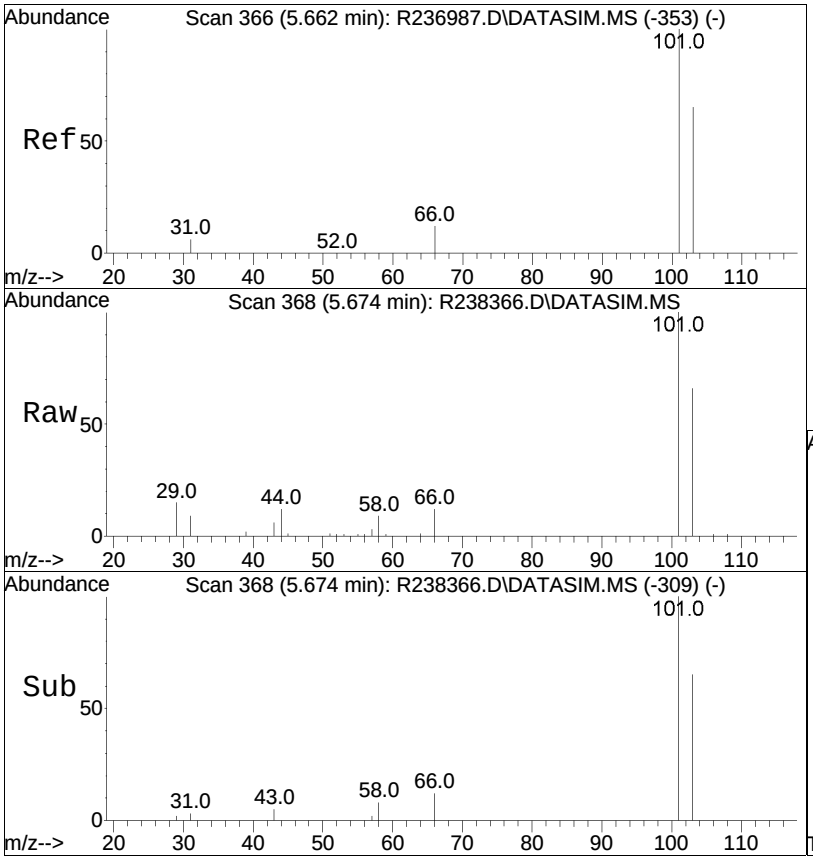


#10
ethanol
Concen: 11.71 ppbV
RT: 5.071 min Scan# 269
Delta R.T. 0.094 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion: 31 Resp: 115310

Ion	Ratio	Lower	Upper
31	100		
45	75.3	53.5	80.3

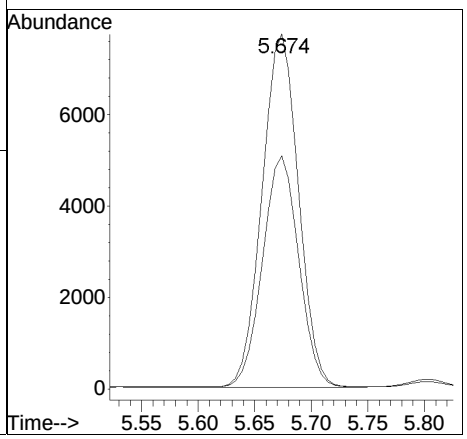


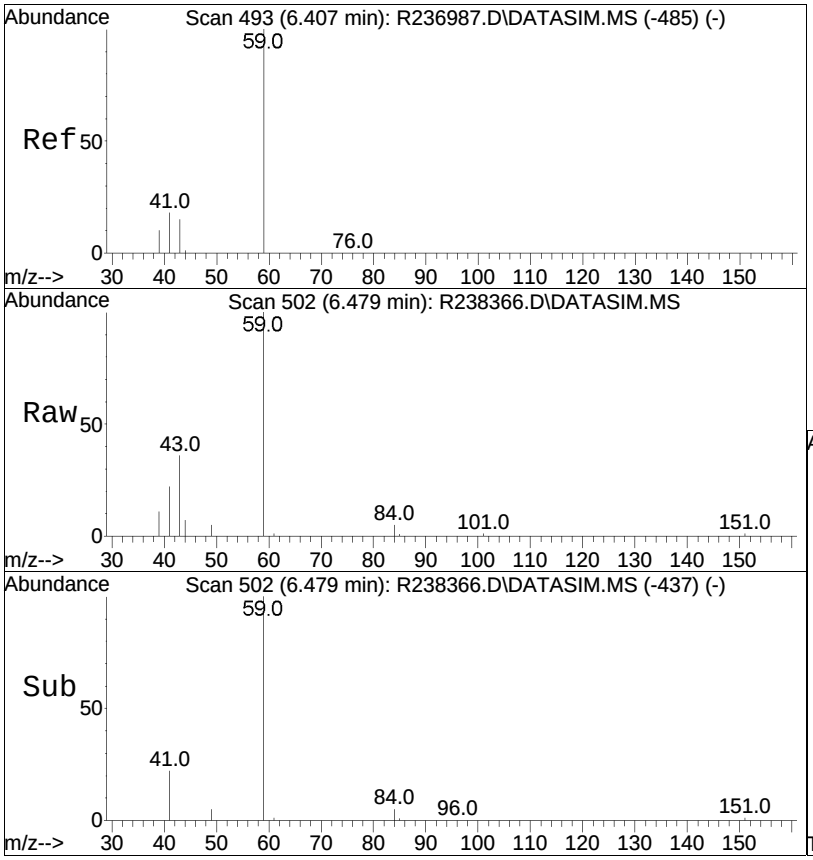


#14
trichlorofluoromethane
Concen: 0.23 ppbV
RT: 5.674 min Scan# 368
Delta R.T. 0.012 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion:101 Resp: 17230

Ion	Ratio	Lower	Upper
101	100		
103	65.8	52.1	78.1

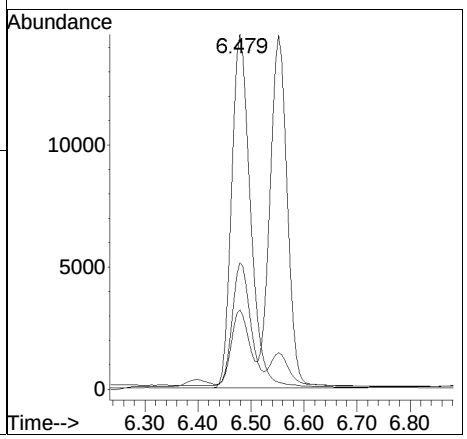


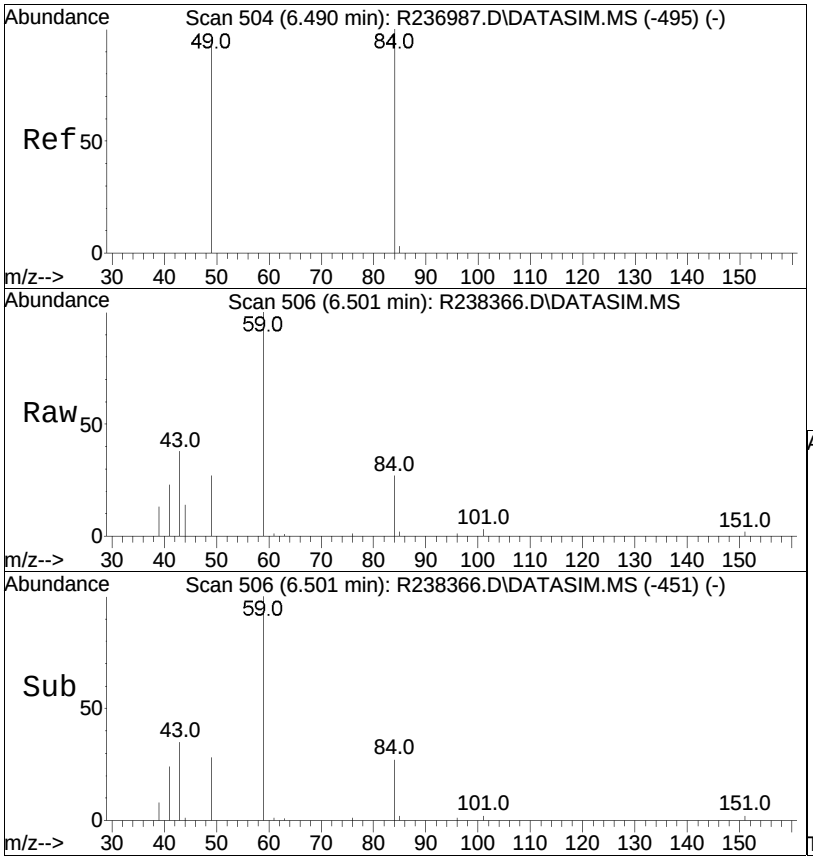


#18
tertiary butyl alcohol
Concen: 1.30 ppbV
RT: 6.479 min Scan# 502
Delta R.T. 0.072 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion: 59 Resp: 38692

Ion	Ratio	Lower	Upper
59	100		
41	19.7	15.4	23.0
43	30.8	12.2	18.2#

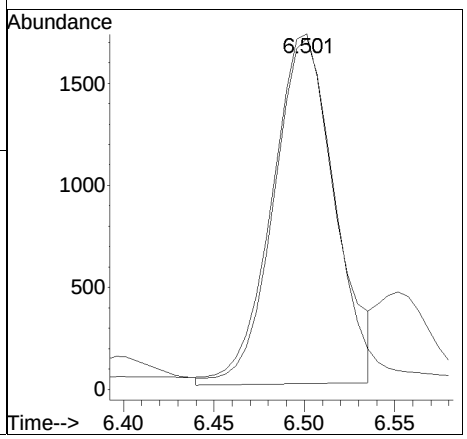


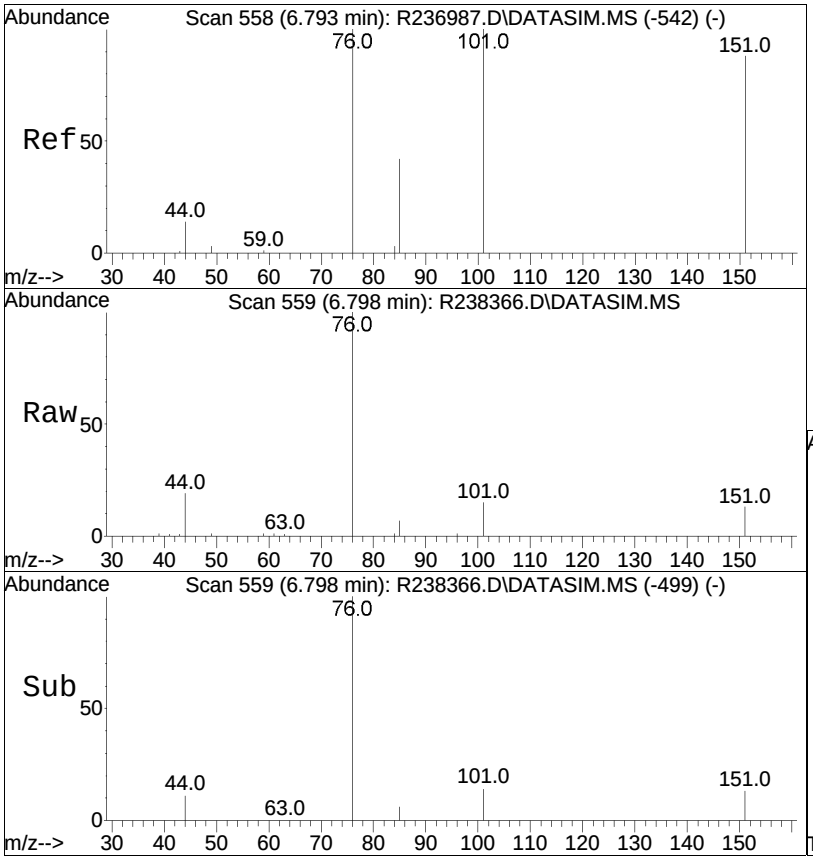


#19
methylene chloride
Concen: 0.17 ppbV
RT: 6.501 min Scan# 506
Delta R.T. 0.011 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion: 49 Resp: 4145

Ion	Ratio	Lower	Upper
49	100		
84	98.8	83.5	125.3

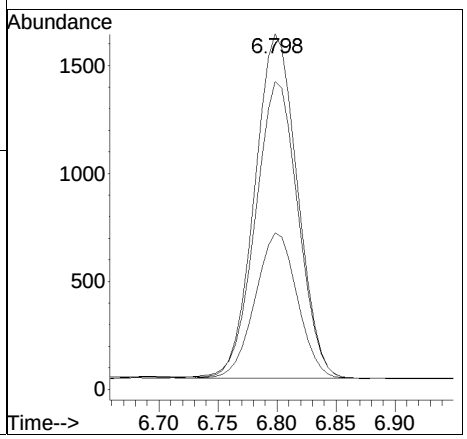


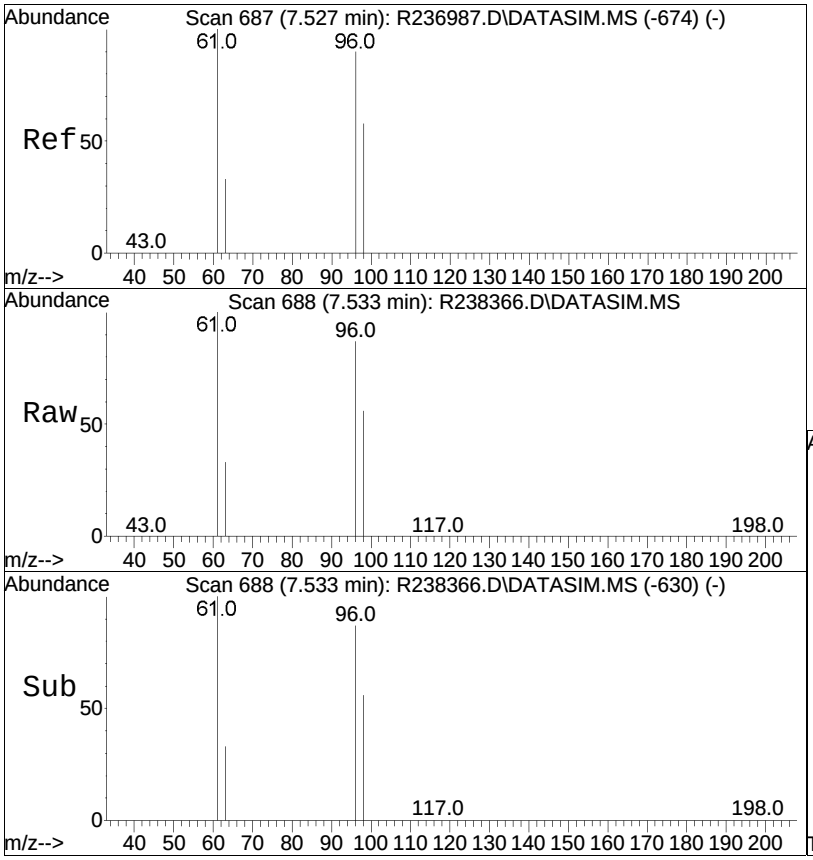


#22
Freon 113
Concen: 0.07 ppbV
RT: 6.798 min Scan# 559
Delta R.T. 0.006 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion:101 Resp: 4014

Ion	Ratio	Lower	Upper
101	100		
85	44.0	33.8	50.8
151	86.6	71.0	106.4

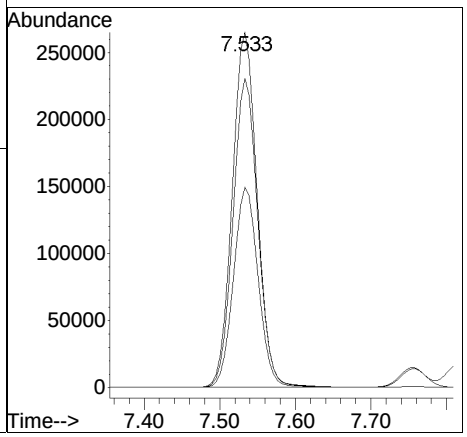


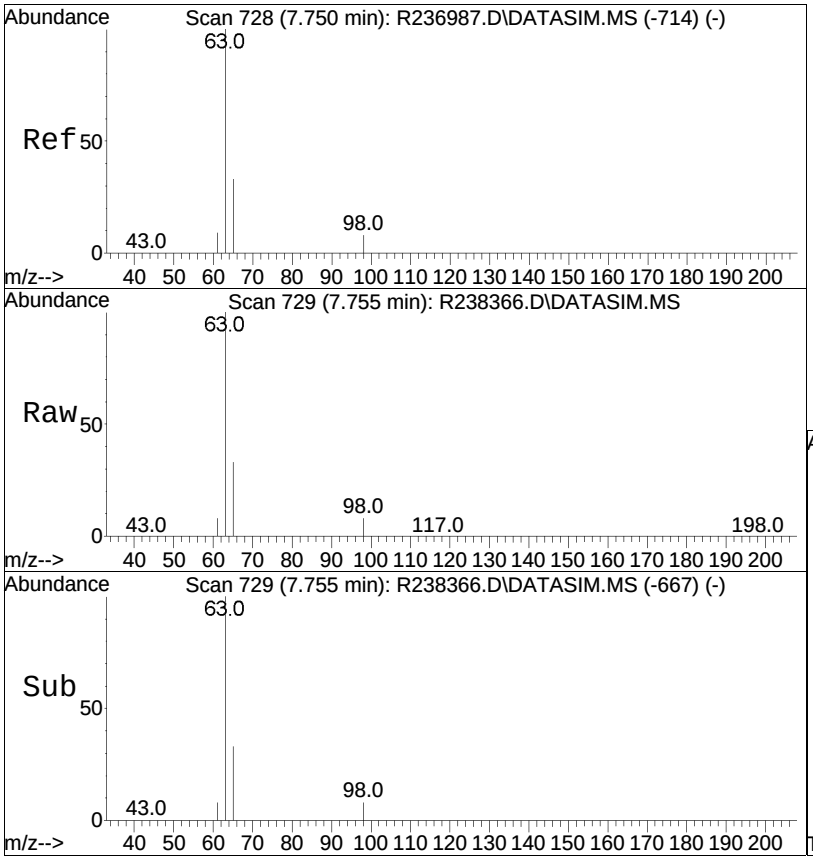


#23
trans-1,2-dichloroethene
Concen: 20.13 ppbV
RT: 7.533 min Scan# 688
Delta R.T. 0.006 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion: 61 Resp: 604162

Ion	Ratio	Lower	Upper
61	100		
96	87.0	71.8	107.8
98	56.3	46.2	69.2

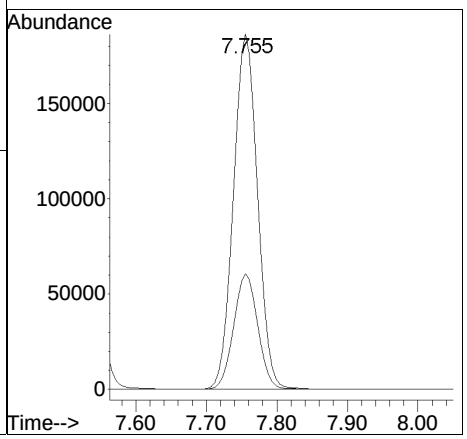


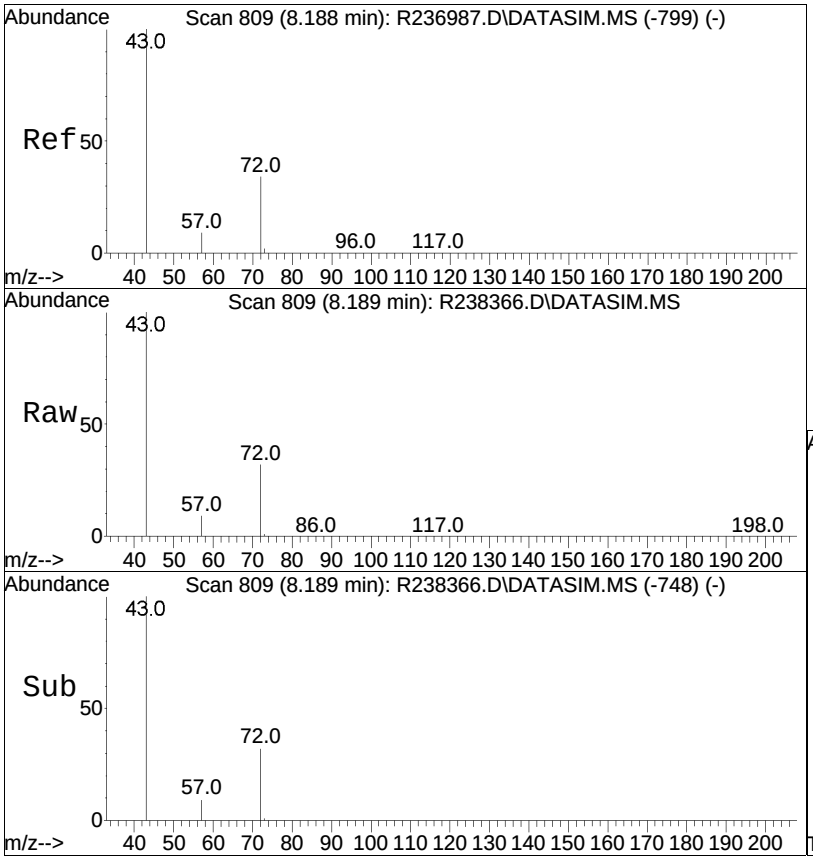


#24
1,1-dichloroethane
Concen: 10.62 ppbV
RT: 7.755 min Scan# 729
Delta R.T. 0.006 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion: 63 Resp: 442709

Ion	Ratio	Lower	Upper
63	100		
65	32.6	26.1	39.1

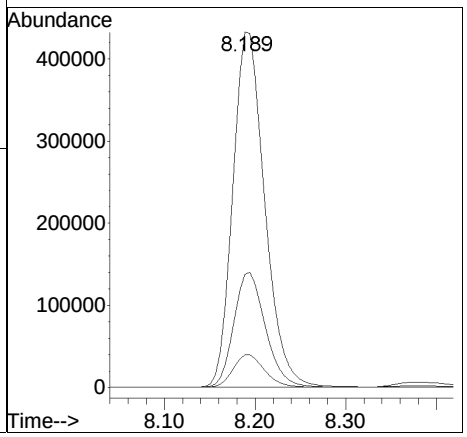


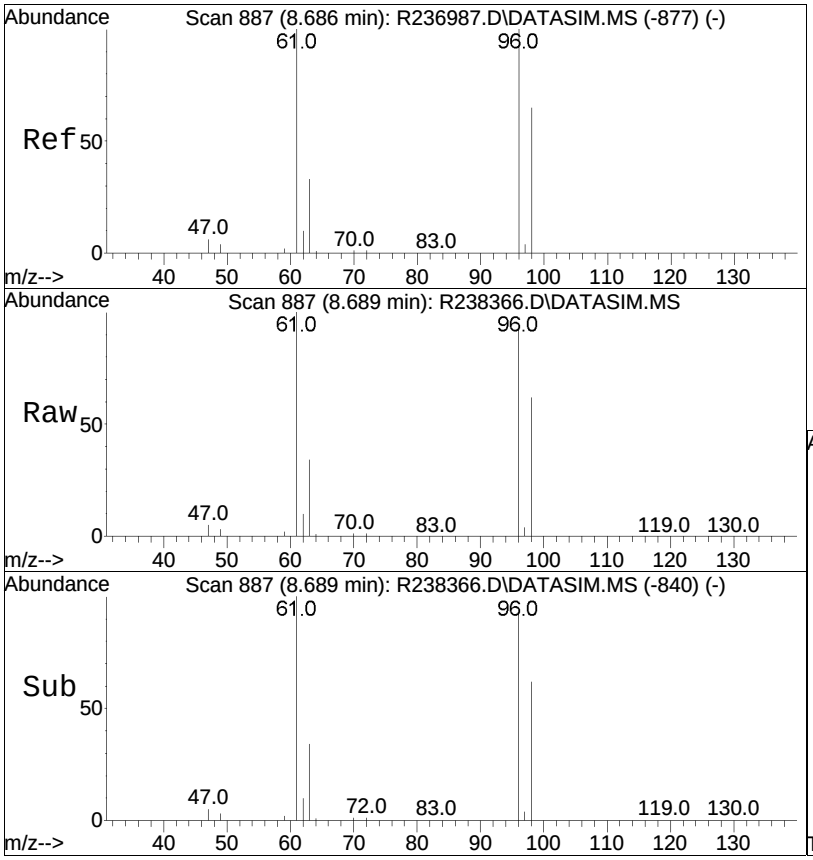


#27
2-butanone
Concen: 32.98 ppbV
RT: 8.189 min Scan# 809
Delta R.T. 0.000 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion: 43 Resp: 1058006

Ion	Ratio	Lower	Upper
43	100		
72	31.8	27.0	40.4
57	9.2	7.7	11.5

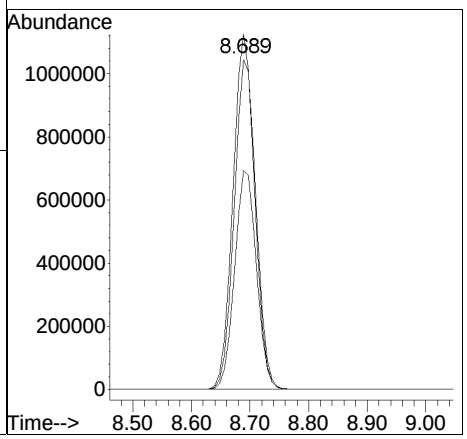


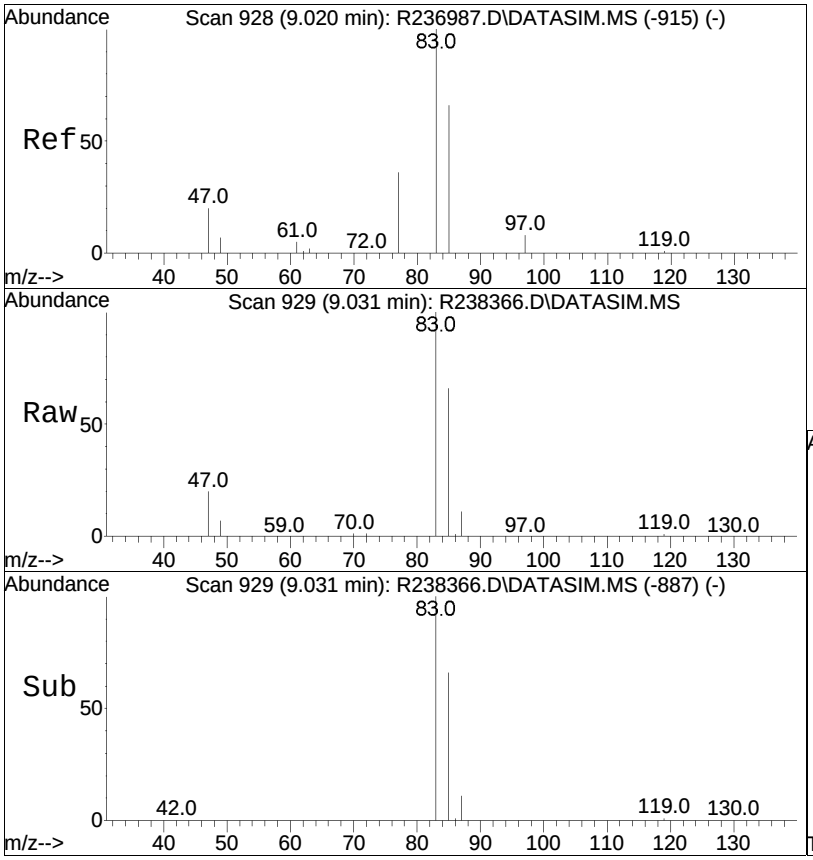


#28
cis-1,2-dichloroethene
Concen: 89.15 ppbV
RT: 8.689 min Scan# 887
Delta R.T. 0.003 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion: 61 Resp: 2877934

Ion	Ratio	Lower	Upper
61	100		
96	92.8	80.4	120.6
98	61.5	52.0	78.0

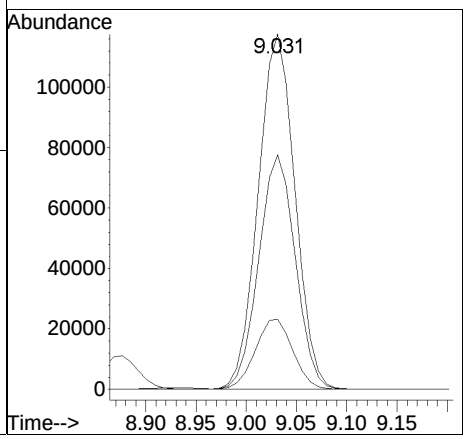


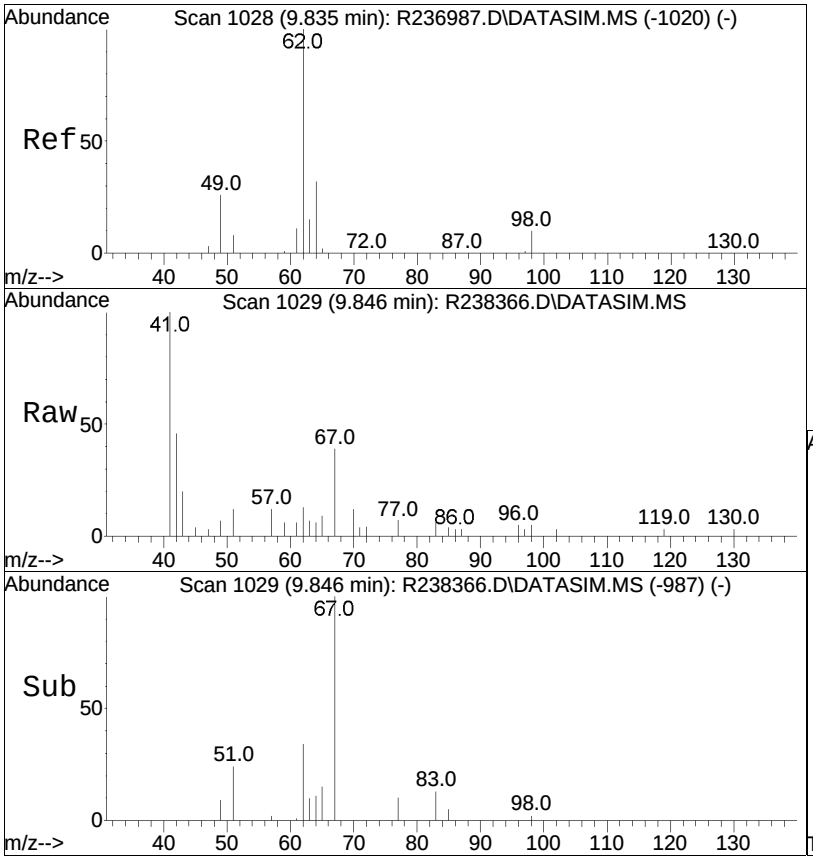


#30
chloroform
Concen: 4.95 ppbV
RT: 9.031 min Scan# 929
Delta R.T. 0.011 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion: 83 Resp: 299336

Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.8	79.2
47	19.7	16.7	25.1

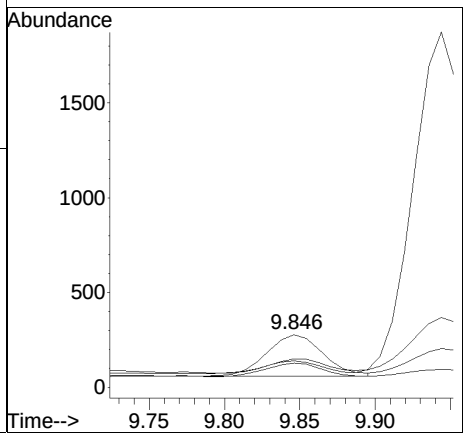


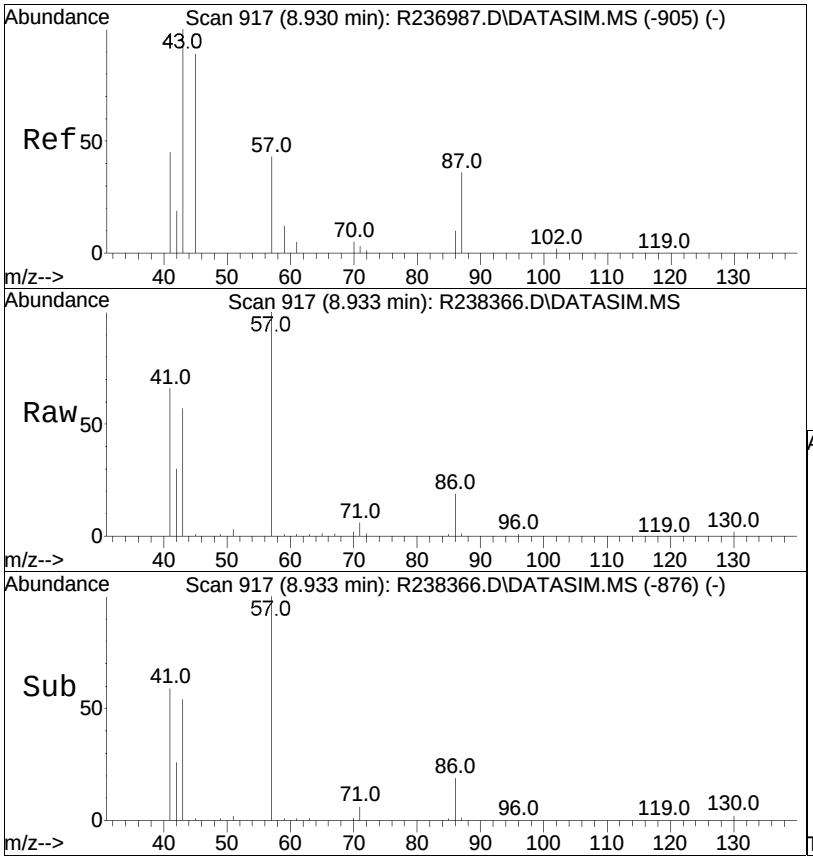


#32
1,2-dichloroethane
Concen: 0.02 ppbV
RT: 9.846 min Scan# 1029
Delta R.T. 0.011 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion: 62 Resp: 562

Ion	Ratio	Lower	Upper
62	100		
64	46.4	26.2	39.2#
49	50.4	20.6	31.0#
63	54.3	12.3	18.5#

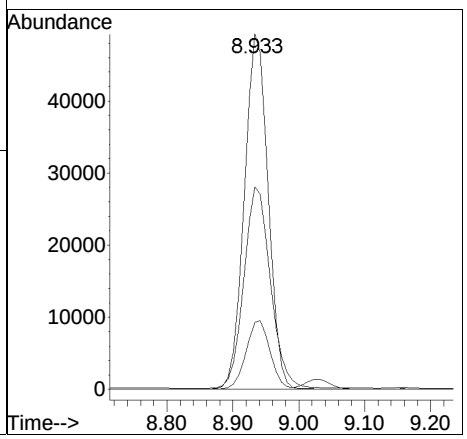


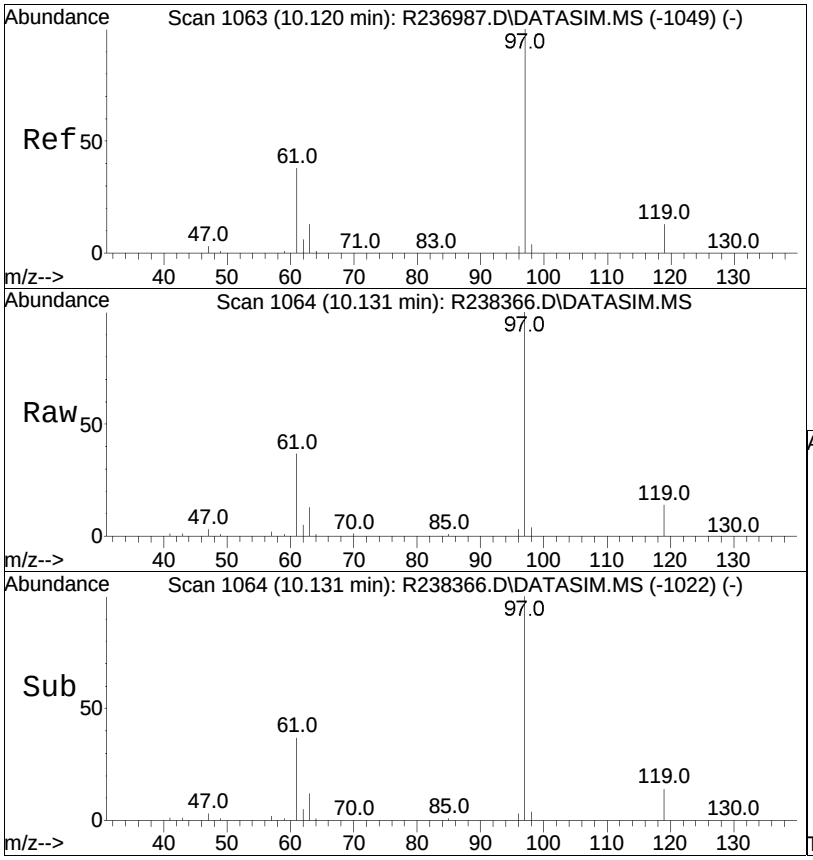


#34
hexane
Concen: 5.06 ppbV
RT: 8.933 min Scan# 917
Delta R.T. 0.003 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion: 57 Resp: 122968

Ion	Ratio	Lower	Upper
57	100		
43	57.1	186.2	279.4#
86	18.9	17.8	26.8

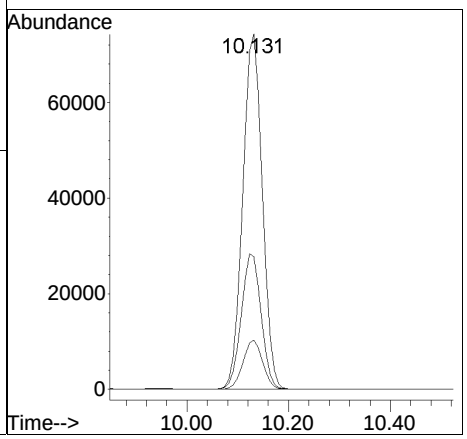


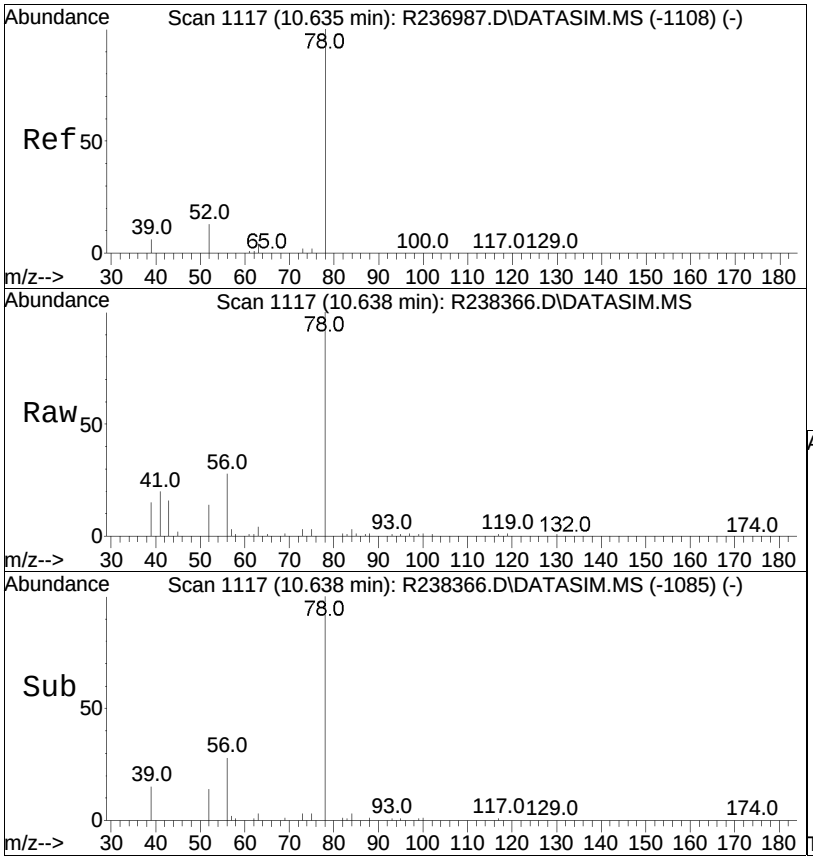


#36
1,1,1-trichloroethane
Concen: 3.50 ppbV
RT: 10.131 min Scan# 1064
Delta R.T. 0.011 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion: 97 Resp: 222332

Ion	Ratio	Lower	Upper
97	100		
61	37.3	30.6	45.8
119	13.9	10.6	16.0

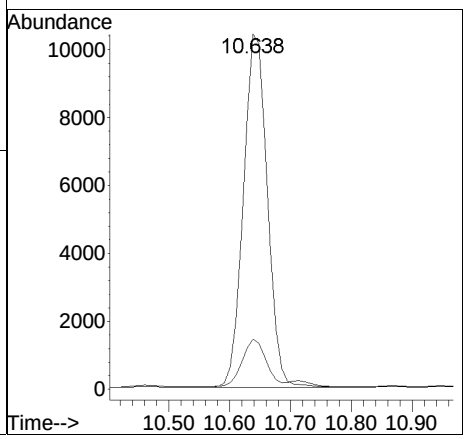


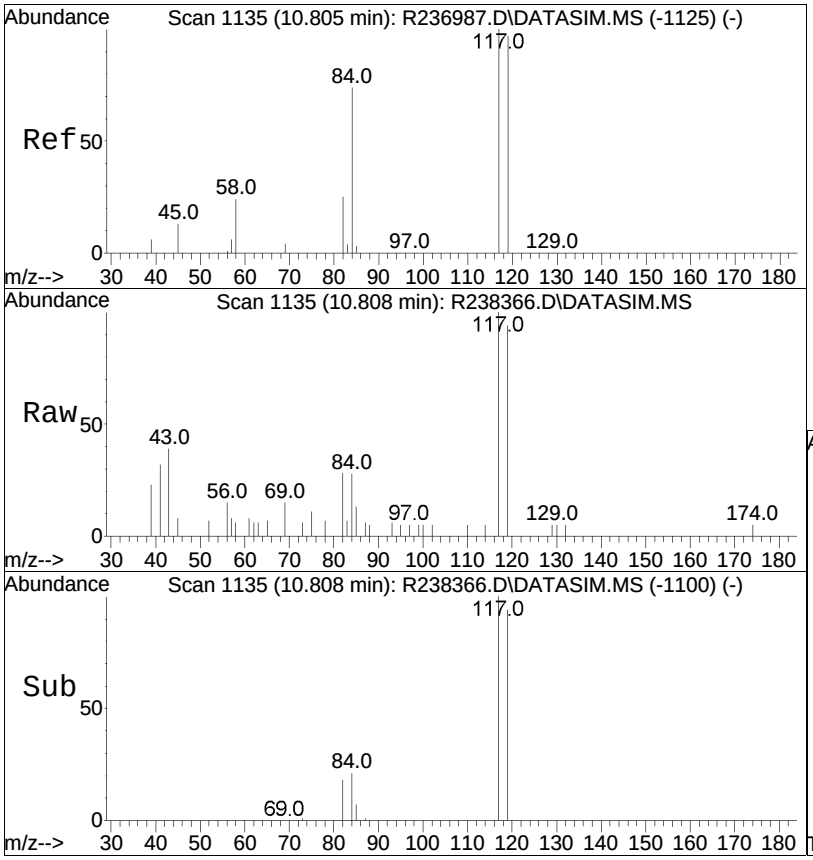


#37
benzene
Concen: 0.40 ppbV
RT: 10.638 min Scan# 1117
Delta R.T. 0.003 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion: 78 Resp: 28394

Ion	Ratio	Lower	Upper
78	100		
52	14.1	10.2	15.2

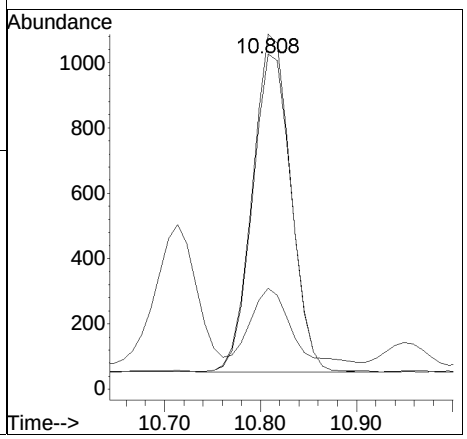


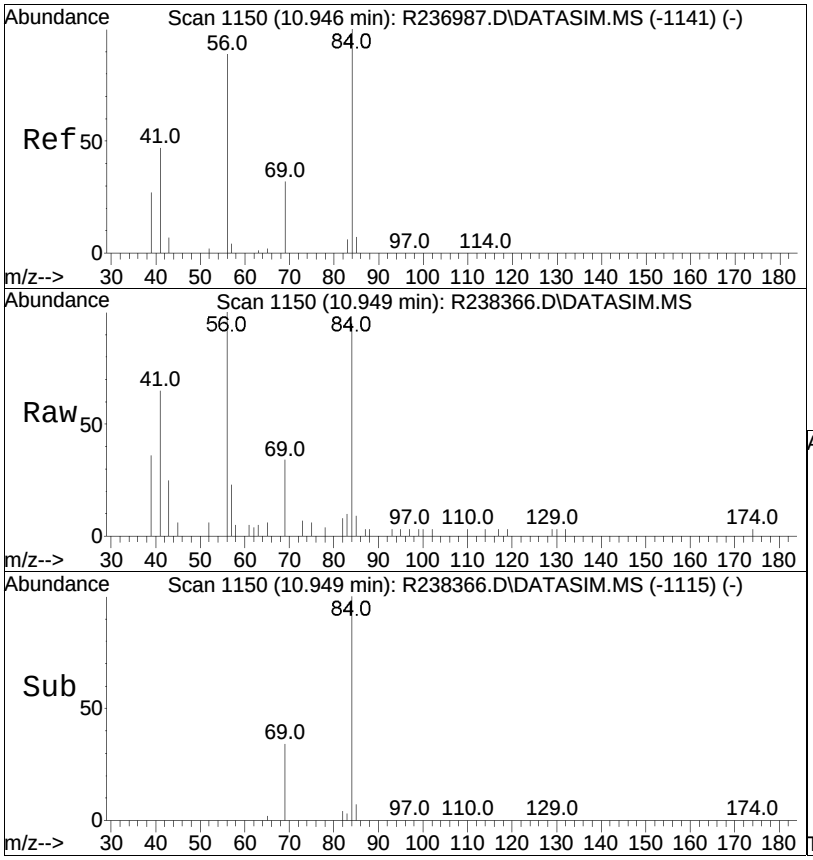


#38
carbon tetrachloride
Concen: 0.04 ppbV
RT: 10.808 min Scan# 1135
Delta R.T. 0.003 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion:117 Resp: 2875

Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.4	116.0
82	28.4	20.3	30.5

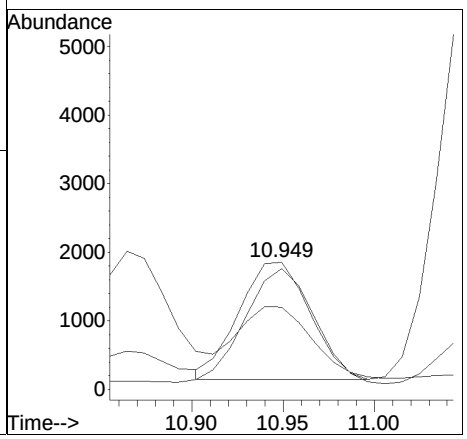


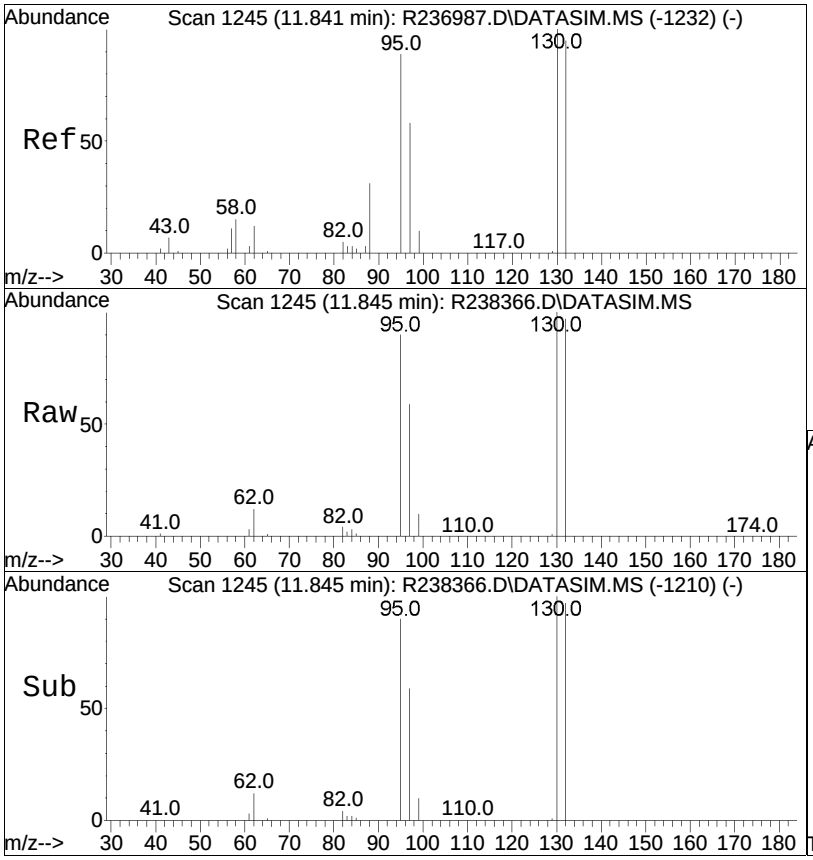


#39
cyclohexane
Concen: 0.19 ppbV
RT: 10.949 min Scan# 1150
Delta R.T. 0.003 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion: 56 Resp: 4635

Ion	Ratio	Lower	Upper
56	100		
84	95.0	91.0	136.4
41	64.7	42.9	64.3#

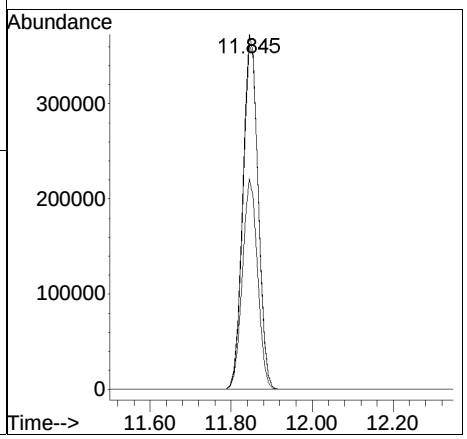


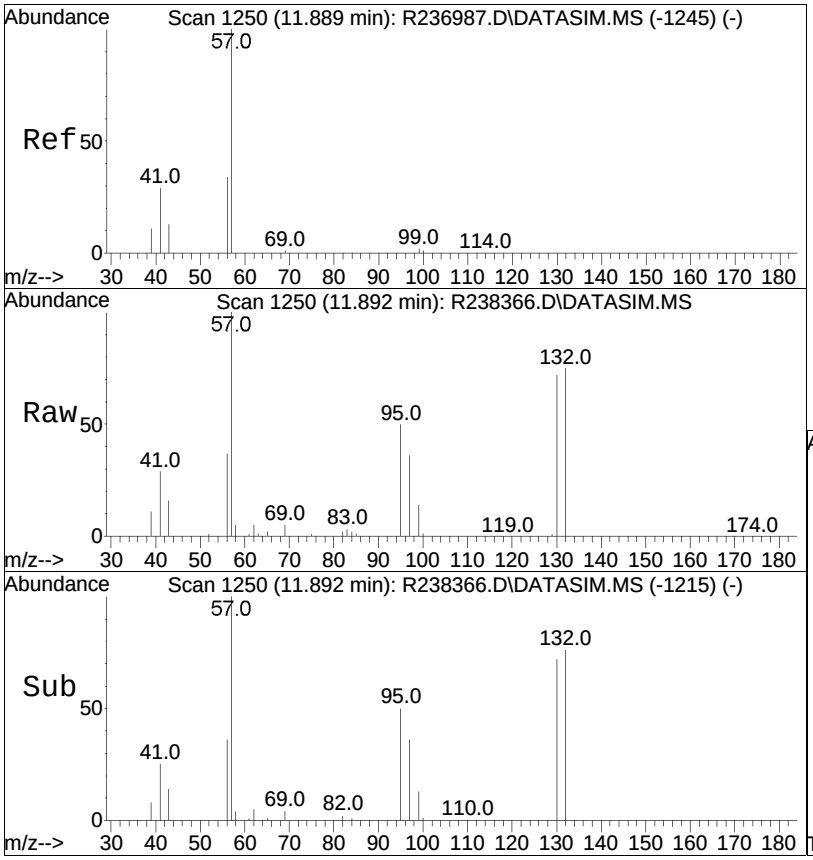


#44
trichloroethene
Concen: 22.84 ppbV
RT: 11.845 min Scan# 1245
Delta R.T. 0.003 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion:130 Resp: 977691

Ion	Ratio	Lower	Upper
130	100		
132	97.2	76.4	114.6
97	59.3	46.3	69.5

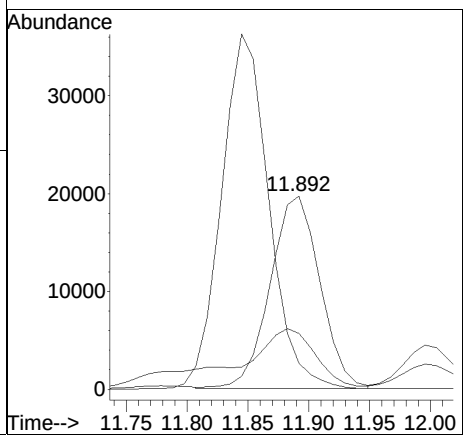


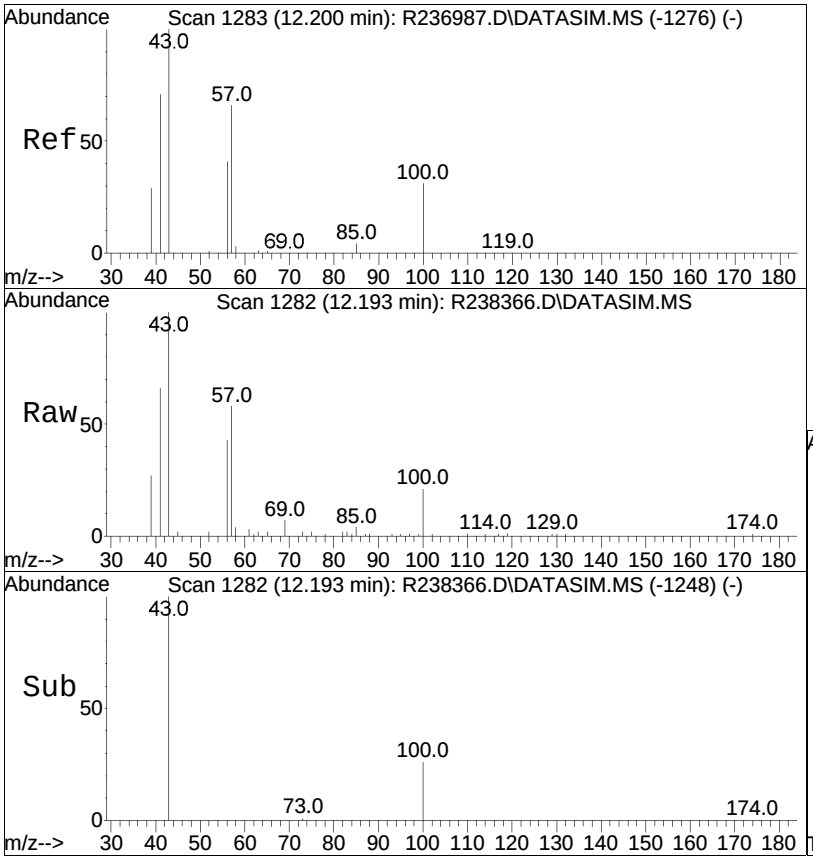


#45
2,2,4-trimethylpentane
Concen: 0.74 ppbV
RT: 11.892 min Scan# 1250
Delta R.T. 0.003 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion: 57 Resp: 55856

Ion	Ratio	Lower	Upper
57	100		
99	13.6	6.7	10.1#
41	29.0	22.7	34.1

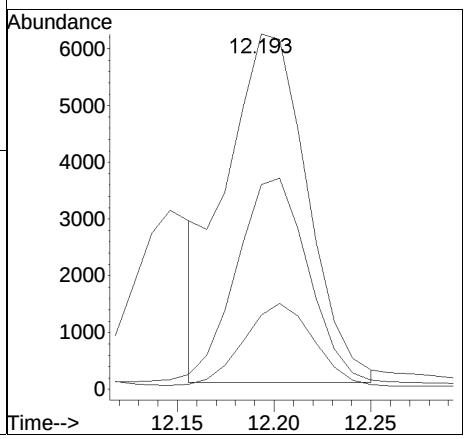


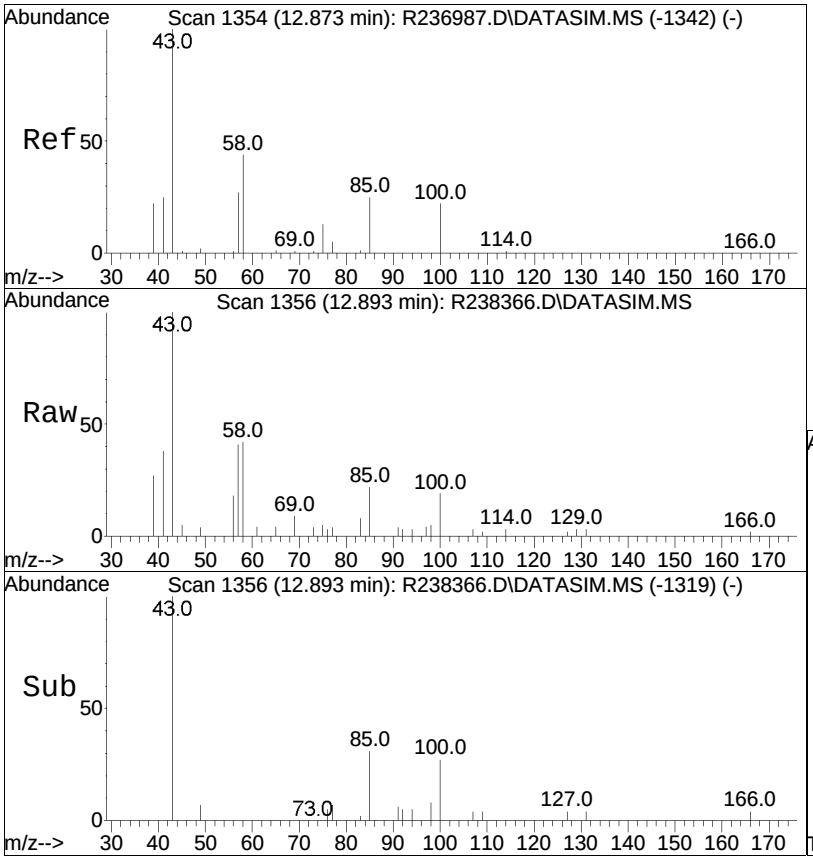


#46
heptane
Concen: 0.78 ppbV m
RT: 12.193 min Scan# 1282
Delta R.T. -0.006 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion: 43 Resp: 17946

Ion	Ratio	Lower	Upper
43	100		
57	57.6	52.5	78.7
100	20.9	26.0	39.0#

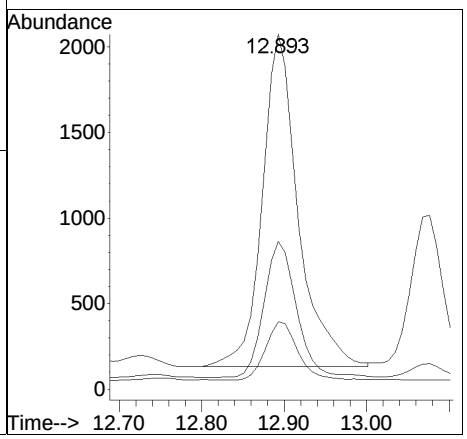


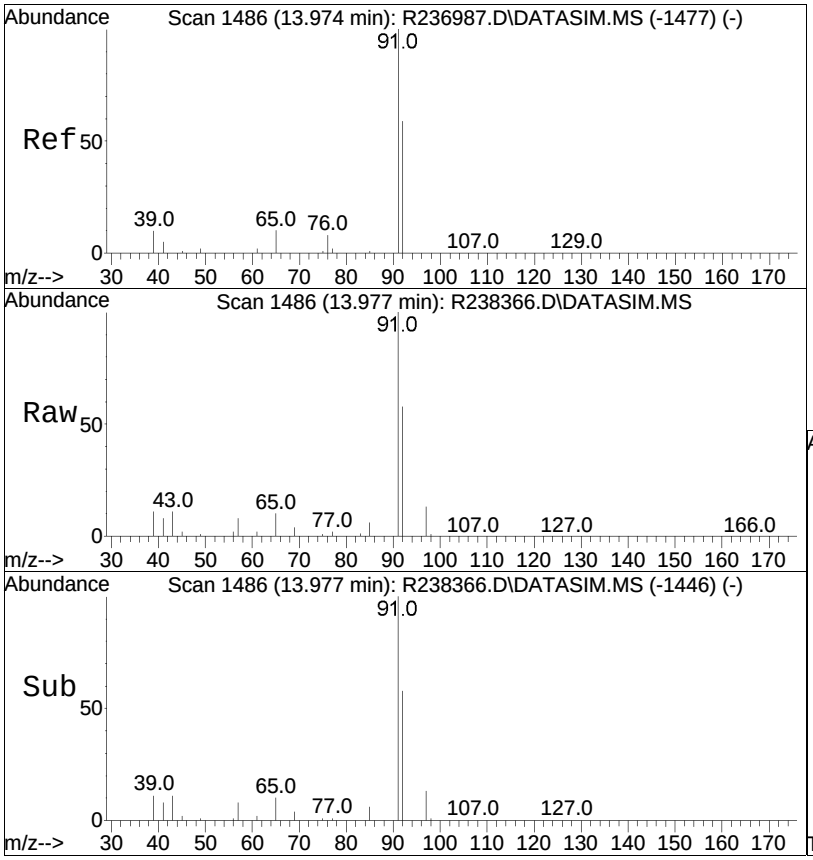


#48
4-methyl-2-pentanone
Concen: 0.17 ppbV
RT: 12.893 min Scan# 1356
Delta R.T. 0.020 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion: 43 Resp: 5880

Ion	Ratio	Lower	Upper
43	100		
58	41.7	35.0	52.6
100	19.0	17.9	26.9

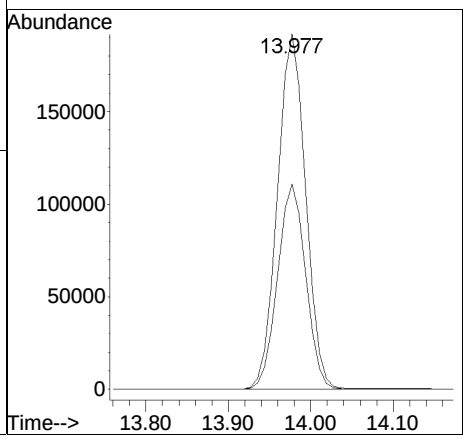


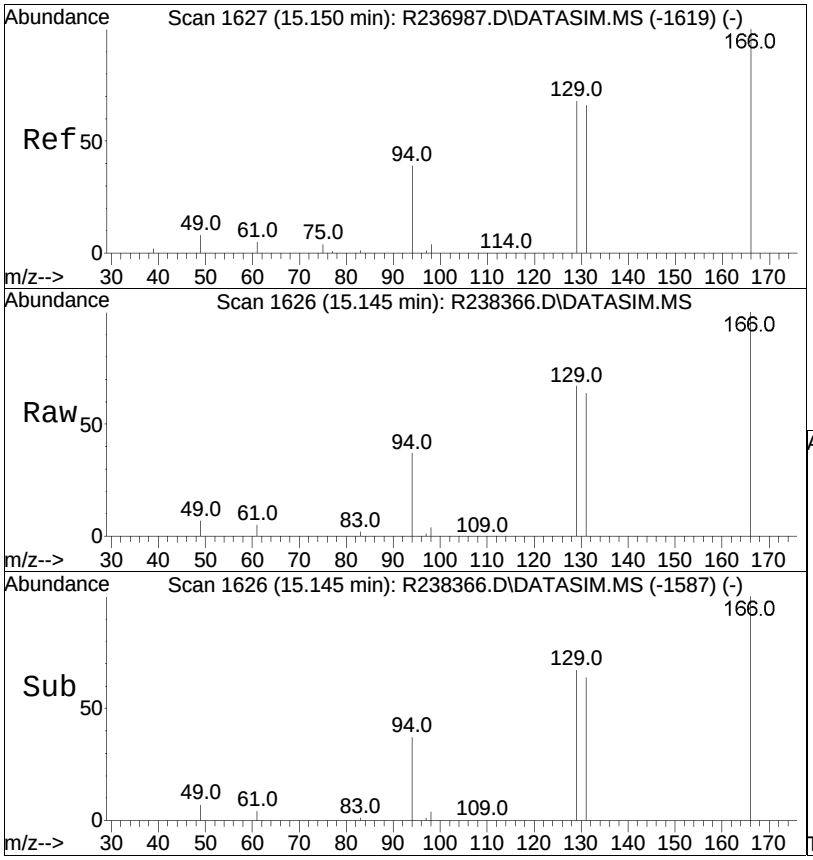


#52
toluene
Concen: 5.12 ppbV
RT: 13.977 min Scan# 1486
Delta R.T. 0.003 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion: 91 Resp: 455821

Ion	Ratio	Lower	Upper
91	100		
92	57.8	46.8	70.2

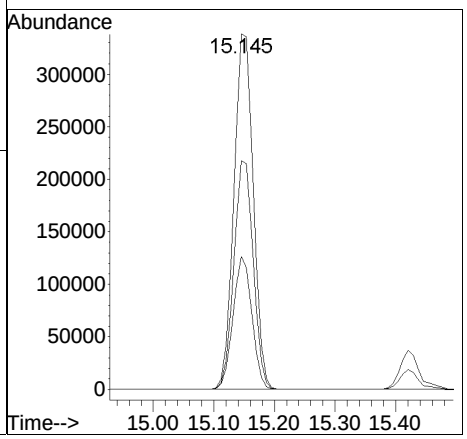


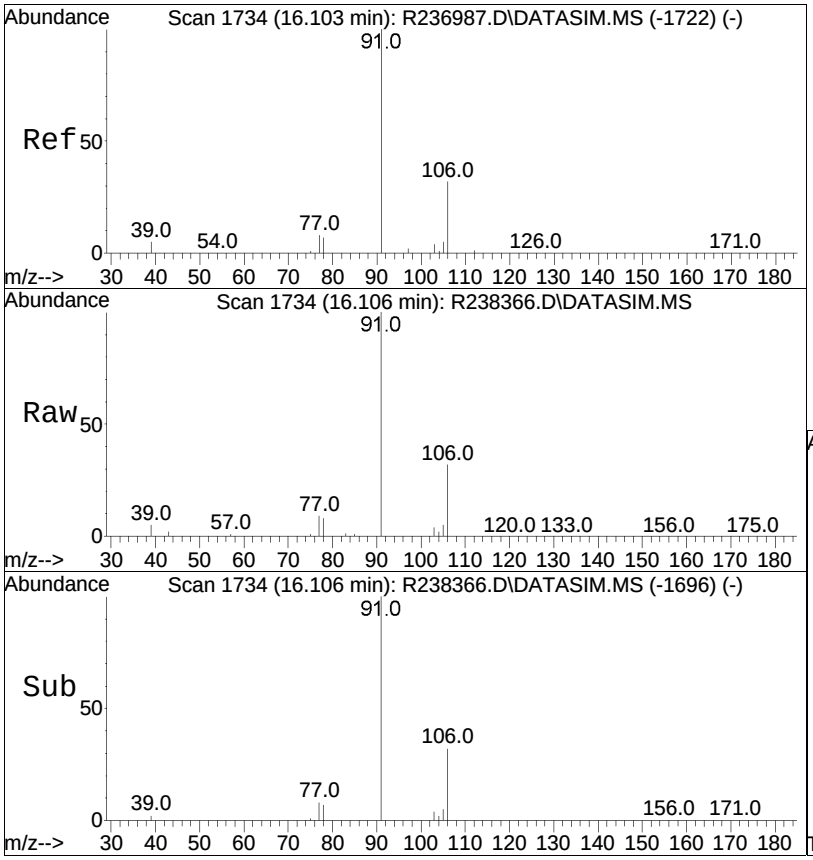


#57
tetrachloroethene
Concen: 13.00 ppbV
RT: 15.145 min Scan# 1626
Delta R.T. -0.005 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion:166 Resp: 753360

Ion	Ratio	Lower	Upper
166	100		
131	64.3	53.0	79.6
94	37.4	31.0	46.6

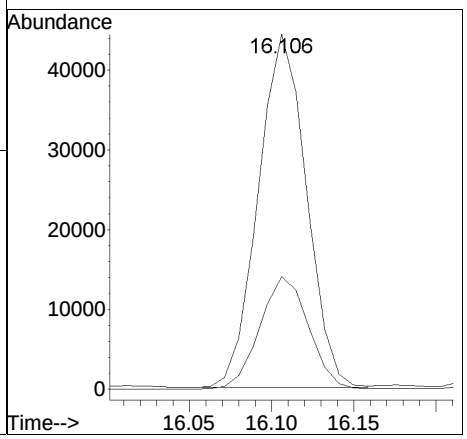


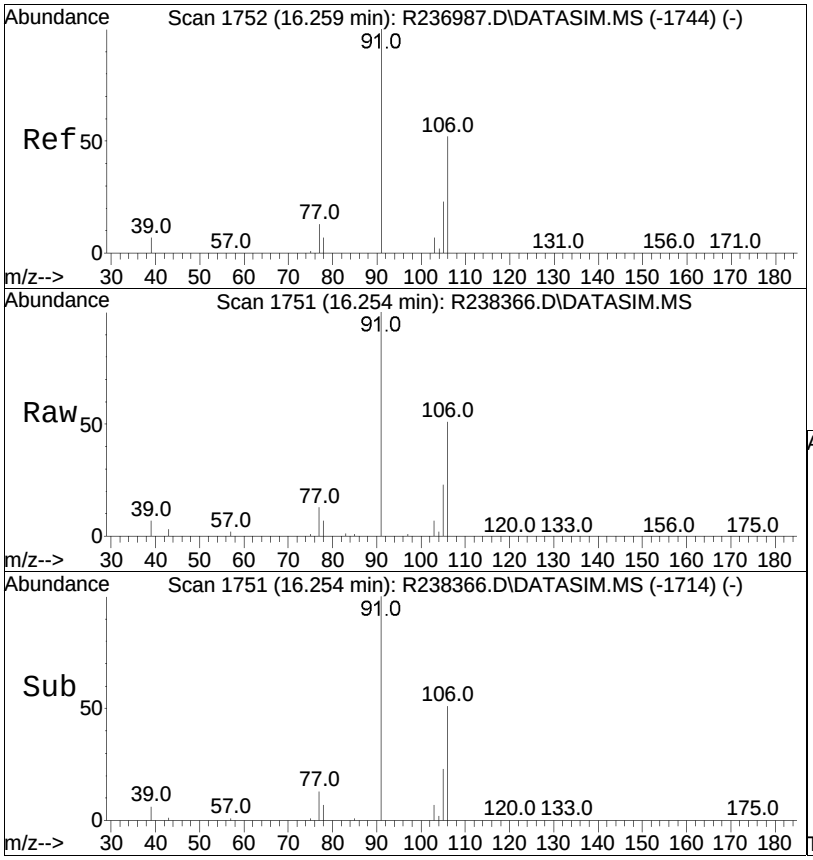


#60
ethylbenzene
Concen: 0.78 ppbV
RT: 16.106 min Scan# 1734
Delta R.T. 0.004 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion: 91 Resp: 89997

Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.8	38.8

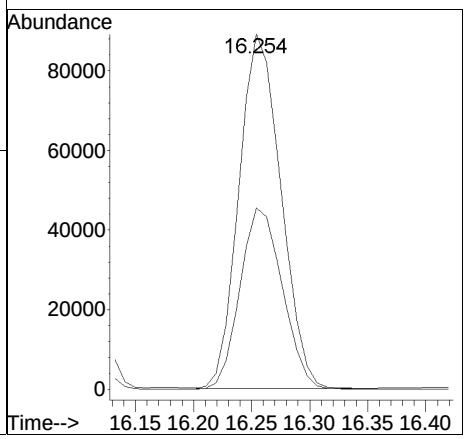


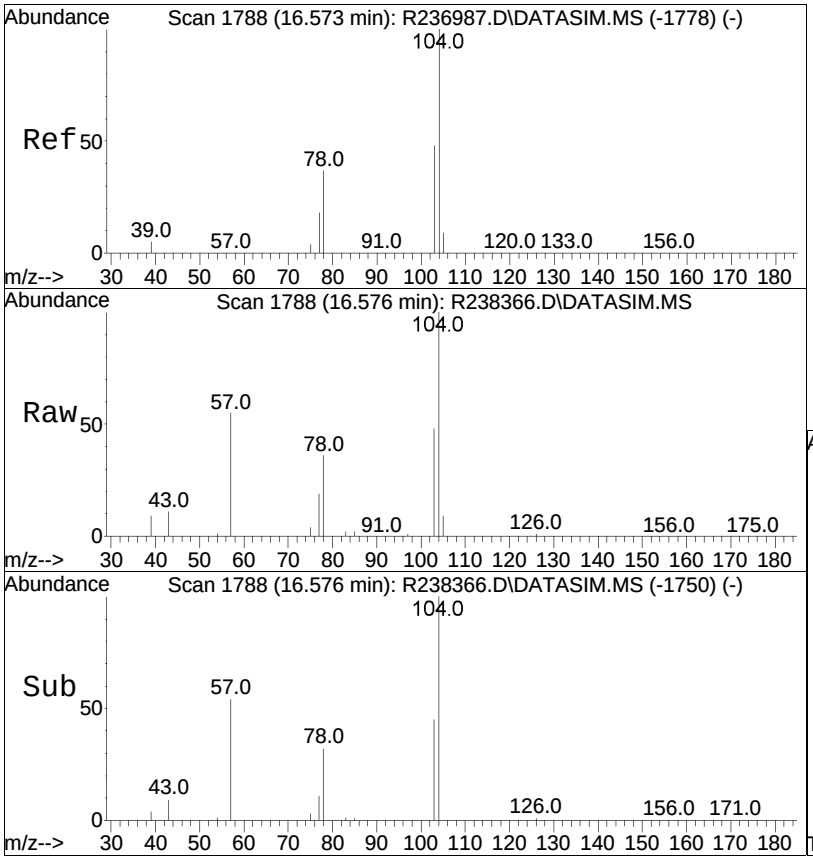


#61
m+p-xylene
Concen: 2.58 ppbV
RT: 16.254 min Scan# 1751
Delta R.T. -0.005 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion: 91 Resp: 223393

Ion	Ratio	Lower	Upper
91	100		
106	51.1	41.5	62.3

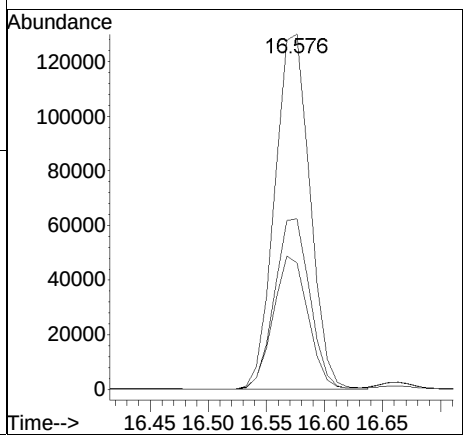


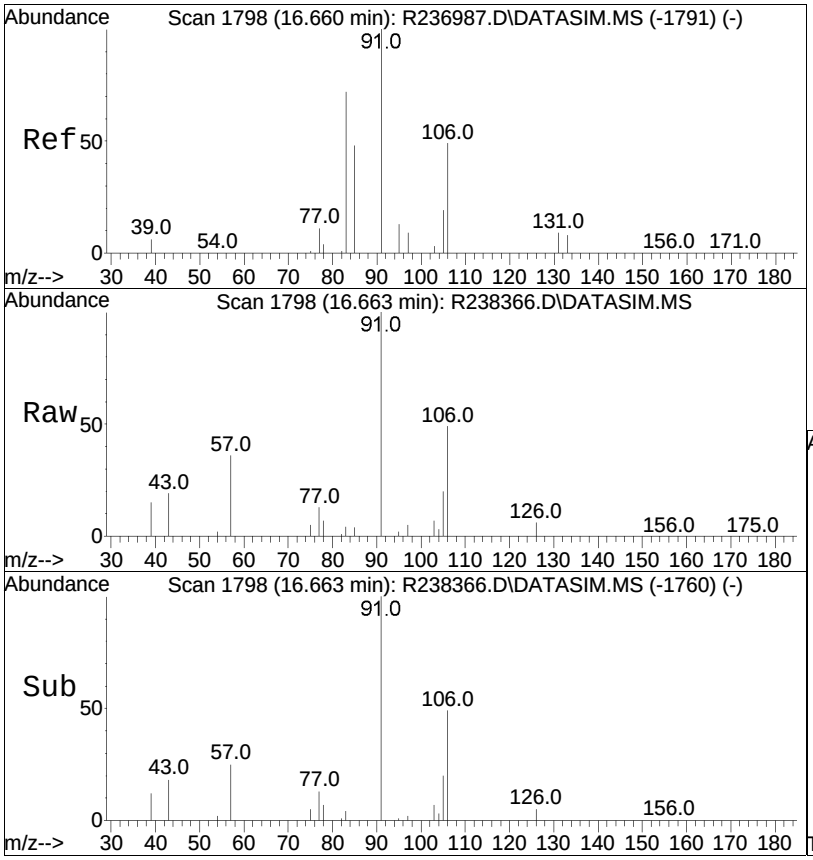


#63
styrene
Concen: 4.11 ppbV
RT: 16.576 min Scan# 1788
Delta R.T. 0.004 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion:104 Resp: 274432

Ion	Ratio	Lower	Upper
104	100		
103	48.0	38.2	57.4
78	35.7	29.8	44.8

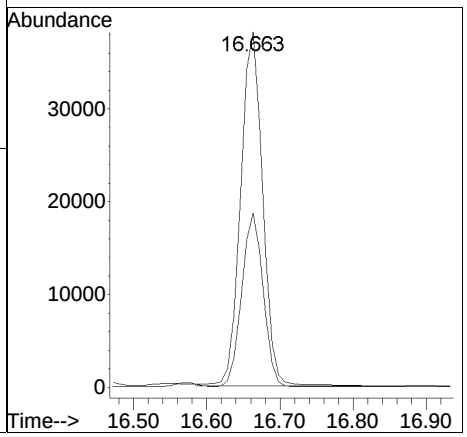


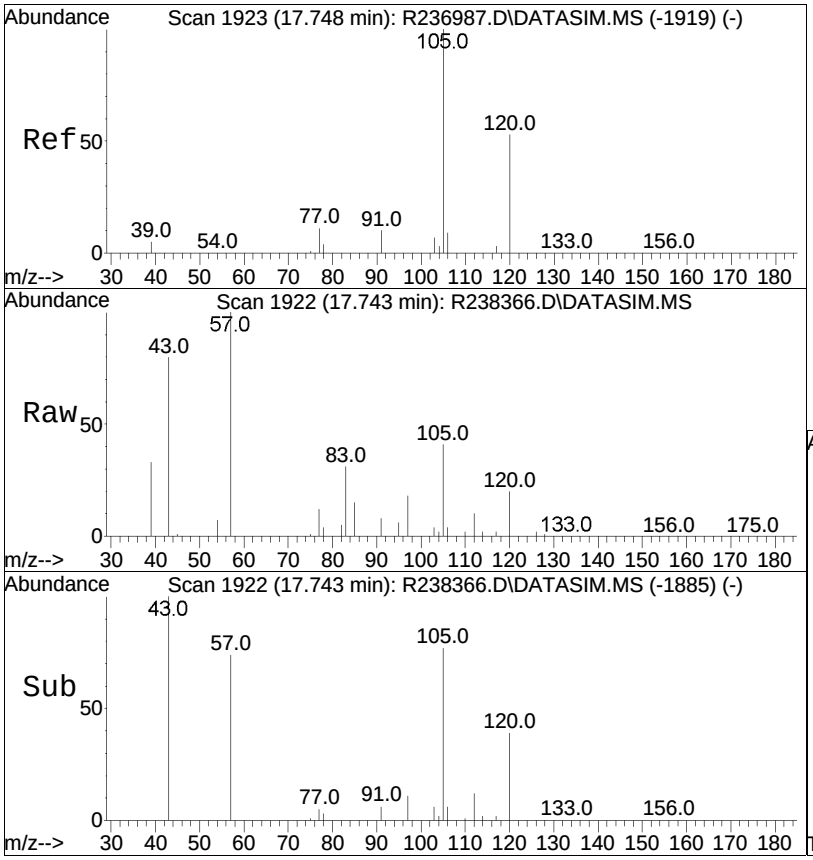


#65
o-xylene
Concen: 0.90 ppbV
RT: 16.663 min Scan# 1798
Delta R.T. 0.004 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion: 91 Resp: 79683

Ion	Ratio	Lower	Upper
91	100		
106	49.1	39.2	58.8

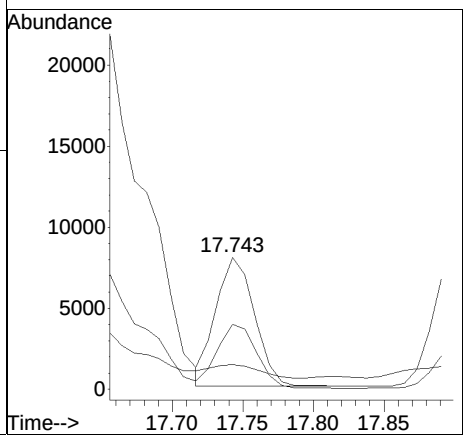


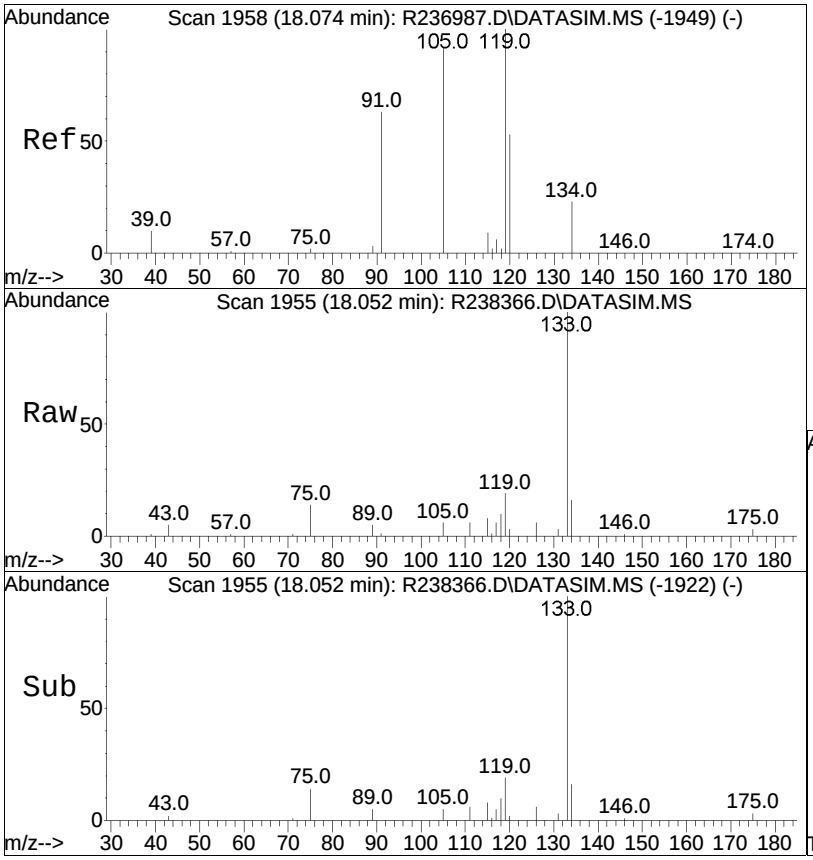


#71
1,3,5-trimethylbenzene
Concen: 0.16 ppbV
RT: 17.743 min Scan# 1922
Delta R.T. -0.005 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion:105 Resp: 15219

Ion	Ratio	Lower	Upper
105	100		
120	49.4	41.3	61.9
91	18.8	8.2	12.2#

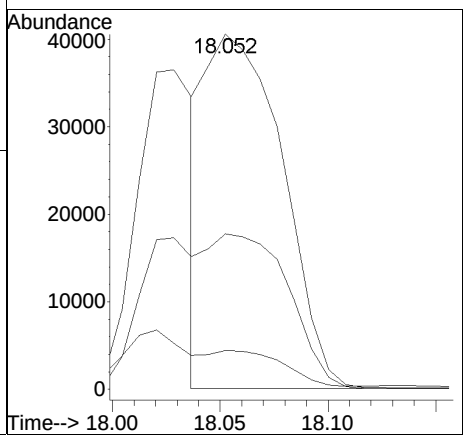


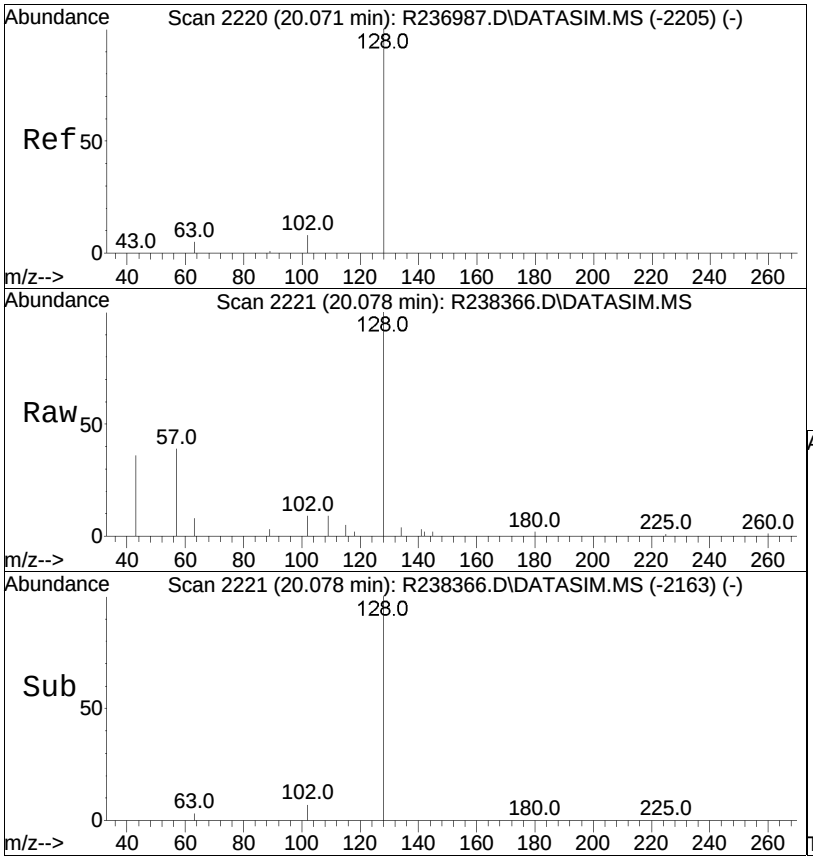


#73
1,2,4-trimethylbenzene
Concen: 0.99 ppbV m
RT: 18.052 min Scan# 1955
Delta R.T. -0.021 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion:105 Resp: 101226

Ion	Ratio	Lower	Upper
105	100		
120	43.8	45.9	68.9#
91	10.9	55.2	82.8#

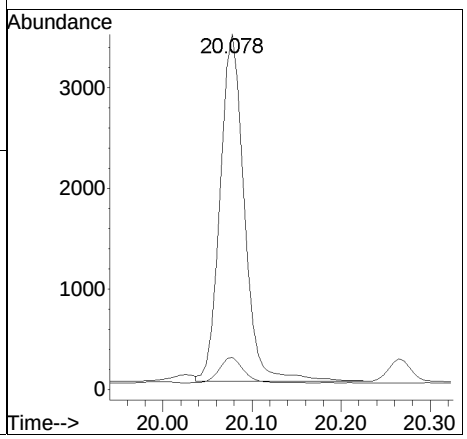




#83
naphthalene
Concen: 0.05 ppbV
RT: 20.078 min Scan# 2221
Delta R.T. 0.007 min
Lab File: R238366.D
Acq: 03 Feb 2026 06:28 am

Tgt Ion:128 Resp: 6541

Ion	Ratio	Lower	Upper
128	100		
102	9.1	6.5	9.7

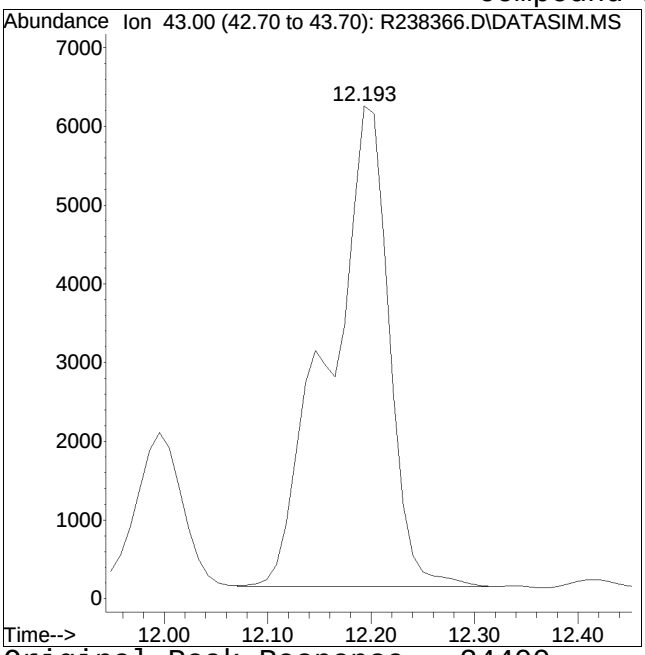


Manual Integration Report

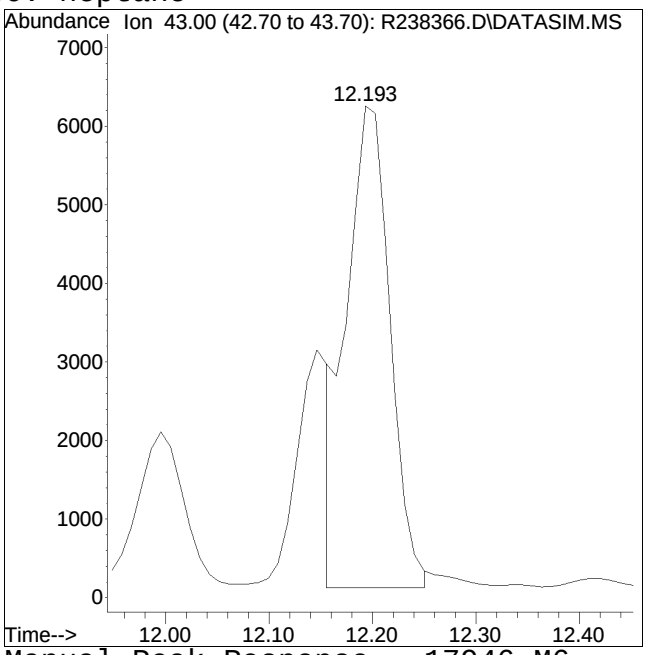
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R238366.D
Date Inj'd : 2/3/2026 6:28 am
Sample : L2603846-05,3,250,250

Method : TSIM23_251121.M
Operator : AIRLAB23:TPH
Instrument : Airlab23
Quant Date : 2/3/2026 7:43 am

Compound #46: heptane



Original Peak Response = 24400



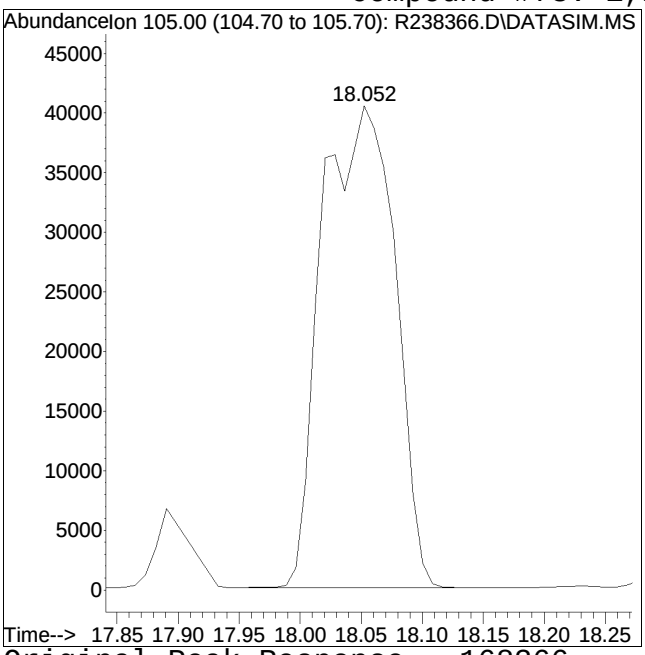
Manual Peak Response = 17946 M6

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

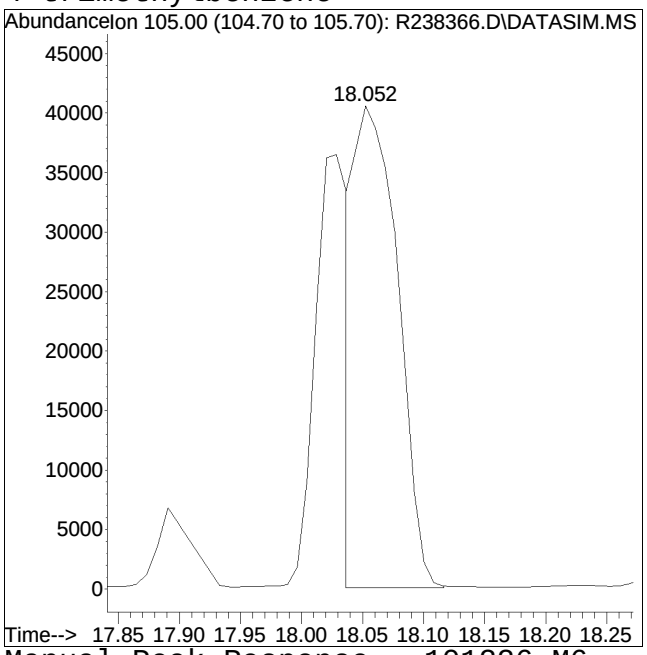
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R238366.D Operator : AIRLAB23:TPH
Date Inj'd : 2/3/2026 6:28 am Instrument : Airlab23
Sample : L2603846-05,3,250,250 Quant Date : 2/3/2026 7:43 am

Compound #73: 1,2,4-trimethylbenzene



Original Peak Response = 168366



Manual Peak Response = 101226 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\
Data File : r442286_Ev2.D
Acq On : 3 Feb 2026 6:40 PM
Operator : AIRPIANO4:TPH
Sample : L2603846-07,3,250,250
Misc : WG2171899,ICAL22994
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 04 06:42:07 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:55 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\r442283_Ev2.D
Sub List : 1,,,NYDEC-SIM - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.225	49	319839	10.000	ppbV	0.00
Standard Area = 346658			Recovery =		92.26%	
33) 1,4-difluorobenzene	11.447	114	898808	10.000	ppbV	-0.01
Standard Area = 993616			Recovery =		90.46%	
51) chlorobenzene-D5	16.100	54	120601	10.000	ppbV	0.00
Standard Area = 132612			Recovery =		90.94%	
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.150	85	17384	0.500	ppbV	100
4) chloromethane	4.318	50	9182	0.576	ppbV	99
5) Freon-114	4.426	85	698	0.020	ppbV	94
6) vinyl chloride	0.000		0	N.D.		
8) bromomethane	4.984	94	152	0.011	ppbV	100
9) chloroethane	0.000		0	N.D.	d	
10) ethanol	5.370	31	46313	3.049	ppbV	98
14) trichlorofluoromethane	6.010	101	6478	0.232	ppbV	94
17) 1,1-dichloroethene	0.000		0	N.D.		
18) tertiary butyl alcohol	6.900	59	1952	0.046	ppbV #	76
19) methylene chloride	6.834	49	4790	0.181	ppbV	97
22) Freon 113	7.140	101	2632	0.071	ppbV	96
23) trans-1,2-dichloroethene	7.875		0	N.D.		
24) 1,1-dichloroethane	8.100		0	N.D.		
25) MTBE	8.225		0	N.D.		
27) 2-butanone	8.617	43	26996	0.609	ppbV	99
28) cis-1,2-dichloroethene	9.183		0	N.D.		
30) chloroform	9.375	83	858	0.021	ppbV #	94
32) 1,2-dichloroethane	10.217	62	372	0.020	ppbV #	80
34) hexane	9.292	57	9662	0.243	ppbV #	44
36) 1,1,1-trichloroethane	10.483		0	N.D.		
37) benzene	11.033	78	16522	0.201	ppbV	99
38) carbon tetrachloride	11.200	117	1926	0.089	ppbV #	91
39) cyclohexane	11.347	56	3142	0.072	ppbV	98
41) 1,2-dichloropropane	11.973		0	N.D.		
42) bromodichloromethane	12.193		0	N.D.		
43) 1,4-dioxane	12.367		0	N.D.		
44) trichloroethene	12.247		0	N.D.		

Data Path : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\
Data File : r442286_Ev2.D
Acq On : 3 Feb 2026 6:40 PM
Operator : AIRPIANO4:TPH
Sample : L2603846-07,3,250,250
Misc : WG2171899,ICAL22994
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 04 06:42:07 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:55 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\r442283_Ev2.D
Sub List : 1,,,NYDEC-SIM - .

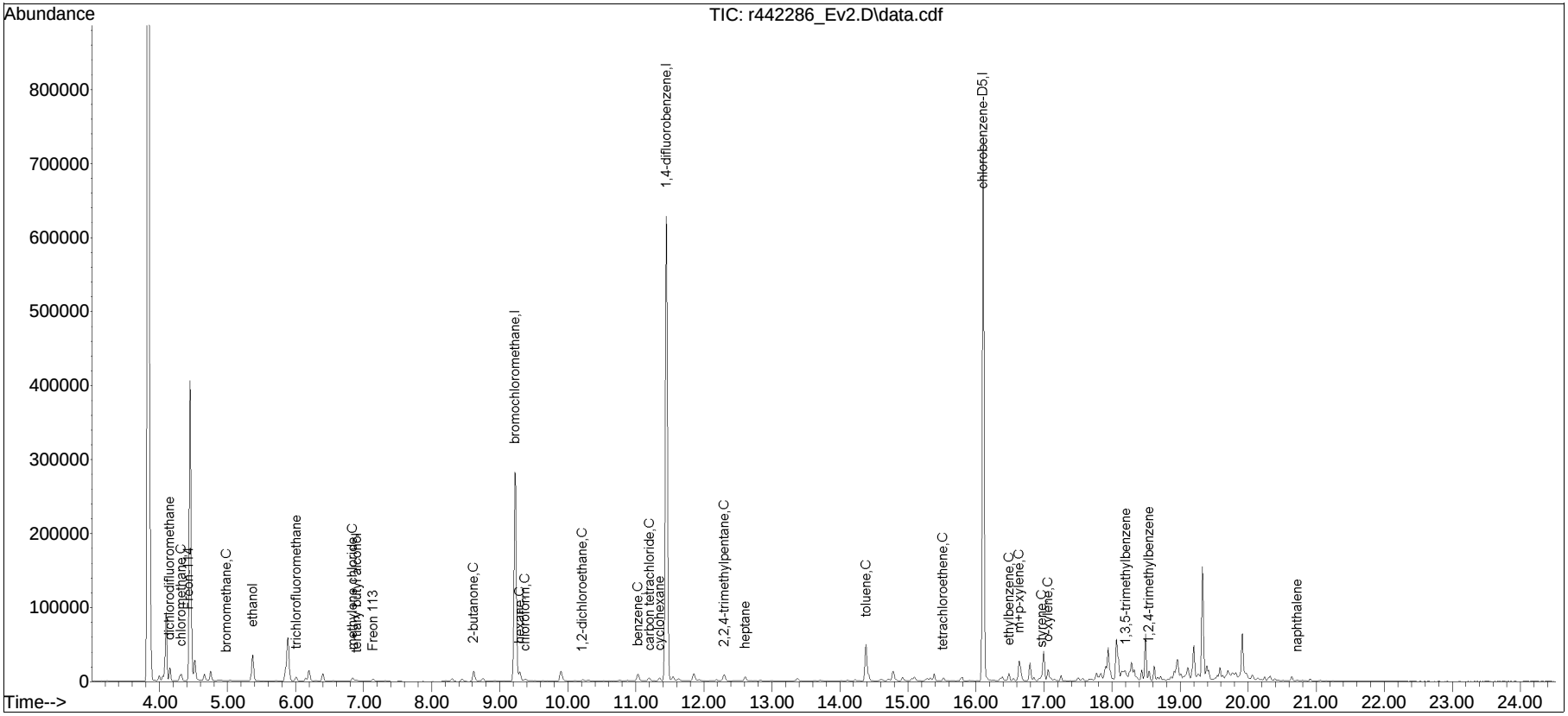
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 2,2,4-trimethylpentane	12.300	57	11075	0.087	ppbV #	93
46) heptane	12.607	43	5467	0.132	ppbV #	76
47) cis-1,3-dichloropropene	0.000		0	N.D.		
48) 4-methyl-2-pentanone	0.000		0	N.D.	d	
49) trans-1,3-dichloropropene	13.733		0	N.D.		
50) 1,1,2-trichloroethane	0.000		0	N.D.		
52) toluene	14.383	91	51740	0.569	ppbV	99
55) dibromochloromethane	0.000		0	N.D.		
56) 1,2-dibromoethane	0.000		0	N.D.		
57) tetrachloroethene	15.517	166	3148	0.072	ppbV	99
59) chlorobenzene	16.167		0	N.D.		
60) ethylbenzene	16.483	91	10623	0.096	ppbV	100
61) m+p-xylene	16.633	91	29085	0.331	ppbV	99
62) bromoform	16.717		0	N.D.		
63) styrene	16.967	104	3070	0.045	ppbV	96
64) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	d	
65) o-xylene	17.058	91	10407	0.118	ppbV	100
71) 1,3,5-trimethylbenzene	18.200	105	2504	0.026	ppbV #	97
73) 1,2,4-trimethylbenzene	18.542	105	9113	0.097	ppbV #	54
74) Benzyl Chloride	18.667		0	N.D.		
75) 1,3-dichlorobenzene	18.683		0	N.D.		
76) 1,4-dichlorobenzene	18.742		0	N.D.		
79) 1,2-dichlorobenzene	19.042		0	N.D.		
82) 1,2,4-trichlorobenzene	20.600		0	N.D.		
83) naphthalene	20.717	128	2488	0.028	ppbV #	92
85) hexachlorobutadiene	21.042		0	N.D.		

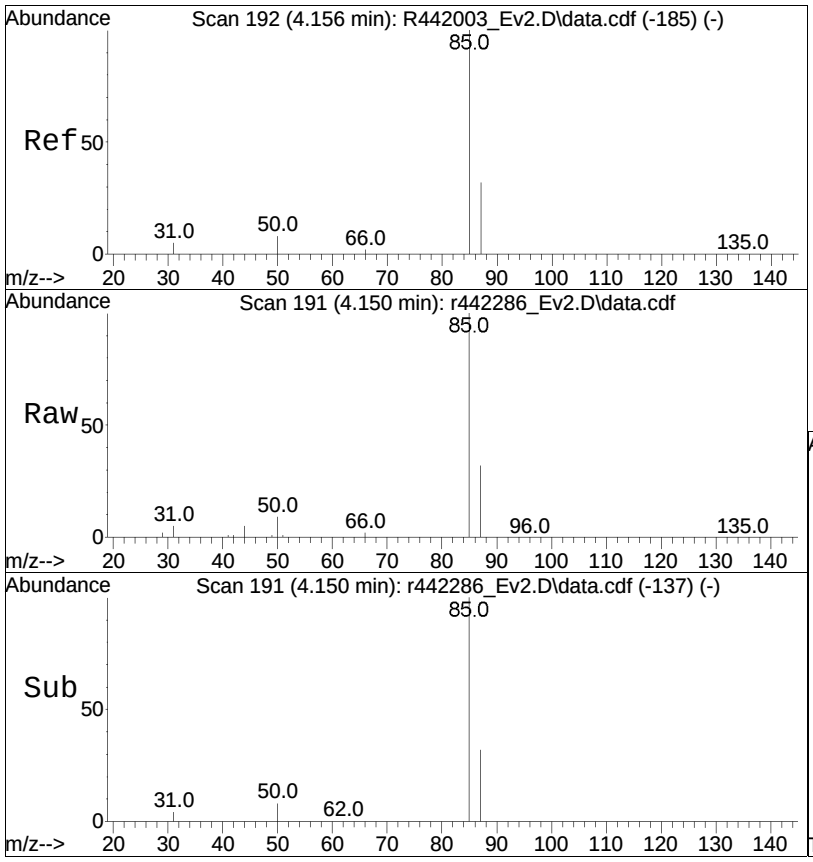
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 1,,,NYDEC-SIM - .rpiano4\2026\02\0203SIM\r442283_Ev2.D

Data Path : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\
Data File : r442286_Ev2.D
Acq On : 3 Feb 2026 6:40 PM
Operator : AIRPIANO4:TPH
Sample : L2603846-07,3,250,250
Misc : WG2171899,ICAL22994
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 04 06:42:07 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:55 2026
Response via : Initial Calibration

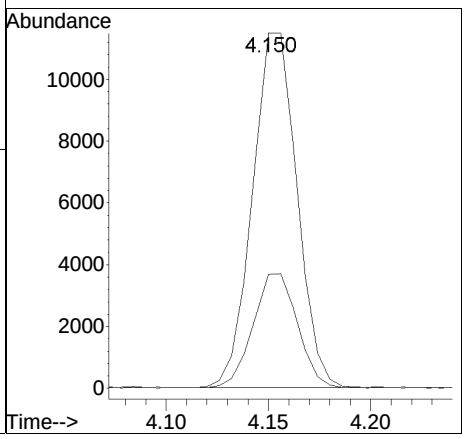


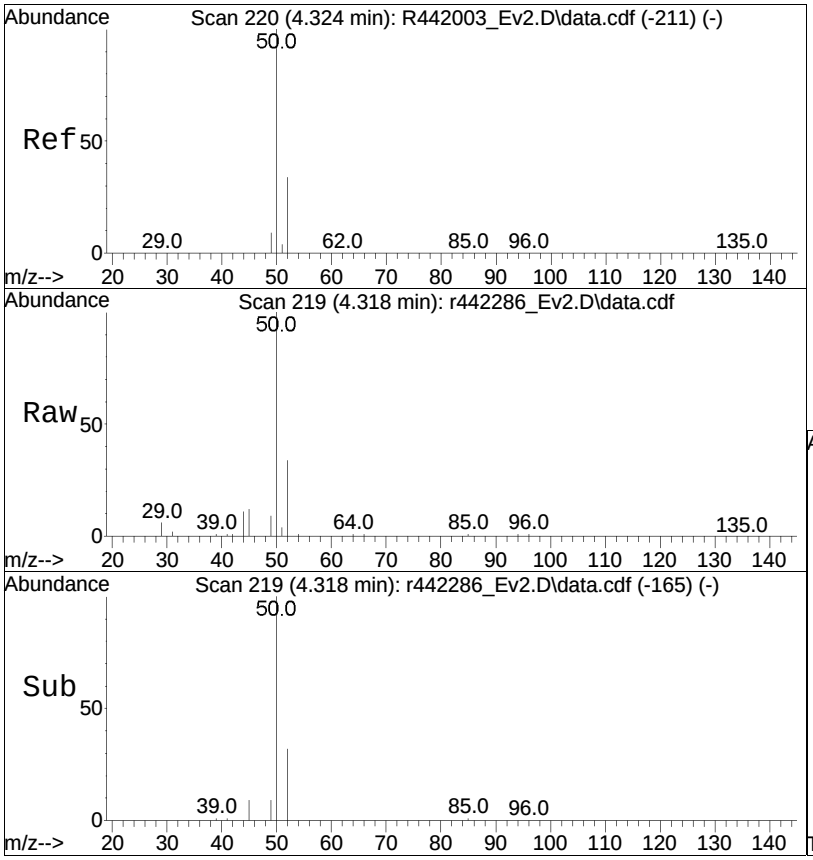


#3
dichlorodifluoromethane
Concen: 0.50 ppbV
RT: 4.150 min Scan# 191
Delta R.T. -0.006 min
Lab File: r442286_Ev2.D
Acq: 3 Feb 2026 6:40 PM

Tgt Ion: 85 Resp: 17384

Ion	Ratio	Lower	Upper
85	100		
87	32.1	25.7	38.5

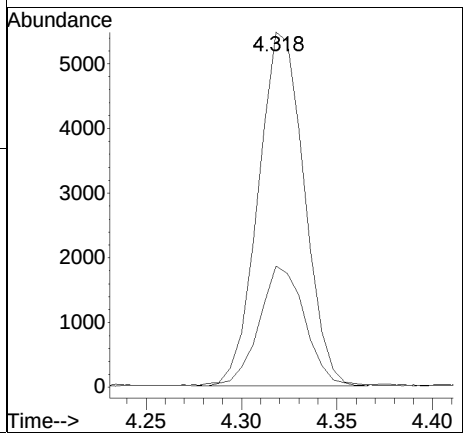


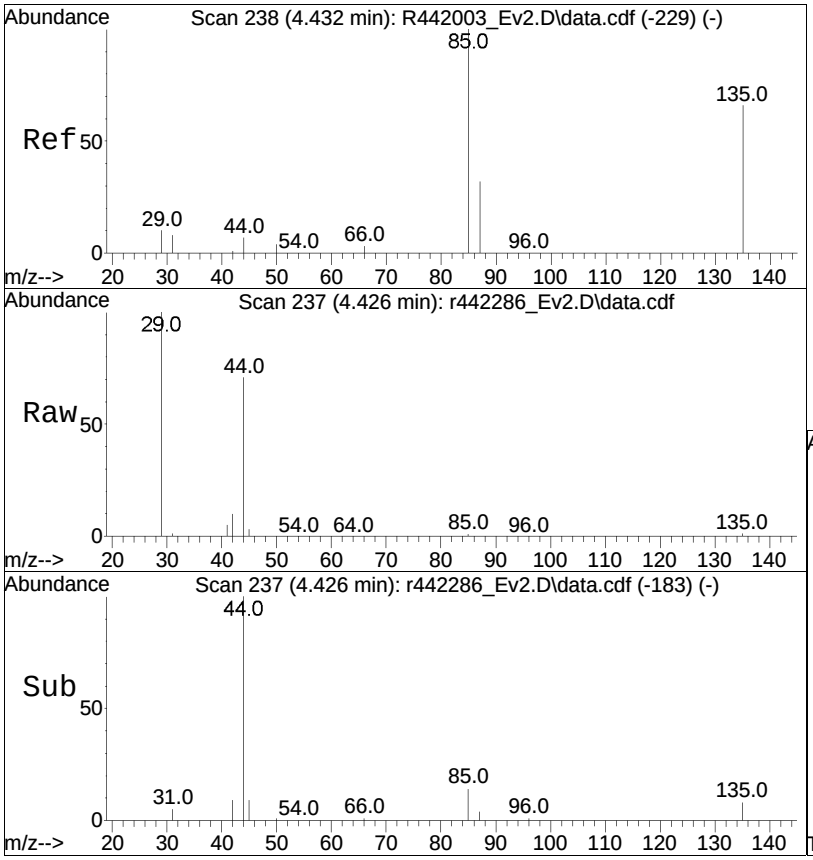


#4
chloromethane
Concen: 0.58 ppbV
RT: 4.318 min Scan# 219
Delta R.T. -0.006 min
Lab File: r442286_Ev2.D
Acq: 3 Feb 2026 6:40 PM

Tgt Ion: 50 Resp: 9182

Ion	Ratio	Lower	Upper
50	100		
52	34.2	27.0	40.6

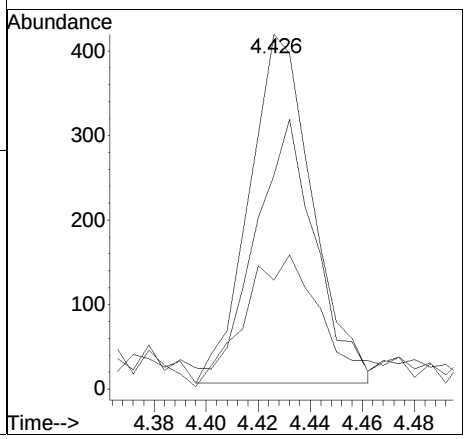


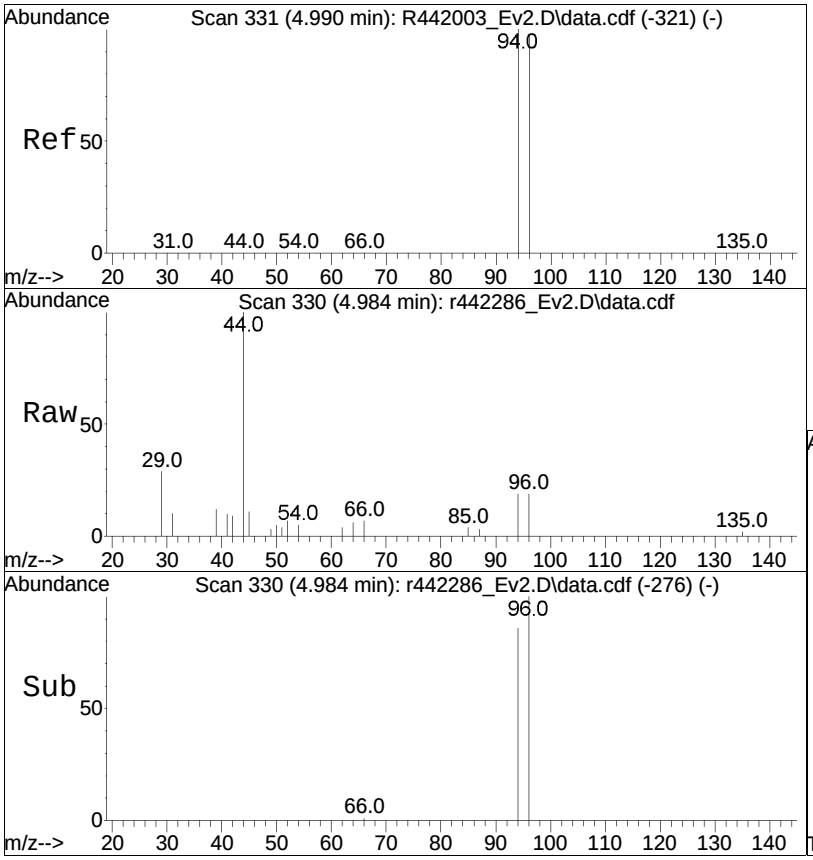


#5
Freon-114
Concen: 0.02 ppbV
RT: 4.426 min Scan# 237
Delta R.T. -0.006 min
Lab File: r442286_Ev2.D
Acq: 3 Feb 2026 6:40 PM

Tgt Ion: 85 Resp: 698

Ion	Ratio	Lower	Upper
85	100		
87	30.7	26.0	39.0
135	60.2	53.1	79.7

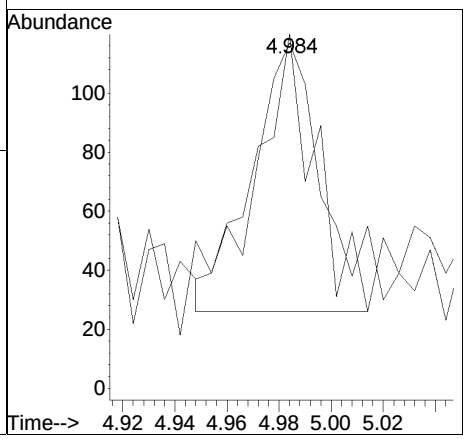


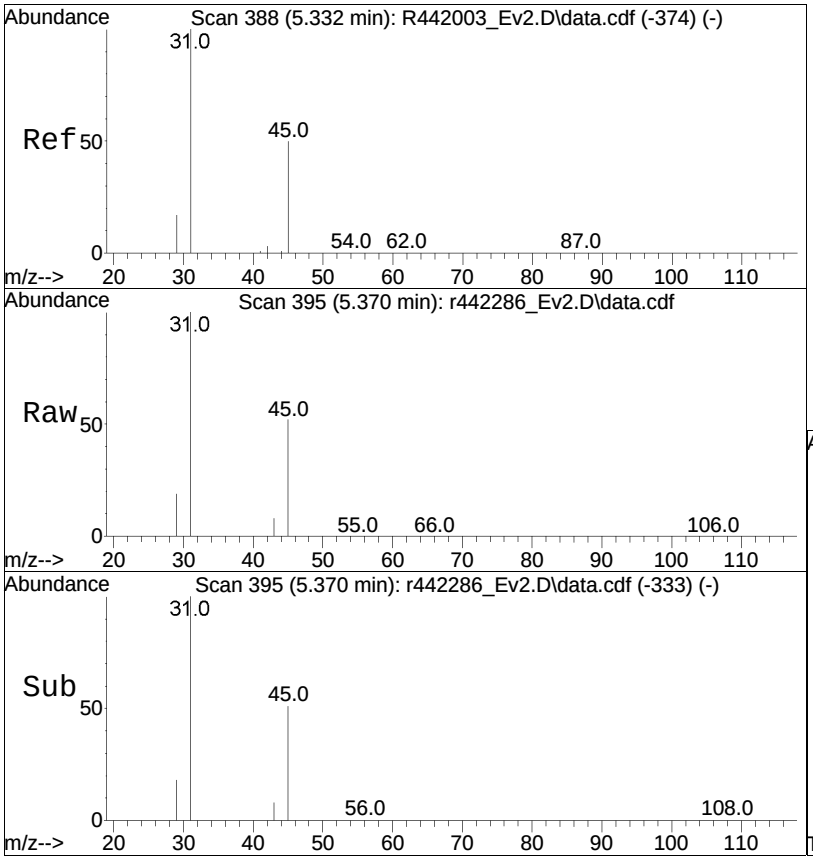


#8
bromomethane
Concen: 0.01 ppbV
RT: 4.984 min Scan# 330
Delta R.T. -0.006 min
Lab File: r442286_Ev2.D
Acq: 3 Feb 2026 6:40 PM

Tgt Ion: 94 Resp: 152

Ion	Ratio	Lower	Upper
94	100		
96	97.5	77.7	116.5

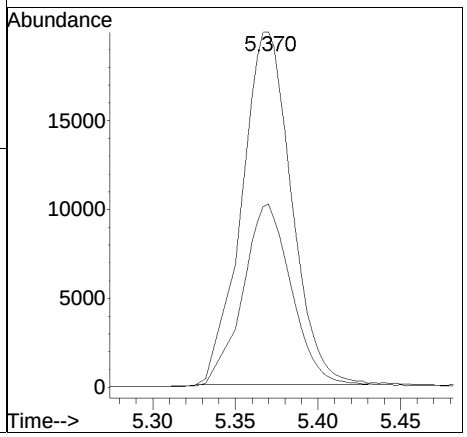


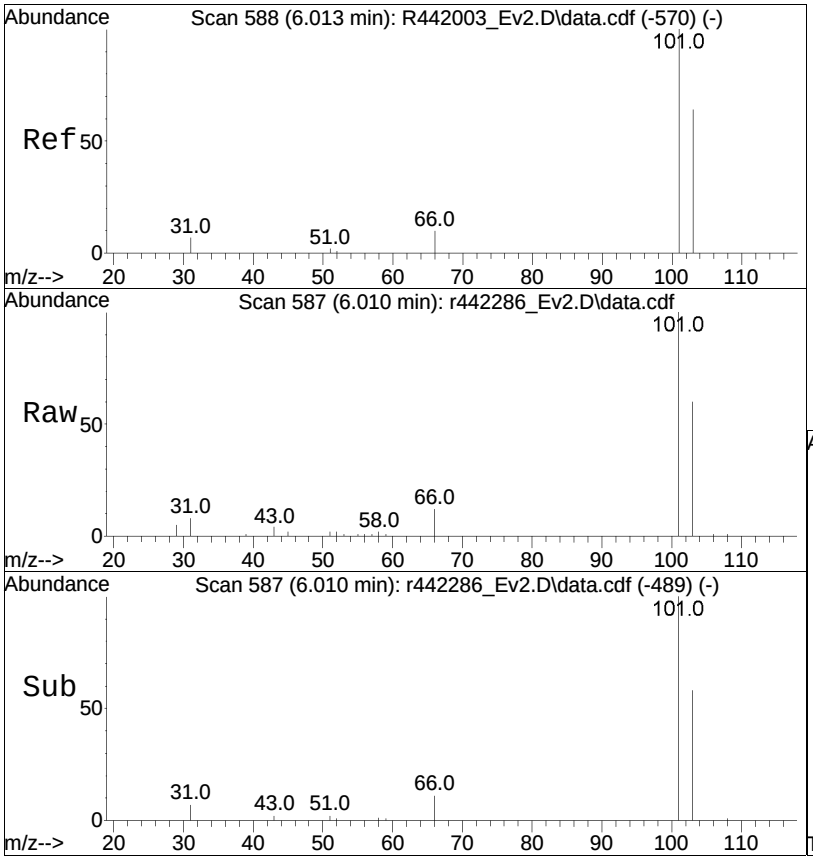


#10
ethanol
Concen: 3.05 ppbV
RT: 5.370 min Scan# 395
Delta R.T. 0.038 min
Lab File: r442286_Ev2.D
Acq: 3 Feb 2026 6:40 PM

Tgt Ion: 31 Resp: 46313

Ion	Ratio	Lower	Upper
31	100		
45	51.6	40.0	60.0

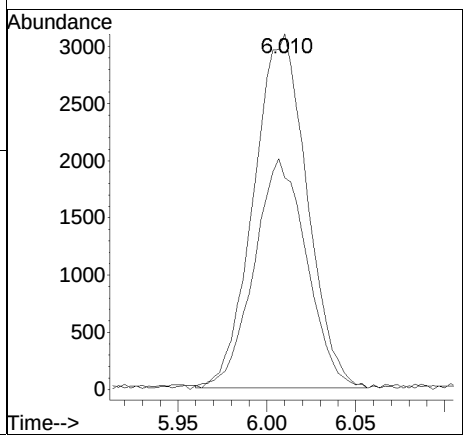


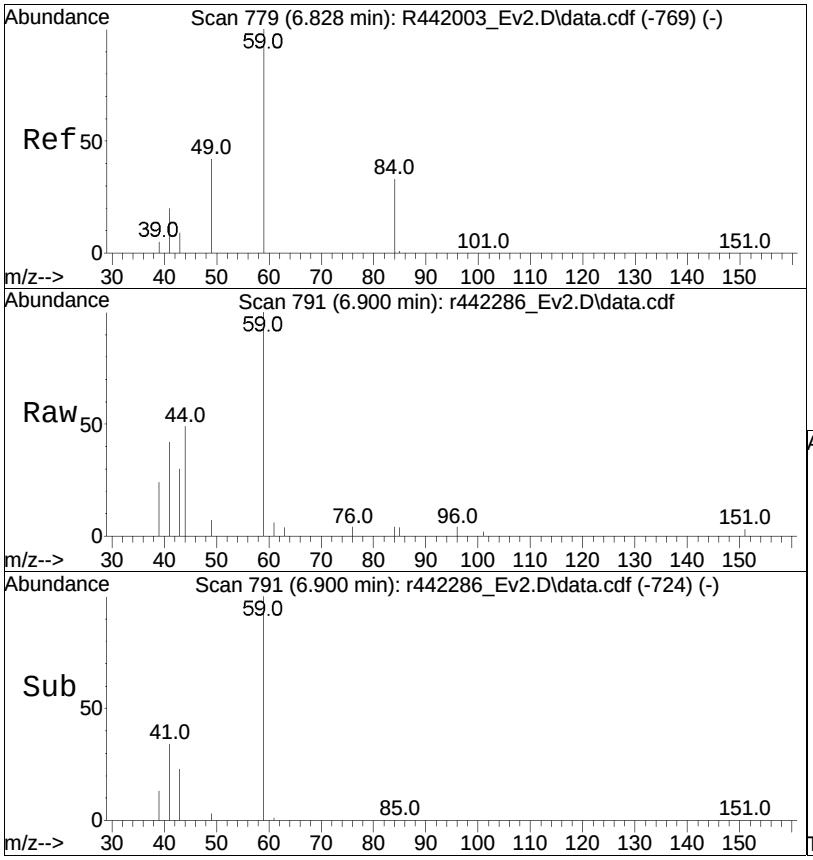


#14
trichlorofluoromethane
Concen: 0.23 ppbV
RT: 6.010 min Scan# 587
Delta R.T. -0.003 min
Lab File: r442286_Ev2.D
Acq: 3 Feb 2026 6:40 PM

Tgt Ion:101 Resp: 6478

Ion	Ratio	Lower	Upper
101	100		
103	59.6	51.6	77.4

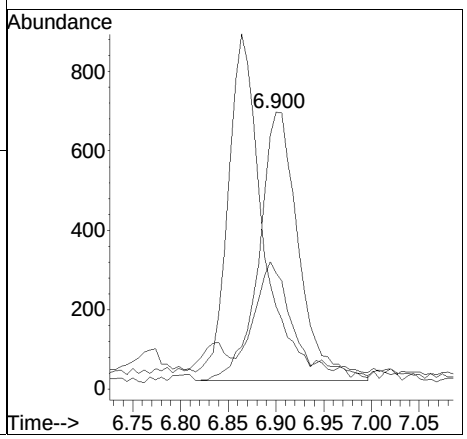


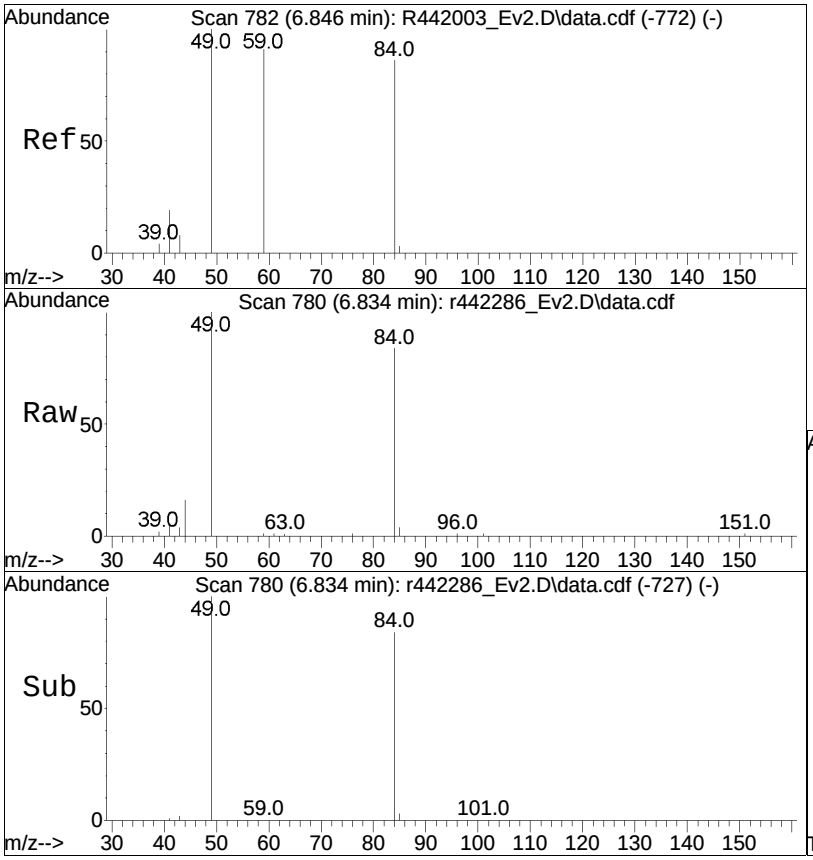


#18
tertiary butyl alcohol
Concen: 0.05 ppbV
RT: 6.900 min Scan# 791
Delta R.T. 0.072 min
Lab File: r442286_Ev2.D
Acq: 3 Feb 2026 6:40 PM

Tgt Ion: 59 Resp: 1952

Ion	Ratio	Lower	Upper
59	100		
41	31.1	15.9	23.9#
43	0.0	7.0	10.4#

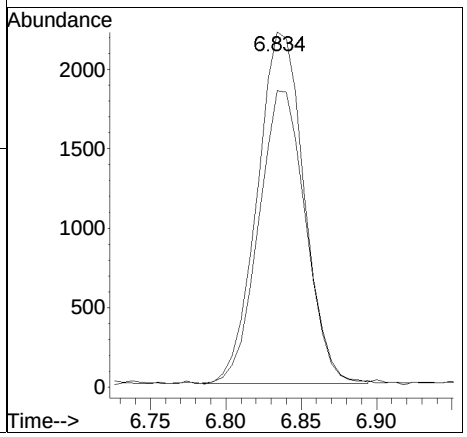


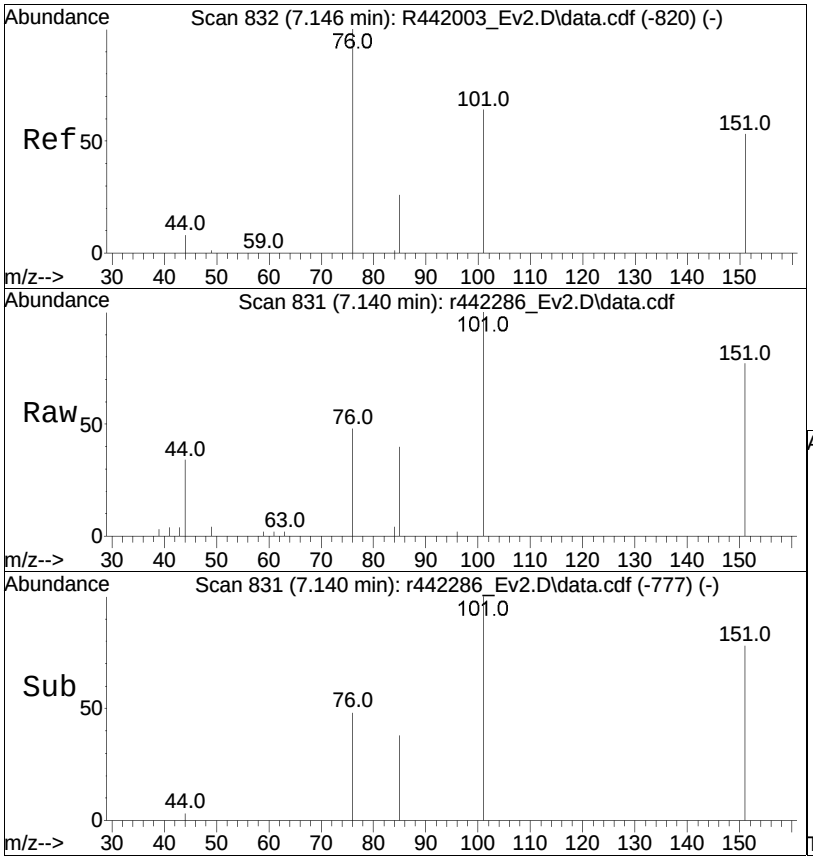


#19
methylene chloride
Concen: 0.18 ppbV
RT: 6.834 min Scan# 780
Delta R.T. -0.012 min
Lab File: r442286_Ev2.D
Acq: 3 Feb 2026 6:40 PM

Tgt Ion: 49 Resp: 4790

Ion	Ratio	Lower	Upper
49	100		
84	83.5	68.9	103.3

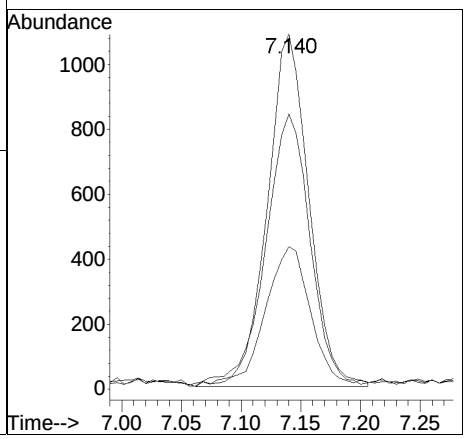


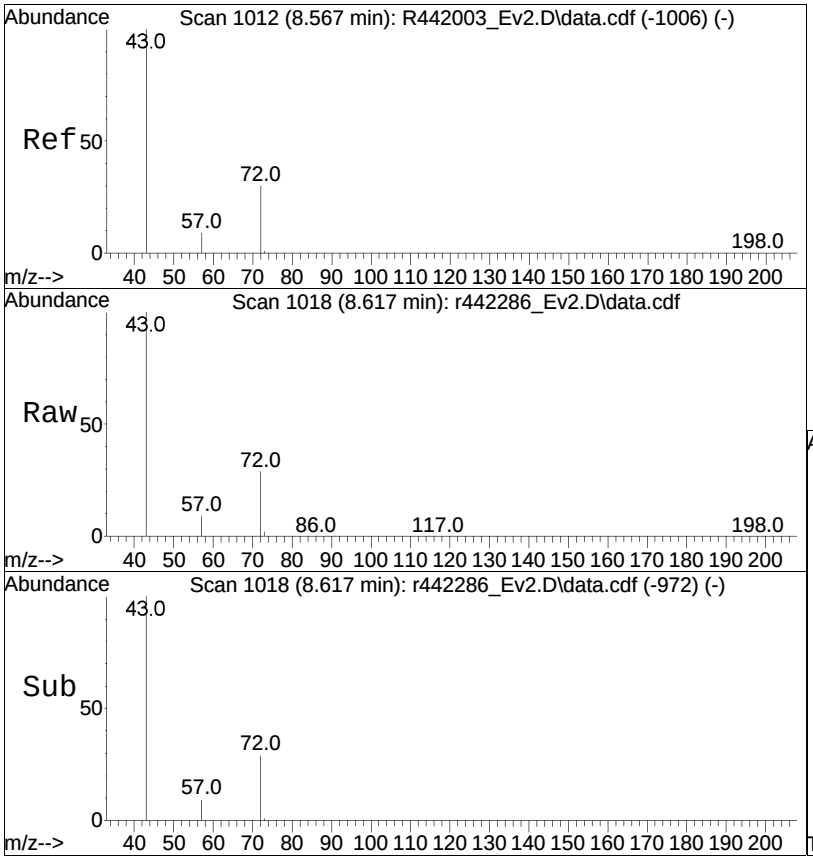


#22
Freon 113
Concen: 0.07 ppbV
RT: 7.140 min Scan# 831
Delta R.T. -0.006 min
Lab File: r442286_Ev2.D
Acq: 3 Feb 2026 6:40 PM

Tgt Ion:101 Resp: 2632

Ion	Ratio	Lower	Upper
101	100		
85	40.2	33.1	49.7
151	77.5	66.0	99.0

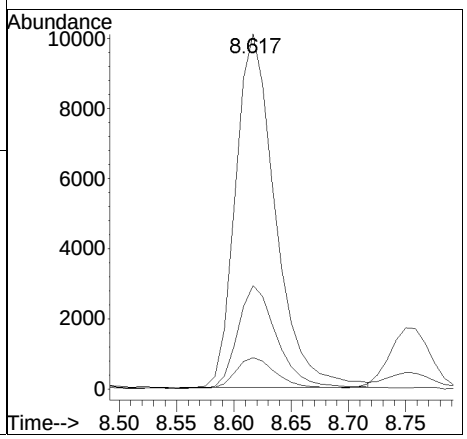


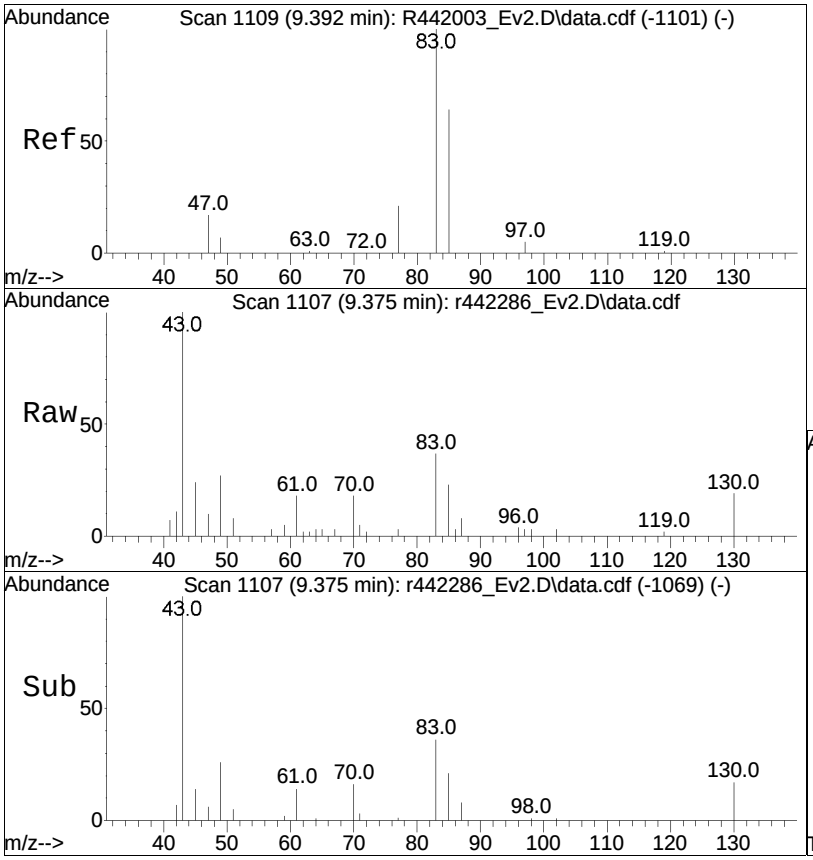


#27
2-butanone
Concen: 0.61 ppbV
RT: 8.617 min Scan# 1018
Delta R.T. 0.050 min
Lab File: r442286_Ev2.D
Acq: 3 Feb 2026 6:40 PM

Tgt Ion: 43 Resp: 26996

Ion	Ratio	Lower	Upper
43	100		
72	29.3	23.9	35.9
57	8.9	7.4	11.2

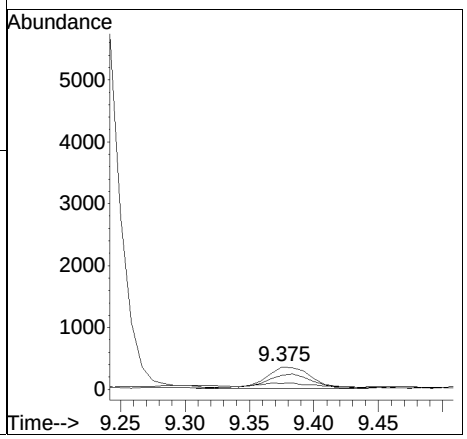


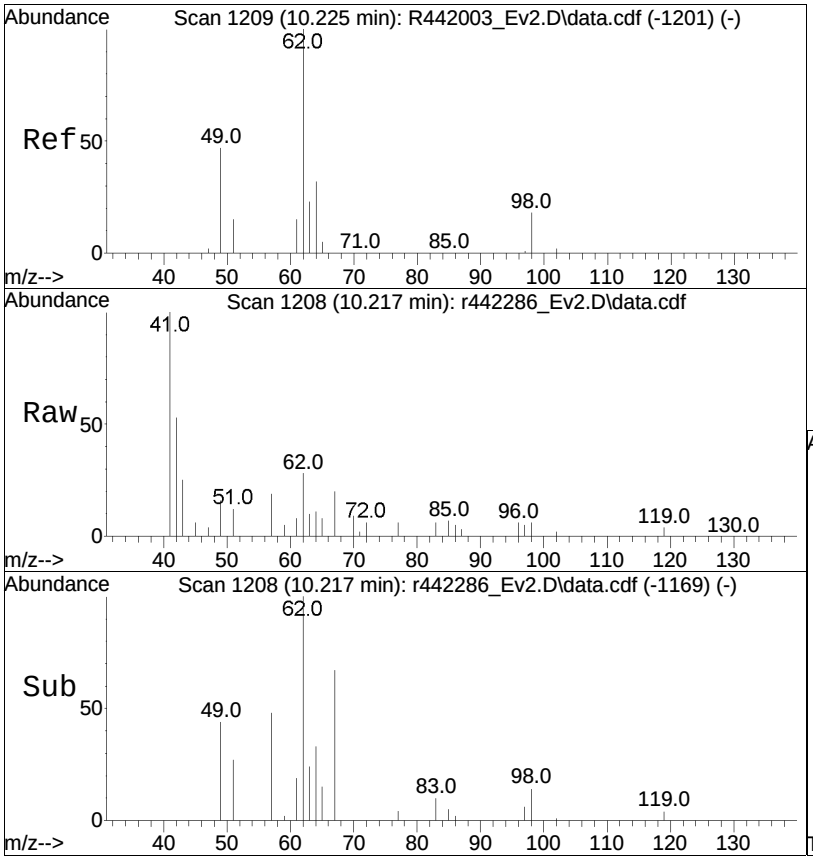


#30
chloroform
Concen: 0.02 ppbV
RT: 9.375 min Scan# 1107
Delta R.T. -0.017 min
Lab File: r442286_Ev2.D
Acq: 3 Feb 2026 6:40 PM

Tgt Ion: 83 Resp: 858

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.5	77.3
47	27.1	13.8	20.6#

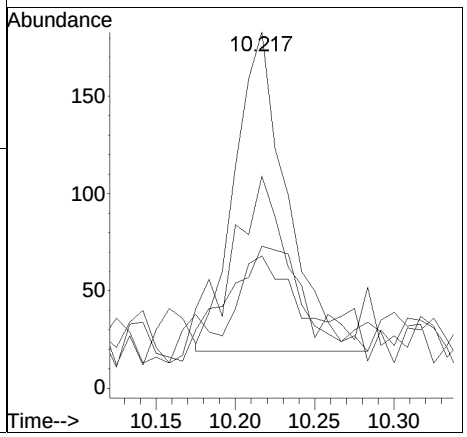


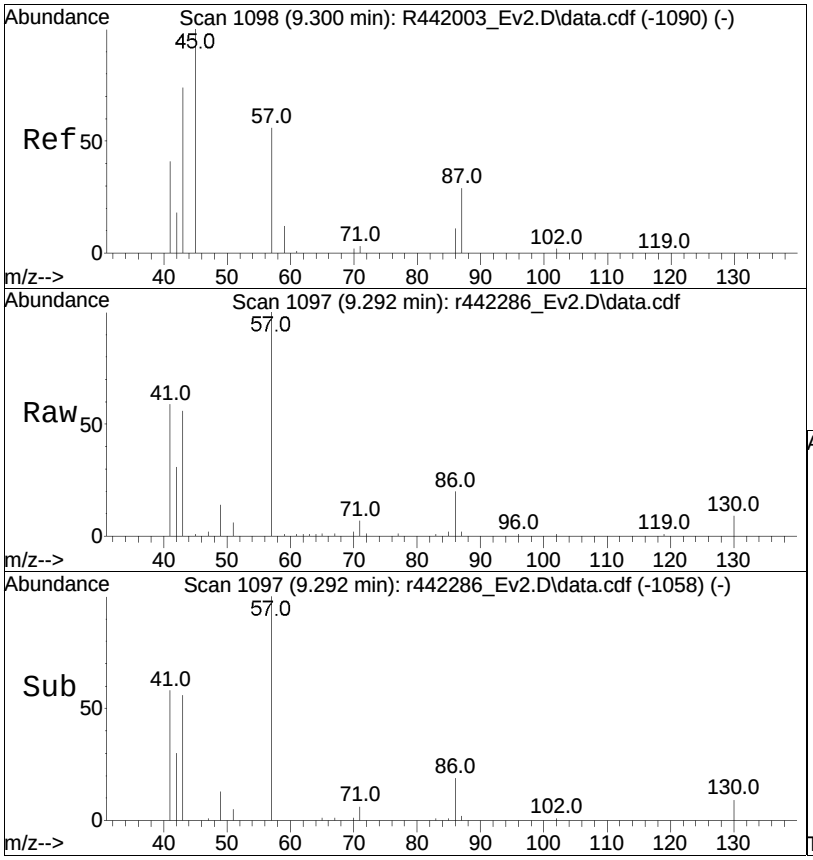


#32
1,2-dichloroethane
Concen: 0.02 ppbV
RT: 10.217 min Scan# 1208
Delta R.T. -0.008 min
Lab File: r442286_Ev2.D
Acq: 3 Feb 2026 6:40 PM

Tgt Ion: 62 Resp: 372

Ion	Ratio	Lower	Upper
62	100		
64	39.9	25.4	38.2#
49	59.6	37.4	56.2#
63	37.2	18.5	27.7#

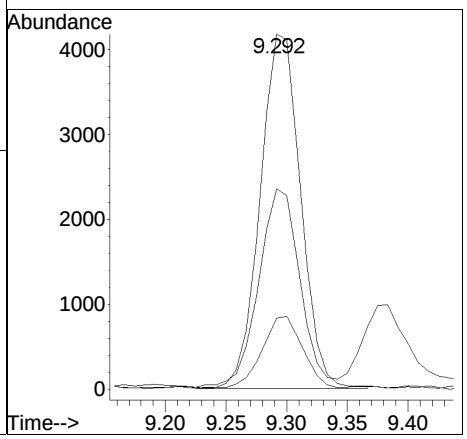


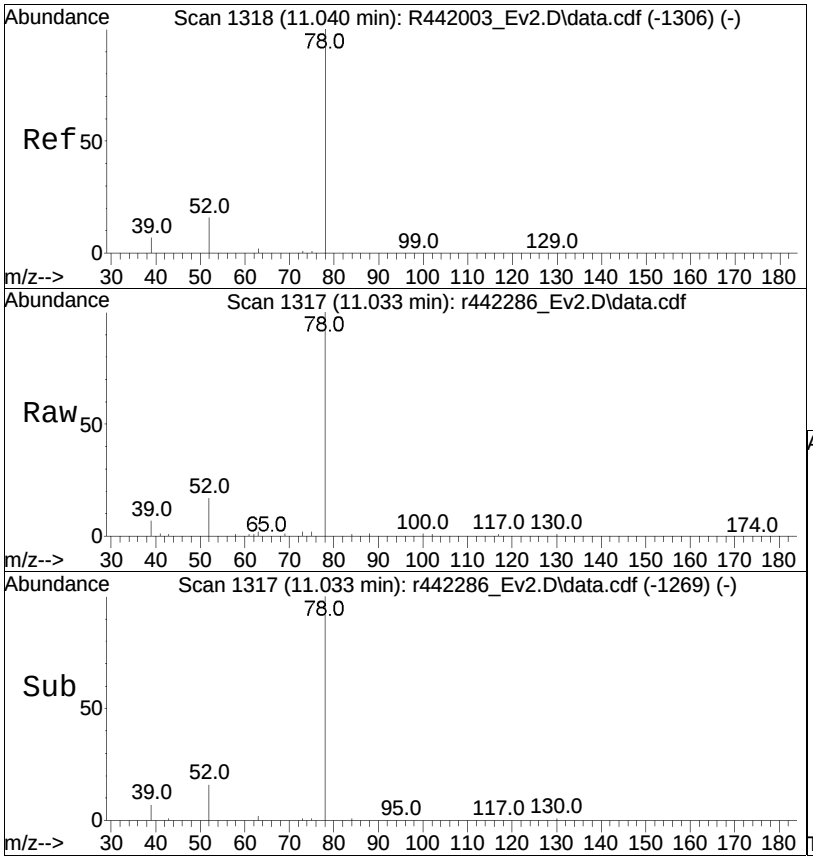


#34
hexane
Concen: 0.24 ppbV
RT: 9.292 min Scan# 1097
Delta R.T. -0.008 min
Lab File: r442286_Ev2.D
Acq: 3 Feb 2026 6:40 PM

Tgt Ion: 57 Resp: 9662

Ion	Ratio	Lower	Upper
57	100		
43	56.5	105.6	158.4#
86	20.1	15.8	23.8

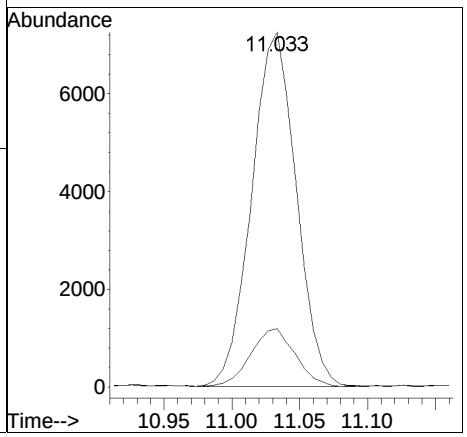


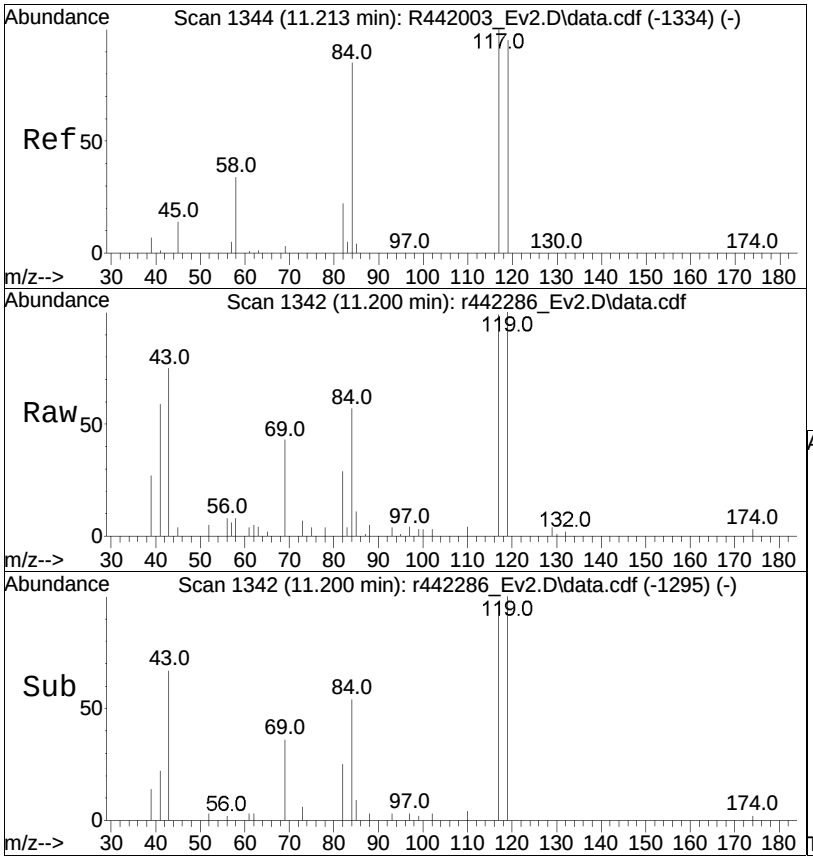


#37
benzene
Concen: 0.20 ppbV
RT: 11.033 min Scan# 1317
Delta R.T. -0.007 min
Lab File: r442286_Ev2.D
Acq: 3 Feb 2026 6:40 PM

Tgt Ion: 78 Resp: 16522

Ion	Ratio	Lower	Upper
78	100		
52	16.5	12.8	19.2

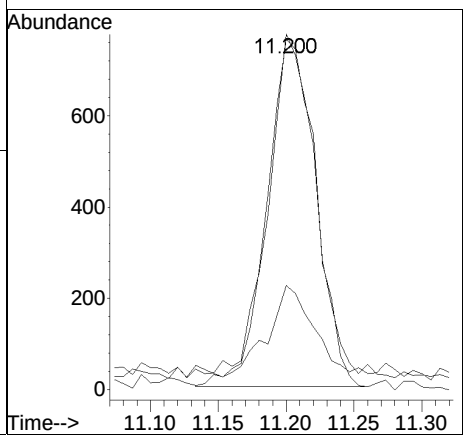


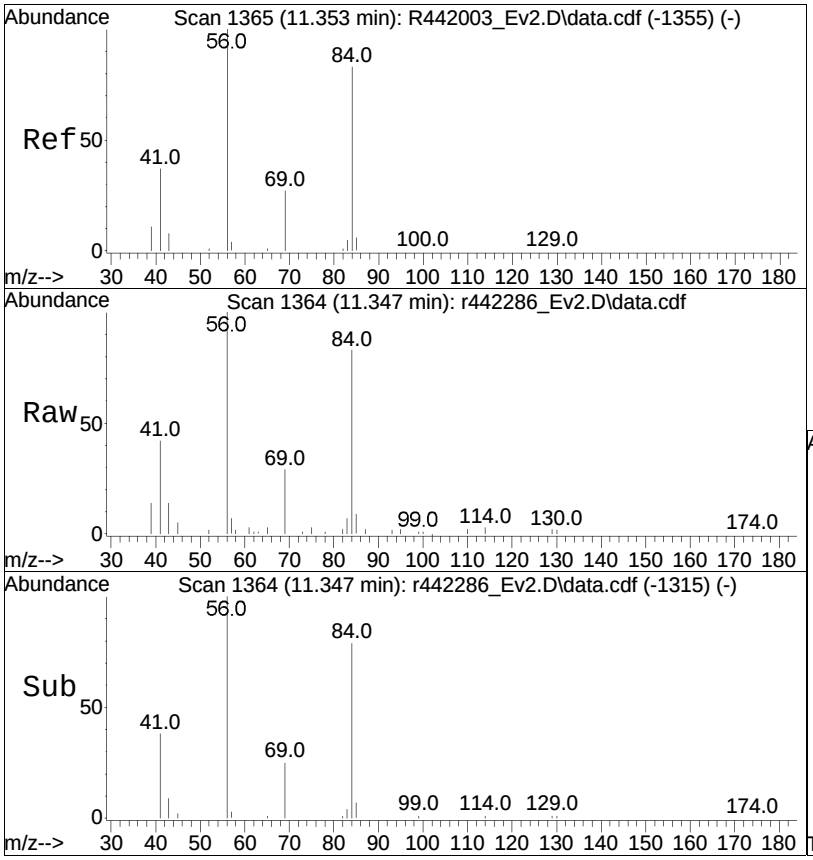


#38
carbon tetrachloride
Concen: 0.09 ppbV
RT: 11.200 min Scan# 1342
Delta R.T. -0.013 min
Lab File: r442286_Ev2.D
Acq: 3 Feb 2026 6:40 PM

Tgt Ion:117 Resp: 1926

Ion	Ratio	Lower	Upper
117	100		
119	101.4	75.6	113.4
82	29.7	17.9	26.9#

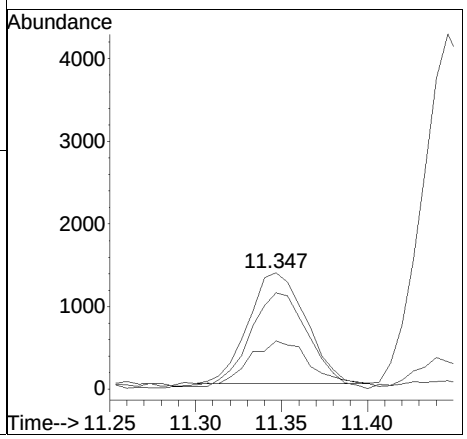


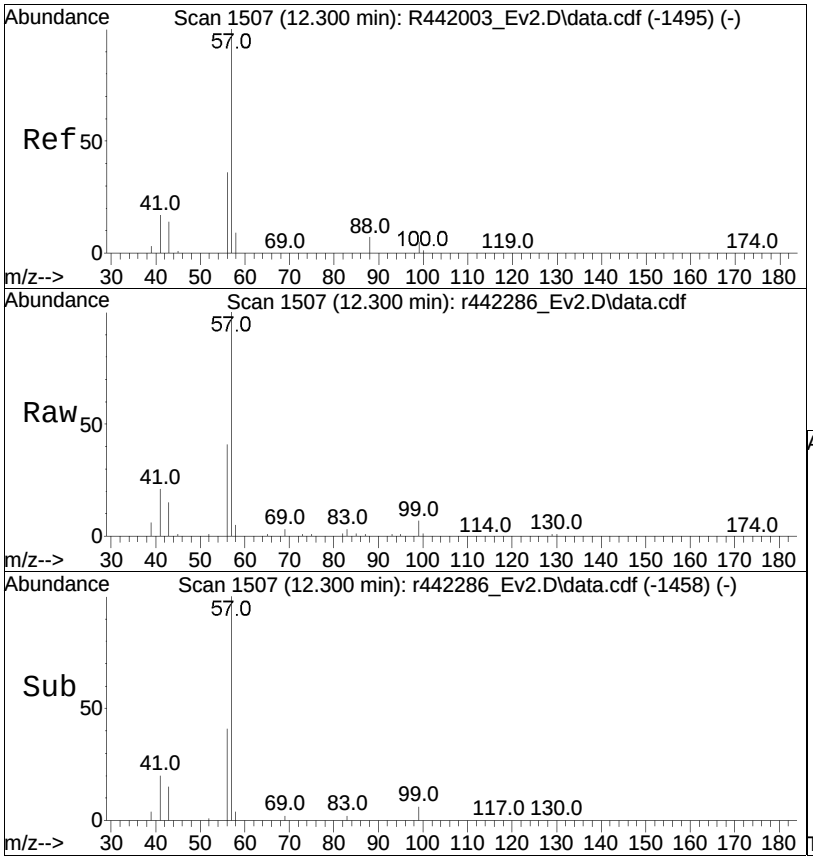


#39
cyclohexane
Concen: 0.07 ppbV
RT: 11.347 min Scan# 1364
Delta R.T. -0.007 min
Lab File: r442286_Ev2.D
Acq: 3 Feb 2026 6:40 PM

Tgt Ion: 56 Resp: 3142

Ion	Ratio	Lower	Upper
56	100		
84	82.8	66.3	99.5
41	41.5	29.5	44.3

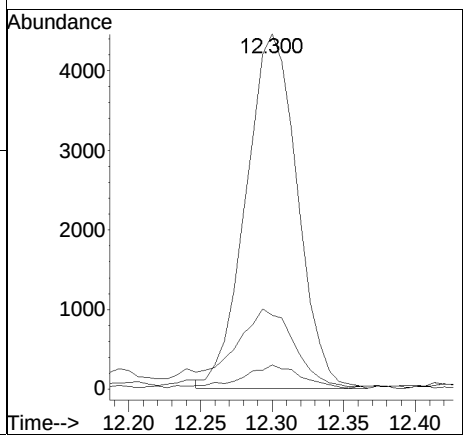


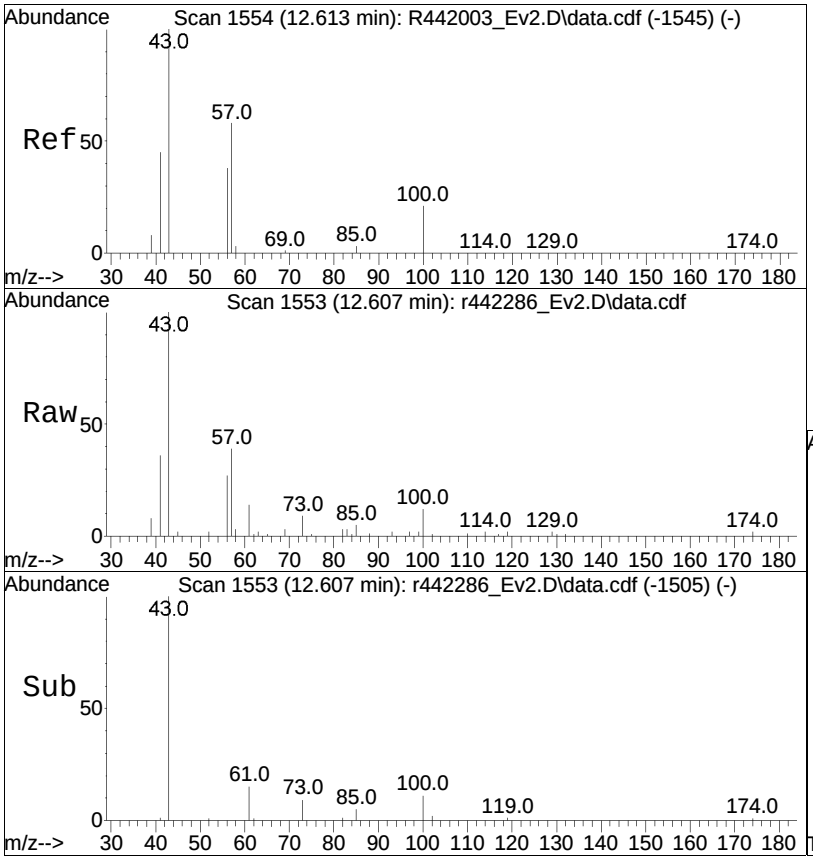


#45
2,2,4-trimethylpentane
Concen: 0.09 ppbV
RT: 12.300 min Scan# 1507
Delta R.T. 0.000 min
Lab File: r442286_Ev2.D
Acq: 3 Feb 2026 6:40 PM

Tgt Ion: 57 Resp: 11075

Ion	Ratio	Lower	Upper
57	100		
99	6.9	4.3	6.5#
41	20.9	13.8	20.8#

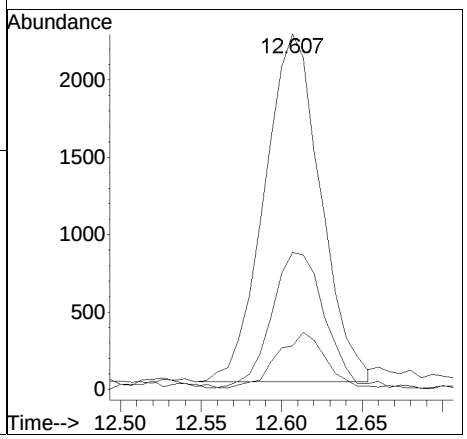


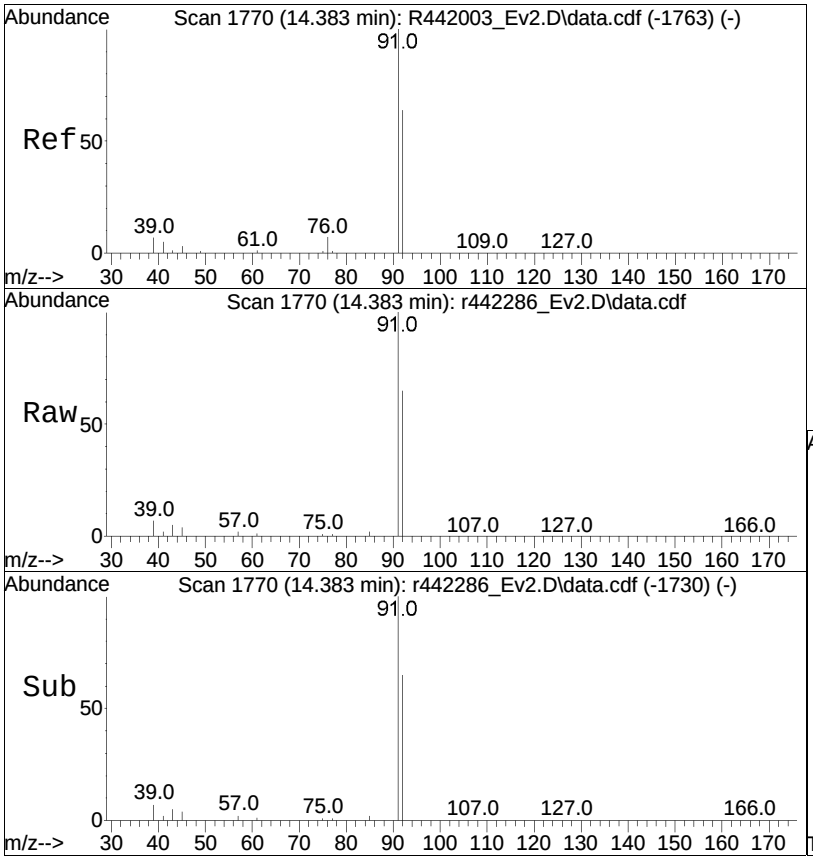


#46
heptane
Concen: 0.13 ppbV
RT: 12.607 min Scan# 1553
Delta R.T. -0.007 min
Lab File: r442286_Ev2.D
Acq: 3 Feb 2026 6:40 PM

Tgt Ion: 43 Resp: 5467

Ion	Ratio	Lower	Upper
43	100		
57	38.5	46.6	69.8#
100	12.2	16.9	25.3#

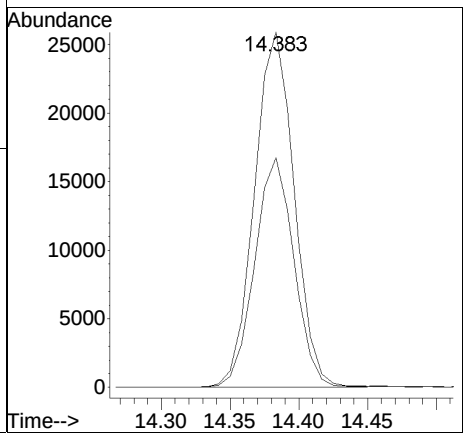


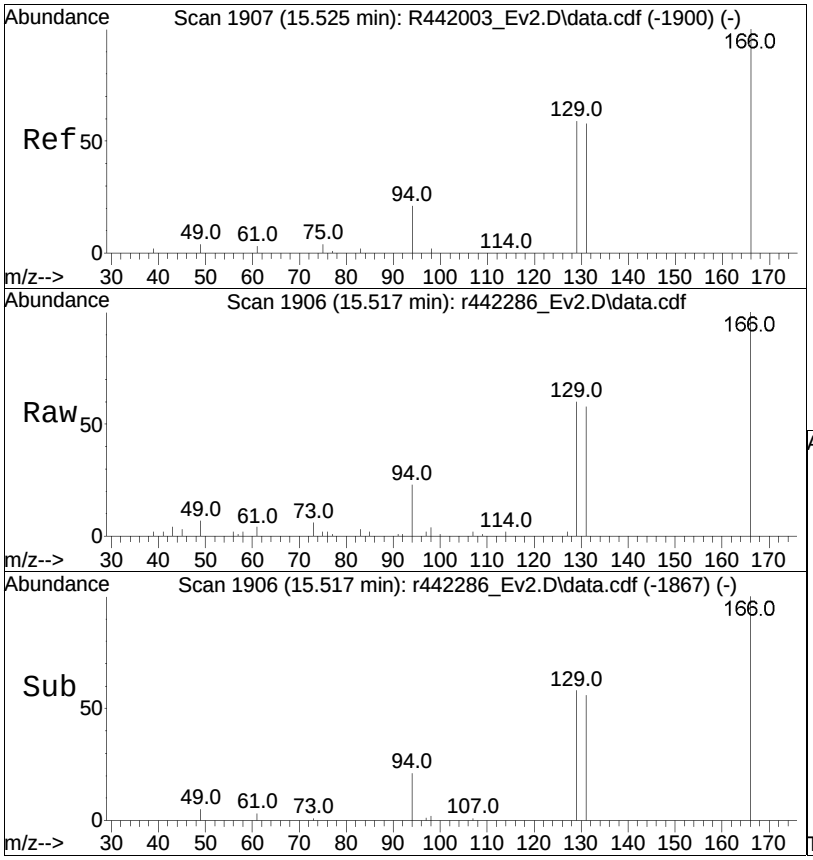


#52
toluene
Concen: 0.57 ppbV
RT: 14.383 min Scan# 1770
Delta R.T. 0.000 min
Lab File: r442286_Ev2.D
Acq: 3 Feb 2026 6:40 PM

Tgt Ion: 91 Resp: 51740

Ion	Ratio	Lower	Upper
91	100		
92	64.7	51.0	76.6

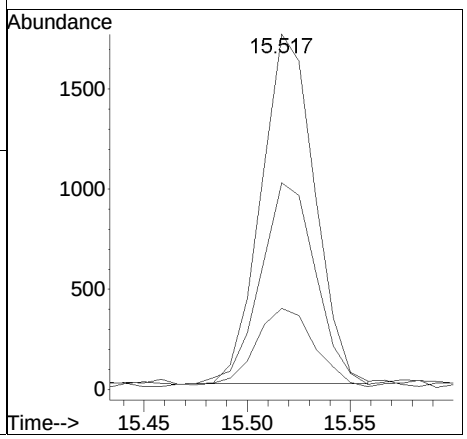


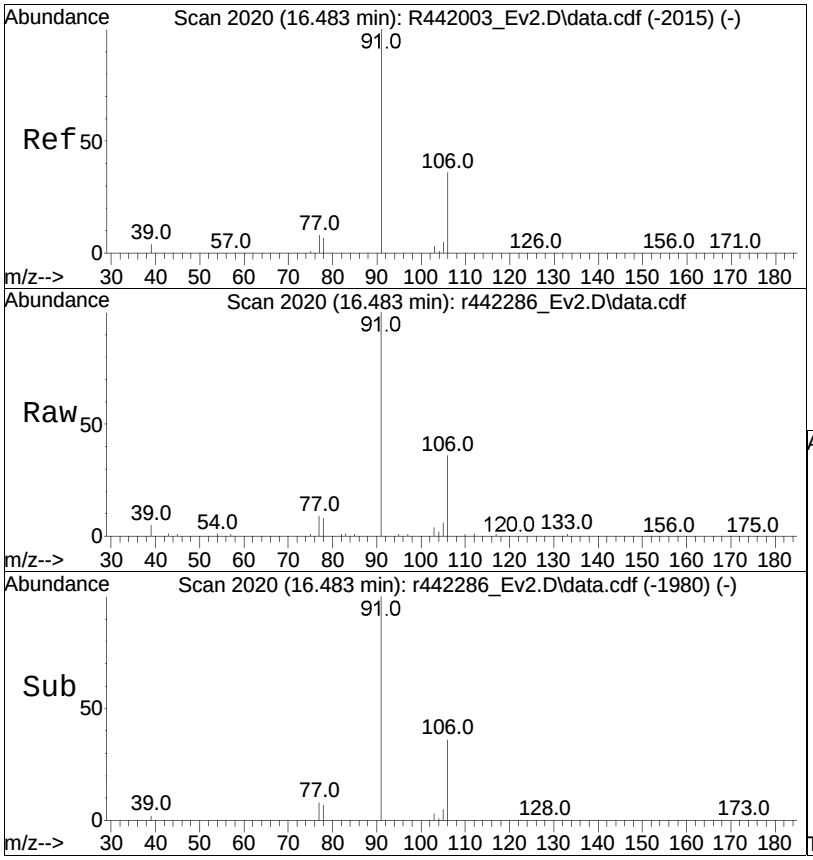


#57
tetrachloroethene
Concen: 0.07 ppbV
RT: 15.517 min Scan# 1906
Delta R.T. -0.008 min
Lab File: r442286_Ev2.D
Acq: 3 Feb 2026 6:40 PM

Tgt Ion:166 Resp: 3148

Ion	Ratio	Lower	Upper
166	100		
131	58.1	46.2	69.2
94	22.8	17.2	25.8

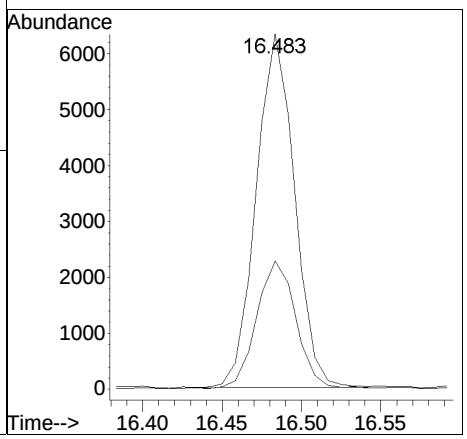


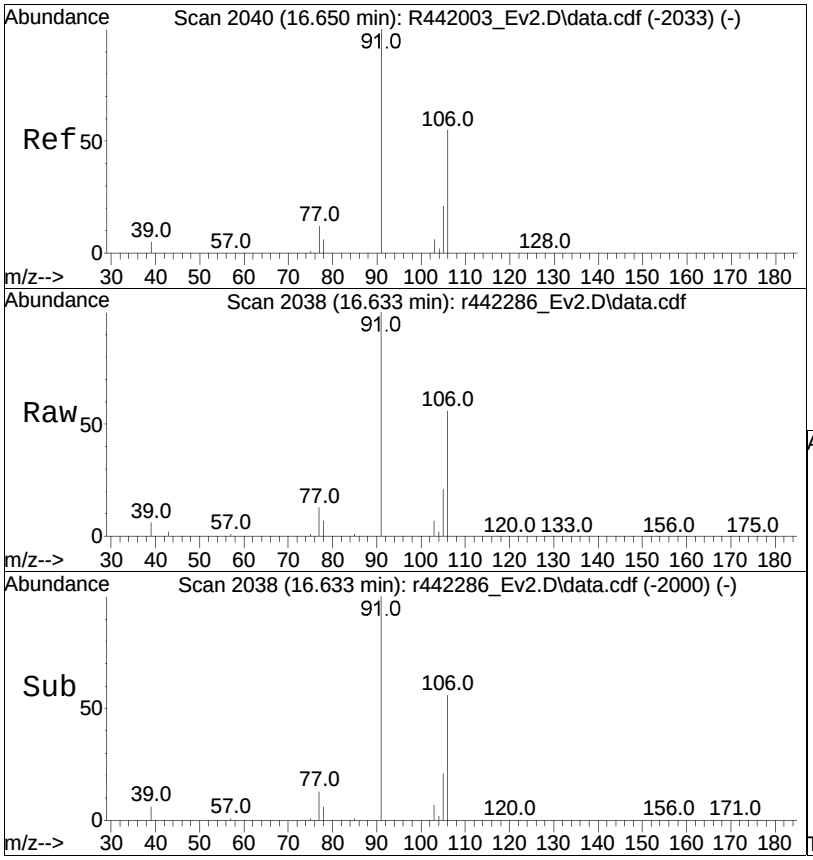


#60
ethylbenzene
Concen: 0.10 ppbV
RT: 16.483 min Scan# 2020
Delta R.T. 0.000 min
Lab File: r442286_Ev2.D
Acq: 3 Feb 2026 6:40 PM

Tgt Ion: 91 Resp: 10623

Ion	Ratio	Lower	Upper
91	100		
106	36.1	28.9	43.3

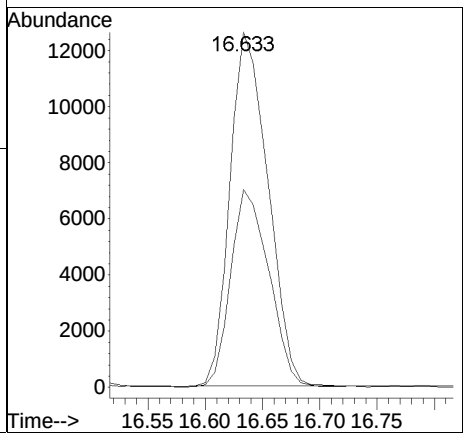


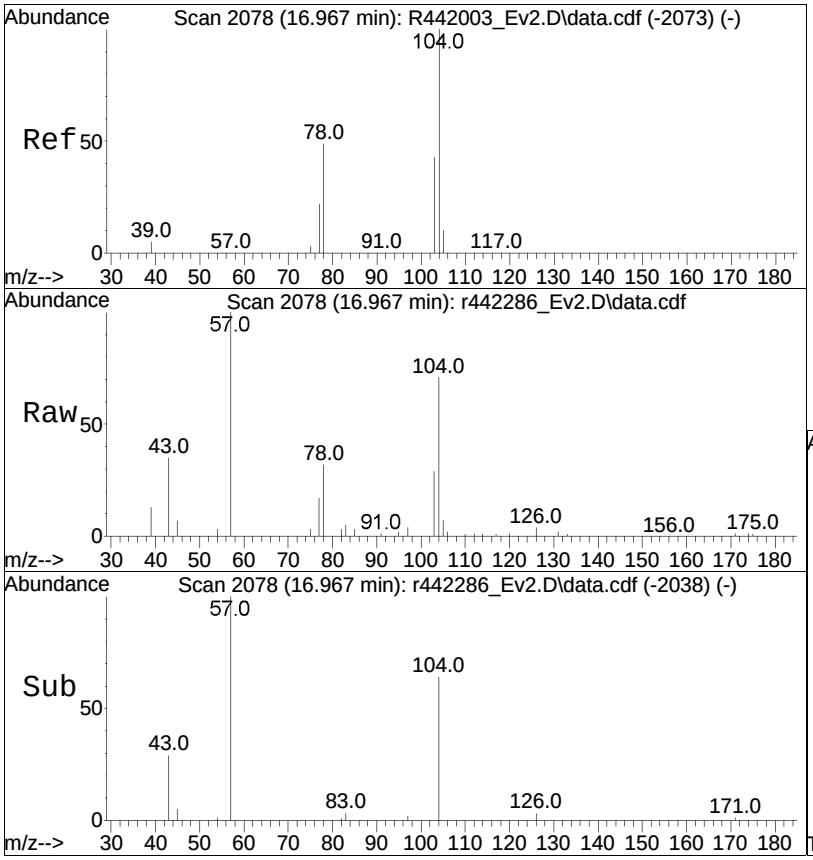


#61
m+p-xylene
Concen: 0.33 ppbV
RT: 16.633 min Scan# 2038
Delta R.T. -0.017 min
Lab File: r442286_Ev2.D
Acq: 3 Feb 2026 6:40 PM

Tgt Ion: 91 Resp: 29085

Ion	Ratio	Lower	Upper
91	100		
106	55.7	43.9	65.9

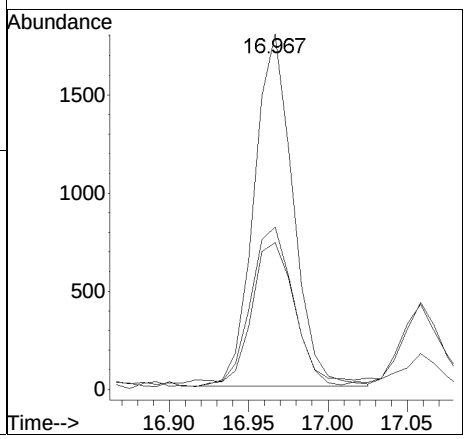


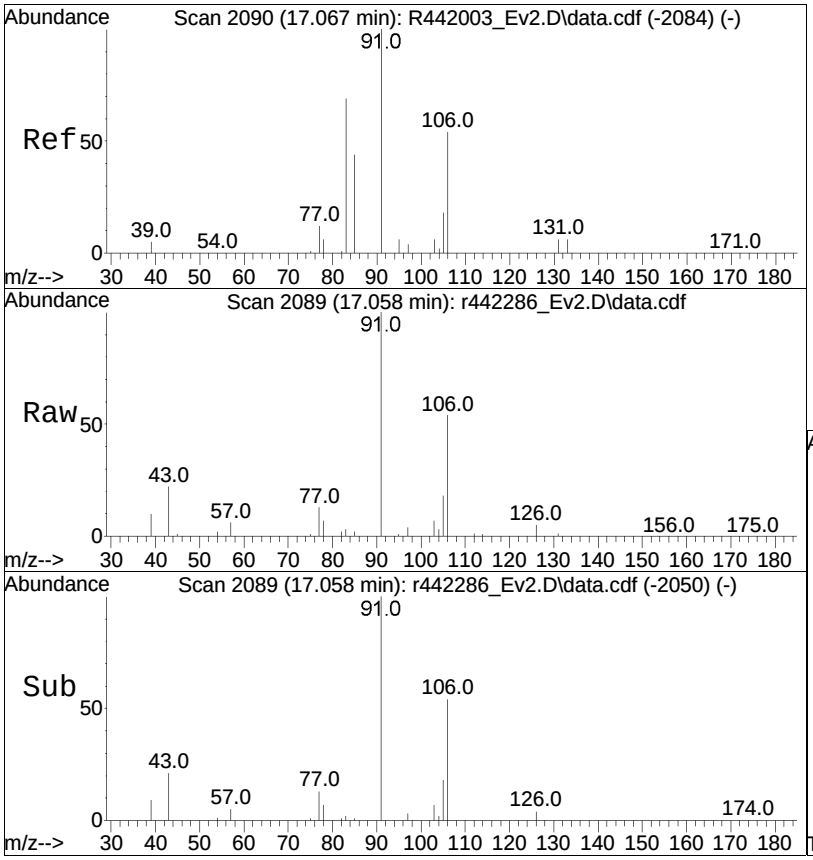


#63
styrene
Concen: 0.05 ppbV
RT: 16.967 min Scan# 2078
Delta R.T. 0.000 min
Lab File: r442286_Ev2.D
Acq: 3 Feb 2026 6:40 PM

Tgt Ion:104 Resp: 3070

Ion	Ratio	Lower	Upper
104	100		
103	41.3	34.7	52.1
78	45.7	38.9	58.3

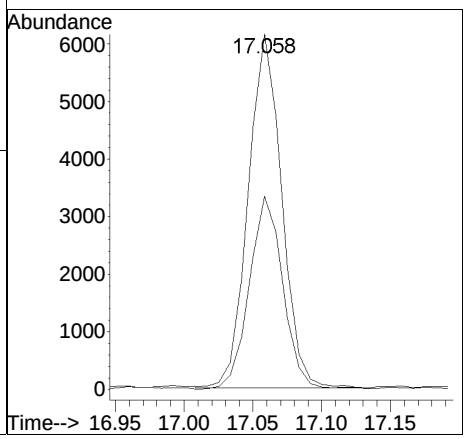


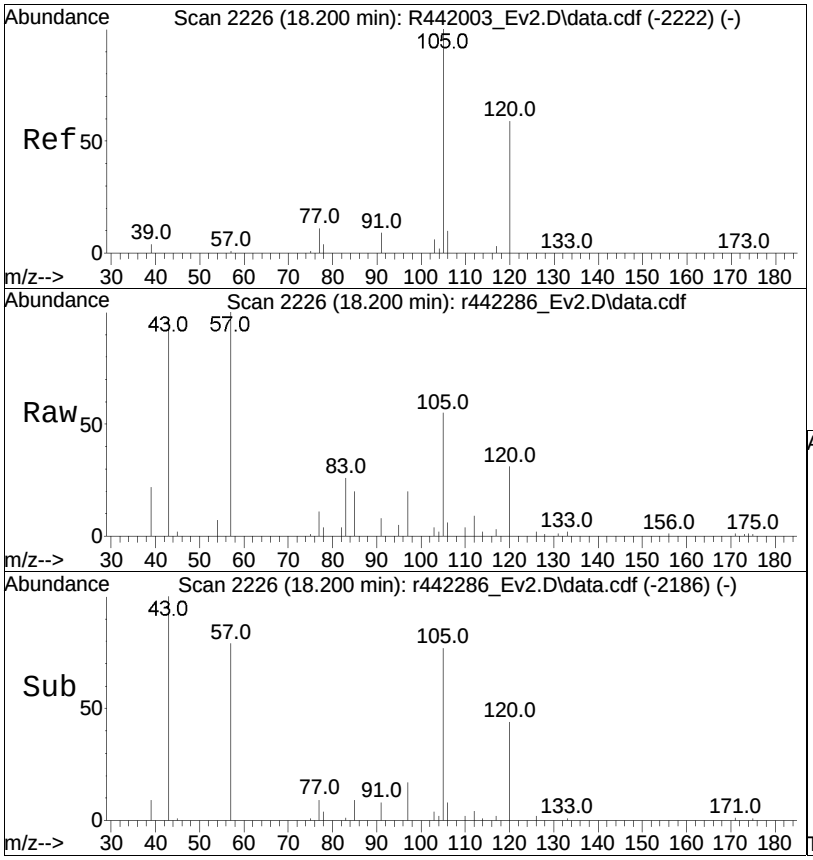


#65
o-xylene
Concen: 0.12 ppbV
RT: 17.058 min Scan# 2089
Delta R.T. -0.008 min
Lab File: r442286_Ev2.D
Acq: 3 Feb 2026 6:40 PM

Tgt Ion: 91 Resp: 10407

Ion	Ratio	Lower	Upper
91	100		
106	54.3	43.3	64.9

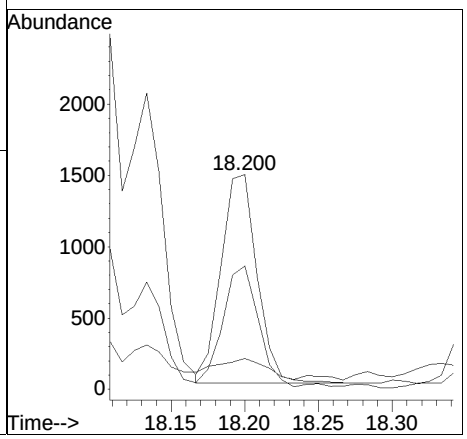


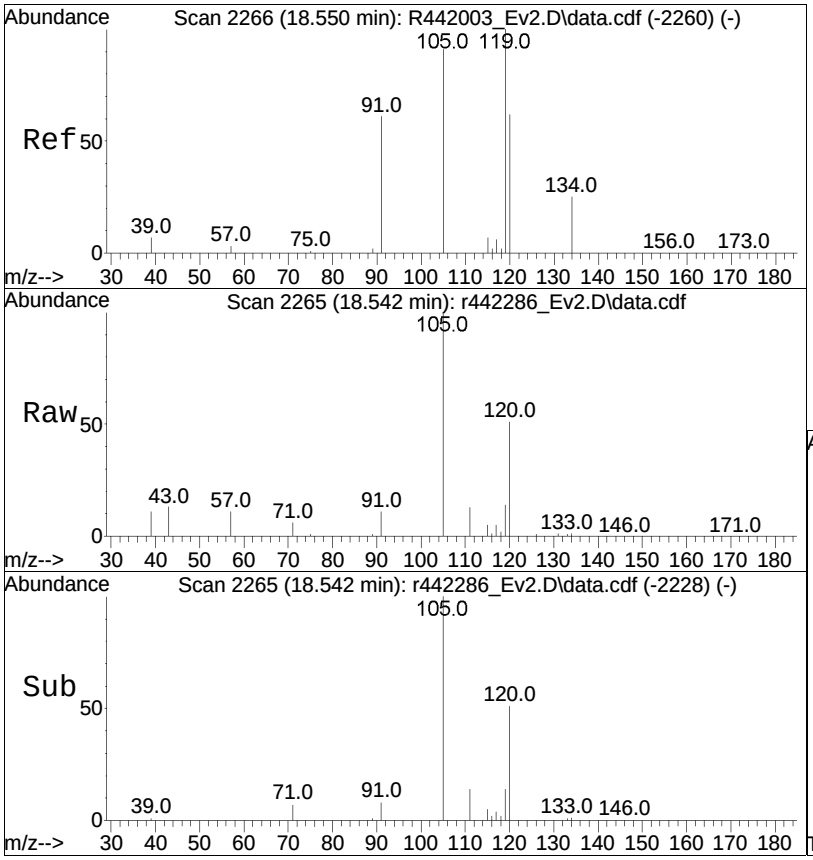


#71
1,3,5-trimethylbenzene
Concen: 0.03 ppbV
RT: 18.200 min Scan# 2226
Delta R.T. 0.000 min
Lab File: r442286_Ev2.D
Acq: 3 Feb 2026 6:40 PM

Tgt Ion:105 Resp: 2504

Ion	Ratio	Lower	Upper
105	100		
120	57.4	46.7	70.1
91	14.4	7.1	10.7#

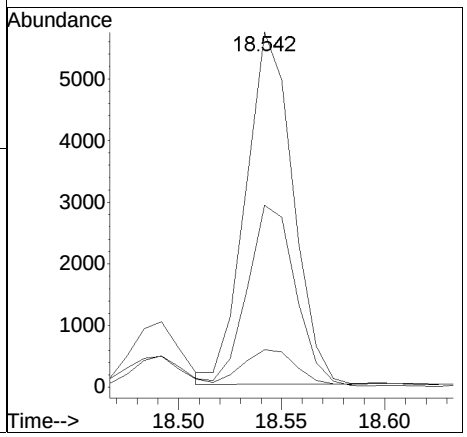


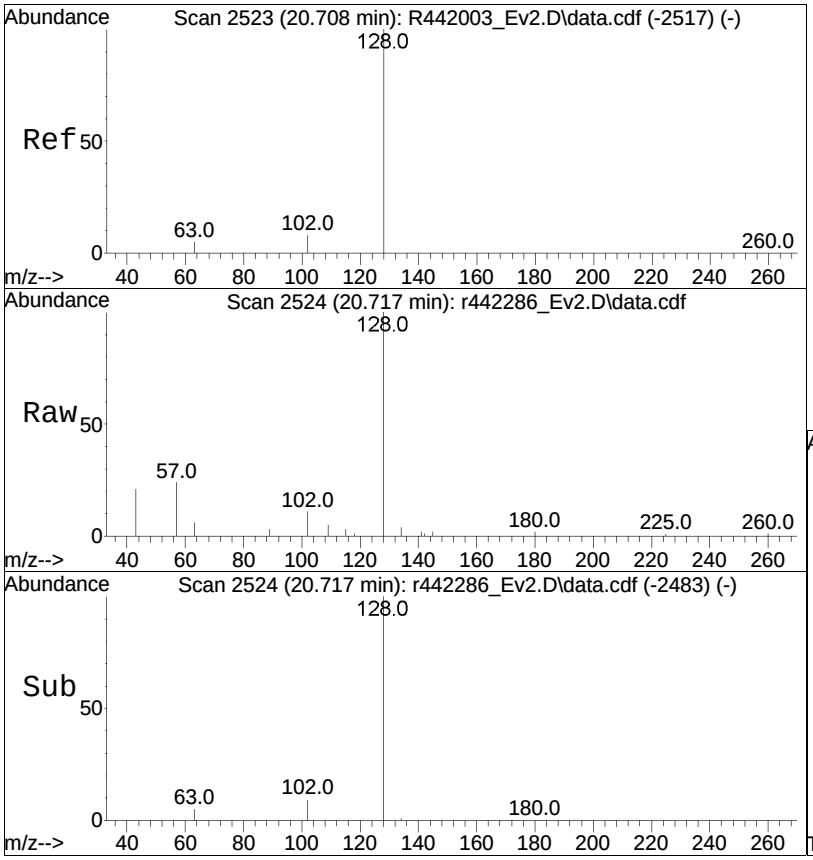


#73
1,2,4-trimethylbenzene
Concen: 0.10 ppbV
RT: 18.542 min Scan# 2265
Delta R.T. -0.008 min
Lab File: r442286_Ev2.D
Acq: 3 Feb 2026 6:40 PM

Tgt Ion:105 Resp: 9113

Ion	Ratio	Lower	Upper
105	100		
120	51.3	54.8	82.2#
91	10.6	54.0	81.0#

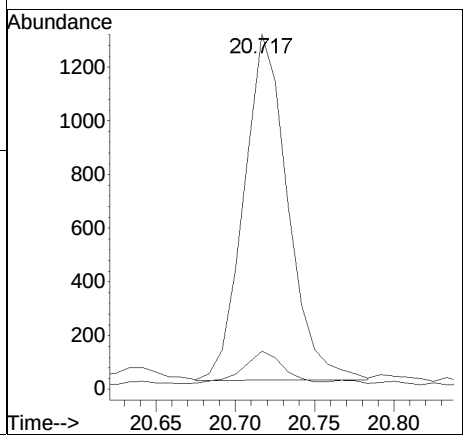




#83
naphthalene
Concen: 0.03 ppbV
RT: 20.717 min Scan# 2524
Delta R.T. 0.008 min
Lab File: r442286_Ev2.D
Acq: 3 Feb 2026 6:40 PM

Tgt Ion:128 Resp: 2488

Ion	Ratio	Lower	Upper
128	100		
102	10.7	6.2	9.4#



Manual Integration Report

Data Path	: X:\Airlab\Data\Airpiano4\2	QMethod	: TSIM4_260119.M
Data File	: r442286_Ev2.D	Operator	: AIRPIANO4:TPH
Date Inj'd	: 2/3/2026 6:40 PM	Instrument	:
Sample	: L2603846-07,3,250,250	Quant Date	: 2/4/2026 6:42 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\
Data File : r442293_Ev2.D
Acq On : 3 Feb 2026 11:14 PM
Operator : AIRPIANO4:TPH
Sample : L2603846-06,3,250,250
Misc : WG2171899,ICAL22994
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 04 06:43:31 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:55 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\r442283_Ev2.D
Sub List : 1,,,NYDEC-SIM - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.233	49	301991	10.000	ppbV	0.00
Standard Area = 346658			Recovery =		87.11%	
33) 1,4-difluorobenzene	11.453	114	845275	10.000	ppbV	0.00
Standard Area = 993616			Recovery =		85.07%	
51) chlorobenzene-D5	16.100	54	117744	10.000	ppbV	0.00
Standard Area = 132612			Recovery =		88.79%	
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.156	85	17465	0.532	ppbV	100
4) chloromethane	4.318	50	8985	0.597	ppbV	100
5) Freon-114	4.426	85	723	0.022	ppbV	96
6) vinyl chloride	0.000		0	N.D.		
8) bromomethane	4.984		0	N.D.		
9) chloroethane	5.176		0	N.D.		
10) ethanol	5.332	31	328065	22.877	ppbV	90
14) trichlorofluoromethane	6.010	101	6430	0.244	ppbV	100
17) 1,1-dichloroethene	0.000		0	N.D.		
18) tertiary butyl alcohol	0.000		0	N.D.	d	
19) methylene chloride	6.840	49	7776	0.311	ppbV	96
22) Freon 113	7.146	101	2442	0.070	ppbV	97
23) trans-1,2-dichloroethene	7.875		0	N.D.		
24) 1,1-dichloroethane	0.000		0	N.D.		
25) MTBE	8.208		0	N.D.		
27) 2-butanone	8.592	43	33229	0.794	ppbV	97
28) cis-1,2-dichloroethene	9.042		0	N.D.		
30) chloroform	9.383	83	1236	0.032	ppbV #	96
32) 1,2-dichloroethane	10.208	62	537	0.030	ppbV #	93
34) hexane	9.300	57	9590	0.256	ppbV #	44
36) 1,1,1-trichloroethane	10.500		0	N.D.		
37) benzene	11.033	78	21568	0.279	ppbV	98
38) carbon tetrachloride	11.207	117	1974	0.097	ppbV	97
39) cyclohexane	11.353	56	4104	0.100	ppbV #	92
41) 1,2-dichloropropane	11.973		0	N.D.		
42) bromodichloromethane	0.000		0	N.D.	d	
43) 1,4-dioxane	12.340		0	N.D.		
44) trichloroethene	12.253	130	2133	0.072	ppbV	95

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\
Data File : r442293_Ev2.D
Acq On : 3 Feb 2026 11:14 PM
Operator : AIRPIANO4:TPH
Sample : L2603846-06,3,250,250
Misc : WG2171899,ICAL22994
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 04 06:43:31 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:55 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\r442283_Ev2.D
Sub List : 1,,,NYDEC-SIM - .

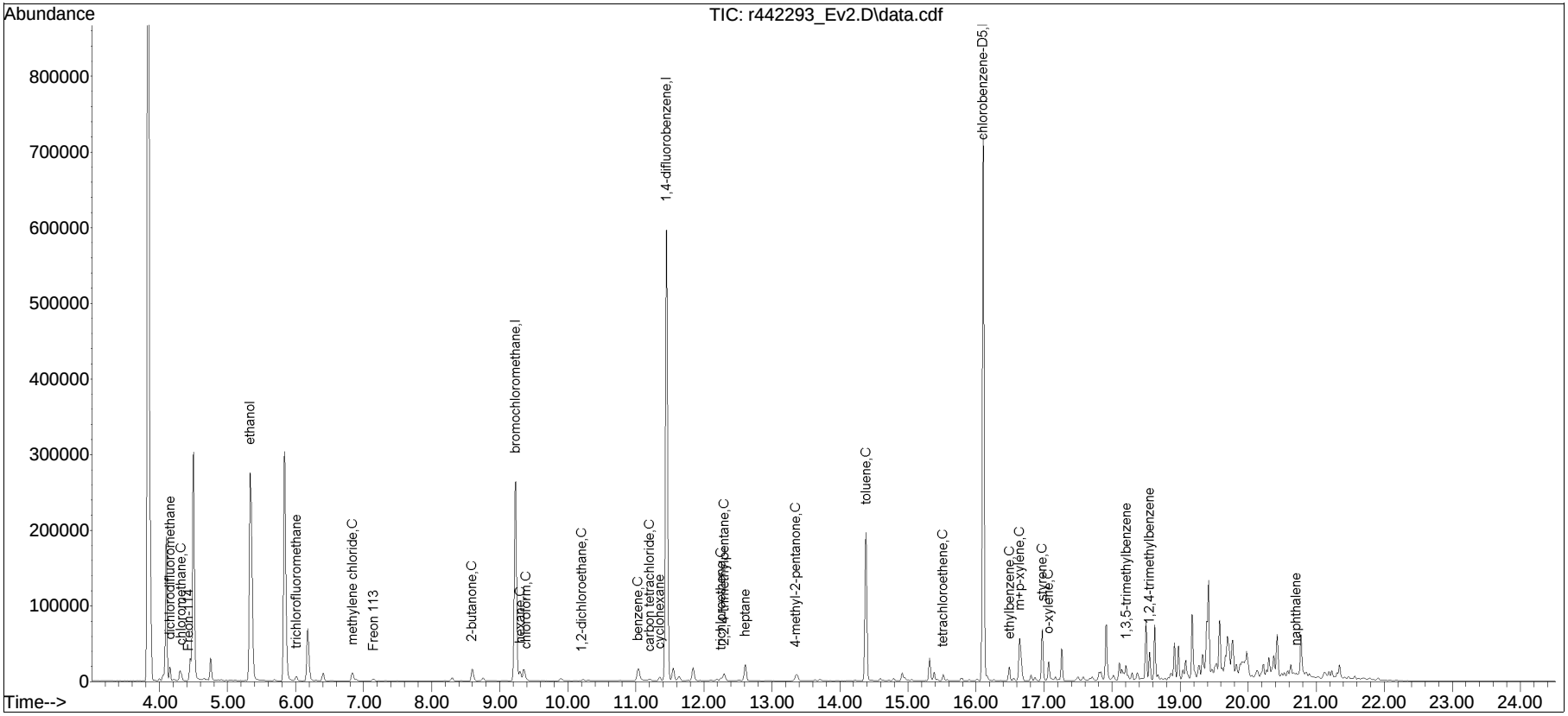
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 2,2,4-trimethylpentane	12.300	57	11126	0.093	ppbV #	87
46) heptane	12.607	43	17941	0.461	ppbV	94
47) cis-1,3-dichloropropene	0.000		0	N.D.		
48) 4-methyl-2-pentanone	13.350	43	6888	0.152	ppbV	94
49) trans-1,3-dichloropropene	0.000		0	N.D.		
50) 1,1,2-trichloroethane	14.225		0	N.D.		
52) toluene	14.383	91	215666	2.428	ppbV	99
55) dibromochloromethane	0.000		0	N.D.		
56) 1,2-dibromoethane	0.000		0	N.D.		
57) tetrachloroethene	15.517	166	6121	0.144	ppbV	98
59) chlorobenzene	0.000		0	N.D.	d	
60) ethylbenzene	16.492	91	18885	0.176	ppbV	97
61) m+p-xylene	16.642	91	58623	0.683	ppbV	97
62) bromoform	16.717		0	N.D.		
63) styrene	16.975	104	48587	0.731	ppbV	100
64) 1,1,2,2-tetrachloroethane	16.900		0	N.D.		
65) o-xylene	17.067	91	20171	0.234	ppbV	99
71) 1,3,5-trimethylbenzene	18.208	105	8358	0.089	ppbV	96
73) 1,2,4-trimethylbenzene	18.550	105	29063	0.318	ppbV #	53
74) Benzyl Chloride	18.692		0	N.D.		
75) 1,3-dichlorobenzene	18.750		0	N.D.		
76) 1,4-dichlorobenzene	18.750		0	N.D.		
79) 1,2-dichlorobenzene	19.033		0	N.D.		
82) 1,2,4-trichlorobenzene	20.592		0	N.D.		
83) naphthalene	20.708	128	2129	0.025	ppbV #	90
85) hexachlorobutadiene	21.033		0	N.D.		

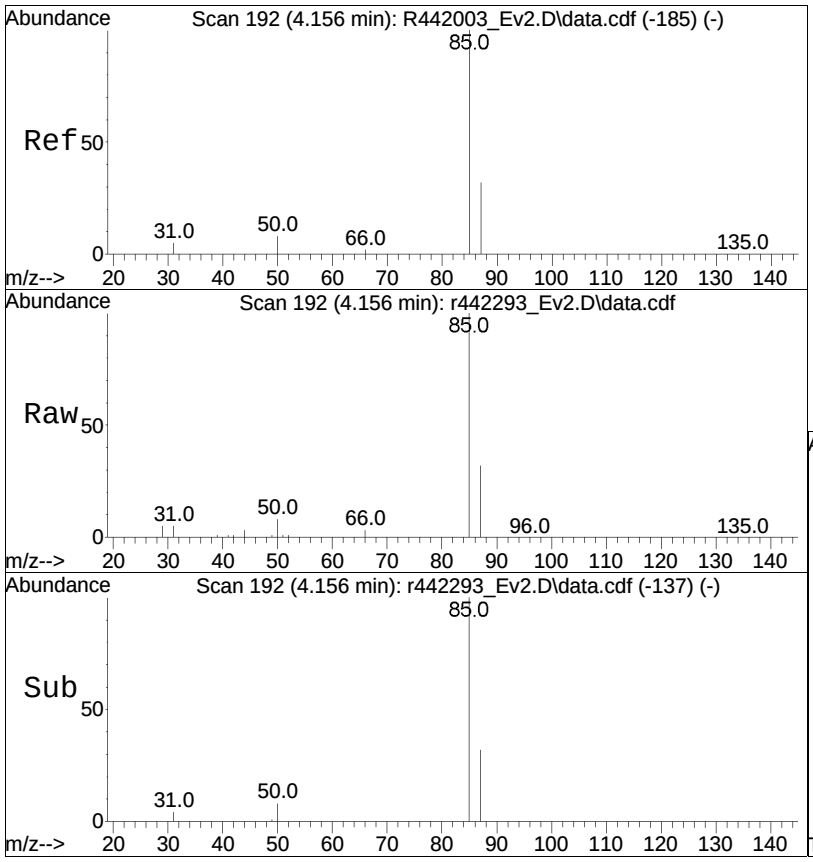
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 1,,,NYDEC-SIM - .rpiano4\2026\02\0203SIM\r442283_Ev2.D

Data Path : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\
Data File : r442293_Ev2.D
Acq On : 3 Feb 2026 11:14 PM
Operator : AIRPIANO4:TPH
Sample : L2603846-06,3,250,250
Misc : WG2171899,ICAL22994
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 04 06:43:31 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:55 2026
Response via : Initial Calibration

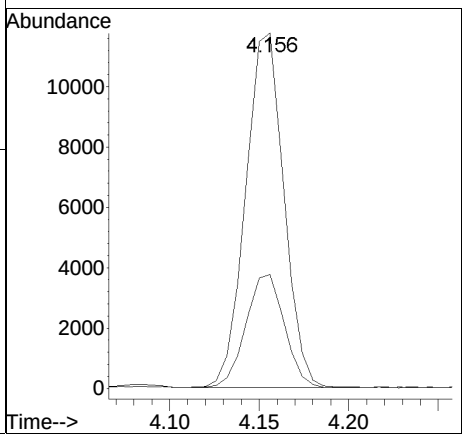


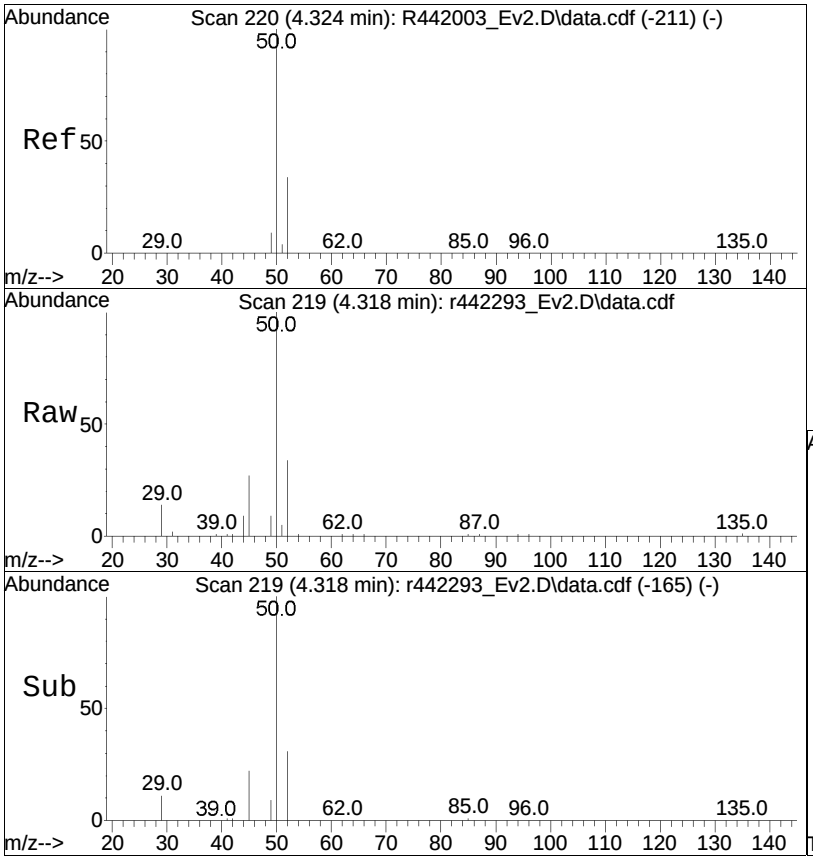


#3
dichlorodifluoromethane
Concen: 0.53 ppbV
RT: 4.156 min Scan# 192
Delta R.T. 0.000 min
Lab File: r442293_Ev2.D
Acq: 3 Feb 2026 11:14 PM

Tgt Ion: 85 Resp: 17465

Ion	Ratio	Lower	Upper
85	100		
87	32.1	25.7	38.5

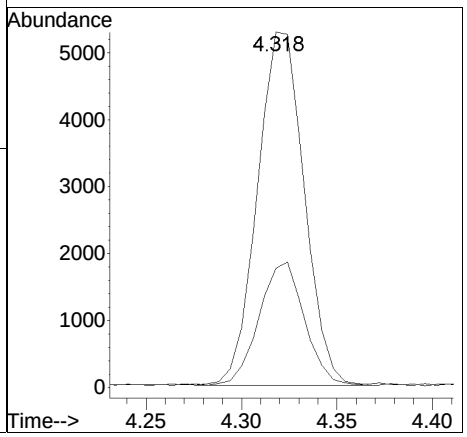


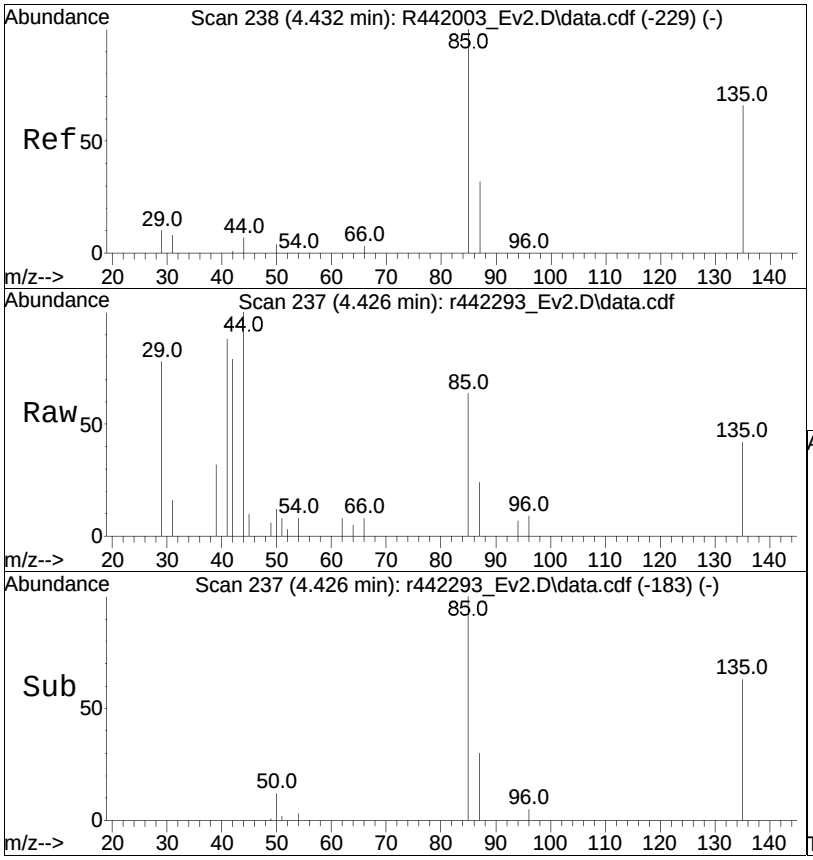


#4
chloromethane
Concen: 0.60 ppbV
RT: 4.318 min Scan# 219
Delta R.T. -0.006 min
Lab File: r442293_Ev2.D
Acq: 3 Feb 2026 11:14 PM

Tgt Ion: 50 Resp: 8985

Ion	Ratio	Lower	Upper
50	100		
52	33.5	27.0	40.6

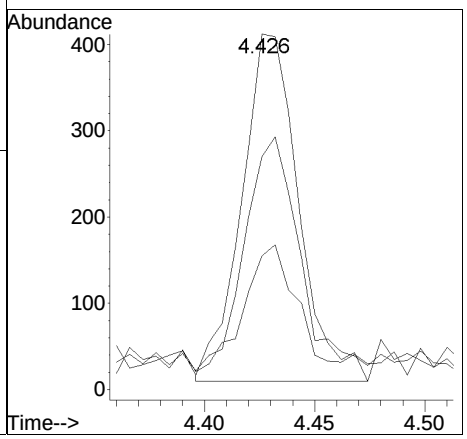


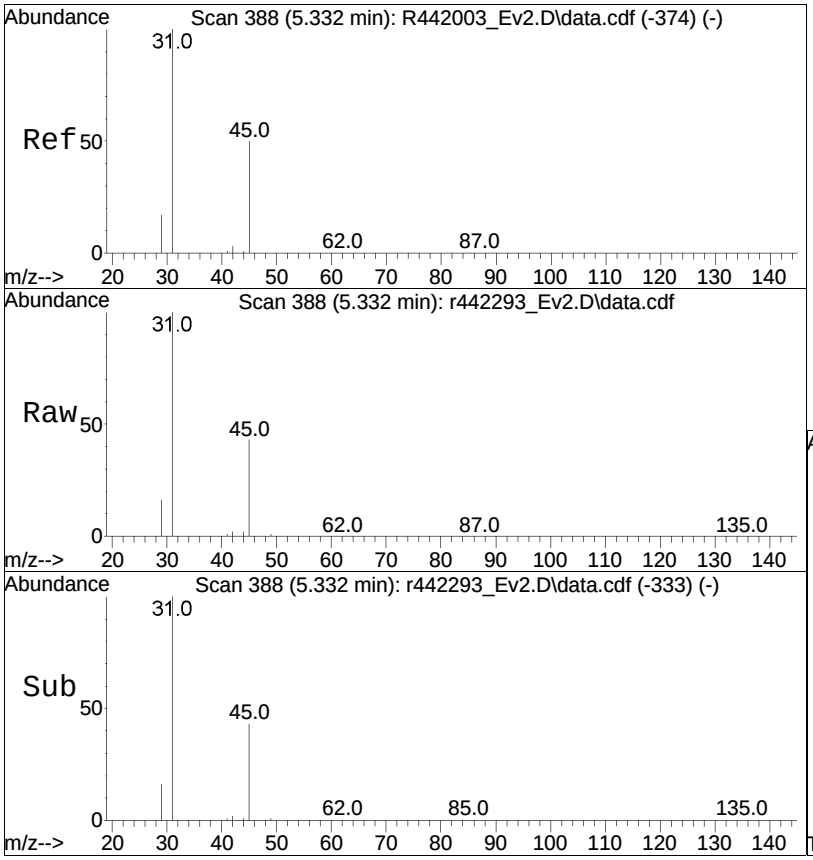


#5
Freon-114
Concen: 0.02 ppbV
RT: 4.426 min Scan# 237
Delta R.T. -0.006 min
Lab File: r442293_Ev2.D
Acq: 3 Feb 2026 11:14 PM

Tgt Ion: 85 Resp: 723

Ion	Ratio	Lower	Upper
85	100		
87	37.6	26.0	39.0
135	65.5	53.1	79.7

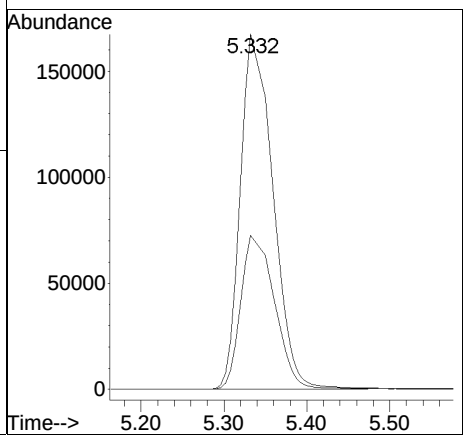


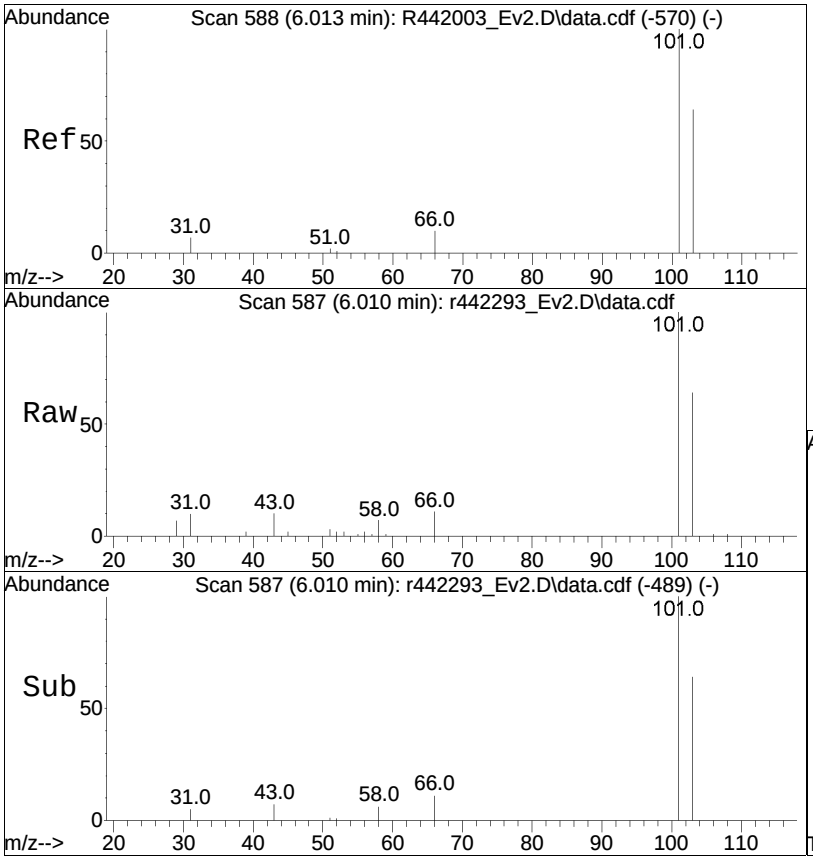


#10
ethanol
Concen: 22.88 ppbV
RT: 5.332 min Scan# 388
Delta R.T. 0.000 min
Lab File: r442293_Ev2.D
Acq: 3 Feb 2026 11:14 PM

Tgt Ion: 31 Resp: 328065

Ion	Ratio	Lower	Upper
31	100		
45	43.3	40.0	60.0

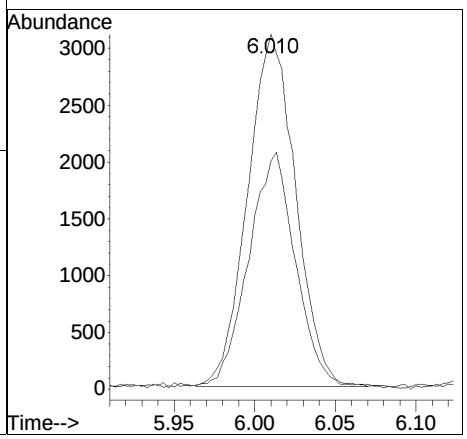


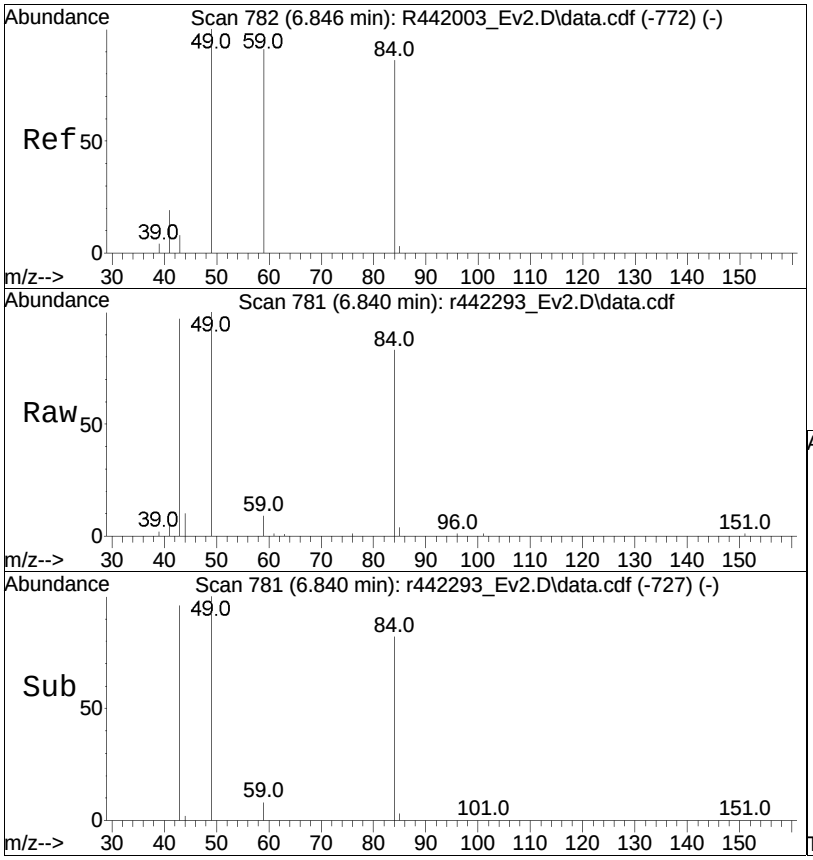


#14
trichlorofluoromethane
Concen: 0.24 ppbV
RT: 6.010 min Scan# 587
Delta R.T. -0.003 min
Lab File: r442293_Ev2.D
Acq: 3 Feb 2026 11:14 PM

Tgt Ion:101 Resp: 6430

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.6	77.4

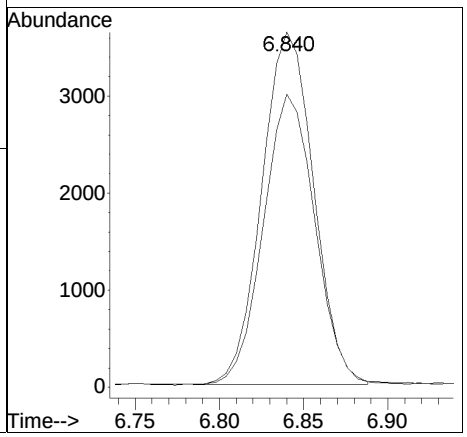


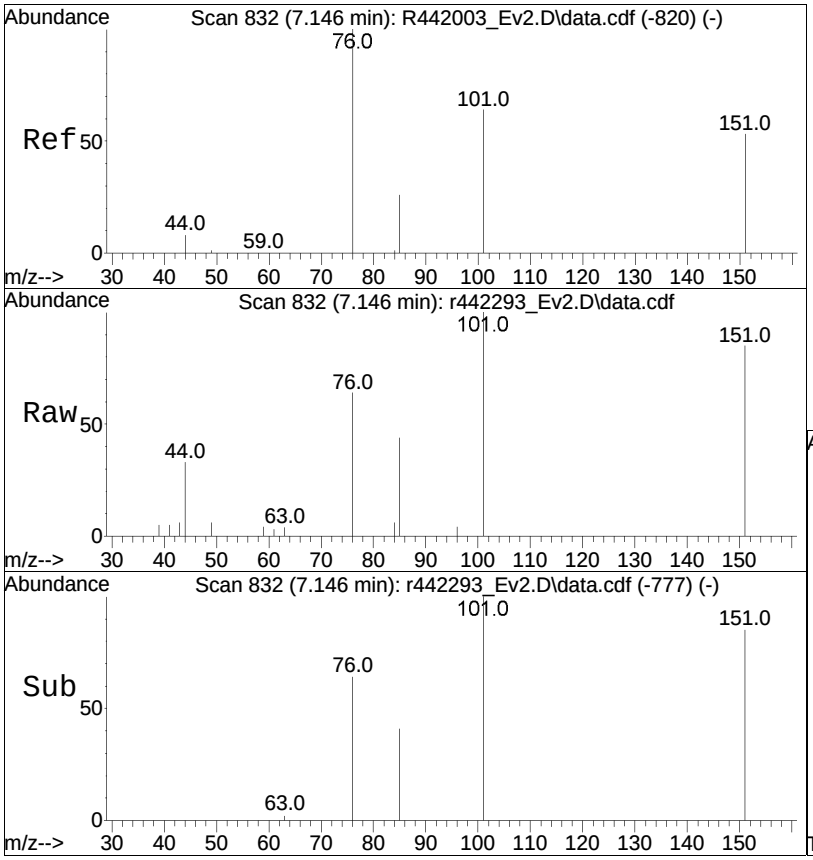


#19
methylene chloride
Concen: 0.31 ppbV
RT: 6.840 min Scan# 781
Delta R.T. -0.006 min
Lab File: r442293_Ev2.D
Acq: 3 Feb 2026 11:14 PM

Tgt Ion: 49 Resp: 7776

Ion	Ratio	Lower	Upper
49	100		
84	82.6	68.9	103.3

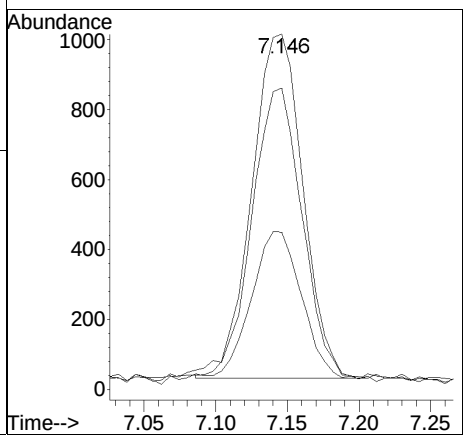


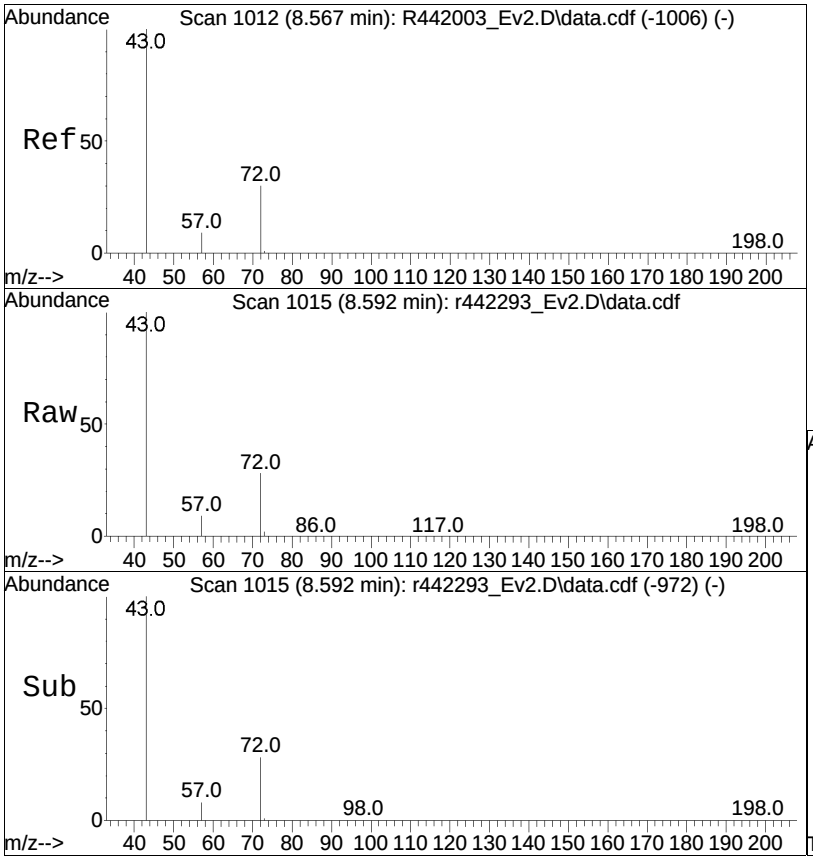


#22
Freon 113
Concen: 0.07 ppbV
RT: 7.146 min Scan# 832
Delta R.T. 0.000 min
Lab File: r442293_Ev2.D
Acq: 3 Feb 2026 11:14 PM

Tgt Ion:101 Resp: 2442

Ion	Ratio	Lower	Upper
101	100		
85	44.3	33.1	49.7
151	84.8	66.0	99.0

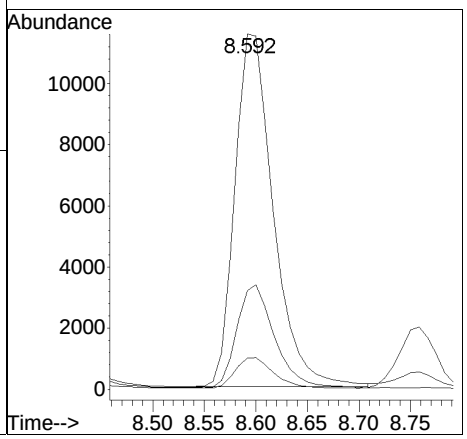


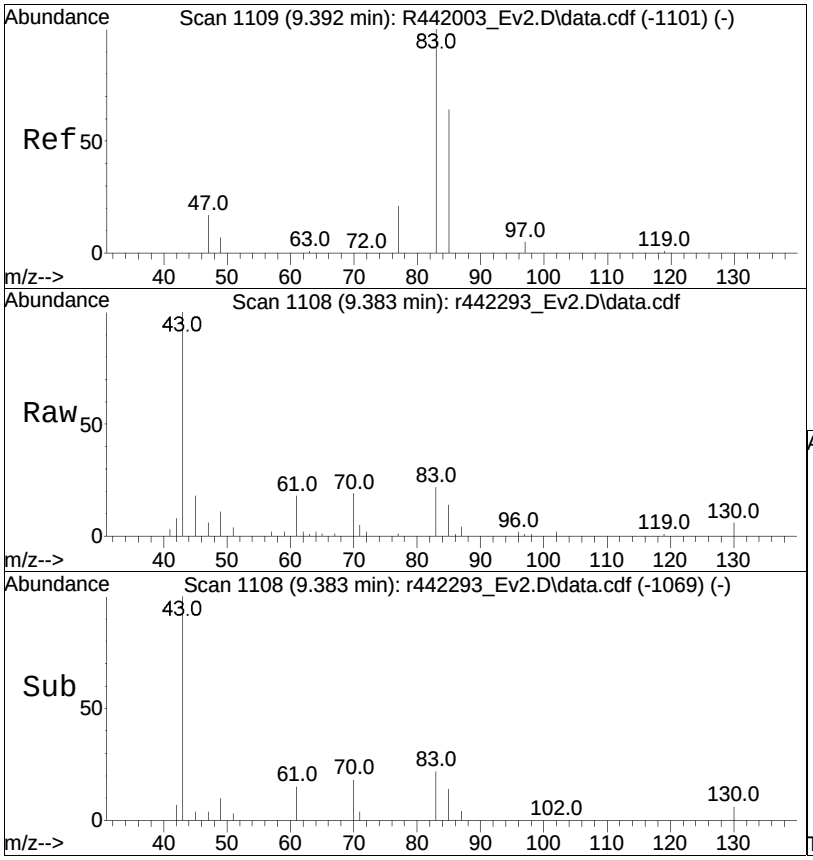


#27
2-butanone
Concen: 0.79 ppbV
RT: 8.592 min Scan# 1015
Delta R.T. 0.025 min
Lab File: r442293_Ev2.D
Acq: 3 Feb 2026 11:14 PM

Tgt Ion: 43 Resp: 33229

Ion	Ratio	Lower	Upper
43	100		
72	27.8	23.9	35.9
57	8.8	7.4	11.2

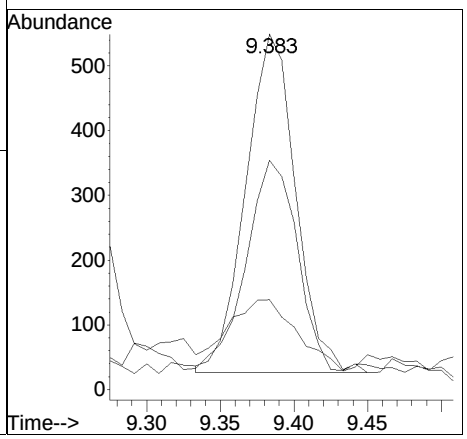


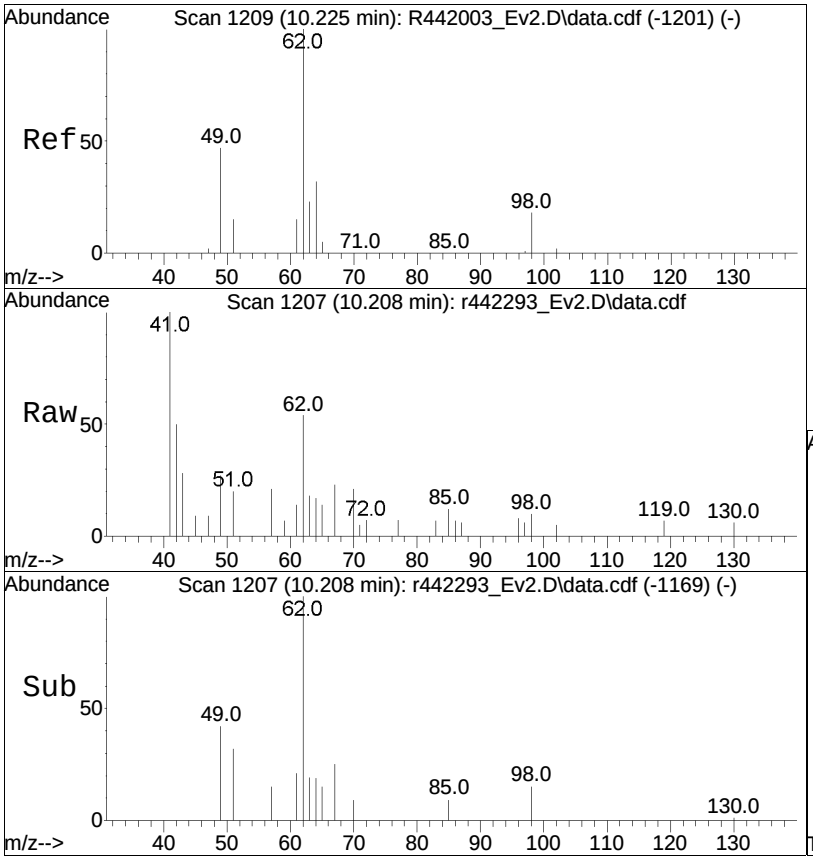


#30
chloroform
Concen: 0.03 ppbV
RT: 9.383 min Scan# 1108
Delta R.T. -0.008 min
Lab File: r442293_Ev2.D
Acq: 3 Feb 2026 11:14 PM

Tgt Ion: 83 Resp: 1236

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.5	77.3
47	25.3	13.8	20.6#

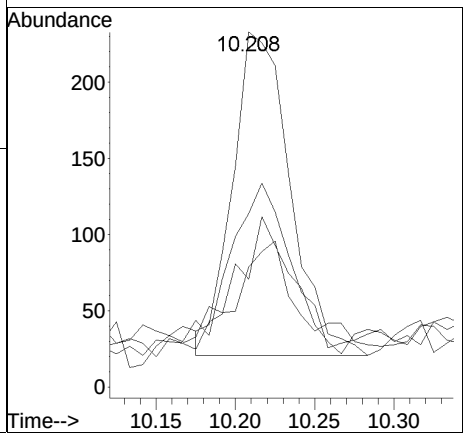


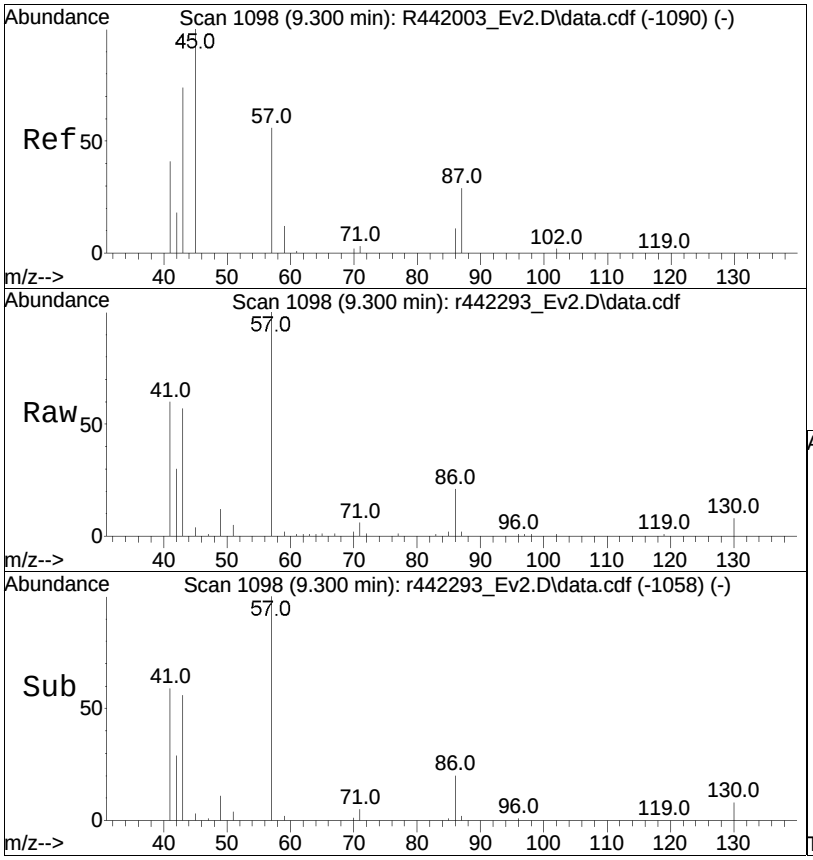


#32
1,2-dichloroethane
Concen: 0.03 ppbV
RT: 10.208 min Scan# 1207
Delta R.T. -0.017 min
Lab File: r442293_Ev2.D
Acq: 3 Feb 2026 11:14 PM

Tgt Ion: 62 Resp: 537

Ion	Ratio	Lower	Upper
62	100		
64	30.5	25.4	38.2
49	48.9	37.4	56.2
63	33.9	18.5	27.7#

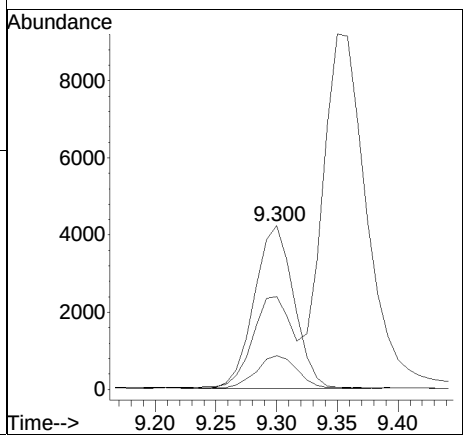


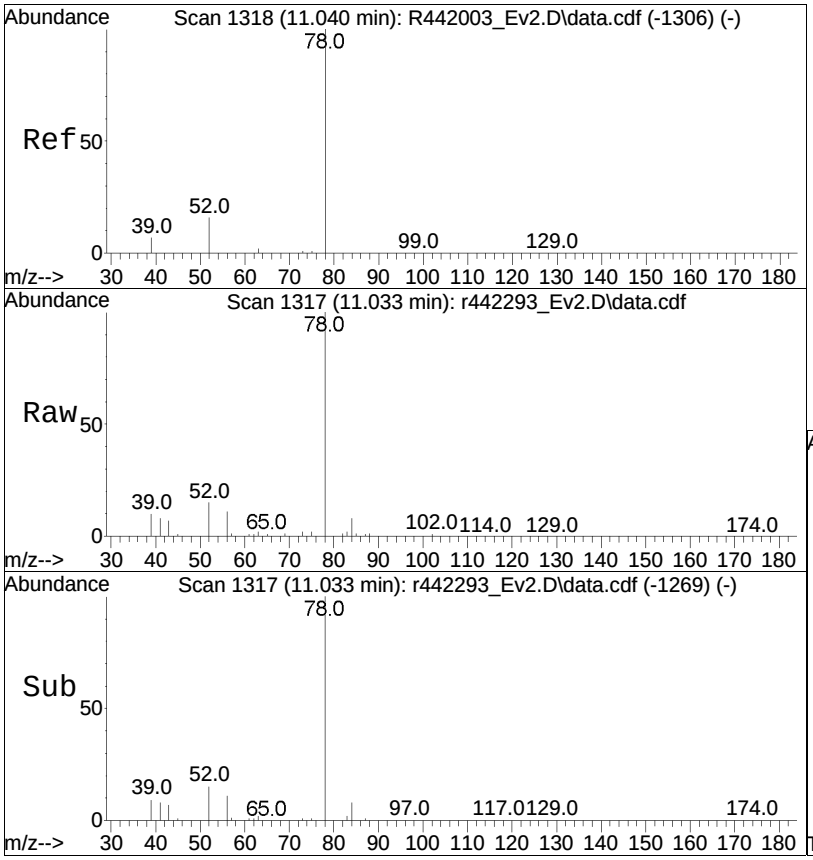


#34
hexane
Concen: 0.26 ppbV
RT: 9.300 min Scan# 1098
Delta R.T. 0.000 min
Lab File: r442293_Ev2.D
Acq: 3 Feb 2026 11:14 PM

Tgt Ion: 57 Resp: 9590

Ion	Ratio	Lower	Upper
57	100		
43	56.7	105.6	158.4#
86	20.6	15.8	23.8

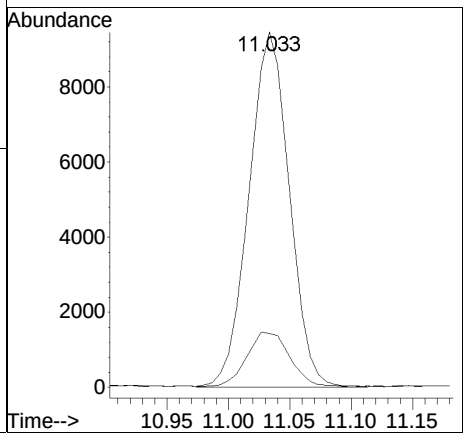


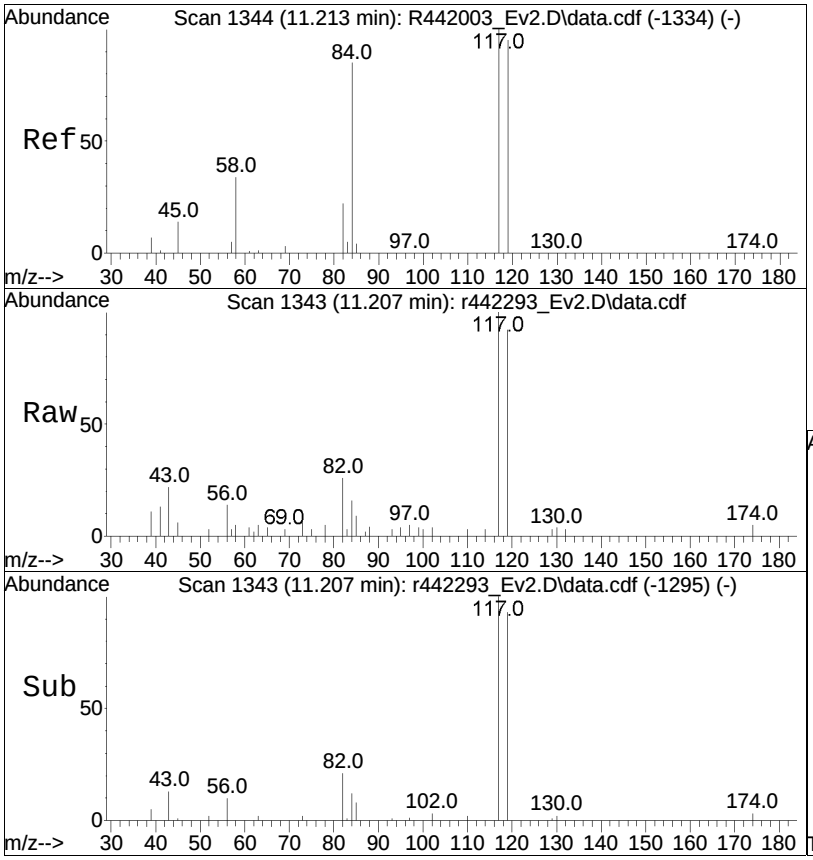


#37
benzene
Concen: 0.28 ppbV
RT: 11.033 min Scan# 1317
Delta R.T. -0.007 min
Lab File: r442293_Ev2.D
Acq: 3 Feb 2026 11:14 PM

Tgt Ion: 78 Resp: 21568

Ion	Ratio	Lower	Upper
78	100		
52	15.2	12.8	19.2

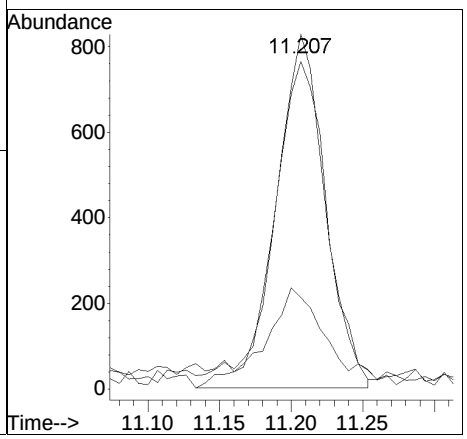


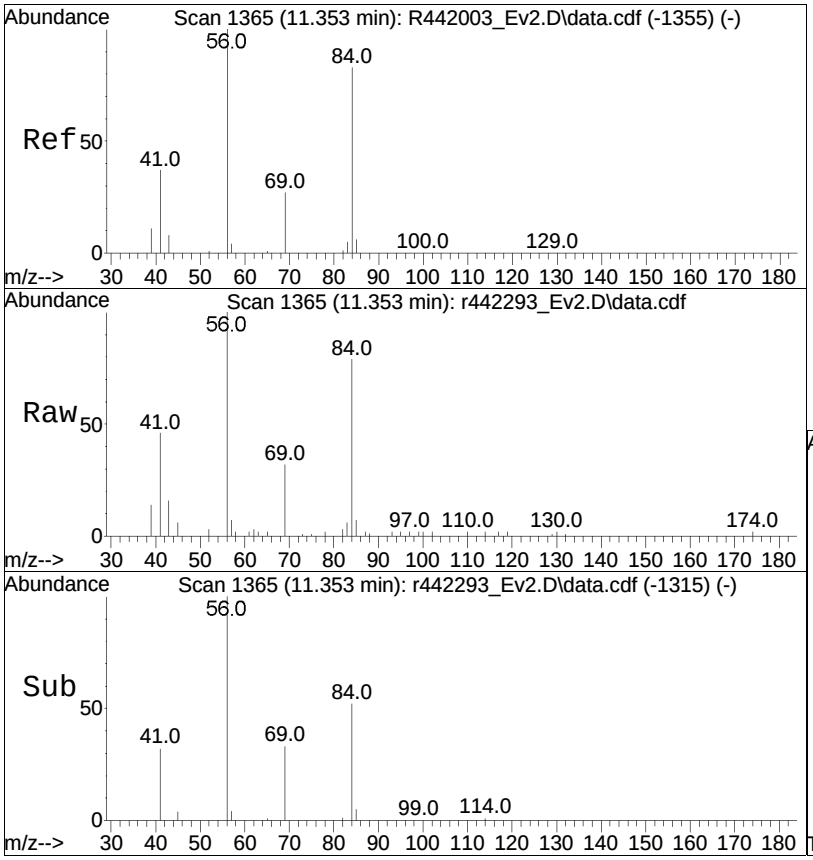


#38
carbon tetrachloride
Concen: 0.10 ppbV
RT: 11.207 min Scan# 1343
Delta R.T. -0.007 min
Lab File: r442293_Ev2.D
Acq: 3 Feb 2026 11:14 PM

Tgt Ion:117 Resp: 1974

Ion	Ratio	Lower	Upper
117	100		
119	92.3	75.6	113.4
82	25.8	17.9	26.9

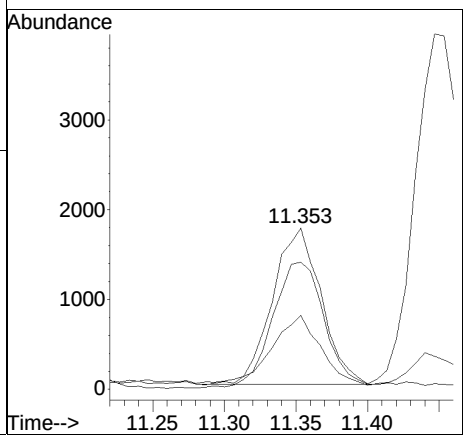


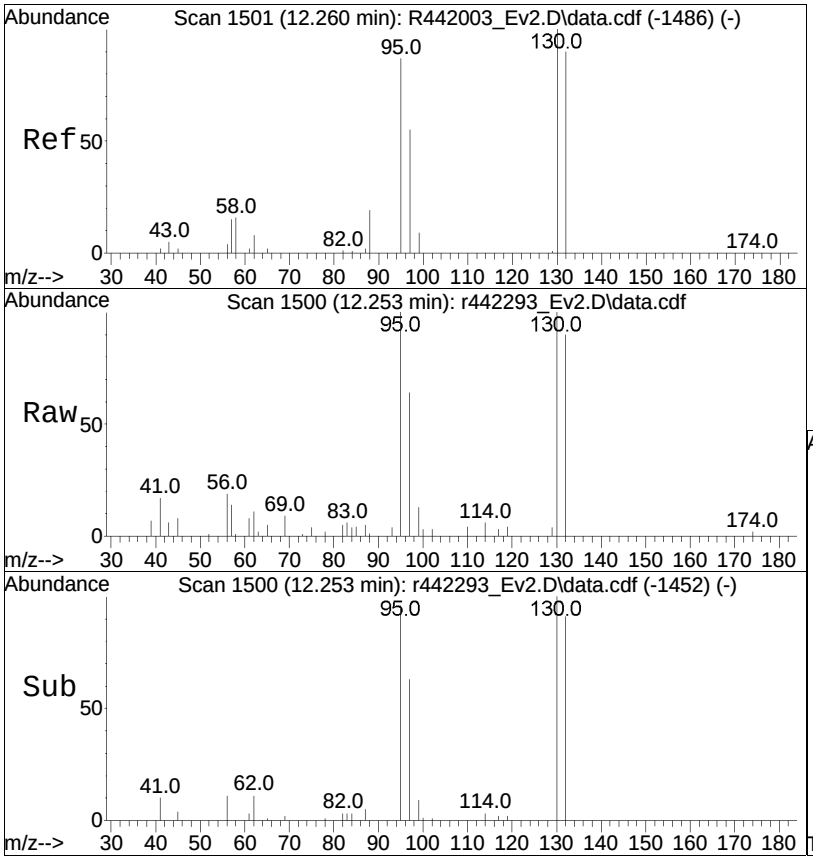


#39
cyclohexane
Concen: 0.10 ppbV
RT: 11.353 min Scan# 1365
Delta R.T. 0.000 min
Lab File: r442293_Ev2.D
Acq: 3 Feb 2026 11:14 PM

Tgt Ion: 56 Resp: 4104

Ion	Ratio	Lower	Upper
56	100		
84	78.9	66.3	99.5
41	46.0	29.5	44.3#

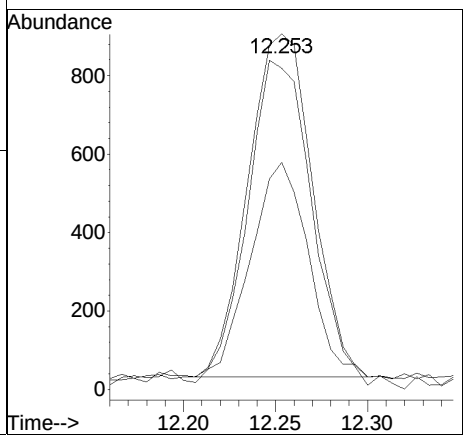


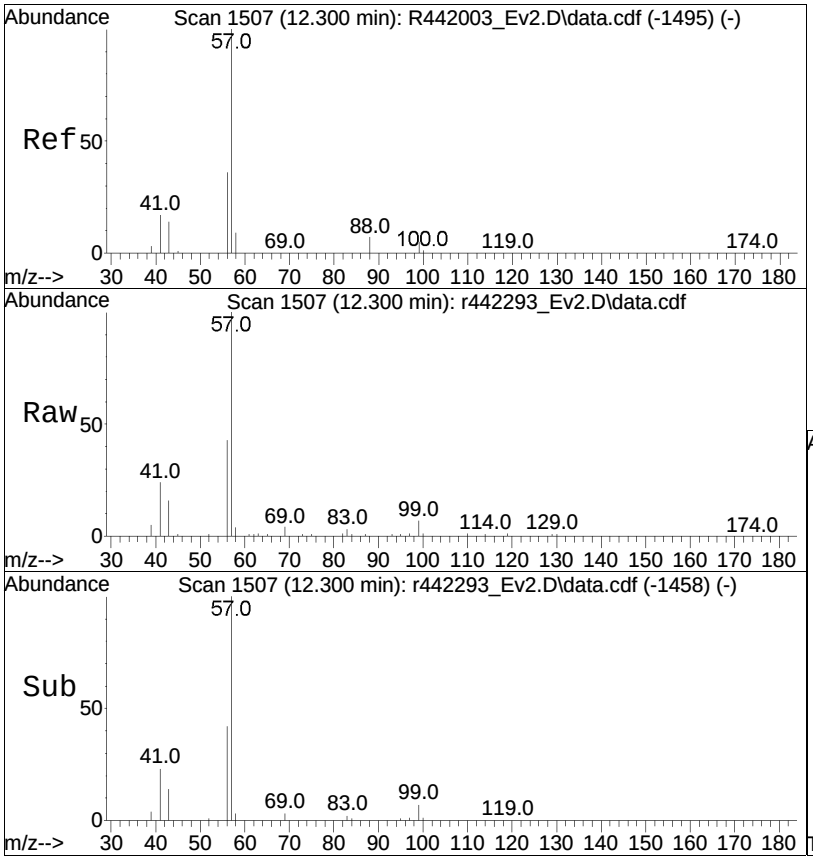


#44
trichloroethene
Concen: 0.07 ppbV
RT: 12.253 min Scan# 1500
Delta R.T. -0.007 min
Lab File: r442293_Ev2.D
Acq: 3 Feb 2026 11:14 PM

Tgt Ion:130 Resp: 2133

Ion	Ratio	Lower	Upper
130	100		
132	90.4	71.8	107.6
97	63.9	44.2	66.2

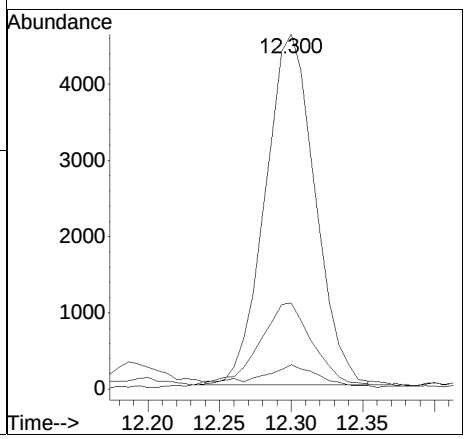


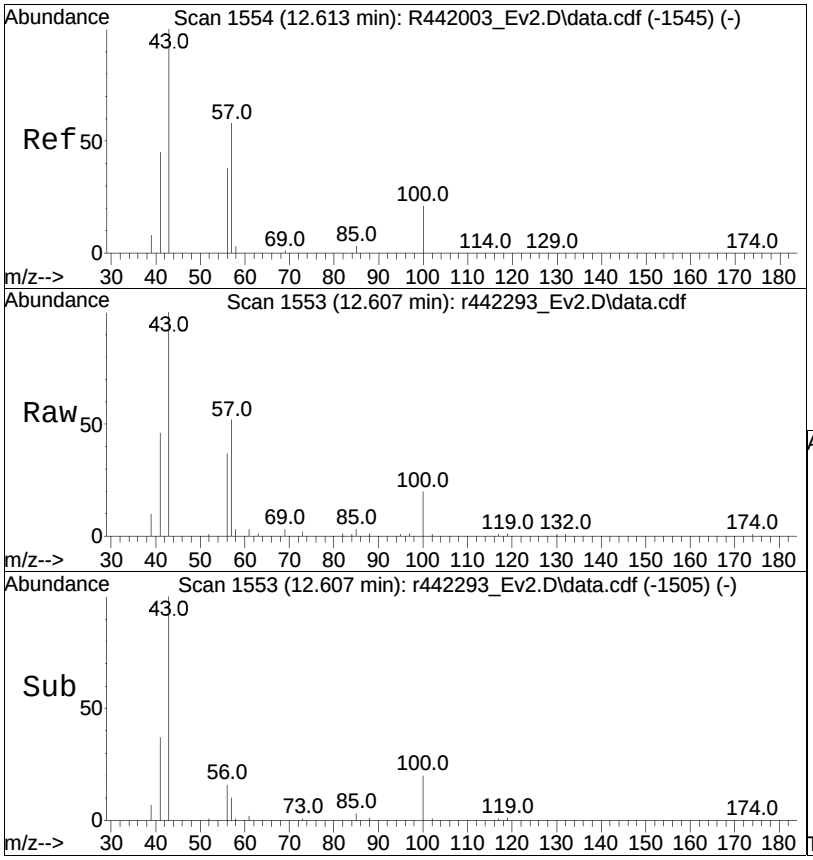


#45
2,2,4-trimethylpentane
Concen: 0.09 ppbV
RT: 12.300 min Scan# 1507
Delta R.T. 0.000 min
Lab File: r442293_Ev2.D
Acq: 3 Feb 2026 11:14 PM

Tgt Ion: 57 Resp: 11126

Ion	Ratio	Lower	Upper
57	100		
99	6.9	4.3	6.5#
41	24.3	13.8	20.8#

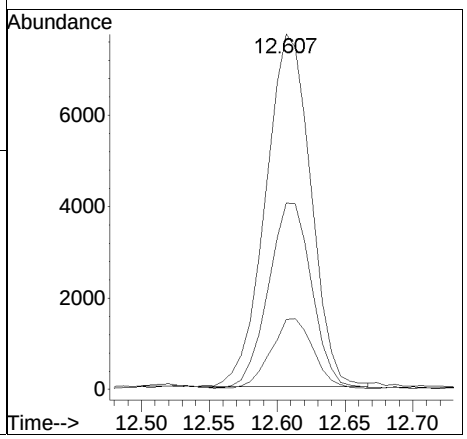


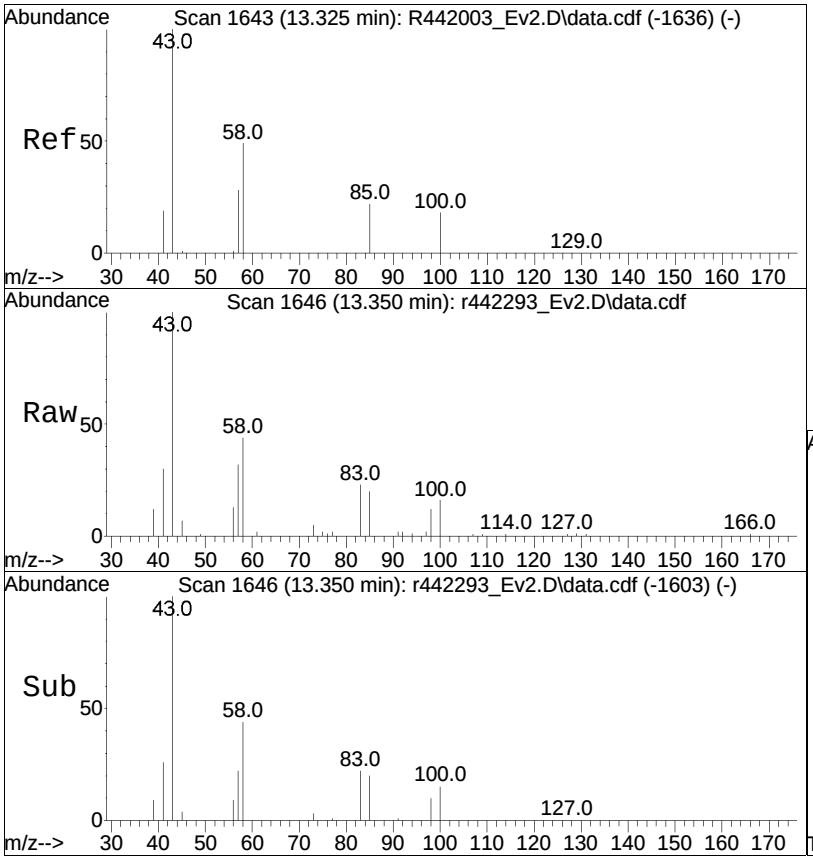


#46
heptane
Concen: 0.46 ppbV
RT: 12.607 min Scan# 1553
Delta R.T. -0.007 min
Lab File: r442293_Ev2.D
Acq: 3 Feb 2026 11:14 PM

Tgt Ion: 43 Resp: 17941

Ion	Ratio	Lower	Upper
43	100		
57	52.4	46.6	69.8
100	19.7	16.9	25.3

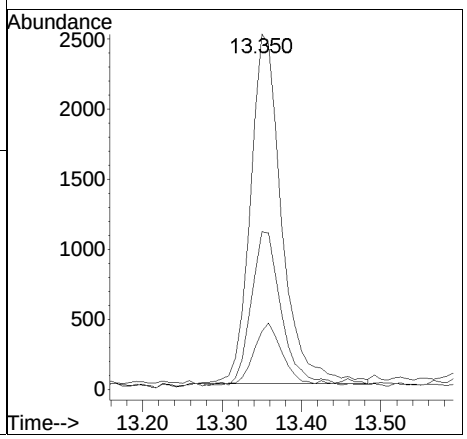


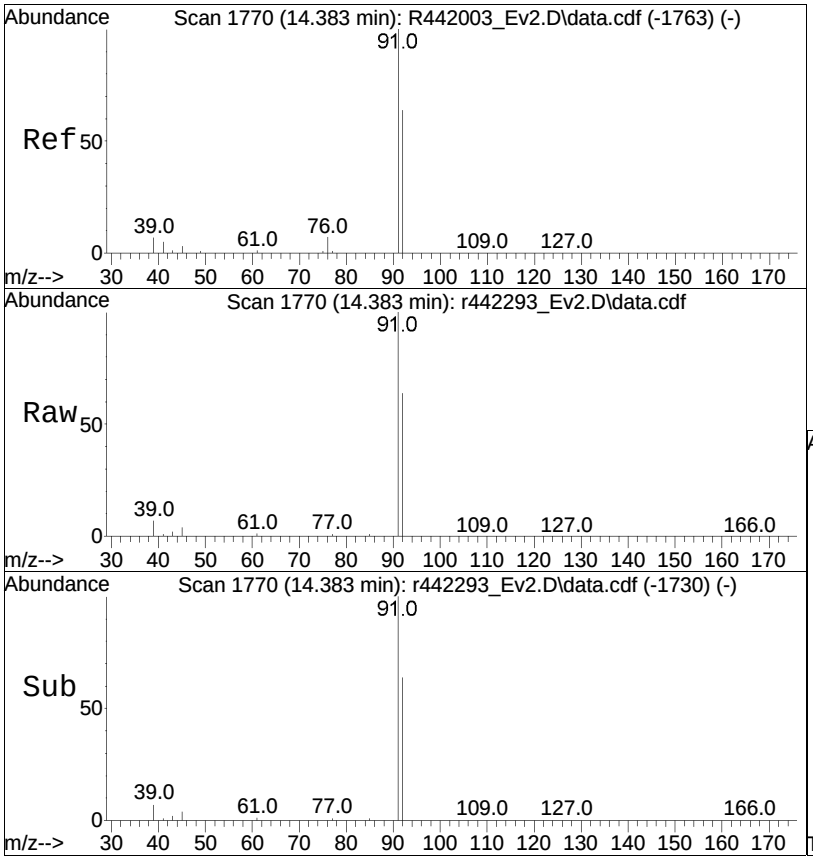


#48
4-methyl-2-pentanone
Concen: 0.15 ppbV
RT: 13.350 min Scan# 1646
Delta R.T. 0.025 min
Lab File: r442293_Ev2.D
Acq: 3 Feb 2026 11:14 PM

Tgt Ion: 43 Resp: 6888

Ion	Ratio	Lower	Upper
43	100		
58	44.4	39.2	58.8
100	16.3	14.2	21.2

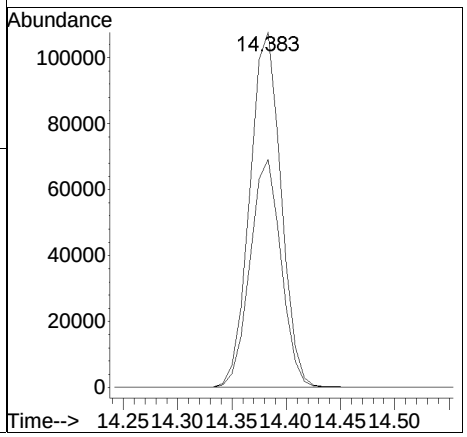


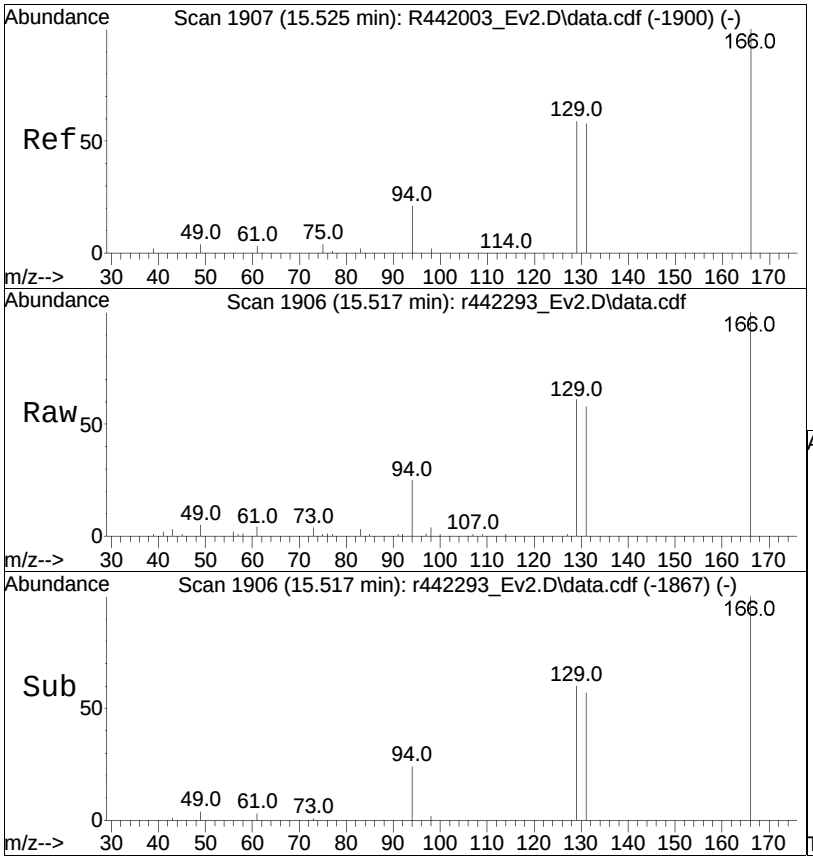


#52
toluene
Concen: 2.43 ppbV
RT: 14.383 min Scan# 1770
Delta R.T. 0.000 min
Lab File: r442293_Ev2.D
Acq: 3 Feb 2026 11:14 PM

Tgt Ion: 91 Resp: 215666

Ion	Ratio	Lower	Upper
91	100		
92	64.2	51.0	76.6

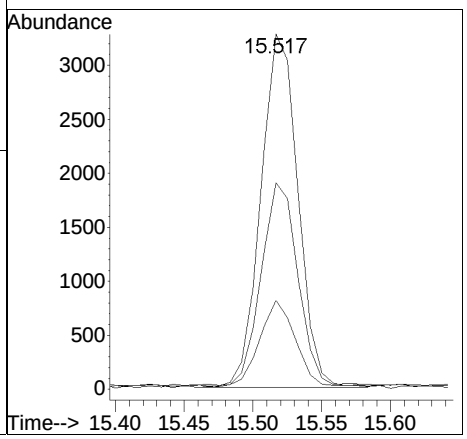


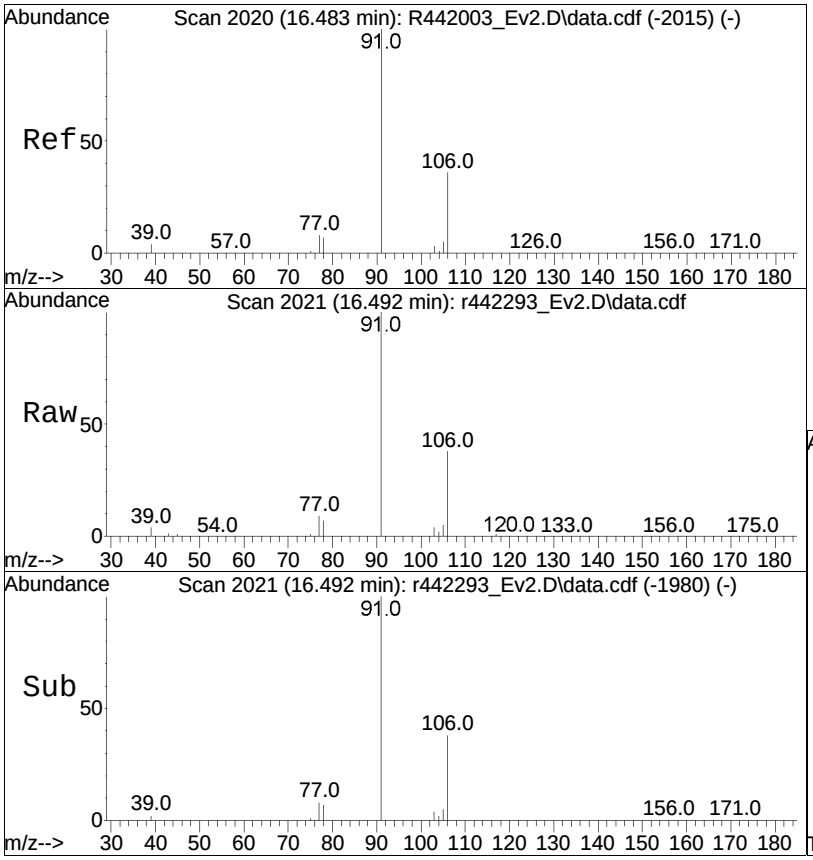


#57
tetrachloroethene
Concen: 0.14 ppbV
RT: 15.517 min Scan# 1906
Delta R.T. -0.008 min
Lab File: r442293_Ev2.D
Acq: 3 Feb 2026 11:14 PM

Tgt Ion:166 Resp: 6121

Ion	Ratio	Lower	Upper
166	100		
131	58.2	46.2	69.2
94	25.1	17.2	25.8

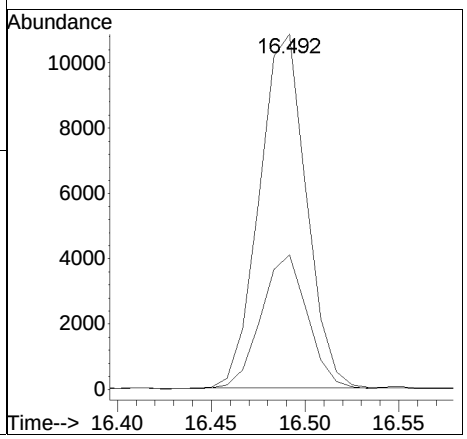


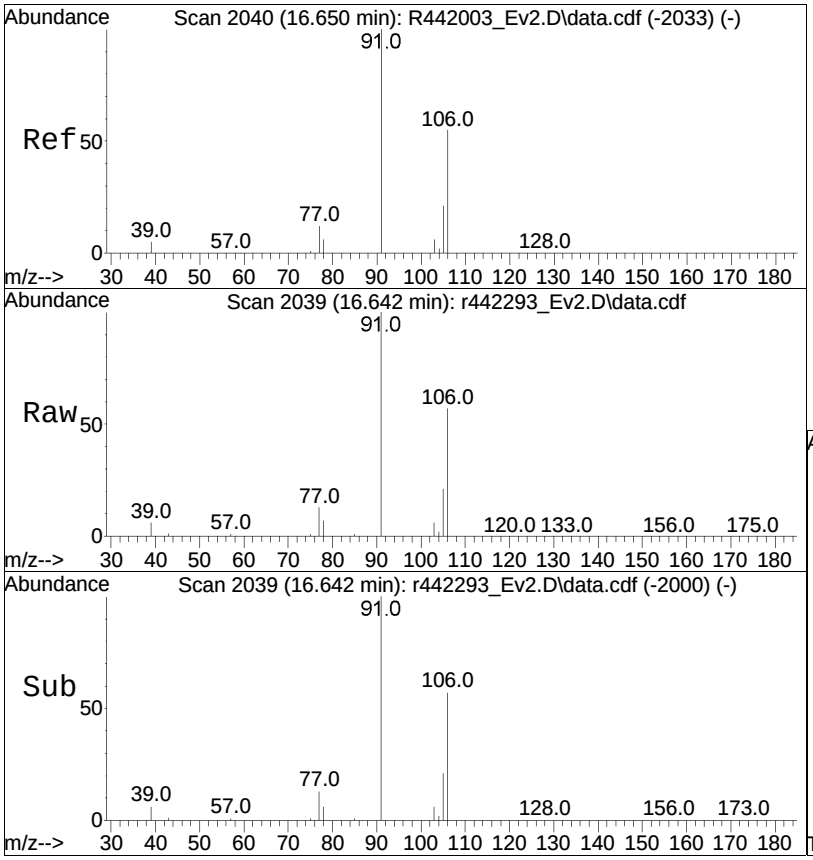


#60
ethylbenzene
Concen: 0.18 ppbV
RT: 16.492 min Scan# 2021
Delta R.T. 0.008 min
Lab File: r442293_Ev2.D
Acq: 3 Feb 2026 11:14 PM

Tgt Ion: 91 Resp: 18885

Ion	Ratio	Lower	Upper
91	100		
106	37.8	28.9	43.3

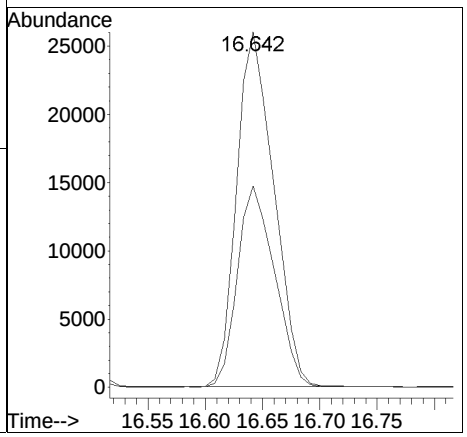


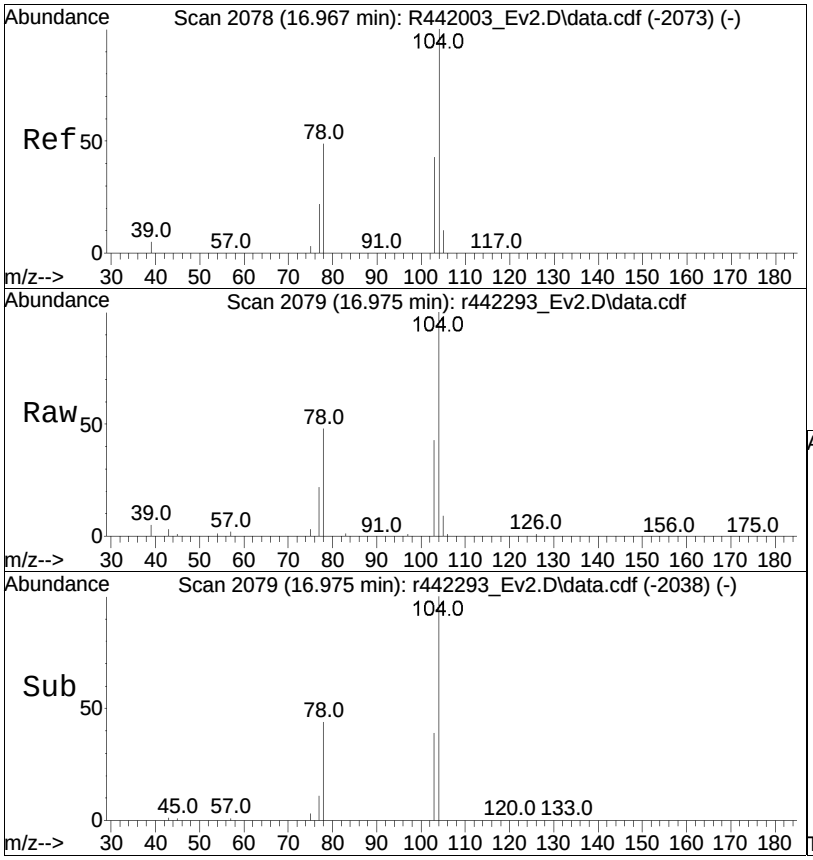


#61
m+p-xylene
Concen: 0.68 ppbV
RT: 16.642 min Scan# 2039
Delta R.T. -0.008 min
Lab File: r442293_Ev2.D
Acq: 3 Feb 2026 11:14 PM

Tgt Ion: 91 Resp: 58623

Ion	Ratio	Lower	Upper
91	100		
106	56.7	43.9	65.9

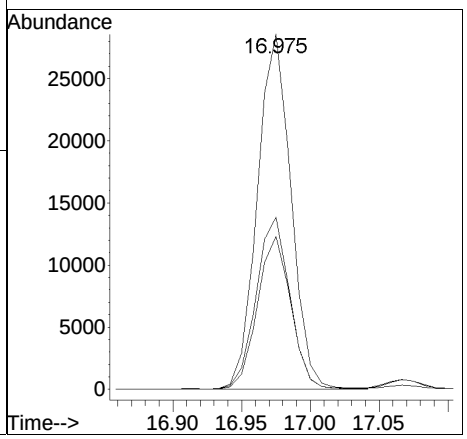


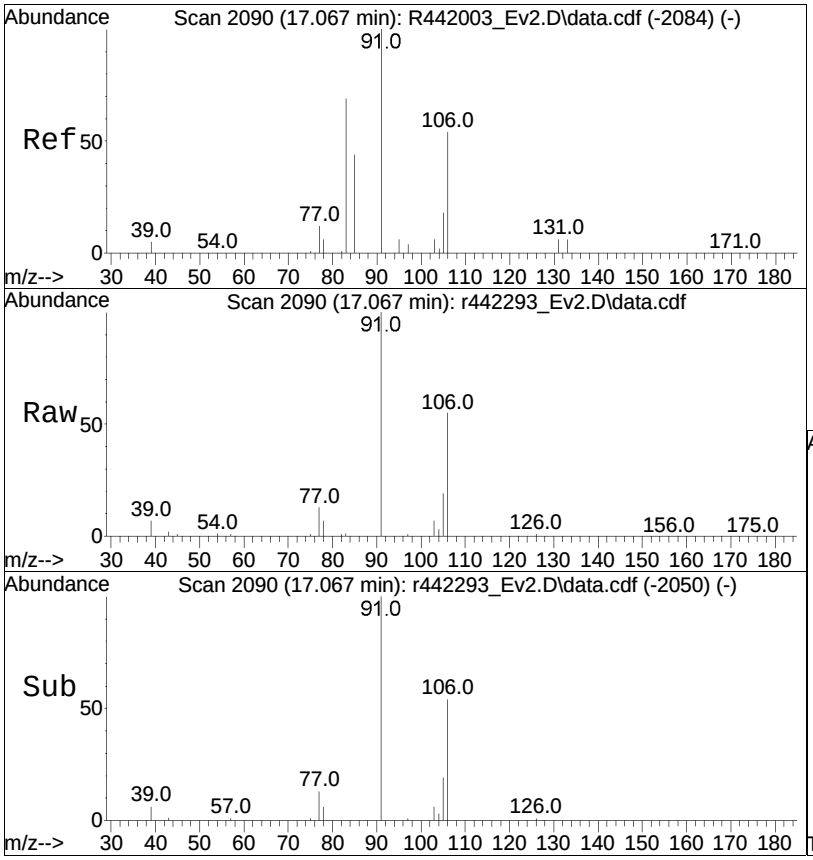


#63
styrene
Concen: 0.73 ppbV
RT: 16.975 min Scan# 2079
Delta R.T. 0.008 min
Lab File: r442293_Ev2.D
Acq: 3 Feb 2026 11:14 PM

Tgt Ion:104 Resp: 48587

Ion	Ratio	Lower	Upper
104	100		
103	43.1	34.7	52.1
78	48.5	38.9	58.3

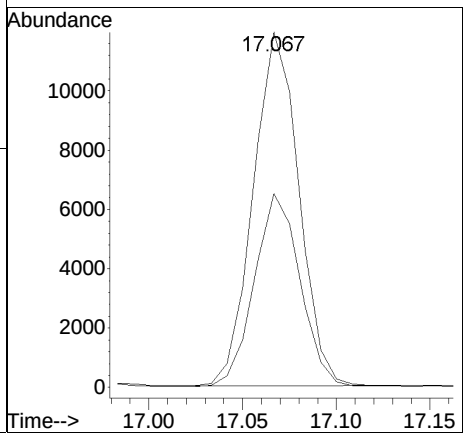


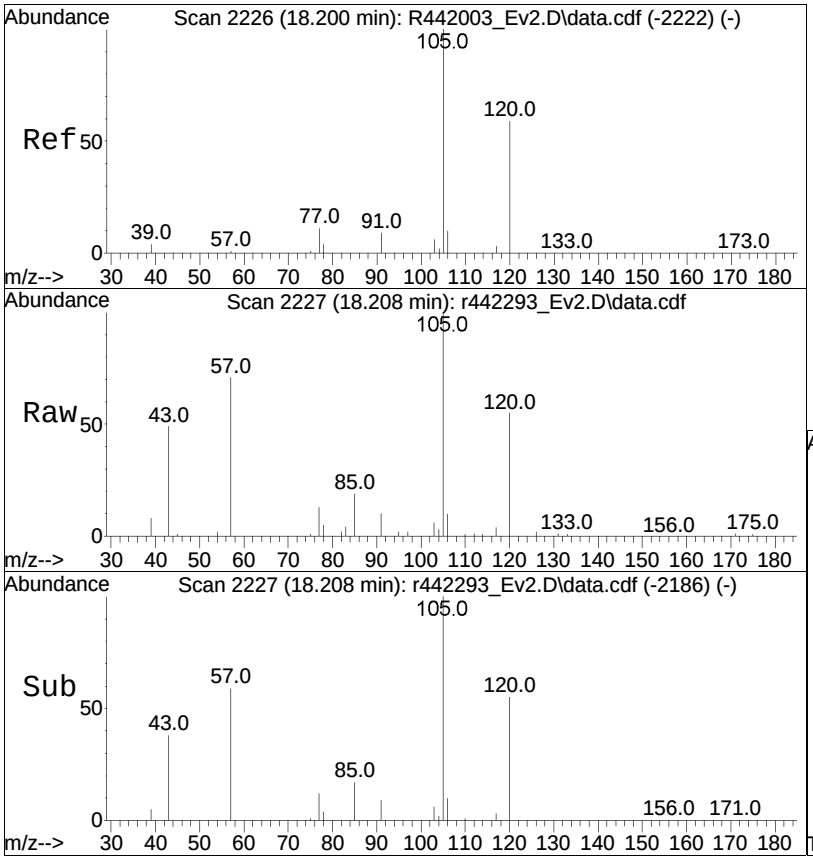


#65
o-xylene
Concen: 0.23 ppbV
RT: 17.067 min Scan# 2090
Delta R.T. 0.000 min
Lab File: r442293_Ev2.D
Acq: 3 Feb 2026 11:14 PM

Tgt Ion: 91 Resp: 20171

Ion	Ratio	Lower	Upper
91	100		
106	54.6	43.3	64.9

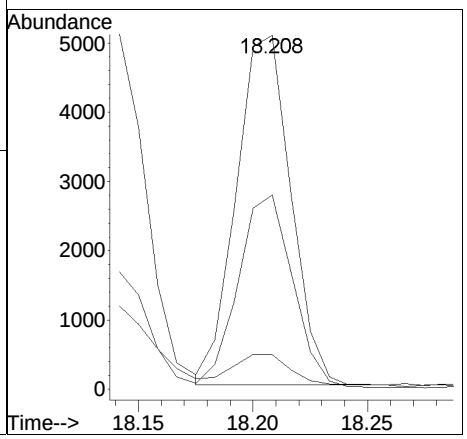


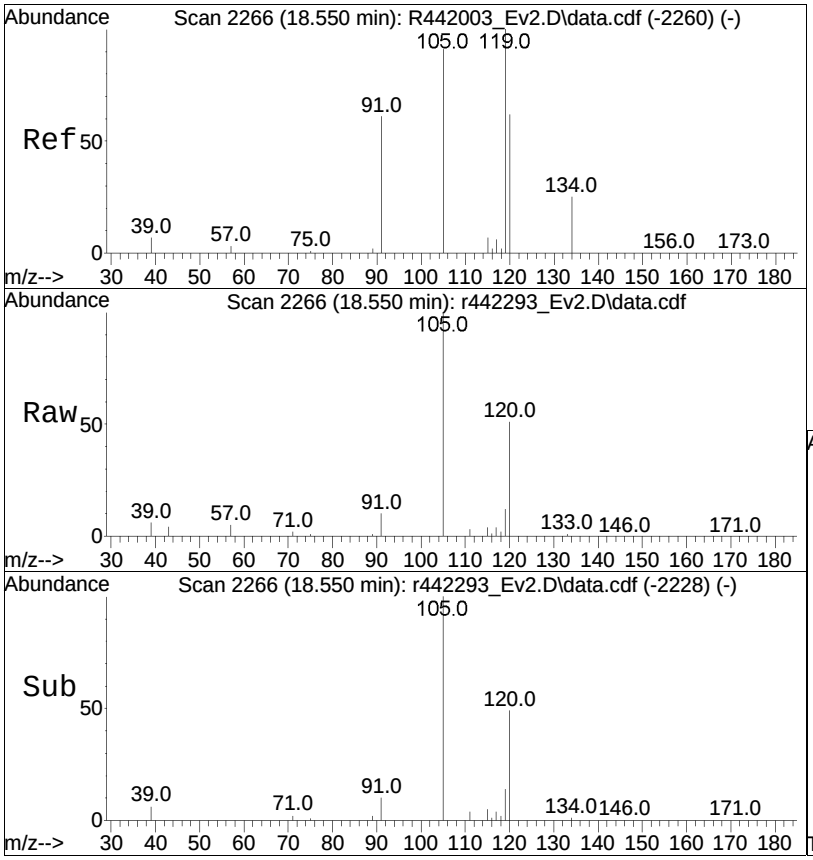


#71
1,3,5-trimethylbenzene
Concen: 0.09 ppbV
RT: 18.208 min Scan# 2227
Delta R.T. 0.008 min
Lab File: r442293_Ev2.D
Acq: 3 Feb 2026 11:14 PM

Tgt Ion:105 Resp: 8358

Ion	Ratio	Lower	Upper
105	100		
120	54.9	46.7	70.1
91	9.8	7.1	10.7

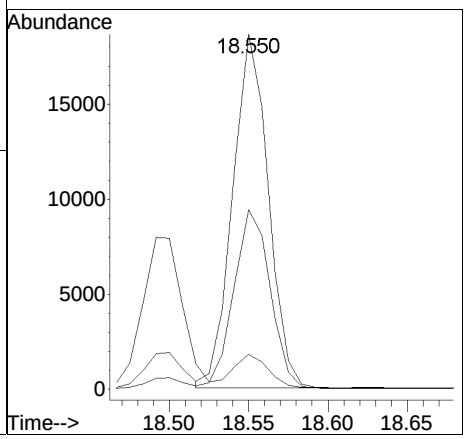


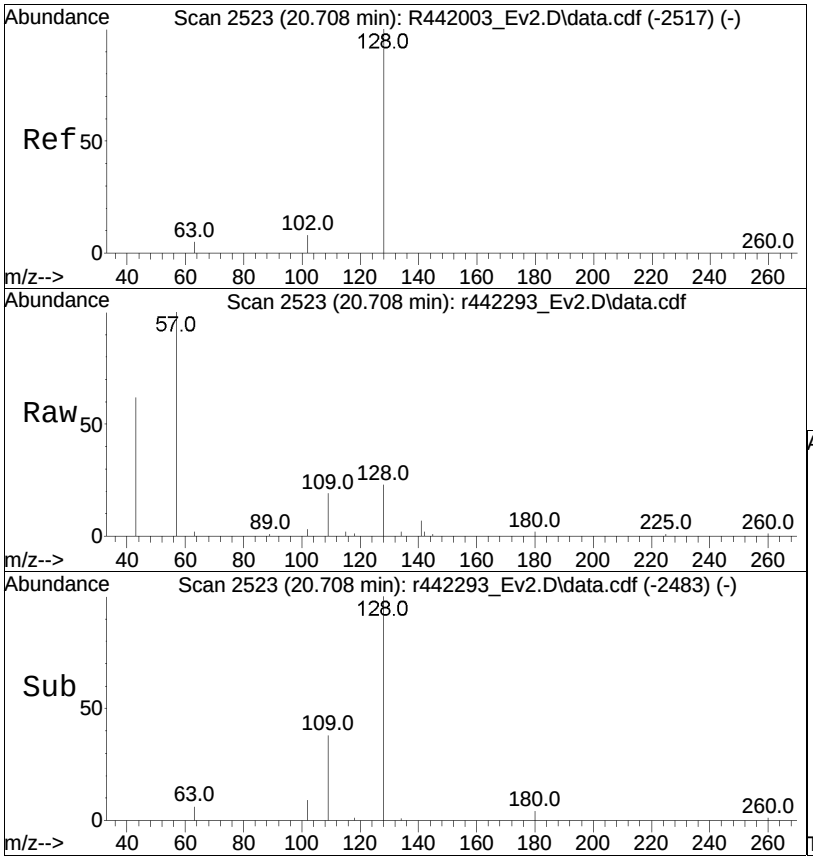


#73
1,2,4-trimethylbenzene
Concen: 0.32 ppbV
RT: 18.550 min Scan# 2266
Delta R.T. 0.000 min
Lab File: r442293_Ev2.D
Acq: 3 Feb 2026 11:14 PM

Tgt Ion:105 Resp: 29063

Ion	Ratio	Lower	Upper
105	100		
120	50.6	54.8	82.2#
91	9.9	54.0	81.0#

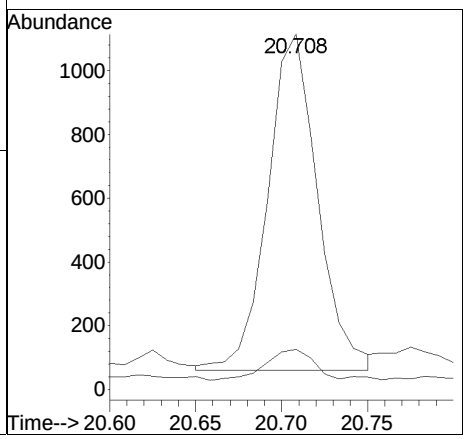




#83
naphthalene
Concen: 0.02 ppbV
RT: 20.708 min Scan# 2523
Delta R.T. 0.000 min
Lab File: r442293_Ev2.D
Acq: 3 Feb 2026 11:14 PM

Tgt Ion:128 Resp: 2129

Ion	Ratio	Lower	Upper
128	100		
102	11.3	6.2	9.4#



Manual Integration Report

Data Path	: X:\Airlab\Data\Airpiano4\2	QMethod	: TSIM4_260119.M
Data File	: r442293_Ev2.D	Operator	: AIRPIANO4:TPH
Date Inj'd	: 2/3/2026 11:14 PM	Instrument	:
Sample	: L2603846-06,3,250,250	Quant Date	: 2/4/2026 6:43 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2026\02\0203SIM\
Data File : r1653995_Ev2.D
Acq On : 4 Feb 2026 4:52 AM
Operator : AIRLAB16:TPH
Sample : L2603846-05D,3,50,250
Misc : WG2171920,ICAL22984
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 04 07:14:31 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\02\0203SIM\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 08:56:04 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\02\0203SIM\r1653977_Ev2.D
Sub List : cisDCE_ONLY - .

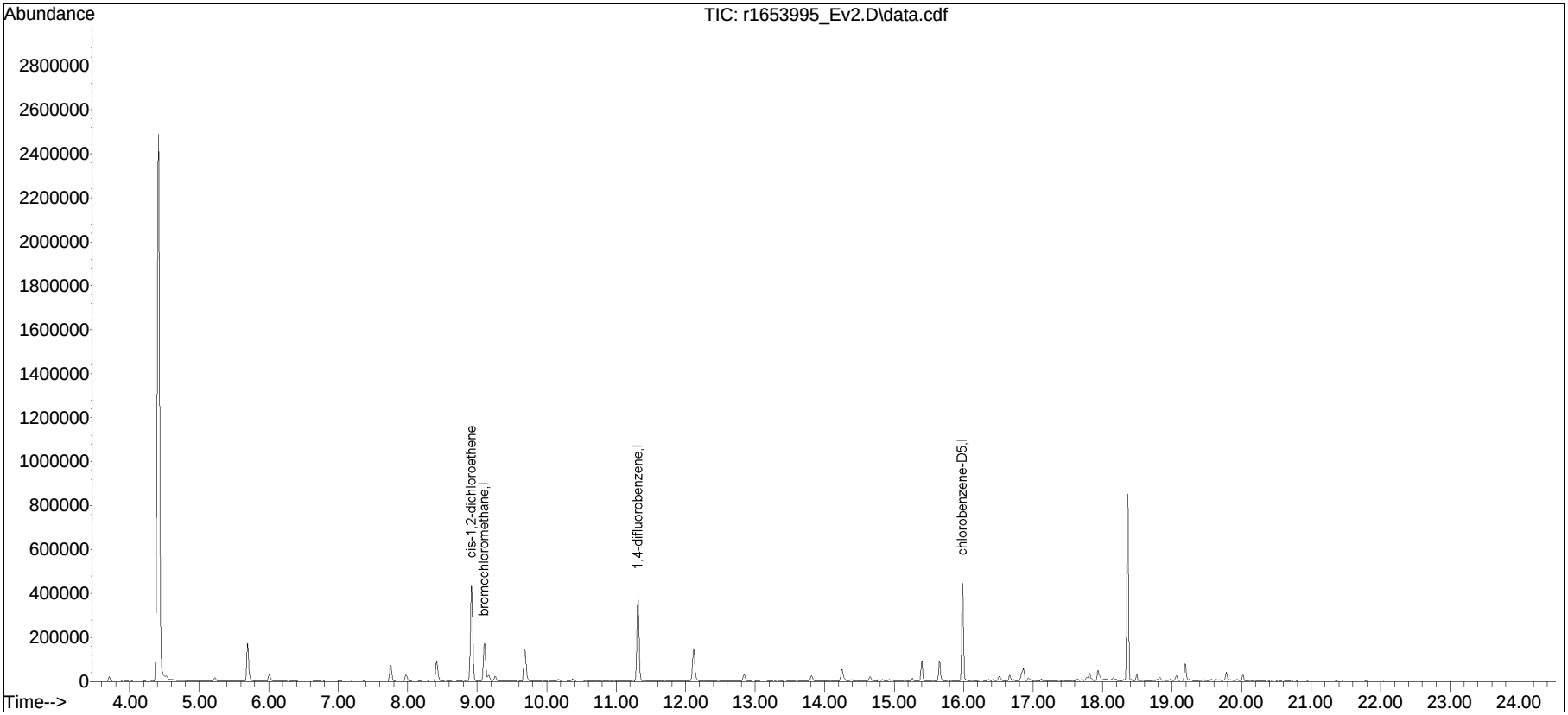
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.100	49	184507	10.000	ppbV	# 0.03
Standard Area = 206599			Recovery =		89.31%	
33) 1,4-difluorobenzene	11.313	114	505616	10.000	ppbV	# 0.03
Standard Area = 553890			Recovery =		91.28%	
51) chlorobenzene-D5	15.983	54	69475	10.000	ppbV	0.02
Standard Area = 72598			Recovery =		95.70%	
System Monitoring Compounds						
Target Compounds						Qvalue
28) cis-1,2-dichloroethene	8.917	61	344979	23.906	ppbV	96

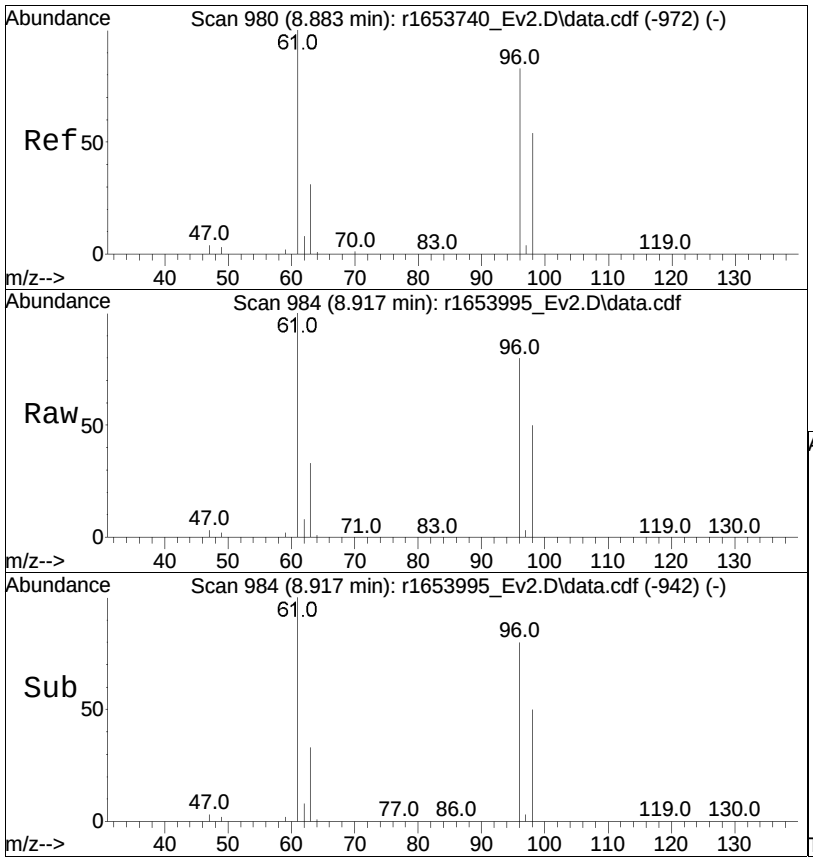
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : cisDCE_ONLY - .Airlab16\2026\02\0203SIM\r1653977_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2026\02\0203SIM\
Data File : r1653995_Ev2.D
Acq On : 4 Feb 2026 4:52 AM
Operator : AIRLAB16:TPH
Sample : L2603846-05D,3,50,250
Misc : WG2171920,ICAL22984
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 04 07:14:31 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\02\0203SIM\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 08:56:04 2026
Response via : Initial Calibration

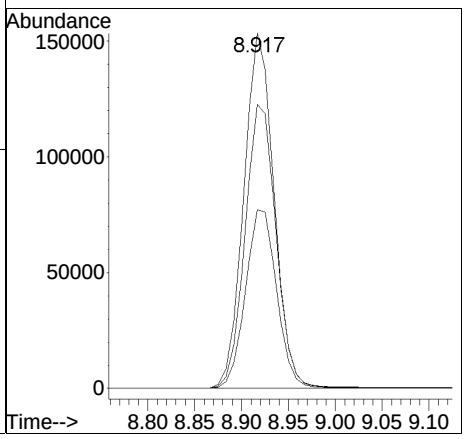




#28
cis-1,2-dichloroethene
Concen: 23.91 ppbV
RT: 8.917 min Scan# 984
Delta R.T. 0.033 min
Lab File: r1653995_Ev2.D
Acq: 4 Feb 2026 4:52 AM

Tgt Ion: 61 Resp: 344979

Ion	Ratio	Lower	Upper
61	100		
96	79.9	66.4	99.6
98	50.3	42.9	64.3



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab16\20	QMethod	: TSIM16_260120.M
Data File	: r1653995_Ev2.D	Operator	: AIRLAB16:TPH
Date Inj'd	: 2/4/2026 4:52 AM	Instrument	:
Sample	: L2603846-05D,3,50,250	Quant Date	: 2/4/2026 7:14 am

There are no manual integrations or false positives in this file.

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: NYDEC_AECOM Environment**	**Lab Number**	**: L2603846**
Project Name	**: POPULAR HAND LAUNDRY**	**Project Number**	**: CO 153512/ S V00170**
Instrument ID	**: AIRLAB23**	**Ical Ref**	**: ICAL22841**
Calibration dates	**: 11/21/25 20:44 11/22/25 02:30**		

Calibration Files

0.02=R236981.D 0.05=R236982.D 0.1 =R236983.D 0.2 =R236984.D 0.5 =R236985.D 1.0 =R236986.D

5.0 =R236987.D 10.0=R236988.D 20.0=R236989.D 50.0=R236990.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					0.424	0.447	0.358	0.349	0.367	0.348	0.382	11.15
3)		dichlorodifluoromethane				3.131	2.945	3.080	2.739	2.587	2.623	2.413	2.788	9.69
4)	C	chloromethane				0.891	0.818	0.823	0.712	0.708	0.722	0.679	0.765	10.32
5)		Freon-114		3.316	3.461	3.840	3.688	3.733	3.243	3.137	3.088	2.742	3.361	10.57
6)	C	vinyl chloride	1.048	1.026	1.032	1.163	1.107	1.108	0.956	0.943	0.937	0.870	1.019	9.03
7)	C	1,3-butadiene	0.669	0.658	0.629	0.698	0.680	0.664	0.543	0.545	0.596	0.561	0.624	9.39
8)	C	bromomethane	1.170	1.191	1.225	1.349	1.336	1.353	1.190	1.176	1.171	1.066	1.223	7.71
9)	C	chloroethane			0.607	0.663	0.630	0.626	0.553	0.556	0.554	0.514	0.588	8.63
10)		ethanol					0.401	0.399	0.367	0.359	0.386	0.368	0.380	4.74
11)	C	vinyl bromide				1.022	1.158	1.106	0.931	0.894	1.028	0.998	1.020	9.02
12)	C	acrolein		0.314	0.324	0.345	0.325	0.326	0.304	0.306	0.326	0.318	0.321	3.83
13)		acetone				1.120	1.065	1.043	0.859	0.839	0.929	0.889	0.963	11.55
14)		trichlorofluoromethane		2.929	2.946	3.234	3.184	3.146	2.837	2.759	2.831	2.675	2.949	6.71
15)		isopropyl alcohol				1.126	1.107	1.085	0.891	0.838	0.987	0.966	1.000	11.10
16)	C	acrylonitrile				0.575	0.524	0.528	0.508	0.508	0.541	0.589	0.539	5.90
17)	C	1,1-dichloroethene	1.717	1.606	1.585	1.758	1.895	1.844	1.657	1.660	1.644	1.586	1.695	6.34
18)		tertiary butyl alcohol					1.114	1.303	1.369	1.135	1.040	0.956	1.153	13.58
19)	C	methylene chloride					1.130	1.046	0.816	0.793	0.916	0.881	0.930	14.26
20)	C	3-chloropropene				0.696	0.693	0.684	0.584	0.577	0.652	0.638	0.646	7.70
21)	C	carbon disulfide				2.679	2.654	2.595	2.147	2.074	2.293	2.177	2.374	10.97
22)		Freon 113	2.573	2.333	2.363	2.629	2.573	2.500	2.238	2.165	2.217	2.123	2.371	7.85
23)		trans-1,2-dichloroethene	1.248	1.120	1.142	1.255	1.254	1.231	1.045	1.032	1.153	1.097	1.158	7.40
24)	C	1,1-dichloroethane	1.695	1.549	1.574	1.737	1.734	1.699	1.557	1.524	1.552	1.468	1.609	6.06
25)	C	MTBE	2.354	2.325	2.331	2.528	2.527	2.471	2.082	2.032	2.246	2.106	2.300	7.90
26)	C	vinyl acetate					1.615	1.466	1.059	1.149	1.427	1.484	1.367	15.74
27)	C	2-butanone				1.330	1.329	1.298	1.125	1.114	1.255	1.213	1.238	7.35
28)		cis-1,2-dichloroethene	1.342	1.195	1.189	1.312	1.334	1.307	1.209	1.189	1.220	1.157	1.246	5.62
29)		Ethyl Acetate				0.223	0.239	0.231	0.210	0.207	0.236	0.234	0.226	5.80
30)	C	chloroform	2.539	2.316	2.387	2.479	2.502	2.448	2.215	2.157	2.198	2.106	2.335	6.75
31)		Tetrahydrofuran				0.697	0.691	0.671	0.507	0.502	0.580	0.571	0.603	13.91
32)	C	1,2-dichloroethane	1.499	1.347	1.372	1.422	1.433	1.409	1.315	1.299	1.343	1.294	1.373	4.84
33)	I	1,4-difluorobenzene	----------ISTD----------											
34)	C	hexane				0.270	0.259	0.263	0.213	0.219	0.241	0.245	0.244	8.93
35)	s	1,2-dichloroethane-D4						0.278	0.268	0.279	0.274	0.277	0.275	1.58
36)	C	1,1,1-trichloroethane	0.646	0.569	0.571	0.640	0.625	0.639	0.655	0.686	0.689	0.670	0.639	6.54

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: NYDEC_AECOM Environment**	**Lab Number**	**: L2603846**
Project Name	**: POPULAR HAND LAUNDRY**	**Project Number**	**: CO 153512/ S V00170**
Instrument ID	**: AIRLAB23**	**Ical Ref**	**: ICAL22841**
Calibration dates	**: 11/21/25 20:44 11/22/25 02:30**		

Calibration Files

0.02=R236981.D 0.05=R236982.D 0.1 =R236983.D 0.2 =R236984.D 0.5 =R236985.D 1.0 =R236986.D

5.0 =R236987.D 10.0=R236988.D 20.0=R236989.D 50.0=R236990.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		0.701	0.694	0.770	0.750	0.760	0.689	0.704	0.702	0.669	0.715	4.94
38)	C	carbon tetrachloride	0.718	0.643	0.638	0.719	0.699	0.716	0.639	0.652	0.662	0.656	0.674	5.14
39)		cyclohexane				0.274	0.265	0.267	0.218	0.222	0.244	0.240	0.247	9.00
40)		Dibromomethane		0.360	0.341	0.372	0.360	0.368	0.334	0.347	0.352	0.345	0.353	3.60
41)	C	1,2-dichloropropane	0.265	0.221	0.216	0.244	0.239	0.244	0.220	0.226	0.225	0.220	0.232	6.67
42)		bromodichloromethane	0.598	0.495	0.507	0.577	0.569	0.588	0.498	0.519	0.570	0.557	0.548	7.13
43)	C	1,4-dioxane			0.142	0.170	0.166	0.170	0.146	0.146	0.165	0.162	0.158	7.41
44)	C	trichloroethene	0.459	0.404	0.411	0.456	0.443	0.452	0.411	0.421	0.425	0.420	0.430	4.77
45)	C	2,2,4-trimethylpentane				0.847	0.827	0.840	0.654	0.688	0.740	0.726	0.760	10.25
46)		heptane				0.246	0.240	0.243	0.203	0.210	0.232	0.237	0.230	7.27
47)	C	cis-1,3-dichloropropene	0.377	0.331	0.345	0.388	0.386	0.395	0.378	0.400	0.412	0.407	0.382	6.82
48)	C	4-methyl-2-pentanone					0.364	0.375	0.327	0.338	0.368	0.363	0.356	5.27
49)		trans-1,3-dichloropropene	0.290	0.251	0.265	0.301	0.301	0.311	0.300	0.321	0.335	0.333	0.301	9.02
50)	C	1,1,2-trichloroethane	0.377	0.331	0.337	0.376	0.372	0.379	0.350	0.363	0.366	0.354	0.361	4.70
51)	I	chlorobenzene-D5	----------ISTD----------											
52)	C	toluene			7.371	7.810	7.449	7.577	6.693	6.817	6.859	6.114	7.086	7.91
53)	s	toluene-D8						6.278	6.064	6.150	6.243	5.868	6.121	2.68
54)		2-hexanone				2.359	2.479	2.600	2.277	2.325	2.656	2.600	2.471	6.16
55)		dibromochloromethane	5.552	4.919	4.876	5.352	5.171	5.275	4.422	4.596	5.265	4.959	5.039	6.97
56)	C	1,2-dibromoethane	4.667	4.184	4.179	4.644	4.504	4.572	4.118	4.242	4.356	4.005	4.347	5.43
57)	C	tetrachloroethene	5.304	4.582	4.520	4.946	4.763	4.790	4.203	4.283	4.474	4.251	4.611	7.51
58)		1,1,1,2-tetrachloroethane	3.920	3.438	3.457	3.863	3.731	3.815	3.512	3.703	3.959	3.809	3.721	5.12
59)	C	chlorobenzene	6.935	6.129	6.022	6.758	6.515	6.584	5.859	5.999	6.116	5.621	6.254	6.76
60)	C	ethylbenzene	1.005	0.884	0.869	0.980	0.950	0.972	0.882	0.902	0.903	0.804	0.915	6.69
61)	C	m+p-xylene	7.603	6.670	6.619	7.454	7.267	7.368	6.539	6.671	6.687	6.120	6.900	7.04
62)	C	bromoform	4.964	4.430	4.306	4.844	4.738	4.860	4.163	4.416	5.266	5.192	4.718	7.97
63)	C	styrene	5.515	4.919	4.880	5.431	5.374	5.527	5.179	5.413	5.656	5.229	5.312	4.86
64)	C	1,1,2,2-tetrachloroethane	5.654	5.029	4.951	5.507	5.400	5.514	4.952	5.026	5.088	4.765	5.188	5.83
65)	C	o-xylene	7.887	6.845	6.756	7.519	7.283	7.430	6.584	6.729	6.837	6.405	7.028	6.75
66)		1,2,3-Trichloropropane	3.957	3.555	3.562	3.926	3.764	3.828	3.383	3.444	3.541	3.364	3.632	6.06
67)	s	bromofluorobenzene						3.657	3.645	3.681	3.807	3.801	3.718	2.14
68)	C	isopropylbenzene				1.039	0.998	1.027	0.935	0.964	0.996	0.884	0.977	5.56
69)		Bromobenzene	4.769	4.259	4.315	4.641	4.437	4.574	4.129	4.243	4.424	4.253	4.404	4.62
70)		4-ethyl toluene	9.964	8.845	8.673	9.663	9.577	9.662	8.201	8.545	9.389	8.541	9.106	6.72
71)		1,3,5-trimethylbenzene	8.356	7.543	7.558	7.920	7.741	7.966	7.324	7.460	7.838	7.082	7.679	4.74
72)		tert-butylbenzene	0.984	0.956	0.916	0.958	0.934	0.952	0.881	1.065	0.965	0.851	0.946	6.15

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: NYDEC_AECOM Environment**	**Lab Number**	**: L2603846**
Project Name	**: POPULAR HAND LAUNDRY**	**Project Number**	**: CO 153512/ S V00170**
Instrument ID	**: AIRLAB23**	**Ical Ref**	**: ICAL22841**
Calibration dates	**: 11/21/25 20:44 11/22/25 02:30**		

Calibration Files

0.02=R236981.D 0.05=R236982.D 0.1 =R236983.D 0.2 =R236984.D 0.5 =R236985.D 1.0 =R236986.D

5.0 =R236987.D 10.0=R236988.D 20.0=R236989.D 50.0=R236990.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	8.633	7.847	7.765	8.327	8.158	8.365	7.900	8.260	8.509	7.692	8.146	4.02
74) C	Benzyl Chloride			3.667	4.301	4.623	5.137	5.413	5.957	6.905	6.993	5.375	22.23
75)	1,3-dichlorobenzene	6.638	6.427	6.363	6.777	6.657	6.821	6.335	6.760	7.435	6.971	6.718	4.87
76) C	1,4-dichlorobenzene	6.671	5.982	6.049	6.585	6.491	6.735	6.300	6.481	6.822	7.002	6.512	5.01
77)	sec-butylbenzene				1.248	1.229	1.245	1.116	1.151	1.177	1.053	1.174	6.23
78)	p-isopropyltoluene				1.134	1.117	1.142	1.078	1.141	1.176	1.005	1.113	5.06
79)	1,2-dichlorobenzene	6.542	6.078	6.126	6.336	6.241	6.370	6.102	6.411	6.867	6.775	6.385	4.29
80)	n-butylbenzene				8.771	8.845	9.120	8.744	9.144	9.394	8.546	8.938	3.27
81)	1,2-dibromo-3-chloropr...	2.279	2.057	2.120	2.123	2.197	2.327	2.413	2.574	2.739	2.863	2.369	11.64
82) C	1,2,4-trichlorobenzene		4.217	4.700	3.980	4.485	4.864	5.793	6.500	6.908	7.085	5.392	22.24
83)	naphthalene		0.803	0.880	0.747	0.920	1.009	1.238	1.331	1.300	1.190	1.046	21.28
84)	1,2,3-trichlorobenzene		4.546	4.849	3.805	4.532	4.912	5.760	6.383	6.544	6.815	5.350	19.77
85) C	hexachlorobutadiene		4.566	4.734	3.905	4.317	4.486	4.834	5.315	5.631	5.811	4.844	12.96

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: NYDEC_AECOM Environment**	**Lab Number**	**: L2603846**
Project Name	**: POPULAR HAND LAUNDRY**	**Project Number**	**: CO 153512/ S V00170**
Instrument ID	**: AIRLAB16**	**Ical Ref**	**: ICAL22984**
Calibration dates	**: 01/20/26 16:33 01/20/26 22:30**		

Calibration Files

0.02=r1653734_Ev2.D 0.05=r1653735_Ev2.D 0.1 =r1653736_Ev2.D 0.2 =r1653737_Ev2.D 0.5 =r1653738_Ev2.D

1.0 =r1653739_Ev2.D 5.0 =r1653740_Ev2.D 10.0=r1653741_Ev2.D 20.0=r1653742_Ev2.D 50.0=r1653743_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				0.616	0.578	0.566	0.498	0.476	0.453	0.466	0.522	12.23
3)		dichlorodifluoromethane				1.373	1.329	1.342	1.166	1.180	1.051	1.088	1.219	10.63
4)	C	chloromethane				0.776	0.756	0.797	0.697	0.720	0.612	0.619	0.711	10.28
5)		Freon-114		1.622	1.646	1.655	1.600	1.659	1.463	1.488	1.292	1.288	1.524	9.85
6)	C	vinyl chloride	0.722	0.669	0.649	0.669	0.653	0.664	0.587	0.600	0.534	0.558	0.631	9.26
7)	C	1,3-butadiene	0.498	0.467	0.495	0.546	0.550	0.553	0.478	0.487	0.448	0.466	0.499	7.60
8)	C	bromomethane	0.637	0.527	0.546	0.541	0.516	0.521	0.453	0.467	0.421	0.442	0.507	12.54
9)	C	chloroethane			0.321	0.309	0.315	0.293	0.258	0.269	0.238	0.251	0.282	11.27
10)		ethanol					0.443	0.568	0.544	0.502	0.446	0.376	0.480	14.87
11)	C	vinyl bromide				0.602	0.605	0.565	0.454	0.477	0.493	0.473	0.524	12.29
12)	C	acrolein		0.389	0.394	0.310	0.308	0.308	0.285	0.316	0.283	0.308	0.322	12.63
13)		acetone				0.898	0.866	0.882	0.722	0.736	0.667	0.666	0.777	13.19
14)		trichlorofluoromethane		1.149	1.134	1.179	1.133	1.160	1.012	1.027	0.901	0.921	1.068	9.94
15)		isopropyl alcohol				1.036	0.950	1.044	0.840	0.934	0.907	0.951	0.952	7.48
16)	C	acrylonitrile				0.574	0.558	0.580	0.596	0.602	0.550	0.605	0.581	3.73
17)	C	1,1-dichloroethene	0.813	0.842	0.886	0.899	0.855	0.883	0.772	0.818	0.702	0.754	0.822	7.77
18)		tertiary butyl alcohol					0.725	0.811	0.840	0.949	0.930	1.014	0.878	12.01
19)	C	methylene chloride					0.935	0.937	0.810	0.828	0.735	0.756	0.833	10.35
20)	C	3-chloropropene				0.844	0.805	0.859	0.734	0.761	0.703	0.726	0.776	7.82
21)	C	carbon disulfide				2.280	2.042	2.077	1.725	1.772	1.641	1.659	1.885	13.11
22)		Freon 113		1.346	1.314	1.365	1.311	1.333	1.157	1.175	1.033	1.049	1.232	10.58
23)		trans-1,2-dichloroethene	0.750	0.761	0.805	0.837	0.800	0.821	0.703	0.727	0.680	0.711	0.760	7.13
24)	C	1,1-dichloroethane	1.096	1.064	1.091	1.108	1.059	1.086	0.958	0.980	0.870	0.904	1.021	8.50
25)	C	MTBE	1.578	1.596	1.579	1.684	1.619	1.660	1.412	1.442	1.332	1.383	1.528	8.16
26)	C	vinyl acetate					0.938	1.020	1.050	1.237	1.248	1.423	1.153	15.69
27)	C	2-butanone				1.328	1.296	1.364	1.205	1.243	1.140	1.202	1.254	6.32
28)		cis-1,2-dichloroethene	0.835	0.770	0.837	0.838	0.812	0.836	0.738	0.761	0.679	0.715	0.782	7.44
29)		Ethyl Acetate					0.150	0.167	0.165	0.179	0.173	0.192	0.171	8.27
30)	C	chloroform	1.406	1.302	1.306	1.236	1.209	1.234	1.082	1.109	0.989	1.038	1.191	11.15
31)		Tetrahydrofuran					0.768	0.736	0.637	0.653	0.602	0.638	0.672	9.60
32)	C	1,2-dichloroethane	0.567	0.677	0.618	0.635	0.624	0.634	0.568	0.581	0.515	0.538	0.596	8.40
33)	I	1,4-difluorobenzene	----------ISTD----------											
34)	C	hexane				0.513	0.504	0.513	0.352	0.364	0.337	0.360	0.420	20.04
35)	s	1,2-dichloroethane-D4				0.181	0.184	0.187	0.186	0.187	0.179	0.180	0.183	1.74
36)	C	1,1,1-trichloroethane	0.297	0.314	0.327	0.324	0.319	0.329	0.294	0.309	0.277	0.295	0.309	5.61

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: NYDEC_AECOM Environment**	**Lab Number**	**: L2603846**
Project Name	**: POPULAR HAND LAUNDRY**	**Project Number**	**: CO 153512/ S V00170**
Instrument ID	**: AIRLAB16**	**Ical Ref**	**: ICAL22984**
Calibration dates	**: 01/20/26 16:33 01/20/26 22:30**		

Calibration Files

0.02=r1653734_Ev2.D 0.05=r1653735_Ev2.D 0.1 =r1653736_Ev2.D 0.2 =r1653737_Ev2.D 0.5 =r1653738_Ev2.D

1.0 =r1653739_Ev2.D 5.0 =r1653740_Ev2.D 10.0=r1653741_Ev2.D 20.0=r1653742_Ev2.D 50.0=r1653743_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			0.999	0.981	0.937	0.965	0.853	0.876	0.783	0.817	0.901	8.93
38)	C	carbon tetrachloride	0.291	0.265	0.266	0.280	0.286	0.292	0.274	0.306	0.290	0.321	0.287	6.07
39)		cyclohexane				0.458	0.439	0.453	0.381	0.393	0.367	0.392	0.412	9.06
40)		Dibromomethane		0.244	0.266	0.250	0.247	0.257	0.237	0.243	0.213	0.227	0.243	6.47
41)	C	1,2-dichloropropane	0.222	0.286	0.281	0.284	0.281	0.287	0.258	0.264	0.236	0.252	0.265	8.58
42)		bromodichloromethane	0.402	0.380	0.393	0.391	0.392	0.400	0.359	0.382	0.364	0.400	0.386	3.86
43)	C	1,4-dioxane			0.151	0.172	0.171	0.176	0.153	0.160	0.151	0.163	0.162	6.20
44)	C	trichloroethene	0.378	0.411	0.374	0.395	0.391	0.404	0.343	0.351	0.310	0.328	0.368	9.16
45)	C	2,2,4-trimethylpentane				1.354	1.337	1.361	1.163	1.169	1.082	1.144	1.230	9.48
46)		heptane				0.553	0.536	0.557	0.476	0.490	0.446	0.456	0.502	9.21
47)	C	cis-1,3-dichloropropene	0.351	0.318	0.355	0.361	0.379	0.392	0.371	0.390	0.363	0.387	0.367	6.14
48)	C	4-methyl-2-pentanone					0.567	0.621	0.570	0.591	0.540	0.562	0.575	4.84
49)		trans-1,3-dichloropropene	0.046	0.138	0.201	0.248	0.250	0.267	0.254	0.272	0.262	0.283	0.222	33.87
50)	C	1,1,2-trichloroethane	0.310	0.267	0.308	0.300	0.304	0.314	0.284	0.291	0.260	0.273	0.291	6.62
51)	I	chlorobenzene-D5	----------ISTD----------											
52)	C	toluene			7.400	7.499	7.122	7.343	6.433	6.538	5.755	5.861	6.744	10.33
53)	s	toluene-D8				5.756	5.798	5.952	5.906	5.893	5.607	5.487	5.771	2.95
54)		2-hexanone				2.863	3.692	4.131	4.032	4.095	3.759	3.769	3.763	11.55
55)		dibromochloromethane	2.205	2.239	2.234	2.415	2.454	2.585	2.486	2.772	2.675	2.883	2.495	9.39
56)	C	1,2-dibromoethane	3.066	3.323	3.661	3.677	3.685	3.807	3.454	3.524	3.156	3.222	3.458	7.38
57)	C	tetrachloroethene	2.864	3.008	3.001	2.934	2.849	2.957	2.597	2.661	2.335	2.410	2.762	8.92
58)		1,1,1,2-tetrachloroethane	1.960	2.064	1.976	1.993	2.086	2.169	2.229	2.441	2.142	2.249	2.131	6.99
59)	C	chlorobenzene		7.038	6.840	6.707	6.454	6.697	5.975	6.132	5.396	5.412	6.295	9.60
60)	C	ethylbenzene	8.141	9.090	8.984	8.807	8.679	8.898	8.144	8.359	7.263	7.334	8.370	7.83
61)	C	m+p-xylene	6.404	7.236	6.955	6.857	6.843	7.051	6.454	6.599	5.735	5.828	6.596	7.60
62)	C	bromoform	1.301	1.254	1.357	1.295	1.415	1.573	1.694	2.003	1.999	2.239	1.613	22.01
63)	C	styrene	4.257	5.888	5.506	5.969	6.087	6.391	5.958	6.145	5.442	5.531	5.717	10.45
64)	C	1,1,2,2-tetrachloroethane	4.599	5.385	5.299	4.691	4.743	4.929	4.704	4.881	4.483	4.776	4.849	5.98
65)	C	o-xylene	7.146	6.912	7.420	6.974	6.929	7.169	6.562	6.666	5.746	5.850	6.737	8.20
66)		1,2,3-Trichloropropane	3.542	4.286	4.194	4.029	4.033	4.161	4.068	4.179	3.597	3.787	3.988	6.47
67)	s	bromofluorobenzene				3.687	3.779	3.821	3.942	3.907	3.732	3.655	3.789	2.85
68)	C	isopropylbenzene				1.051	1.046	1.086	1.041	1.058	0.891	0.892	1.009	8.11
69)		Bromobenzene	4.507	5.338	5.305	5.303	5.350	5.448	5.281	5.458	4.692	4.950	5.163	6.41
70)		4-ethyl toluene	0.988	1.045	1.043	0.926	0.966	1.011	0.949	0.965	0.861	0.877	0.963	6.52
71)		1,3,5-trimethylbenzene	8.447	8.583	8.375	8.163	8.326	8.722	8.309	8.407	7.329	7.427	8.209	5.65
72)		tert-butylbenzene				7.643	8.191	8.542	8.533	8.713	7.425	7.658	8.101	6.43

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: NYDEC_AECOM Environment**	**Lab Number**	**: L2603846**
Project Name	**: POPULAR HAND LAUNDRY**	**Project Number**	**: CO 153512/ S V00170**
Instrument ID	**: AIRLAB16**	**Ical Ref**	**: ICAL22984**
Calibration dates	**: 01/20/26 16:33 01/20/26 22:30**		

Calibration Files

0.02=r1653734_Ev2.D 0.05=r1653735_Ev2.D 0.1 =r1653736_Ev2.D 0.2 =r1653737_Ev2.D 0.5 =r1653738_Ev2.D

1.0 =r1653739_Ev2.D 5.0 =r1653740_Ev2.D 10.0=r1653741_Ev2.D 20.0=r1653742_Ev2.D 50.0=r1653743_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	9.277	9.016	8.945	7.723	8.260	8.654	8.481	8.696	7.527	7.371	8.395	7.84
74)	C	Benzyl Chloride			2.784	2.267	2.964	3.246	4.159	4.918	4.951	5.492	3.848	30.96
75)		1,3-dichlorobenzene	5.234	5.764	6.241	4.971	5.473	5.801	5.767	6.062	5.316	5.649	5.628	6.86
76)	C	1,4-dichlorobenzene	5.350	6.161	6.384	5.155	5.599	5.740	5.824	5.904	5.246	5.498	5.686	6.97
77)		sec-butylbenzene				1.107	1.222	1.290	1.310	1.336	1.121	1.128	1.216	8.06
78)		p-isopropyltoluene				0.857	0.962	1.025	1.075	1.097	0.921	0.948	0.984	8.77
79)		1,2-dichlorobenzene	5.338	5.791	6.383	4.545	5.036	5.302	5.410	5.555	4.905	5.265	5.353	9.37
80)		n-butylbenzene				6.478	7.706	8.467	9.142	9.233	7.521	7.853	8.057	12.07
81)		1,2-dibromo-3-chloropr...	1.338	1.532	1.717	0.982	1.332	1.451	2.078	2.288	2.023	2.277	1.702	26.27
82)	C	1,2,4-trichlorobenzene		3.449	3.859	1.659	2.177	2.593	3.618	3.782	3.103	3.636	3.097	25.28
83)		naphthalene		1.163	1.321	0.625	0.790	0.954	1.341	1.377	1.029	1.169	1.085	23.92
84)		1,2,3-trichlorobenzene		3.619	3.900	1.491	1.873	2.268	3.821	3.983	2.927	3.580	3.051	31.17
85)	C	hexachlorobutadiene		2.927	3.054	1.227	1.448	1.756	2.727	2.827	2.179	2.587	2.304	29.49

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: NYDEC_AECOM Environment**	**Lab Number**	**: L2603846**
Project Name	**: POPULAR HAND LAUNDRY**	**Project Number**	**: CO 153512/ S V00170**
Instrument ID	**: AIRPIANO4**	**Ical Ref**	**: ICAL22994**
Calibration dates	**: 01/19/26 22:36 01/20/26 04:27**		

Calibration Files

0.02=R441997_Ev2.D 0.05=R441998_Ev2.D 0.1 =R441999_Ev2.D 0.2 =R442000_Ev2.D 0.5 =R442001_Ev2.D

1.0 =R442002_Ev2.D 5.0 =R442003_Ev2.D 10.0=R442004_Ev2.D 20.0=R442005_Ev2.D 50.0=R442006_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					0.722	0.638	0.617	0.464	0.471	0.528	0.507	0.564	17.19
3)		dichlorodifluoromethane					1.116	1.208	1.216	1.085	1.046	1.016	0.923	1.087	9.62
4)	C	chloromethane					0.474	0.539	0.565	0.499	0.480	0.483	0.449	0.498	8.05
5)		Freon-114			1.174	1.130	1.073	1.176	1.209	1.065	1.022	1.006	0.901	1.084	9.12
6)	C	vinyl chloride		0.707	0.575	0.563	0.540	0.579	0.583	0.522	0.525	0.541	0.537	0.567	9.48
7)	C	1,3-butadiene		0.519	0.452	0.424	0.424	0.446	0.451	0.386	0.387	0.431	0.408	0.433	8.89
8)	C	bromomethane		0.509	0.451	0.420	0.414	0.431	0.430	0.381	0.382	0.393	0.373	0.418	9.76
9)	C	chloroethane				0.299	0.276	0.286	0.287	0.256	0.261	0.275	0.278	0.277	5.02
10)		ethanol						0.738	0.608	0.403	0.391	0.339	0.369	0.475	33.80
11)	C	vinyl bromide					0.550	0.562	0.570	0.474	0.481	0.534	0.503	0.525	7.42
12)	C	acrolein			0.469	0.463	0.383	0.410	0.426	0.394	0.406	0.436	0.442	0.425	7.05
13)		acetone					0.802	0.828	0.845	0.669	0.657	0.687	0.595	0.726	13.40
14)		trichlorofluoromethane			0.911	0.885	0.887	0.941	0.956	0.850	0.845	0.838	0.743	0.873	7.32
15)		isopropyl alcohol					0.915	1.010	1.033	0.943	0.974	1.090	0.989	0.993	5.87
16)	C	acrylonitrile					0.701	0.738	0.761	0.696	0.716	0.760	0.756	0.733	3.86
17)	C	1,1-dichloroethene	0.895	0.870	0.848	0.855	0.906	0.926	0.843	0.852	0.875	0.833	0.870	3.46	
18)		tertiary butyl alcohol					1.169	1.239	1.287	1.317	1.459	1.436	1.318	8.54	
19)	C	methylene chloride					0.912	0.906	0.791	0.794	0.812	0.754	0.828	7.89	
20)	C	3-chloropropene				0.822	0.876	0.910	0.769	0.789	0.886	0.845	0.842	6.18	
21)	C	carbon disulfide				1.966	2.077	2.113	1.739	1.734	1.882	1.664	1.882	9.41	
22)		Freon 113	1.238	1.201	1.148	1.154	1.222	1.239	1.099	1.102	1.118	1.027	1.155	6.07	
23)		trans-1,2-dichloroethene	0.957	0.915	0.867	0.877	0.920	0.938	0.779	0.794	0.901	0.867	0.881	6.60	
24)	C	1,1-dichloroethane	1.221	1.188	1.155	1.136	1.208	1.218	1.104	1.118	1.156	1.122	1.163	3.74	
25)	C	MTBE	1.597	1.544	1.540	1.499	1.622	1.653	1.406	1.430	1.581	1.440	1.531	5.57	
26)	C	vinyl acetate					1.284	1.352	1.140	1.235	1.485	1.464	1.327	10.11	
27)	C	2-butanone				1.410	1.468	1.501	1.257	1.277	1.438	1.353	1.386	6.77	
28)		cis-1,2-dichloroethene	0.974	0.899	0.874	0.871	0.904	0.919	0.843	0.857	0.890	0.858	0.889	4.28	
29)		Ethyl Acetate				0.240	0.239	0.256	0.213	0.224	0.256	0.249	0.240	6.71	
30)	C	chloroform	1.431	1.351	1.356	1.243	1.327	1.343	1.206	1.200	1.188	1.054	1.270	8.77	
31)		Tetrahydrofuran				0.673	0.755	0.768	0.636	0.651	0.736	0.703	0.703	7.36	
32)	C	1,2-dichloroethane	0.763	0.641	0.589	0.573	0.594	0.608	0.545	0.547	0.549	0.490	0.590	12.48	
33)	I	1,4-difluorobenzene	----------ISTD----------											
34)	C	hexane				0.453	0.482	0.487	0.405	0.406	0.451	0.416	0.443	7.82	
35)	s	1,2-dichloroethane-D4						0.160	0.157	0.156	0.155	0.147	0.155	3.26	
36)	C	1,1,1-trichloroethane	0.311	0.282	0.339	0.332	0.338	0.349	0.317	0.311	0.322	0.287	0.319	6.90	

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: NYDEC_AECOM Environment**	**Lab Number**	**: L2603846**
Project Name	**: POPULAR HAND LAUNDRY**	**Project Number**	**: CO 153512/ S V00170**
Instrument ID	**: AIRPIANO4**	**Ical Ref**	**: ICAL22994**
Calibration dates	**: 01/19/26 22:36 01/20/26 04:27**		

Calibration Files

0.02=R441997_Ev2.D 0.05=R441998_Ev2.D 0.1 =R441999_Ev2.D 0.2 =R442000_Ev2.D 0.5 =R442001_Ev2.D

1.0 =R442002_Ev2.D 5.0 =R442003_Ev2.D 10.0=R442004_Ev2.D 20.0=R442005_Ev2.D 50.0=R442006_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		1.002	0.938	0.909	0.949	0.959	0.873	0.873	0.889	0.827	0.913	5.89
38)	C	carbon tetrachloride	0.203	0.238	0.236	0.226	0.253	0.263	0.251	0.255	0.259	0.225	0.241	7.89
39)		cyclohexane				0.473	0.508	0.523	0.446	0.448	0.510	0.494	0.486	6.36
40)		Dibromomethane		0.295	0.256	0.246	0.258	0.256	0.230	0.231	0.239	0.222	0.248	8.87
41)	C	1,2-dichloropropane	0.328	0.301	0.289	0.294	0.301	0.304	0.281	0.283	0.292	0.281	0.295	4.82
42)		bromodichloromethane	0.430	0.395	0.380	0.382	0.406	0.420	0.362	0.369	0.409	0.367	0.392	5.98
43)	C	1,4-dioxane			0.191	0.197	0.202	0.189	0.179	0.182	0.210	0.198	0.194	5.39
44)	C	trichloroethene	0.403	0.358	0.337	0.341	0.358	0.367	0.336	0.341	0.349	0.326	0.352	6.23
45)	C	2,2,4-trimethylpentane		1.443	1.419	1.412	1.513	1.539	1.311	1.306	1.451	1.337	1.414	5.91
46)		heptane				0.460	0.492	0.504	0.433	0.435	0.474	0.429	0.461	6.53
47)	C	cis-1,3-dichloropropene	0.400	0.356	0.363	0.364	0.385	0.400	0.376	0.388	0.409	0.371	0.381	4.76
48)	C	4-methyl-2-pentanone					0.551	0.572	0.511	0.514	0.565	0.505	0.536	5.57
49)		trans-1,3-dichloropropene	0.232	0.225	0.232	0.237	0.250	0.269	0.260	0.271	0.284	0.259	0.252	7.90
50)	C	1,1,2-trichloroethane	0.293	0.309	0.301	0.295	0.315	0.322	0.296	0.298	0.309	0.293	0.303	3.34
51)	I	chlorobenzene-D5	----------ISTD----------											
52)	C	toluene			7.713	7.551	7.840	8.044	7.306	7.381	7.506	7.022	7.545	4.26
53)	s	toluene-D8						5.938	5.823	6.018	6.149	6.520	6.090	4.40
54)		2-hexanone				3.079	3.456	3.741	3.444	3.511	3.875	3.359	3.495	7.40
55)		dibromochloromethane	2.496	2.295	2.240	2.181	2.366	2.536	2.314	2.424	2.734	2.532	2.412	6.90
56)	C	1,2-dibromoethane	3.095	2.886	3.013	3.039	3.189	3.403	3.144	3.187	3.262	2.975	3.119	4.84
57)	C	tetrachloroethene	3.854	3.764	3.709	3.596	3.813	3.891	3.506	3.479	3.484	3.053	3.615	6.95
58)		1,1,1,2-tetrachloroethane	2.398	2.080	2.086	1.934	2.123	2.237	2.186	2.247	2.288	2.038	2.162	6.29
59)	C	chlorobenzene	6.554	6.292	6.243	6.132	6.459	6.669	6.110	5.998	5.926	5.138	6.152	6.97
60)	C	ethylbenzene	9.769	9.089	8.833	8.647	9.231	9.732	9.211	9.185	9.293	8.365	9.136	4.79
61)	C	m+p-xylene	7.638	7.303	7.251	6.986	7.565	7.970	7.524	7.293	7.181	6.178	7.289	6.56
62)	C	bromoform	2.167	1.982	1.990	1.893	2.138	2.423	2.429	2.583	2.945	2.663	2.321	14.80
63)	C	styrene	5.990	5.431	5.530	4.994	5.369	5.814	5.890	5.898	6.059	5.476	5.645	6.00
64)	C	1,1,2,2-tetrachloroethane	6.266	5.851	5.947	5.577	6.040	6.382	5.979	5.692	5.498	4.597	5.783	8.68
65)	C	o-xylene	7.909	7.564	7.356	7.062	7.679	8.059	7.529	7.273	6.888	5.787	7.311	8.81
66)		1,2,3-Trichloropropane	4.365	4.003	4.210	3.906	4.172	4.427	4.166	4.033	4.076	3.526	4.088	6.21
67)	s	bromofluorobenzene						3.900	4.081	4.130	4.126	4.430	4.134	4.61
68)	C	isopropylbenzene				0.945	1.022	1.062	0.998	0.970	0.945	0.804	0.964	8.50
69)		Bromobenzene	5.426	5.406	5.450	5.410	5.780	6.256	5.893	5.698	5.614	4.736	5.567	7.14
70)		4-ethyl toluene	8.215	8.359	8.525	8.131	8.884	9.666	8.890	8.658	9.126	7.817	8.627	6.25
71)		1,3,5-trimethylbenzene	7.669	7.831	7.992	7.502	8.363	8.701	8.613	8.345	7.886	6.580	7.948	7.85
72)		tert-butylbenzene				0.903	0.999	1.042	0.963	0.904	0.819	0.637	0.895	15.10

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: NYDEC_AECOM Environment**	**Lab Number**	**: L2603846**
Project Name	**: POPULAR HAND LAUNDRY**	**Project Number**	**: CO 153512/ S V00170**
Instrument ID	**: AIRPIANO4**	**Ical Ref**	**: ICAL22994**
Calibration dates	**: 01/19/26 22:36 01/20/26 04:27**		

Calibration Files

0.02=R441997_Ev2.D 0.05=R441998_Ev2.D 0.1 =R441999_Ev2.D 0.2 =R442000_Ev2.D 0.5 =R442001_Ev2.D

1.0 =R442002_Ev2.D 5.0 =R442003_Ev2.D 10.0=R442004_Ev2.D 20.0=R442005_Ev2.D 50.0=R442006_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	7.389	7.868	8.134	7.436	8.187	8.813	8.514	8.032	7.274	5.872	7.752	10.64
74)	C	Benzyl Chloride			2.790	2.644	3.125	4.016	4.820	5.195	5.883	5.523	4.249	30.21
75)		1,3-dichlorobenzene	4.436	4.492	4.812	4.454	4.847	5.656	5.561	5.323	5.183	4.653	4.942	9.30
76)	C	1,4-dichlorobenzene	4.019	4.216	4.382	4.226	4.429	5.354	5.326	5.142	5.221	4.495	4.681	11.08
77)		sec-butylbenzene				1.175	1.293	1.361	1.280	1.237	1.154	0.953	1.208	10.99
78)		p-isopropyltoluene				1.008	1.152	1.228	1.172	1.096	0.974	0.756	1.055	15.13
79)		1,2-dichlorobenzene	4.547	4.544	4.697	4.187	4.587	5.263	5.275	5.138	5.059	4.534	4.783	7.80
80)		n-butylbenzene				6.594	7.757	8.715	9.044	9.154	8.787	7.686	8.248	11.35
81)		1,2-dibromo-3-chloropr...	1.150	1.315	1.467	1.062	1.408	1.762	1.984	2.039	1.938	1.588	1.571	22.26
82)	C	1,2,4-trichlorobenzene		2.307	2.557	1.953	2.218	2.905	3.663	4.030	4.091	3.971	3.077	28.08
83)		naphthalene		5.179	6.189	4.388	5.327	6.970	9.019	9.847	9.651	9.252	7.314	29.40
84)		1,2,3-trichlorobenzene		2.775	3.244	2.125	2.612	3.286	4.026	4.313	4.149	3.996	3.392	22.87
85)	C	hexachlorobutadiene		4.608	4.712	3.381	4.063	4.425	4.444	4.241	3.660	3.064	4.066	14.16

Response Factor Report Airlab 23

Method Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Method File : TSIM23_251121.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Sun Nov 23 16:05:00 2025
Response Via : Initial Calibration

Calibration Files
0.02=R236981.D 0.05=R236982.D 0.1 =R236983.D 0.2 =R236984.D 0.5 =R236985.D 1.0 =R236986.D
5.0 =R236987.D 10.0=R236988.D 20.0=R236989.D 50.0=R236990.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						0.424	0.447	0.358	0.349	0.367	0.348	0.382	11.15
3)		dichlorodifluo...					3.131	2.945	3.080	2.739	2.587	2.623	2.413	2.788	9.69
4)	C	chloromethane					0.891	0.818	0.823	0.712	0.708	0.722	0.679	0.765	10.32
5)		Freon-114			3.316	3.461	3.840	3.688	3.733	3.243	3.137	3.088	2.742	3.361	10.57
6)	C	vinyl chloride		1.048	1.026	1.032	1.163	1.107	1.108	0.956	0.943	0.937	0.870	1.019	9.03
7)	C	1,3-butadiene		0.669	0.658	0.629	0.698	0.680	0.664	0.543	0.545	0.596	0.561	0.624	9.39
8)	C	bromomethane		1.170	1.191	1.225	1.349	1.336	1.353	1.190	1.176	1.171	1.066	1.223	7.71
9)	C	chloroethane				0.607	0.663	0.630	0.626	0.553	0.556	0.554	0.514	0.588	8.63
10)		ethanol						0.401	0.399	0.367	0.359	0.386	0.368	0.380	4.74
11)	C	vinyl bromide					1.022	1.158	1.106	0.931	0.894	1.028	0.998	1.020	9.02
12)	C	acrolein			0.314	0.324	0.345	0.325	0.326	0.304	0.306	0.326	0.318	0.321	3.83
13)		acetone					1.120	1.065	1.043	0.859	0.839	0.929	0.889	0.963	11.55
14)		trichlorofluor...			2.929	2.946	3.234	3.184	3.146	2.837	2.759	2.831	2.675	2.949	6.71
15)		isopropyl alcohol					1.126	1.107	1.085	0.891	0.838	0.987	0.966	1.000	11.10
16)	C	acrylonitrile					0.575	0.524	0.528	0.508	0.508	0.541	0.589	0.539	5.90

Method Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Method File : TSIM23_251121.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Sun Nov 23 16:05:00 2025
Response Via : Initial Calibration

Calibration Files
0.02=R236981.D 0.05=R236982.D 0.1 =R236983.D 0.2 =R236984.D 0.5 =R236985.D 1.0 =R236986.D
5.0 =R236987.D 10.0=R236988.D 20.0=R236989.D 50.0=R236990.D

		Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
17)	C	1,1-dichloroet...	1.717	1.606	1.585	1.758	1.895	1.844	1.657	1.660	1.644	1.586	1.695	6.34
18)		tertiary butyl...					1.114	1.303	1.369	1.135	1.040	0.956	1.153	13.58
19)	C	methylene chlo...					1.130	1.046	0.816	0.793	0.916	0.881	0.930	14.26
20)	C	3-chloropropene				0.696	0.693	0.684	0.584	0.577	0.652	0.638	0.646	7.70
21)	C	carbon disulfide				2.679	2.654	2.595	2.147	2.074	2.293	2.177	2.374	10.97
22)		Freon 113	2.573	2.333	2.363	2.629	2.573	2.500	2.238	2.165	2.217	2.123	2.371	7.85
23)		trans-1,2-dich...	1.248	1.120	1.142	1.255	1.254	1.231	1.045	1.032	1.153	1.097	1.158	7.40
24)	C	1,1-dichloroet...	1.695	1.549	1.574	1.737	1.734	1.699	1.557	1.524	1.552	1.468	1.609	6.06
25)	C	MTBE	2.354	2.325	2.331	2.528	2.527	2.471	2.082	2.032	2.246	2.106	2.300	7.90
26)	C	vinyl acetate					1.615	1.466	1.059	1.149	1.427	1.484	1.367	15.74
27)	C	2-butanone				1.330	1.329	1.298	1.125	1.114	1.255	1.213	1.238	7.35
28)		cis-1,2-dichlo...	1.342	1.195	1.189	1.312	1.334	1.307	1.209	1.189	1.220	1.157	1.246	5.62
29)		Ethyl Acetate				0.223	0.239	0.231	0.210	0.207	0.236	0.234	0.226	5.80
30)	C	chloroform	2.539	2.316	2.387	2.479	2.502	2.448	2.215	2.157	2.198	2.106	2.335	6.75
31)		Tetrahydrofuran				0.697	0.691	0.671	0.507	0.502	0.580	0.571	0.603	13.91
32)	C	1,2-dichloroet...	1.499	1.347	1.372	1.422	1.433	1.409	1.315	1.299	1.343	1.294	1.373	4.84

Response Factor Report Airlab 23

Method Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Method File : TSIM23_251121.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Sun Nov 23 16:05:00 2025
Response Via : Initial Calibration

Calibration Files
0.02=R236981.D 0.05=R236982.D 0.1 =R236983.D 0.2 =R236984.D 0.5 =R236985.D 1.0 =R236986.D
5.0 =R236987.D 10.0=R236988.D 20.0=R236989.D 50.0=R236990.D

		Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
33)	I	1,4-difluorobenzene	----------ISTD----------											
34)	C	hexane				0.270	0.259	0.263	0.213	0.219	0.241	0.245	0.244	8.93
35)	s	1,2-dichloroet...						0.278	0.268	0.279	0.274	0.277	0.275	1.58
36)	C	1,1,1-trichlor...	0.646	0.569	0.571	0.640	0.625	0.639	0.655	0.686	0.689	0.670	0.639	6.54
37)	C	benzene		0.701	0.694	0.770	0.750	0.760	0.689	0.704	0.702	0.669	0.715	4.94
38)	C	carbon tetrach...	0.718	0.643	0.638	0.719	0.699	0.716	0.639	0.652	0.662	0.656	0.674	5.14
39)		cyclohexane				0.274	0.265	0.267	0.218	0.222	0.244	0.240	0.247	9.00
40)		Dibromomethane		0.360	0.341	0.372	0.360	0.368	0.334	0.347	0.352	0.345	0.353	3.60
41)	C	1,2-dichloropr...	0.265	0.221	0.216	0.244	0.239	0.244	0.220	0.226	0.225	0.220	0.232	6.67
42)		bromodichlorom...	0.598	0.495	0.507	0.577	0.569	0.588	0.498	0.519	0.570	0.557	0.548	7.13
43)	C	1,4-dioxane			0.142	0.170	0.166	0.170	0.146	0.146	0.165	0.162	0.158	7.41
44)	C	trichloroethene	0.459	0.404	0.411	0.456	0.443	0.452	0.411	0.421	0.425	0.420	0.430	4.77
45)	C	2,2,4-trimethy...				0.847	0.827	0.840	0.654	0.688	0.740	0.726	0.760	10.25
46)		heptane				0.246	0.240	0.243	0.203	0.210	0.232	0.237	0.230	7.27
47)	C	cis-1,3-dichlo...	0.377	0.331	0.345	0.388	0.386	0.395	0.378	0.400	0.412	0.407	0.382	6.82
48)	C	4-methyl-2-pen...						0.364	0.375	0.327	0.338	0.368	0.363	0.356	5.27

Response Factor Report Airlab 23

Method Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Method File : TSIM23_251121.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Sun Nov 23 16:05:00 2025
Response Via : Initial Calibration

Calibration Files
0.02=R236981.D 0.05=R236982.D 0.1 =R236983.D 0.2 =R236984.D 0.5 =R236985.D 1.0 =R236986.D
5.0 =R236987.D 10.0=R236988.D 20.0=R236989.D 50.0=R236990.D

		Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
49)		trans-1,3-dich...	0.290	0.251	0.265	0.301	0.301	0.311	0.300	0.321	0.335	0.333	0.301	9.02
50)	C	1,1,2-trichlor...	0.377	0.331	0.337	0.376	0.372	0.379	0.350	0.363	0.366	0.354	0.361	4.70
51)	I	chlorobenzene-D5	----------ISTD----------											
52)	C	toluene			7.371	7.810	7.449	7.577	6.693	6.817	6.859	6.114	7.086	7.91
53)	s	toluene-D8						6.278	6.064	6.150	6.243	5.868	6.121	2.68
54)		2-hexanone				2.359	2.479	2.600	2.277	2.325	2.656	2.600	2.471	6.16
55)		dibromochlorom...	5.552	4.919	4.876	5.352	5.171	5.275	4.422	4.596	5.265	4.959	5.039	6.97
56)	C	1,2-dibromoethane	4.667	4.184	4.179	4.644	4.504	4.572	4.118	4.242	4.356	4.005	4.347	5.43
57)	C	tetrachloroethene	5.304	4.582	4.520	4.946	4.763	4.790	4.203	4.283	4.474	4.251	4.611	7.51
58)		1,1,1,2-tetrac...	3.920	3.438	3.457	3.863	3.731	3.815	3.512	3.703	3.959	3.809	3.721	5.12
59)	C	chlorobenzene	6.935	6.129	6.022	6.758	6.515	6.584	5.859	5.999	6.116	5.621	6.254	6.76
60)	C	ethylbenzene	1.005	0.884	0.869	0.980	0.950	0.972	0.882	0.902	0.903	0.804	0.915	6.69
61)	C	m+p-xylene	7.603	6.670	6.619	7.454	7.267	7.368	6.539	6.671	6.687	6.120	6.900	7.04
62)	C	bromoform	4.964	4.430	4.306	4.844	4.738	4.860	4.163	4.416	5.266	5.192	4.718	7.97
63)	C	styrene	5.515	4.919	4.880	5.431	5.374	5.527	5.179	5.413	5.656	5.229	5.312	4.86
64)	C	1,1,2,2-tetrac...	5.654	5.029	4.951	5.507	5.400	5.514	4.952	5.026	5.088	4.765	5.188	5.83

Method Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Method File : TSIM23_251121.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Sun Nov 23 16:05:00 2025
Response Via : Initial Calibration

Calibration Files
0.02=R236981.D 0.05=R236982.D 0.1 =R236983.D 0.2 =R236984.D 0.5 =R236985.D 1.0 =R236986.D
5.0 =R236987.D 10.0=R236988.D 20.0=R236989.D 50.0=R236990.D

		Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
65)	C	o-xylene	7.887	6.845	6.756	7.519	7.283	7.430	6.584	6.729	6.837	6.405	7.028	6.75
66)		1,2,3-Trichlor...	3.957	3.555	3.562	3.926	3.764	3.828	3.383	3.444	3.541	3.364	3.632	6.06
67)	s	bromofluoroben...						3.657	3.645	3.681	3.807	3.801	3.718	2.14
68)	C	isopropylbenzene				1.039	0.998	1.027	0.935	0.964	0.996	0.884	0.977	5.56
69)		Bromobenzene	4.769	4.259	4.315	4.641	4.437	4.574	4.129	4.243	4.424	4.253	4.404	4.62
70)		4-ethyl toluene	9.964	8.845	8.673	9.663	9.577	9.662	8.201	8.545	9.389	8.541	9.106	6.72
71)		1,3,5-trimethy...	8.356	7.543	7.558	7.920	7.741	7.966	7.324	7.460	7.838	7.082	7.679	4.74
72)		tert-butylbenzene	0.984	0.956	0.916	0.958	0.934	0.952	0.881	1.065	0.965	0.851	0.946	6.15
73)		1,2,4-trimethy...	8.633	7.847	7.765	8.327	8.158	8.365	7.900	8.260	8.509	7.692	8.146	4.02
74)	C	Benzyl Chloride			3.667	4.301	4.623	5.137	5.413	5.957	6.905	6.993	5.375	22.23
75)		1,3-dichlorobe...	6.638	6.427	6.363	6.777	6.657	6.821	6.335	6.760	7.435	6.971	6.718	4.87
76)	C	1,4-dichlorobe...	6.671	5.982	6.049	6.585	6.491	6.735	6.300	6.481	6.822	7.002	6.512	5.01
77)		sec-butylbenzene				1.248	1.229	1.245	1.116	1.151	1.177	1.053	1.174	6.23
78)		p-isopropyltol...				1.134	1.117	1.142	1.078	1.141	1.176	1.005	1.113	5.06
79)		1,2-dichlorobe...	6.542	6.078	6.126	6.336	6.241	6.370	6.102	6.411	6.867	6.775	6.385	4.29
80)		n-butylbenzene				8.771	8.845	9.120	8.744	9.144	9.394	8.546	8.938	3.27

Method Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Method File : TSIM23_251121.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Sun Nov 23 16:05:00 2025
Response Via : Initial Calibration

Calibration Files
0.02=R236981.D 0.05=R236982.D 0.1 =R236983.D 0.2 =R236984.D 0.5 =R236985.D 1.0 =R236986.D
5.0 =R236987.D 10.0=R236988.D 20.0=R236989.D 50.0=R236990.D

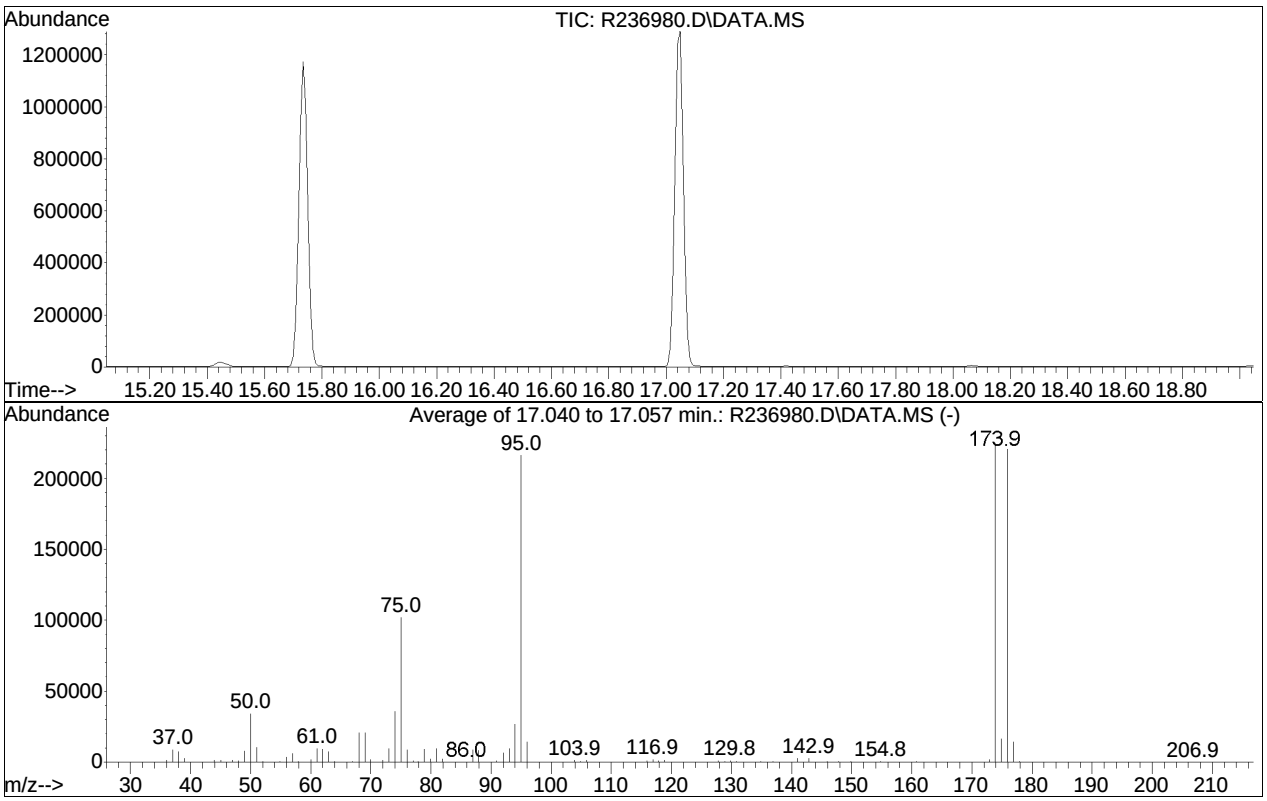
		Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
81)		1,2-dibromo-3-...	2.279	2.057	2.120	2.123	2.197	2.327	2.413	2.574	2.739	2.863	2.369	11.64
82)	C	1,2,4-trichlor...		4.217	4.700	3.980	4.485	4.864	5.793	6.500	6.908	7.085	5.392	22.24
83)		naphthalene		0.803	0.880	0.747	0.920	1.009	1.238	1.331	1.300	1.190	1.046	21.28
84)		1,2,3-trichlor...		4.546	4.849	3.805	4.532	4.912	5.760	6.383	6.544	6.815	5.350	19.77
85)	C	hexachlorobuta...		4.566	4.734	3.905	4.317	4.486	4.834	5.315	5.631	5.811	4.844	12.96

(#) = Out of Range

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236980.D
Acq On : 21 Nov 2025 08:09 pm
Operator : AIRLAB23:BJB
Sample : WG2145606-1,3,250,250
Misc : WG2145606
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Sun Nov 23 15:33:01 2025



Spectrum Information: Average of 17.040 to 17.057 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	15.7	34024	PASS
75	95	30	66	47.1	101915	PASS
95	95	100	100	100.0	216448	PASS
96	95	5	9	6.5	14166	PASS
173	174	0.00	2	0.8	1777	PASS
174	95	50	120	104.0	225088	PASS
175	174	4	9	7.2	16309	PASS
176	174	93	101	97.9	220395	PASS
177	176	5	9	6.4	14077	PASS

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236981.D
Acq On : 21 Nov 2025 08:44 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.02
Misc : WG2145606
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 10:12:49 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.865	49	296138	10.000	ppbV	0.00
Standard Area = 243961			Recovery = 121.39%			
33) 1,4-difluorobenzene	11.049	114	1195701	10.000	ppbV	0.00
Standard Area = 1050358			Recovery = 113.84%			
51) chlorobenzene-D5	15.737	54	151396	10.000	ppbV	0.00
Standard Area = 140272			Recovery = 107.93%			
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	13.865	98	284	0.003	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.03%#			
67) bromofluorobenzene	17.051	95	1018	0.018	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.18%#			
Target Compounds						Qvalue
2) propylene	3.795	41	486M6	0.046	ppbV	
3) dichlorodifluoromethane	3.865	85	1739	0.021	ppbV	96
4) chloromethane	4.034	50	552M3	0.026	ppbV	
5) Freon-114	4.134	85	2091	0.022	ppbV	97
6) vinyl chloride	4.257	62	621	0.022	ppbV #	65
7) 1,3-butadiene	4.397	54	396	0.025	ppbV #	29
8) bromomethane	4.673	94	693	0.020	ppbV	92
9) chloroethane	4.848	64	473	0.029	ppbV #	71
10) ethanol	5.024	31	1461	0.134	ppbV	96
11) vinyl bromide	5.224	106	593M4	0.022	ppbV	
12) acrolein	5.382	56	224M4	0.025	ppbV	
13) acetone	5.533	43	4641	0.182	ppbV #	99
14) trichlorofluoromethane	5.668	101	1862	0.022	ppbV	98
15) isopropyl alcohol	5.820	45	3140	0.119	ppbV #	87
16) acrylonitrile	6.024	53	344M4	0.023	ppbV	
17) 1,1-dichloroethene	6.360	61	1017	0.021	ppbV #	88
18) tertiary butyl alcohol	6.496	59	1209	0.030	ppbV #	47
19) methylene chloride	6.496	49	1249	0.052	ppbV	100
20) 3-chloropropene	6.625	41	460	0.027	ppbV #	86
21) carbon disulfide	6.804	76	1502	0.024	ppbV #	1
22) Freon 113	6.798	101	1524	0.023	ppbV	96
23) trans-1,2-dichloroethene	7.533	61	739	0.024	ppbV	94
24) 1,1-dichloroethane	7.749	63	1004	0.022	ppbV #	85

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236981.D
Acq On : 21 Nov 2025 08:44 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.02
Misc : WG2145606
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 10:12:49 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) MTBE	7.885	73	1394	0.023	ppbV #	55
26) vinyl acetate	7.960	43	1022	0.033	ppbV #	88
27) 2-butanone	8.275	43	899	0.027	ppbV #	86
28) cis-1,2-dichloroethene	8.685	61	795	0.022	ppbV	95
29) Ethyl Acetate	9.036	61	274	0.044	ppbV #	1
30) chloroform	9.011	83	1504	0.023	ppbV #	91
31) Tetrahydrofuran	9.549	42	375	0.025	ppbV	93
32) 1,2-dichloroethane	9.843	62	888	0.023	ppbV #	73
34) hexane	8.930	57	1047	0.041	ppbV #	10
36) 1,1,1-trichloroethane	10.120	97	1546	0.020	ppbV #	88
37) benzene	10.635	78	1965	0.024	ppbV #	81
38) carbon tetrachloride	10.804	117	1717	0.022	ppbV #	96
39) cyclohexane	10.946	56	638	0.025	ppbV #	75
40) Dibromomethane	11.539	93	1186	0.030	ppbV #	96
41) 1,2-dichloropropane	11.568	63	634	0.024	ppbV #	76
42) bromodichloromethane	11.794	83	1430	0.024	ppbV #	95
43) 1,4-dioxane	11.935	88	424	0.024	ppbV #	74
44) trichloroethene	11.841	130	1098	0.022	ppbV	95
45) 2,2,4-trimethylpentane	11.898	57	2066	0.026	ppbV #	74
46) heptane	12.199	43	640	0.026	ppbV	96
47) cis-1,3-dichloropropene	12.848	75	902	0.020	ppbV #	63
48) 4-methyl-2-pentanone	12.981	43	945	0.024	ppbV #	95
49) trans-1,3-dichloropropene	13.465	75	693	0.019	ppbV #	44
50) 1,1,2-trichloroethane	13.657	97	902	0.022	ppbV	92
52) toluene	13.982	91	2831	0.028	ppbV	97
54) 2-hexanone	14.382	43	568	0.016	ppbV #	85
55) dibromochloromethane	14.432	129	1681	0.025	ppbV #	96
56) 1,2-dibromoethane	14.691	107	1413	0.023	ppbV	100
57) tetrachloroethene	15.150	166	1606	0.025	ppbV	94
58) 1,1,1,2-tetrachloroethane	15.763	131	1187	0.022	ppbV #	93
59) chlorobenzene	15.771	112	2100	0.024	ppbV #	79
60) ethylbenzene	16.111	91	3044	0.023	ppbV	99
61) m+p-xylene	16.268	91	4604M6	0.047	ppbV	
62) bromoform	16.328	173	1503	0.024	ppbV	96
63) styrene	16.581	104	1670	0.021	ppbV	93
64) 1,1,2,2-tetrachloroethane	16.668	83	1712	0.023	ppbV	99
65) o-xylene	16.668	91	2388	0.024	ppbV	100
66) 1,2,3-Trichloropropane	16.781	75	1198	0.023	ppbV	98
68) isopropylbenzene	17.164	105	3341	0.024	ppbV	94
69) Bromobenzene	17.234	77	1444	0.023	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236981.D
Acq On : 21 Nov 2025 08:44 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.02
Misc : WG2145606
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 10:12:49 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

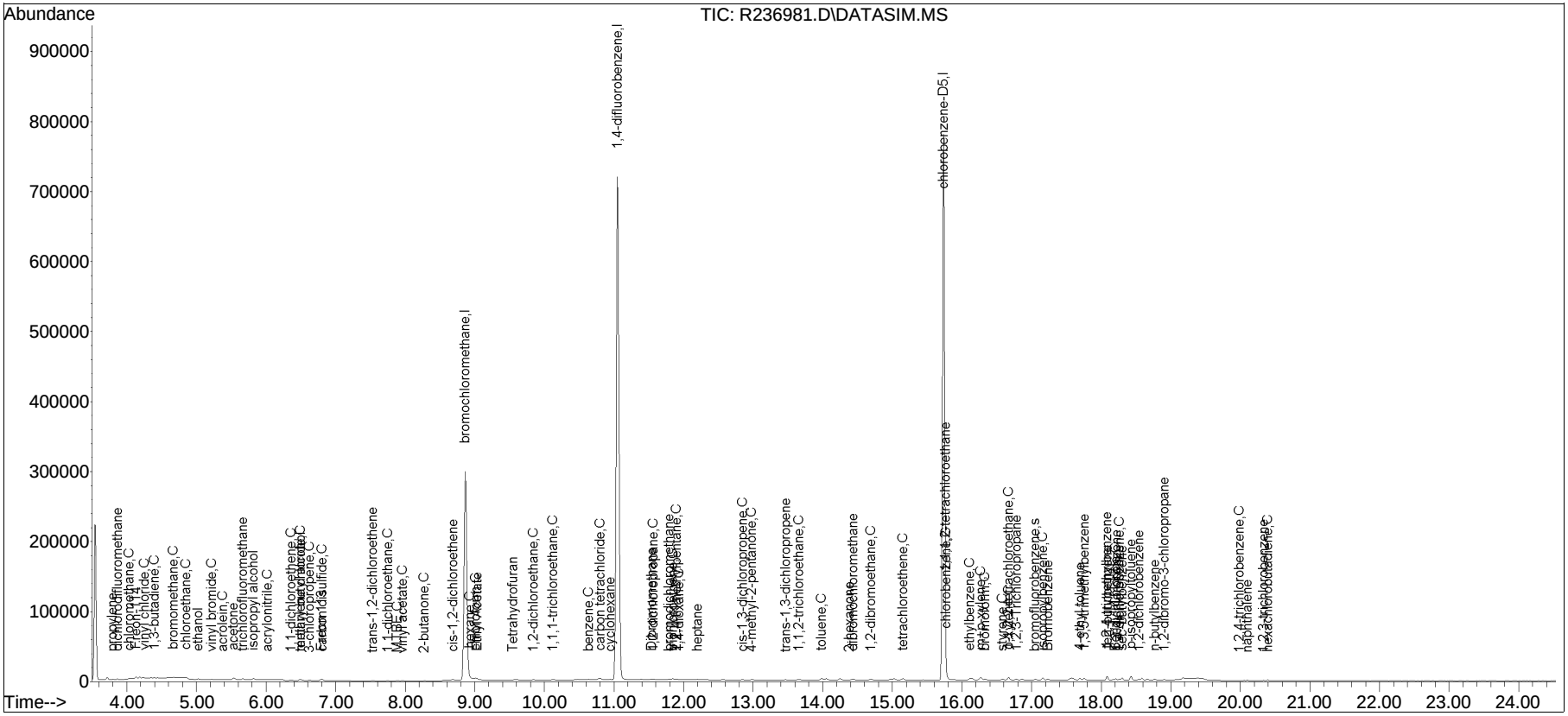
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.695	105	3017	0.024	ppbV #	92
71) 1,3,5-trimethylbenzene	17.756	105	2530	0.023	ppbV #	95
72) tert-butylbenzene	18.089	119	2978M4	0.022	ppbV	
73) 1,2,4-trimethylbenzene	18.081	105	2614	0.022	ppbV	92
74) Benzyl Chloride	18.201	91	1067	0.013	ppbV #	88
75) 1,3-dichlorobenzene	18.217	146	2010M4	0.021	ppbV	
76) 1,4-dichlorobenzene	18.265	146	2020	0.021	ppbV #	83
77) sec-butylbenzene	18.305	105	3894	0.023	ppbV	97
78) p-isopropyltoluene	18.432	119	3608	0.022	ppbV	97
79) 1,2-dichlorobenzene	18.544	146	1981	0.021	ppbV #	93
80) n-butylbenzene	18.768	91	2705	0.020	ppbV	93
81) 1,2-dibromo-3-chloropr...	18.903	75	690	0.019	ppbV	91
82) 1,2,4-trichlorobenzene	19.989	180	1276	0.015	ppbV #	83
83) naphthalene	20.100	128	2459	0.013	ppbV #	80
84) 1,2,3-trichlorobenzene	20.334	180	1268	0.015	ppbV #	82
85) hexachlorobutadiene	20.392	225	1434	0.020	ppbV	93

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

Sub List : Default - All compounds listed1\1121SIM_I\R236987.D

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236981.D
Acq On : 21 Nov 2025 08:44 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.02
Misc : WG2145606
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 10:12:49 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

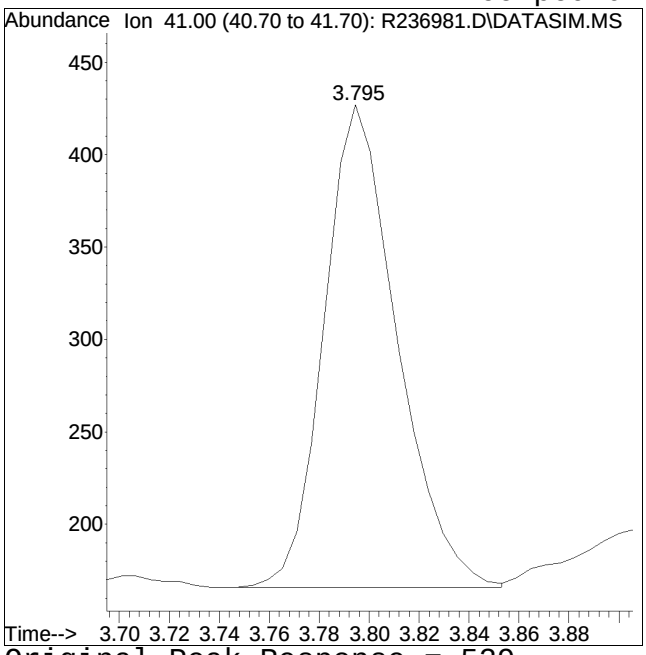


Manual Integration Report

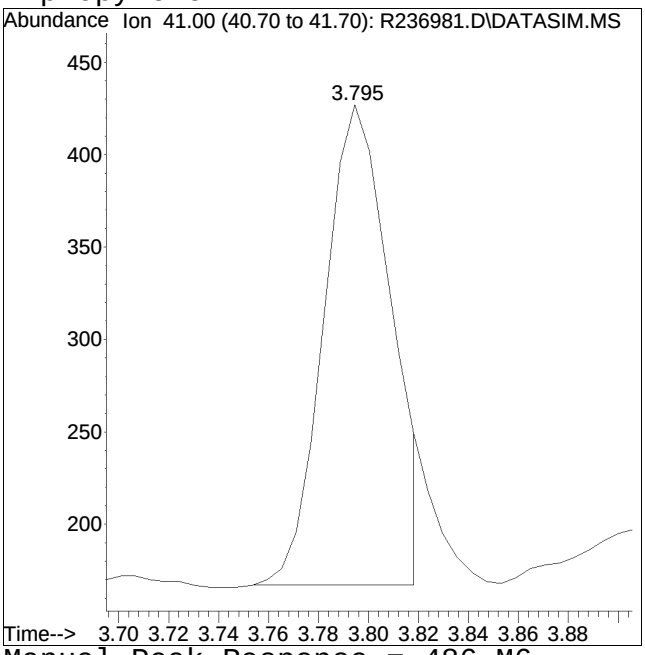
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R236981.D
Date Inj'd : 11/21/2025 8:44 pm
Sample : ITO15-SIMSTD0.02

Method : TSIM23_251121.M
Operator : AIRLAB23:BJB
Instrument : Airlab 23
Quant Date : 11/22/2025 10:12 am

Compound #2: propylene



Original Peak Response = 529



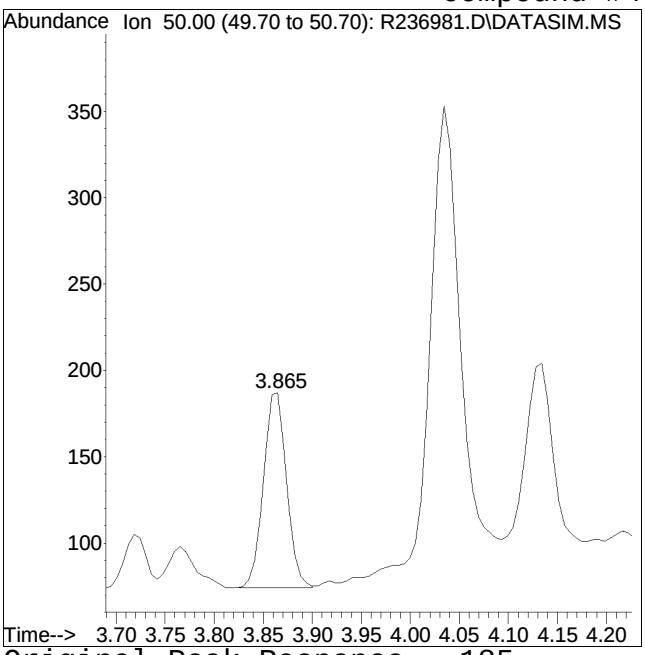
Manual Peak Response = 486 M6

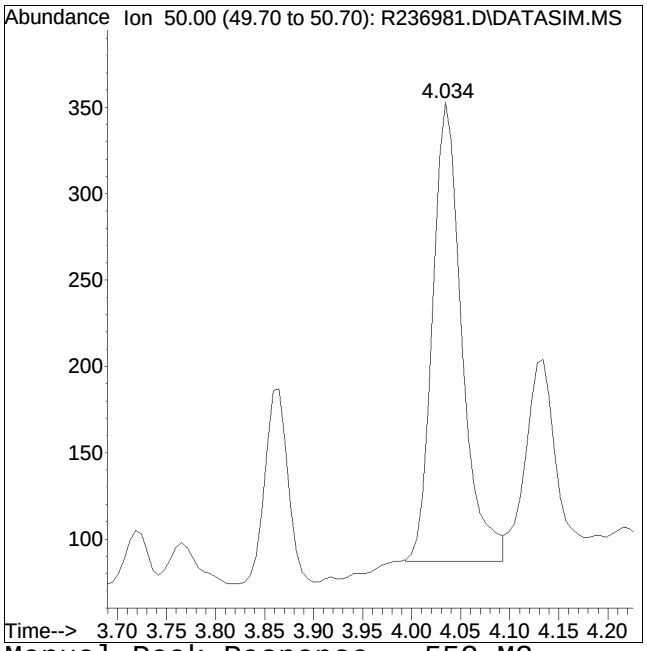
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236981.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 8:44 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD0.02 Quant Date : 11/22/2025 10:12 am

Compound #4: chloromethane





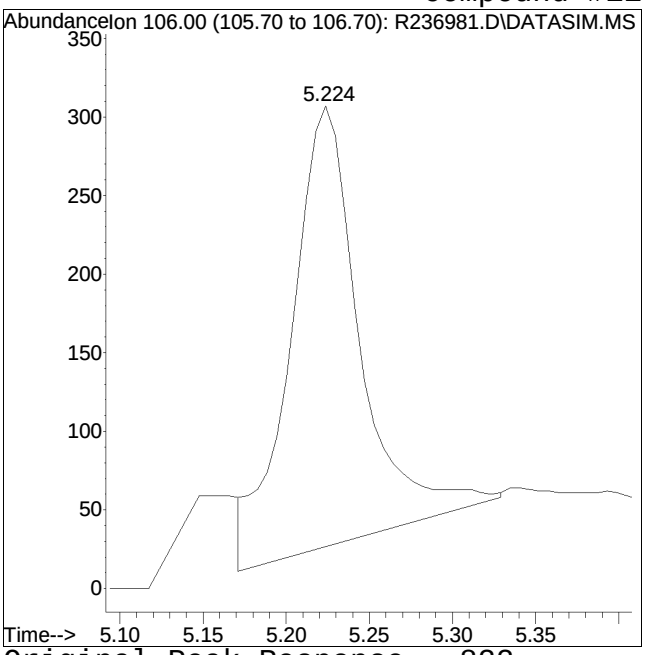
Original Peak Response = 185 Manual Peak Response = 552 M3

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.

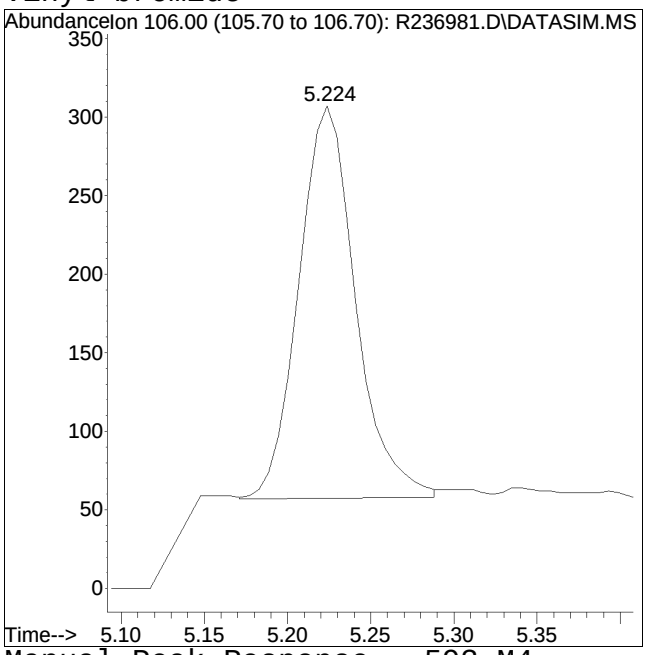
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236981.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 8:44 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD0.02 Quant Date : 11/22/2025 10:12 am

Compound #11: vinyl bromide



Original Peak Response = 822



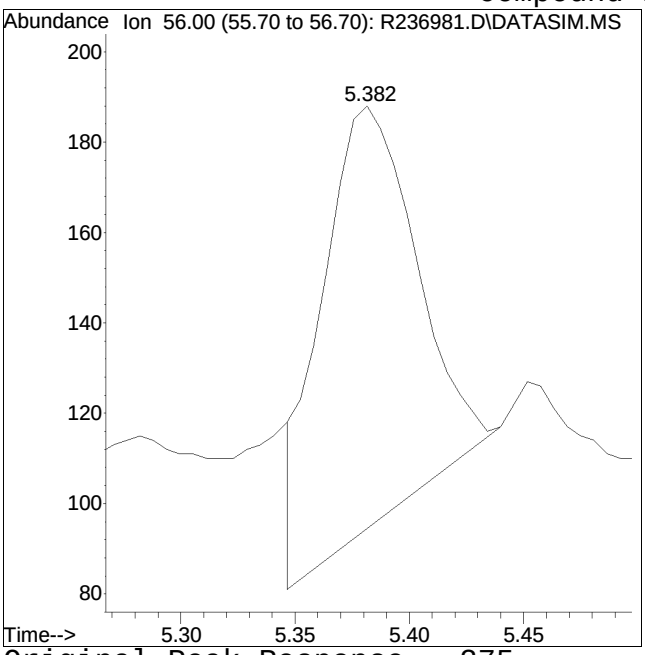
Manual Peak Response = 593 M4

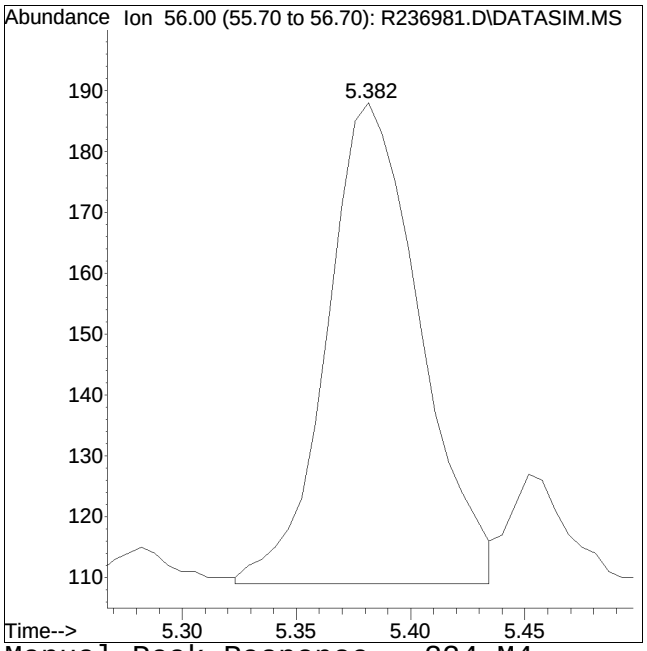
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236981.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 8:44 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD0.02 Quant Date : 11/22/2025 10:12 am

Compound #12: acrolein



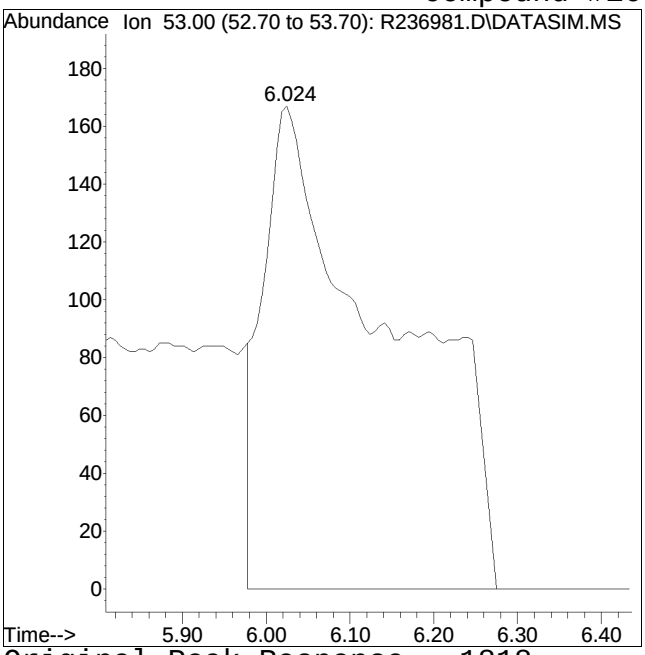


Original Peak Response = 275 Manual Peak Response = 224 M4
M4 = Poor automated baseline construction.

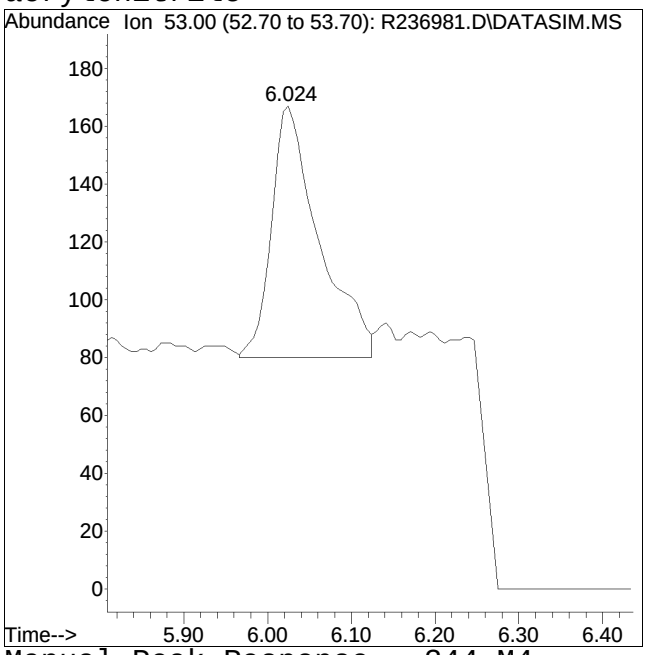
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236981.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 8:44 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD0.02 Quant Date : 11/22/2025 10:12 am

Compound #16: acrylonitrile



Original Peak Response = 1818



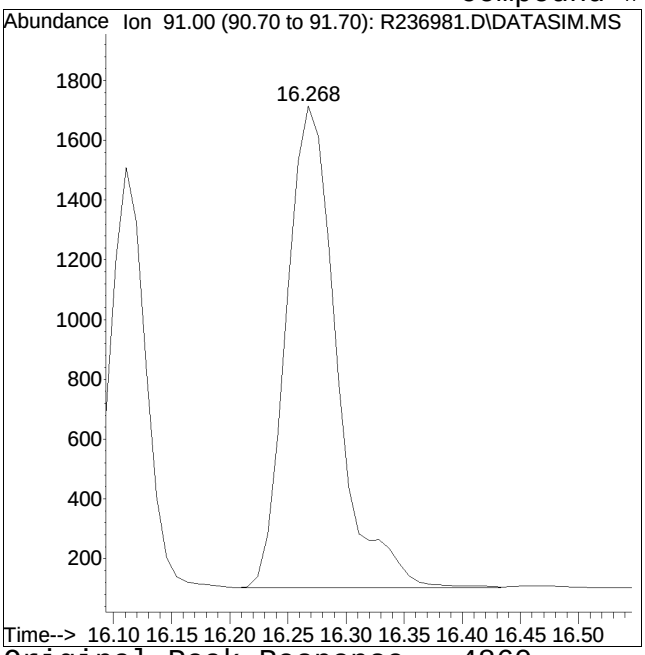
Manual Peak Response = 344 M4

M4 = Poor automated baseline construction.

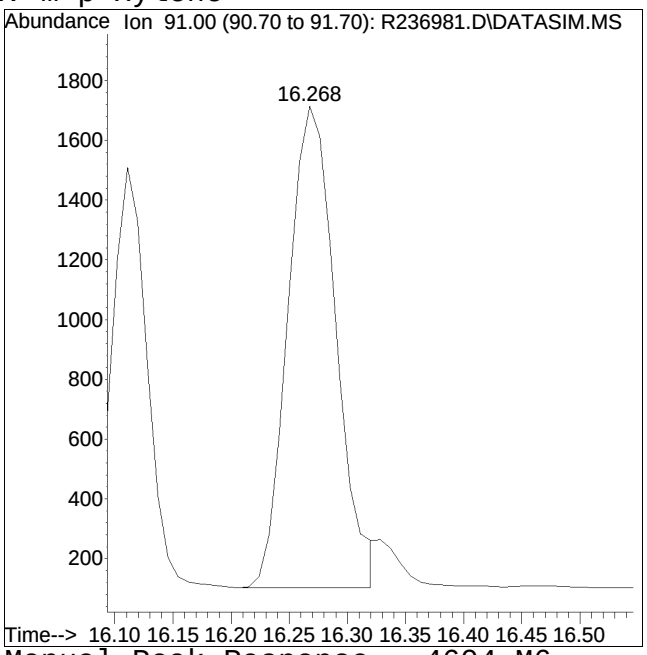
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236981.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 8:44 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD0.02 Quant Date : 11/22/2025 10:12 am

Compound #61: m+p-xylene



Original Peak Response = 4860



Manual Peak Response = 4604 M6

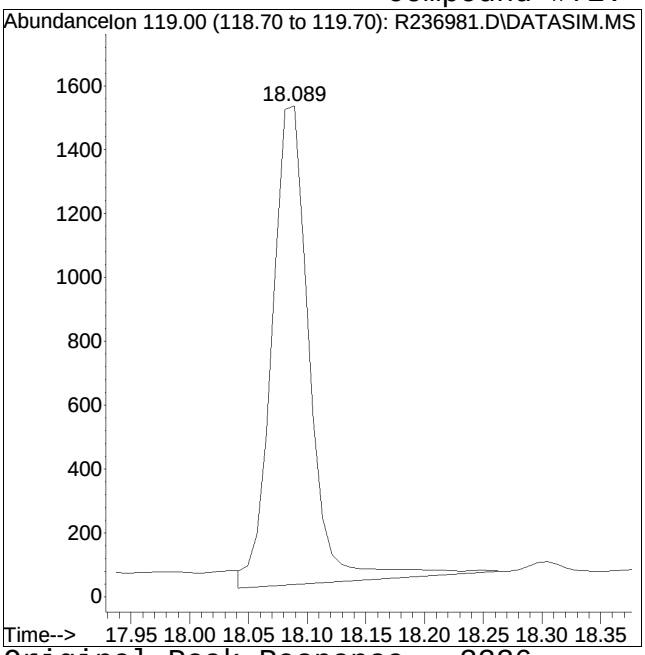
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

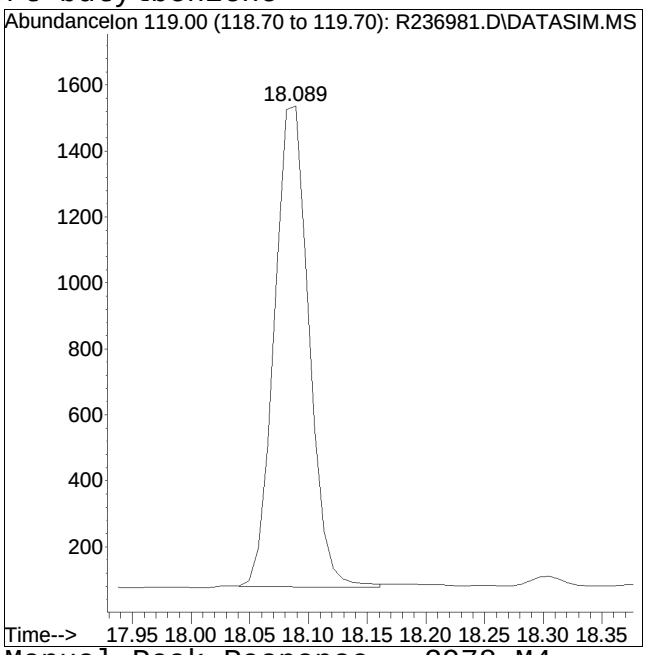
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R236981.D
Date Inj'd : 11/21/2025 8:44 pm
Sample : ITO15-SIMSTD0.02

Method : TSIM23_251121.M
Operator : AIRLAB23:BJB
Instrument : Airlab 23
Quant Date : 11/22/2025 10:12 am

Compound #72: tert-butylbenzene



Original Peak Response = 3336



Manual Peak Response = 2978 M4

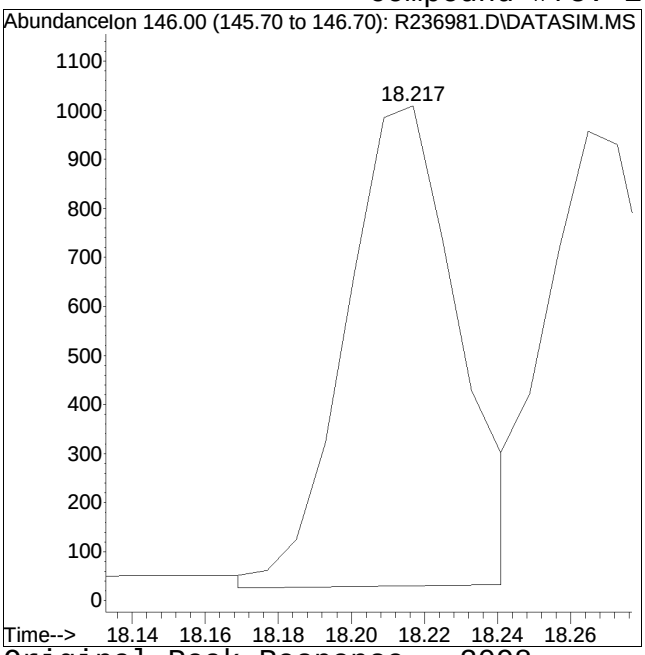
M4 = Poor automated baseline construction.

Manual Integration Report

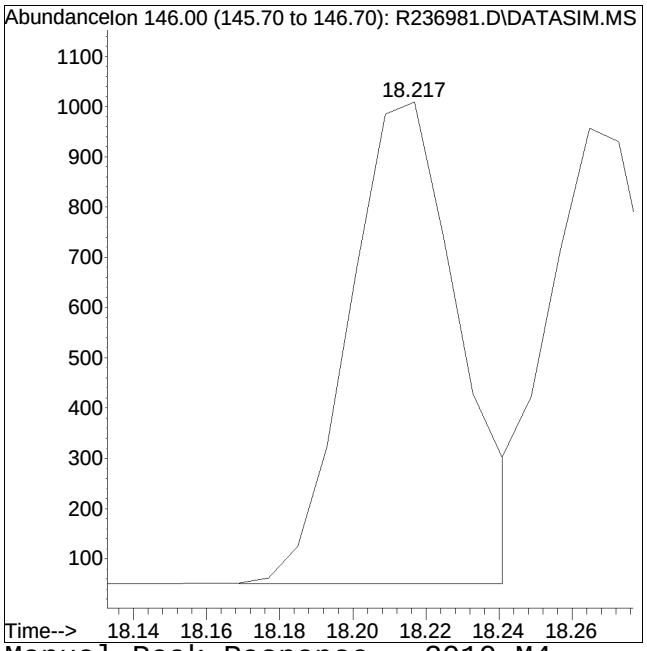
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R236981.D
Date Inj'd : 11/21/2025 8:44 pm
Sample : ITO15-SIMSTD0.02

Method : TSIM23_251121.M
Operator : AIRLAB23:BJB
Instrument : Airlab 23
Quant Date : 11/22/2025 10:12 am

Compound #75: 1,3-dichlorobenzene



Original Peak Response = 2098



Manual Peak Response = 2010 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236982.D
Acq On : 21 Nov 2025 09:20 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.05
Misc : WG2145606
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 10:12:56 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.865	49	297696	10.000	ppbV	0.00
Standard Area = 243961			Recovery = 122.03%			
33) 1,4-difluorobenzene	11.050	114	1292129	10.000	ppbV	0.00
Standard Area = 1050358			Recovery = 123.02%			
51) chlorobenzene-D5	15.728	54	160842	10.000	ppbV	0.00
Standard Area = 140272			Recovery = 114.66%			
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	13.865	98	143	0.001	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.01%#			
67) bromofluorobenzene	17.051	95	620	0.011	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.11%#			
Target Compounds						Qvalue
2) propylene	3.794	41	830M6	0.078	ppbV	
3) dichlorodifluoromethane	3.865	85	4142	0.051	ppbV	98
4) chloromethane	4.034	50	1257	0.059	ppbV	89
5) Freon-114	4.134	85	4936	0.051	ppbV	99
6) vinyl chloride	4.257	62	1527	0.054	ppbV #	85
7) 1,3-butadiene	4.391	54	980	0.061	ppbV #	63
8) bromomethane	4.672	94	1773	0.050	ppbV	96
9) chloroethane	4.848	64	919	0.056	ppbV #	84
10) ethanol	5.018	31	3194M4	0.292	ppbV	
11) vinyl bromide	5.224	106	1377M4	0.050	ppbV	
12) acrolein	5.376	56	468M4	0.052	ppbV	
13) acetone	5.528	43	9256	0.362	ppbV #	99
14) trichlorofluoromethane	5.668	101	4360	0.052	ppbV	97
15) isopropyl alcohol	5.808	45	6436	0.243	ppbV #	93
16) acrylonitrile	6.018	53	761M4	0.050	ppbV	
17) 1,1-dichloroethene	6.356	61	2391M4	0.048	ppbV	
18) tertiary butyl alcohol	6.479	59	2985	0.073	ppbV	97
19) methylene chloride	6.496	49	1987	0.082	ppbV	100
20) 3-chloropropene	6.625	41	881	0.051	ppbV	95
21) carbon disulfide	6.804	76	3625	0.057	ppbV #	1
22) Freon 113	6.798	101	3473	0.052	ppbV	98
23) trans-1,2-dichloroethene	7.533	61	1667	0.054	ppbV	94
24) 1,1-dichloroethane	7.749	63	2305	0.050	ppbV	92

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236982.D
Acq On : 21 Nov 2025 09:20 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.05
Misc : WG2145606
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 10:12:56 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	7.874	73	3460	0.056	ppbV	#	83
26) vinyl acetate	7.961	43	2687	0.085	ppbV		97
27) 2-butanone	8.258	43	1930	0.058	ppbV	#	90
28) cis-1,2-dichloroethene	8.685	61	1778	0.049	ppbV		95
29) Ethyl Acetate	9.036	61	647	0.104	ppbV	#	1
30) chloroform	9.011	83	3448	0.052	ppbV	#	96
31) Tetrahydrofuran	9.541	42	952	0.063	ppbV		93
32) 1,2-dichloroethane	9.843	62	2005	0.051	ppbV	#	86
34) hexane	8.938	57	2410	0.088	ppbV	#	13
36) 1,1,1-trichloroethane	10.120	97	3675	0.043	ppbV	#	94
37) benzene	10.635	78	4530	0.051	ppbV	#	92
38) carbon tetrachloride	10.804	117	4151	0.050	ppbV		98
39) cyclohexane	10.946	56	1618	0.058	ppbV	#	86
40) Dibromomethane	11.540	93	2329	0.054	ppbV	#	99
41) 1,2-dichloropropane	11.568	63	1430	0.050	ppbV	#	91
42) bromodichloromethane	11.794	83	3198	0.050	ppbV	#	95
43) 1,4-dioxane	11.917	88	966	0.051	ppbV	#	73
44) trichloroethene	11.841	130	2613	0.049	ppbV		98
45) 2,2,4-trimethylpentane	11.898	57	4825	0.057	ppbV	#	88
46) heptane	12.199	43	1422	0.054	ppbV		99
47) cis-1,3-dichloropropene	12.848	75	2136	0.044	ppbV	#	84
48) 4-methyl-2-pentanone	12.956	43	2054	0.049	ppbV		96
49) trans-1,3-dichloropropene	13.457	75	1622	0.042	ppbV	#	73
50) 1,1,2-trichloroethane	13.657	97	2139	0.047	ppbV		99
52) toluene	13.982	91	6149	0.057	ppbV		99
54) 2-hexanone	14.358	43	1577	0.043	ppbV		88
55) dibromochloromethane	14.433	129	3956	0.056	ppbV		97
56) 1,2-dibromoethane	14.691	107	3365	0.051	ppbV		100
57) tetrachloroethene	15.150	166	3685	0.055	ppbV		96
58) 1,1,1,2-tetrachloroethane	15.763	131	2765	0.049	ppbV		97
59) chlorobenzene	15.772	112	4929	0.052	ppbV		91
60) ethylbenzene	16.111	91	7106	0.050	ppbV		98
61) m+p-xylene	16.268	91	10728M6	0.102	ppbV		
62) bromoform	16.329	173	3563	0.053	ppbV		99
63) styrene	16.581	104	3956	0.047	ppbV		95
64) 1,1,2,2-tetrachloroethane	16.668	83	4044	0.051	ppbV		99
65) o-xylene	16.668	91	5505	0.052	ppbV		99
66) 1,2,3-Trichloropropane	16.773	75	2859	0.053	ppbV		99
68) isopropylbenzene	17.156	105	7913	0.053	ppbV		99
69) Bromobenzene	17.225	77	3425	0.052	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236982.D
Acq On : 21 Nov 2025 09:20 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.05
Misc : WG2145606
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 10:12:56 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

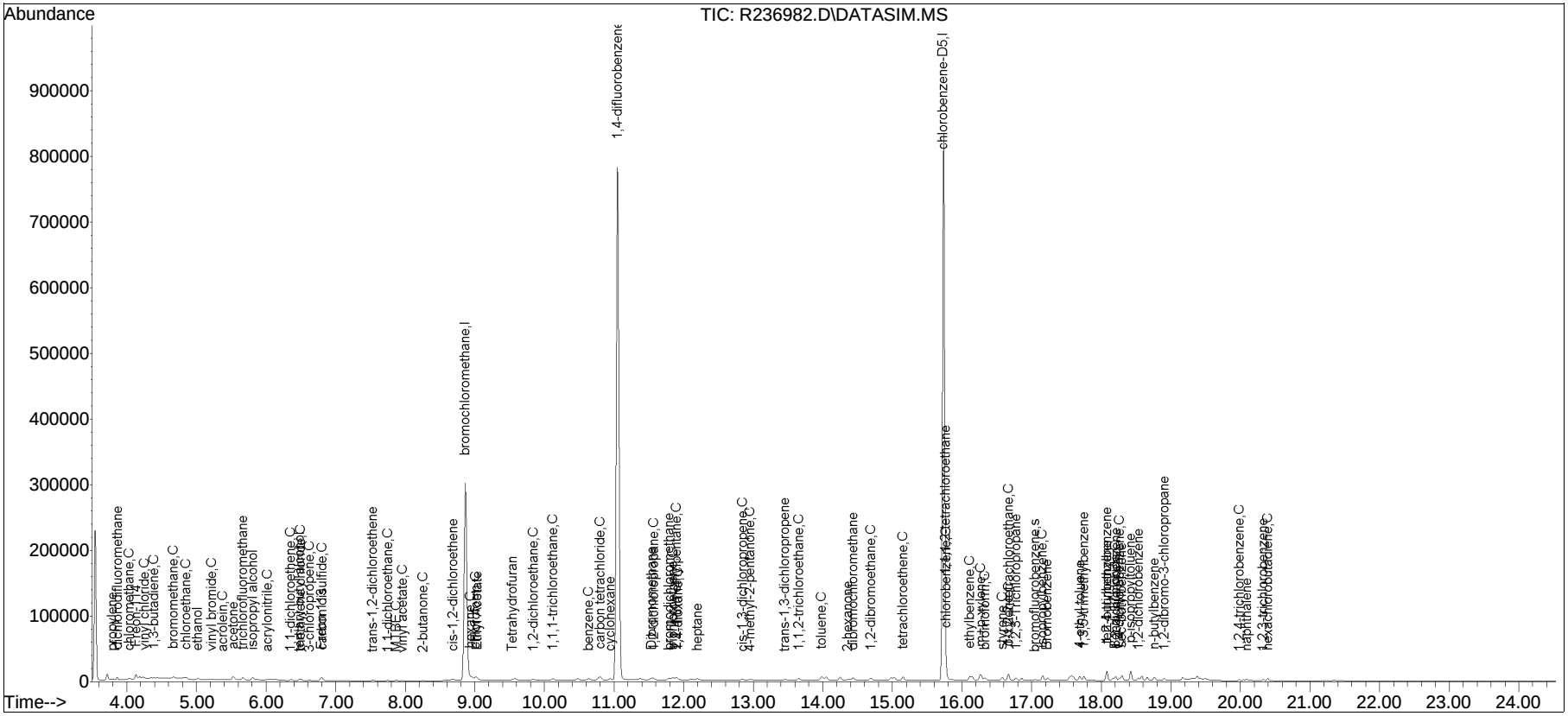
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.695	105	7113	0.054	ppbV #	97
71) 1,3,5-trimethylbenzene	17.748	105	6066	0.051	ppbV #	95
72) tert-butylbenzene	18.081	119	7690	0.054	ppbV	100
73) 1,2,4-trimethylbenzene	18.081	105	6311	0.050	ppbV	95
74) Benzyl Chloride	18.200	91	2848	0.033	ppbV	96
75) 1,3-dichlorobenzene	18.208	146	5169	0.051	ppbV	93
76) 1,4-dichlorobenzene	18.264	146	4811	0.047	ppbV	94
77) sec-butylbenzene	18.296	105	9238	0.051	ppbV	98
78) p-isopropyltoluene	18.424	119	8479	0.049	ppbV	98
79) 1,2-dichlorobenzene	18.536	146	4888	0.050	ppbV	95
80) n-butylbenzene	18.759	91	6500	0.046	ppbV	100
81) 1,2-dibromo-3-chloropr...	18.903	75	1654	0.043	ppbV	95
82) 1,2,4-trichlorobenzene	19.982	180	3391M4	0.036	ppbV	
83) naphthalene	20.094	128	6460	0.032	ppbV #	95
84) 1,2,3-trichlorobenzene	20.327	180	3656	0.039	ppbV	95
85) hexachlorobutadiene	20.392	225	3672	0.047	ppbV	96

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

Sub List : Default - All compounds listed1\1121SIM_I\R236987.D

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236982.D
Acq On : 21 Nov 2025 09:20 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.05
Misc : WG2145606
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 10:12:56 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

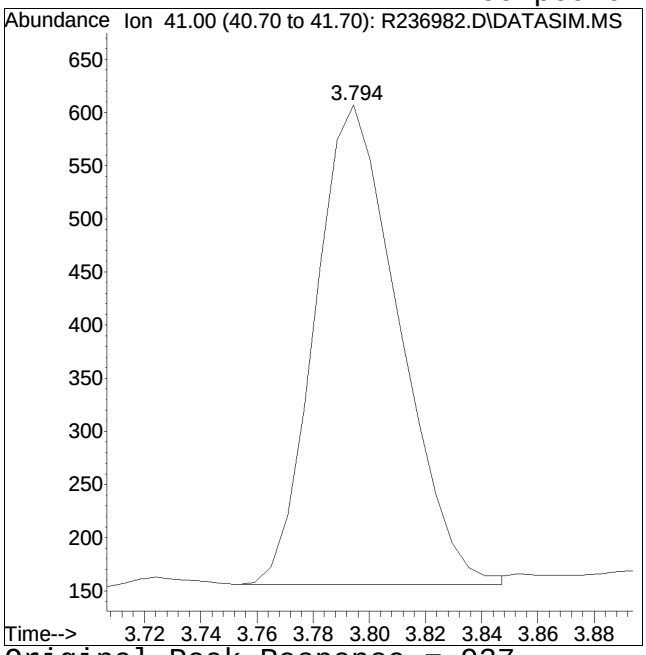


Manual Integration Report

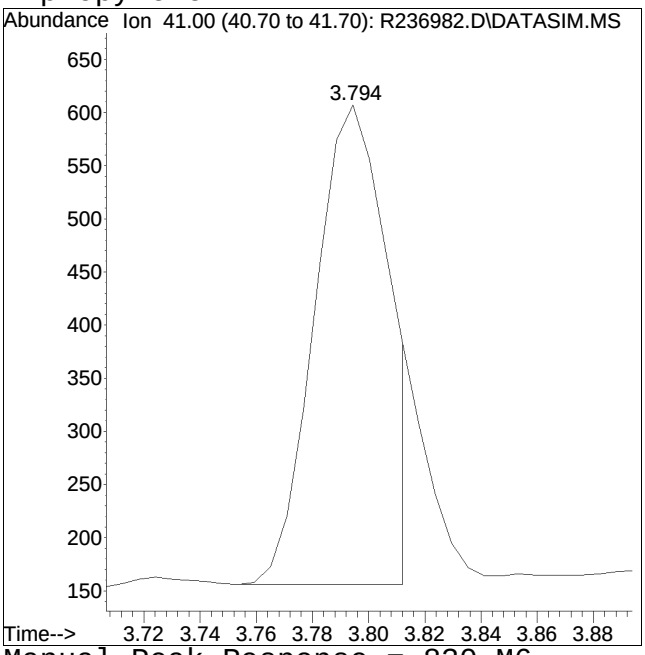
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R236982.D
Date Inj'd : 11/21/2025 9:20 pm
Sample : ITO15-SIMSTD0.05

Method : TSIM23_251121.M
Operator : AIRLAB23:BJB
Instrument : Airlab 23
Quant Date : 11/22/2025 10:12 am

Compound #2: propylene



Original Peak Response = 937



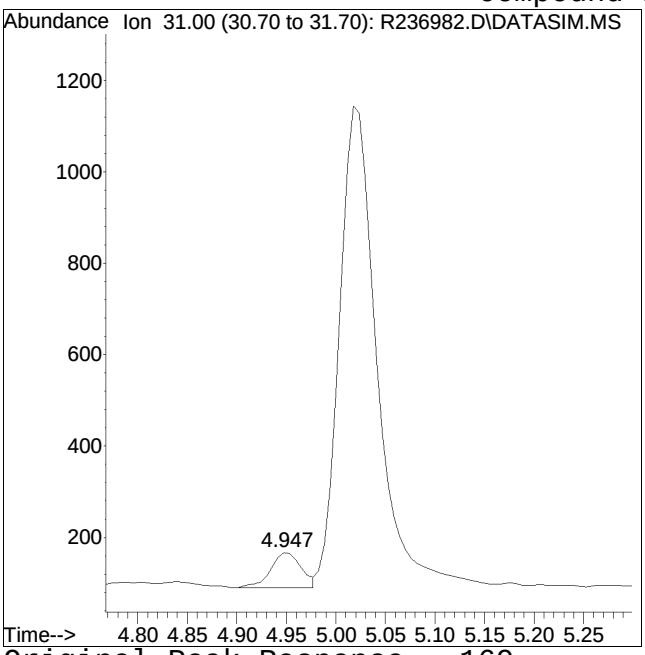
Manual Peak Response = 830 M6

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

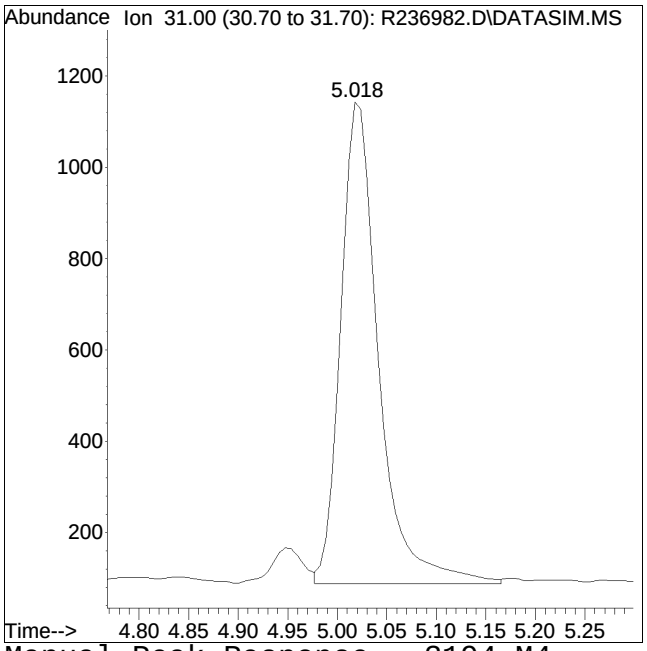
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236982.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 9:20 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD0.05 Quant Date : 11/22/2025 10:12 am

Compound #10: ethanol



Original Peak Response = 169



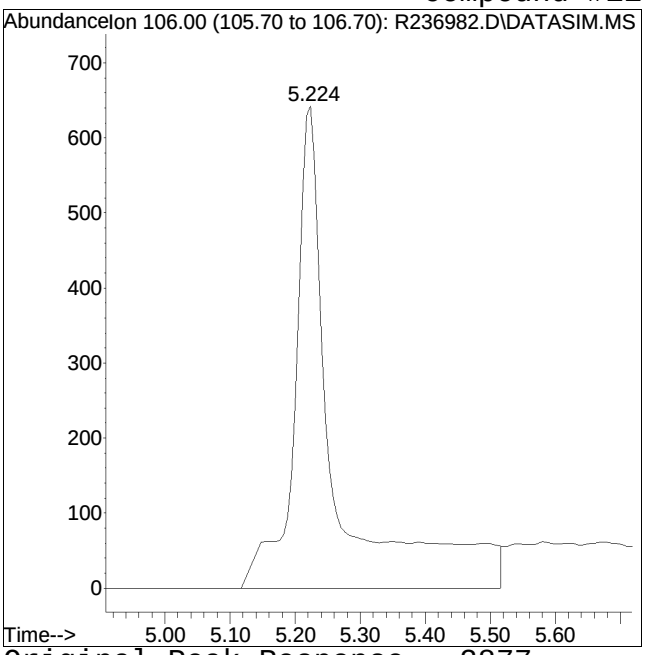
Manual Peak Response = 3194 M4

M4 = Poor automated baseline construction.

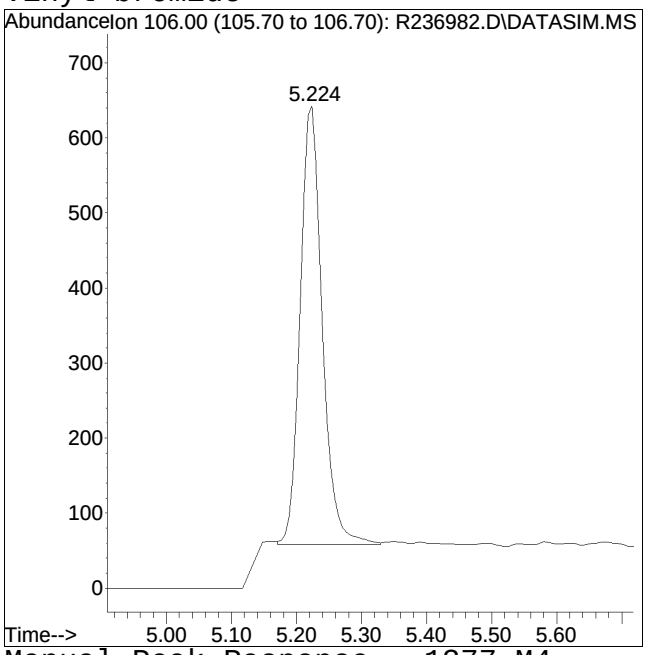
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236982.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 9:20 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD0.05 Quant Date : 11/22/2025 10:12 am

Compound #11: vinyl bromide



Original Peak Response = 2877



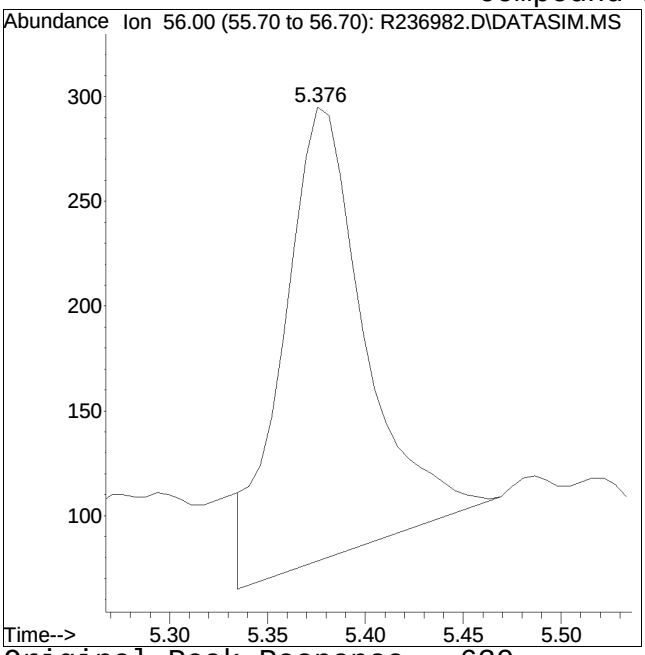
Manual Peak Response = 1377 M4

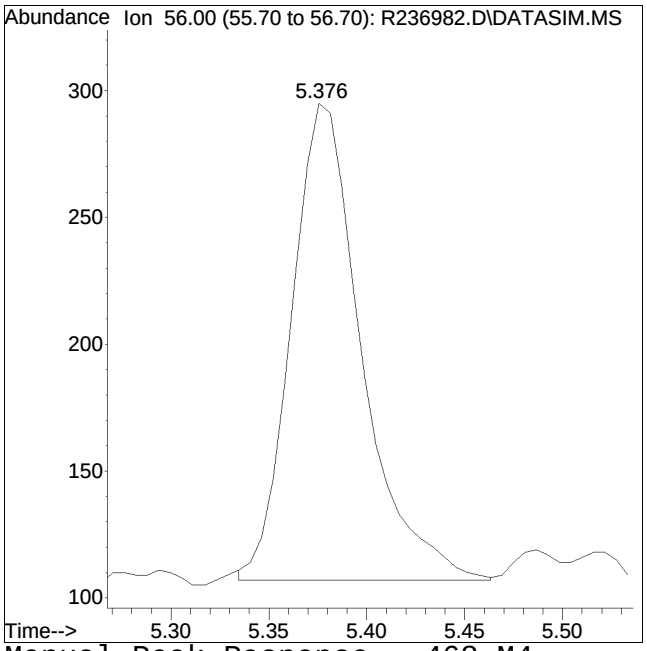
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236982.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 9:20 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD0.05 Quant Date : 11/22/2025 10:12 am

Compound #12: acrolein



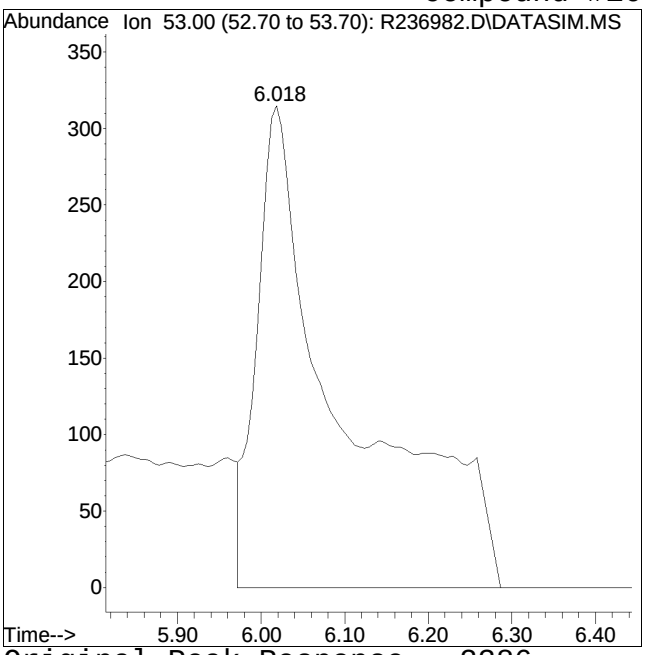


Original Peak Response = 630 Manual Peak Response = 468 M4
M4 = Poor automated baseline construction.

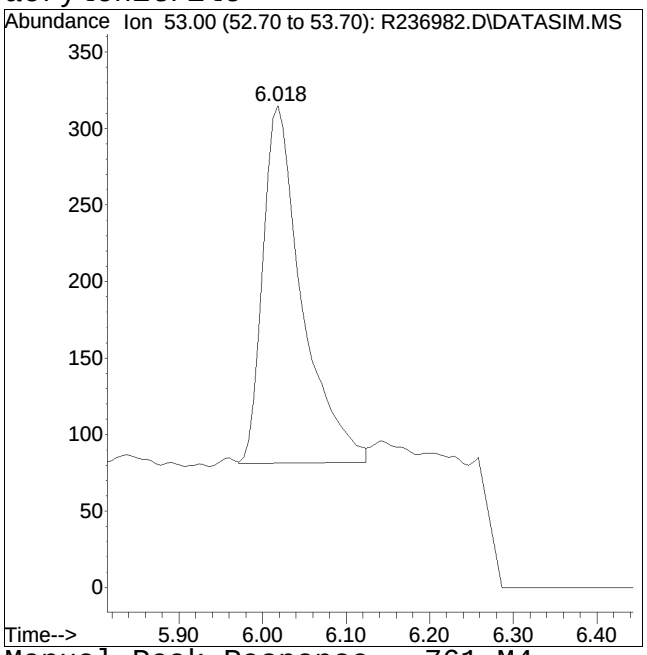
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236982.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 9:20 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD0.05 Quant Date : 11/22/2025 10:12 am

Compound #16: acrylonitrile



Original Peak Response = 2386



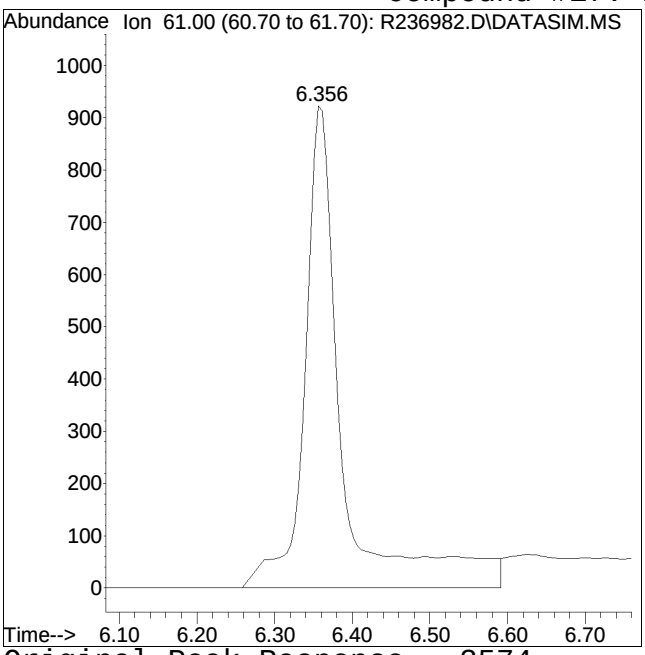
Manual Peak Response = 761 M4

M4 = Poor automated baseline construction.

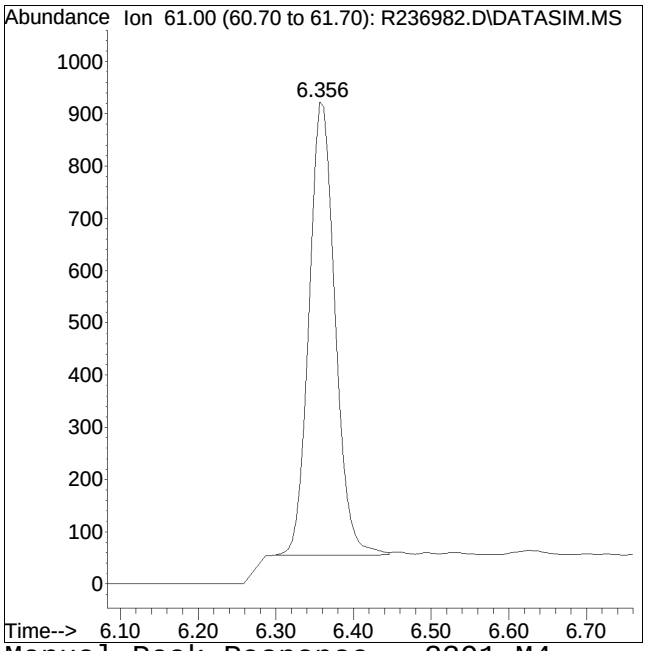
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236982.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 9:20 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD0.05 Quant Date : 11/22/2025 10:12 am

Compound #17: 1,1-dichloroethene



Original Peak Response = 3574



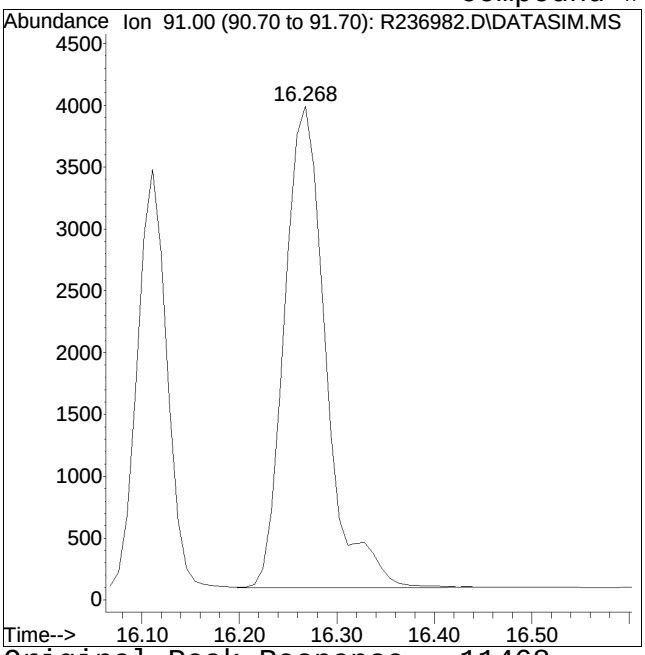
Manual Peak Response = 2391 M4

M4 = Poor automated baseline construction.

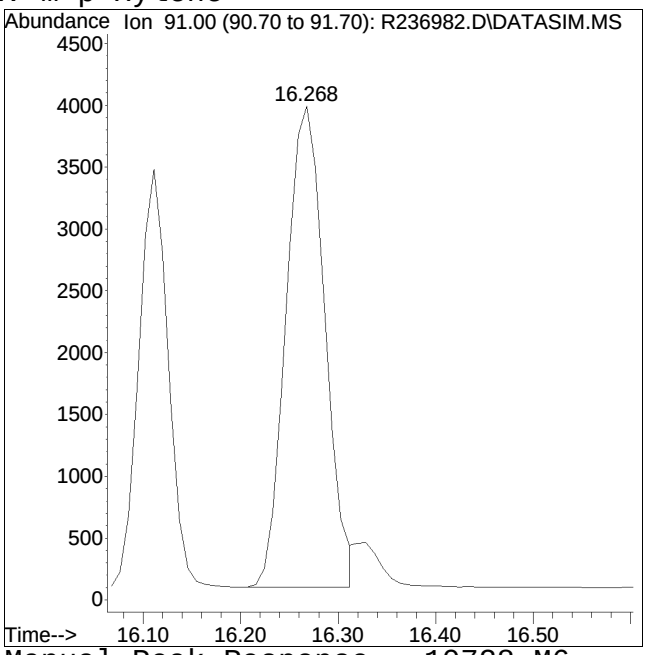
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236982.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 9:20 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD0.05 Quant Date : 11/22/2025 10:12 am

Compound #61: m+p-xylene



Original Peak Response = 11468



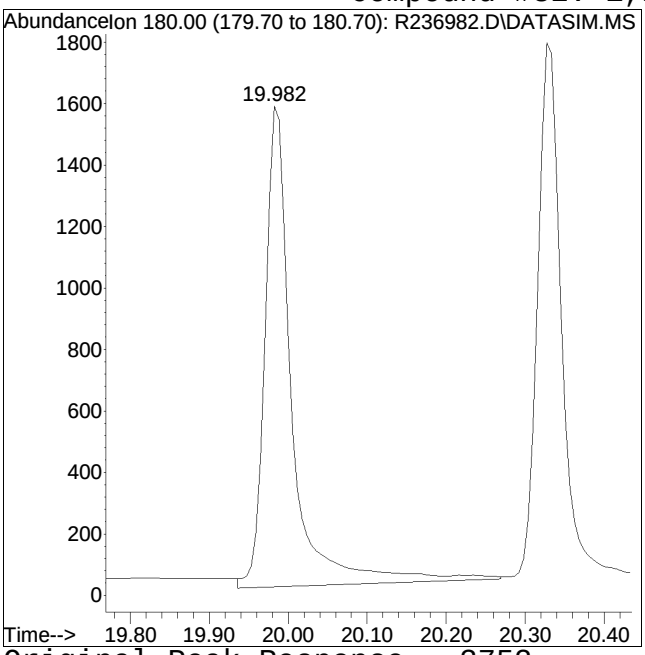
Manual Peak Response = 10728 M6

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

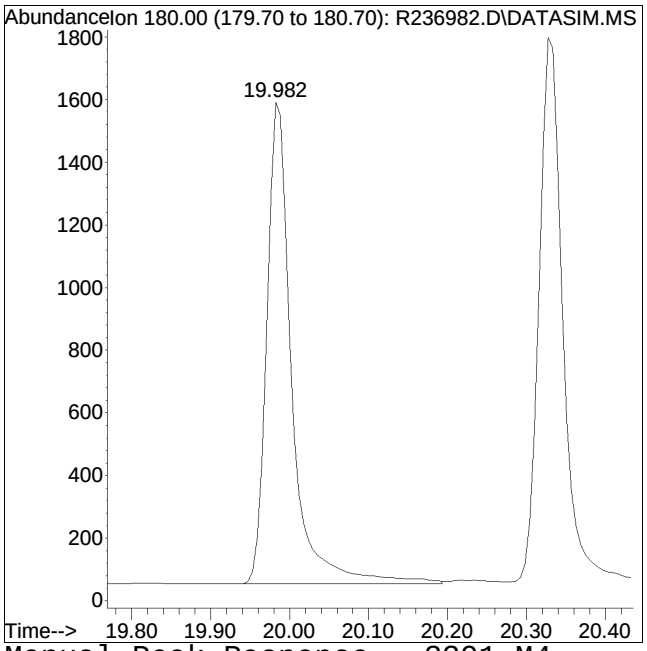
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236982.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 9:20 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD0.05 Quant Date : 11/22/2025 10:12 am

Compound #82: 1,2,4-trichlorobenzene



Original Peak Response = 3752



Manual Peak Response = 3391 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236983.D
Acq On : 21 Nov 2025 09:58 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.1
Misc : WG2145606
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 10:13:03 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.862	49	284178	10.000	ppbV	0.00
Standard Area = 243961			Recovery = 116.49%			
33) 1,4-difluorobenzene	11.055	114	1231123	10.000	ppbV	0.00
Standard Area = 1050358			Recovery = 117.21%			
51) chlorobenzene-D5	15.734	54	156631	10.000	ppbV	0.00
Standard Area = 140272			Recovery = 111.66%			
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	0.000	98	0d	0.000	ppbV	
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.00%#			
67) bromofluorobenzene	17.048	95	619	0.011	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.11%#			
Target Compounds						Qvalue
2) propylene	3.789	41	1375M6	0.135	ppbV	
3) dichlorodifluoromethane	3.859	85	8039	0.103	ppbV	99
4) chloromethane	4.034	50	2324	0.115	ppbV	90
5) Freon-114	4.128	85	9836	0.107	ppbV	98
6) vinyl chloride	4.251	62	2932	0.108	ppbV	93
7) 1,3-butadiene	4.391	54	1788	0.116	ppbV #	79
8) bromomethane	4.667	94	3482	0.103	ppbV	100
9) chloroethane	4.848	64	1724	0.110	ppbV	91
10) ethanol	5.012	31	5791	0.555	ppbV	97
11) vinyl bromide	5.218	106	2618M4	0.099	ppbV	
12) acrolein	5.370	56	921M4	0.106	ppbV	
13) acetone	5.516	43	16841	0.690	ppbV #	99
14) trichlorofluoromethane	5.668	101	8371	0.104	ppbV	98
15) isopropyl alcohol	5.790	45	11934	0.472	ppbV #	96
16) acrylonitrile	6.007	53	1569M4	0.109	ppbV	
17) 1,1-dichloroethene	6.356	61	4503M4	0.096	ppbV	
18) tertiary butyl alcohol	6.462	59	5324	0.137	ppbV #	80
19) methylene chloride	6.496	49	3144M4	0.136	ppbV	
20) 3-chloropropene	6.625	41	1768	0.106	ppbV	97
21) carbon disulfide	6.804	76	7000	0.115	ppbV #	51
22) Freon 113	6.793	101	6714	0.106	ppbV	98
23) trans-1,2-dichloroethene	7.533	61	3246	0.109	ppbV	95
24) 1,1-dichloroethane	7.750	63	4473	0.101	ppbV	93

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236983.D
Acq On : 21 Nov 2025 09:58 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.1
Misc : WG2145606
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 10:13:03 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) MTBE	7.858	73	6623	0.112	ppbV #	89
26) vinyl acetate	7.950	43	5125	0.170	ppbV	100
27) 2-butanone	8.237	43	3531	0.110	ppbV #	96
28) cis-1,2-dichloroethene	8.683	61	3380	0.098	ppbV	98
29) Ethyl Acetate	8.984	61	525	0.088	ppbV #	31
30) chloroform	9.009	83	6783	0.108	ppbV	98
31) Tetrahydrofuran	9.522	42	1773	0.123	ppbV	96
32) 1,2-dichloroethane	9.840	62	3899	0.104	ppbV #	93
34) hexane	8.936	57	4569	0.174	ppbV #	20
36) 1,1,1-trichloroethane	10.125	97	7035	0.087	ppbV	98
37) benzene	10.631	78	8542	0.101	ppbV	96
38) carbon tetrachloride	10.810	117	7850	0.100	ppbV	99
39) cyclohexane	10.942	56	3017	0.113	ppbV	90
40) Dibromomethane	11.536	93	4197	0.102	ppbV #	99
41) 1,2-dichloropropane	11.564	63	2658	0.098	ppbV #	93
42) bromodichloromethane	11.790	83	6243	0.102	ppbV	99
43) 1,4-dioxane	11.903	88	1746	0.097	ppbV #	62
44) trichloroethene	11.847	130	5061	0.100	ppbV	99
45) 2,2,4-trimethylpentane	11.894	57	9293	0.115	ppbV	94
46) heptane	12.196	43	2766	0.111	ppbV	98
47) cis-1,3-dichloropropene	12.845	75	4250	0.091	ppbV	94
48) 4-methyl-2-pentanone	12.937	43	4037	0.100	ppbV	98
49) trans-1,3-dichloropropene	13.454	75	3257	0.088	ppbV #	89
50) 1,1,2-trichloroethane	13.654	97	4153	0.096	ppbV	99
52) toluene	13.979	91	11545	0.110	ppbV	100
54) 2-hexanone	14.330	43	3203	0.090	ppbV	90
55) dibromochloromethane	14.430	129	7637	0.110	ppbV	99
56) 1,2-dibromoethane	14.689	107	6546	0.101	ppbV	99
57) tetrachloroethene	15.147	166	7079	0.108	ppbV	98
58) 1,1,1,2-tetrachloroethane	15.760	131	5415	0.098	ppbV	97
59) chlorobenzene	15.778	112	9433	0.103	ppbV	98
60) ethylbenzene	16.108	91	13616	0.099	ppbV	100
61) m+p-xylene	16.265	91	20734M6	0.202	ppbV	
62) bromoform	16.335	173	6745	0.103	ppbV	98
63) styrene	16.578	104	7643	0.094	ppbV	97
64) 1,1,2,2-tetrachloroethane	16.665	83	7755	0.100	ppbV	98
65) o-xylene	16.665	91	10582	0.103	ppbV	98
66) 1,2,3-Trichloropropane	16.779	75	5579	0.105	ppbV	98
68) isopropylbenzene	17.162	105	15114	0.103	ppbV	98
69) Bromobenzene	17.231	77	6759	0.105	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236983.D
Acq On : 21 Nov 2025 09:58 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.1
Misc : WG2145606
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 10:13:03 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

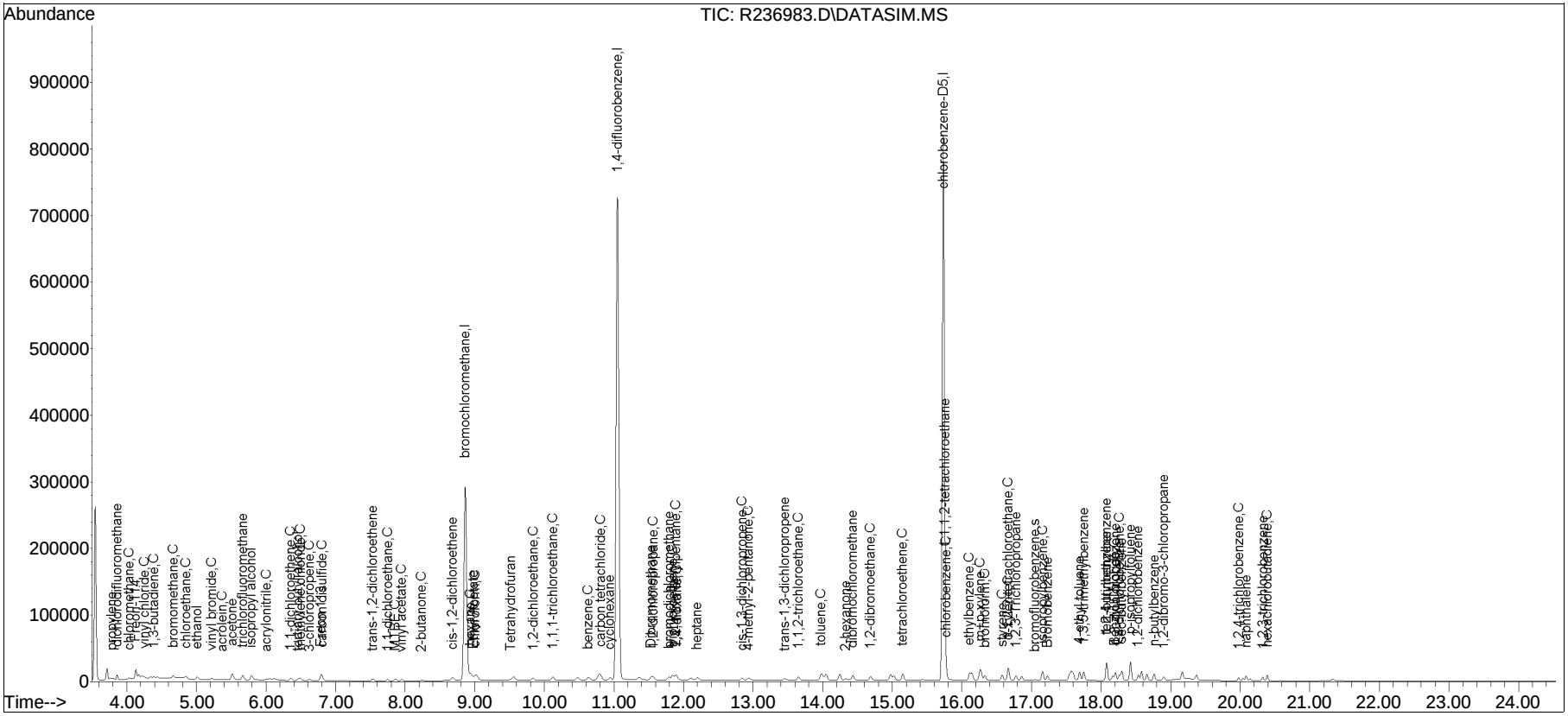
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.693	105	13585	0.106	ppbV	97
71) 1,3,5-trimethylbenzene	17.754	105	11838	0.103	ppbV	98
72) tert-butylbenzene	18.079	119	14353	0.104	ppbV	100
73) 1,2,4-trimethylbenzene	18.079	105	12162	0.098	ppbV	94
74) Benzyl Chloride	18.198	91	5744	0.068	ppbV	98
75) 1,3-dichlorobenzene	18.206	146	9967	0.100	ppbV	94
76) 1,4-dichlorobenzene	18.262	146	9474	0.096	ppbV	95
77) sec-butylbenzene	18.294	105	18168	0.104	ppbV	95
78) p-isopropyltoluene	18.422	119	16531	0.098	ppbV	97
79) 1,2-dichlorobenzene	18.534	146	9595	0.100	ppbV	95
80) n-butylbenzene	18.765	91	12783	0.093	ppbV	96
81) 1,2-dibromo-3-chloropr...	18.901	75	3321	0.088	ppbV	95
82) 1,2,4-trichlorobenzene	19.981	180	7361	0.081	ppbV	99
83) naphthalene	20.086	128	13781	0.071	ppbV	98
84) 1,2,3-trichlorobenzene	20.325	180	7595	0.084	ppbV	99
85) hexachlorobutadiene	20.390	225	7415	0.098	ppbV	98

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

Sub List : Default - All compounds listed1\1121SIM_I\R236987.D

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236983.D
Acq On : 21 Nov 2025 09:58 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.1
Misc : WG2145606
ALS Vial : 5 Sample Multiplier: 1

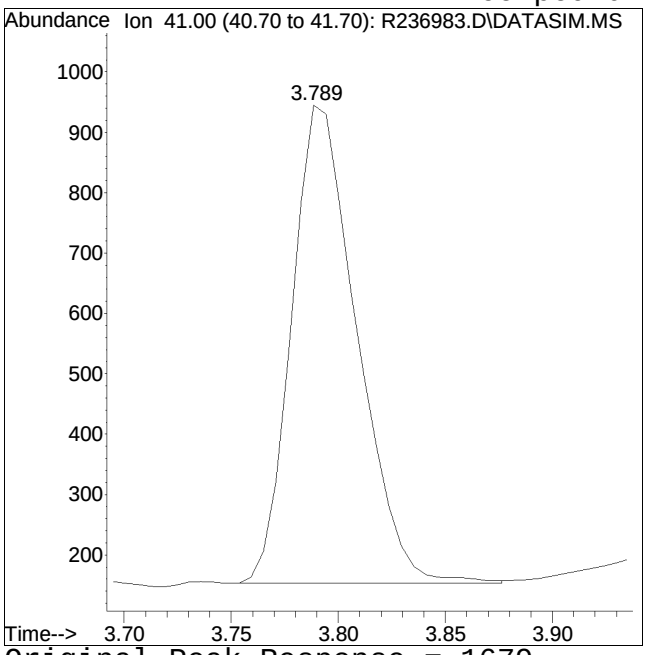
Quant Time: Nov 22 10:13:03 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration



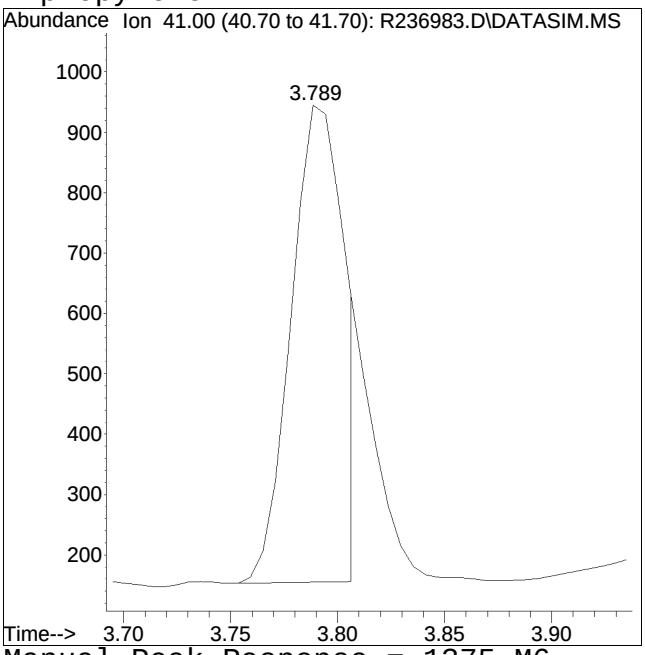
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236983.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 9:58 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD0.1 Quant Date : 11/22/2025 10:13 am

Compound #2: propylene



Original Peak Response = 1679



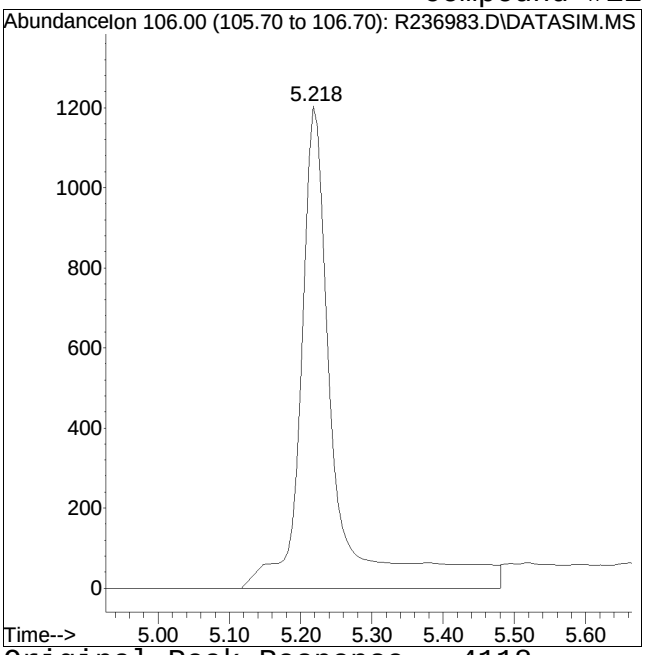
Manual Peak Response = 1375 M6

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

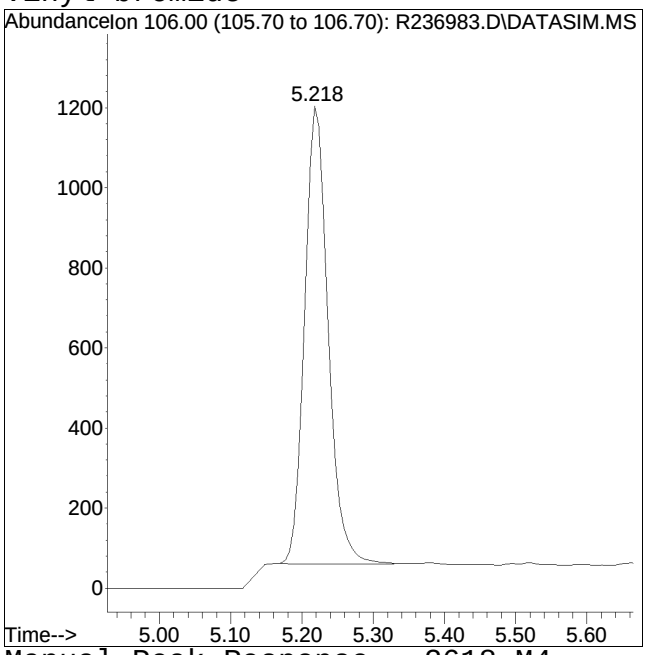
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236983.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 9:58 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD0.1 Quant Date : 11/22/2025 10:13 am

Compound #11: vinyl bromide



Original Peak Response = 4118



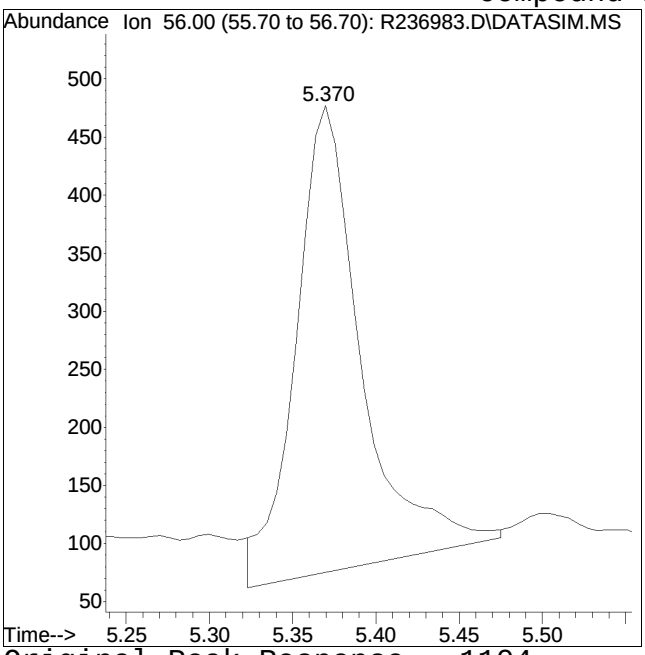
Manual Peak Response = 2618 M4

M4 = Poor automated baseline construction.

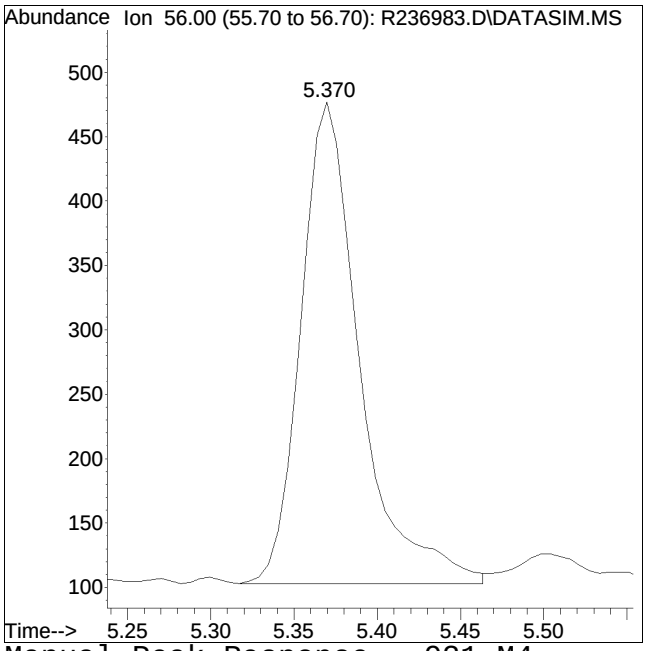
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236983.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 9:58 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD0.1 Quant Date : 11/22/2025 10:13 am

Compound #12: acrolein



Original Peak Response = 1104



Manual Peak Response = 921 M4

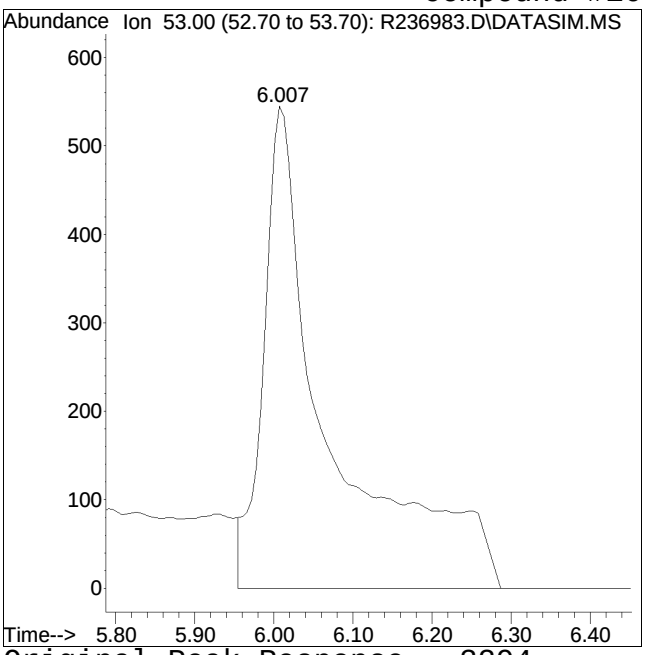
M4 = Poor automated baseline construction.

Manual Integration Report

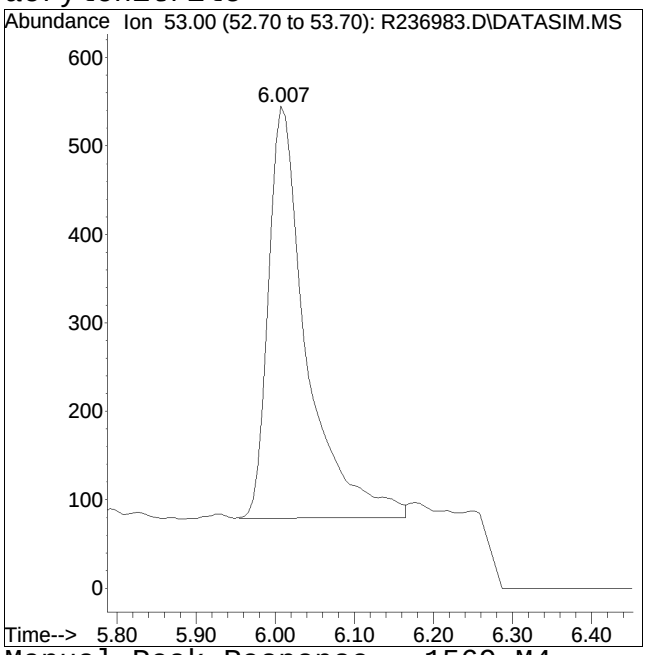
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R236983.D
Date Inj'd : 11/21/2025 9:58 pm
Sample : ITO15-SIMSTD0.1

Method : TSIM23_251121.M
Operator : AIRLAB23:BJB
Instrument : Airlab 23
Quant Date : 11/22/2025 10:13 am

Compound #16: acrylonitrile



Original Peak Response = 3294



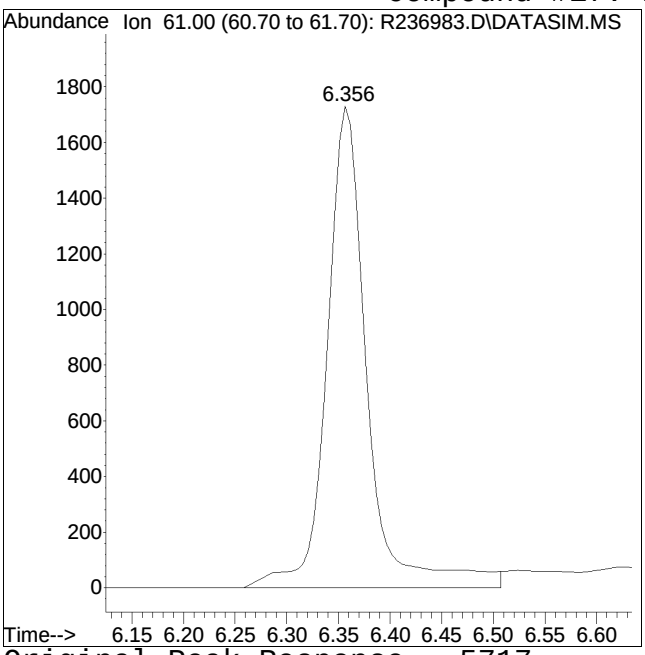
Manual Peak Response = 1569 M4

M4 = Poor automated baseline construction.

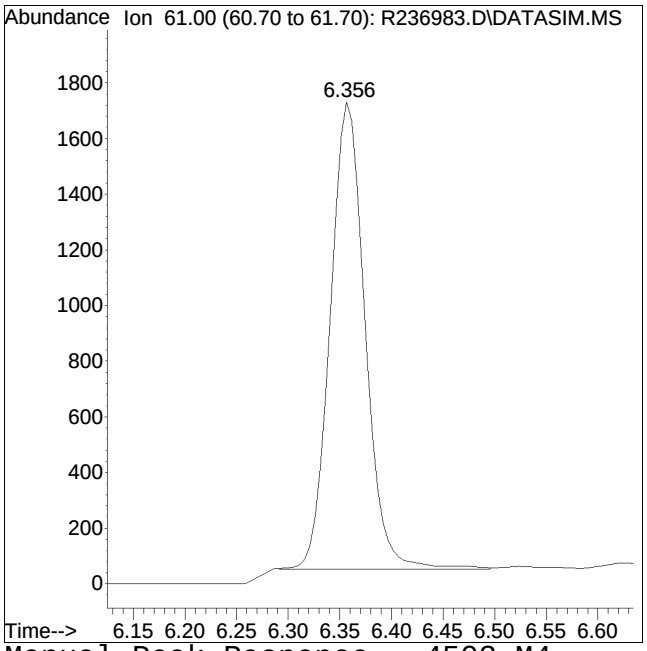
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236983.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 9:58 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD0.1 Quant Date : 11/22/2025 10:13 am

Compound #17: 1,1-dichloroethene



Original Peak Response = 5717



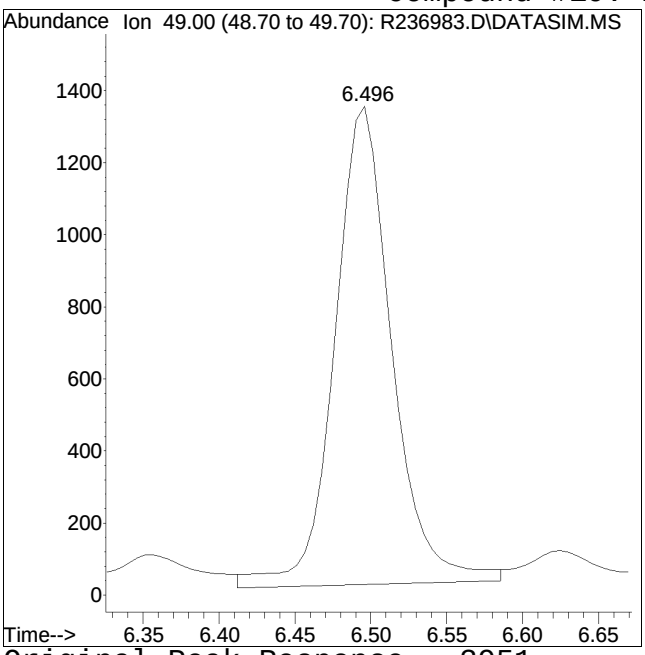
Manual Peak Response = 4503 M4

M4 = Poor automated baseline construction.

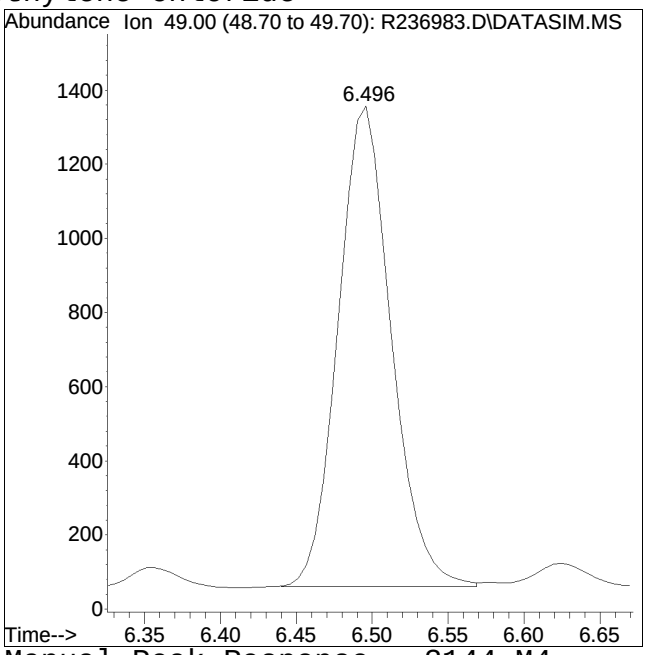
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236983.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 9:58 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD0.1 Quant Date : 11/22/2025 10:13 am

Compound #19: methylene chloride



Original Peak Response = 3951



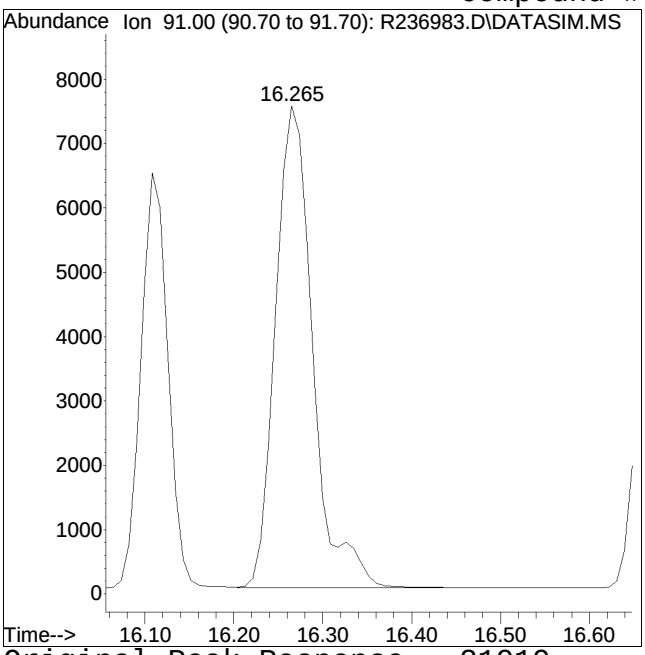
Manual Peak Response = 3144 M4

M4 = Poor automated baseline construction.

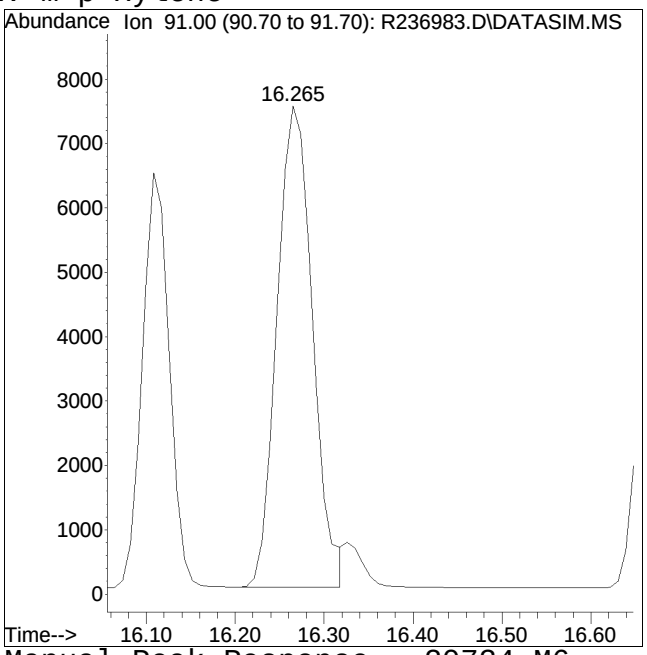
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236983.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 9:58 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD0.1 Quant Date : 11/22/2025 10:13 am

Compound #61: m+p-xylene



Original Peak Response = 21919



Manual Peak Response = 20734 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236984.D
Acq On : 21 Nov 2025 10:35 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.2
Misc : WG2145606
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 10:13:10 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.857	49	282424	10.000	ppbV	0.00
Standard Area = 243961			Recovery = 115.77%			
33) 1,4-difluorobenzene	11.049	114	1185990	10.000	ppbV	0.00
Standard Area = 1050358			Recovery = 112.91%			
51) chlorobenzene-D5	15.728	54	149734	10.000	ppbV	0.00
Standard Area = 140272			Recovery = 106.75%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.712	65	323083	10.163	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.63%			
53) toluene-D8	13.857	98	924302	10.180	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.80%			
67) bromofluorobenzene	17.042	95	525469	9.629	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.29%			
Target Compounds						Qvalue
2) propylene	3.789	41	2775M6	0.274	ppbV	
3) dichlorodifluoromethane	3.859	85	17683	0.229	ppbV	100
4) chloromethane	4.029	50	5034	0.250	ppbV	97
5) Freon-114	4.128	85	21691	0.237	ppbV	100
6) vinyl chloride	4.251	62	6570	0.243	ppbV	97
7) 1,3-butadiene	4.386	54	3944	0.257	ppbV	88
8) bromomethane	4.667	94	7622	0.227	ppbV	99
9) chloroethane	4.842	64	3743	0.240	ppbV	96
10) ethanol	5.000	31	11727	1.131	ppbV	98
11) vinyl bromide	5.218	106	5772M4	0.219	ppbV	
12) acrolein	5.358	56	1948M4	0.227	ppbV	
13) acetone	5.499	43	31618	1.304	ppbV #	98
14) trichlorofluoromethane	5.662	101	18265	0.228	ppbV	99
15) isopropyl alcohol	5.779	45	15895	0.632	ppbV #	97
16) acrylonitrile	5.995	53	3249M4	0.226	ppbV	
17) 1,1-dichloroethene	6.355	61	9930M4	0.212	ppbV	
18) tertiary butyl alcohol	6.445	59	10463M4	0.271	ppbV	
19) methylene chloride	6.490	49	5879M4	0.255	ppbV	
20) 3-chloropropene	6.625	41	3933	0.238	ppbV	98
21) carbon disulfide	6.798	76	15133	0.250	ppbV #	77
22) Freon 113	6.793	101	14851	0.235	ppbV	100
23) trans-1,2-dichloroethene	7.533	61	7087	0.240	ppbV	98
24) 1,1-dichloroethane	7.749	63	9809	0.223	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236984.D
Acq On : 21 Nov 2025 10:35 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.2
Misc : WG2145606
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 10:13:10 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	7.841	73	14281	0.243	ppbV		95
26) vinyl acetate	7.944	43	8637	0.289	ppbV		98
27) 2-butanone	8.221	43	7515	0.237	ppbV	#	98
28) cis-1,2-dichloroethene	8.677	61	7408	0.217	ppbV		97
29) Ethyl Acetate	8.979	61	1261	0.213	ppbV	#	27
30) chloroform	9.011	83	14005	0.224	ppbV		99
31) Tetrahydrofuran	9.500	42	3936	0.275	ppbV		97
32) 1,2-dichloroethane	9.835	62	8033	0.216	ppbV		97
34) hexane	8.930	57	6394	0.253	ppbV	#	44
36) 1,1,1-trichloroethane	10.120	97	15181	0.196	ppbV		99
37) benzene	10.635	78	18256	0.224	ppbV		98
38) carbon tetrachloride	10.804	117	17048	0.225	ppbV		100
39) cyclohexane	10.946	56	6490	0.251	ppbV		97
40) Dibromomethane	11.530	93	8812	0.223	ppbV	#	99
41) 1,2-dichloropropane	11.568	63	5777	0.221	ppbV		97
42) bromodichloromethane	11.785	83	13696	0.232	ppbV		98
43) 1,4-dioxane	11.879	88	4040	0.234	ppbV	#	66
44) trichloroethene	11.841	130	10824	0.222	ppbV		99
45) 2,2,4-trimethylpentane	11.888	57	20088	0.259	ppbV		98
46) heptane	12.199	43	5826	0.242	ppbV		98
47) cis-1,3-dichloropropene	12.839	75	9214	0.206	ppbV		97
48) 4-methyl-2-pentanone	12.914	43	8625	0.222	ppbV		99
49) trans-1,3-dichloropropene	13.457	75	7149	0.201	ppbV		96
50) 1,1,2-trichloroethane	13.657	97	8929	0.215	ppbV		99
52) toluene	13.974	91	23389	0.233	ppbV		100
54) 2-hexanone	14.307	43	7063	0.207	ppbV		91
55) dibromochloromethane	14.433	129	16027	0.242	ppbV		100
56) 1,2-dibromoethane	14.691	107	13907	0.226	ppbV		100
57) tetrachloroethene	15.150	166	14812	0.235	ppbV		98
58) 1,1,1,2-tetrachloroethane	15.763	131	11568	0.220	ppbV		98
59) chlorobenzene	15.771	112	20239	0.231	ppbV		99
60) ethylbenzene	16.111	91	29362	0.222	ppbV		99
61) m+p-xylene	16.259	91	44646M6	0.456	ppbV		
62) bromoform	16.329	173	14507	0.233	ppbV		100
63) styrene	16.572	104	16264	0.210	ppbV		98
64) 1,1,2,2-tetrachloroethane	16.659	83	16493	0.222	ppbV		100
65) o-xylene	16.659	91	22517	0.228	ppbV		97
66) 1,2,3-Trichloropropane	16.773	75	11757	0.232	ppbV		98
68) isopropylbenzene	17.156	105	31127	0.222	ppbV		99
69) Bromobenzene	17.225	77	13897	0.225	ppbV		97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236984.D
Acq On : 21 Nov 2025 10:35 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.2
Misc : WG2145606
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 10:13:10 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

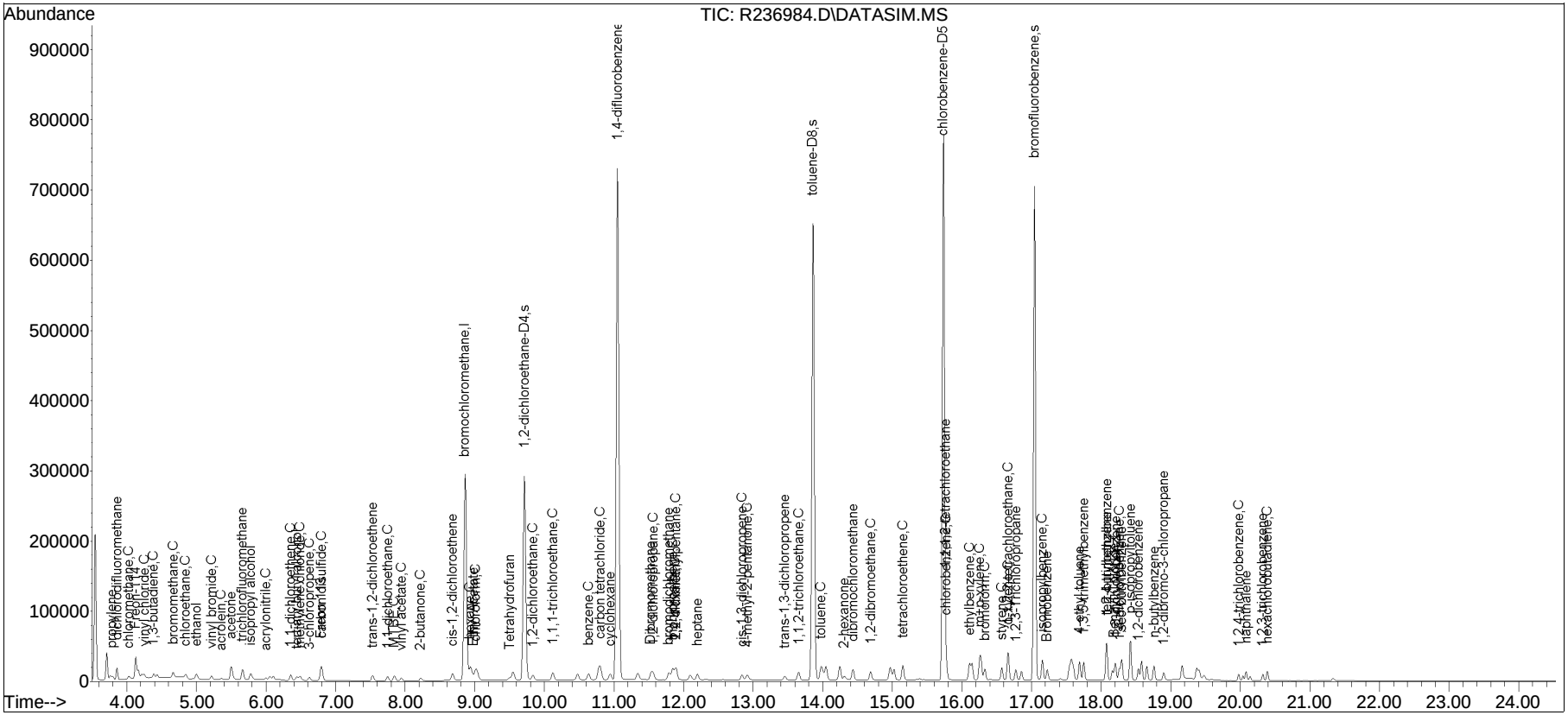
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.687	105	28938	0.236	ppbV	97
71) 1,3,5-trimethylbenzene	17.748	105	23717	0.216	ppbV	96
72) tert-butylbenzene	18.081	119	28701	0.218	ppbV	100
73) 1,2,4-trimethylbenzene	18.081	105	24937	0.211	ppbV	97
74) Benzyl Chloride	18.193	91	12881	0.159	ppbV	99
75) 1,3-dichlorobenzene	18.209	146	20294	0.214	ppbV	99
76) 1,4-dichlorobenzene	18.265	146	19720	0.209	ppbV	99
77) sec-butylbenzene	18.297	105	37383	0.224	ppbV	99
78) p-isopropyltoluene	18.425	119	33972	0.210	ppbV	99
79) 1,2-dichlorobenzene	18.536	146	18973	0.208	ppbV	99
80) n-butylbenzene	18.760	91	26267	0.201	ppbV	98
81) 1,2-dibromo-3-chloropr...	18.896	75	6358	0.176	ppbV	94
82) 1,2,4-trichlorobenzene	19.977	180	11918	0.137	ppbV	99
83) naphthalene	20.083	128	22365	0.121	ppbV	99
84) 1,2,3-trichlorobenzene	20.322	180	11396	0.132	ppbV	99
85) hexachlorobutadiene	20.386	225	11695	0.162	ppbV	98

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

Sub List : Default - All compounds listed1\1121SIM_I\R236987.D

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236984.D
Acq On : 21 Nov 2025 10:35 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.2
Misc : WG2145606
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 10:13:10 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

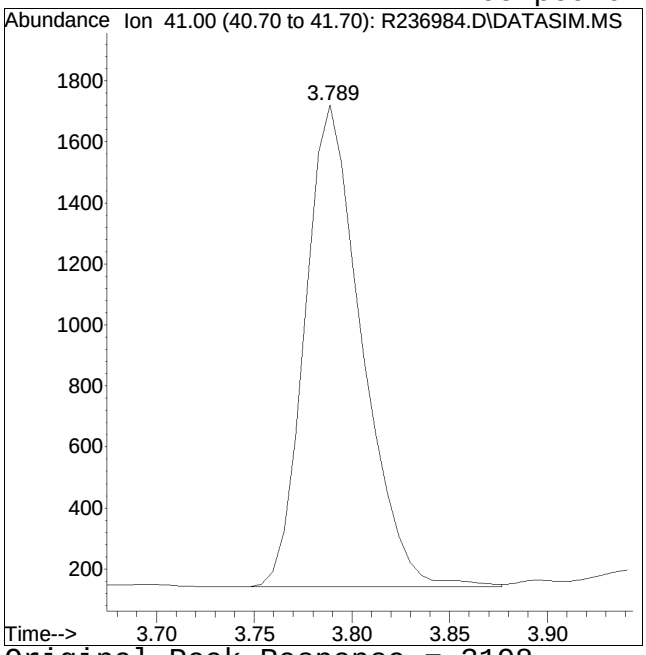


Manual Integration Report

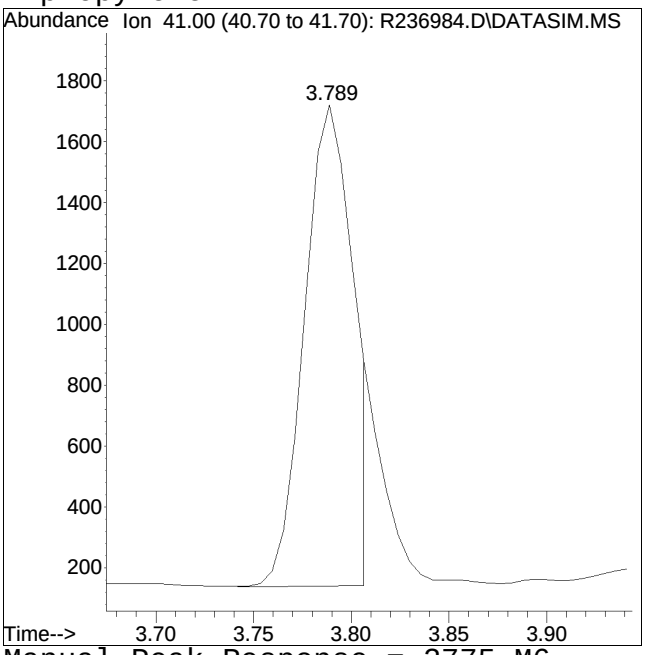
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R236984.D
Date Inj'd : 11/21/2025 10:35 pm
Sample : ITO15-SIMSTD0.2

Method : TSIM23_251121.M
Operator : AIRLAB23:BJB
Instrument : Airlab 23
Quant Date : 11/22/2025 10:13 am

Compound #2: propylene



Original Peak Response = 3198



Manual Peak Response = 2775 M6

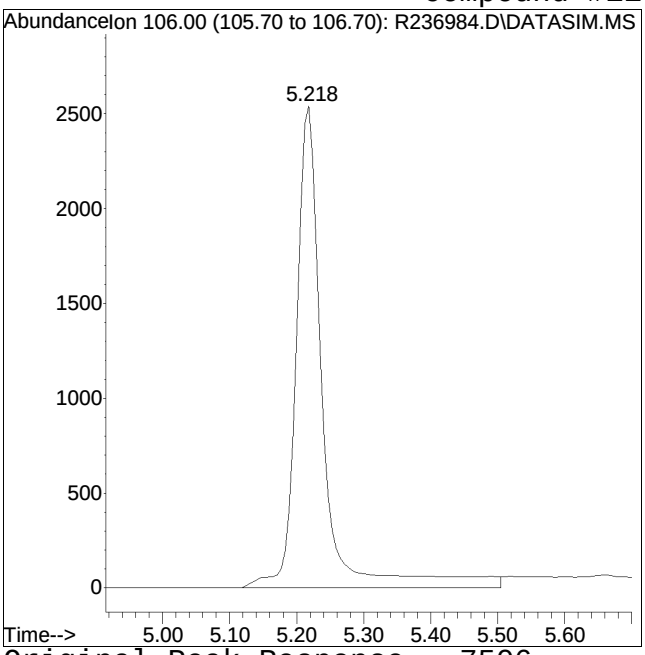
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

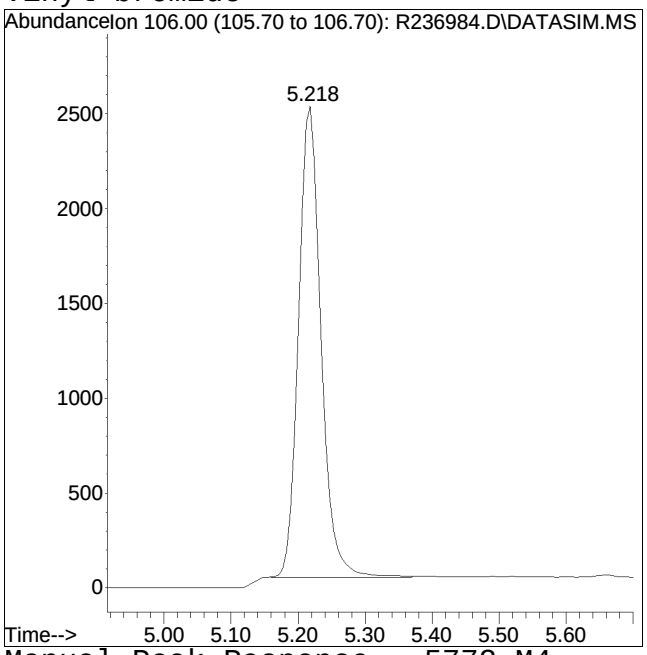
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R236984.D
Date Inj'd : 11/21/2025 10:35 pm
Sample : ITO15-SIMSTD0.2

Method : TSIM23_251121.M
Operator : AIRLAB23:BJB
Instrument : Airlab 23
Quant Date : 11/22/2025 10:13 am

Compound #11: vinyl bromide



Original Peak Response = 7506



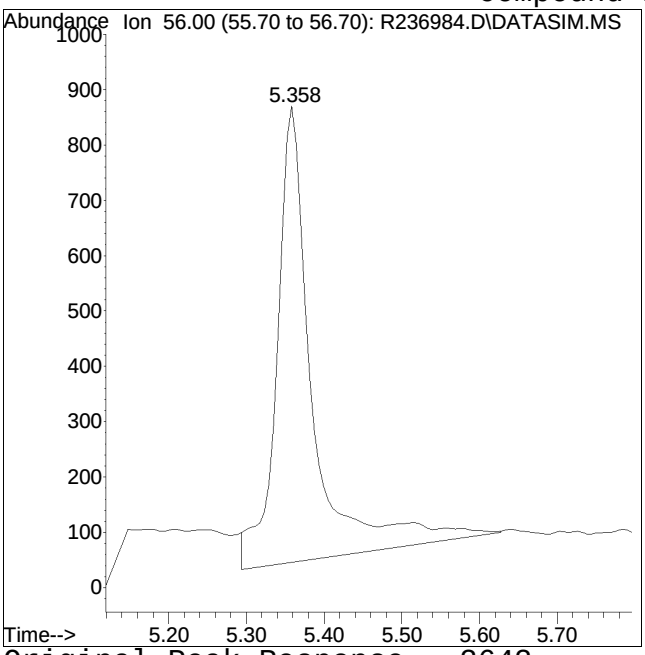
Manual Peak Response = 5772 M4

M4 = Poor automated baseline construction.

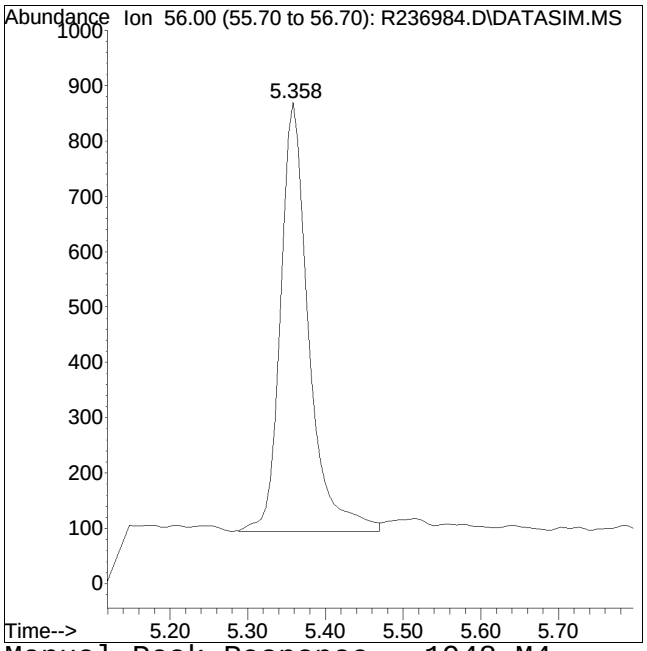
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236984.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 10:35 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD0.2 Quant Date : 11/22/2025 10:13 am

Compound #12: acrolein



Original Peak Response = 2642



Manual Peak Response = 1948 M4

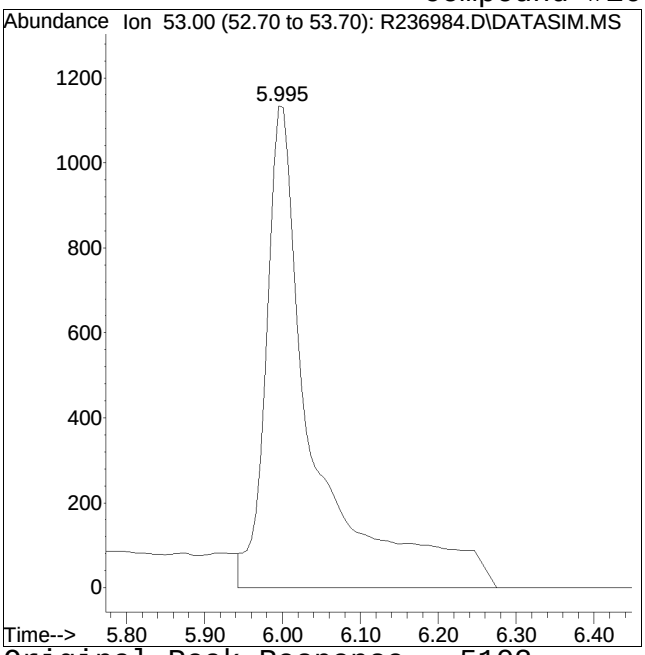
M4 = Poor automated baseline construction.

Manual Integration Report

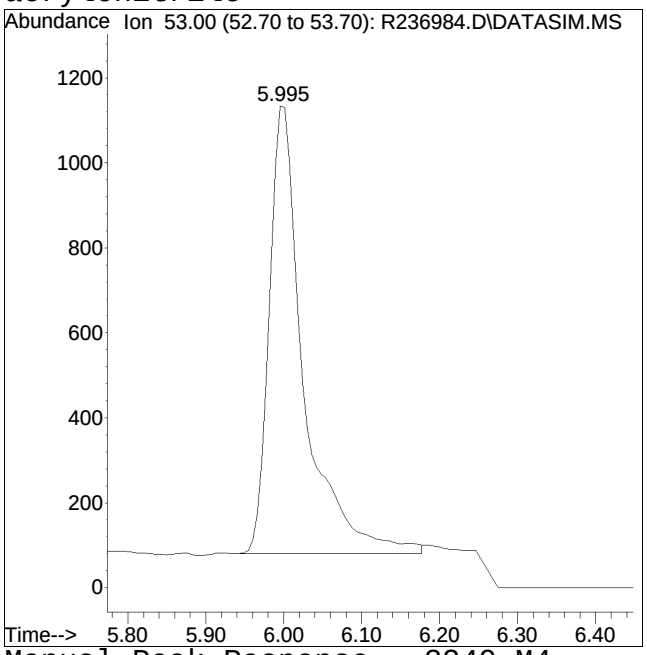
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R236984.D
Date Inj'd : 11/21/2025 10:35 pm
Sample : ITO15-SIMSTD0.2

Method : TSIM23_251121.M
Operator : AIRLAB23:BJB
Instrument : Airlab 23
Quant Date : 11/22/2025 10:13 am

Compound #16: acrylonitrile



Original Peak Response = 5102



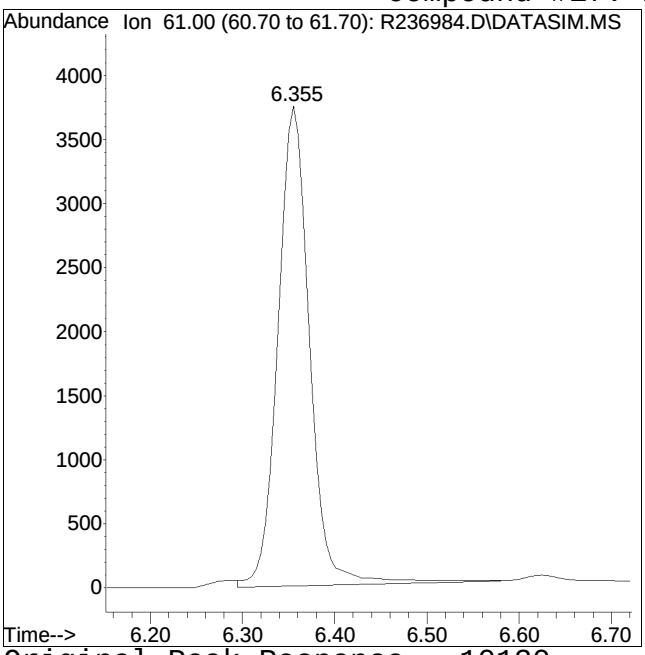
Manual Peak Response = 3249 M4

M4 = Poor automated baseline construction.

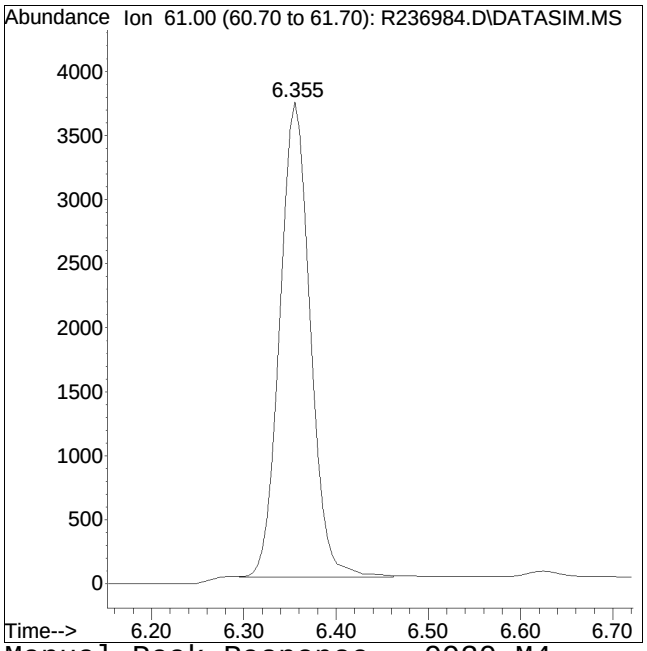
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236984.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 10:35 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD0.2 Quant Date : 11/22/2025 10:13 am

Compound #17: 1,1-dichloroethene



Original Peak Response = 10130



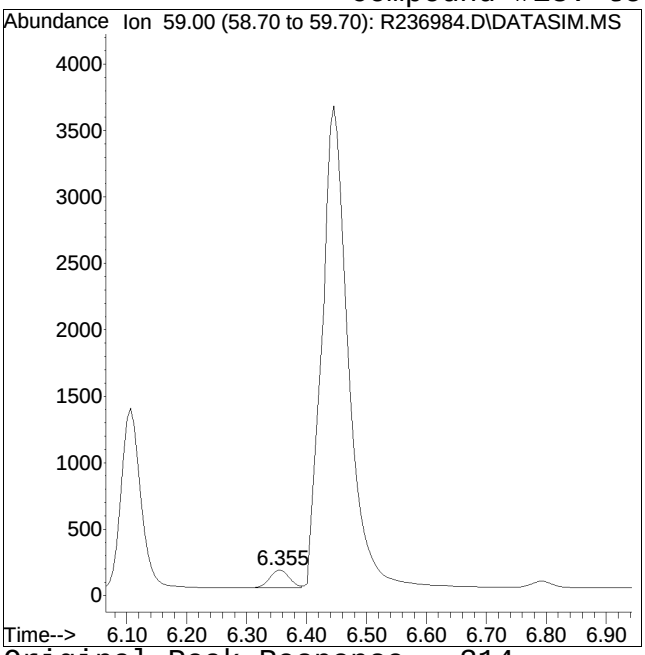
Manual Peak Response = 9930 M4

M4 = Poor automated baseline construction.

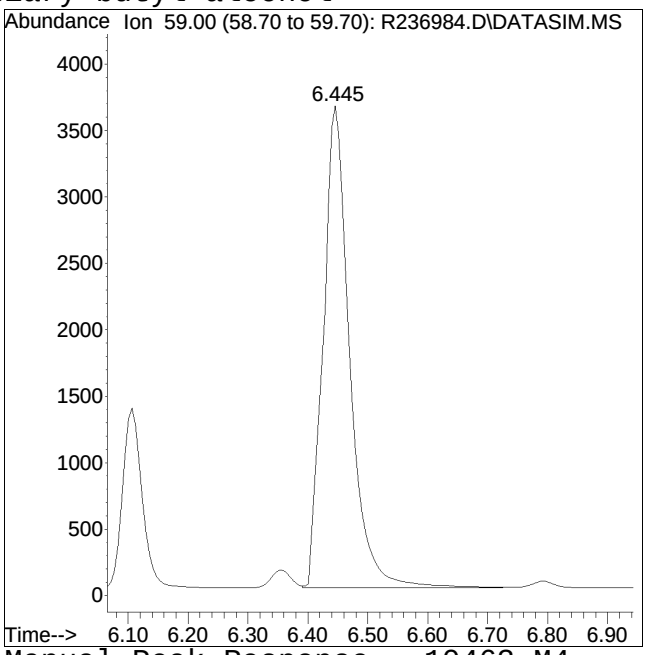
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236984.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 10:35 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD0.2 Quant Date : 11/22/2025 10:13 am

Compound #18: tertiary butyl alcohol



Original Peak Response = 314



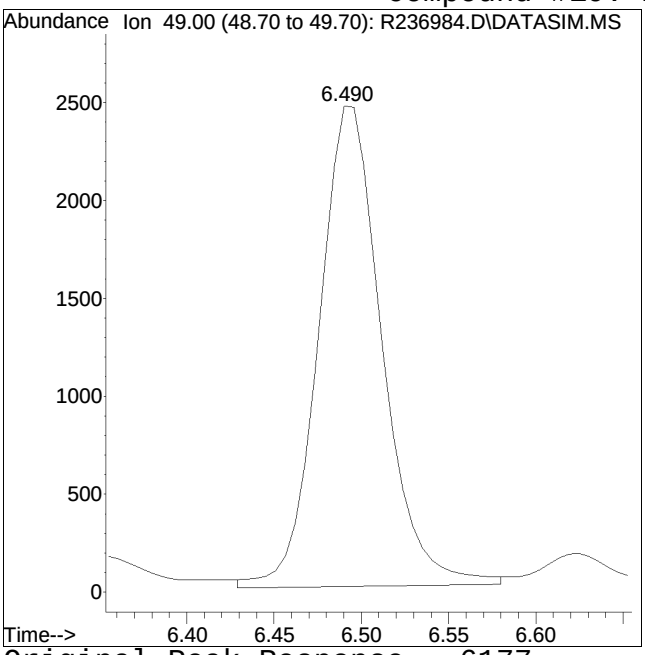
Manual Peak Response = 10463 M4

M4 = Poor automated baseline construction.

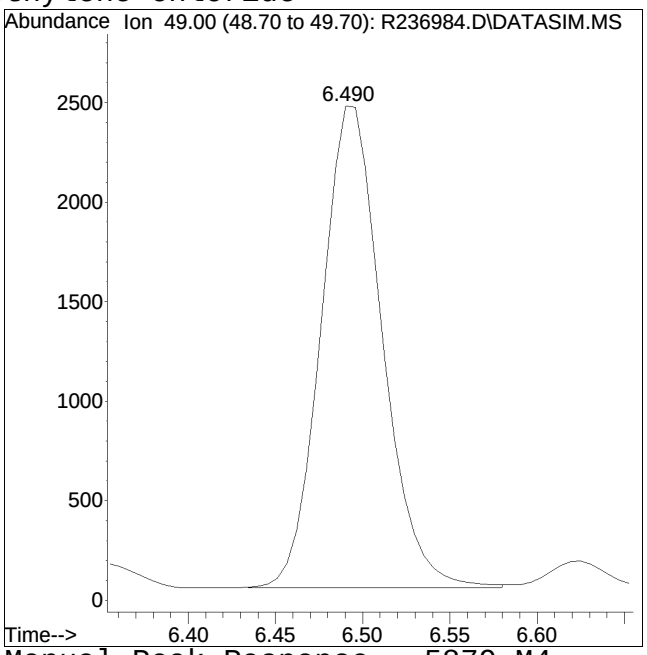
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236984.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 10:35 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD0.2 Quant Date : 11/22/2025 10:13 am

Compound #19: methylene chloride



Original Peak Response = 6177



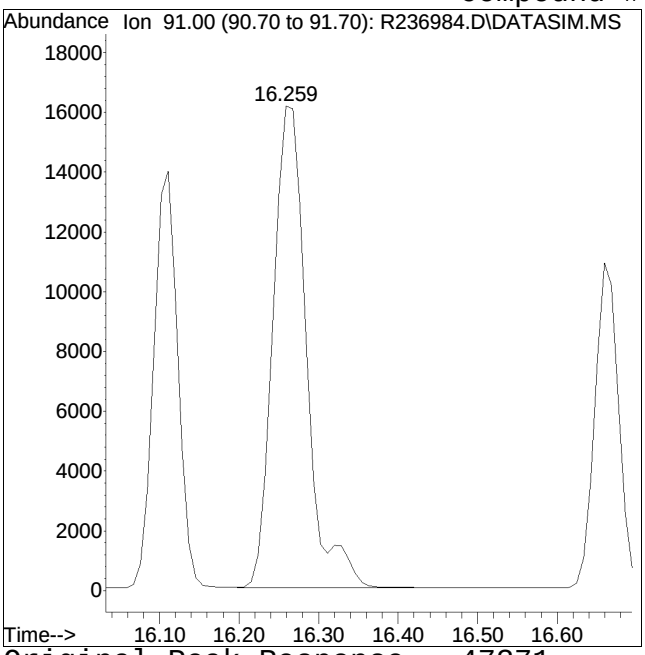
Manual Peak Response = 5879 M4

M4 = Poor automated baseline construction.

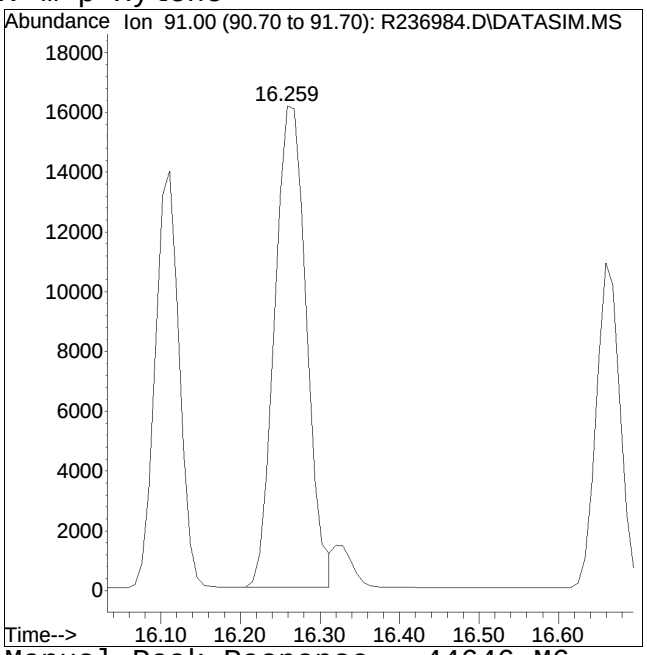
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236984.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 10:35 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD0.2 Quant Date : 11/22/2025 10:13 am

Compound #61: m+p-xylene



Original Peak Response = 47371



Manual Peak Response = 44646 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236985.D
Acq On : 21 Nov 2025 11:14 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.5
Misc : WG2145606
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 10:13:17 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.862	49	266382	10.000	ppbV	0.00
Standard Area = 243961			Recovery = 109.19%			
33) 1,4-difluorobenzene	11.055	114	1164944	10.000	ppbV	0.00
Standard Area = 1050358			Recovery = 110.91%			
51) chlorobenzene-D5	15.734	54	149629	10.000	ppbV	0.00
Standard Area = 140272			Recovery = 106.67%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.710	65	309575	9.914	ppbV	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.14%			
53) toluene-D8	13.863	98	920275	10.142	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.42%			
67) bromofluorobenzene	17.040	95	547638	10.042	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.42%			
Target Compounds						Qvalue
2) propylene	3.788	41	5649M6	0.592	ppbV	
3) dichlorodifluoromethane	3.859	85	39221	0.538	ppbV	100
4) chloromethane	4.028	50	10901	0.574	ppbV	99
5) Freon-114	4.128	85	49115	0.569	ppbV	99
6) vinyl chloride	4.245	62	14738	0.579	ppbV	99
7) 1,3-butadiene	4.385	54	9053	0.626	ppbV	99
8) bromomethane	4.661	94	17791	0.561	ppbV	100
9) chloroethane	4.842	64	8385	0.570	ppbV	99
10) ethanol	4.983	31	26714	2.732	ppbV	99
11) vinyl bromide	5.212	106	15423	0.622	ppbV	100
12) acrolein	5.352	56	4334M4	0.535	ppbV	
13) acetone	5.487	43	70941	3.101	ppbV #	99
14) trichlorofluoromethane	5.662	101	42406	0.561	ppbV	100
15) isopropyl alcohol	5.761	45	36858	1.554	ppbV	99
16) acrylonitrile	5.989	53	6975M6	0.515	ppbV	
17) 1,1-dichloroethene	6.351	61	25246	0.572	ppbV	99
18) tertiary butyl alcohol	6.440	59	14832	0.407	ppbV #	89
19) methylene chloride	6.490	49	15052	0.692	ppbV	99
20) 3-chloropropene	6.619	41	9228	0.593	ppbV	99
21) carbon disulfide	6.798	76	35347	0.618	ppbV #	91
22) Freon 113	6.793	101	34271	0.575	ppbV	99
23) trans-1,2-dichloroethene	7.527	61	16706	0.600	ppbV	99
24) 1,1-dichloroethane	7.750	63	23098	0.557	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236985.D
Acq On : 21 Nov 2025 11:14 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.5
Misc : WG2145606
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 10:13:17 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	7.831	73	33657	0.607	ppbV		98
26) vinyl acetate	7.939	43	21517	0.763	ppbV		100
27) 2-butanone	8.204	43	17701	0.591	ppbV		99
28) cis-1,2-dichloroethene	8.683	61	17769	0.552	ppbV		100
29) Ethyl Acetate	8.960	61	3186	0.570	ppbV		68
30) chloroform	9.009	83	33322	0.565	ppbV		99
31) Tetrahydrofuran	9.482	42	9199	0.681	ppbV		99
32) 1,2-dichloroethane	9.832	62	19083	0.545	ppbV		98
34) hexane	8.935	57	15110	0.609	ppbV	#	73
36) 1,1,1-trichloroethane	10.125	97	36424	0.478	ppbV		97
37) benzene	10.631	78	43684	0.545	ppbV		99
38) carbon tetrachloride	10.810	117	40726	0.547	ppbV		99
39) cyclohexane	10.942	56	15419	0.608	ppbV		97
40) Dibromomethane	11.536	93	20965	0.539	ppbV	#	100
41) 1,2-dichloropropane	11.564	63	13904	0.542	ppbV		98
42) bromodichloromethane	11.790	83	33125	0.571	ppbV		99
43) 1,4-dioxane	11.866	88	9667	0.570	ppbV	#	82
44) trichloroethene	11.847	130	25805	0.539	ppbV		99
45) 2,2,4-trimethylpentane	11.884	57	48178	0.632	ppbV		99
46) heptane	12.196	43	14004	0.592	ppbV		98
47) cis-1,3-dichloropropene	12.837	75	22471	0.511	ppbV		99
48) 4-methyl-2-pentanone	12.895	43	21182	0.556	ppbV		99
49) trans-1,3-dichloropropene	13.454	75	17518	0.501	ppbV		99
50) 1,1,2-trichloroethane	13.654	97	21650	0.531	ppbV		99
52) toluene	13.979	91	55733	0.556	ppbV		100
54) 2-hexanone	14.288	43	18547	0.544	ppbV		92
55) dibromochloromethane	14.430	129	38687	0.585	ppbV		100
56) 1,2-dibromoethane	14.688	107	33700	0.547	ppbV		100
57) tetrachloroethene	15.147	166	35632	0.567	ppbV		98
58) 1,1,1,2-tetrachloroethane	15.760	131	27915	0.531	ppbV		98
59) chlorobenzene	15.777	112	48740	0.556	ppbV		97
60) ethylbenzene	16.108	91	71111	0.539	ppbV		99
61) m+p-xylene	16.265	91	108728M6	1.111	ppbV		
62) bromoform	16.326	173	35446	0.569	ppbV		100
63) styrene	16.570	104	40209	0.519	ppbV		99
64) 1,1,2,2-tetrachloroethane	16.657	83	40401	0.545	ppbV		98
65) o-xylene	16.657	91	54489	0.553	ppbV		98
66) 1,2,3-Trichloropropane	16.770	75	28160	0.556	ppbV		99
68) isopropylbenzene	17.153	105	74640	0.533	ppbV		99
69) Bromobenzene	17.222	77	33195	0.537	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236985.D
Acq On : 21 Nov 2025 11:14 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.5
Misc : WG2145606
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 10:13:17 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

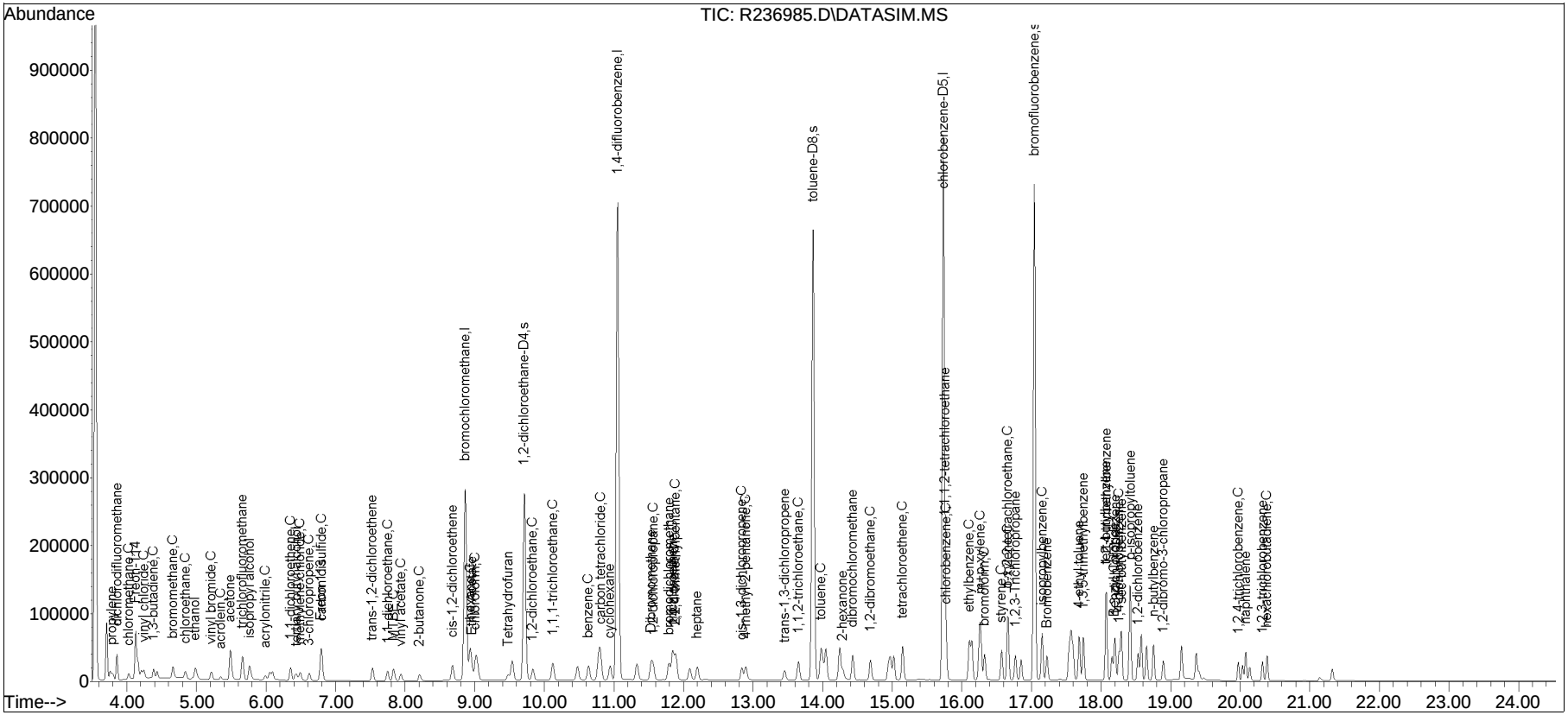
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.684	105	71647	0.584	ppbV	97
71) 1,3,5-trimethylbenzene	17.745	105	57916	0.528	ppbV	97
72) tert-butylbenzene	18.071	119	69900	0.530	ppbV	98
73) 1,2,4-trimethylbenzene	18.079	105	61031	0.516	ppbV	98
74) Benzyl Chloride	18.190	91	34586	0.427	ppbV	99
75) 1,3-dichlorobenzene	18.206	146	49805	0.525	ppbV	99
76) 1,4-dichlorobenzene	18.262	146	48564	0.515	ppbV	99
77) sec-butylbenzene	18.294	105	91926	0.550	ppbV	100
78) p-isopropyltoluene	18.422	119	83593	0.518	ppbV	99
79) 1,2-dichlorobenzene	18.534	146	46694	0.511	ppbV	99
80) n-butylbenzene	18.757	91	66172	0.506	ppbV	96
81) 1,2-dibromo-3-chloropr...	18.893	75	16438	0.455	ppbV	96
82) 1,2,4-trichlorobenzene	19.975	180	33555	0.387	ppbV	100
83) naphthalene	20.080	128	68836	0.372	ppbV	100
84) 1,2,3-trichlorobenzene	20.319	180	33903	0.393	ppbV	100
85) hexachlorobutadiene	20.384	225	32301	0.447	ppbV	98

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

Sub List : Default - All compounds listed1\1121SIM_I\R236987.D

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236985.D
Acq On : 21 Nov 2025 11:14 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.5
Misc : WG2145606
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 10:13:17 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

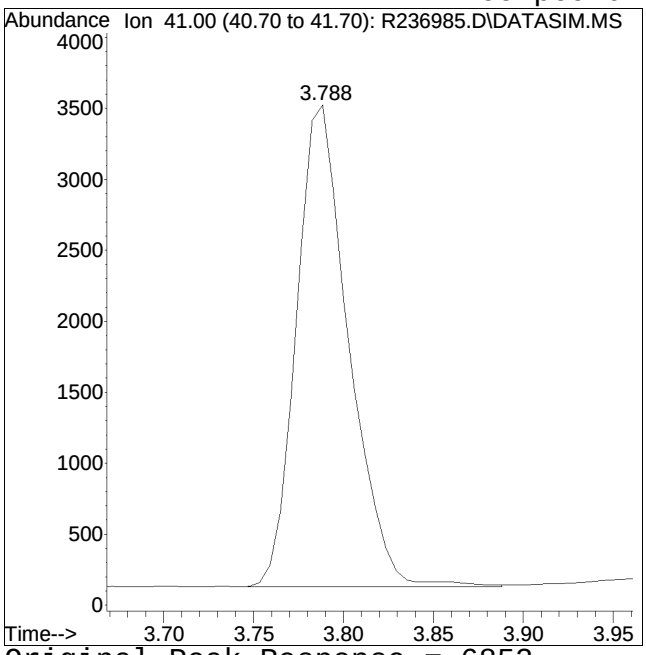


Manual Integration Report

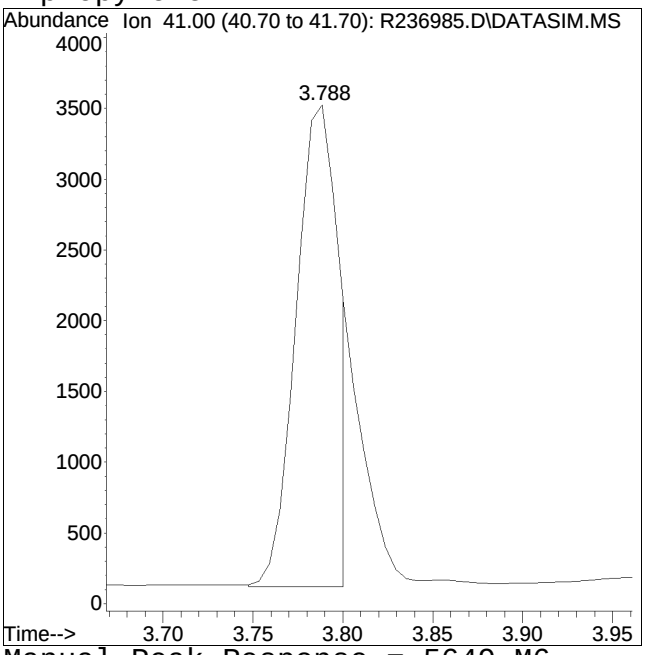
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R236985.D
Date Inj'd : 11/21/2025 11:14 pm
Sample : ITO15-SIMSTD0.5

Method : TSIM23_251121.M
Operator : AIRLAB23:BJB
Instrument : Airlab 23
Quant Date : 11/22/2025 10:13 am

Compound #2: propylene



Original Peak Response = 6852



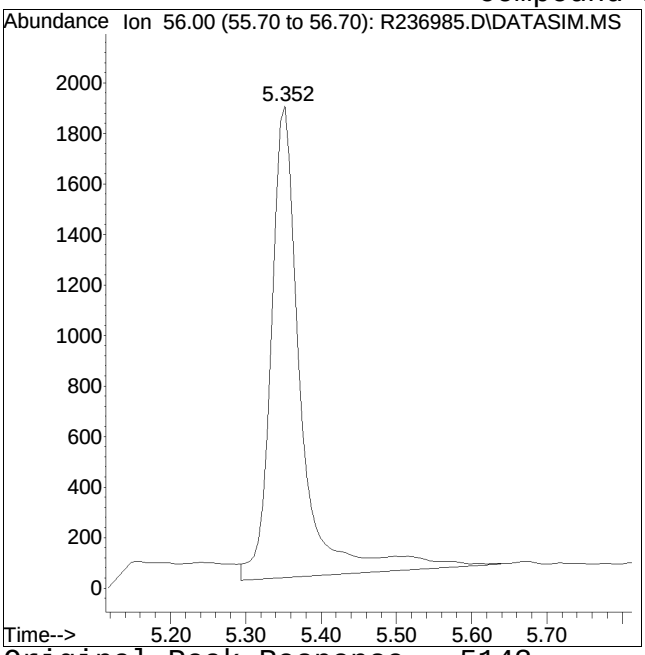
Manual Peak Response = 5649 M6

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

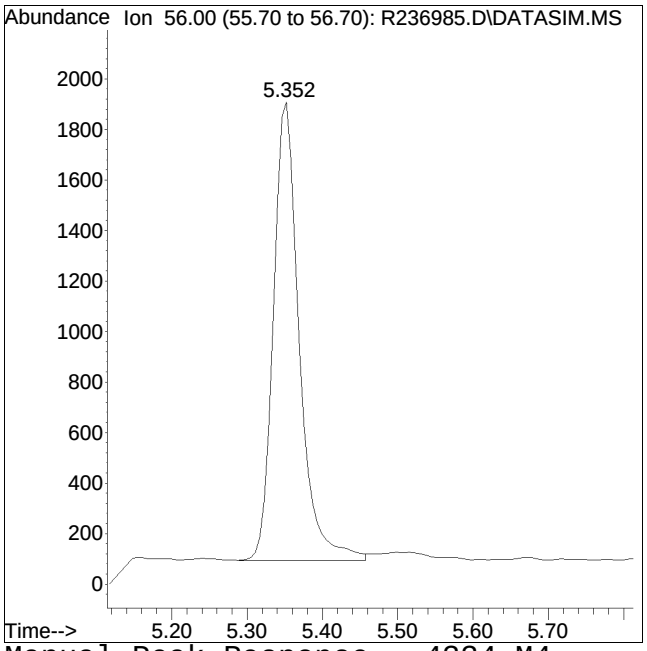
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236985.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 11:14 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD0.5 Quant Date : 11/22/2025 10:13 am

Compound #12: acrolein



Original Peak Response = 5143



Manual Peak Response = 4334 M4

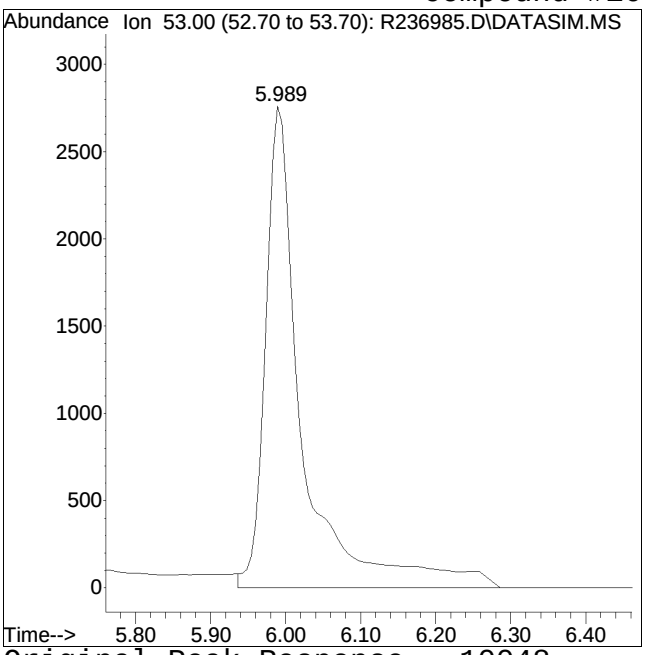
M4 = Poor automated baseline construction.

Manual Integration Report

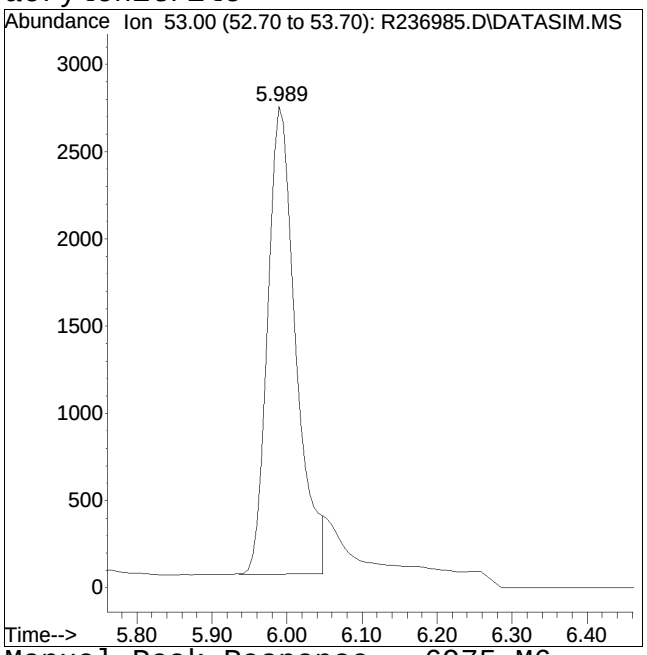
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R236985.D
Date Inj'd : 11/21/2025 11:14 pm
Sample : ITO15-SIMSTD0.5

Method : TSIM23_251121.M
Operator : AIRLAB23:BJB
Instrument : Airlab 23
Quant Date : 11/22/2025 10:13 am

Compound #16: acrylonitrile



Original Peak Response = 10048



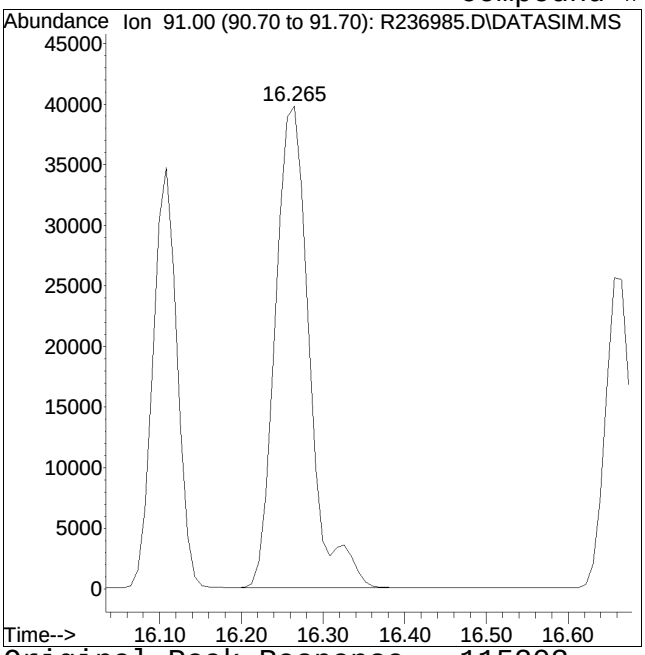
Manual Peak Response = 6975 M6

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

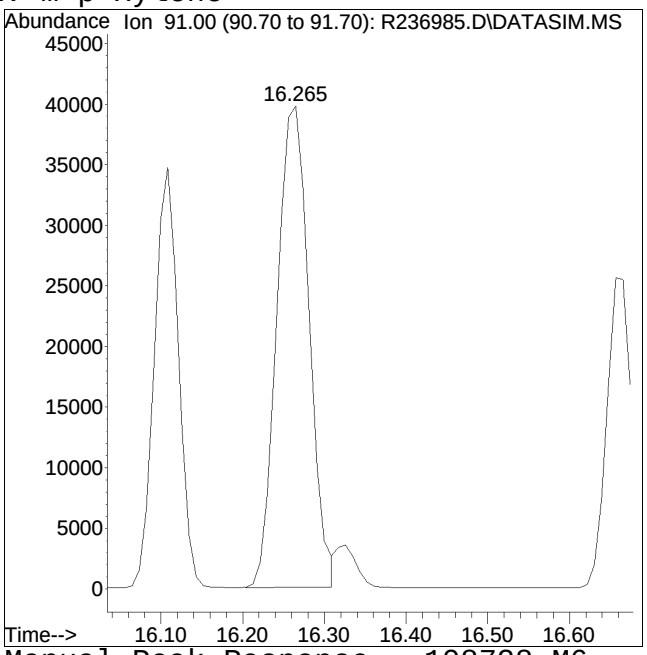
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236985.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 11:14 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD0.5 Quant Date : 11/22/2025 10:13 am

Compound #61: m+p-xylene



Original Peak Response = 115203



Manual Peak Response = 108728 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236986.D
Acq On : 21 Nov 2025 11:55 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD1.0
Misc : WG2145606
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 10:13:24 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.860	49	264192	10.000	ppbV	0.00
Standard Area = 243961			Recovery = 108.29%			
33) 1,4-difluorobenzene	11.053	114	1107008	10.000	ppbV	0.00
Standard Area = 1050358			Recovery = 105.39%			
51) chlorobenzene-D5	15.731	54	143033	10.000	ppbV	0.00
Standard Area = 140272			Recovery = 101.97%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.715	65	307396	10.359	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.59%			
53) toluene-D8	13.860	98	897995	10.353	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.53%			
67) bromofluorobenzene	17.037	95	523034	10.033	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.33%			
Target Compounds						Qvalue
2) propylene	3.783	41	11810M6	1.248	ppbV	
3) dichlorodifluoromethane	3.853	85	81369	1.124	ppbV	100
4) chloromethane	4.023	50	21734	1.155	ppbV	99
5) Freon-114	4.122	85	98611	1.151	ppbV	98
6) vinyl chloride	4.239	62	29263	1.159	ppbV	100
7) 1,3-butadiene	4.380	54	17547	1.223	ppbV	100
8) bromomethane	4.655	94	35746	1.137	ppbV	99
9) chloroethane	4.836	64	16533	1.133	ppbV	100
10) ethanol	4.977	31	52757	5.439	ppbV	98
11) vinyl bromide	5.206	106	29213	1.187	ppbV	100
12) acrolein	5.340	56	8624	1.073	ppbV	96
13) acetone	5.475	43	137838	6.075	ppbV	99
14) trichlorofluoromethane	5.662	101	83125	1.109	ppbV	100
15) isopropyl alcohol	5.750	45	71656	3.046	ppbV	100
16) acrylonitrile	5.983	53	13950M6	1.039	ppbV	
17) 1,1-dichloroethene	6.351	61	48716	1.113	ppbV	100
18) tertiary butyl alcohol	6.412	59	34413	0.951	ppbV #	94
19) methylene chloride	6.490	49	27645	1.282	ppbV	99
20) 3-chloropropene	6.619	41	18078	1.171	ppbV	99
21) carbon disulfide	6.793	76	68564	1.209	ppbV	97
22) Freon 113	6.787	101	66047	1.117	ppbV	99
23) trans-1,2-dichloroethene	7.528	61	32525	1.178	ppbV	99
24) 1,1-dichloroethane	7.744	63	44899	1.091	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236986.D
Acq On : 21 Nov 2025 11:55 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD1.0
Misc : WG2145606
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 10:13:24 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	7.826	73	65283	1.187	ppbV		100
26) vinyl acetate	7.934	43	38732	1.384	ppbV		100
27) 2-butanone	8.194	43	34294	1.154	ppbV		99
28) cis-1,2-dichloroethene	8.680	61	34539	1.081	ppbV		99
29) Ethyl Acetate	8.949	61	6113	1.104	ppbV		94
30) chloroform	9.014	83	64662	1.105	ppbV		100
31) Tetrahydrofuran	9.463	42	17724	1.324	ppbV		98
32) 1,2-dichloroethane	9.838	62	37218	1.071	ppbV		99
34) hexane	8.933	57	29119	1.235	ppbV		86
36) 1,1,1-trichloroethane	10.123	97	70717	0.976	ppbV		98
37) benzene	10.638	78	84106	1.103	ppbV		99
38) carbon tetrachloride	10.808	117	79256	1.120	ppbV		99
39) cyclohexane	10.939	56	29603	1.228	ppbV		96
40) Dibromomethane	11.533	93	40731	1.102	ppbV	#	99
41) 1,2-dichloropropane	11.562	63	26966	1.106	ppbV		98
42) bromodichloromethane	11.788	83	65065	1.180	ppbV		99
43) 1,4-dioxane	11.844	88	18811	1.166	ppbV		96
44) trichloroethene	11.844	130	50091	1.102	ppbV		99
45) 2,2,4-trimethylpentane	11.891	57	92969	1.284	ppbV		100
46) heptane	12.193	43	26910	1.196	ppbV		98
47) cis-1,3-dichloropropene	12.834	75	43752	1.047	ppbV		100
48) 4-methyl-2-pentanone	12.884	43	41517	1.146	ppbV		100
49) trans-1,3-dichloropropene	13.451	75	34393	1.036	ppbV		100
50) 1,1,2-trichloroethane	13.652	97	41940	1.083	ppbV		99
52) toluene	13.977	91	108369	1.132	ppbV		99
54) 2-hexanone	14.277	43	37182	1.142	ppbV		93
55) dibromochloromethane	14.436	129	75457	1.193	ppbV		100
56) 1,2-dibromoethane	14.686	107	65397	1.110	ppbV		100
57) tetrachloroethene	15.153	166	68507	1.140	ppbV		100
58) 1,1,1,2-tetrachloroethane	15.758	131	54566	1.086	ppbV		98
59) chlorobenzene	15.775	112	94174	1.124	ppbV		98
60) ethylbenzene	16.106	91	139061	1.103	ppbV		100
61) m+p-xylene	16.262	91	210787M6	2.254	ppbV		
62) bromoform	16.323	173	69520	1.167	ppbV		99
63) styrene	16.576	104	79061	1.067	ppbV		100
64) 1,1,2,2-tetrachloroethane	16.663	83	78865	1.114	ppbV		100
65) o-xylene	16.663	91	106280	1.129	ppbV		99
66) 1,2,3-Trichloropropane	16.767	75	54749	1.132	ppbV		99
68) isopropylbenzene	17.150	105	146869	1.098	ppbV		100
69) Bromobenzene	17.220	77	65427	1.108	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236986.D
Acq On : 21 Nov 2025 11:55 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD1.0
Misc : WG2145606
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 10:13:24 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

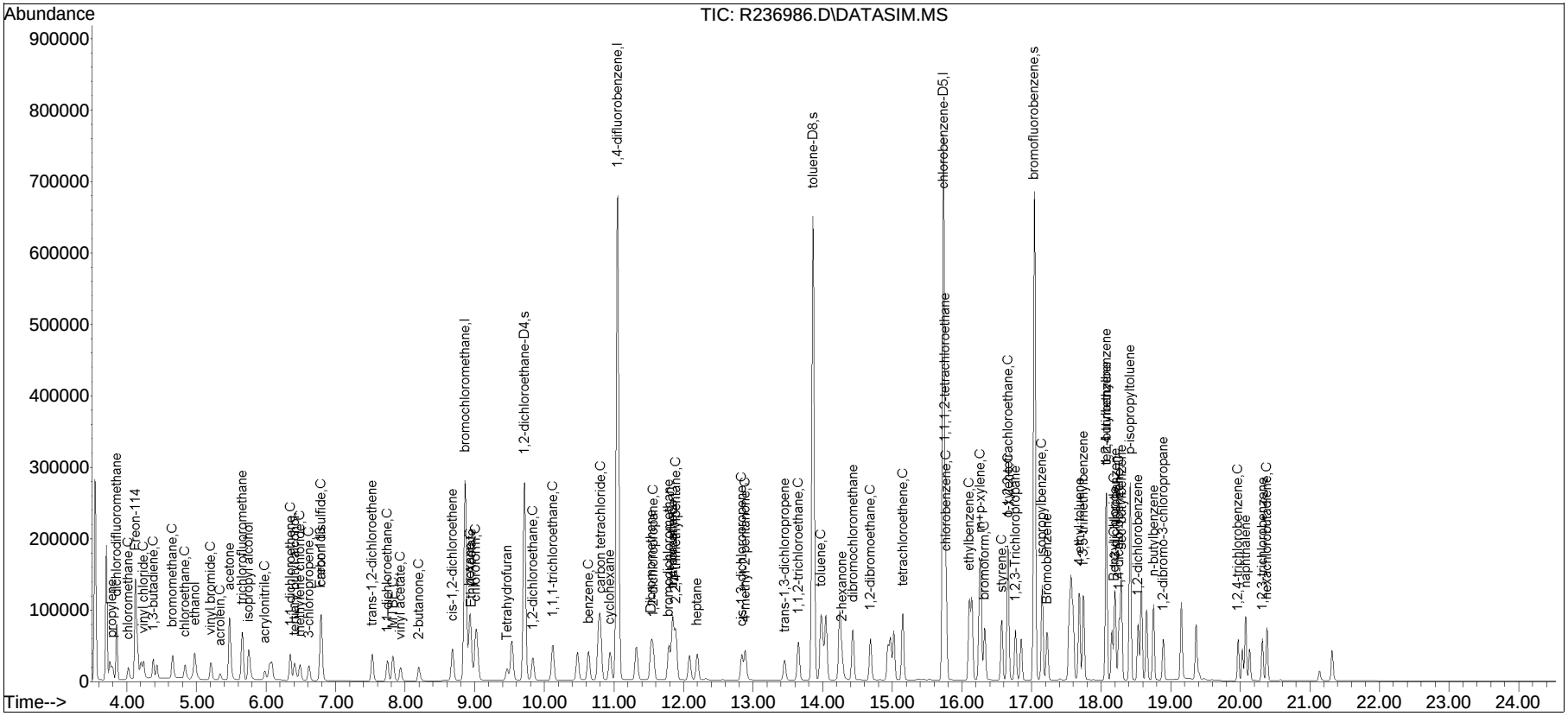
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.690	105	138200	1.178	ppbV	100
71) 1,3,5-trimethylbenzene	17.742	105	113947	1.088	ppbV	96
72) tert-butylbenzene	18.076	119	136222	1.081	ppbV	99
73) 1,2,4-trimethylbenzene	18.076	105	119641	1.059	ppbV	98
74) Benzyl Chloride	18.188	91	73481	0.949	ppbV	98
75) 1,3-dichlorobenzene	18.204	146	97556	1.077	ppbV	100
76) 1,4-dichlorobenzene	18.260	146	96334	1.069	ppbV	100
77) sec-butylbenzene	18.292	105	178034	1.115	ppbV	99
78) p-isopropyltoluene	18.419	119	163352	1.059	ppbV	99
79) 1,2-dichlorobenzene	18.531	146	91107	1.044	ppbV	99
80) n-butylbenzene	18.755	91	130452	1.043	ppbV	97
81) 1,2-dibromo-3-chloropr...	18.890	75	33283	0.965	ppbV	96
82) 1,2,4-trichlorobenzene	19.966	180	69573	0.840	ppbV	99
83) naphthalene	20.077	128	144268	0.815	ppbV	100
84) 1,2,3-trichlorobenzene	20.317	180	70263	0.853	ppbV	100
85) hexachlorobutadiene	20.381	225	64158	0.928	ppbV	98

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

Sub List : Default - All compounds listed1\1121SIM_I\R236987.D

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236986.D
Acq On : 21 Nov 2025 11:55 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD1.0
Misc : WG2145606
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 10:13:24 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

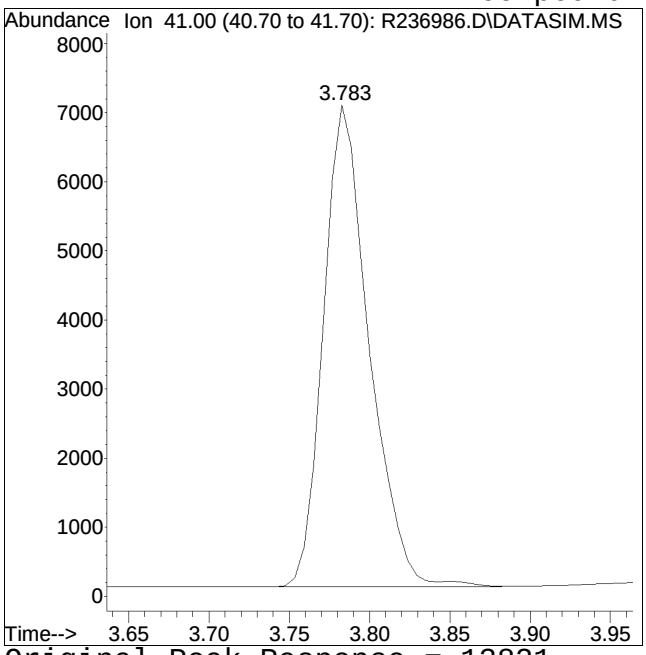


Manual Integration Report

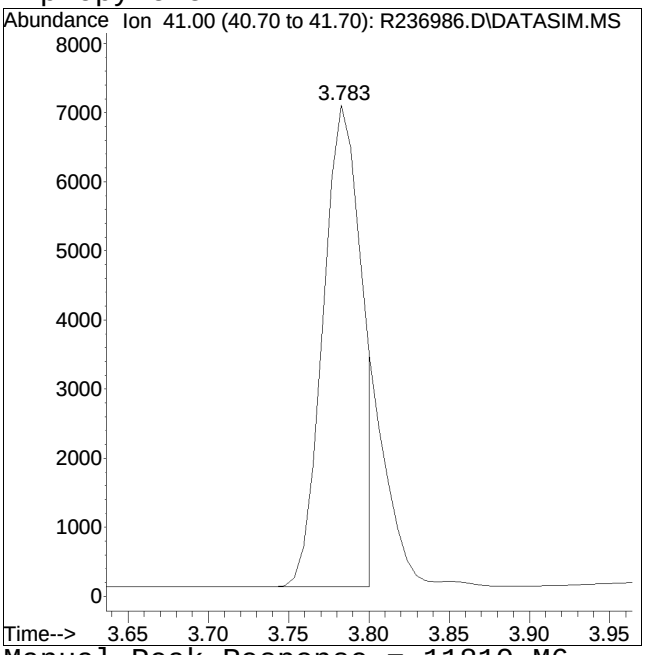
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R236986.D
Date Inj'd : 11/21/2025 11:55 pm
Sample : ITO15-SIMSTD1.0

Method : TSIM23_251121.M
Operator : AIRLAB23:BJB
Instrument : Airlab 23
Quant Date : 11/22/2025 10:13 am

Compound #2: propylene



Original Peak Response = 13821



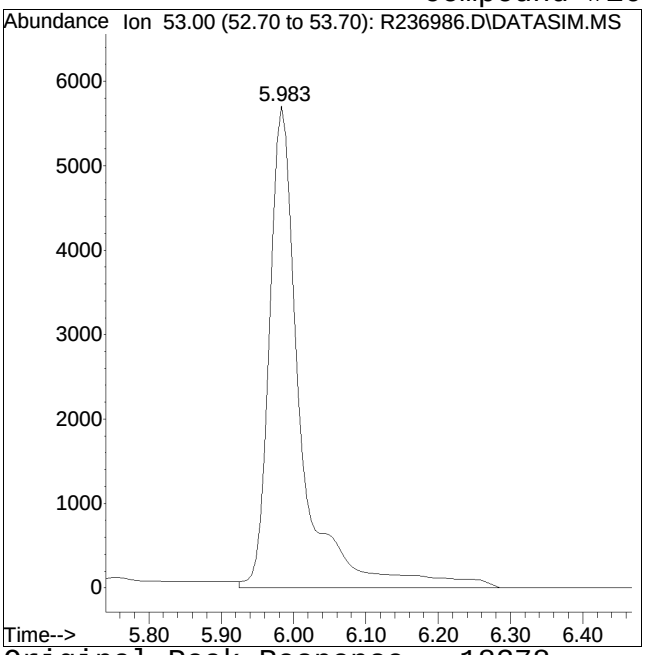
Manual Peak Response = 11810 M6

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

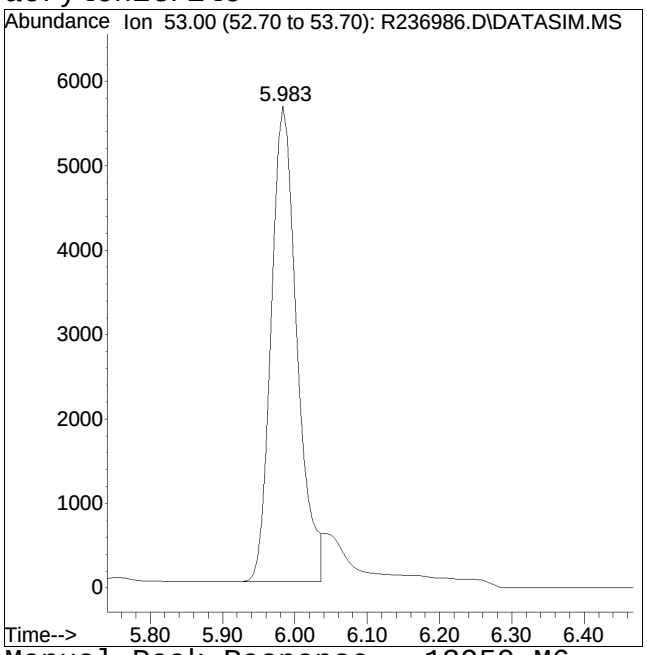
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236986.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 11:55 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD1.0 Quant Date : 11/22/2025 10:13 am

Compound #16: acrylonitrile



Original Peak Response = 18378



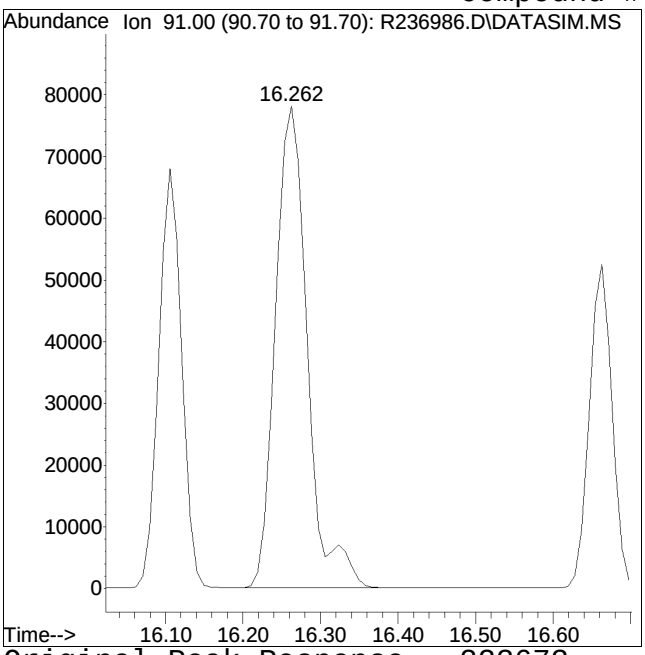
Manual Peak Response = 13950 M6

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

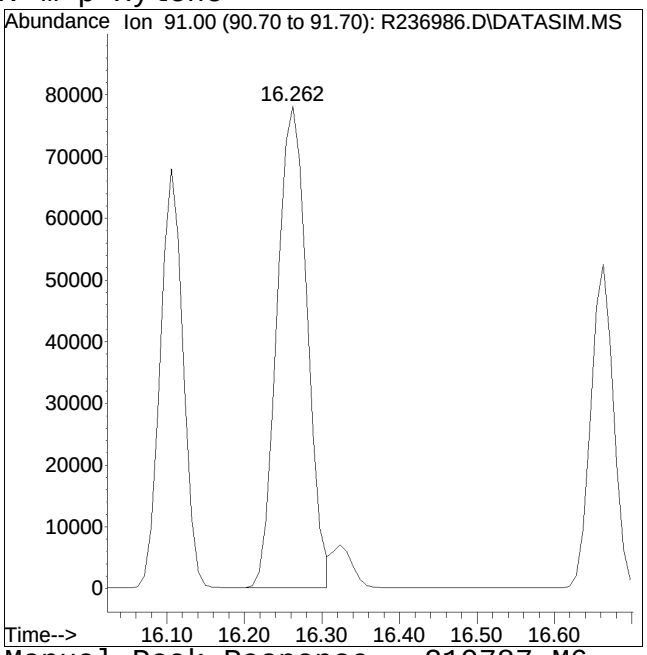
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236986.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 11:55 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD1.0 Quant Date : 11/22/2025 10:13 am

Compound #61: m+p-xylene



Original Peak Response = 223673



Manual Peak Response = 210787 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236987.D
Acq On : 22 Nov 2025 12:33 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD5.0
Misc : WG2145606
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 22 10:09:34 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Oct 12 12:54:33 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.865	49	243961	10.000	ppbV	# 0.00
Standard Area = 243961			Recovery = 100.00%			
33) 1,4-difluorobenzene	11.059	114	1050358	10.000	ppbV	# 0.00
Standard Area = 1050358			Recovery = 100.00%			
51) chlorobenzene-D5	15.728	54	140272	10.000	ppbV	# 0.00
Standard Area = 140272			Recovery = 100.00%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.721	65	281544	7.601	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 76.01%			
53) toluene-D8	13.866	98	850619	12.047	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 120.47%			
67) bromofluorobenzene	17.043	95	511235	11.941	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 119.41%			
Target Compounds						Qvalue
2) propylene	3.782	41	43709M6	3.538	ppbV	
3) dichlorodifluoromethane	3.859	85	334096	6.197	ppbV	100
4) chloromethane	4.022	50	86901	4.939	ppbV	99
5) Freon-114	4.128	85	395523	6.524	ppbV	89
6) vinyl chloride	4.245	62	116609	5.357	ppbV	99
7) 1,3-butadiene	4.379	54	66252	4.674	ppbV	97
8) bromomethane	4.660	94	145190	6.792	ppbV	99
9) chloroethane	4.836	64	67401	5.694	ppbV	99
10) ethanol	4.976	31	223908	21.178	ppbV	97
11) vinyl bromide	5.212	106	113585	5.726	ppbV	99
12) acrolein	5.334	56	37125	4.271	ppbV	97
13) acetone	5.469	43	523802	20.566	ppbV	98
14) trichlorofluoromethane	5.662	101	346079	6.229	ppbV	100
15) isopropyl alcohol	5.755	45	271569	9.807	ppbV	99
16) acrylonitrile	5.983	53	61976	4.188	ppbV	99
17) 1,1-dichloroethene	6.351	61	202140	4.990	ppbV	90
18) tertiary butyl alcohol	6.407	59	167034	6.317	ppbV	98
19) methylene chloride	6.490	49	99562	4.118	ppbV #	80
20) 3-chloropropene	6.619	41	71258	3.864	ppbV #	84
21) carbon disulfide	6.793	76	261897	4.918	ppbV	99
22) Freon 113	6.793	101	272953	5.972	ppbV	93
23) trans-1,2-dichloroethene	7.527	61	127470	4.391	ppbV #	83
24) 1,1-dichloroethane	7.750	63	189940	4.840	ppbV	99

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236987.D
Acq On : 22 Nov 2025 12:33 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD5.0
Misc : WG2145606
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 22 10:09:34 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Oct 12 12:54:33 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	7.815	73	253927	4.892	ppbV		95
26) vinyl acetate	7.934	43	129185	3.307	ppbV	#	90
27) 2-butanone	8.188	43	137214	4.015	ppbV	#	91
28) cis-1,2-dichloroethene	8.686	61	147520	4.830	ppbV	#	77
29) Ethyl Acetate	8.946	61	25576	4.569	ppbV		89
30) chloroform	9.020	83	270192	5.562	ppbV		97
31) Tetrahydrofuran	9.452	42	61824	3.787	ppbV	#	79
32) 1,2-dichloroethane	9.835	62	160402	5.080	ppbV		99
34) hexane	8.930	57	111890	2.940	ppbV		91
36) 1,1,1-trichloroethane	10.120	97	343744	4.464	ppbV		94
37) benzene	10.635	78	361657	3.641	ppbV		96
38) carbon tetrachloride	10.805	117	335623	4.520	ppbV		100
39) cyclohexane	10.946	56	114350	2.898	ppbV	#	84
40) Dibromomethane	11.540	93	175353	4.028	ppbV	#	87
41) 1,2-dichloropropane	11.568	63	115662	3.204	ppbV		99
42) bromodichloromethane	11.794	83	261691	3.598	ppbV		98
43) 1,4-dioxane	11.832	88	76520	3.798	ppbV	#	83
44) trichloroethene	11.841	130	215711	4.455	ppbV		97
45) 2,2,4-trimethylpentane	11.889	57	343451M6	2.847	ppbV		
46) heptane	12.200	43	106732	2.666	ppbV	#	88
47) cis-1,3-dichloropropene	12.840	75	198295	3.681	ppbV		95
48) 4-methyl-2-pentanone	12.873	43	171829	2.904	ppbV	#	93
49) trans-1,3-dichloropropene	13.449	75	157533	3.689	ppbV		95
50) 1,1,2-trichloroethane	13.649	97	183749	4.083	ppbV		92
52) toluene	13.974	91	469452	5.586	ppbV		100
54) 2-hexanone	14.266	43	159704	4.098	ppbV	#	92
55) dibromochloromethane	14.433	129	310120	5.685	ppbV		100
56) 1,2-dibromoethane	14.683	107	288820	5.864	ppbV		99
57) tetrachloroethene	15.150	166	294770	6.288	ppbV		96
58) 1,1,1,2-tetrachloroethane	15.763	131	246331	6.153	ppbV		99
59) chlorobenzene	15.772	112	410909	5.802	ppbV		94
60) ethylbenzene	16.103	91	618486	5.588	ppbV		97
61) m+p-xylene	16.259	91	917292	10.892	ppbV		96
62) bromoform	16.329	173	292003	5.728	ppbV		100
63) styrene	16.573	104	363229	5.933	ppbV		97
64) 1,1,2,2-tetrachloroethane	16.660	83	347290	5.167	ppbV		99
65) o-xylene	16.660	91	461792	5.432	ppbV		97
66) 1,2,3-Trichloropropane	16.764	75	237255	4.734	ppbV		92
68) isopropylbenzene	17.147	105	655914	5.749	ppbV		98
69) Bromobenzene	17.225	77	289558	4.753	ppbV	#	81

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236987.D
Acq On : 22 Nov 2025 12:33 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD5.0
Misc : WG2145606
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 22 10:09:34 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Oct 12 12:54:33 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

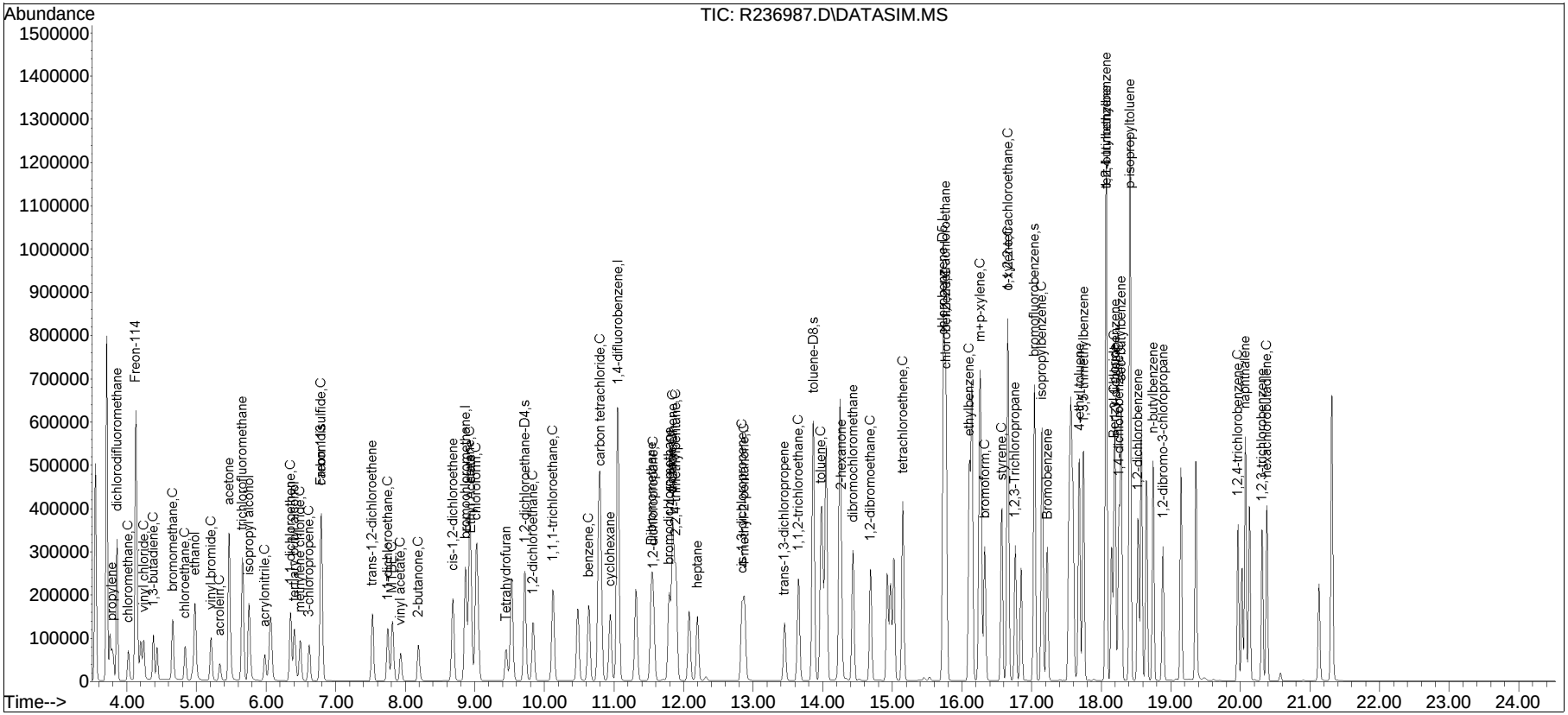
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.687	105	575166	5.203	ppbV	99
71) 1,3,5-trimethylbenzene	17.748	105	513700	5.603	ppbV	99
72) tert-butylbenzene	18.074	119	617747	5.706	ppbV	100
73) 1,2,4-trimethylbenzene	18.074	105	554080	5.796	ppbV	96
74) Benzyl Chloride	18.185	91	379667	5.159	ppbV	97
75) 1,3-dichlorobenzene	18.201	146	444286	5.883	ppbV	96
76) 1,4-dichlorobenzene	18.257	146	441834	6.089	ppbV	96
77) sec-butylbenzene	18.289	105	782817	5.646	ppbV	98
78) p-isopropyltoluene	18.417	119	756085	5.936	ppbV	97
79) 1,2-dichlorobenzene	18.529	146	427975	5.900	ppbV	96
80) n-butylbenzene	18.744	91	613262	5.455	ppbV	96
81) 1,2-dibromo-3-chloropr...	18.888	75	169204	4.972	ppbV	86
82) 1,2,4-trichlorobenzene	19.966	180	406297	6.455	ppbV	99
83) naphthalene	20.071	128	868083	6.264	ppbV	100
84) 1,2,3-trichlorobenzene	20.311	180	403996	6.311	ppbV	100
85) hexachlorobutadiene	20.381	225	339025	6.159	ppbV	98

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

Sub List : Default - All compounds listed1\1121SIM_I\R236987.D

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236987.D
Acq On : 22 Nov 2025 12:33 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD5.0
Misc : WG2145606
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 22 10:09:34 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Oct 12 12:54:33 2025
Response via : Initial Calibration

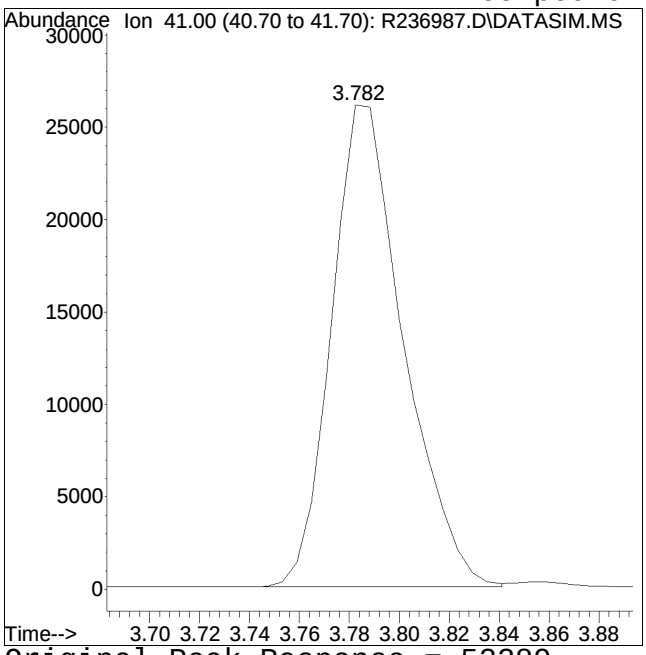


Manual Integration Report

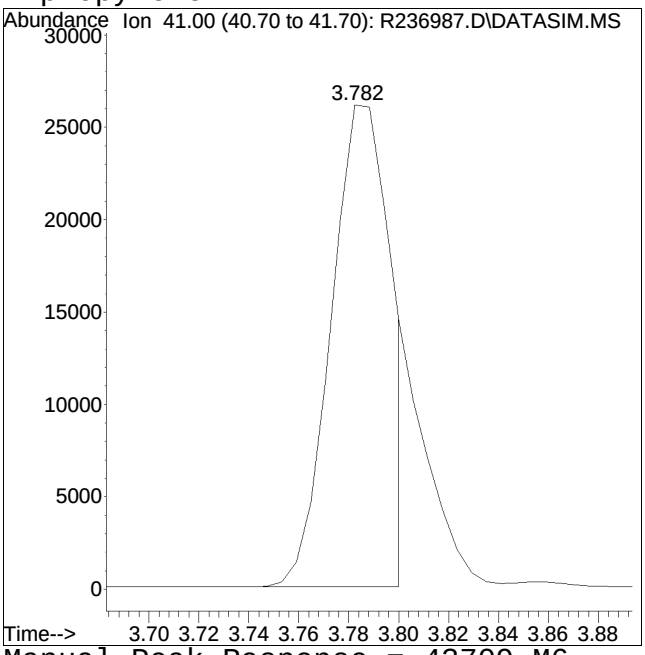
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R236987.D
Date Inj'd : 11/22/2025 12:33 am
Sample : ITO15-SIMSTD5.0

Method : TSIM23_251121.M
Operator : AIRLAB23:BJB
Instrument : Airlab 23
Quant Date : 11/22/2025 10:09 am

Compound #2: propylene



Original Peak Response = 52289



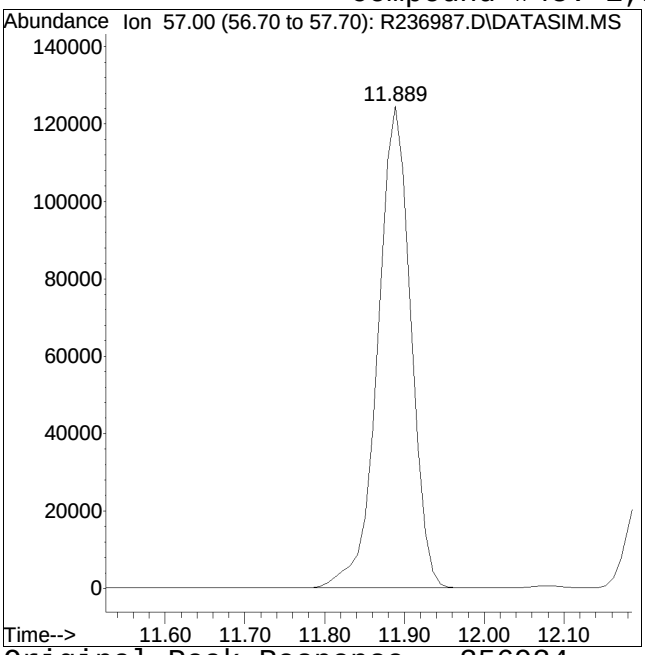
Manual Peak Response = 43709 M6

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

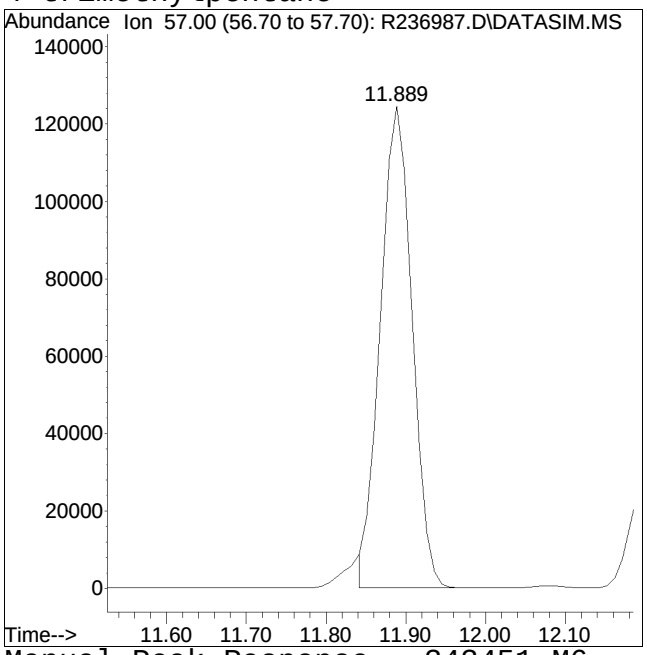
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236987.D Operator : AIRLAB23:BJB
Date Inj'd : 11/22/2025 12:33 am Instrument : Airlab 23
Sample : ITO15-SIMSTD5.0 Quant Date : 11/22/2025 10:09 am

Compound #45: 2,2,4-trimethylpentane



Original Peak Response = 356924



Manual Peak Response = 343451 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236988.D
Acq On : 22 Nov 2025 01:14 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD010
Misc : WG2145606
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 22 10:13:31 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.868	49	239597	10.000	ppbV	0.00
Standard Area = 243961			Recovery = 98.21%			
33) 1,4-difluorobenzene	11.053	114	988300	10.000	ppbV	0.00
Standard Area = 1050358			Recovery = 94.09%			
51) chlorobenzene-D5	15.732	54	134124	10.000	ppbV	0.00
Standard Area = 140272			Recovery = 95.62%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.724	65	275779	10.410	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.10%			
53) toluene-D8	13.860	98	824926	10.142	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.42%			
67) bromofluorobenzene	17.037	95	493691	10.099	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.99%			
Target Compounds						Qvalue
2) propylene	3.783	41	83510M6	9.727	ppbV	
3) dichlorodifluoromethane	3.859	85	619763	9.444	ppbV	99
4) chloromethane	4.023	50	169648	9.939	ppbV	99
5) Freon-114	4.128	85	751705	9.676	ppbV	98
6) vinyl chloride	4.245	62	225957	9.865	ppbV	100
7) 1,3-butadiene	4.380	54	130646	10.039	ppbV	99
8) bromomethane	4.655	94	281767	9.880	ppbV	100
9) chloroethane	4.836	64	133174	10.059	ppbV	99
10) ethanol	4.988	31	429761	48.858	ppbV	98
11) vinyl bromide	5.212	106	214217	9.602	ppbV	100
12) acrolein	5.335	56	73283	10.050	ppbV	99
13) acetone	5.469	43	1005034	48.842	ppbV	100
14) trichlorofluoromethane	5.662	101	661043	9.724	ppbV	100
15) isopropyl alcohol	5.761	45	501997	23.527	ppbV	100
16) acrylonitrile	5.983	53	121703	9.997	ppbV	100
17) 1,1-dichloroethene	6.351	61	397767	10.018	ppbV	100
18) tertiary butyl alcohol	6.412	59	271891	8.287	ppbV	99
19) methylene chloride	6.490	49	189935	9.712	ppbV	99
20) 3-chloropropene	6.619	41	138246	9.877	ppbV	100
21) carbon disulfide	6.793	76	497033	9.662	ppbV	100
22) Freon 113	6.793	101	518665	9.674	ppbV	100
23) trans-1,2-dichloroethene	7.528	61	247241	9.875	ppbV	100
24) 1,1-dichloroethane	7.750	63	365095	9.786	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236988.D
Acq On : 22 Nov 2025 01:14 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD010
Misc : WG2145606
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 22 10:13:31 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	7.815	73	486761	9.759	ppbV		100
26) vinyl acetate	7.934	43	275188	10.845	ppbV		100
27) 2-butanone	8.189	43	266817	9.900	ppbV		100
28) cis-1,2-dichloroethene	8.689	61	284993	9.835	ppbV		99
29) Ethyl Acetate	8.950	61	49484	9.850	ppbV		83
30) chloroform	9.023	83	516754	9.737	ppbV		100
31) Tetrahydrofuran	9.447	42	120225	9.900	ppbV		99
32) 1,2-dichloroethane	9.838	62	311323	9.881	ppbV		100
34) hexane	8.933	57	216318	10.274	ppbV		94
36) 1,1,1-trichloroethane	10.123	97	678224	10.485	ppbV		99
37) benzene	10.638	78	695851	10.224	ppbV		100
38) carbon tetrachloride	10.808	117	643901	10.195	ppbV		100
39) cyclohexane	10.949	56	219651	10.207	ppbV		98
40) Dibromomethane	11.534	93	342653	10.384	ppbV	#	99
41) 1,2-dichloropropane	11.571	63	222872	10.240	ppbV		100
42) bromodichloromethane	11.797	83	512772	10.412	ppbV		99
43) 1,4-dioxane	11.826	88	144628	10.044	ppbV		99
44) trichloroethene	11.845	130	416027	10.249	ppbV		99
45) 2,2,4-trimethylpentane	11.892	57	680073	10.522	ppbV		99
46) heptane	12.203	43	207851	10.348	ppbV		99
47) cis-1,3-dichloropropene	12.843	75	395186	10.590	ppbV		99
48) 4-methyl-2-pentanone	12.868	43	334272	10.338	ppbV		99
49) trans-1,3-dichloropropene	13.452	75	317030	10.694	ppbV		99
50) 1,1,2-trichloroethane	13.652	97	358516	10.368	ppbV		98
52) toluene	13.977	91	914270	10.184	ppbV		99
54) 2-hexanone	14.261	43	311871	10.212	ppbV		96
55) dibromochloromethane	14.436	129	616385	10.393	ppbV		99
56) 1,2-dibromoethane	14.686	107	568984	10.302	ppbV		99
57) tetrachloroethene	15.153	166	574437	10.190	ppbV		99
58) 1,1,1,2-tetrachloroethane	15.758	131	496680	10.544	ppbV		99
59) chlorobenzene	15.775	112	804652	10.240	ppbV		98
60) ethylbenzene	16.106	91	1209867	10.229	ppbV		98
61) m+p-xylene	16.263	91	1789576	20.404	ppbV		98
62) bromoform	16.324	173	592249	10.606	ppbV		99
63) styrene	16.567	104	726061	10.453	ppbV		99
64) 1,1,2,2-tetrachloroethane	16.654	83	674063	10.149	ppbV		100
65) o-xylene	16.663	91	902532	10.220	ppbV		98
66) 1,2,3-Trichloropropane	16.768	75	461865	10.180	ppbV		100
68) isopropylbenzene	17.151	105	1292737	10.306	ppbV		98
69) Bromobenzene	17.220	77	569081	10.277	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236988.D
Acq On : 22 Nov 2025 01:14 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD010
Misc : WG2145606
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 22 10:13:31 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

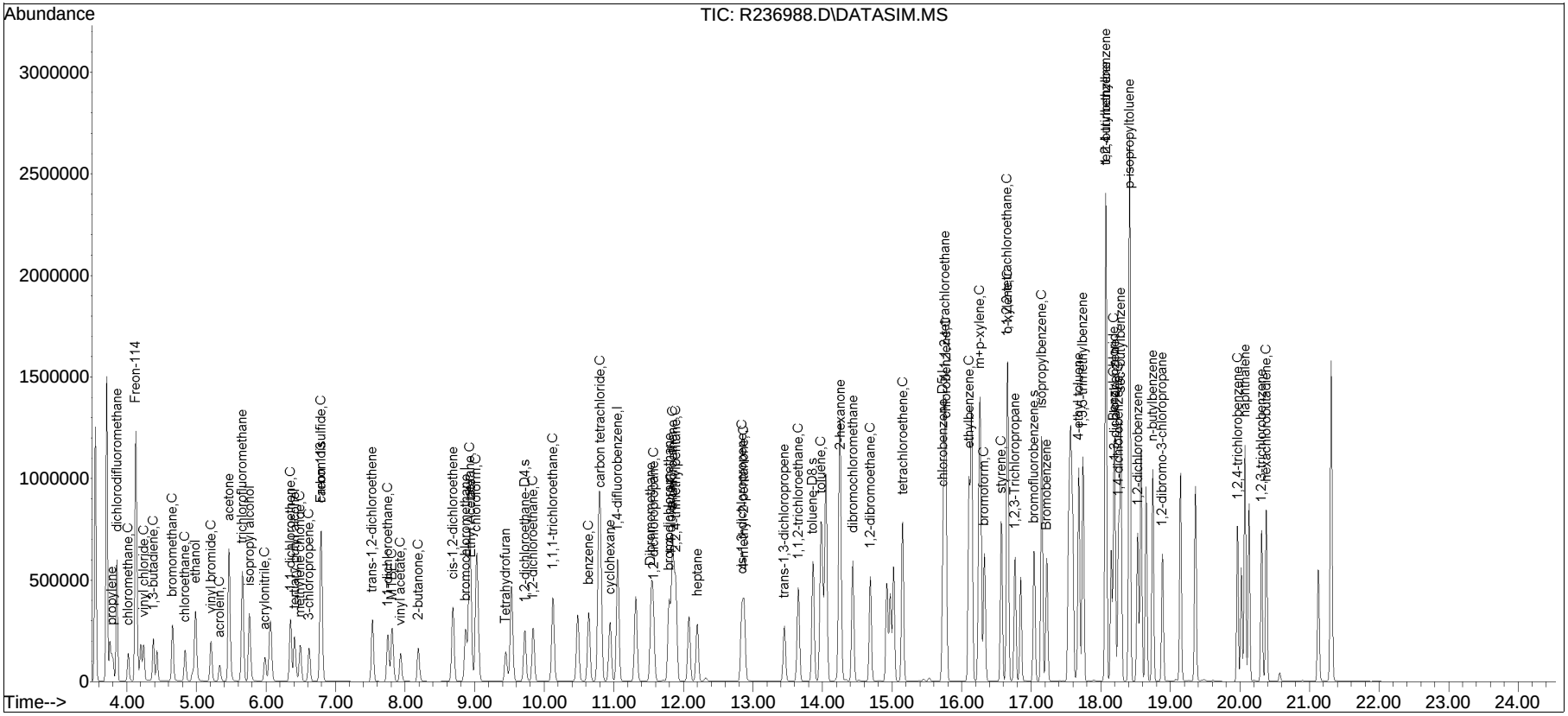
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.682	105	1146084	10.420	ppbV	99
71) 1,3,5-trimethylbenzene	17.743	105	1000542	10.185	ppbV	99
72) tert-butylbenzene	18.069	119	1428591	12.093	ppbV	100
73) 1,2,4-trimethylbenzene	18.069	105	1107854	10.455	ppbV	97
74) Benzyl Chloride	18.189	91	798934	11.004	ppbV	97
75) 1,3-dichlorobenzene	18.205	146	906653	10.671	ppbV	97
76) 1,4-dichlorobenzene	18.253	146	869283	10.288	ppbV	96
77) sec-butylbenzene	18.285	105	1544322	10.316	ppbV	98
78) p-isopropyltoluene	18.412	119	1530027	10.582	ppbV	100
79) 1,2-dichlorobenzene	18.532	146	859883	10.506	ppbV	97
80) n-butylbenzene	18.748	91	1226495	10.458	ppbV	95
81) 1,2-dibromo-3-chloropr...	18.883	75	345255	10.670	ppbV	98
82) 1,2,4-trichlorobenzene	19.967	180	871761	11.220	ppbV	99
83) naphthalene	20.073	128	1785233	10.754	ppbV	100
84) 1,2,3-trichlorobenzene	20.312	180	856177	11.082	ppbV	99
85) hexachlorobutadiene	20.376	225	712936	10.996	ppbV	100

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

Sub List : Default - All compounds listed1\1121SIM_I\R236987.D

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236988.D
Acq On : 22 Nov 2025 01:14 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD010
Misc : WG2145606
ALS Vial : 7 Sample Multiplier: 1

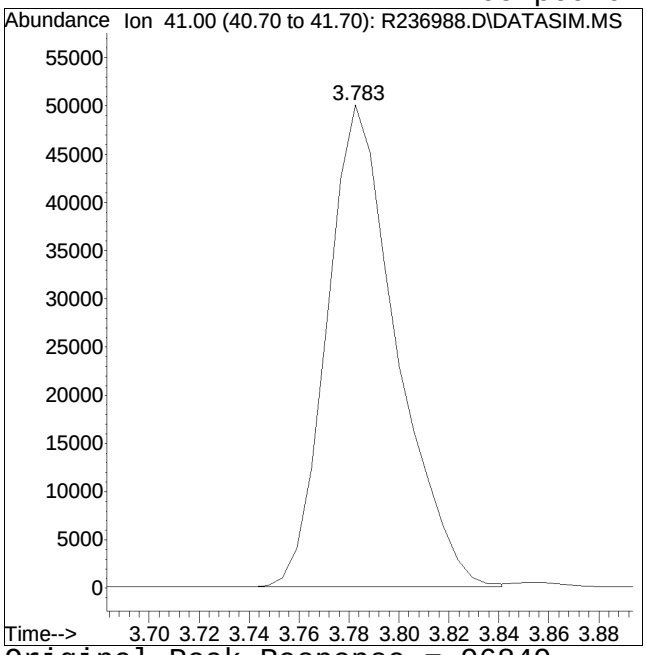
Quant Time: Nov 22 10:13:31 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration



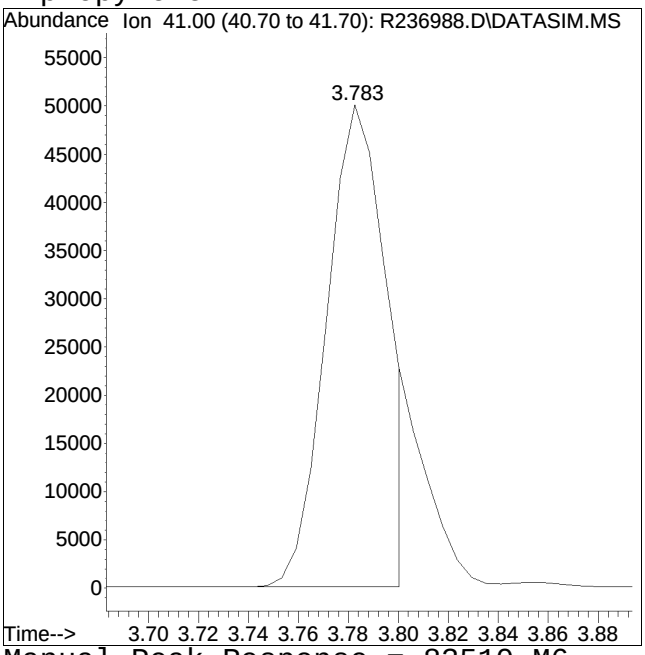
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236988.D Operator : AIRLAB23:BJB
Date Inj'd : 11/22/2025 1:14 am Instrument : Airlab 23
Sample : ITO15-SIMSTD010 Quant Date : 11/22/2025 10:13 am

Compound #2: propylene



Original Peak Response = 96849



Manual Peak Response = 83510 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236989.D
Acq On : 22 Nov 2025 01:52 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD020
Misc : WG2145606
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 22 10:13:39 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.874	49	238609	10.000	ppbV	0.00
Standard Area = 243961			Recovery = 97.81%			
33) 1,4-difluorobenzene	11.060	114	1008310	10.000	ppbV	0.00
Standard Area = 1050358			Recovery = 96.00%			
51) chlorobenzene-D5	15.729	54	135344	10.000	ppbV	0.00
Standard Area = 140272			Recovery = 96.49%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.721	65	276724	10.239	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.39%			
53) toluene-D8	13.866	98	844983	10.295	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.95%			
67) bromofluorobenzene	17.044	95	515238	10.445	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.45%			
Target Compounds						Qvalue
2) propylene	3.783	41	175196M6	20.491	ppbV	
3) dichlorodifluoromethane	3.853	85	1251935	19.156	ppbV	99
4) chloromethane	4.017	50	344554	20.269	ppbV	100
5) Freon-114	4.128	85	1473562	19.046	ppbV	96
6) vinyl chloride	4.239	62	446996	19.596	ppbV	100
7) 1,3-butadiene	4.380	54	284656	21.965	ppbV	99
8) bromomethane	4.655	94	558719	19.673	ppbV	100
9) chloroethane	4.836	64	264344	20.050	ppbV	99
10) ethanol	4.994	31	920487	105.080	ppbV	98
11) vinyl bromide	5.212	106	490728	22.086	ppbV	100
12) acrolein	5.335	56	155552	21.420	ppbV	98
13) acetone	5.469	43	2217414	108.206	ppbV	99
14) trichlorofluoromethane	5.662	101	1350901	19.955	ppbV	99
15) isopropyl alcohol	5.767	45	1178044	55.440	ppbV	100
16) acrylonitrile	5.989	53	258101	21.290	ppbV	100
17) 1,1-dichloroethene	6.351	61	784580	19.842	ppbV	99
18) tertiary butyl alcohol	6.412	59	496341	15.191	ppbV	98
19) methylene chloride	6.496	49	437345	22.456	ppbV	99
20) 3-chloropropene	6.625	41	311029	22.314	ppbV	98
21) carbon disulfide	6.793	76	1094074	21.356	ppbV	99
22) Freon 113	6.793	101	1057783	19.811	ppbV	98
23) trans-1,2-dichloroethene	7.534	61	550377	22.073	ppbV	97
24) 1,1-dichloroethane	7.756	63	740481	19.930	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236989.D
Acq On : 22 Nov 2025 01:52 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD020
Misc : WG2145606
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 22 10:13:39 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	7.810	73	1071688	21.576	ppbV		100
26) vinyl acetate	7.940	43	680823	26.942	ppbV		100
27) 2-butanone	8.189	43	598939	22.315	ppbV		99
28) cis-1,2-dichloroethene	8.686	61	582255	20.177	ppbV		96
29) Ethyl Acetate	8.947	61	112788	22.544	ppbV		99
30) chloroform	9.029	83	1048703	19.842	ppbV		100
31) Tetrahydrofuran	9.444	42	276672	22.878	ppbV		98
32) 1,2-dichloroethane	9.844	62	640676	20.419	ppbV		99
34) hexane	8.931	57	485224	22.587	ppbV		97
36) 1,1,1-trichloroethane	10.129	97	1389979	21.061	ppbV		97
37) benzene	10.645	78	1415437	20.385	ppbV		99
38) carbon tetrachloride	10.815	117	1335876	20.731	ppbV		98
39) cyclohexane	10.947	56	491650	22.394	ppbV		100
40) Dibromomethane	11.541	93	710248	21.096	ppbV	#	95
41) 1,2-dichloropropane	11.569	63	453318	20.414	ppbV		99
42) bromodichloromethane	11.795	83	1148816	22.865	ppbV		100
43) 1,4-dioxane	11.833	88	331899	22.591	ppbV		96
44) trichloroethene	11.852	130	857297	20.700	ppbV		98
45) 2,2,4-trimethylpentane	11.889	57	1491990	22.626	ppbV		100
46) heptane	12.200	43	468770	22.876	ppbV		99
47) cis-1,3-dichloropropene	12.840	75	831047	21.829	ppbV		99
48) 4-methyl-2-pentanone	12.874	43	741761	22.484	ppbV		98
49) trans-1,3-dichloropropene	13.449	75	676219	22.358	ppbV		100
50) 1,1,2-trichloroethane	13.658	97	737743	20.912	ppbV		96
52) toluene	13.975	91	1856698	20.495	ppbV		98
54) 2-hexanone	14.259	43	718870	23.326	ppbV		99
55) dibromochloromethane	14.434	129	1425071	23.813	ppbV		99
56) 1,2-dibromoethane	14.684	107	1179245	21.158	ppbV		99
57) tetrachloroethene	15.151	166	1211036	21.290	ppbV		98
58) 1,1,1,2-tetrachloroethane	15.764	131	1071580	22.543	ppbV		99
59) chlorobenzene	15.773	112	1655649	20.880	ppbV		99
60) ethylbenzene	16.103	91	2445204	20.487	ppbV		97
61) m+p-xylene	16.260	91	3620211	40.903	ppbV		97
62) bromoform	16.330	173	1425422	25.296	ppbV		100
63) styrene	16.573	104	1530898	21.841	ppbV		99
64) 1,1,2,2-tetrachloroethane	16.660	83	1377234	20.550	ppbV		99
65) o-xylene	16.660	91	1850678	20.768	ppbV		98
66) 1,2,3-Trichloropropane	16.765	75	958593	20.937	ppbV		99
68) isopropylbenzene	17.157	105	2695178	21.293	ppbV		94
69) Bromobenzene	17.226	77	1197389	21.429	ppbV		94

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236989.D
Acq On : 22 Nov 2025 01:52 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD020
Misc : WG2145606
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 22 10:13:39 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

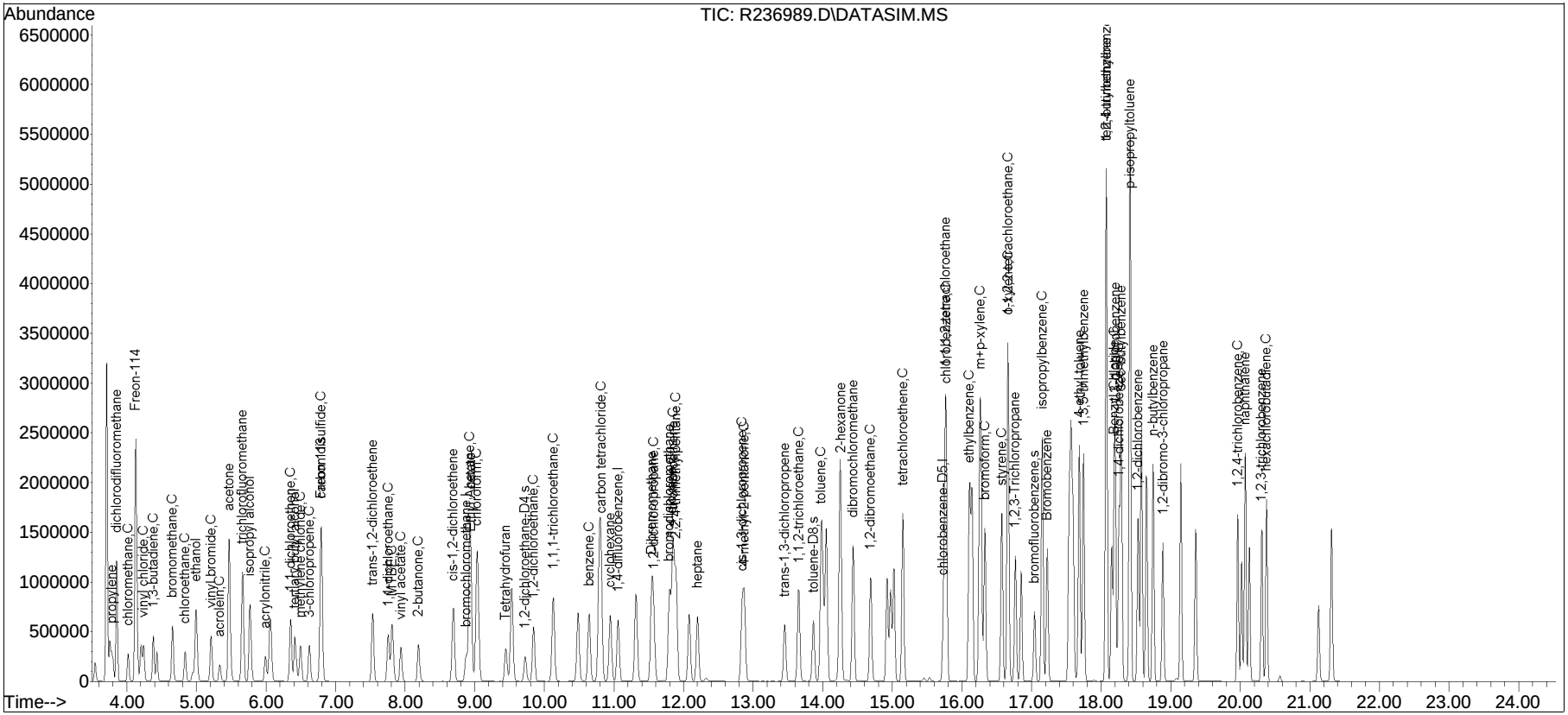
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.688	105	2541514	22.898	ppbV	98
71) 1,3,5-trimethylbenzene	17.749	105	2121654	21.403	ppbV	98
72) tert-butylbenzene	18.074	119	2611666	21.908	ppbV	96
73) 1,2,4-trimethylbenzene	18.074	105	2303387	21.543	ppbV	97
74) Benzyl Chloride	18.186	91	1869011	25.510	ppbV	97
75) 1,3-dichlorobenzene	18.202	146	2012675	23.475	ppbV	99
76) 1,4-dichlorobenzene	18.258	146	1846599	21.658	ppbV	99
77) sec-butylbenzene	18.290	105	3185723	21.089	ppbV	96
78) p-isopropyltoluene	18.418	119	3183525	21.819	ppbV	95
79) 1,2-dichlorobenzene	18.529	146	1858803	22.507	ppbV	99
80) n-butylbenzene	18.745	91	2542802	21.487	ppbV	94
81) 1,2-dibromo-3-chloropr...	18.889	75	741528	22.710	ppbV	96
82) 1,2,4-trichlorobenzene	19.961	180	1869828	23.848	ppbV	100
83) naphthalene	20.072	128	3518025	21.001	ppbV	100
84) 1,2,3-trichlorobenzene	20.306	180	1771365	22.721	ppbV	99
85) hexachlorobutadiene	20.376	225	1524175	23.297	ppbV	98

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

Sub List : Default - All compounds listed1\1121SIM_I\R236987.D

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236989.D
Acq On : 22 Nov 2025 01:52 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD020
Misc : WG2145606
ALS Vial : 8 Sample Multiplier: 1

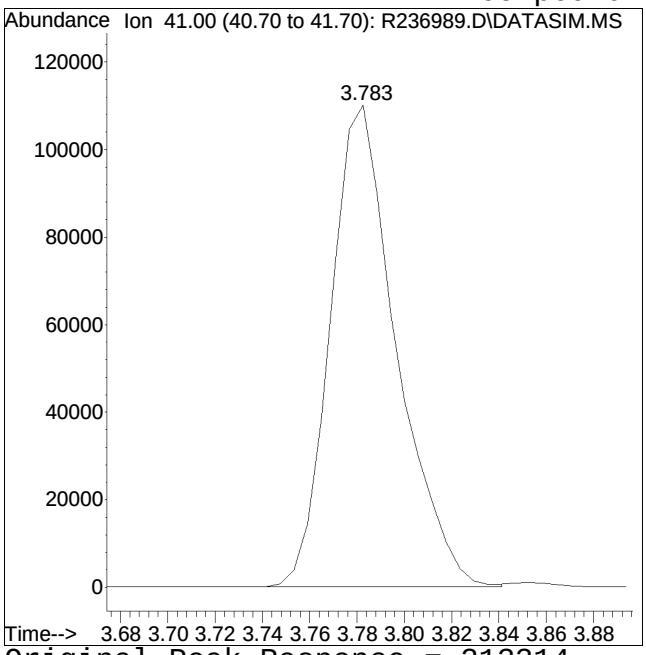
Quant Time: Nov 22 10:13:39 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration



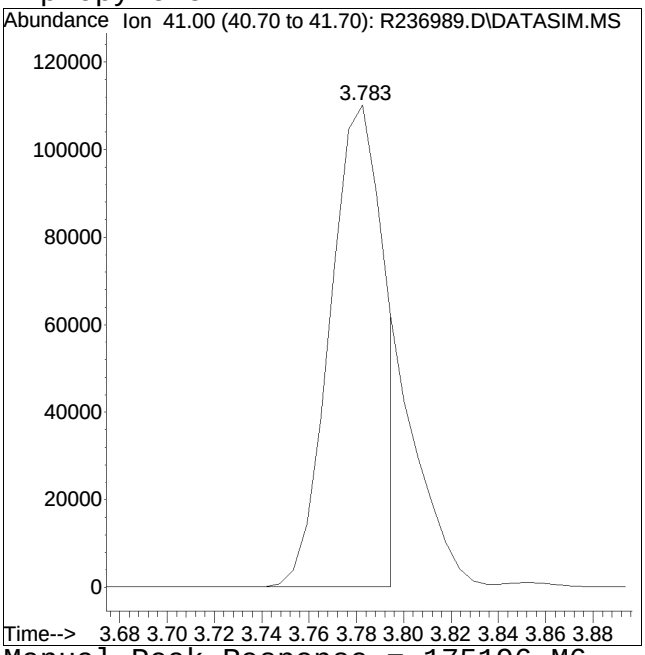
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236989.D Operator : AIRLAB23:BJB
Date Inj'd : 11/22/2025 1:52 am Instrument : Airlab 23
Sample : ITO15-SIMSTD020 Quant Date : 11/22/2025 10:13 am

Compound #2: propylene



Original Peak Response = 213314



Manual Peak Response = 175196 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236990.D
Acq On : 22 Nov 2025 02:30 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD050
Misc : WG2145606
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 22 10:13:47 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.876	49	239360	10.000	ppbV	0.01
Standard Area = 243961			Recovery = 98.11%			
33) 1,4-difluorobenzene	11.063	114	991494	10.000	ppbV	0.00
Standard Area = 1050358			Recovery = 94.40%			
51) chlorobenzene-D5	15.732	54	141473	10.000	ppbV	0.00
Standard Area = 140272			Recovery = 100.86%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.732	65	274505	10.329	ppbV	0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.29%			
53) toluene-D8	13.869	98	830178	9.677	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.77%			
67) bromofluorobenzene	17.038	95	537694	10.428	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.28%			
Target Compounds						Qvalue
2) propylene	3.782	41	416091M6	48.513	ppbV	
3) dichlorodifluoromethane	3.859	85	2888212	44.055	ppbV	96
4) chloromethane	4.022	50	812705	47.659	ppbV	99
5) Freon-114	4.128	85	3281052	42.275	ppbV	95
6) vinyl chloride	4.245	62	1040620	45.478	ppbV	100
7) 1,3-butadiene	4.385	54	670884	51.604	ppbV	95
8) bromomethane	4.660	94	1275936	44.785	ppbV	99
9) chloroethane	4.842	64	615216	46.516	ppbV	99
10) ethanol	5.012	31	2201179	250.492	ppbV	98
11) vinyl bromide	5.218	106	1194126	53.576	ppbV	98
12) acrolein	5.340	56	381006	52.300	ppbV	98
13) acetone	5.475	43	5318189	258.705	ppbV	98
14) trichlorofluoromethane	5.668	101	3201498	47.143	ppbV	97
15) isopropyl alcohol	5.784	45	2890837	135.620	ppbV	100
16) acrylonitrile	6.001	53	704640	57.941	ppbV	99
17) 1,1-dichloroethene	6.356	61	1898242	47.856	ppbV	98
18) tertiary butyl alcohol	6.440	59	1144413	34.915	ppbV	98
19) methylene chloride	6.501	49	1054011	53.950	ppbV	100
20) 3-chloropropene	6.625	41	763838	54.627	ppbV	98
21) carbon disulfide	6.799	76	2605962	50.708	ppbV	100
22) Freon 113	6.793	101	2541059	47.442	ppbV	95
23) trans-1,2-dichloroethene	7.539	61	1313339	52.506	ppbV	97
24) 1,1-dichloroethane	7.761	63	1756756	47.134	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236990.D
Acq On : 22 Nov 2025 02:30 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD050
Misc : WG2145606
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 22 10:13:47 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	7.815	73	2520735	50.589	ppbV		99
26) vinyl acetate	7.945	43	1775532	70.041	ppbV		100
27) 2-butanone	8.194	43	1451485	53.908	ppbV		100
28) cis-1,2-dichloroethene	8.697	61	1384780	47.838	ppbV		99
29) Ethyl Acetate	8.958	61	280255	55.842	ppbV		67
30) chloroform	9.039	83	2521047	47.550	ppbV		98
31) Tetrahydrofuran	9.447	42	683746	56.361	ppbV		97
32) 1,2-dichloroethane	9.854	62	1548951	49.212	ppbV		98
34) hexane	8.933	57	1213247	57.435	ppbV		85
36) 1,1,1-trichloroethane	10.132	97	3323165	51.208	ppbV		99
37) benzene	10.648	78	3314093	48.538	ppbV		99
38) carbon tetrachloride	10.817	117	3252708	51.335	ppbV		97
39) cyclohexane	10.949	56	1189155	55.083	ppbV		99
40) Dibromomethane	11.543	93	1708911	51.621	ppbV	#	90
41) 1,2-dichloropropane	11.572	63	1091653	49.993	ppbV		98
42) bromodichloromethane	11.798	83	2761481	55.895	ppbV		99
43) 1,4-dioxane	11.835	88	801826	55.504	ppbV		99
44) trichloroethene	11.854	130	2084416	51.183	ppbV		97
45) 2,2,4-trimethylpentane	11.892	57	3597722	55.486	ppbV		98
46) heptane	12.203	43	1175443	58.334	ppbV		97
47) cis-1,3-dichloropropene	12.843	75	2017141	53.882	ppbV		97
48) 4-methyl-2-pentanone	12.876	43	1801471	55.533	ppbV		99
49) trans-1,3-dichloropropene	13.460	75	1649711	55.469	ppbV		98
50) 1,1,2-trichloroethane	13.660	97	1755533	50.606	ppbV		97
52) toluene	13.986	91	4325145	45.675	ppbV		96
54) 2-hexanone	14.261	43	1839331	57.097	ppbV		100
55) dibromochloromethane	14.436	129	3508133	56.081	ppbV		99
56) 1,2-dibromoethane	14.695	107	2833129	48.630	ppbV		96
57) tetrachloroethene	15.154	166	3007087	50.574	ppbV		97
58) 1,1,1,2-tetrachloroethane	15.767	131	2694488	54.228	ppbV		98
59) chlorobenzene	15.775	112	3975775	47.967	ppbV		97
60) ethylbenzene	16.106	91	5688432	45.596	ppbV		92
61) m+p-xylene	16.263	91	8658583	93.592	ppbV		94
62) bromoform	16.333	173	3672391	62.349	ppbV		98
63) styrene	16.576	104	3698647	50.481	ppbV		99
64) 1,1,2,2-tetrachloroethane	16.655	83	3370300	48.111	ppbV		99
65) o-xylene	16.663	91	4530362	48.636	ppbV		95
66) 1,2,3-Trichloropropane	16.768	75	2379852	49.728	ppbV		97
68) isopropylbenzene	17.151	105	6252241	47.256	ppbV		90
69) Bromobenzene	17.221	77	3008610	51.511	ppbV		92

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236990.D
Acq On : 22 Nov 2025 02:30 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD050
Misc : WG2145606
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 22 10:13:47 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default - All compounds listed

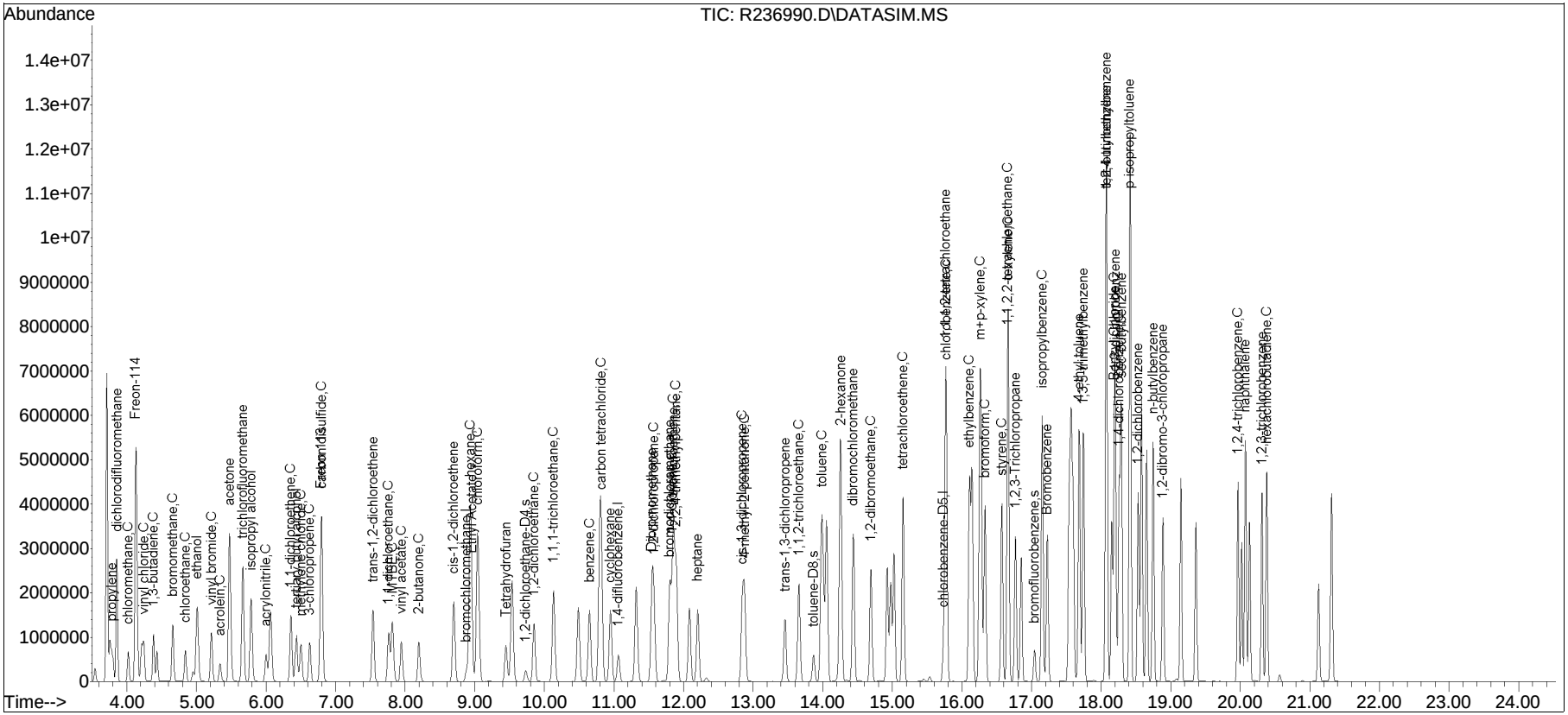
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
70) 4-ethyl toluene	17.682	105	6041278	52.072	ppbV		94
71) 1,3,5-trimethylbenzene	17.743	105	5009822	48.348	ppbV		96
72) tert-butylbenzene	18.077	119	6022113	48.329	ppbV		91
73) 1,2,4-trimethylbenzene	18.077	105	5440774	48.681	ppbV		96
74) Benzyl Chloride	18.188	91	4946941	64.595	ppbV		93
75) 1,3-dichlorobenzene	18.204	146	4931054	55.023	ppbV		97
76) 1,4-dichlorobenzene	18.260	146	4952734	55.572	ppbV		98
77) sec-butylbenzene	18.292	105	7445350	47.151	ppbV	#	88
78) p-isopropyltoluene	18.412	119	7107289	46.602	ppbV		90
79) 1,2-dichlorobenzene	18.532	146	4792702	55.517	ppbV		99
80) n-butylbenzene	18.747	91	6045313	48.870	ppbV	#	86
81) 1,2-dibromo-3-chloropr...	18.883	75	2025000	59.331	ppbV		97
82) 1,2,4-trichlorobenzene	19.967	180	5011368	61.148	ppbV		99
83) naphthalene	20.072	128	8420724	48.090	ppbV		96
84) 1,2,3-trichlorobenzene	20.312	180	4820545	59.154	ppbV		99
85) hexachlorobutadiene	20.382	225	4110844	60.113	ppbV		95

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

Sub List : Default - All compounds listed1\1121SIM_I\R236987.D

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236990.D
Acq On : 22 Nov 2025 02:30 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD050
Misc : WG2145606
ALS Vial : 8 Sample Multiplier: 1

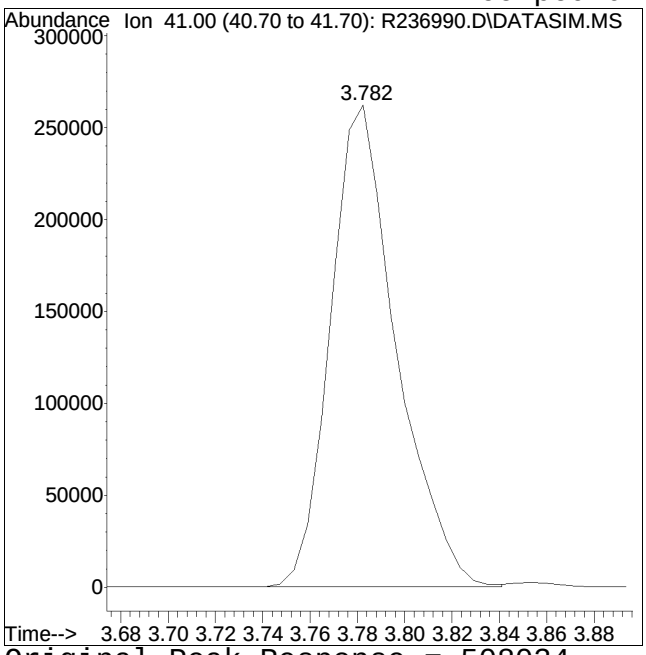
Quant Time: Nov 22 10:13:47 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 10:12:24 2025
Response via : Initial Calibration



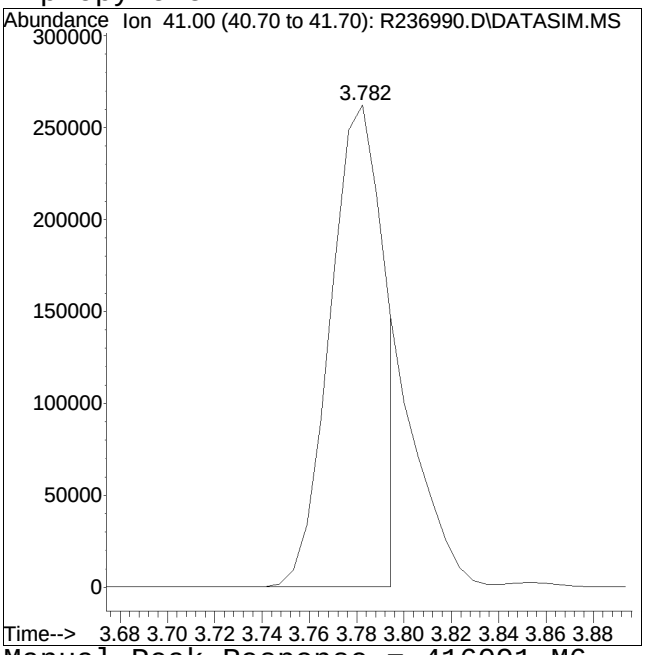
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TSIM23_251121.M
Data File : R236990.D Operator : AIRLAB23:BJB
Date Inj'd : 11/22/2025 2:30 am Instrument : Airlab 23
Sample : ITO15-SIMSTD050 Quant Date : 11/22/2025 10:13 am

Compound #2: propylene



Original Peak Response = 508034



Manual Peak Response = 416091 M6

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

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236995.D
Acq On : 22 Nov 2025 05:56 am
Operator : AIRLAB23:BJB
Sample : CTO15-SIMSTD5.0
Misc : WG2145606
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 23 16:05:21 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
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	100	0.00
2		propylene	0.382	0.384	-0.5	108	0.00
3		dichlorodifluoromethane	2.788	2.734	1.9	100	0.00
4	C	chloromethane	0.765	0.643	15.9	91	0.00
5		Freon-114	3.361	3.256	3.1	101	0.00
6	C	vinyl chloride	1.019	0.888	12.9	93	0.00
7	C	1,3-butadiene	0.624	0.558	10.6	103	0.00
8	C	bromomethane	1.223	1.157	5.4	98	0.00
9	C	chloroethane	0.588	0.513	12.8	93	0.00
10		ethanol	0.380	0.325	14.5	89	0.00
11	C	vinyl bromide	1.020	1.017	0.3	110	0.00
12	C	acrolein	0.321	0.243	24.3	80	0.00
13		acetone	0.963	0.893	7.3	104	0.00
14		trichlorofluoromethane	2.949	2.807	4.8	99	0.00
15		isopropyl alcohol	1.000	0.984	1.6	111	0.00
16	C	acrylonitrile	0.539	0.428	20.6	85	0.00
17	C	1,1-dichloroethene	1.695	1.619	4.5	98	0.00
18		tertiary butyl alcohol	1.153	1.182	-2.5	87	0.00
19	C	methylene chloride	0.930	0.905	2.7	111	0.00
20	C	3-chloropropene	0.646	0.630	2.5	108	0.00
21	C	carbon disulfide	2.374	2.204	7.2	103	0.00
22		Freon 113	2.371	2.171	8.4	97	0.00
23		trans-1,2-dichloroethene	1.158	1.090	5.9	105	0.00
24	C	1,1-dichloroethane	1.609	1.451	9.8	94	0.00
25	C	MTBE	2.300	2.194	4.6	106	0.00
26	C	vinyl acetate	1.367	0.725	47.0#	69	0.00
27	C	2-butanone	1.238	1.132	8.6	101	0.00
28		cis-1,2-dichloroethene	1.246	1.131	9.2	94	0.00
29		Ethyl Acetate	0.226	0.218	3.5	105	0.00
30	C	chloroform	2.335	2.050	12.2	93	0.00
31		Tetrahydrofuran	0.603	0.577	4.3	114	0.00
32	C	1,2-dichloroethane	1.373	1.201	12.5	92	0.00
33	I	1,4-difluorobenzene	1.000	1.000	0.0	95	0.00
34	C	hexane	0.244	0.266	-9.0	118	0.00
35	s	1,2-dichloroethane-D4	0.275	0.288	-4.7	102	0.00
36	C	1,1,1-trichloroethane	0.639	0.648	-1.4	94	0.00
37	C	benzene	0.715	0.653	8.7	90	0.00
38	C	carbon tetrachloride	0.674	0.654	3.0	97	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236995.D
Acq On : 22 Nov 2025 05:56 am
Operator : AIRLAB23:BJB
Sample : CTO15-SIMSTD5.0
Misc : WG2145606
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 23 16:05:21 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
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	0.247	0.244	1.2	106	0.00
40		Dibromomethane	0.353	0.314	11.0	89	0.00
41	C	1,2-dichloropropane	0.232	0.215	7.3	92	0.00
42		bromodichloromethane	0.548	0.557	-1.6	106	0.00
43	C	1,4-dioxane	0.158	0.160	-1.3	103	0.00
44	C	trichloroethene	0.430	0.415	3.5	96	0.00
45	C	2,2,4-trimethylpentane	0.760	0.758	0.3	110	0.00
46		heptane	0.230	0.232	-0.9	108	0.00
47	C	cis-1,3-dichloropropene	0.382	0.404	-5.8	101	0.00
48	C	4-methyl-2-pentanone	0.356	0.359	-0.8	104	0.00
49		trans-1,3-dichloropropene	0.301	0.357	-18.6	112	0.00
50	C	1,1,2-trichloroethane	0.361	0.346	4.2	94	0.00
51	I	chlorobenzene-D5	1.000	1.000	0.0	93	0.00
52	C	toluene	7.086	6.707	5.3	93	0.00
53	s	toluene-D8	6.121	6.406	-4.7	98	0.00
54		2-hexanone	2.471	2.514	-1.7	102	0.00
55		dibromochloromethane	5.039	5.260	-4.4	110	0.00
56	C	1,2-dibromoethane	4.347	4.353	-0.1	98	0.00
57	C	tetrachloroethene	4.611	4.400	4.6	97	0.00
58		1,1,1,2-tetrachloroethane	3.721	3.343	10.2	88	0.00
59	C	chlorobenzene	6.254	5.918	5.4	94	0.00
60	C	ethylbenzene	9.153	8.633	5.7	91	0.00
61	C	m+p-xylene	6.900	6.691	3.0	95	0.00
62	C	bromoform	4.718	4.933	-4.6	110	0.00
63	C	styrene	5.312	5.333	-0.4	95	0.00
64	C	1,1,2,2-tetrachloroethane	5.188	4.928	5.0	92	0.00
65	C	o-xylene	7.028	6.664	5.2	94	0.00
66		1,2,3-Trichloropropane	3.632	3.248	10.6	89	0.00
67	s	bromofluorobenzene	3.718	3.898	-4.8	99	0.00
68	C	isopropylbenzene	9.775	9.064	7.3	90	0.00
69		Bromobenzene	4.404	3.934	10.7	88	0.00
70		4-ethyl toluene	9.106	9.220	-1.3	104	0.00
71		1,3,5-trimethylbenzene	7.679	7.764	-1.1	98	0.00
72		tert-butylbenzene	9.463	8.565	9.5	90	0.00
73		1,2,4-trimethylbenzene	8.146	8.209	-0.8	96	0.00
74	C	Benzyl Chloride	5.375	4.890	9.0	84	0.00
75		1,3-dichlorobenzene	6.718	6.830	-1.7	100	0.00
76	C	1,4-dichlorobenzene	6.512	6.204	4.7	91	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236995.D
Acq On : 22 Nov 2025 05:56 am
Operator : AIRLAB23:BJB
Sample : CTO15-SIMSTD5.0
Misc : WG2145606
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 23 16:05:21 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
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	11.741	10.500	10.6	87	0.00
78		p-isopropyltoluene	11.133	10.150	8.8	87	0.00
79		1,2-dichlorobenzene	6.385	6.218	2.6	94	0.00
80		n-butylbenzene	8.938	8.676	2.9	92	0.00
81		1,2-dibromo-3-chloropropane	2.369	2.131	10.0	82	0.00
82	C	1,2,4-trichlorobenzene	5.392	6.207	-15.1	99	0.00
83		naphthalene	10.464	10.871	-3.9	81	0.00
84		1,2,3-trichlorobenzene	5.350	5.518	-3.1	89	0.00
85	C	hexachlorobutadiene	4.844	5.097	-5.2	98	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 : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236995.D
Acq On : 22 Nov 2025 05:56 am
Operator : AIRLAB23:BJB
Sample : CTO15-SIMSTD5.0
Misc : WG2145606
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 23 16:05:21 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.865	49	244984	10.000	ppbV	0.00
Standard Area = 243961			Recovery = 100.42%			
33) 1,4-difluorobenzene	11.050	114	992878	10.000	ppbV	0.00
Standard Area = 1050358			Recovery = 94.53%			
51) chlorobenzene-D5	15.728	54	130009	10.000	ppbV	0.00
Standard Area = 140272			Recovery = 92.68%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.713	65	286277	10.477	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.77%			
53) toluene-D8	13.857	98	832814	10.466	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.66%			
67) bromofluorobenzene	17.043	95	506813	10.485	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.85%			
Target Compounds						Qvalue
2) propylene	3.783	41	47065M6	5.027	ppbV	
3) dichlorodifluoromethane	3.853	85	334865	4.902	ppbV	100
4) chloromethane	4.017	50	78768	4.204	ppbV	99
5) Freon-114	4.122	85	398795	4.844	ppbV	99
6) vinyl chloride	4.239	62	108714	4.355	ppbV	100
7) 1,3-butadiene	4.380	54	68322	4.467	ppbV	96
8) bromomethane	4.655	94	141771	4.733	ppbV	100
9) chloroethane	4.836	64	62860	4.367	ppbV	99
10) ethanol	4.977	31	198871	21.362	ppbV	100
11) vinyl bromide	5.206	106	124544	4.986	ppbV	100
12) acrolein	5.335	56	29788	3.787	ppbV	100
13) acetone	5.463	43	547043	23.177	ppbV	98
14) trichlorofluoromethane	5.656	101	343845	4.759	ppbV	100
15) isopropyl alcohol	5.755	45	301236	12.297	ppbV	100
16) acrylonitrile	5.983	53	52481	3.975	ppbV	100
17) 1,1-dichloroethene	6.351	61	198260	4.774	ppbV	98
18) tertiary butyl alcohol	6.407	59	144749	5.126	ppbV	99
19) methylene chloride	6.490	49	110854	4.863	ppbV	99
20) 3-chloropropene	6.619	41	77210	4.876	ppbV	99
21) carbon disulfide	6.793	76	269923	4.641	ppbV	100
22) Freon 113	6.787	101	265960	4.578	ppbV	97
23) trans-1,2-dichloroethene	7.528	61	133566	4.709	ppbV	98
24) 1,1-dichloroethane	7.750	63	177752	4.510	ppbV	100

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236995.D
Acq On : 22 Nov 2025 05:56 am
Operator : AIRLAB23:BJB
Sample : CTO15-SIMSTD5.0
Misc : WG2145606
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 23 16:05:21 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	7.815	73	268764	4.770	ppbV		100
26) vinyl acetate	7.934	43	88834	2.653	ppbV		100
27) 2-butanone	8.188	43	138699	4.574	ppbV		100
28) cis-1,2-dichloroethene	8.678	61	138531	4.540	ppbV		95
29) Ethyl Acetate	8.947	61	26731	4.832	ppbV		92
30) chloroform	9.020	83	251114	4.390	ppbV		100
31) Tetrahydrofuran	9.444	42	70684	4.788	ppbV		94
32) 1,2-dichloroethane	9.835	62	147153	4.374	ppbV		100
34) hexane	8.930	57	132274	5.456	ppbV		84
36) 1,1,1-trichloroethane	10.120	97	321858	5.072	ppbV		99
37) benzene	10.635	78	324277	4.566	ppbV		100
38) carbon tetrachloride	10.805	117	324915	4.854	ppbV		99
39) cyclohexane	10.946	56	121015	4.933	ppbV		99
40) Dibromomethane	11.531	93	155680	4.440	ppbV	#	94
41) 1,2-dichloropropane	11.568	63	106865	4.641	ppbV		100
42) bromodichloromethane	11.794	83	276752	5.089	ppbV		100
43) 1,4-dioxane	11.832	88	79196	5.039	ppbV		99
44) trichloroethene	11.842	130	206021	4.821	ppbV		99
45) 2,2,4-trimethylpentane	11.889	57	376126	4.983	ppbV		100
46) heptane	12.200	43	115314	5.043	ppbV		99
47) cis-1,3-dichloropropene	12.840	75	200520	5.288	ppbV		100
48) 4-methyl-2-pentanone	12.873	43	178275	5.045	ppbV		100
49) trans-1,3-dichloropropene	13.449	75	177077	5.931	ppbV		100
50) 1,1,2-trichloroethane	13.649	97	171957	4.804	ppbV		99
52) toluene	13.974	91	435983	4.732	ppbV		100
54) 2-hexanone	14.266	43	163431	5.088	ppbV	#	92
55) dibromochloromethane	14.433	129	341896	5.219	ppbV		100
56) 1,2-dibromoethane	14.683	107	282943	5.006	ppbV		100
57) tetrachloroethene	15.150	166	286014	4.771	ppbV		98
58) 1,1,1,2-tetrachloroethane	15.763	131	217288	4.492	ppbV		100
59) chlorobenzene	15.772	112	384694	4.731	ppbV		99
60) ethylbenzene	16.103	91	561212	4.716	ppbV		99
61) m+p-xylene	16.259	91	869888	9.697	ppbV		100
62) bromoform	16.329	173	320640	5.227	ppbV		100
63) styrene	16.573	104	346653	5.019	ppbV		100
64) 1,1,2,2-tetrachloroethane	16.660	83	320336	4.749	ppbV		100
65) o-xylene	16.660	91	433217	4.742	ppbV		100
66) 1,2,3-Trichloropropane	16.764	75	211146	4.471	ppbV		99
68) isopropylbenzene	17.156	105	589211	4.636	ppbV		97
69) Bromobenzene	17.226	77	255749	4.466	ppbV		97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236995.D
Acq On : 22 Nov 2025 05:56 am
Operator : AIRLAB23:BJB
Sample : CTO15-SIMSTD5.0
Misc : WG2145606
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 23 16:05:21 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\R236987.D
Sub List : Default-ICV-AP2 - All compounds listed

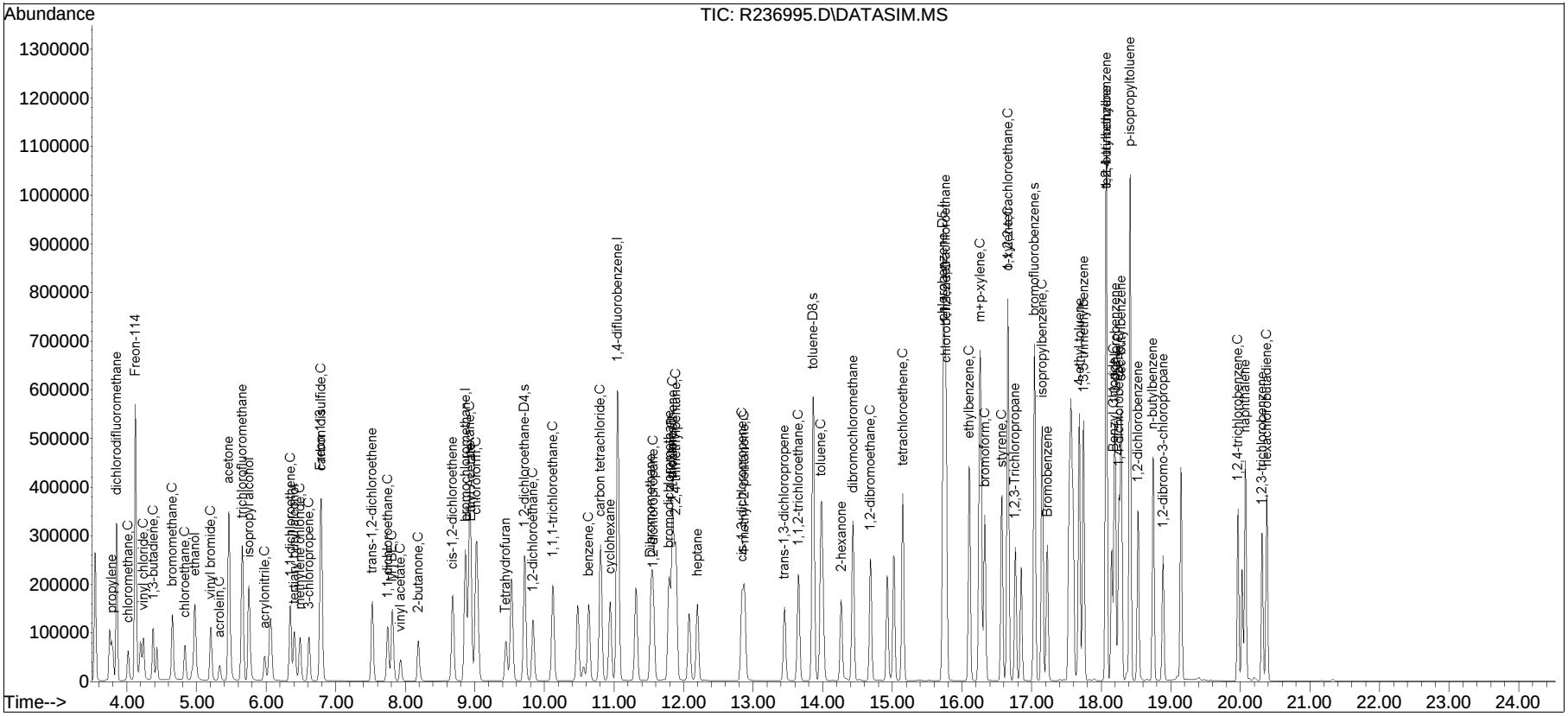
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.687	105	599342	5.063	ppbV	100
71) 1,3,5-trimethylbenzene	17.748	105	504705	5.056	ppbV	100
72) tert-butylbenzene	18.074	119	556786	4.526	ppbV	100
73) 1,2,4-trimethylbenzene	18.074	105	533654	5.039	ppbV	97
74) Benzyl Chloride	18.185	91	317901	4.550	ppbV	100
75) 1,3-dichlorobenzene	18.201	146	444012	5.083	ppbV	99
76) 1,4-dichlorobenzene	18.257	146	403290	4.764	ppbV	100
77) sec-butylbenzene	18.289	105	682556	4.472	ppbV	100
78) p-isopropyltoluene	18.417	119	659782	4.558	ppbV	99
79) 1,2-dichlorobenzene	18.529	146	404189	4.869	ppbV	99
80) n-butylbenzene	18.744	91	563967	4.853	ppbV	100
81) 1,2-dibromo-3-chloropr...	18.888	75	138535	4.498	ppbV	97
82) 1,2,4-trichlorobenzene	19.966	180	403487	5.756	ppbV	100
83) naphthalene	20.071	128	706670	5.195	ppbV	100
84) 1,2,3-trichlorobenzene	20.311	180	358683	5.157	ppbV	99
85) hexachlorobutadiene	20.381	225	331357	5.261	ppbV	98

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

Sub List : Default-ICV-AP2 - All compounds listedM_I\R236987.D

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\
Data File : R236995.D
Acq On : 22 Nov 2025 05:56 am
Operator : AIRLAB23:BJB
Sample : CTO15-SIMSTD5.0
Misc : WG2145606
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 23 16:05:21 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121SIM_I\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

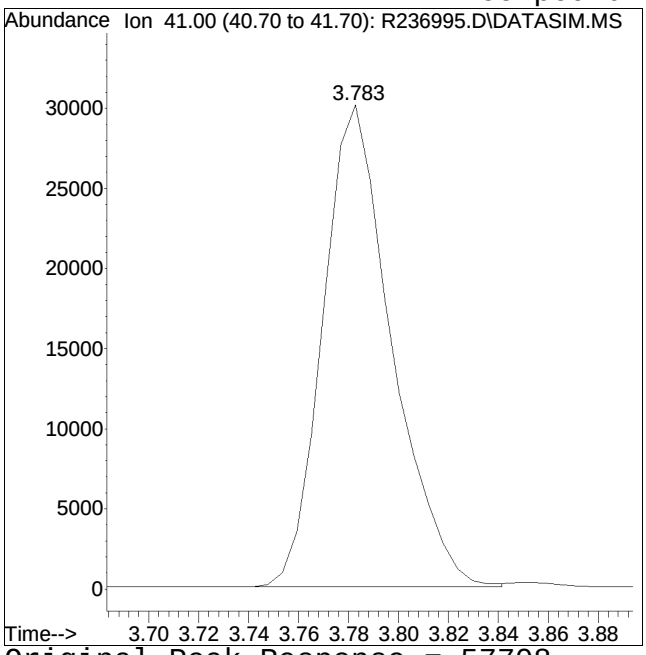


Manual Integration Report

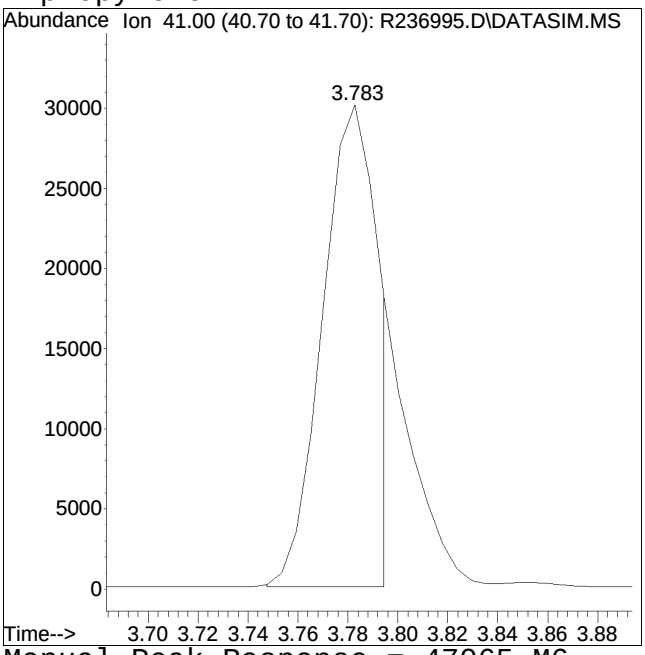
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R236995.D
Date Inj'd : 11/22/2025 5:56 am
Sample : CTO15-SIMSTD5.0

Method : TSIM23_251121.M
Operator : AIRLAB23:BJB
Instrument : Airlab 23
Quant Date : 11/23/2025 4:05 pm

Compound #2: propylene



Original Peak Response = 57708



Manual Peak Response = 47065 M6

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

Response Factor Report

Method Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Method File : TSIM4_260119.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Jan 23 08:32:55 2026
Response Via : Initial Calibration

Calibration Files
0.02=R441997_Ev2.D 0.05=R441998_Ev2.D 0.1 =R441999_Ev2.D 0.2 =R442000_Ev2.D 0.5 =R442001_Ev2.D
1.0 =R442002_Ev2.D 5.0 =R442003_Ev2.D 10.0=R442004_Ev2.D 20.0=R442005_Ev2.D 50.0=R442006_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				0.722	0.638	0.617	0.464	0.471	0.528	0.507	0.564	17.19
3)		dichlorodifluo...				1.116	1.208	1.216	1.085	1.046	1.016	0.923	1.087	9.62
4)	C	chloromethane				0.474	0.539	0.565	0.499	0.480	0.483	0.449	0.498	8.05
5)		Freon-114		1.174	1.130	1.073	1.176	1.209	1.065	1.022	1.006	0.901	1.084	9.12
6)	C	vinyl chloride	0.707	0.575	0.563	0.540	0.579	0.583	0.522	0.525	0.541	0.537	0.567	9.48
7)	C	1,3-butadiene	0.519	0.452	0.424	0.424	0.446	0.451	0.386	0.387	0.431	0.408	0.433	8.89
8)	C	bromomethane	0.509	0.451	0.420	0.414	0.431	0.430	0.381	0.382	0.393	0.373	0.418	9.76
9)	C	chloroethane			0.299	0.276	0.286	0.287	0.256	0.261	0.275	0.278	0.277	5.02
10)		ethanol					0.738	0.608	0.403	0.391	0.339	0.369	0.475	33.80
#														
11)	C	vinyl bromide				0.550	0.562	0.570	0.474	0.481	0.534	0.503	0.525	7.42
12)	C	acrolein		0.469	0.463	0.383	0.410	0.426	0.394	0.406	0.436	0.442	0.425	7.05
13)		acetone				0.802	0.828	0.845	0.669	0.657	0.687	0.595	0.726	13.40
14)		trichlorofluor...		0.911	0.885	0.887	0.941	0.956	0.850	0.845	0.838	0.743	0.873	7.32
15)		isopropyl alcohol				0.915	1.010	1.033	0.943	0.974	1.090	0.989	0.993	5.87
16)	C	acrylonitrile				0.701	0.738	0.761	0.696	0.716	0.760	0.756	0.733	3.86

Response Factor Report

Method Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Method File : TSIM4_260119.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Jan 23 08:32:55 2026
Response Via : Initial Calibration

Calibration Files
0.02=R441997_Ev2.D 0.05=R441998_Ev2.D 0.1 =R441999_Ev2.D 0.2 =R442000_Ev2.D 0.5 =R442001_Ev2.D
1.0 =R442002_Ev2.D 5.0 =R442003_Ev2.D 10.0=R442004_Ev2.D 20.0=R442005_Ev2.D 50.0=R442006_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
17)	C	1,1-dichloroet...	0.895	0.870	0.848	0.855	0.906	0.926	0.843	0.852	0.875	0.833	0.870	3.46
18)		tertiary butyl...					1.169	1.239	1.287	1.317	1.459	1.436	1.318	8.54
19)	C	methylene chlo...					0.912	0.906	0.791	0.794	0.812	0.754	0.828	7.89
20)	C	3-chloropropene				0.822	0.876	0.910	0.769	0.789	0.886	0.845	0.842	6.18
21)	C	carbon disulfide				1.966	2.077	2.113	1.739	1.734	1.882	1.664	1.882	9.41
22)		Freon 113	1.238	1.201	1.148	1.154	1.222	1.239	1.099	1.102	1.118	1.027	1.155	6.07
23)		trans-1,2-dich...	0.957	0.915	0.867	0.877	0.920	0.938	0.779	0.794	0.901	0.867	0.881	6.60
24)	C	1,1-dichloroet...	1.221	1.188	1.155	1.136	1.208	1.218	1.104	1.118	1.156	1.122	1.163	3.74
25)	C	MTBE	1.597	1.544	1.540	1.499	1.622	1.653	1.406	1.430	1.581	1.440	1.531	5.57
26)	C	vinyl acetate					1.284	1.352	1.140	1.235	1.485	1.464	1.327	10.11
27)	C	2-butanone				1.410	1.468	1.501	1.257	1.277	1.438	1.353	1.386	6.77
28)		cis-1,2-dichlo...	0.974	0.899	0.874	0.871	0.904	0.919	0.843	0.857	0.890	0.858	0.889	4.28
29)		Ethyl Acetate				0.240	0.239	0.256	0.213	0.224	0.256	0.249	0.240	6.71
30)	C	chloroform	1.431	1.351	1.356	1.243	1.327	1.343	1.206	1.200	1.188	1.054	1.270	8.77
31)		Tetrahydrofuran				0.673	0.755	0.768	0.636	0.651	0.736	0.703	0.703	7.36
32)	C	1,2-dichloroet...	0.763	0.641	0.589	0.573	0.594	0.608	0.545	0.547	0.549	0.490	0.590	12.48

Response Factor Report

Method Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Method File : TSIM4_260119.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Jan 23 08:32:55 2026
Response Via : Initial Calibration

Calibration Files
0.02=R441997_Ev2.D 0.05=R441998_Ev2.D 0.1 =R441999_Ev2.D 0.2 =R442000_Ev2.D 0.5 =R442001_Ev2.D
1.0 =R442002_Ev2.D 5.0 =R442003_Ev2.D 10.0=R442004_Ev2.D 20.0=R442005_Ev2.D 50.0=R442006_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
33)	I	1,4-difluorobenzene	----------ISTD----------											
34)	C	hexane				0.453	0.482	0.487	0.405	0.406	0.451	0.416	0.443	7.82
35)	s	1,2-dichloroet...						0.160	0.157	0.156	0.155	0.147	0.155	3.26
36)	C	1,1,1-trichlor...	0.311	0.282	0.339	0.332	0.338	0.349	0.317	0.311	0.322	0.287	0.319	6.90
37)	C	benzene		1.002	0.938	0.909	0.949	0.959	0.873	0.873	0.889	0.827	0.913	5.89
38)	C	carbon tetrach...	0.203	0.238	0.236	0.226	0.253	0.263	0.251	0.255	0.259	0.225	0.241	7.89
39)		cyclohexane				0.473	0.508	0.523	0.446	0.448	0.510	0.494	0.486	6.36
40)		Dibromomethane		0.295	0.256	0.246	0.258	0.256	0.230	0.231	0.239	0.222	0.248	8.87
41)	C	1,2-dichloropr...	0.328	0.301	0.289	0.294	0.301	0.304	0.281	0.283	0.292	0.281	0.295	4.82
42)		bromodichlorom...	0.430	0.395	0.380	0.382	0.406	0.420	0.362	0.369	0.409	0.367	0.392	5.98
43)	C	1,4-dioxane			0.191	0.197	0.202	0.189	0.179	0.182	0.210	0.198	0.194	5.39
44)	C	trichloroethene	0.403	0.358	0.337	0.341	0.358	0.367	0.336	0.341	0.349	0.326	0.352	6.23
45)	C	2,2,4-trimethy...		1.443	1.419	1.412	1.513	1.539	1.311	1.306	1.451	1.337	1.414	5.91
46)		heptane				0.460	0.492	0.504	0.433	0.435	0.474	0.429	0.461	6.53
47)	C	cis-1,3-dichlo...	0.400	0.356	0.363	0.364	0.385	0.400	0.376	0.388	0.409	0.371	0.381	4.76
48)	C	4-methyl-2-pen...						0.551	0.572	0.511	0.514	0.565	0.505	0.536	5.57

Response Factor Report

Method Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Method File : TSIM4_260119.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Jan 23 08:32:55 2026
Response Via : Initial Calibration

Calibration Files
0.02=R441997_Ev2.D 0.05=R441998_Ev2.D 0.1 =R441999_Ev2.D 0.2 =R442000_Ev2.D 0.5 =R442001_Ev2.D
1.0 =R442002_Ev2.D 5.0 =R442003_Ev2.D 10.0=R442004_Ev2.D 20.0=R442005_Ev2.D 50.0=R442006_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
49)		trans-1,3-dich...	0.232	0.225	0.232	0.237	0.250	0.269	0.260	0.271	0.284	0.259	0.252	7.90
50)	C	1,1,2-trichlor...	0.293	0.309	0.301	0.295	0.315	0.322	0.296	0.298	0.309	0.293	0.303	3.34
51)	I	chlorobenzene-D5	----------ISTD----------											
52)	C	toluene				7.713	7.551	7.840	8.044	7.306	7.381	7.506	7.022	7.545	4.26
53)	s	toluene-D8							5.938	5.823	6.018	6.149	6.520	6.090	4.40
54)		2-hexanone					3.079	3.456	3.741	3.444	3.511	3.875	3.359	3.495	7.40
55)		dibromochlorom...	2.496	2.295	2.240	2.181	2.366	2.536	2.314	2.424	2.734	2.532	2.412	6.90
56)	C	1,2-dibromoethane	3.095	2.886	3.013	3.039	3.189	3.403	3.144	3.187	3.262	2.975	3.119	4.84
57)	C	tetrachloroethene	3.854	3.764	3.709	3.596	3.813	3.891	3.506	3.479	3.484	3.053	3.615	6.95
58)		1,1,1,2-tetrac...	2.398	2.080	2.086	1.934	2.123	2.237	2.186	2.247	2.288	2.038	2.162	6.29
59)	C	chlorobenzene	6.554	6.292	6.243	6.132	6.459	6.669	6.110	5.998	5.926	5.138	6.152	6.97
60)	C	ethylbenzene	9.769	9.089	8.833	8.647	9.231	9.732	9.211	9.185	9.293	8.365	9.136	4.79
61)	C	m+p-xylene	7.638	7.303	7.251	6.986	7.565	7.970	7.524	7.293	7.181	6.178	7.289	6.56
62)	C	bromoform	2.167	1.982	1.990	1.893	2.138	2.423	2.429	2.583	2.945	2.663	2.321	14.80
63)	C	styrene	5.990	5.431	5.530	4.994	5.369	5.814	5.890	5.898	6.059	5.476	5.645	6.00
64)	C	1,1,2,2-tetrac...	6.266	5.851	5.947	5.577	6.040	6.382	5.979	5.692	5.498	4.597	5.783	8.68

Method Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Method File : TSIM4_260119.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Jan 23 08:32:55 2026
Response Via : Initial Calibration

Calibration Files
0.02=R441997_Ev2.D 0.05=R441998_Ev2.D 0.1 =R441999_Ev2.D 0.2 =R442000_Ev2.D 0.5 =R442001_Ev2.D
1.0 =R442002_Ev2.D 5.0 =R442003_Ev2.D 10.0=R442004_Ev2.D 20.0=R442005_Ev2.D 50.0=R442006_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
65)	C	o-xylene	7.909	7.564	7.356	7.062	7.679	8.059	7.529	7.273	6.888	5.787	7.311	8.81
66)		1,2,3-Trichlor...	4.365	4.003	4.210	3.906	4.172	4.427	4.166	4.033	4.076	3.526	4.088	6.21
67)	s	bromofluoroben...						3.900	4.081	4.130	4.126	4.430	4.134	4.61
68)	C	isopropylbenzene				0.945	1.022	1.062	0.998	0.970	0.945	0.804	0.964	8.50
69)		Bromobenzene	5.426	5.406	5.450	5.410	5.780	6.256	5.893	5.698	5.614	4.736	5.567	7.14
70)		4-ethyl toluene	8.215	8.359	8.525	8.131	8.884	9.666	8.890	8.658	9.126	7.817	8.627	6.25
71)		1,3,5-trimethy...	7.669	7.831	7.992	7.502	8.363	8.701	8.613	8.345	7.886	6.580	7.948	7.85
72)		tert-butylbenzene				0.903	0.999	1.042	0.963	0.904	0.819	0.637	0.895	15.10
73)		1,2,4-trimethy...	7.389	7.868	8.134	7.436	8.187	8.813	8.514	8.032	7.274	5.872	7.752	10.64
74)	C	Benzyl Chloride			2.790	2.644	3.125	4.016	4.820	5.195	5.883	5.523	4.249	30.21
#														
75)		1,3-dichlorobe...	4.436	4.492	4.812	4.454	4.847	5.656	5.561	5.323	5.183	4.653	4.942	9.30
76)	C	1,4-dichlorobe...	4.019	4.216	4.382	4.226	4.429	5.354	5.326	5.142	5.221	4.495	4.681	11.08
77)		sec-butylbenzene				1.175	1.293	1.361	1.280	1.237	1.154	0.953	1.208	10.99
78)		p-isopropyltol...				1.008	1.152	1.228	1.172	1.096	0.974	0.756	1.055	15.13
79)		1,2-dichlorobe...	4.547	4.544	4.697	4.187	4.587	5.263	5.275	5.138	5.059	4.534	4.783	7.80
80)		n-butylbenzene				6.594	7.757	8.715	9.044	9.154	8.787	7.686	8.248	11.35

Response Factor Report

Method Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Method File : TSIM4_260119.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Jan 23 08:32:55 2026
Response Via : Initial Calibration

Calibration Files
0.02=R441997_Ev2.D 0.05=R441998_Ev2.D 0.1 =R441999_Ev2.D 0.2 =R442000_Ev2.D 0.5 =R442001_Ev2.D
1.0 =R442002_Ev2.D 5.0 =R442003_Ev2.D 10.0=R442004_Ev2.D 20.0=R442005_Ev2.D 50.0=R442006_Ev2.D

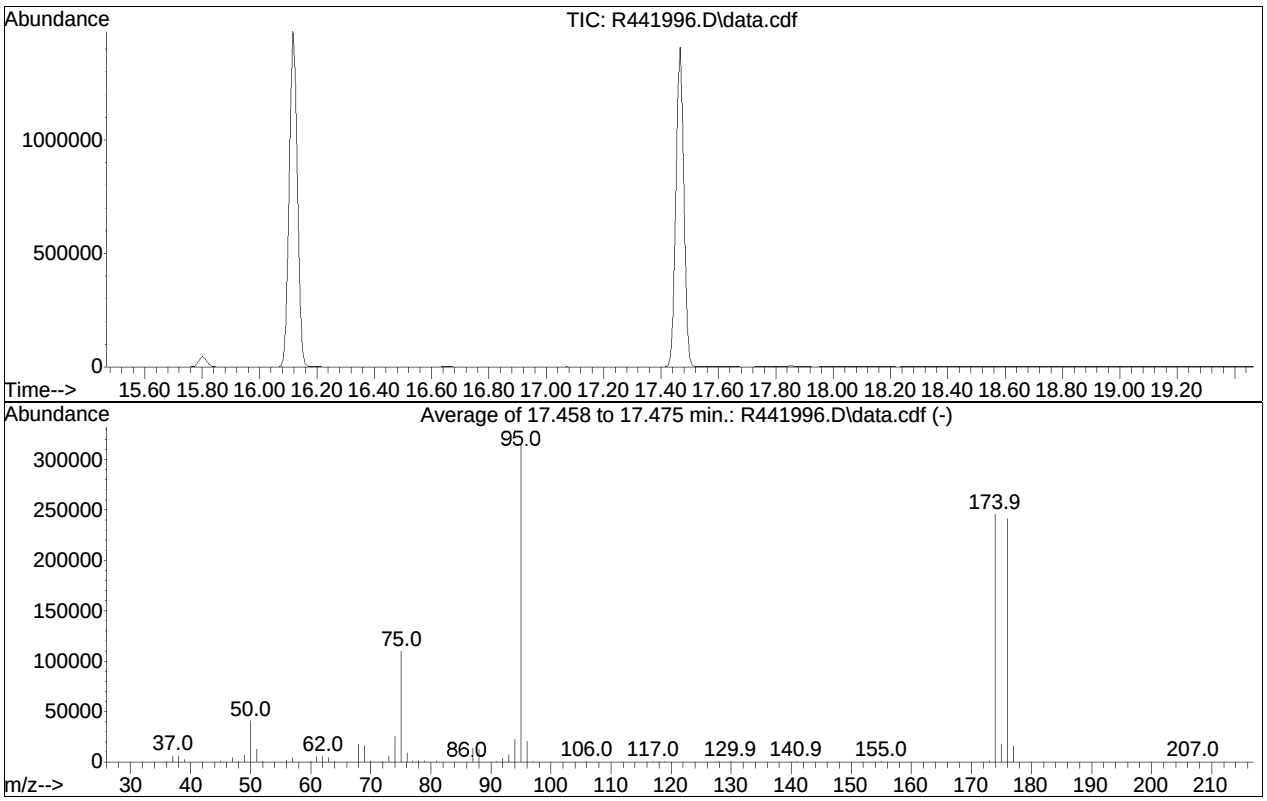
		Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
81)		1,2-dibromo-3-...	1.150	1.315	1.467	1.062	1.408	1.762	1.984	2.039	1.938	1.588	1.571	22.26
82)	C	1,2,4-trichlor...		2.307	2.557	1.953	2.218	2.905	3.663	4.030	4.091	3.971	3.077	28.08
83)		naphthalene		5.179	6.189	4.388	5.327	6.970	9.019	9.847	9.651	9.252	7.314	29.40
84)		1,2,3-trichlor...		2.775	3.244	2.125	2.612	3.286	4.026	4.313	4.149	3.996	3.392	22.87
85)	C	hexachlorobuta...		4.608	4.712	3.381	4.063	4.425	4.444	4.241	3.660	3.064	4.066	14.16

(#) = Out of Range

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R441996.D
Acq On : 19 Jan 2026 10:01 PM
Operator : AIRPIANO4:RAY
Sample : WG2168338-1,3,250,250
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Jan 23 08:32:55 2026



Spectrum Information: Average of 17.458 to 17.475 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	12.9	40918	PASS
75	95	30	66	34.8	110144	PASS
95	95	100	100	100.0	316663	PASS
96	95	5	9	6.6	20914	PASS
173	174	0.00	2	0.5	1156	PASS
174	95	50	120	77.6	245643	PASS
175	174	4	9	7.2	17769	PASS
176	174	93	101	98.3	241482	PASS
177	176	5	9	6.5	15817	PASS

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R441997_Ev2.D
Acq On : 19 Jan 2026 10:36 PM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD0.02
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:33:11 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.233	49	299358	10.000	ppbV	0.00
Standard Area = 308436			Recovery = 97.06%			
33) 1,4-difluorobenzene	11.460	114	849369	10.000	ppbV	0.00
Standard Area = 880469			Recovery = 96.47%			
51) chlorobenzene-D5	16.108	54	112598	10.000	ppbV	0.00
Standard Area = 119553			Recovery = 94.18%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	10.100	65	82	0.006	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.06%#			
53) toluene-D8	14.283	98	402	0.006	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.06%#			
67) bromofluorobenzene	17.475	95	860	0.019	ppbV	0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.19%#			
Target Compounds						Qvalue
2) propylene	4.084	41	1517M6	0.109	ppbV	
3) dichlorodifluoromethane	4.162	85	679	0.021	ppbV #	86
4) chloromethane	4.330	50	343	0.023	ppbV #	73
5) Freon-114	4.438	85	728	0.023	ppbV	94
6) vinyl chloride	4.558	62	423	0.027	ppbV #	83
7) 1,3-butadiene	4.702	54	311	0.027	ppbV	91
8) bromomethane	4.990	94	305	0.027	ppbV	100
9) chloroethane	5.188	64	222	0.029	ppbV #	64
10) ethanol	5.383	31	4803	0.399	ppbV	94
11) vinyl bromide	5.560	106	392M4	0.028	ppbV	
12) acrolein	5.730	56	364	0.031	ppbV #	60
13) acetone	5.913	43	3522	0.176	ppbV #	95
14) trichlorofluoromethane	6.023	101	612M4	0.024	ppbV	
15) isopropyl alcohol	6.210	45	2469	0.088	ppbV #	91
16) acrylonitrile	6.367	53	476M4	0.023	ppbV	
17) 1,1-dichloroethene	6.708	61	536	0.021	ppbV #	90
18) tertiary butyl alcohol	6.912	59	715	0.019	ppbV #	85
19) methylene chloride	6.846	49	1220	0.051	ppbV	98
20) 3-chloropropene	6.978	41	536	0.023	ppbV #	87
21) carbon disulfide	7.158	76	1453	0.028	ppbV #	1
22) Freon 113	7.146	101	741	0.023	ppbV	93
23) trans-1,2-dichloroethene	7.883	61	573	0.025	ppbV	92
24) 1,1-dichloroethane	8.108	63	731	0.022	ppbV	93

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R441997_Ev2.D
Acq On : 19 Jan 2026 10:36 PM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD0.02
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:33:11 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	8.292	73	956	0.023	ppbV	#	71
26) vinyl acetate	8.325	43	1191	0.035	ppbV	#	89
27) 2-butanone	8.650	43	974	0.026	ppbV	#	89
28) cis-1,2-dichloroethene	9.050	61	583	0.023	ppbV		97
29) Ethyl Acetate	9.408	61	266	0.042	ppbV	#	1
30) chloroform	9.392	83	857	0.024	ppbV	#	95
31) Tetrahydrofuran	9.933	42	420	0.022	ppbV		92
32) 1,2-dichloroethane	10.225	62	457	0.028	ppbV	#	83
34) hexane	9.300	57	1281	0.037	ppbV	#	45
36) 1,1,1-trichloroethane	10.517	97	529	0.020	ppbV	#	91
37) benzene	11.040	78	1951	0.026	ppbV	#	92
38) carbon tetrachloride	11.213	117	344	0.016	ppbV	#	88
39) cyclohexane	11.353	56	925	0.024	ppbV	#	94
40) Dibromomethane	11.953	93	598	0.031	ppbV	#	99
41) 1,2-dichloropropane	11.987	63	557	0.023	ppbV		94
42) bromodichloromethane	12.213	83	730	0.024	ppbV	#	95
43) 1,4-dioxane	12.353	88	306	0.020	ppbV		97
44) trichloroethene	12.260	130	685	0.024	ppbV	#	75
45) 2,2,4-trimethylpentane	12.307	57	2648	0.024	ppbV	#	93
46) heptane	12.613	43	824	0.022	ppbV	#	91
47) cis-1,3-dichloropropene	13.267	75	680	0.021	ppbV	#	81
48) 4-methyl-2-pentanone	13.392	43	963	0.022	ppbV	#	93
49) trans-1,3-dichloropropene	13.883	75	394	0.018	ppbV	#	89
50) 1,1,2-trichloroethane	14.083	97	498	0.020	ppbV		97
52) toluene	14.392	91	2242	0.027	ppbV		95
54) 2-hexanone	14.725	43	654	0.017	ppbV	#	93
55) dibromochloromethane	14.825	129	562	0.022	ppbV	#	92
56) 1,2-dibromoethane	15.075	107	697	0.020	ppbV		93
57) tetrachloroethene	15.525	166	868	0.022	ppbV		95
58) 1,1,1,2-tetrachloroethane	16.142	131	540	0.022	ppbV		99
59) chlorobenzene	16.150	112	1476	0.021	ppbV		92
60) ethylbenzene	16.500	91	2200	0.021	ppbV		92
61) m+p-xylene	16.658	91	3440	0.041	ppbV		98
62) bromoform	16.725	173	488	0.018	ppbV	#	86
63) styrene	16.983	104	1349	0.020	ppbV		97
64) 1,1,2,2-tetrachloroethane	17.075	83	1411	0.021	ppbV		93
65) o-xylene	17.075	91	1781	0.021	ppbV		98
66) 1,2,3-Trichloropropane	17.192	75	983	0.021	ppbV	#	93
68) isopropylbenzene	17.592	105	2205	0.020	ppbV		97
69) Bromobenzene	17.667	77	1222	0.018	ppbV		93

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R441997_Ev2.D
Acq On : 19 Jan 2026 10:36 PM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD0.02
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:33:11 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

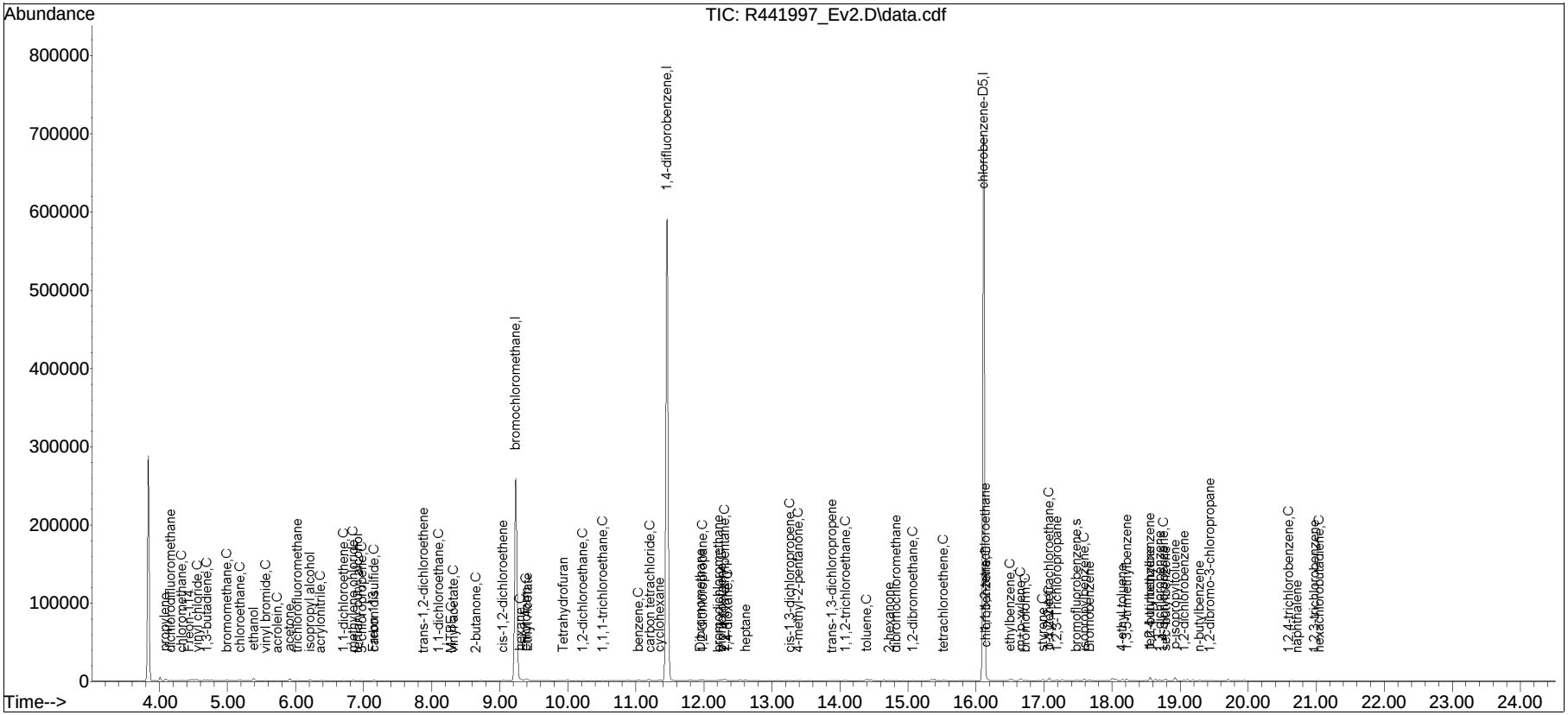
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	18.150	105	1850	0.018	ppbV #	98
71) 1,3,5-trimethylbenzene	18.217	105	1727	0.018	ppbV #	97
72) tert-butylbenzene	18.558	119	2069	0.019	ppbV	99
73) 1,2,4-trimethylbenzene	18.558	105	1664	0.017	ppbV	91
74) Benzyl Chloride	18.683		0	N.D.		
75) 1,3-dichlorobenzene	18.700	146	999	0.016	ppbV #	93
76) 1,4-dichlorobenzene	18.758	146	905	0.015	ppbV #	91
77) sec-butylbenzene	18.792	105	2656	0.018	ppbV	96
78) p-isopropyltoluene	18.925	119	2219	0.017	ppbV	98
79) 1,2-dichlorobenzene	19.058	146	1024	0.017	ppbV #	95
80) n-butylbenzene	19.283	91	1495	0.015	ppbV	98
81) 1,2-dibromo-3-chloropr...	19.442	75	259	0.012	ppbV #	85
82) 1,2,4-trichlorobenzene	20.600	180	421	0.010	ppbV #	80
83) naphthalene	20.717	128	1053	0.010	ppbV #	86
84) 1,2,3-trichlorobenzene	20.975	180	522	0.012	ppbV #	83
85) hexachlorobutadiene	21.042	225	1011	0.020	ppbV #	94

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

Sub List : Default - All compounds listed01\0119SIM_I\R442003_Ev2.D

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R441997_Ev2.D
Acq On : 19 Jan 2026 10:36 PM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD0.02
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

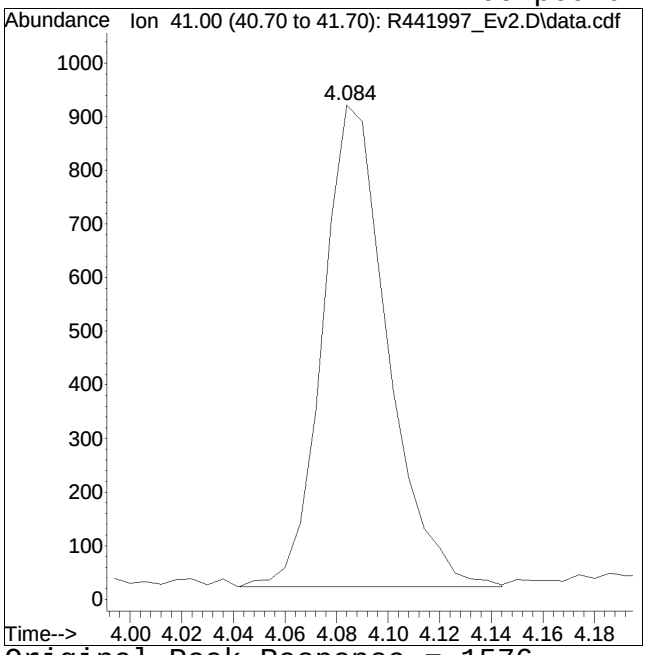
Quant Time: Jan 22 10:33:11 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration



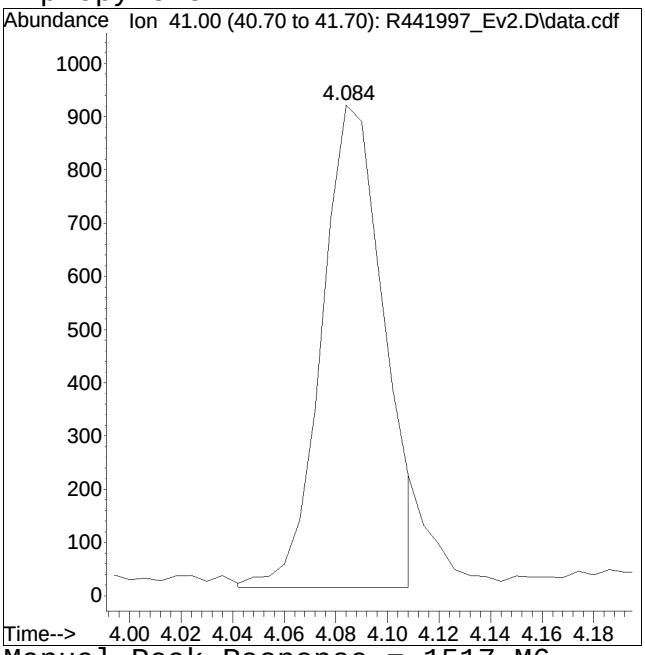
Manual Integration Report

Data Path : X:\Airlab\Data\Airpiano4\2QMethod : TSIM4_260119.M
Data File : R441997_Ev2.D Operator : AIRPIANO4:RAY
Date Inj'd : 1/19/2026 10:36 PM Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 1/22/2026 10:33 am

Compound #2: propylene



Original Peak Response = 1576



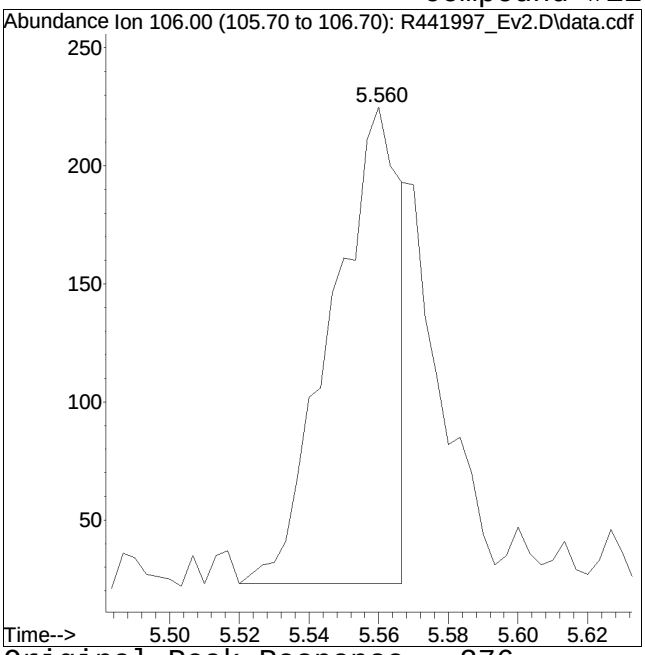
Manual Peak Response = 1517 M6

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

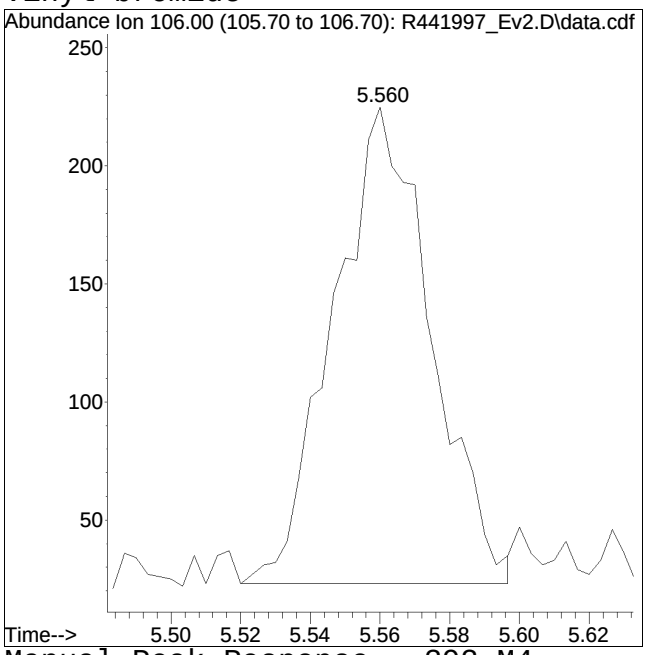
Manual Integration Report

Data Path : X:\Airlab\Data\Airpiano4\2QMethod : TSIM4_260119.M
Data File : R441997_Ev2.D Operator : AIRPIANO4:RAY
Date Inj'd : 1/19/2026 10:36 PM Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 1/22/2026 10:33 am

Compound #11: vinyl bromide



Original Peak Response = 276



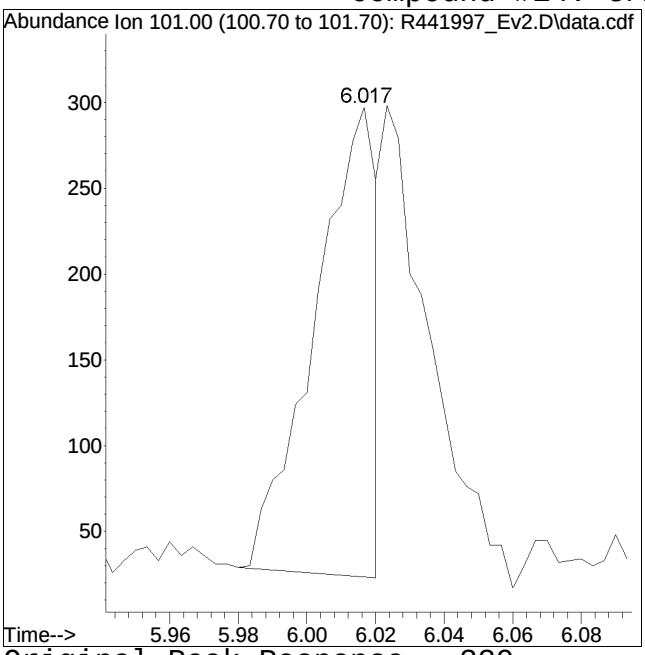
Manual Peak Response = 392 M4

M4 = Poor automated baseline construction.

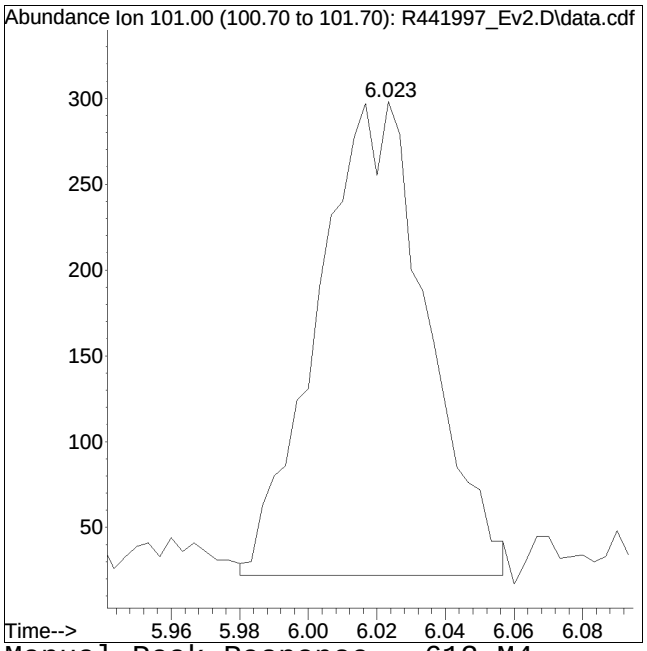
Manual Integration Report

Data Path : X:\Airlab\Data\Airpiano4\2QMethod : TSIM4_260119.M
Data File : R441997_Ev2.D Operator : AIRPIANO4:RAY
Date Inj'd : 1/19/2026 10:36 PM Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 1/22/2026 10:33 am

Compound #14: trichlorofluoromethane



Original Peak Response = 339



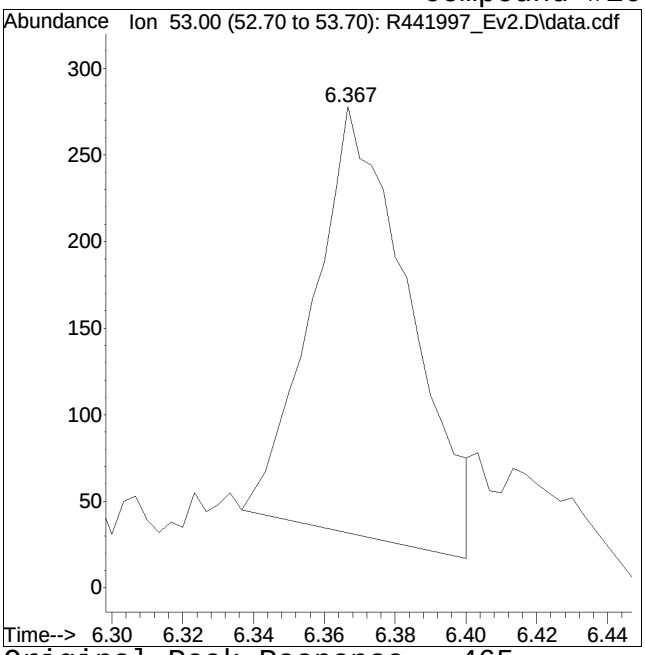
Manual Peak Response = 612 M4

M4 = Poor automated baseline construction.

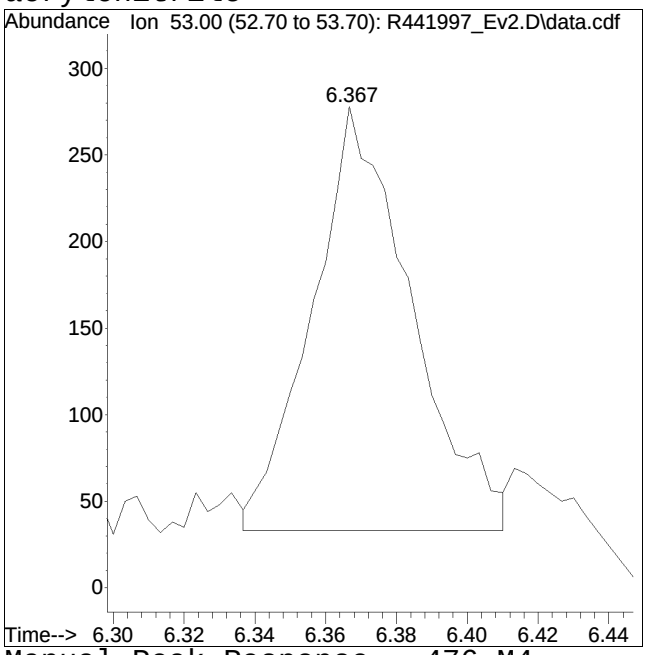
Manual Integration Report

Data Path : X:\Airlab\Data\Airpiano4\2QMethod : TSIM4_260119.M
Data File : R441997_Ev2.D Operator : AIRPIANO4:RAY
Date Inj'd : 1/19/2026 10:36 PM Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 1/22/2026 10:33 am

Compound #16: acrylonitrile



Original Peak Response = 465



Manual Peak Response = 476 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R441998_Ev2.D
Acq On : 19 Jan 2026 11:12 PM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD0.05
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:33:19 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.242	49	300995	10.000	ppbV	0.00
Standard Area = 308436			Recovery = 97.59%			
33) 1,4-difluorobenzene	11.460	114	851671	10.000	ppbV	0.00
Standard Area = 880469			Recovery = 96.73%			
51) chlorobenzene-D5	16.108	54	112423	10.000	ppbV	0.00
Standard Area = 119553			Recovery = 94.04%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	10.242	65	130	0.010	ppbV	0.14
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.10%#			
53) toluene-D8	14.283	98	284	0.004	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.04%#			
67) bromofluorobenzene	17.467	95	293	0.006	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.06%#			
Target Compounds						Qvalue
2) propylene	4.084	41	1962M6	0.140	ppbV	
3) dichlorodifluoromethane	4.162	85	1783	0.055	ppbV	100
4) chloromethane	4.330	50	845	0.056	ppbV	93
5) Freon-114	4.438	85	1767	0.055	ppbV	98
6) vinyl chloride	4.564	62	865	0.055	ppbV	99
7) 1,3-butadiene	4.708	54	680	0.058	ppbV	93
8) bromomethane	4.996	94	678	0.059	ppbV	93
9) chloroethane	5.188	64	467	0.061	ppbV #	87
10) ethanol	5.397	31	8924	0.736	ppbV	99
11) vinyl bromide	5.563	106	850	0.060	ppbV	97
12) acrolein	5.737	56	706	0.060	ppbV #	94
13) acetone	5.923	43	7497	0.372	ppbV #	100
14) trichlorofluoromethane	6.023	101	1371	0.054	ppbV	95
15) isopropyl alcohol	6.227	45	5032	0.177	ppbV #	97
16) acrylonitrile	6.373	53	1136M4	0.054	ppbV	
17) 1,1-dichloroethene	6.714	61	1310	0.052	ppbV	98
18) tertiary butyl alcohol	6.936	59	1703	0.044	ppbV	95
19) methylene chloride	6.852	49	1978	0.083	ppbV	98
20) 3-chloropropene	6.984	41	1290	0.056	ppbV	96
21) carbon disulfide	7.158	76	3106	0.059	ppbV #	49
22) Freon 113	7.152	101	1807	0.055	ppbV	97
23) trans-1,2-dichloroethene	7.892	61	1377	0.059	ppbV	91
24) 1,1-dichloroethane	8.117	63	1788	0.054	ppbV	94

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R441998_Ev2.D
Acq On : 19 Jan 2026 11:12 PM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD0.05
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:33:19 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	8.300	73	2323	0.055	ppbV	#	74
26) vinyl acetate	8.333	43	2899	0.084	ppbV		97
27) 2-butanone	8.658	43	2157	0.057	ppbV	#	97
28) cis-1,2-dichloroethene	9.058	61	1353	0.053	ppbV		99
29) Ethyl Acetate	9.417	61	485	0.075	ppbV	#	1
30) chloroform	9.392	83	2033	0.056	ppbV	#	98
31) Tetrahydrofuran	9.933	42	1099	0.057	ppbV		95
32) 1,2-dichloroethane	10.233	62	965	0.059	ppbV	#	93
34) hexane	9.308	57	3159	0.092	ppbV	#	41
36) 1,1,1-trichloroethane	10.517	97	1200	0.044	ppbV	#	89
37) benzene	11.040	78	4265	0.057	ppbV		99
38) carbon tetrachloride	11.213	117	1012	0.047	ppbV	#	97
39) cyclohexane	11.360	56	2102	0.055	ppbV		97
40) Dibromomethane	11.953	93	1258	0.064	ppbV	#	94
41) 1,2-dichloropropane	11.993	63	1281	0.054	ppbV		94
42) bromodichloromethane	12.213	83	1680	0.054	ppbV	#	95
43) 1,4-dioxane	12.367	88	754	0.049	ppbV		91
44) trichloroethene	12.260	130	1524	0.053	ppbV		98
45) 2,2,4-trimethylpentane	12.307	57	6143	0.055	ppbV		98
46) heptane	12.620	43	1987	0.054	ppbV		99
47) cis-1,3-dichloropropene	13.275	75	1514	0.047	ppbV		92
48) 4-methyl-2-pentanone	13.392	43	2050	0.047	ppbV	#	97
49) trans-1,3-dichloropropene	13.892	75	959	0.043	ppbV		95
50) 1,1,2-trichloroethane	14.083	97	1316	0.052	ppbV		97
52) toluene	14.392	91	4671	0.057	ppbV		99
54) 2-hexanone	14.733	43	1279	0.033	ppbV	#	95
55) dibromochloromethane	14.825	129	1290	0.050	ppbV		95
56) 1,2-dibromoethane	15.075	107	1622	0.046	ppbV		96
57) tetrachloroethene	15.525	166	2116	0.054	ppbV		98
58) 1,1,1,2-tetrachloroethane	16.142	131	1169	0.048	ppbV		96
59) chlorobenzene	16.150	112	3537	0.051	ppbV		94
60) ethylbenzene	16.492	91	5109	0.049	ppbV		98
61) m+p-xylene	16.650	91	8210	0.097	ppbV		99
62) bromoform	16.717	173	1114	0.041	ppbV		95
63) styrene	16.975	104	3053	0.046	ppbV		99
64) 1,1,2,2-tetrachloroethane	17.067	83	3289	0.049	ppbV		98
65) o-xylene	17.067	91	4252	0.050	ppbV		100
66) 1,2,3-Trichloropropane	17.175	75	2250	0.048	ppbV		94
68) isopropylbenzene	17.583	105	5371	0.048	ppbV		99
69) Bromobenzene	17.658	77	3039	0.046	ppbV		94

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R441998_Ev2.D
Acq On : 19 Jan 2026 11:12 PM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD0.05
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:33:19 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

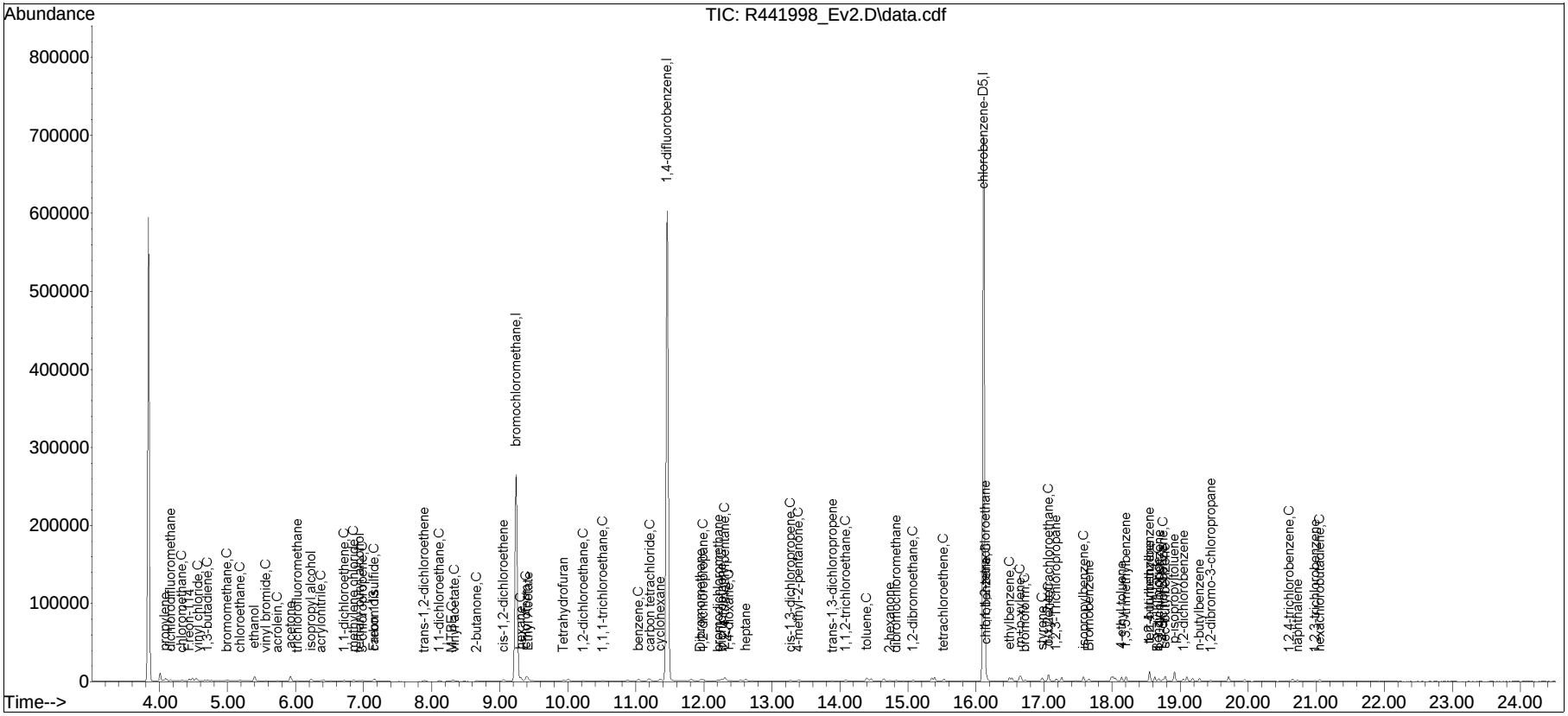
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	18.142	105	4699	0.047	ppbV	99
71) 1,3,5-trimethylbenzene	18.200	105	4402	0.045	ppbV	94
72) tert-butylbenzene	18.550	119	5387	0.050	ppbV	99
73) 1,2,4-trimethylbenzene	18.550	105	4423	0.046	ppbV	92
74) Benzyl Chloride	18.675	91	1437	0.027	ppbV #	90
75) 1,3-dichlorobenzene	18.692	146	2525	0.040	ppbV	95
76) 1,4-dichlorobenzene	18.750	146	2370	0.040	ppbV	95
77) sec-butylbenzene	18.783	105	6949	0.048	ppbV	98
78) p-isopropyltoluene	18.917	119	6074	0.046	ppbV	99
79) 1,2-dichlorobenzene	19.050	146	2554	0.043	ppbV	97
80) n-butylbenzene	19.283	91	4158	0.041	ppbV	98
81) 1,2-dibromo-3-chloropr...	19.450	75	739	0.033	ppbV #	93
82) 1,2,4-trichlorobenzene	20.608	180	1297	0.031	ppbV #	93
83) naphthalene	20.725	128	2911	0.029	ppbV #	96
84) 1,2,3-trichlorobenzene	20.983	180	1560	0.034	ppbV	94
85) hexachlorobutadiene	21.050	225	2590	0.052	ppbV	96

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

Sub List : Default - All compounds listed01\0119SIM_I\R442003_Ev2.D

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R441998_Ev2.D
Acq On : 19 Jan 2026 11:12 PM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD0.05
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

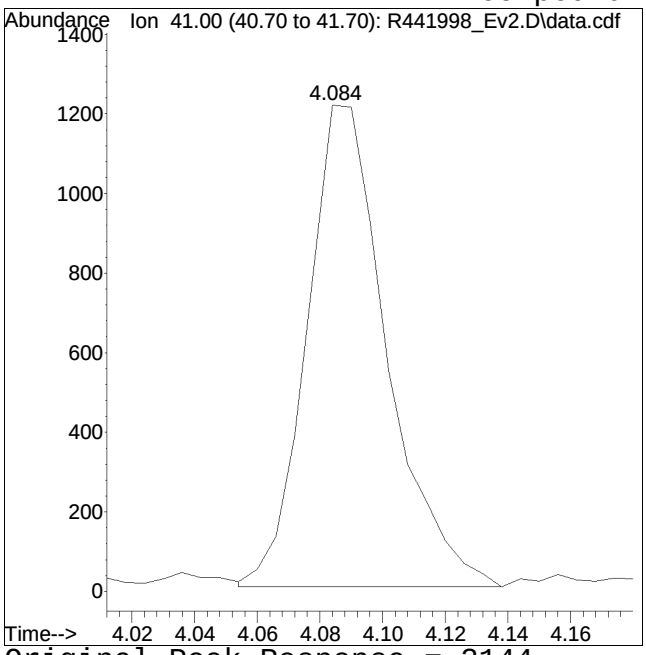
Quant Time: Jan 22 10:33:19 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration



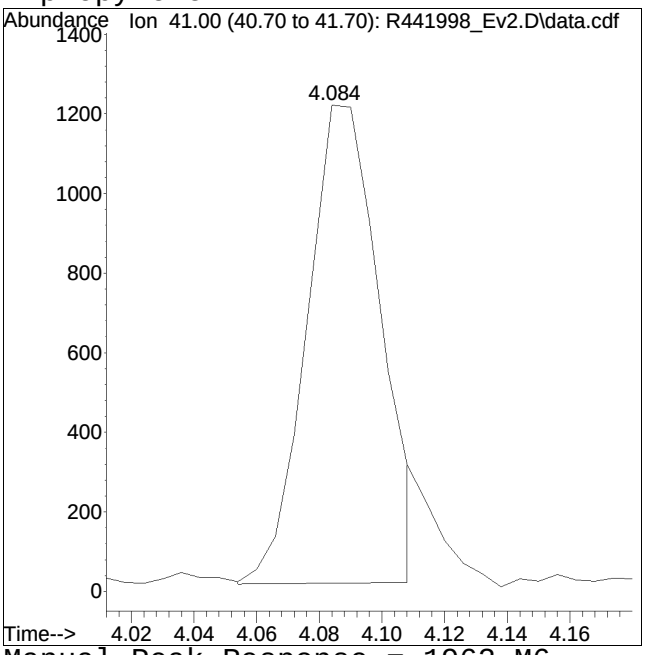
Manual Integration Report

Data Path : X:\Airlab\Data\Airpiano4\2QMethod : TSIM4_260119.M
Data File : R441998_Ev2.D Operator : AIRPIANO4:RAY
Date Inj'd : 1/19/2026 11:12 PM Instrument :
Sample : ITO15-SIMSTD0.05 Quant Date : 1/22/2026 10:33 am

Compound #2: propylene



Original Peak Response = 2144



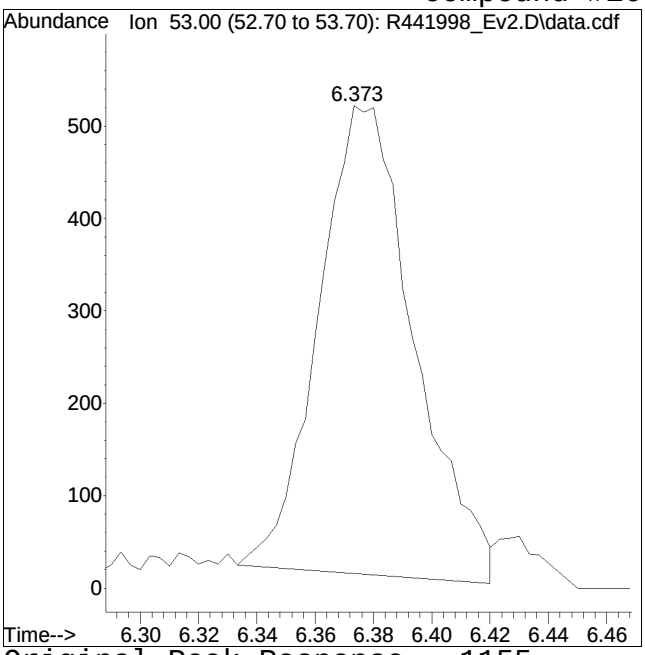
Manual Peak Response = 1962 M6

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

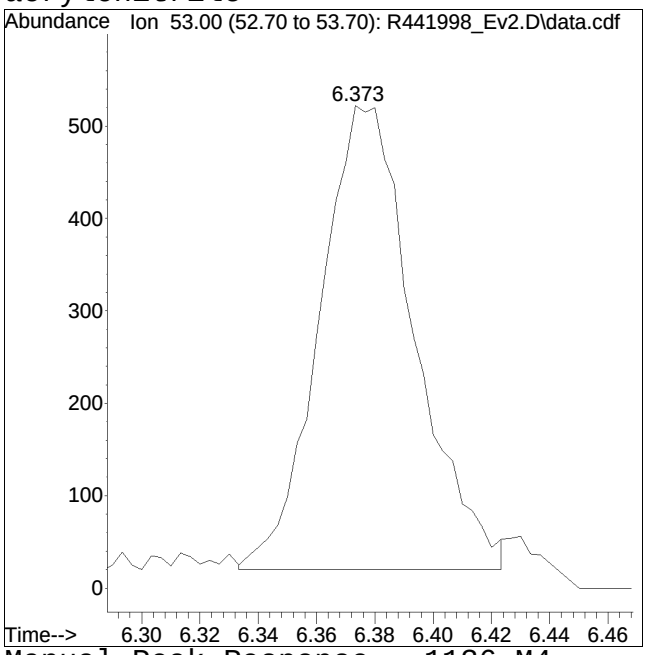
Manual Integration Report

Data Path : X:\Airlab\Data\Airpiano4\2QMethod : TSIM4_260119.M
Data File : R441998_Ev2.D Operator : AIRPIANO4:RAY
Date Inj'd : 1/19/2026 11:12 PM Instrument :
Sample : ITO15-SIMSTD0.05 Quant Date : 1/22/2026 10:33 am

Compound #16: acrylonitrile



Original Peak Response = 1155



Manual Peak Response = 1136 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R441999_Ev2.D
Acq On : 19 Jan 2026 11:51 PM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD0.1
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:33:27 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.242	49	302466	10.000	ppbV	0.00
Standard Area = 308436			Recovery = 98.06%			
33) 1,4-difluorobenzene	11.460	114	857912	10.000	ppbV	0.00
Standard Area = 880469			Recovery = 97.44%			
51) chlorobenzene-D5	16.108	54	113639	10.000	ppbV	0.00
Standard Area = 119553			Recovery = 95.05%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	10.233	65	124	0.009	ppbV	0.13
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.09%#			
53) toluene-D8	14.283	98	182	0.003	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.03%#			
67) bromofluorobenzene	17.458	95	351	0.008	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.08%#			
Target Compounds						Qvalue
2) propylene	4.084	41	2846M6	0.203	ppbV	
3) dichlorodifluoromethane	4.162	85	3442	0.105	ppbV	100
4) chloromethane	4.330	50	1659	0.110	ppbV	99
5) Freon-114	4.438	85	3418	0.106	ppbV	97
6) vinyl chloride	4.558	62	1704	0.108	ppbV	92
7) 1,3-butadiene	4.708	54	1283	0.110	ppbV	98
8) bromomethane	4.990	94	1269	0.110	ppbV	95
9) chloroethane	5.188	64	905	0.117	ppbV #	87
10) ethanol	5.383	31	14837	1.218	ppbV	100
11) vinyl bromide	5.560	106	1577	0.110	ppbV	91
12) acrolein	5.727	56	1400	0.118	ppbV #	91
13) acetone	5.910	43	15002	0.741	ppbV #	97
14) trichlorofluoromethane	6.020	101	2677	0.104	ppbV	97
15) isopropyl alcohol	6.213	45	10672	0.374	ppbV #	97
16) acrylonitrile	6.367	53	2160	0.103	ppbV	94
17) 1,1-dichloroethene	6.714	61	2566	0.101	ppbV	97
18) tertiary butyl alcohol	6.918	59	3358	0.086	ppbV	95
19) methylene chloride	6.852	49	3190	0.133	ppbV	100
20) 3-chloropropene	6.978	41	2481	0.107	ppbV	98
21) carbon disulfide	7.158	76	6126	0.116	ppbV #	71
22) Freon 113	7.152	101	3471	0.104	ppbV	97
23) trans-1,2-dichloroethene	7.892	61	2622	0.111	ppbV	94
24) 1,1-dichloroethane	8.117	63	3493	0.105	ppbV	94

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R441999_Ev2.D
Acq On : 19 Jan 2026 11:51 PM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD0.1
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:33:27 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	8.283	73	4657	0.109	ppbV	#	91
26) vinyl acetate	8.325	43	5610	0.163	ppbV		97
27) 2-butanone	8.642	43	4546	0.120	ppbV		99
28) cis-1,2-dichloroethene	9.058	61	2643	0.104	ppbV		90
29) Ethyl Acetate	9.400	61	663M6	0.103	ppbV		
30) chloroform	9.392	83	4101	0.112	ppbV		98
31) Tetrahydrofuran	9.925	42	2034	0.106	ppbV		98
32) 1,2-dichloroethane	10.225	62	1782	0.108	ppbV		97
34) hexane	9.308	57	6076	0.175	ppbV	#	44
36) 1,1,1-trichloroethane	10.525	97	2909	0.107	ppbV	#	96
37) benzene	11.047	78	8048	0.107	ppbV		98
38) carbon tetrachloride	11.213	117	2024	0.094	ppbV	#	94
39) cyclohexane	11.360	56	4036	0.106	ppbV		93
40) Dibromomethane	11.953	93	2196	0.111	ppbV	#	98
41) 1,2-dichloropropane	11.993	63	2482	0.103	ppbV		97
42) bromodichloromethane	12.207	83	3256	0.105	ppbV		96
43) 1,4-dioxane	12.353	88	1635	0.107	ppbV		84
44) trichloroethene	12.260	130	2894	0.100	ppbV		98
45) 2,2,4-trimethylpentane	12.307	57	12171	0.108	ppbV		98
46) heptane	12.620	43	4113	0.111	ppbV		96
47) cis-1,3-dichloropropene	13.267	75	3114	0.097	ppbV		95
48) 4-methyl-2-pentanone	13.383	43	4460	0.102	ppbV		99
49) trans-1,3-dichloropropene	13.892	75	1989	0.089	ppbV		95
50) 1,1,2-trichloroethane	14.083	97	2579	0.102	ppbV		98
52) toluene	14.392	91	8765	0.106	ppbV		98
54) 2-hexanone	14.717	43	3600	0.092	ppbV		98
55) dibromochloromethane	14.825	129	2546	0.097	ppbV		96
56) 1,2-dibromoethane	15.075	107	3424	0.096	ppbV		96
57) tetrachloroethene	15.525	166	4215	0.106	ppbV		98
58) 1,1,1,2-tetrachloroethane	16.142	131	2371	0.095	ppbV		99
59) chlorobenzene	16.150	112	7095	0.102	ppbV		95
60) ethylbenzene	16.492	91	10038	0.096	ppbV		99
61) m+p-xylene	16.650	91	16480	0.193	ppbV		99
62) bromoform	16.717	173	2261	0.082	ppbV		98
63) styrene	16.967	104	6284	0.094	ppbV		100
64) 1,1,2,2-tetrachloroethane	17.058	83	6758	0.099	ppbV		99
65) o-xylene	17.058	91	8359	0.098	ppbV		98
66) 1,2,3-Trichloropropane	17.175	75	4784	0.101	ppbV		99
68) isopropylbenzene	17.575	105	10900	0.096	ppbV		97
69) Bromobenzene	17.650	77	6193	0.092	ppbV		90

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R441999_Ev2.D
Acq On : 19 Jan 2026 11:51 PM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD0.1
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:33:27 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

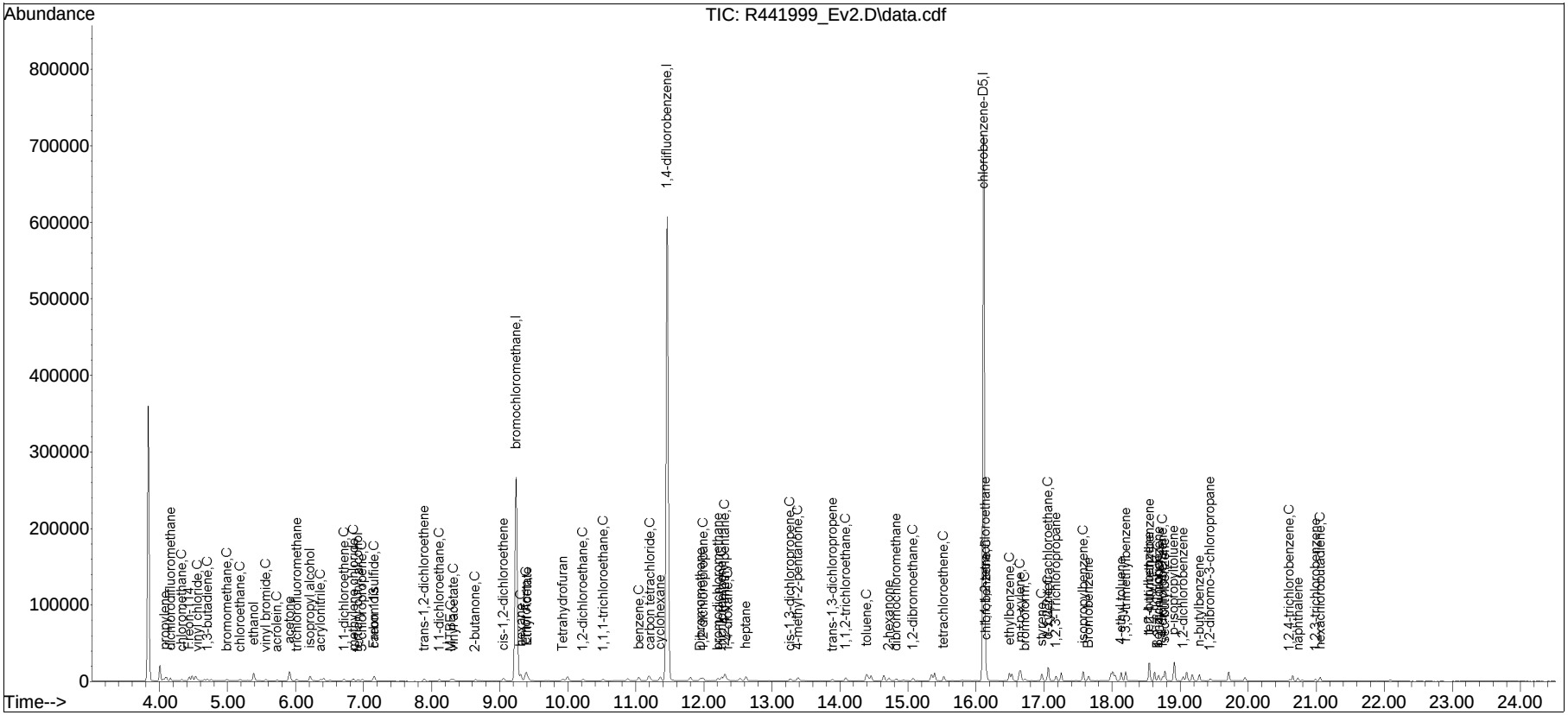
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
70) 4-ethyl toluene	18.133	105	9688	0.096	ppbV		98
71) 1,3,5-trimethylbenzene	18.200	105	9082	0.093	ppbV		99
72) tert-butylbenzene	18.542	119	10993	0.100	ppbV		96
73) 1,2,4-trimethylbenzene	18.550	105	9243	0.096	ppbV		94
74) Benzyl Chloride	18.675	91	3171	0.058	ppbV		98
75) 1,3-dichlorobenzene	18.683	146	5468	0.087	ppbV		97
76) 1,4-dichlorobenzene	18.742	146	4980	0.082	ppbV		95
77) sec-butylbenzene	18.775	105	14168	0.097	ppbV		98
78) p-isopropyltoluene	18.908	119	12659	0.095	ppbV		97
79) 1,2-dichlorobenzene	19.042	146	5338	0.089	ppbV		96
80) n-butylbenzene	19.283	91	8734	0.085	ppbV		95
81) 1,2-dibromo-3-chloropr...	19.442	75	1667	0.074	ppbV	#	89
82) 1,2,4-trichlorobenzene	20.608	180	2906	0.070	ppbV		94
83) naphthalene	20.733	128	7033	0.069	ppbV		99
84) 1,2,3-trichlorobenzene	20.992	180	3687	0.081	ppbV		98
85) hexachlorobutadiene	21.058	225	5355	0.106	ppbV		98

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

```
Sub List     : Default - All compounds listed01\0119SIM_I\R442003_Ev2.D

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R441999_Ev2.D
Acq On    : 19 Jan 2026  11:51 PM
Operator  : AIRPIANO4:RAY
Sample    : ITO15-SIMSTD0.1
Misc      : WG2168338
ALS Vial  : 0   Sample Multiplier: 1

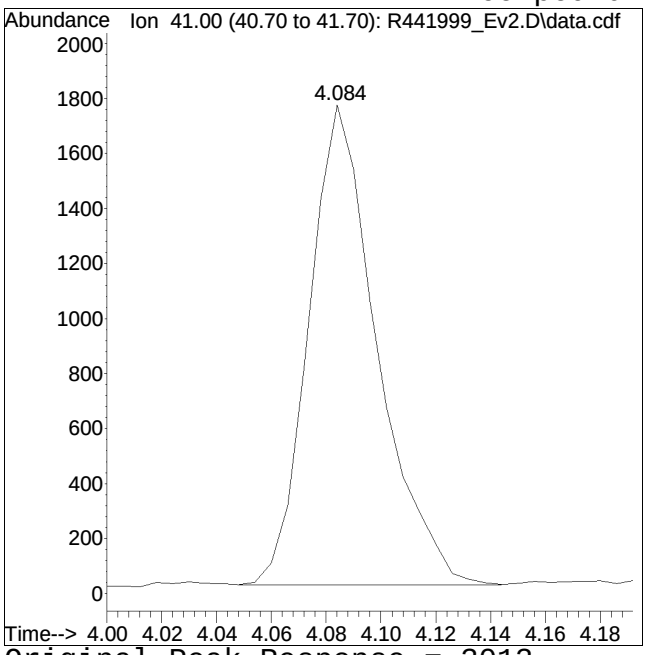
Quant Time: Jan 22 10:33:27 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title  : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration
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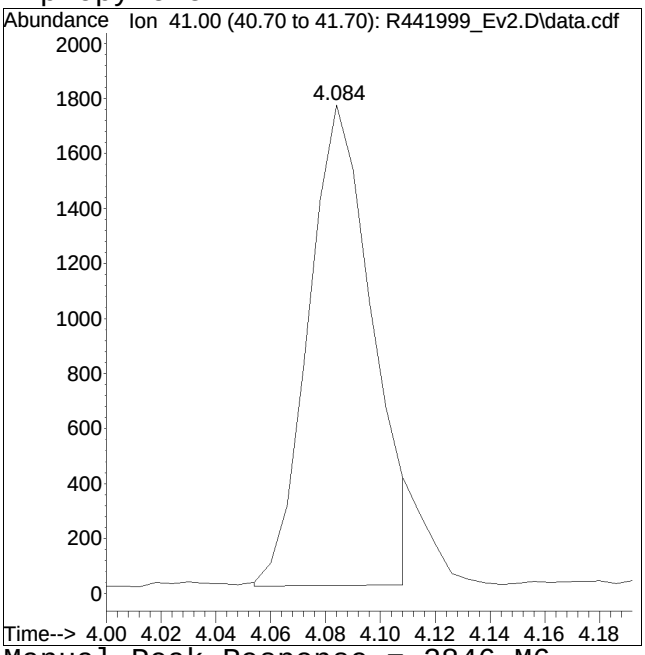
Manual Integration Report

Data Path : X:\Airlab\Data\Airpiano4\2QMethod : TSIM4_260119.M
Data File : R441999_Ev2.D Operator : AIRPIANO4:RAY
Date Inj'd : 1/19/2026 11:51 PM Instrument :
Sample : ITO15-SIMSTD0.1 Quant Date : 1/22/2026 10:33 am

Compound #2: propylene



Original Peak Response = 3013



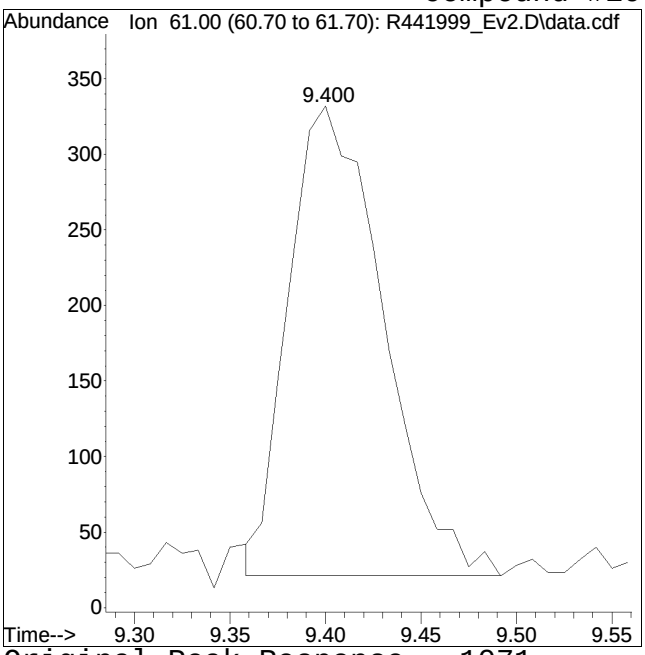
Manual Peak Response = 2846 M6

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

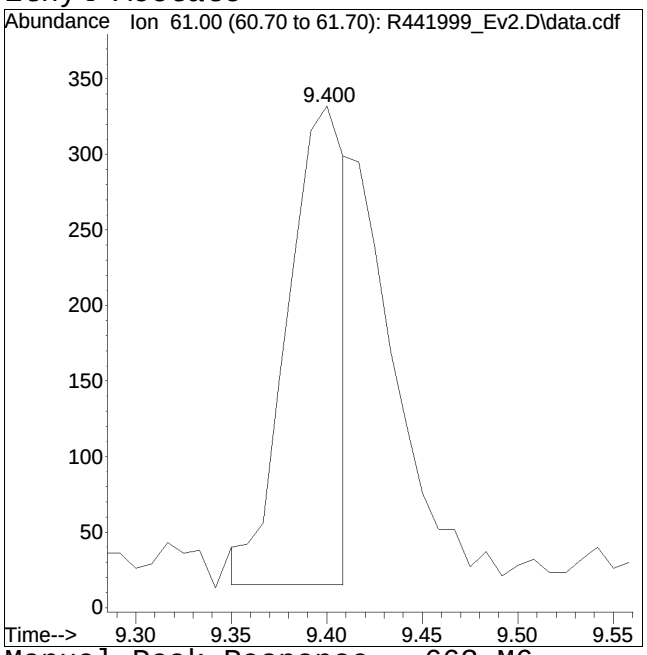
Manual Integration Report

Data Path : X:\Airlab\Data\Airpiano4\2QMethod : TSIM4_260119.M
Data File : R441999_Ev2.D Operator : AIRPIANO4:RAY
Date Inj'd : 1/19/2026 11:51 PM Instrument :
Sample : ITO15-SIMSTD0.1 Quant Date : 1/22/2026 10:33 am

Compound #29: Ethyl Acetate



Original Peak Response = 1071



Manual Peak Response = 663 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442000_Ev2.D
Acq On : 20 Jan 2026 12:29 AM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD0.2
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:33:36 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.233	49	305445	10.000	ppbV	0.00
Standard Area = 308436			Recovery = 99.03%			
33) 1,4-difluorobenzene	11.460	114	866866	10.000	ppbV	0.00
Standard Area = 880469			Recovery = 98.46%			
51) chlorobenzene-D5	16.108	54	118440	10.000	ppbV	0.00
Standard Area = 119553			Recovery = 99.07%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	10.100	65	141882	10.433	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.33%			
53) toluene-D8	14.283	98	711713	10.319	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.19%			
67) bromofluorobenzene	17.475	95	449036	9.289	ppbV	0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.89%			
Target Compounds						Qvalue
2) propylene	4.078	41	4412M6	0.311	ppbV	
3) dichlorodifluoromethane	4.150	85	6818	0.206	ppbV	99
4) chloromethane	4.318	50	2893	0.190	ppbV	95
5) Freon-114	4.426	85	6552	0.201	ppbV	97
6) vinyl chloride	4.546	62	3301	0.207	ppbV	95
7) 1,3-butadiene	4.696	54	2593	0.220	ppbV	95
8) bromomethane	4.984	94	2529	0.217	ppbV	98
9) chloroethane	5.176	64	1686	0.215	ppbV #	87
10) ethanol	5.363	31	15921	1.295	ppbV	90
11) vinyl bromide	5.550	106	3362	0.232	ppbV	97
12) acrolein	5.713	56	2337	0.194	ppbV	99
13) acetone	5.887	43	24490	1.198	ppbV #	100
14) trichlorofluoromethane	6.010	101	5417	0.209	ppbV	99
15) isopropyl alcohol	6.190	45	13967	0.485	ppbV	99
16) acrylonitrile	6.353	53	4283	0.202	ppbV	96
17) 1,1-dichloroethene	6.702	61	5225	0.203	ppbV	99
18) tertiary butyl alcohol	6.888	59	6751	0.172	ppbV	96
19) methylene chloride	6.840	49	5677	0.235	ppbV	95
20) 3-chloropropene	6.972	41	5021	0.214	ppbV	98
21) carbon disulfide	7.152	76	12011	0.226	ppbV #	85
22) Freon 113	7.146	101	7051	0.210	ppbV	98
23) trans-1,2-dichloroethene	7.883	61	5356	0.225	ppbV	98
24) 1,1-dichloroethane	8.108	63	6941	0.206	ppbV	98

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442000_Ev2.D
Acq On : 20 Jan 2026 12:29 AM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD0.2
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:33:36 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	8.258	73	9156	0.213	ppbV		96
26) vinyl acetate	8.317	43	7581	0.218	ppbV		97
27) 2-butanone	8.625	43	8611	0.224	ppbV		98
28) cis-1,2-dichloroethene	9.050	61	5319	0.207	ppbV		99
29) Ethyl Acetate	9.375	61	1464M6	0.225	ppbV		
30) chloroform	9.392	83	7596	0.206	ppbV		99
31) Tetrahydrofuran	9.908	42	4109	0.212	ppbV		98
32) 1,2-dichloroethane	10.225	62	3502	0.210	ppbV		98
34) hexane	9.300	57	7854	0.224	ppbV	#	44
36) 1,1,1-trichloroethane	10.517	97	5763	0.210	ppbV		96
37) benzene	11.040	78	15762	0.208	ppbV		99
38) carbon tetrachloride	11.213	117	3916	0.180	ppbV	#	96
39) cyclohexane	11.360	56	8198	0.212	ppbV		98
40) Dibromomethane	11.947	93	4258	0.213	ppbV	#	97
41) 1,2-dichloropropane	11.987	63	5098	0.210	ppbV		98
42) bromodichloromethane	12.207	83	6629	0.211	ppbV		99
43) 1,4-dioxane	12.333	88	3422	0.221	ppbV		98
44) trichloroethene	12.260	130	5910	0.203	ppbV		95
45) 2,2,4-trimethylpentane	12.307	57	24487	0.216	ppbV		98
46) heptane	12.613	43	7972	0.212	ppbV		98
47) cis-1,3-dichloropropene	13.267	75	6310	0.194	ppbV		99
48) 4-methyl-2-pentanone	13.367	43	8518	0.192	ppbV		98
49) trans-1,3-dichloropropene	13.892	75	4104	0.182	ppbV		98
50) 1,1,2-trichloroethane	14.083	97	5112	0.199	ppbV		99
52) toluene	14.383	91	17886	0.207	ppbV		99
54) 2-hexanone	14.708	43	7293	0.179	ppbV		97
55) dibromochloromethane	14.825	129	5166	0.188	ppbV		99
56) 1,2-dibromoethane	15.075	107	7199	0.193	ppbV		99
57) tetrachloroethene	15.525	166	8519	0.205	ppbV		98
58) 1,1,1,2-tetrachloroethane	16.142	131	4581	0.177	ppbV		99
59) chlorobenzene	16.150	112	14525	0.201	ppbV		95
60) ethylbenzene	16.492	91	20483	0.188	ppbV		100
61) m+p-xylene	16.658	91	33095	0.371	ppbV		99
62) bromoform	16.725	173	4485	0.156	ppbV		99
63) styrene	16.983	104	11830	0.170	ppbV		98
64) 1,1,2,2-tetrachloroethane	17.075	83	13210	0.187	ppbV		98
65) o-xylene	17.075	91	16728	0.188	ppbV		99
66) 1,2,3-Trichloropropane	17.192	75	9252	0.188	ppbV		99
68) isopropylbenzene	17.592	105	22392	0.189	ppbV		99
69) Bromobenzene	17.667	77	12816	0.184	ppbV		97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442000_Ev2.D
Acq On : 20 Jan 2026 12:29 AM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD0.2
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:33:36 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

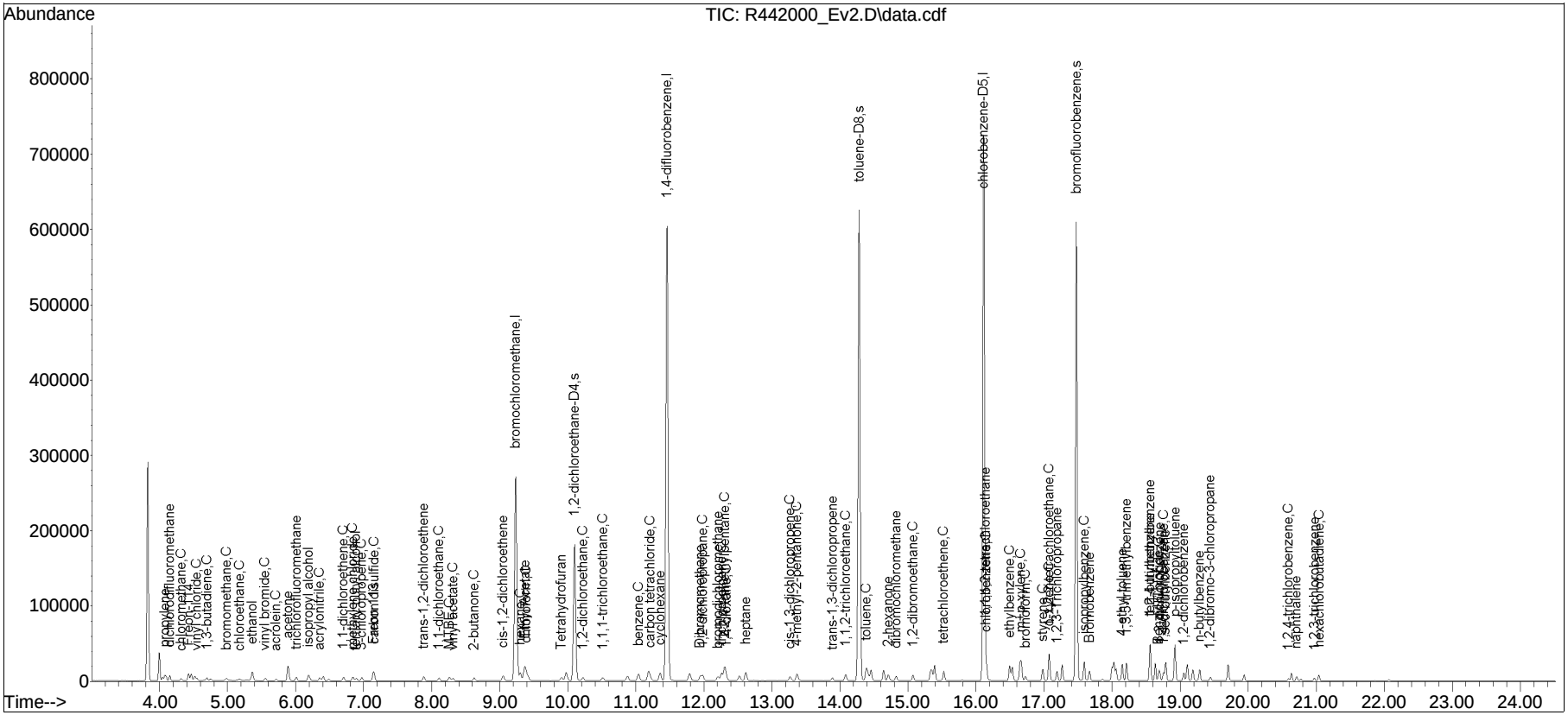
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
70) 4-ethyl toluene	18.150	105	19260	0.183	ppbV		100
71) 1,3,5-trimethylbenzene	18.208	105	17770	0.174	ppbV		95
72) tert-butylbenzene	18.558	119	21379	0.187	ppbV		98
73) 1,2,4-trimethylbenzene	18.558	105	17614	0.175	ppbV		93
74) Benzyl Chloride	18.683	91	6262	0.110	ppbV		98
75) 1,3-dichlorobenzene	18.700	146	10551	0.160	ppbV		97
76) 1,4-dichlorobenzene	18.758	146	10011	0.159	ppbV		97
77) sec-butylbenzene	18.783	105	27827	0.184	ppbV		96
78) p-isopropyltoluene	18.925	119	23885	0.172	ppbV		100
79) 1,2-dichlorobenzene	19.050	146	9917	0.159	ppbV		96
80) n-butylbenzene	19.283	91	15620	0.146	ppbV		100
81) 1,2-dibromo-3-chloropr...	19.442	75	2515	0.107	ppbV	#	86
82) 1,2,4-trichlorobenzene	20.592	180	4626	0.107	ppbV		97
83) naphthalene	20.708	128	10394	0.097	ppbV		98
84) 1,2,3-trichlorobenzene	20.975	180	5033	0.106	ppbV		97
85) hexachlorobutadiene	21.042	225	8010	0.152	ppbV		98

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

Sub List : Default - All compounds listed01\0119SIM_I\R442003_Ev2.D

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442000_Ev2.D
Acq On : 20 Jan 2026 12:29 AM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD0.2
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

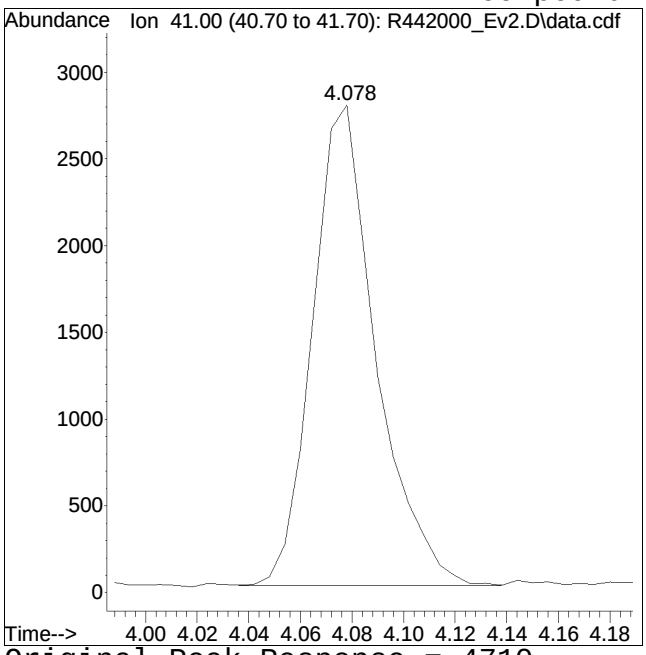
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Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration



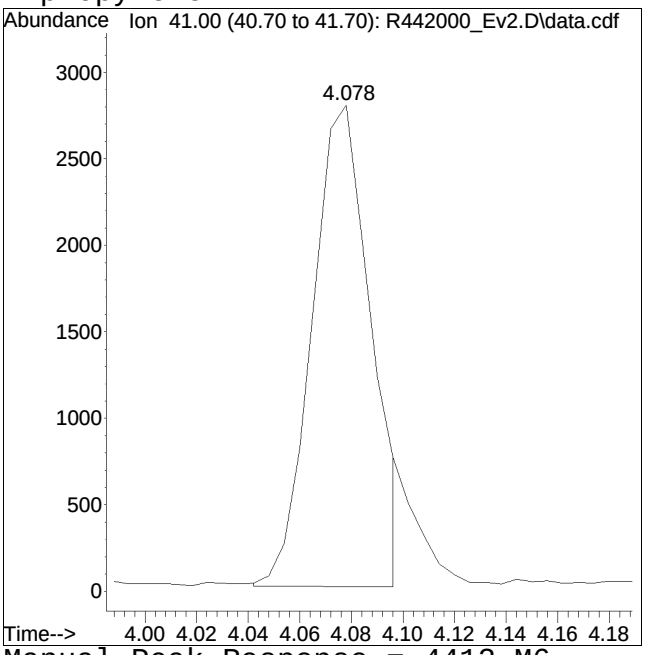
Manual Integration Report

Data Path : X:\Airlab\Data\Airpiano4\2QMethod : TSIM4_260119.M
Data File : R442000_Ev2.D Operator : AIRPIANO4:RAY
Date Inj'd : 1/20/2026 12:29 AM Instrument :
Sample : ITO15-SIMSTD0.2 Quant Date : 1/22/2026 10:33 am

Compound #2: propylene



Original Peak Response = 4710



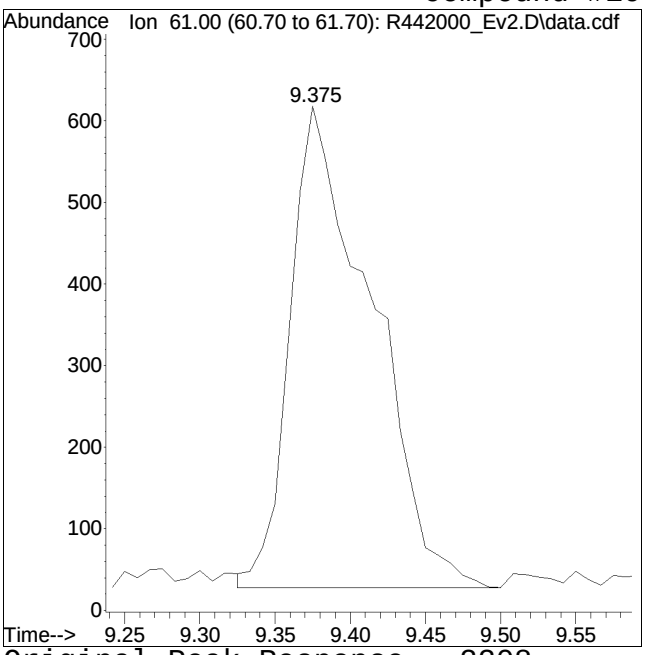
Manual Peak Response = 4412 M6

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

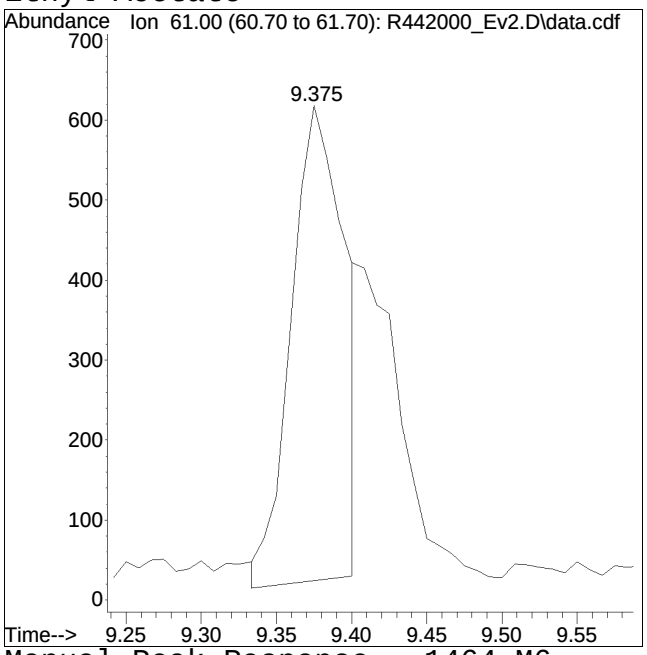
Manual Integration Report

Data Path : X:\Airlab\Data\Airpiano4\2QMethod : TSIM4_260119.M
Data File : R442000_Ev2.D Operator : AIRPIANO4:RAY
Date Inj'd : 1/20/2026 12:29 AM Instrument :
Sample : ITO15-SIMSTD0.2 Quant Date : 1/22/2026 10:33 am

Compound #29: Ethyl Acetate



Original Peak Response = 2208



Manual Peak Response = 1464 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442001_Ev2.D
Acq On : 20 Jan 2026 1:07 AM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD0.5
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:33:45 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.242	49	308899	10.000	ppbV	0.00
Standard Area = 308436			Recovery = 100.15%			
33) 1,4-difluorobenzene	11.460	114	880030	10.000	ppbV	0.00
Standard Area = 880469			Recovery = 99.95%			
51) chlorobenzene-D5	16.108	54	120874	10.000	ppbV	0.00
Standard Area = 119553			Recovery = 101.10%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	10.100	65	141932	10.280	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.80%			
53) toluene-D8	14.283	98	712920	10.128	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.28%			
67) bromofluorobenzene	17.475	95	450196	9.126	ppbV	0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.26%			
Target Compounds						Qvalue
2) propylene	4.084	41	9853M6	0.687	ppbV	
3) dichlorodifluoromethane	4.156	85	18660	0.557	ppbV	100
4) chloromethane	4.324	50	8321	0.540	ppbV	99
5) Freon-114	4.438	85	18157	0.552	ppbV	97
6) vinyl chloride	4.558	62	8937	0.554	ppbV	100
7) 1,3-butadiene	4.708	54	6883	0.577	ppbV	99
8) bromomethane	4.990	94	6652	0.565	ppbV	99
9) chloroethane	5.182	64	4413	0.557	ppbV	98
10) ethanol	5.370	31	57028	4.585	ppbV	99
11) vinyl bromide	5.563	106	8678	0.593	ppbV	100
12) acrolein	5.720	56	6330	0.521	ppbV	99
13) acetone	5.887	43	63910	3.091	ppbV	99
14) trichlorofluoromethane	6.017	101	14530	0.554	ppbV	99
15) isopropyl alcohol	6.197	45	39016	1.340	ppbV	100
16) acrylonitrile	6.363	53	11401	0.531	ppbV	97
17) 1,1-dichloroethene	6.714	61	13988	0.537	ppbV	99
18) tertiary butyl alcohol	6.894	59	18048	0.454	ppbV	98
19) methylene chloride	6.852	49	14082	0.576	ppbV	100
20) 3-chloropropene	6.984	41	13537	0.570	ppbV	98
21) carbon disulfide	7.158	76	32080	0.597	ppbV #	95
22) Freon 113	7.152	101	18878	0.556	ppbV	98
23) trans-1,2-dichloroethene	7.892	61	14208	0.590	ppbV	97
24) 1,1-dichloroethane	8.117	63	18654	0.547	ppbV	98

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442001_Ev2.D
Acq On : 20 Jan 2026 1:07 AM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD0.5
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:33:45 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	8.258	73	25052	0.577	ppbV		99
26) vinyl acetate	8.317	43	19826	0.563	ppbV		99
27) 2-butanone	8.617	43	22678	0.584	ppbV		99
28) cis-1,2-dichloroethene	9.058	61	13955	0.536	ppbV		97
29) Ethyl Acetate	9.367	61	3699	0.561	ppbV		96
30) chloroform	9.392	83	20496	0.550	ppbV		99
31) Tetrahydrofuran	9.900	42	11662	0.594	ppbV		99
32) 1,2-dichloroethane	10.225	62	9177	0.545	ppbV		97
34) hexane	9.308	57	21196	0.595	ppbV	#	42
36) 1,1,1-trichloroethane	10.517	97	14865	0.532	ppbV		97
37) benzene	11.047	78	41767	0.544	ppbV		99
38) carbon tetrachloride	11.220	117	11140	0.504	ppbV		96
39) cyclohexane	11.360	56	22372	0.570	ppbV		98
40) Dibromomethane	11.953	93	11360	0.561	ppbV	#	98
41) 1,2-dichloropropane	11.987	63	13257	0.537	ppbV		97
42) bromodichloromethane	12.207	83	17844	0.560	ppbV		100
43) 1,4-dioxane	12.327	88	8902	0.565	ppbV		91
44) trichloroethene	12.260	130	15764	0.533	ppbV		99
45) 2,2,4-trimethylpentane	12.307	57	66581	0.577	ppbV		99
46) heptane	12.620	43	21630	0.568	ppbV		99
47) cis-1,3-dichloropropene	13.267	75	16929	0.512	ppbV		98
48) 4-methyl-2-pentanone	13.367	43	24259	0.540	ppbV		99
49) trans-1,3-dichloropropene	13.892	75	10983	0.479	ppbV		98
50) 1,1,2-trichloroethane	14.083	97	13864	0.533	ppbV		99
52) toluene	14.392	91	47382	0.537	ppbV		100
54) 2-hexanone	14.708	43	20888	0.502	ppbV		99
55) dibromochloromethane	14.825	129	14300	0.511	ppbV		100
56) 1,2-dibromoethane	15.075	107	19271	0.507	ppbV		99
57) tetrachloroethene	15.525	166	23047	0.544	ppbV		99
58) 1,1,1,2-tetrachloroethane	16.142	131	12833	0.486	ppbV		98
59) chlorobenzene	16.150	112	39035	0.529	ppbV		95
60) ethylbenzene	16.492	91	55790	0.501	ppbV		100
61) m+p-xylene	16.658	91	91441	1.005	ppbV		99
62) bromoform	16.725	173	12922	0.440	ppbV		100
63) styrene	16.975	104	32450	0.456	ppbV		99
64) 1,1,2,2-tetrachloroethane	17.075	83	36505	0.505	ppbV		98
65) o-xylene	17.075	91	46412	0.510	ppbV		99
66) 1,2,3-Trichloropropane	17.183	75	25213	0.501	ppbV		99
68) isopropylbenzene	17.583	105	61767	0.512	ppbV		97
69) Bromobenzene	17.667	77	34934	0.490	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442001_Ev2.D
Acq On : 20 Jan 2026 1:07 AM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD0.5
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:33:45 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

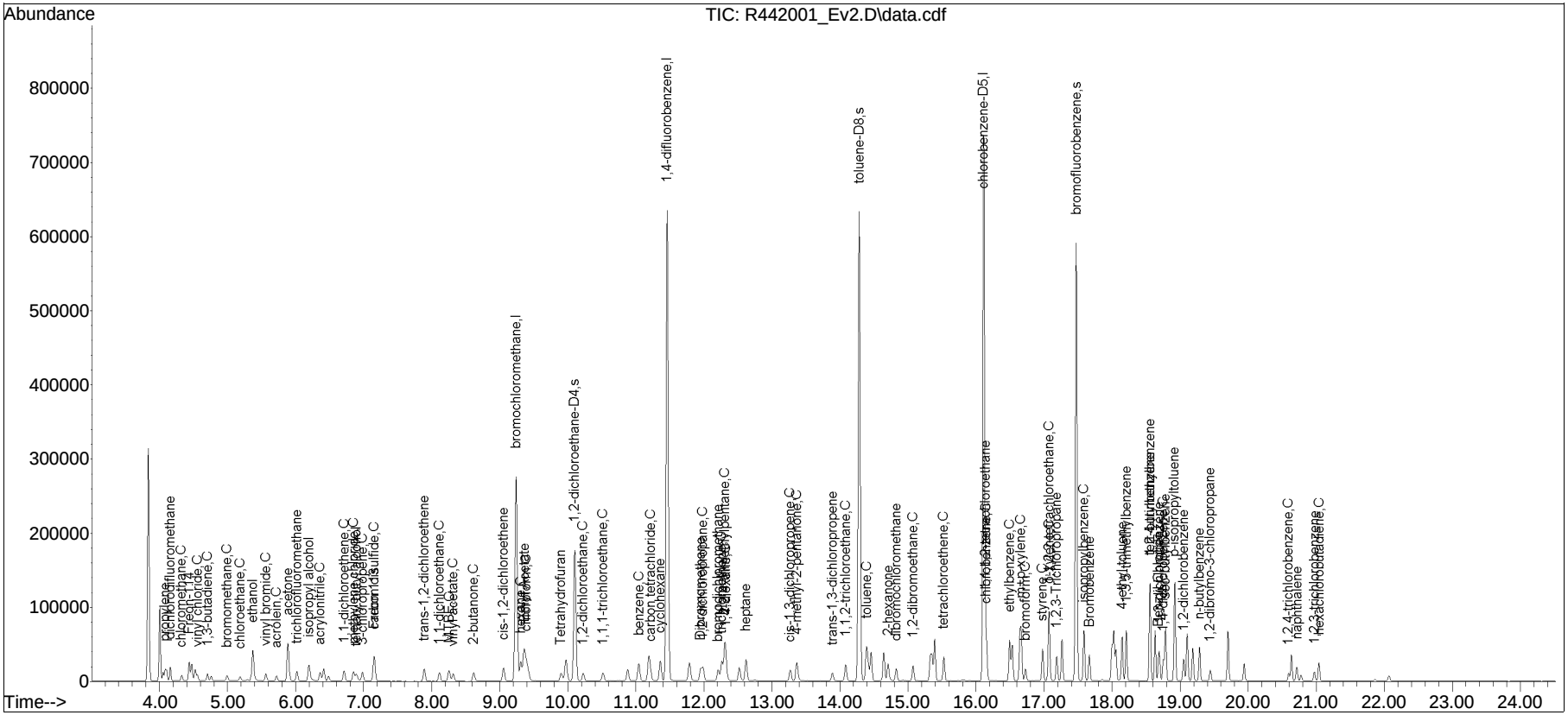
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
70) 4-ethyl toluene	18.150	105	53693	0.500	ppbV		98
71) 1,3,5-trimethylbenzene	18.208	105	50545	0.486	ppbV		99
72) tert-butylbenzene	18.558	119	60384	0.519	ppbV		98
73) 1,2,4-trimethylbenzene	18.558	105	49478	0.481	ppbV		95
74) Benzyl Chloride	18.683	91	18888	0.324	ppbV		98
75) 1,3-dichlorobenzene	18.692	146	29294	0.436	ppbV		99
76) 1,4-dichlorobenzene	18.750	146	26768	0.416	ppbV		96
77) sec-butylbenzene	18.783	105	78167	0.505	ppbV		98
78) p-isopropyltoluene	18.917	119	69634	0.492	ppbV		98
79) 1,2-dichlorobenzene	19.050	146	27721	0.435	ppbV		97
80) n-butylbenzene	19.283	91	46883	0.429	ppbV		100
81) 1,2-dibromo-3-chloropr...	19.442	75	8507	0.355	ppbV	#	92
82) 1,2,4-trichlorobenzene	20.592	180	13402	0.303	ppbV		97
83) naphthalene	20.717	128	32196	0.295	ppbV		100
84) 1,2,3-trichlorobenzene	20.975	180	15787	0.324	ppbV		99
85) hexachlorobutadiene	21.042	225	24553	0.457	ppbV		98

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

Sub List : Default - All compounds listed01\0119SIM_I\R442003_Ev2.D

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442001_Ev2.D
Acq On : 20 Jan 2026 1:07 AM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD0.5
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

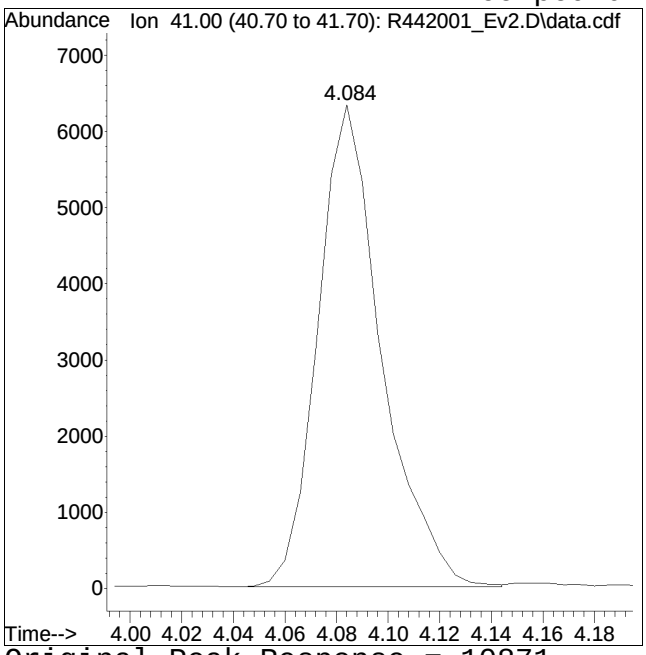
Quant Time: Jan 22 10:33:45 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration



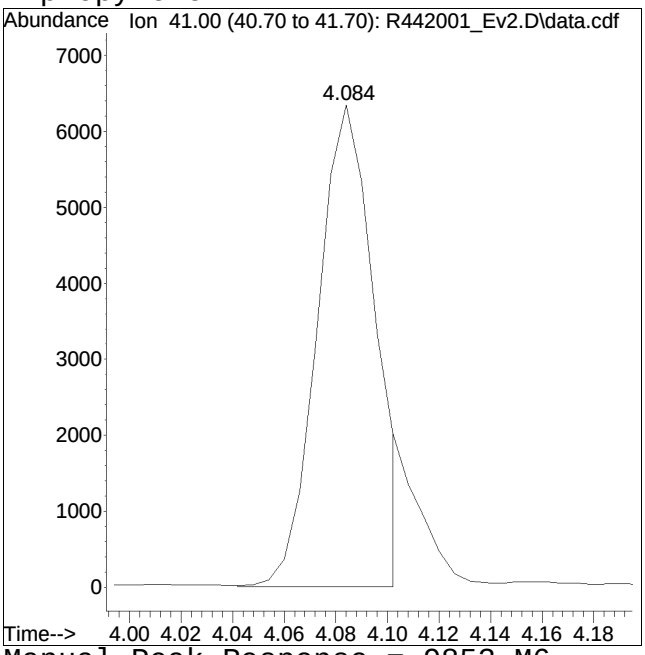
Manual Integration Report

Data Path : X:\Airlab\Data\Airpiano4\2QMethod : TSIM4_260119.M
Data File : R442001_Ev2.D Operator : AIRPIANO4:RAY
Date Inj'd : 1/20/2026 1:07 AM Instrument :
Sample : ITO15-SIMSTD0.5 Quant Date : 1/22/2026 10:33 am

Compound #2: propylene



Original Peak Response = 10871



Manual Peak Response = 9853 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442002_Ev2.D
Acq On : 20 Jan 2026 1:49 AM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD1.0
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:33:53 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.233	49	306360	10.000	ppbV	0.00
Standard Area = 308436			Recovery = 99.33%			
33) 1,4-difluorobenzene	11.453	114	879417	10.000	ppbV	0.00
Standard Area = 880469			Recovery = 99.88%			
51) chlorobenzene-D5	16.108	54	119858	10.000	ppbV	0.00
Standard Area = 119553			Recovery = 100.26%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	10.100	65	141131	10.229	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.29%			
53) toluene-D8	14.275	98	711720	10.197	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.97%			
67) bromofluorobenzene	17.450	95	467433	9.555	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.55%			
Target Compounds						Qvalue
2) propylene	4.084	41	18896M6	1.329	ppbV	
3) dichlorodifluoromethane	4.156	85	37257	1.121	ppbV	100
4) chloromethane	4.324	50	17307	1.133	ppbV	99
5) Freon-114	4.432	85	37043	1.135	ppbV	100
6) vinyl chloride	4.558	62	17855	1.116	ppbV	99
7) 1,3-butadiene	4.702	54	13802	1.166	ppbV	98
8) bromomethane	4.990	94	13162	1.127	ppbV	98
9) chloroethane	5.182	64	8798	1.120	ppbV	98
10) ethanol	5.357	31	93091	7.547	ppbV	100
11) vinyl bromide	5.560	106	17450	1.201	ppbV	100
12) acrolein	5.707	56	13043	1.082	ppbV	99
13) acetone	5.867	43	129422	6.311	ppbV	98
14) trichlorofluoromethane	6.017	101	29275	1.125	ppbV	97
15) isopropyl alcohol	6.177	45	79131	2.740	ppbV	99
16) acrylonitrile	6.347	53	23307	1.094	ppbV	99
17) 1,1-dichloroethene	6.708	61	28371	1.099	ppbV	99
18) tertiary butyl alcohol	6.876	59	37963	0.963	ppbV	99
19) methylene chloride	6.846	49	27758	1.145	ppbV	98
20) 3-chloropropene	6.978	41	27872	1.183	ppbV	99
21) carbon disulfide	7.152	76	64720	1.215	ppbV	98
22) Freon 113	7.146	101	37945	1.127	ppbV	100
23) trans-1,2-dichloroethene	7.883	61	28747	1.204	ppbV	98
24) 1,1-dichloroethane	8.108	63	37305	1.103	ppbV	100

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442002_Ev2.D
Acq On : 20 Jan 2026 1:49 AM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD1.0
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:33:53 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	8.233	73	50633	1.175	ppbV		99
26) vinyl acetate	8.300	43	41418	1.186	ppbV		99
27) 2-butanone	8.592	43	45990	1.194	ppbV		98
28) cis-1,2-dichloroethene	9.050	61	28167	1.091	ppbV		100
29) Ethyl Acetate	9.358	61	7843	1.199	ppbV	#	55
30) chloroform	9.392	83	41133	1.113	ppbV		100
31) Tetrahydrofuran	9.883	42	23515	1.207	ppbV		99
32) 1,2-dichloroethane	10.225	62	18640	1.117	ppbV		99
34) hexane	9.300	57	42848	1.204	ppbV	#	47
36) 1,1,1-trichloroethane	10.517	97	30675	1.099	ppbV		99
37) benzene	11.040	78	84343	1.099	ppbV		100
38) carbon tetrachloride	11.213	117	23138	1.048	ppbV		98
39) cyclohexane	11.353	56	45962	1.172	ppbV		99
40) Dibromomethane	11.947	93	22521	1.112	ppbV	#	99
41) 1,2-dichloropropane	11.980	63	26767	1.085	ppbV		98
42) bromodichloromethane	12.207	83	36926	1.159	ppbV		99
43) 1,4-dioxane	12.313	88	16664	1.059	ppbV		82
44) trichloroethene	12.260	130	32294	1.093	ppbV		99
45) 2,2,4-trimethylpentane	12.307	57	135322	1.174	ppbV		99
46) heptane	12.613	43	44287	1.163	ppbV		99
47) cis-1,3-dichloropropene	13.267	75	35200	1.064	ppbV		99
48) 4-methyl-2-pentanone	13.350	43	50297	1.120	ppbV		99
49) trans-1,3-dichloropropene	13.883	75	23651	1.033	ppbV		98
50) 1,1,2-trichloroethane	14.083	97	28315	1.089	ppbV		99
52) toluene	14.383	91	96410	1.101	ppbV		99
54) 2-hexanone	14.692	43	44840	1.086	ppbV		97
55) dibromochloromethane	14.825	129	30394	1.096	ppbV		99
56) 1,2-dibromoethane	15.067	107	40790	1.082	ppbV		99
57) tetrachloroethene	15.525	166	46631	1.110	ppbV		99
58) 1,1,1,2-tetrachloroethane	16.133	131	26808	1.023	ppbV		98
59) chlorobenzene	16.150	112	79930	1.091	ppbV		99
60) ethylbenzene	16.483	91	116642	1.057	ppbV		100
61) m+p-xylene	16.642	91	191047	2.119	ppbV		100
62) bromoform	16.708	173	29039	0.997	ppbV		99
63) styrene	16.958	104	69689	0.987	ppbV		99
64) 1,1,2,2-tetrachloroethane	17.050	83	76493	1.067	ppbV		100
65) o-xylene	17.050	91	96598	1.070	ppbV		98
66) 1,2,3-Trichloropropane	17.167	75	53066	1.063	ppbV		100
68) isopropylbenzene	17.567	105	127261	1.064	ppbV		100
69) Bromobenzene	17.642	77	74982	1.062	ppbV		93

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442002_Ev2.D
Acq On : 20 Jan 2026 1:49 AM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD1.0
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:33:53 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

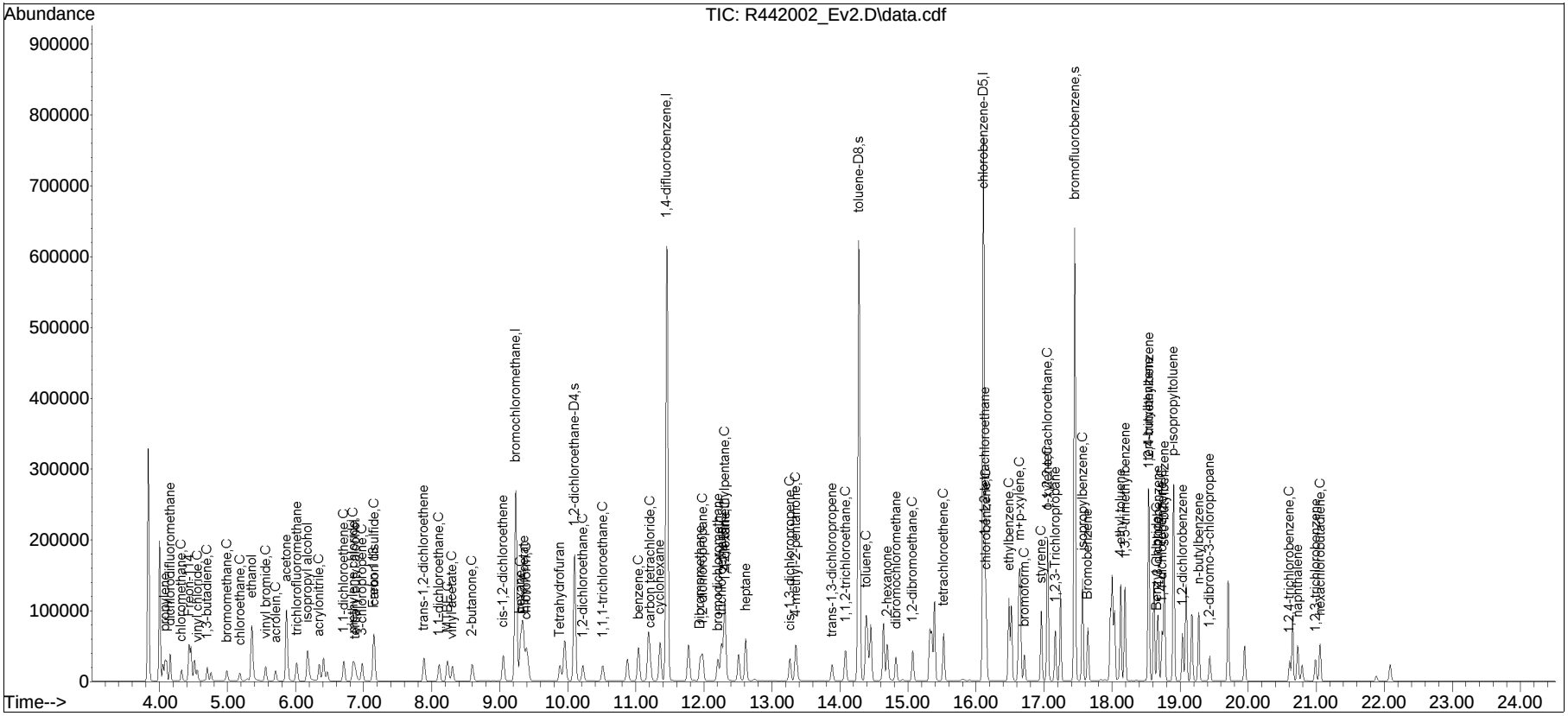
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	18.125	105	115858	1.087	ppbV	100
71) 1,3,5-trimethylbenzene	18.192	105	104283	1.010	ppbV	100
72) tert-butylbenzene	18.533	119	124855	1.081	ppbV	97
73) 1,2,4-trimethylbenzene	18.542	105	105631	1.035	ppbV	98
74) Benzyl Chloride	18.658	91	48135	0.833	ppbV	98
75) 1,3-dichlorobenzene	18.675	146	67787	1.017	ppbV	99
76) 1,4-dichlorobenzene	18.733	146	64167	1.005	ppbV	99
77) sec-butylbenzene	18.767	105	163170	1.064	ppbV	99
78) p-isopropyltoluene	18.900	119	147151	1.048	ppbV	98
79) 1,2-dichlorobenzene	19.033	146	63085	0.998	ppbV	98
80) n-butylbenzene	19.275	91	104451	0.964	ppbV	96
81) 1,2-dibromo-3-chloropr...	19.433	75	21123	0.888	ppbV	93
82) 1,2,4-trichlorobenzene	20.608	180	34819	0.793	ppbV	99
83) naphthalene	20.725	128	83540	0.773	ppbV	99
84) 1,2,3-trichlorobenzene	20.992	180	39387	0.816	ppbV	99
85) hexachlorobutadiene	21.058	225	53033	0.996	ppbV	98

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

Sub List : Default - All compounds listed01\0119SIM_I\R442003_Ev2.D

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442002_Ev2.D
Acq On : 20 Jan 2026 1:49 AM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD1.0
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

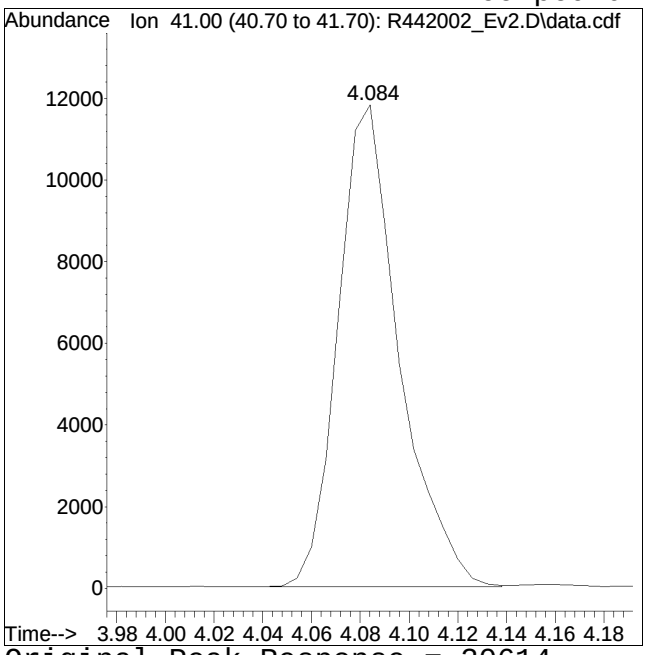
Quant Time: Jan 22 10:33:53 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration



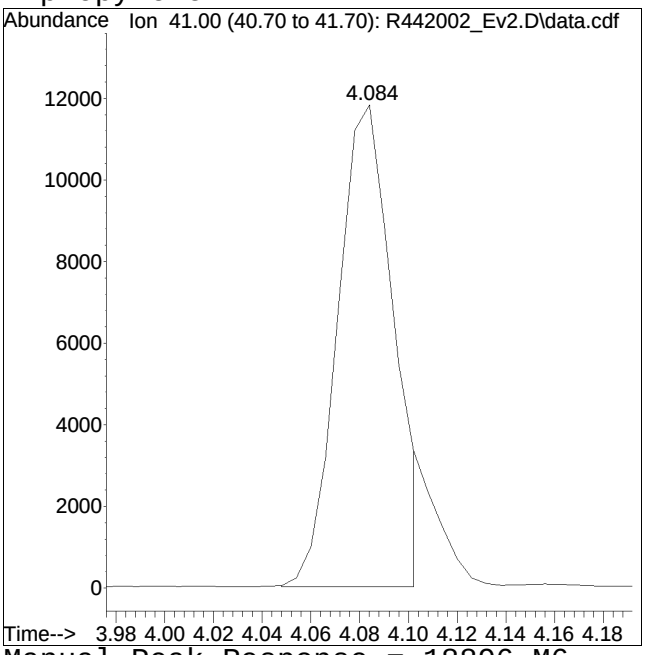
Manual Integration Report

Data Path : X:\Airlab\Data\Airpiano4\2QMethod : TSIM4_260119.M
Data File : R442002_Ev2.D Operator : AIRPIANO4:RAY
Date Inj'd : 1/20/2026 1:49 AM Instrument :
Sample : ITO15-SIMSTD1.0 Quant Date : 1/22/2026 10:33 am

Compound #2: propylene



Original Peak Response = 20614



Manual Peak Response = 18896 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442003_Ev2.D
Acq On : 20 Jan 2026 2:28 AM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD5.0
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:27:52 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Nov 21 14:36:12 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.233	49	308436	10.000	ppbV	0.00
Standard Area = 308436			Recovery = 100.00%			
33) 1,4-difluorobenzene	11.460	114	880469	10.000	ppbV	# 0.01
Standard Area = 880469			Recovery = 100.00%			
51) chlorobenzene-D5	16.108	54	119553	10.000	ppbV	# 0.00
Standard Area = 119553			Recovery = 100.00%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	10.100	65	138130	6.287	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 62.87%#			
53) toluene-D8	14.275	98	696208	9.937	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.37%			
67) bromofluorobenzene	17.458	95	487939	9.901	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.01%			
Target Compounds						Qvalue
2) propylene	4.084	41	71553M6	3.458	ppbV	
3) dichlorodifluoromethane	4.156	85	167372	3.480	ppbV	97
4) chloromethane	4.324	50	76881	4.230	ppbV	99
5) Freon-114	4.432	85	164242	3.486	ppbV	98
6) vinyl chloride	4.552	62	80503	3.135	ppbV	97
7) 1,3-butadiene	4.702	54	59602	3.580	ppbV #	69
8) bromomethane	4.990	94	58813	3.178	ppbV	98
9) chloroethane	5.176	64	39536	3.108	ppbV	97
10) ethanol	5.332	31	310451	18.241	ppbV	97
11) vinyl bromide	5.557	106	73115	3.498	ppbV	92
12) acrolein	5.693	56	60698	3.971	ppbV	97
13) acetone	5.840	43	516186	17.945	ppbV	98
14) trichlorofluoromethane	6.013	101	131027	2.816	ppbV	99
15) isopropyl alcohol	6.143	45	363394	9.929	ppbV	98
16) acrylonitrile	6.337	53	107268	4.335	ppbV	99
17) 1,1-dichloroethene	6.708	61	129978	3.263	ppbV	89
18) tertiary butyl alcohol	6.828	59	198460	3.242	ppbV	97
19) methylene chloride	6.846	49	122058	4.624	ppbV	100
20) 3-chloropropene	6.978	41	118592	3.733	ppbV #	86
21) carbon disulfide	7.152	76	268200	4.202	ppbV	96
22) Freon 113	7.146	101	169521	3.632	ppbV	93
23) trans-1,2-dichloroethene	7.883	61	120149	3.160	ppbV	97
24) 1,1-dichloroethane	8.108	63	170277	3.488	ppbV	100

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442003_Ev2.D
Acq On : 20 Jan 2026 2:28 AM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD5.0
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:27:52 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Nov 21 14:36:12 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	8.200	73	216848	3.740	ppbV		97
26) vinyl acetate	8.292	43	175787	3.113	ppbV		97
27) 2-butanone	8.567	43	193914	4.113	ppbV		99
28) cis-1,2-dichloroethene	9.050	61	130000	3.382	ppbV		92
29) Ethyl Acetate	9.325	61	32918	3.239	ppbV	#	41
30) chloroform	9.392	83	185966	3.904	ppbV		98
31) Tetrahydrofuran	9.850	42	98090	4.010	ppbV		99
32) 1,2-dichloroethane	10.225	62	84021	2.602	ppbV	#	85
34) hexane	9.300	57	178158	4.078	ppbV		96
36) 1,1,1-trichloroethane	10.517	97	139698	3.278	ppbV	#	95
37) benzene	11.040	78	384292	5.037	ppbV		98
38) carbon tetrachloride	11.213	117	110487	3.304	ppbV		99
39) cyclohexane	11.353	56	196299	4.231	ppbV		94
40) Dibromomethane	11.947	93	101351	3.747	ppbV	#	83
41) 1,2-dichloropropane	11.980	63	123543	3.954	ppbV		96
42) bromodichloromethane	12.207	83	159495	3.877	ppbV		98
43) 1,4-dioxane	12.280	88	78772	4.440	ppbV		93
44) trichloroethene	12.260	130	147880	4.226	ppbV		96
45) 2,2,4-trimethylpentane	12.300	57	576959	4.143	ppbV		99
46) heptane	12.613	43	190563	4.652	ppbV		90
47) cis-1,3-dichloropropene	13.267	75	165536	4.863	ppbV	#	88
48) 4-methyl-2-pentanone	13.325	43	224812	4.765	ppbV		92
49) trans-1,3-dichloropropene	13.883	75	114634	4.648	ppbV	#	89
50) 1,1,2-trichloroethane	14.075	97	130206	4.069	ppbV	#	83
52) toluene	14.383	91	436730	5.023	ppbV		98
54) 2-hexanone	14.675	43	205850	5.792	ppbV		89
55) dibromochloromethane	14.825	129	138327	4.318	ppbV		98
56) 1,2-dibromoethane	15.067	107	187965	5.262	ppbV		98
57) tetrachloroethene	15.525	166	209566	5.474	ppbV	#	88
58) 1,1,1,2-tetrachloroethane	16.133	131	130665	4.667	ppbV		98
59) chlorobenzene	16.150	112	365240	5.629	ppbV		96
60) ethylbenzene	16.483	91	550588	5.168	ppbV		95
61) m+p-xylene	16.650	91	899473	10.430	ppbV		94
62) bromoform	16.717	173	145212	5.194	ppbV		99
63) styrene	16.967	104	352110	5.755	ppbV		96
64) 1,1,2,2-tetrachloroethane	17.058	83	357395	6.189	ppbV		96
65) o-xylene	17.067	91	450042	5.249	ppbV		93
66) 1,2,3-Trichloropropane	17.175	75	249014	6.494	ppbV	#	91
68) isopropylbenzene	17.575	105	596469	5.472	ppbV		95
69) Bromobenzene	17.658	77	352274	6.435	ppbV		97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442003_Ev2.D
Acq On : 20 Jan 2026 2:28 AM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD5.0
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:27:52 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Nov 21 14:36:12 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

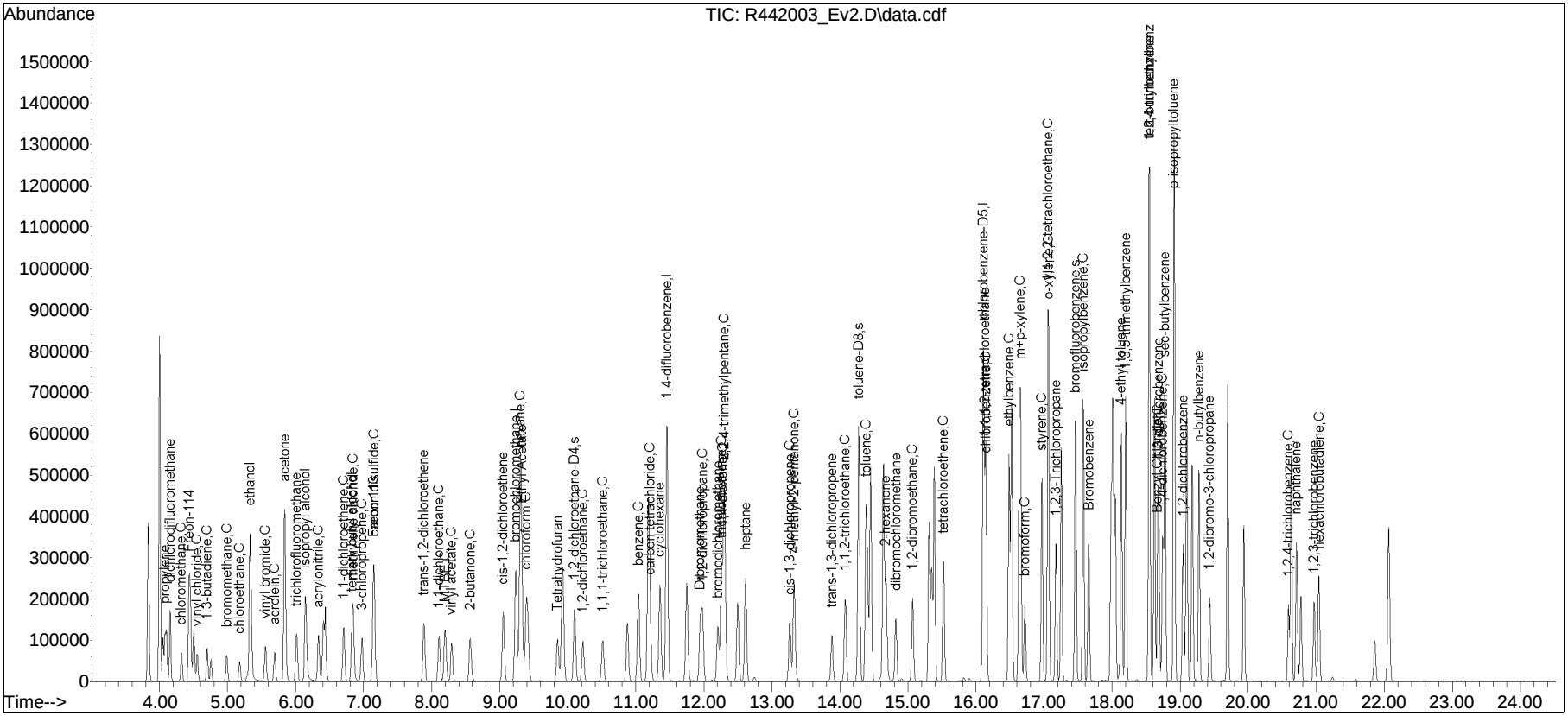
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	18.133	105	531401	5.762	ppbV	96
71) 1,3,5-trimethylbenzene	18.200	105	514849	5.878	ppbV	95
72) tert-butylbenzene	18.550	119	575870	5.833	ppbV	98
73) 1,2,4-trimethylbenzene	18.550	105	508917	6.077	ppbV	91
74) Benzyl Chloride	18.667	91	288093	5.080	ppbV	98
75) 1,3-dichlorobenzene	18.683	146	332389	6.372	ppbV	95
76) 1,4-dichlorobenzene	18.742	146	318382	6.561	ppbV	96
77) sec-butylbenzene	18.775	105	765068	5.702	ppbV	97
78) p-isopropyltoluene	18.908	119	700390	6.212	ppbV	96
79) 1,2-dichlorobenzene	19.042	146	315337	6.451	ppbV	94
80) n-butylbenzene	19.275	91	540621	5.848	ppbV	98
81) 1,2-dibromo-3-chloropr...	19.433	75	118584	7.290	ppbV	94
82) 1,2,4-trichlorobenzene	20.592	180	218967	8.151	ppbV	96
83) naphthalene	20.708	128	539143	8.079	ppbV	100
84) 1,2,3-trichlorobenzene	20.967	180	240670	8.529	ppbV	97
85) hexachlorobutadiene	21.042	225	265651	5.781	ppbV	98

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

Sub List : Default - All compounds listed01\0119SIM_I\R442003_Ev2.D

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442003_Ev2.D
Acq On : 20 Jan 2026 2:28 AM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD5.0
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

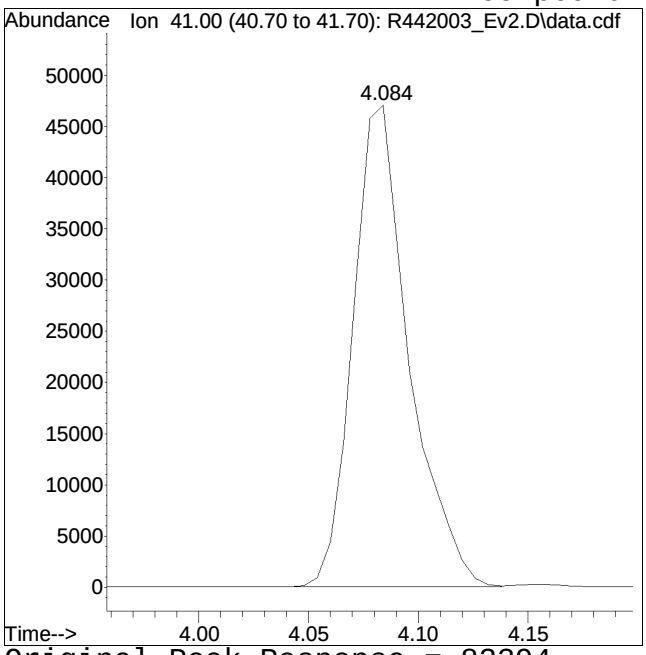
Quant Time: Jan 22 10:27:52 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Nov 21 14:36:12 2025
Response via : Initial Calibration



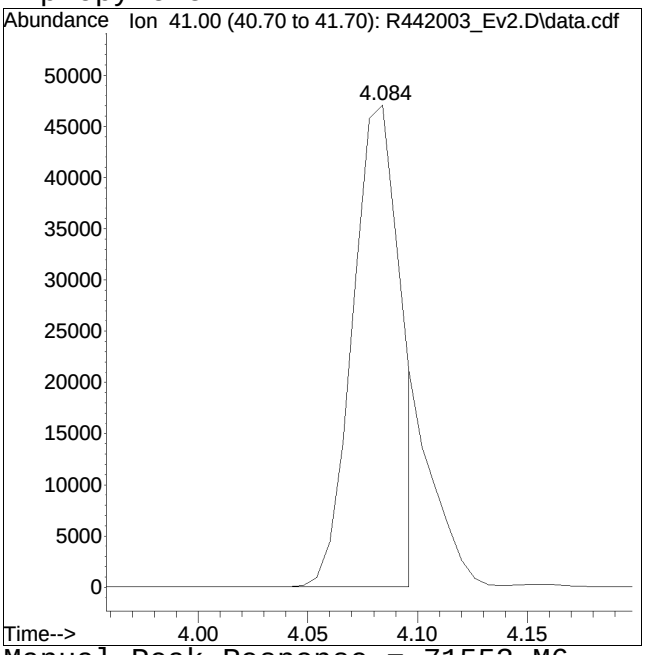
Manual Integration Report

Data Path : X:\Airlab\Data\Airpiano4\2QMethod : TSIM4_260119.M
Data File : R442003_Ev2.D Operator : AIRPIANO4:RAY
Date Inj'd : 1/20/2026 2:28 AM Instrument :
Sample : ITO15-SIMSTD5.0 Quant Date : 1/22/2026 10:27 am

Compound #2: propylene



Original Peak Response = 83394



Manual Peak Response = 71553 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442004_Ev2.D
Acq On : 20 Jan 2026 3:10 AM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD010
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:34:02 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.242	49	313107	10.000	ppbV	0.00
Standard Area = 308436			Recovery = 101.51%			
33) 1,4-difluorobenzene	11.460	114	902511	10.000	ppbV	0.00
Standard Area = 880469			Recovery = 102.50%			
51) chlorobenzene-D5	16.108	54	121011	10.000	ppbV	0.00
Standard Area = 119553			Recovery = 101.22%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	10.100	65	141231	9.975	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.75%			
53) toluene-D8	14.275	98	728285	10.335	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.35%			
67) bromofluorobenzene	17.450	95	499831	10.120	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.20%			
Target Compounds						Qvalue
2) propylene	4.078	41	147614M6	10.161	ppbV	
3) dichlorodifluoromethane	4.156	85	327634	9.642	ppbV	99
4) chloromethane	4.324	50	150378	9.634	ppbV	99
5) Freon-114	4.432	85	320046	9.598	ppbV	97
6) vinyl chloride	4.552	62	164296	10.052	ppbV	100
7) 1,3-butadiene	4.696	54	121219	10.017	ppbV	95
8) bromomethane	4.984	94	119757	10.029	ppbV	99
9) chloroethane	5.176	64	81765	10.186	ppbV	100
10) ethanol	5.326	31	612845	48.615	ppbV	99
11) vinyl bromide	5.557	106	150494	10.138	ppbV	100
12) acrolein	5.690	56	127038	10.309	ppbV	99
13) acetone	5.830	43	1028469	49.068	ppbV	98
14) trichlorofluoromethane	6.013	101	264439	9.940	ppbV	98
15) isopropyl alcohol	6.127	45	762344	25.832	ppbV	100
16) acrylonitrile	6.337	53	224153	10.292	ppbV	100
17) 1,1-dichloroethene	6.708	61	266649	10.104	ppbV	99
18) tertiary butyl alcohol	6.804	59	412224	10.231	ppbV	99
19) methylene chloride	6.846	49	248748	10.038	ppbV	100
20) 3-chloropropene	6.978	41	247055	10.261	ppbV	99
21) carbon disulfide	7.152	76	542826	9.969	ppbV	99
22) Freon 113	7.146	101	345020	10.025	ppbV	99
23) trans-1,2-dichloroethene	7.883	61	248611	10.192	ppbV	100
24) 1,1-dichloroethane	8.108	63	349954	10.123	ppbV	100

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442004_Ev2.D
Acq On : 20 Jan 2026 3:10 AM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD010
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:34:02 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	8.183	73	447607	10.167	ppbV		97
26) vinyl acetate	8.292	43	386541	10.831	ppbV		99
27) 2-butanone	8.558	43	399801	10.155	ppbV		99
28) cis-1,2-dichloroethene	9.050	61	268454	10.171	ppbV		99
29) Ethyl Acetate	9.325	61	70040	10.480	ppbV		73
30) chloroform	9.392	83	375762	9.952	ppbV		99
31) Tetrahydrofuran	9.833	42	203789	10.233	ppbV		99
32) 1,2-dichloroethane	10.225	62	171389	10.047	ppbV		99
34) hexane	9.300	57	366268	10.028	ppbV	#	79
36) 1,1,1-trichloroethane	10.517	97	280259	9.786	ppbV		99
37) benzene	11.040	78	787516	9.996	ppbV		100
38) carbon tetrachloride	11.213	117	229997	10.154	ppbV		96
39) cyclohexane	11.353	56	404158	10.043	ppbV		99
40) Dibromomethane	11.947	93	208438	10.032	ppbV	#	100
41) 1,2-dichloropropane	11.980	63	255278	10.079	ppbV		98
42) bromodichloromethane	12.207	83	333098	10.187	ppbV		100
43) 1,4-dioxane	12.267	88	163869	10.147	ppbV		89
44) trichloroethene	12.260	130	308146	10.164	ppbV		100
45) 2,2,4-trimethylpentane	12.300	57	1178509	9.964	ppbV		99
46) heptane	12.613	43	392164	10.038	ppbV		99
47) cis-1,3-dichloropropene	13.267	75	350050	10.315	ppbV		100
48) 4-methyl-2-pentanone	13.317	43	463504	10.057	ppbV		98
49) trans-1,3-dichloropropene	13.883	75	244292	10.395	ppbV		99
50) 1,1,2-trichloroethane	14.075	97	269180	10.084	ppbV		98
52) toluene	14.383	91	893235	10.103	ppbV		100
54) 2-hexanone	14.667	43	424851	10.195	ppbV		97
55) dibromochloromethane	14.825	129	293352	10.476	ppbV		99
56) 1,2-dibromoethane	15.067	107	385719	10.137	ppbV		99
57) tetrachloroethene	15.525	166	420942	9.922	ppbV		100
58) 1,1,1,2-tetrachloroethane	16.133	131	271922	10.280	ppbV		99
59) chlorobenzene	16.150	112	725799	9.816	ppbV		100
60) ethylbenzene	16.483	91	1111502	9.972	ppbV		99
61) m+p-xylene	16.642	91	1765126	19.388	ppbV		100
62) bromoform	16.708	173	312595	10.634	ppbV		100
63) styrene	16.958	104	713674	10.012	ppbV		98
64) 1,1,2,2-tetrachloroethane	17.050	83	688775	9.520	ppbV		99
65) o-xylene	17.050	91	880166	9.661	ppbV		98
66) 1,2,3-Trichloropropane	17.167	75	488091	9.682	ppbV		100
68) isopropylbenzene	17.567	105	1173412	9.718	ppbV		98
69) Bromobenzene	17.642	77	689484	9.668	ppbV		92

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442004_Ev2.D
Acq On : 20 Jan 2026 3:10 AM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD010
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:34:02 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

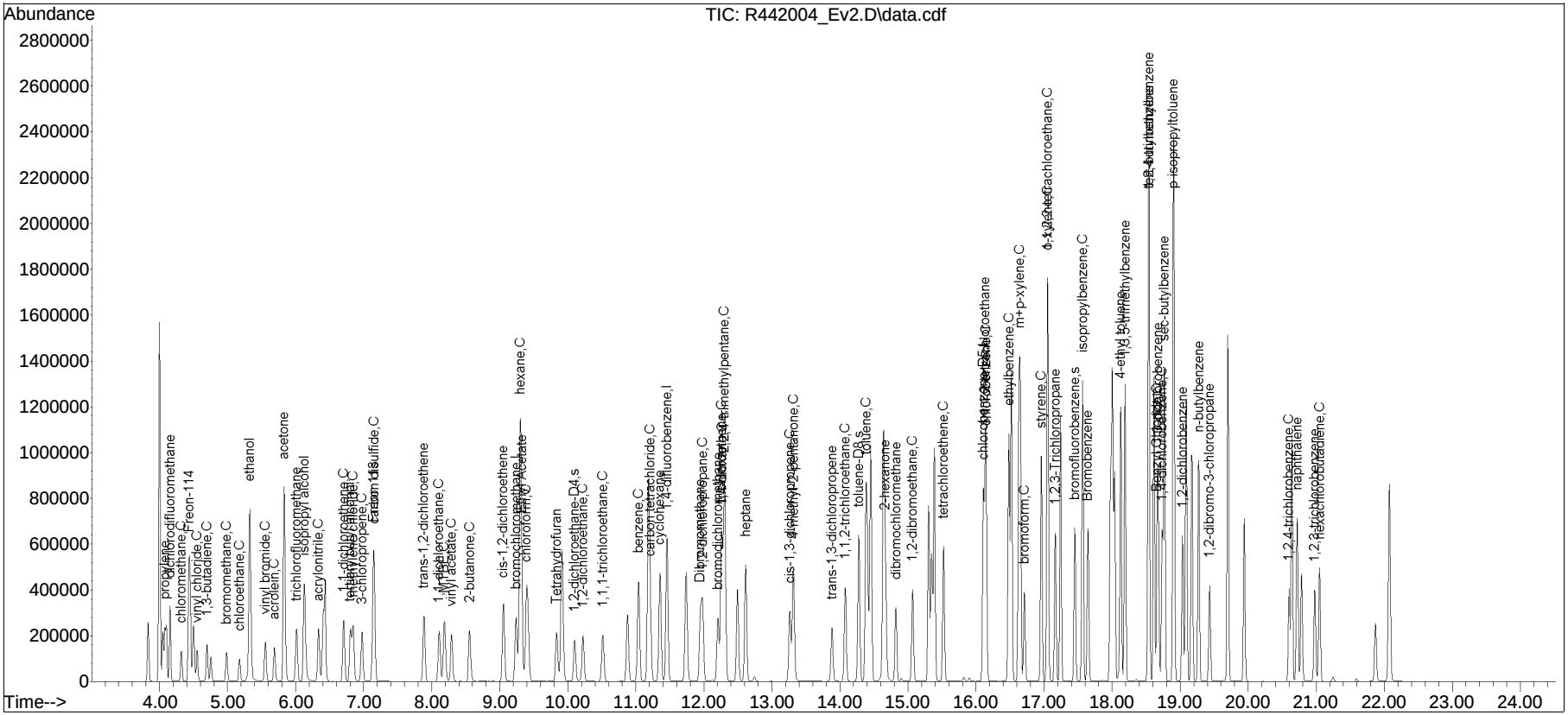
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	18.125	105	1047671	9.739	ppbV	98
71) 1,3,5-trimethylbenzene	18.192	105	1009825	9.689	ppbV	98
72) tert-butylbenzene	18.542	119	1094486	9.388	ppbV	98
73) 1,2,4-trimethylbenzene	18.542	105	971931	9.434	ppbV	99
74) Benzyl Chloride	18.658	91	628686	10.780	ppbV	99
75) 1,3-dichlorobenzene	18.675	146	644134	9.573	ppbV	98
76) 1,4-dichlorobenzene	18.733	146	622220	9.654	ppbV	99
77) sec-butylbenzene	18.767	105	1497242	9.667	ppbV	99
78) p-isopropyltoluene	18.900	119	1326549	9.356	ppbV	98
79) 1,2-dichlorobenzene	19.033	146	621773	9.740	ppbV	99
80) n-butylbenzene	19.275	91	1107739	10.122	ppbV	94
81) 1,2-dibromo-3-chloropr...	19.433	75	246753	10.279	ppbV	96
82) 1,2,4-trichlorobenzene	20.600	180	487678	11.002	ppbV	98
83) naphthalene	20.717	128	1191624	10.918	ppbV	99
84) 1,2,3-trichlorobenzene	20.975	180	521932	10.713	ppbV	100
85) hexachlorobutadiene	21.050	225	513228	9.543	ppbV	99

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

Sub List : Default - All compounds listed01\0119SIM_I\R442003_Ev2.D

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442004_Ev2.D
Acq On : 20 Jan 2026 3:10 AM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD010
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

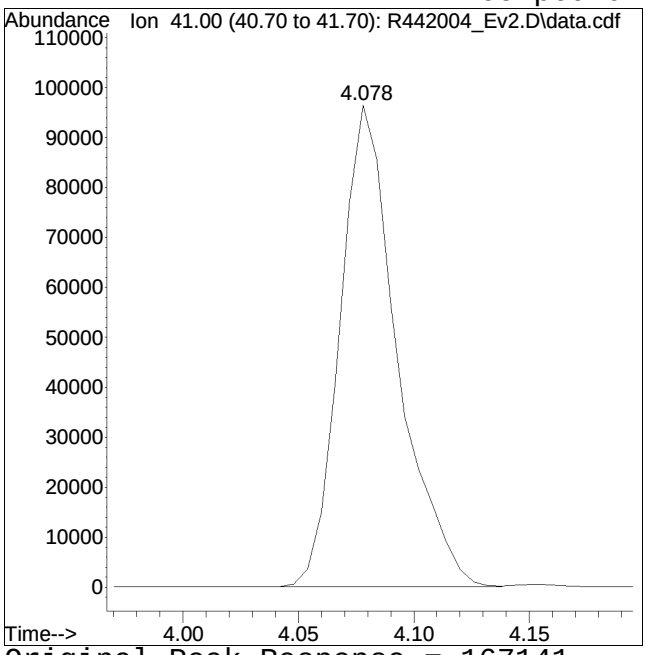
Quant Time: Jan 22 10:34:02 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration



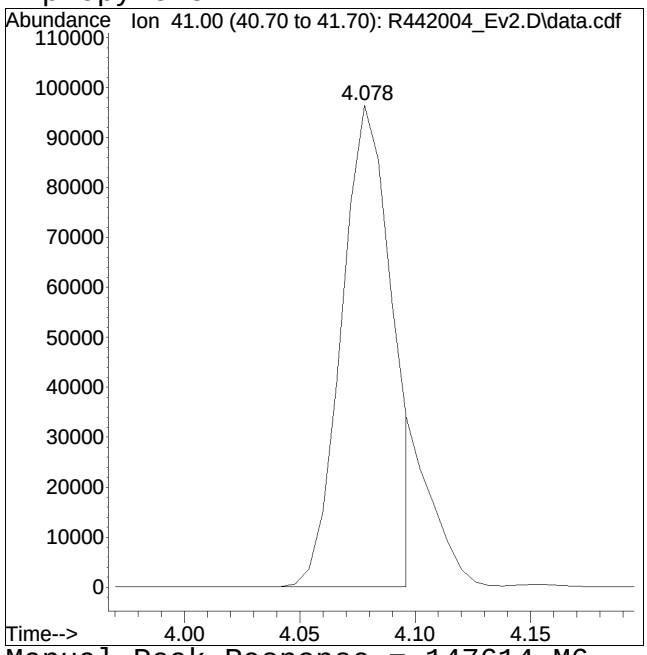
Manual Integration Report

Data Path : X:\Airlab\Data\Airpiano4\2QMethod : TSIM4_260119.M
Data File : R442004_Ev2.D Operator : AIRPIANO4:RAY
Date Inj'd : 1/20/2026 3:10 AM Instrument :
Sample : ITO15-SIMSTD010 Quant Date : 1/22/2026 10:34 am

Compound #2: propylene



Original Peak Response = 167141



Manual Peak Response = 147614 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442005_Ev2.D
Acq On : 20 Jan 2026 3:48 AM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD020
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:34:11 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.233	49	302235	10.000	ppbV	0.00
Standard Area = 308436			Recovery = 97.99%			
33) 1,4-difluorobenzene	11.453	114	863288	10.000	ppbV	0.00
Standard Area = 880469			Recovery = 98.05%			
51) chlorobenzene-D5	16.108	54	115165	10.000	ppbV	0.00
Standard Area = 119553			Recovery = 96.33%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	10.100	65	134050	9.898	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.98%			
53) toluene-D8	14.275	98	708096	10.558	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.58%			
67) bromofluorobenzene	17.467	95	475170	10.109	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.09%			
Target Compounds						Qvalue
2) propylene	4.066	41	318888M6	22.741	ppbV	
3) dichlorodifluoromethane	4.144	85	614080	18.721	ppbV	99
4) chloromethane	4.312	50	291762	19.364	ppbV	99
5) Freon-114	4.420	85	607905	18.886	ppbV	99
6) vinyl chloride	4.546	62	327231	20.741	ppbV	100
7) 1,3-butadiene	4.690	54	260792	22.327	ppbV	95
8) bromomethane	4.978	94	237375	20.595	ppbV	99
9) chloroethane	5.164	64	166058	21.432	ppbV	99
10) ethanol	5.320	31	1025819	84.302	ppbV	92
11) vinyl bromide	5.547	106	323081	22.547	ppbV	100
12) acrolein	5.673	56	263334	22.137	ppbV	99
13) acetone	5.817	43	2076182	102.617	ppbV	92
14) trichlorofluoromethane	6.003	101	506556	19.727	ppbV	99
15) isopropyl alcohol	6.110	45	1646932	57.813	ppbV	99
16) acrylonitrile	6.327	53	459698	21.867	ppbV	99
17) 1,1-dichloroethene	6.696	61	529078	20.770	ppbV	99
18) tertiary butyl alcohol	6.786	59	882211	22.682	ppbV	98
19) methylene chloride	6.834	49	490820	20.519	ppbV	99
20) 3-chloropropene	6.966	41	535523	23.042	ppbV	98
21) carbon disulfide	7.146	76	1137844	21.648	ppbV	99
22) Freon 113	7.140	101	675993	20.347	ppbV	98
23) trans-1,2-dichloroethene	7.875	61	544505	23.124	ppbV	99
24) 1,1-dichloroethane	8.100	63	699036	20.948	ppbV	100

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442005_Ev2.D
Acq On : 20 Jan 2026 3:48 AM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD020
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:34:11 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	8.175	73	955924	22.494	ppbV		98
26) vinyl acetate	8.283	43	897854	26.062	ppbV		98
27) 2-butanone	8.542	43	869331	22.875	ppbV		99
28) cis-1,2-dichloroethene	9.050	61	537884	21.112	ppbV		96
29) Ethyl Acetate	9.308	61	154579	23.961	ppbV		98
30) chloroform	9.383	83	718297	19.709	ppbV		99
31) Tetrahydrofuran	9.817	42	444663	23.131	ppbV		97
32) 1,2-dichloroethane	10.217	62	331728	20.146	ppbV		97
34) hexane	9.292	57	778674	22.288	ppbV		83
36) 1,1,1-trichloroethane	10.508	97	555278	20.270	ppbV		98
37) benzene	11.033	78	1535459	20.375	ppbV		99
38) carbon tetrachloride	11.213	117	447690	20.663	ppbV		99
39) cyclohexane	11.353	56	880380	22.871	ppbV		99
40) Dibromomethane	11.947	93	411836	20.722	ppbV	#	99
41) 1,2-dichloropropane	11.973	63	504994	20.845	ppbV		98
42) bromodichloromethane	12.200	83	706350	22.584	ppbV		100
43) 1,4-dioxane	12.247	88	362379	23.460	ppbV		88
44) trichloroethene	12.253	130	602543	20.778	ppbV		98
45) 2,2,4-trimethylpentane	12.300	57	2505141	22.142	ppbV		99
46) heptane	12.607	43	818433	21.901	ppbV		96
47) cis-1,3-dichloropropene	13.258	75	706015	21.750	ppbV		100
48) 4-methyl-2-pentanone	13.300	43	975541	22.129	ppbV		98
49) trans-1,3-dichloropropene	13.875	75	490754	21.831	ppbV		99
50) 1,1,2-trichloroethane	14.075	97	532983	20.874	ppbV		97
52) toluene	14.383	91	1728887	20.548	ppbV		99
54) 2-hexanone	14.658	43	892534	22.505	ppbV		93
55) dibromochloromethane	14.817	129	629750	23.630	ppbV		99
56) 1,2-dibromoethane	15.067	107	751405	20.749	ppbV		99
57) tetrachloroethene	15.517	166	802493	19.876	ppbV		99
58) 1,1,1,2-tetrachloroethane	16.133	131	527024	20.935	ppbV		98
59) chlorobenzene	16.150	112	1364931	19.397	ppbV		99
60) ethylbenzene	16.492	91	2140411	20.178	ppbV		98
61) m+p-xylene	16.650	91	3308114	38.180	ppbV		99
62) bromoform	16.725	173	678208	24.242	ppbV		99
63) styrene	16.975	104	1395674	20.574	ppbV		97
64) 1,1,2,2-tetrachloroethane	17.067	83	1266301	18.391	ppbV		98
65) o-xylene	17.067	91	1586431	18.297	ppbV		99
66) 1,2,3-Trichloropropane	17.183	75	938831	19.569	ppbV		100
68) isopropylbenzene	17.583	105	2176266	18.938	ppbV		97
69) Bromobenzene	17.658	77	1293087	19.053	ppbV		95

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442005_Ev2.D
Acq On : 20 Jan 2026 3:48 AM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD020
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:34:11 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

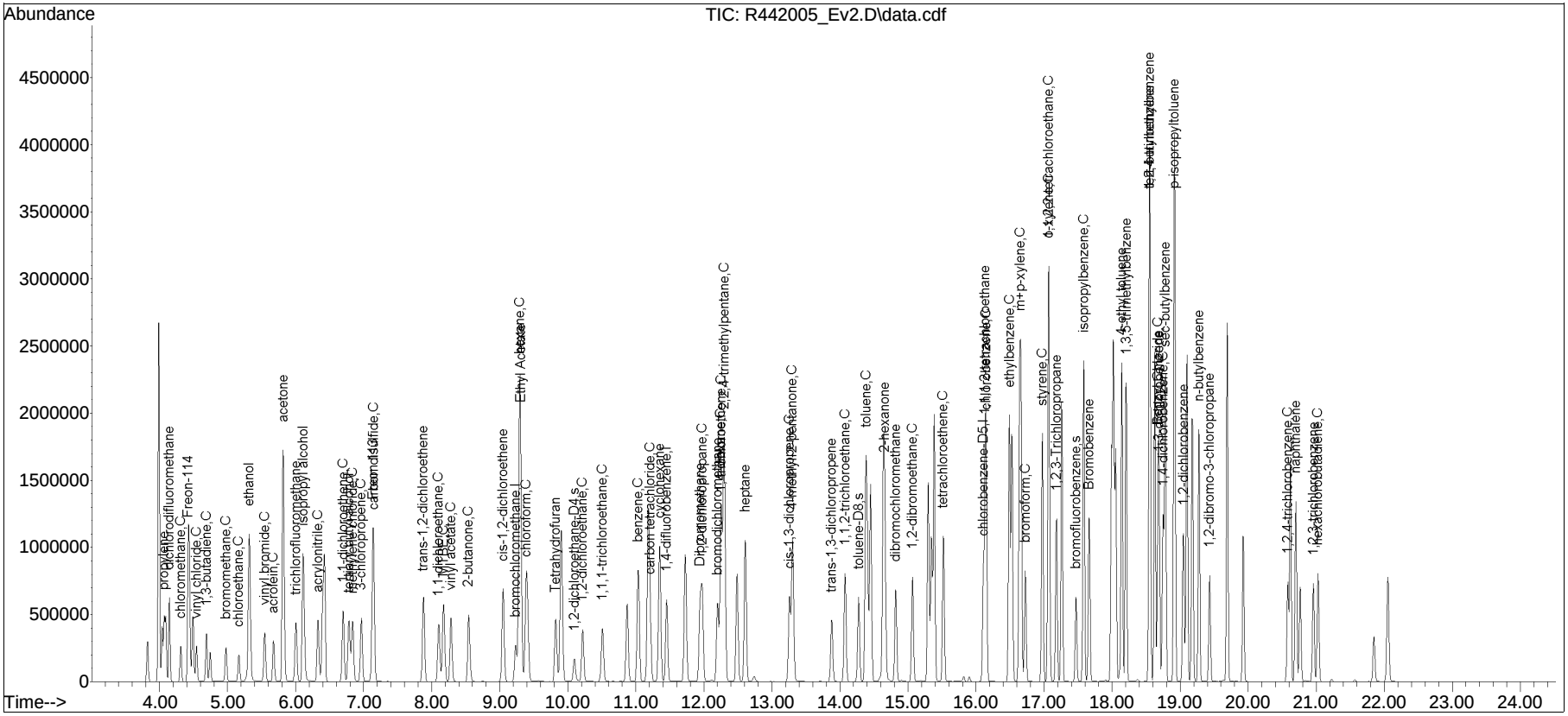
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	18.142	105	2102046	20.532	ppbV	96
71) 1,3,5-trimethylbenzene	18.208	105	1816465	18.313	ppbV	95
72) tert-butylbenzene	18.550	119	1886166	17.001	ppbV	95
73) 1,2,4-trimethylbenzene	18.550	105	1675464	17.088	ppbV	97
74) Benzyl Chloride	18.675	91	1354964	24.412	ppbV	93
75) 1,3-dichlorobenzene	18.692	146	1193856	18.643	ppbV	93
76) 1,4-dichlorobenzene	18.750	146	1202640	19.606	ppbV	93
77) sec-butylbenzene	18.783	105	2658630	18.037	ppbV	92
78) p-isopropyltoluene	18.917	119	2242269	16.617	ppbV	91
79) 1,2-dichlorobenzene	19.050	146	1165251	19.180	ppbV	92
80) n-butylbenzene	19.275	91	2023825	19.431	ppbV	95
81) 1,2-dibromo-3-chloropr...	19.433	75	446398	19.539	ppbV	91
82) 1,2,4-trichlorobenzene	20.583	180	942300	22.337	ppbV	95
83) naphthalene	20.700	128	2222821	21.400	ppbV	97
84) 1,2,3-trichlorobenzene	20.958	180	955526	20.608	ppbV	96
85) hexachlorobutadiene	21.025	225	842914	16.470	ppbV	98

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

Sub List : Default - All compounds listed01\0119SIM_I\R442003_Ev2.D

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442005_Ev2.D
Acq On : 20 Jan 2026 3:48 AM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD020
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

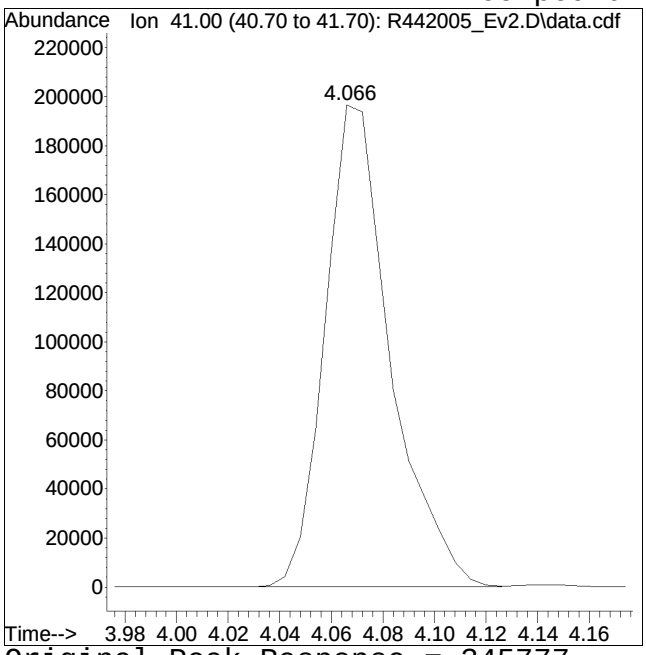
Quant Time: Jan 22 10:34:11 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration



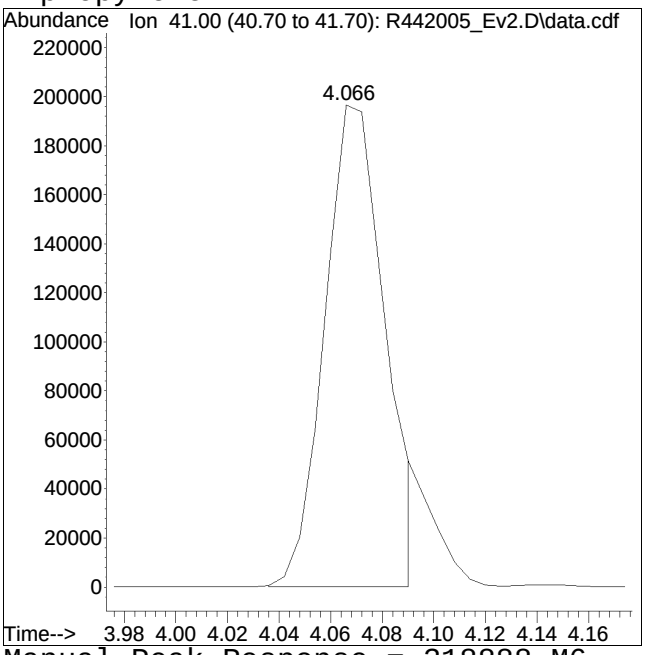
Manual Integration Report

Data Path : X:\Airlab\Data\Airpiano4\2QMethod : TSIM4_260119.M
Data File : R442005_Ev2.D Operator : AIRPIANO4:RAY
Date Inj'd : 1/20/2026 3:48 AM Instrument :
Sample : ITO15-SIMSTD020 Quant Date : 1/22/2026 10:34 am

Compound #2: propylene



Original Peak Response = 345777



Manual Peak Response = 318888 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442006_Ev2.D
Acq On : 20 Jan 2026 4:27 AM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD050
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:34:20 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.242	49	279027	10.000	ppbV	0.00
Standard Area = 308436			Recovery = 90.47%			
33) 1,4-difluorobenzene	11.460	114	795577	10.000	ppbV	0.00
Standard Area = 880469			Recovery = 90.36%			
51) chlorobenzene-D5	16.108	54	102949	10.000	ppbV	0.00
Standard Area = 119553			Recovery = 86.11%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	10.100	65	116806	9.359	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.59%			
53) toluene-D8	14.275	98	671249	11.197	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.97%			
67) bromofluorobenzene	17.467	95	456053	10.854	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.54%			
Target Compounds						Qvalue
2) propylene	4.072	41	707770M6	54.671	ppbV	
3) dichlorodifluoromethane	4.150	85	1288167	42.538	ppbV	99
4) chloromethane	4.318	50	626885	45.067	ppbV	99
5) Freon-114	4.426	85	1257219	42.307	ppbV	97
6) vinyl chloride	4.546	62	749342	51.447	ppbV	100
7) 1,3-butadiene	4.696	54	569185	52.781	ppbV	89
8) bromomethane	4.984	94	520235	48.889	ppbV	99
9) chloroethane	5.170	64	387457	54.165	ppbV	98
10) ethanol	5.326	31	2577326	229.422	ppbV	93
11) vinyl bromide	5.553	106	702184	53.080	ppbV	98
12) acrolein	5.680	56	617158	56.197	ppbV	99
13) acetone	5.820	43	4151516	222.259	ppbV #	81
14) trichlorofluoromethane	6.010	101	1036511	43.722	ppbV	99
15) isopropyl alcohol	6.117	45	3449984	131.180	ppbV	97
16) acrylonitrile	6.337	53	1054587	54.338	ppbV	97
17) 1,1-dichloroethene	6.702	61	1162781	49.444	ppbV	97
18) tertiary butyl alcohol	6.774	59	2002885	55.779	ppbV	94
19) methylene chloride	6.846	49	1051423	47.610	ppbV	95
20) 3-chloropropene	6.972	41	1179164	54.955	ppbV	98
21) carbon disulfide	7.152	76	2321759	47.846	ppbV	99
22) Freon 113	7.140	101	1432154	46.693	ppbV	96
23) trans-1,2-dichloroethene	7.883	61	1209712	55.648	ppbV	96
24) 1,1-dichloroethane	8.108	63	1565363	50.810	ppbV	99

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442006_Ev2.D
Acq On : 20 Jan 2026 4:27 AM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD050
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:34:20 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	8.175	73	2009484	51.217	ppbV		95
26) vinyl acetate	8.292	43	2042948	64.233	ppbV		94
27) 2-butanone	8.542	43	1888102	53.815	ppbV		99
28) cis-1,2-dichloroethene	9.058	61	1197568	50.915	ppbV		91
29) Ethyl Acetate	9.317	61	347031	58.267	ppbV	#	56
30) chloroform	9.392	83	1470006	43.689	ppbV		99
31) Tetrahydrofuran	9.817	42	981306	55.293	ppbV		99
32) 1,2-dichloroethane	10.225	62	683854	44.985	ppbV		95
34) hexane	9.300	57	1655156	51.409	ppbV	#	79
36) 1,1,1-trichloroethane	10.517	97	1142848	45.269	ppbV		97
37) benzene	11.040	78	3289992	47.373	ppbV		99
38) carbon tetrachloride	11.213	117	896906	44.920	ppbV		99
39) cyclohexane	11.353	56	1966095	55.423	ppbV		98
40) Dibromomethane	11.947	93	882239	48.168	ppbV	#	99
41) 1,2-dichloropropane	11.980	63	1118426	50.095	ppbV		97
42) bromodichloromethane	12.207	83	1461760	50.714	ppbV		99
43) 1,4-dioxane	12.240	88	788253	55.373	ppbV		87
44) trichloroethene	12.260	130	1297483	48.551	ppbV		99
45) 2,2,4-trimethylpentane	12.300	57	5318280	51.007	ppbV		98
46) heptane	12.613	43	1706998	49.567	ppbV		91
47) cis-1,3-dichloropropene	13.258	75	1477324	49.384	ppbV		98
48) 4-methyl-2-pentanone	13.300	43	2009387	49.459	ppbV		91
49) trans-1,3-dichloropropene	13.883	75	1029534	49.697	ppbV		99
50) 1,1,2-trichloroethane	14.083	97	1165272	49.522	ppbV		92
52) toluene	14.383	91	3614312	48.053	ppbV		99
54) 2-hexanone	14.658	43	1729146	48.774	ppbV	#	83
55) dibromochloromethane	14.825	129	1303513	54.716	ppbV		98
56) 1,2-dibromoethane	15.067	107	1531222	47.301	ppbV		98
57) tetrachloroethene	15.525	166	1571507	43.542	ppbV		98
58) 1,1,1,2-tetrachloroethane	16.133	131	1049165	46.622	ppbV		98
59) chlorobenzene	16.150	112	2644551	42.042	ppbV		99
60) ethylbenzene	16.492	91	4306071	45.411	ppbV		99
61) m+p-xylene	16.658	91	6360079	82.113	ppbV		98
62) bromoform	16.725	173	1370979	54.820	ppbV		99
63) styrene	16.975	104	2818807	46.483	ppbV		93
64) 1,1,2,2-tetrachloroethane	17.067	83	2366382	38.445	ppbV		98
65) o-xylene	17.067	91	2978889	38.433	ppbV		98
66) 1,2,3-Trichloropropane	17.183	75	1814754	42.316	ppbV		99
68) isopropylbenzene	17.583	105	4140716	40.308	ppbV		95
69) Bromobenzene	17.658	77	2437771	40.181	ppbV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442006_Ev2.D
Acq On : 20 Jan 2026 4:27 AM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD050
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 10:34:20 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

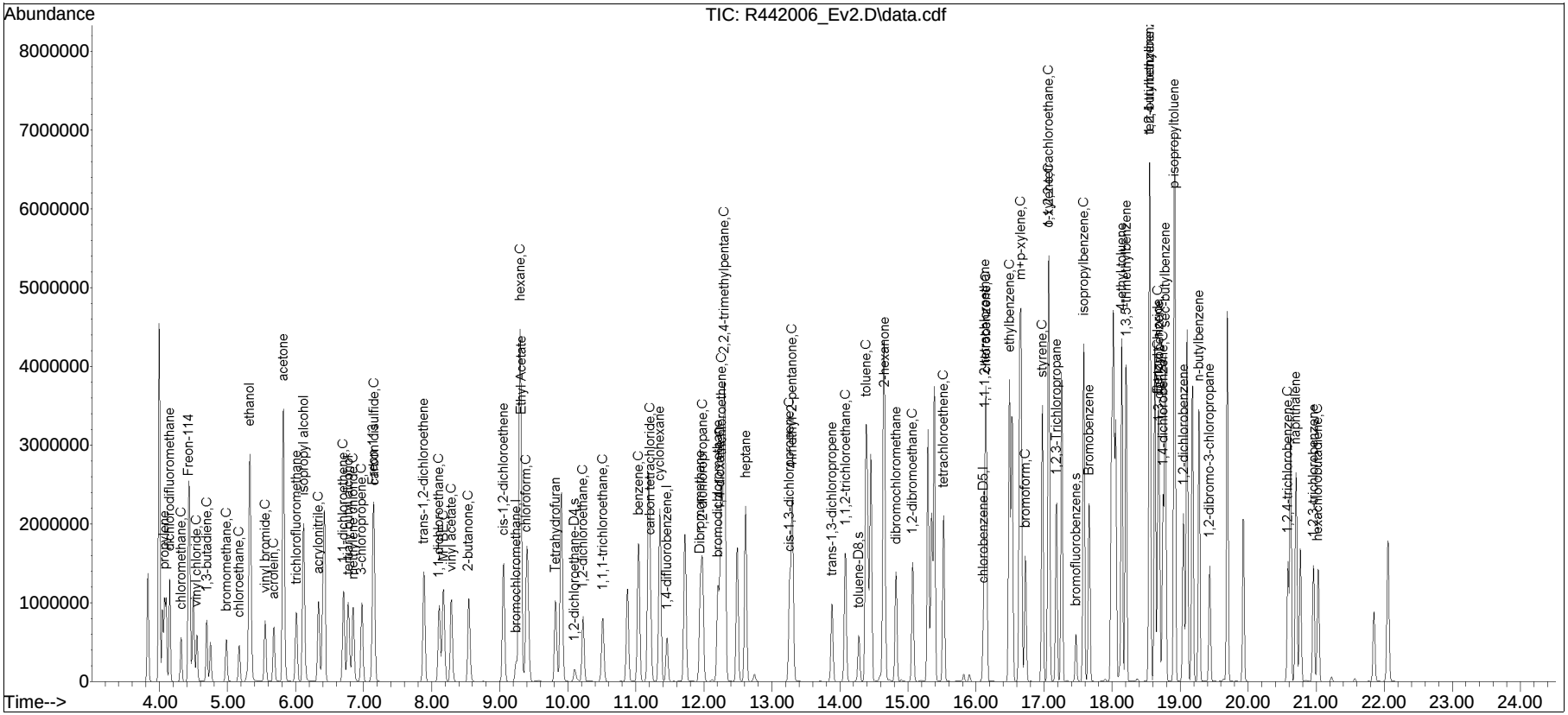
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
70) 4-ethyl toluene	18.142	105	4023575	43.964	ppbV		96
71) 1,3,5-trimethylbenzene	18.208	105	3387022	38.199	ppbV		93
72) tert-butylbenzene	18.550	119	3278378	33.055	ppbV		91
73) 1,2,4-trimethylbenzene	18.550	105	3022795	34.488	ppbV		95
74) Benzyl Chloride	18.675	91	2842871	57.297	ppbV		91
75) 1,3-dichlorobenzene	18.692	146	2395293	41.843	ppbV	#	90
76) 1,4-dichlorobenzene	18.750	146	2313562	42.193	ppbV	#	89
77) sec-butylbenzene	18.783	105	4906061M3	37.234	ppbV		
78) p-isopropyltoluene	18.917	119	3889947	32.249	ppbV	#	88
79) 1,2-dichlorobenzene	19.050	146	2333603	42.970	ppbV	#	89
80) n-butylbenzene	19.275	91	3956304	42.492	ppbV		92
81) 1,2-dibromo-3-chloropr...	19.433	75	817609	40.034	ppbV	#	82
82) 1,2,4-trichlorobenzene	20.583	180	2044131	54.205	ppbV		95
83) naphthalene	20.700	128	4762511	51.291	ppbV		98
84) 1,2,3-trichlorobenzene	20.958	180	2056875	49.624	ppbV		95
85) hexachlorobutadiene	21.025	225	1577301	34.476	ppbV		96

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

Sub List : Default - All compounds listed01\0119SIM_I\R442003_Ev2.D

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442006_Ev2.D
Acq On : 20 Jan 2026 4:27 AM
Operator : AIRPIANO4:RAY
Sample : ITO15-SIMSTD050
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

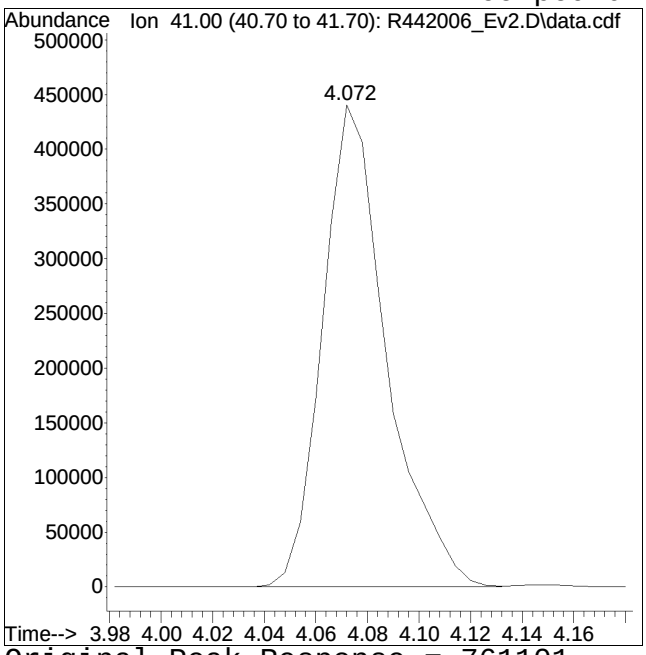
Quant Time: Jan 22 10:34:20 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 10:31:16 2026
Response via : Initial Calibration



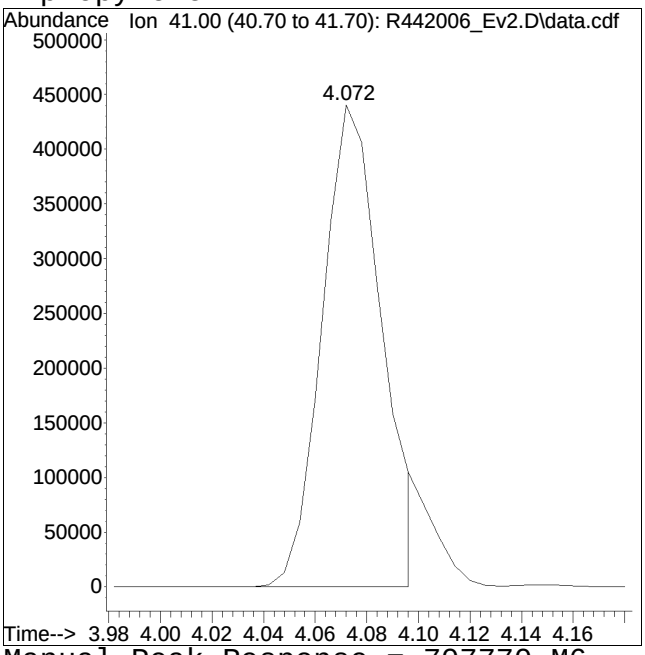
Manual Integration Report

Data Path : X:\Airlab\Data\Airpiano4\2QMethod : TSIM4_260119.M
Data File : R442006_Ev2.D Operator : AIRPIANO4:RAY
Date Inj'd : 1/20/2026 4:27 AM Instrument :
Sample : ITO15-SIMSTD050 Quant Date : 1/22/2026 10:34 am

Compound #2: propylene



Original Peak Response = 761101



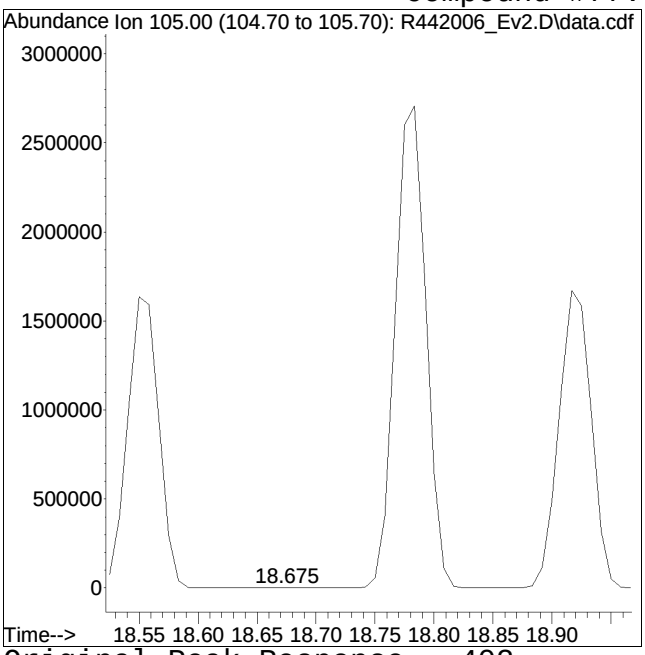
Manual Peak Response = 707770 M6

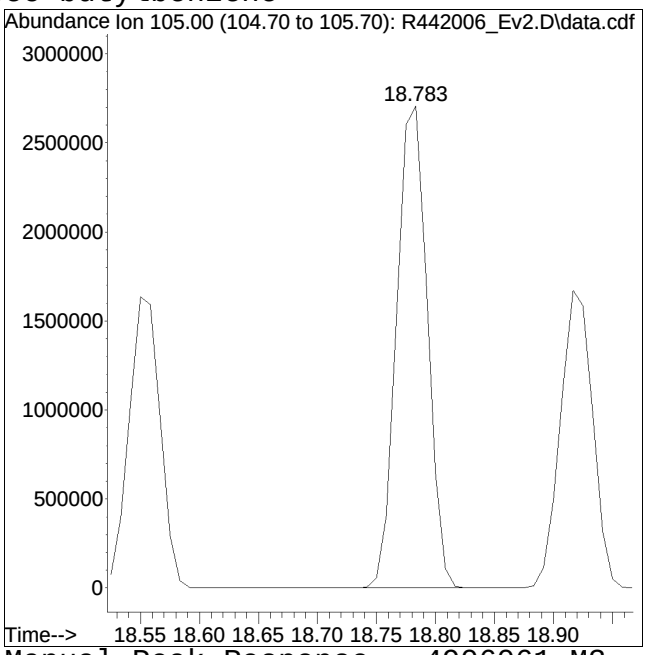
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : X:\Airlab\Data\Airpiano4\2QMethod : TSIM4_260119.M
Data File : R442006_Ev2.D Operator : AIRPIANO4:RAY
Date Inj'd : 1/20/2026 4:27 AM Instrument :
Sample : ITO15-SIMSTD050 Quant Date : 1/22/2026 10:34 am

Compound #77: sec-butylbenzene





Original Peak Response = 402 Manual Peak Response = 4906061 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 : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442015_Ev2.D
Acq On : 21 Jan 2026 12:49 PM
Operator : AIRPIANO4:RAY
Sample : CTO15-SIMSTD5.0
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 23 08:33:37 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:57 2026
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	83	-0.04
2		propylene	0.564	0.569	-0.9	101	-0.04
3		dichlorodifluoromethane	1.087	1.000	8.0	76	-0.03
4	C	chloromethane	0.498	0.446	10.4	74	-0.04
5		Freon-114	1.084	1.018	6.1	79	-0.04
6	C	vinyl chloride	0.567	0.570	-0.5	90	-0.03
7	C	1,3-butadiene	0.433	0.482	-11.3	103	-0.04
8	C	bromomethane	0.418	0.432	-3.3	94	-0.04
9	C	chloroethane	0.277	0.289	-4.3	93	-0.04
10		ethanol	0.475	0.448	5.7	92	-0.04
11	C	vinyl bromide	0.525	0.607	-15.6	106	-0.04
12	C	acrolein	0.425	0.359	15.5	76	-0.04
13		acetone	0.726	0.789	-8.7	98	-0.05
14		trichlorofluoromethane	0.873	0.786	10.0	77	-0.04
15		isopropyl alcohol	0.993	1.029	-3.6	90	-0.05
16	C	acrylonitrile	0.733	0.731	0.3	87	-0.04
17	C	1,1-dichloroethene	0.870	0.943	-8.4	93	-0.04
18		tertiary butyl alcohol	1.318	1.272	3.5	82	-0.05
19	C	methylene chloride	0.828	0.867	-4.7	91	-0.04
20	C	3-chloropropene	0.842	1.169	-38.8#	126	-0.05
21	C	carbon disulfide	1.882	2.220	-18.0	106	-0.04
22		Freon 113	1.155	1.231	-6.6	93	-0.04
23		trans-1,2-dichloroethene	0.881	1.042	-18.3	111	-0.04
24	C	1,1-dichloroethane	1.163	1.214	-4.4	91	-0.04
25	C	MTBE	1.531	1.741	-13.7	103	-0.05
26	C	vinyl acetate	1.327	0.932	29.8	68	-0.04
27	C	2-butanone	1.386	1.446	-4.3	95	-0.05
28		cis-1,2-dichloroethene	0.889	0.942	-6.0	93	-0.04
29		Ethyl Acetate	0.240	0.308	-28.3	120	-0.04
30	C	chloroform	1.270	1.231	3.1	85	-0.04
31		Tetrahydrofuran	0.703	0.912	-29.7	119	-0.05
32	C	1,2-dichloroethane	0.590	0.513	13.1	78	-0.05
33	I	1,4-difluorobenzene	1.000	1.000	0.0	84	-0.05
34	C	hexane	0.443	0.552	-24.6	115	-0.04
35	s	1,2-dichloroethane-D4	0.155	0.138	11.0	74	-0.04
36	C	1,1,1-trichloroethane	0.319	0.303	5.0	80	-0.05
37	C	benzene	0.913	0.943	-3.3	91	-0.05
38	C	carbon tetrachloride	0.241	0.250	-3.7	84	-0.05

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442015_Ev2.D
Acq On : 21 Jan 2026 12:49 PM
Operator : AIRPIANO4:RAY
Sample : CTO15-SIMSTD5.0
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 23 08:33:37 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:57 2026
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	0.486	0.611	-25.7	115	-0.04
40		Dibromomethane	0.248	0.270	-8.9	99	-0.04
41	C	1,2-dichloropropane	0.295	0.320	-8.5	96	-0.04
42		bromodichloromethane	0.392	0.454	-15.8	106	-0.04
43	C	1,4-dioxane	0.194	0.253	-30.4#	119	-0.05
44	C	trichloroethene	0.352	0.381	-8.2	96	-0.04
45	C	2,2,4-trimethylpentane	1.414	1.816	-28.4	117	-0.03
46		heptane	0.461	0.561	-21.7	109	-0.04
47	C	cis-1,3-dichloropropene	0.381	0.482	-26.5	108	-0.04
48	C	4-methyl-2-pentanone	0.536	0.636	-18.7	105	-0.04
49		trans-1,3-dichloropropene	0.252	0.326	-29.4	106	-0.04
50	C	1,1,2-trichloroethane	0.303	0.331	-9.2	94	-0.03
51	I	chlorobenzene-D5	1.000	1.000	0.0	80	-0.03
52	C	toluene	7.545	8.853	-17.3	97	-0.03
53	s	toluene-D8	6.090	6.498	-6.7	89	-0.03
54		2-hexanone	3.495	4.314	-23.4	100	-0.03
55		dibromochloromethane	2.412	3.021	-25.2	105	-0.03
56	C	1,2-dibromoethane	3.119	3.681	-18.0	94	-0.03
57	C	tetrachloroethene	3.615	4.056	-12.2	93	-0.03
58		1,1,1,2-tetrachloroethane	2.162	2.442	-13.0	89	-0.02
59	C	chlorobenzene	6.152	6.879	-11.8	90	-0.02
60	C	ethylbenzene	9.136	10.743	-17.6	93	-0.03
61	C	m+p-xylene	7.289	8.554	-17.4	91	-0.02
62	C	bromoform	2.321	2.539	-9.4	84	-0.02
63	C	styrene	5.645	6.933	-22.8	94	-0.02
64	C	1,1,2,2-tetrachloroethane	5.783	7.008	-21.2	94	-0.02
65	C	o-xylene	7.311	8.517	-16.5	91	-0.02
66		1,2,3-Trichloropropane	4.088	4.436	-8.5	85	-0.02
67	s	bromofluorobenzene	4.134	4.468	-8.1	88	-0.02
68	C	isopropylbenzene	9.637	11.054	-14.7	89	-0.02
69		Bromobenzene	5.567	6.297	-13.1	86	-0.03
70		4-ethyl toluene	8.627	11.536	-33.7#	104	-0.02
71		1,3,5-trimethylbenzene	7.948	9.907	-24.6	92	-0.02
72		tert-butylbenzene	8.953	10.512	-17.4	87	-0.03
73		1,2,4-trimethylbenzene	7.752	9.707	-25.2	91	-0.03
74	C	Benzyl Chloride	4.249	5.072	-19.4	84	-0.02
75		1,3-dichlorobenzene	4.942	5.915	-19.7	85	-0.02
76	C	1,4-dichlorobenzene	4.681	5.826	-24.5	88	-0.02

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442015_Ev2.D
Acq On : 21 Jan 2026 12:49 PM
Operator : AIRPIANO4:RAY
Sample : CTO15-SIMSTD5.0
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 23 08:33:37 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:57 2026
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	12.077	13.720	-13.6	86	-0.02
78		p-isopropyltoluene	10.550	12.348	-17.0	84	-0.02
79		1,2-dichlorobenzene	4.783	5.693	-19.0	86	-0.02
80		n-butylbenzene	8.248	10.205	-23.7	90	-0.02
81		1,2-dibromo-3-chloropropane	1.571	1.521	3.2	61	-0.02
82	C	1,2,4-trichlorobenzene	3.077	4.328	-40.7#	95	0.02
83		naphthalene	7.314	8.961	-22.5	80	0.02
84		1,2,3-trichlorobenzene	3.392	4.178	-23.2	83	0.02
85	C	hexachlorobutadiene	4.066	5.124	-26.0	92	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 3

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442015_Ev2.D
Acq On : 21 Jan 2026 12:49 PM
Operator : AIRPIANO4:RAY
Sample : CTO15-SIMSTD5.0
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 23 08:33:37 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:57 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.192	49	255477	10.000	ppbV	-0.04
Standard Area = 308436			Recovery = 82.83%			
33) 1,4-difluorobenzene	11.413	114	741859	10.000	ppbV	-0.05
Standard Area = 880469			Recovery = 84.26%			
51) chlorobenzene-D5	16.075	54	95782	10.000	ppbV	-0.03
Standard Area = 119553			Recovery = 80.12%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	10.058	65	102654	8.916	ppbV	-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.16%			
53) toluene-D8	14.242	98	622437	10.671	ppbV	-0.03
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.71%			
67) bromofluorobenzene	17.442	95	427969	10.810	ppbV	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.10%			
Target Compounds						Qvalue
2) propylene	4.048	41	72626M6	5.041	ppbV	
3) dichlorodifluoromethane	4.126	85	127746	4.599	ppbV	98
4) chloromethane	4.288	50	56985	4.476	ppbV	99
5) Freon-114	4.396	85	130014	4.695	ppbV	99
6) vinyl chloride	4.522	62	72784	5.023	ppbV	99
7) 1,3-butadiene	4.666	54	61516	5.562	ppbV	90
8) bromomethane	4.948	94	55190	5.164	ppbV	100
9) chloroethane	5.140	64	36910	5.211	ppbV	98
10) ethanol	5.290	31	286361	23.605	ppbV #	85
11) vinyl bromide	5.517	106	77574	5.785	ppbV	98
12) acrolein	5.650	56	45876	4.222	ppbV	98
13) acetone	5.793	43	504169	27.179	ppbV	88
14) trichlorofluoromethane	5.973	101	100403	4.503	ppbV	100
15) isopropyl alcohol	6.093	45	328681	12.951	ppbV	99
16) acrylonitrile	6.293	53	93372	4.989	ppbV	97
17) 1,1-dichloroethene	6.666	61	120441	5.416	ppbV	96
18) tertiary butyl alcohol	6.774	59	162477	4.826	ppbV	98
19) methylene chloride	6.804	49	110704	5.232	ppbV	96
20) 3-chloropropene	6.930	41	149309	6.937	ppbV	97
21) carbon disulfide	7.110	76	283609	5.898	ppbV	98
22) Freon 113	7.104	101	157291	5.332	ppbV	97
23) trans-1,2-dichloroethene	7.842	61	133149	5.912	ppbV	95
24) 1,1-dichloroethane	8.067	63	155082	5.221	ppbV	100

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442015_Ev2.D
Acq On : 21 Jan 2026 12:49 PM
Operator : AIRPIANO4:RAY
Sample : CTO15-SIMSTD5.0
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 23 08:33:37 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:57 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	8.150	73	222345	5.684	ppbV		96
26) vinyl acetate	8.250	43	119049	3.513	ppbV		96
27) 2-butanone	8.517	43	184762	5.216	ppbV		99
28) cis-1,2-dichloroethene	9.008	61	120301	5.298	ppbV		95
29) Ethyl Acetate	9.283	61	39391	6.437	ppbV	#	55
30) chloroform	9.350	83	157201	4.845	ppbV		98
31) Tetrahydrofuran	9.800	42	116528M6	6.488	ppbV		
32) 1,2-dichloroethane	10.175	62	65473	4.343	ppbV		93
34) hexane	9.258	57	204795	6.234	ppbV		95
36) 1,1,1-trichloroethane	10.467	97	112317	4.749	ppbV		94
37) benzene	10.993	78	349635	5.161	ppbV		100
38) carbon tetrachloride	11.167	117	92814	5.194	ppbV		99
39) cyclohexane	11.313	56	226613	6.286	ppbV		97
40) Dibromomethane	11.907	93	100069	5.437	ppbV	#	99
41) 1,2-dichloropropane	11.940	63	118672	5.414	ppbV		97
42) bromodichloromethane	12.167	83	168360	5.790	ppbV		99
43) 1,4-dioxane	12.233	88	93709M4	6.527	ppbV		
44) trichloroethene	12.220	130	141250	5.413	ppbV		99
45) 2,2,4-trimethylpentane	12.267	57	673670	6.420	ppbV		97
46) heptane	12.573	43	208114	6.088	ppbV		94
47) cis-1,3-dichloropropene	13.225	75	178889	6.326	ppbV		100
48) 4-methyl-2-pentanone	13.283	43	236065	5.934	ppbV		94
49) trans-1,3-dichloropropene	13.842	75	121028	6.478	ppbV		98
50) 1,1,2-trichloroethane	14.042	97	122917	5.468	ppbV		97
52) toluene	14.350	91	423965	5.866	ppbV		99
54) 2-hexanone	14.642	43	206595	6.172	ppbV		92
55) dibromochloromethane	14.792	129	144675	6.263	ppbV		99
56) 1,2-dibromoethane	15.033	107	176304	5.901	ppbV		99
57) tetrachloroethene	15.492	166	194268	5.611	ppbV		99
58) 1,1,1,2-tetrachloroethane	16.108	131	116935	5.648	ppbV		99
59) chlorobenzene	16.125	112	329429	5.591	ppbV		98
60) ethylbenzene	16.458	91	514490	5.880	ppbV		98
61) m+p-xylene	16.625	91	819285	11.735	ppbV		100
62) bromoform	16.692	173	121584	5.468	ppbV		99
63) styrene	16.950	104	332018	6.140	ppbV		96
64) 1,1,2,2-tetrachloroethane	17.042	83	335636	6.060	ppbV		98
65) o-xylene	17.042	91	407881	5.825	ppbV		97
66) 1,2,3-Trichloropropane	17.158	75	212461	5.426	ppbV		100
68) isopropylbenzene	17.558	105	529378	5.735	ppbV		97
69) Bromobenzene	17.633	77	301583	5.656	ppbV		94

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442015_Ev2.D
Acq On : 21 Jan 2026 12:49 PM
Operator : AIRPIANO4:RAY
Sample : CTO15-SIMSTD5.0
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 23 08:33:37 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:57 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\R442003_Ev2.D
Sub List : Default - All compounds listed

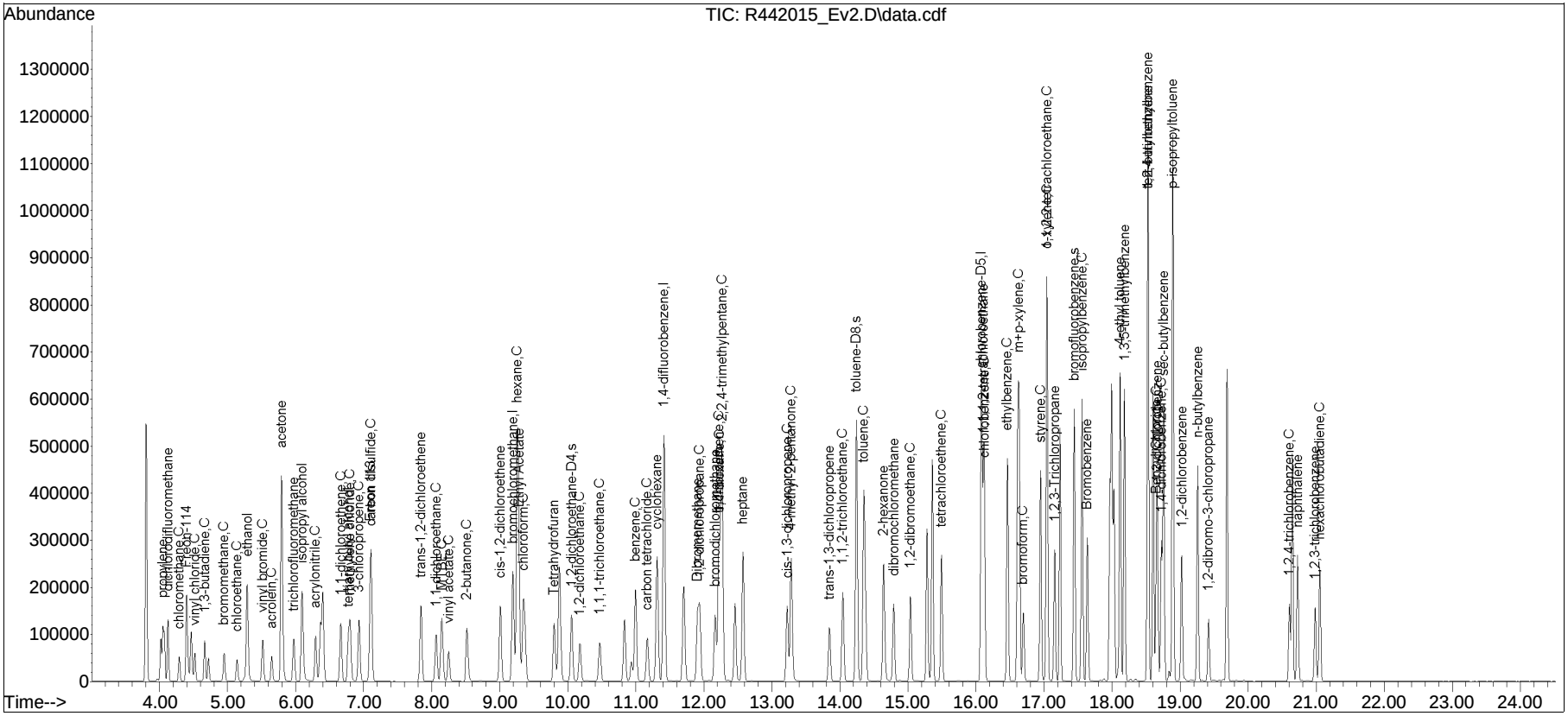
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	18.117	105	552451M6	6.686	ppbV	
71) 1,3,5-trimethylbenzene	18.183	105	474445	6.232	ppbV	96
72) tert-butylbenzene	18.525	119	503421	5.871	ppbV	99
73) 1,2,4-trimethylbenzene	18.525	105	464855	6.261	ppbV	99
74) Benzyl Chloride	18.650	91	242887	5.967	ppbV	96
75) 1,3-dichlorobenzene	18.667	146	283264	5.985	ppbV	94
76) 1,4-dichlorobenzene	18.725	146	278992	6.223	ppbV	94
77) sec-butylbenzene	18.758	105	657045	5.680	ppbV	96
78) p-isopropyltoluene	18.892	119	591346	5.852	ppbV	98
79) 1,2-dichlorobenzene	19.025	146	272663	5.952	ppbV	93
80) n-butylbenzene	19.258	91	488720	6.186	ppbV	95
81) 1,2-dibromo-3-chloropr...	19.417	75	72859	4.841	ppbV	90
82) 1,2,4-trichlorobenzene	20.608	180	207280M4	7.032	ppbV	
83) naphthalene	20.725	128	429174	6.127	ppbV	97
84) 1,2,3-trichlorobenzene	20.983	180	200083	6.159	ppbV	97
85) hexachlorobutadiene	21.050	225	245411	6.301	ppbV	99

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

Sub List : Default - All compounds listed01\0119SIM_I\R442003_Ev2.D

Data Path : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\
Data File : R442015_Ev2.D
Acq On : 21 Jan 2026 12:49 PM
Operator : AIRPIANO4:RAY
Sample : CTO15-SIMSTD5.0
Misc : WG2168338
ALS Vial : 0 Sample Multiplier: 1

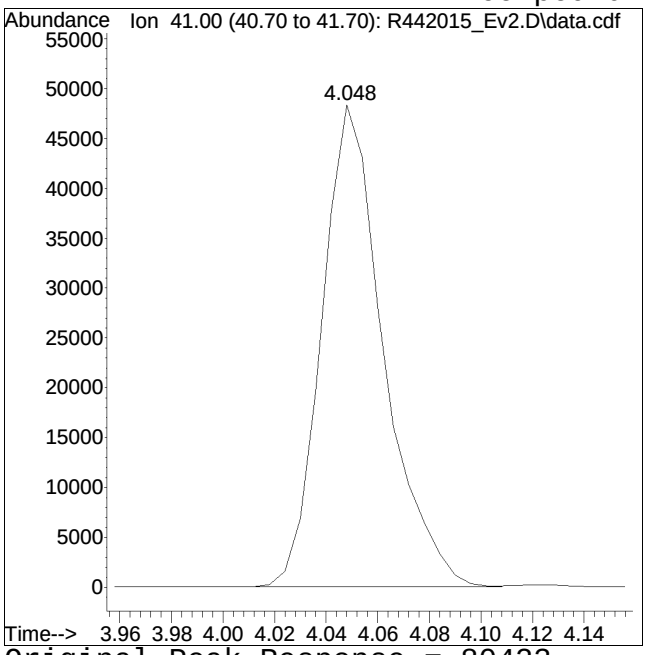
Quant Time: Jan 23 08:33:37 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\01\0119SIM_I\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:57 2026
Response via : Initial Calibration



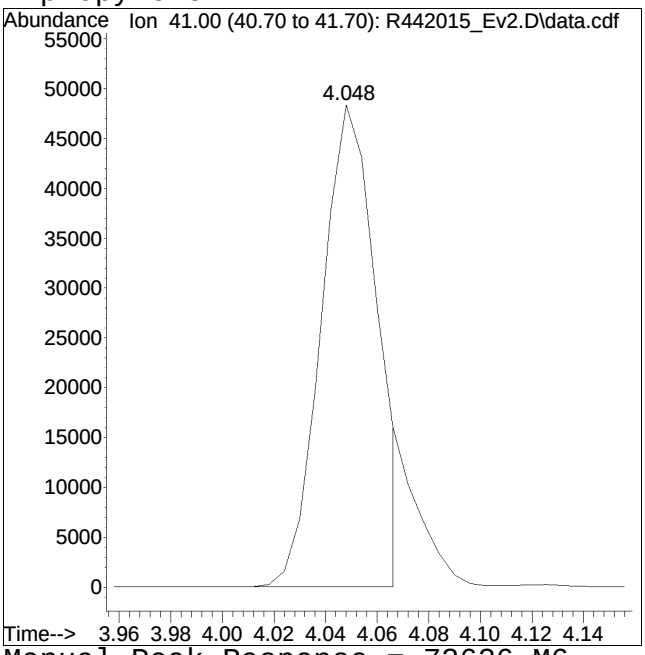
Manual Integration Report

Data Path : X:\Airlab\Data\Airpiano4\2QMethod : TSIM4_260119.M
Data File : R442015_Ev2.D Operator : AIRPIANO4:RAY
Date Inj'd : 1/21/2026 12:49 PM Instrument :
Sample : CTO15-SIMSTD5.0 Quant Date : 1/23/2026 8:33 am

Compound #2: propylene



Original Peak Response = 80423



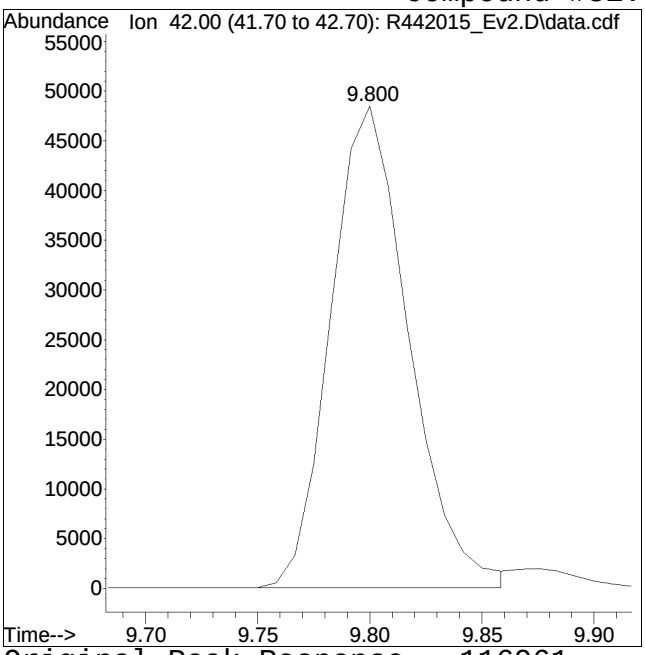
Manual Peak Response = 72626 M6

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

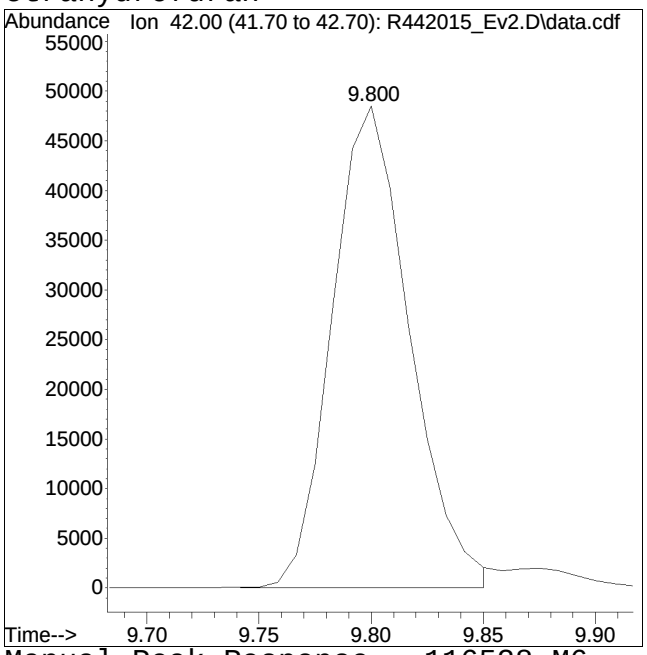
Manual Integration Report

Data Path : X:\Airlab\Data\Airpiano4\2QMethod : TSIM4_260119.M
Data File : R442015_Ev2.D Operator : AIRPIANO4:RAY
Date Inj'd : 1/21/2026 12:49 PM Instrument :
Sample : CTO15-SIMSTD5.0 Quant Date : 1/23/2026 8:33 am

Compound #31: Tetrahydrofuran



Original Peak Response = 116961



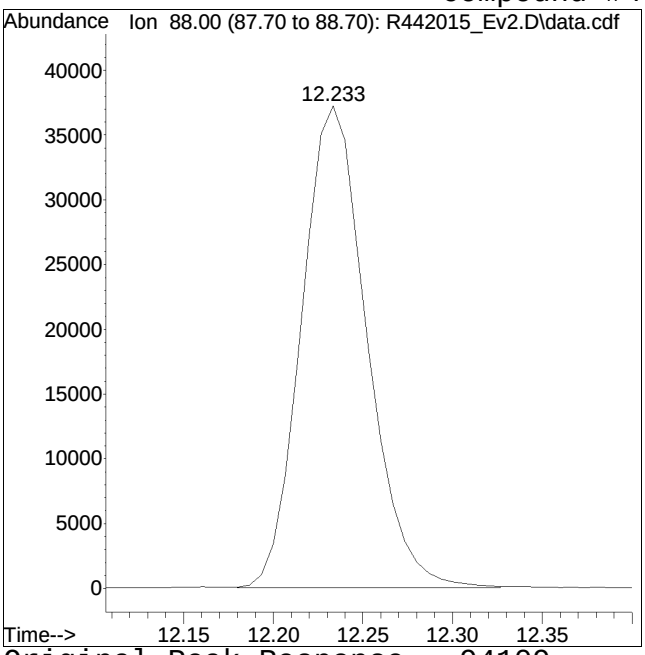
Manual Peak Response = 116528 M6

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

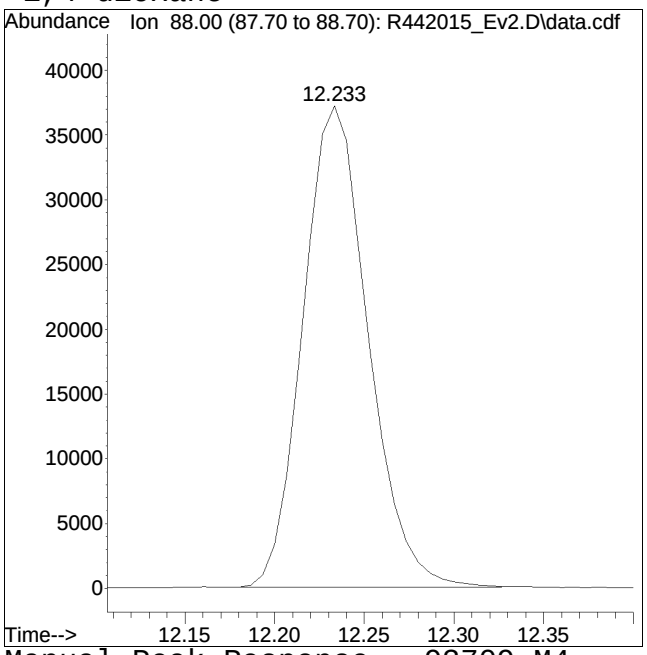
Manual Integration Report

Data Path : X:\Airlab\Data\Airpiano4\2QMethod : TSIM4_260119.M
Data File : R442015_Ev2.D Operator : AIRPIANO4:RAY
Date Inj'd : 1/21/2026 12:49 PM Instrument :
Sample : CTO15-SIMSTD5.0 Quant Date : 1/23/2026 8:33 am

Compound #43: 1,4-dioxane



Original Peak Response = 94109



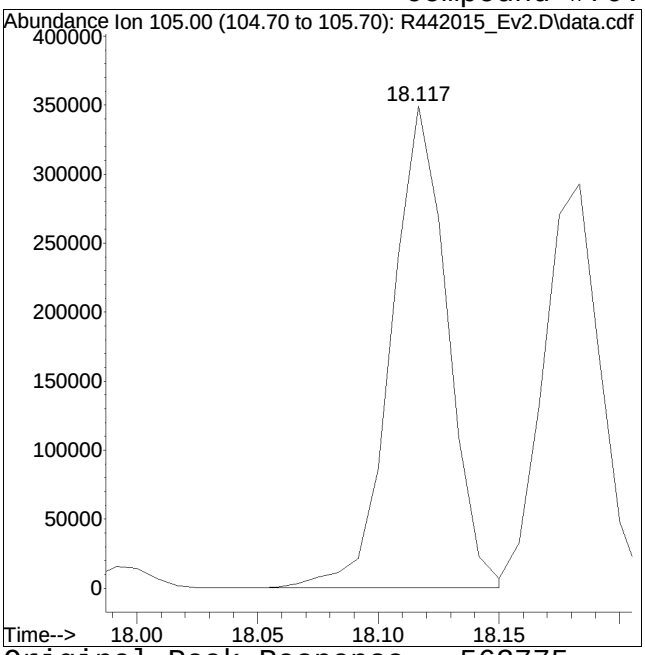
Manual Peak Response = 93709 M4

M4 = Poor automated baseline construction.

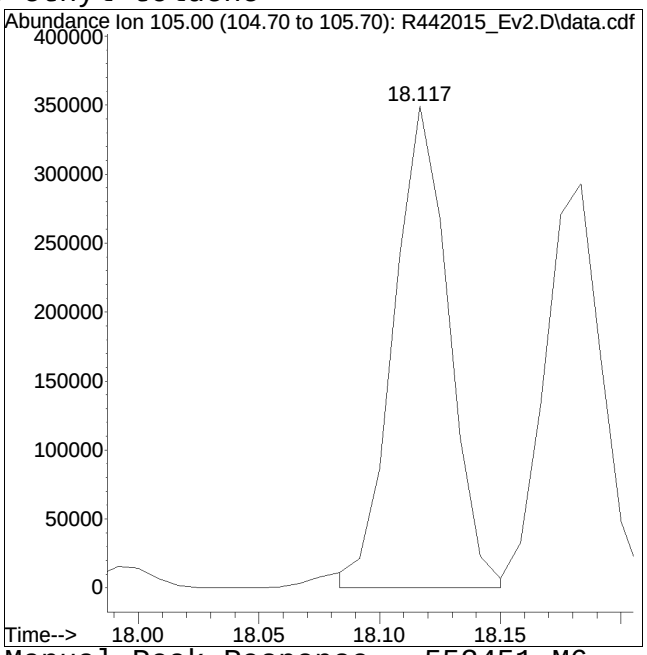
Manual Integration Report

Data Path : X:\Airlab\Data\Airpiano4\2QMethod : TSIM4_260119.M
Data File : R442015_Ev2.D Operator : AIRPIANO4:RAY
Date Inj'd : 1/21/2026 12:49 PM Instrument :
Sample : CTO15-SIMSTD5.0 Quant Date : 1/23/2026 8:33 am

Compound #70: 4-ethyl toluene



Original Peak Response = 563775



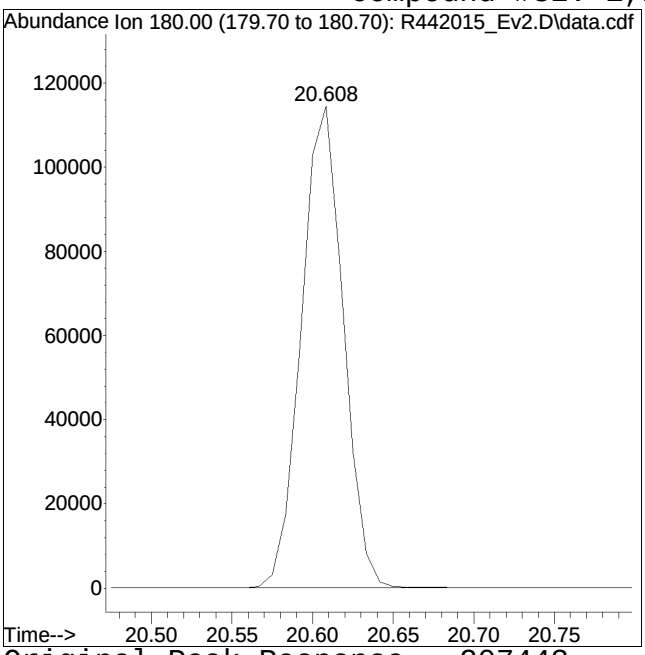
Manual Peak Response = 552451 M6

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

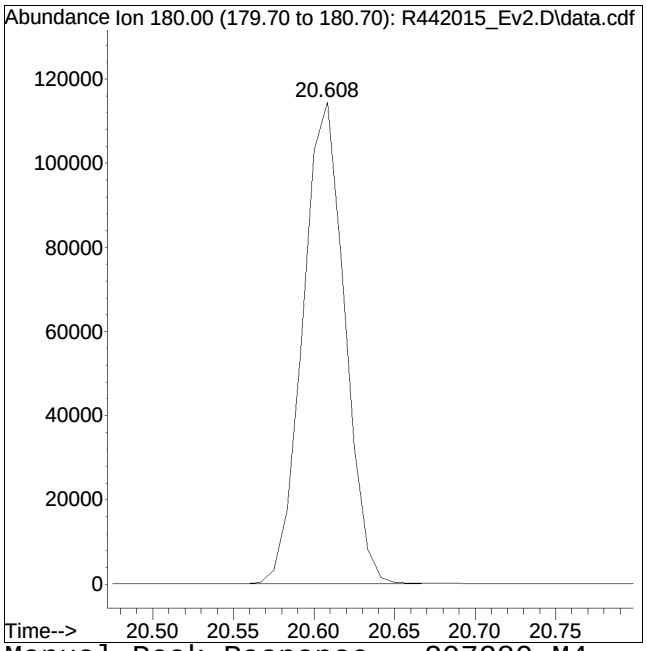
Manual Integration Report

Data Path : X:\Airlab\Data\Airpiano4\2QMethod : TSIM4_260119.M
Data File : R442015_Ev2.D Operator : AIRPIANO4:RAY
Date Inj'd : 1/21/2026 12:49 PM Instrument :
Sample : CTO15-SIMSTD5.0 Quant Date : 1/23/2026 8:33 am

Compound #82: 1,2,4-trichlorobenzene



Original Peak Response = 207443



Manual Peak Response = 207280 M4

M4 = Poor automated baseline construction.

Response Factor Report

Method Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Method File : TSIM16_260120.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Jan 22 08:56:04 2026
Response Via : Initial Calibration

Calibration Files
0.02=r1653734_Ev2.D 0.05=r1653735_Ev2.D 0.1 =r1653736_Ev2.D 0.2 =r1653737_Ev2.D 0.5 =r1653738_Ev2.D
1.0 =r1653739_Ev2.D 5.0 =r1653740_Ev2.D 10.0=r1653741_Ev2.D 20.0=r1653742_Ev2.D 50.0=r1653743_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				0.616	0.578	0.566	0.498	0.476	0.453	0.466	0.522	12.23
3)		dichlorodifluo...				1.373	1.329	1.342	1.166	1.180	1.051	1.088	1.219	10.63
4)	C	chloromethane				0.776	0.756	0.797	0.697	0.720	0.612	0.619	0.711	10.28
5)		Freon-114		1.622	1.646	1.655	1.600	1.659	1.463	1.488	1.292	1.288	1.524	9.85
6)	C	vinyl chloride	0.722	0.669	0.649	0.669	0.653	0.664	0.587	0.600	0.534	0.558	0.631	9.26
7)	C	1,3-butadiene	0.498	0.467	0.495	0.546	0.550	0.553	0.478	0.487	0.448	0.466	0.499	7.60
8)	C	bromomethane	0.637	0.527	0.546	0.541	0.516	0.521	0.453	0.467	0.421	0.442	0.507	12.54
9)	C	chloroethane			0.321	0.309	0.315	0.293	0.258	0.269	0.238	0.251	0.282	11.27
10)		ethanol					0.443	0.568	0.544	0.502	0.446	0.376	0.480	14.87
11)	C	vinyl bromide				0.602	0.605	0.565	0.454	0.477	0.493	0.473	0.524	12.29
12)	C	acrolein		0.389	0.394	0.310	0.308	0.308	0.285	0.316	0.283	0.308	0.322	12.63
13)		acetone				0.898	0.866	0.882	0.722	0.736	0.667	0.666	0.777	13.19
14)		trichlorofluor...		1.149	1.134	1.179	1.133	1.160	1.012	1.027	0.901	0.921	1.068	9.94
15)		isopropyl alcohol				1.036	0.950	1.044	0.840	0.934	0.907	0.951	0.952	7.48
16)	C	acrylonitrile				0.574	0.558	0.580	0.596	0.602	0.550	0.605	0.581	3.73

Response Factor Report

Method Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Method File : TSIM16_260120.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Jan 22 08:56:04 2026
Response Via : Initial Calibration

Calibration Files
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1.0 =r1653739_Ev2.D 5.0 =r1653740_Ev2.D 10.0=r1653741_Ev2.D 20.0=r1653742_Ev2.D 50.0=r1653743_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
17)	C	1,1-dichloroet...	0.813	0.842	0.886	0.899	0.855	0.883	0.772	0.818	0.702	0.754	0.822	7.77
18)		tertiary butyl...					0.725	0.811	0.840	0.949	0.930	1.014	0.878	12.01
19)	C	methylene chlo...					0.935	0.937	0.810	0.828	0.735	0.756	0.833	10.35
20)	C	3-chloropropene				0.844	0.805	0.859	0.734	0.761	0.703	0.726	0.776	7.82
21)	C	carbon disulfide				2.280	2.042	2.077	1.725	1.772	1.641	1.659	1.885	13.11
22)		Freon 113		1.346	1.314	1.365	1.311	1.333	1.157	1.175	1.033	1.049	1.232	10.58
23)		trans-1,2-dich...	0.750	0.761	0.805	0.837	0.800	0.821	0.703	0.727	0.680	0.711	0.760	7.13
24)	C	1,1-dichloroet...	1.096	1.064	1.091	1.108	1.059	1.086	0.958	0.980	0.870	0.904	1.021	8.50
25)	C	MTBE	1.578	1.596	1.579	1.684	1.619	1.660	1.412	1.442	1.332	1.383	1.528	8.16
26)	C	vinyl acetate					0.938	1.020	1.050	1.237	1.248	1.423	1.153	15.69
27)	C	2-butanone				1.328	1.296	1.364	1.205	1.243	1.140	1.202	1.254	6.32
28)		cis-1,2-dichlo...	0.835	0.770	0.837	0.838	0.812	0.836	0.738	0.761	0.679	0.715	0.782	7.44
29)		Ethyl Acetate					0.150	0.167	0.165	0.179	0.173	0.192	0.171	8.27
30)	C	chloroform	1.406	1.302	1.306	1.236	1.209	1.234	1.082	1.109	0.989	1.038	1.191	11.15
31)		Tetrahydrofuran					0.768	0.736	0.637	0.653	0.602	0.638	0.672	9.60
32)	C	1,2-dichloroet...	0.567	0.677	0.618	0.635	0.624	0.634	0.568	0.581	0.515	0.538	0.596	8.40

Response Factor Report

Method Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Method File : TSIM16_260120.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Jan 22 08:56:04 2026
Response Via : Initial Calibration

Calibration Files
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1.0 =r1653739_Ev2.D 5.0 =r1653740_Ev2.D 10.0=r1653741_Ev2.D 20.0=r1653742_Ev2.D 50.0=r1653743_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
33)	I	1,4-difluorobenzene	ISTD											
34)	C	hexane				0.513	0.504	0.513	0.352	0.364	0.337	0.360	0.420	20.04
35)	s	1,2-dichloroet...				0.181	0.184	0.187	0.186	0.187	0.179	0.180	0.183	1.74
36)	C	1,1,1-trichlor...	0.297	0.314	0.327	0.324	0.319	0.329	0.294	0.309	0.277	0.295	0.309	5.61
37)	C	benzene			0.999	0.981	0.937	0.965	0.853	0.876	0.783	0.817	0.901	8.93
38)	C	carbon tetrach...	0.291	0.265	0.266	0.280	0.286	0.292	0.274	0.306	0.290	0.321	0.287	6.07
39)		cyclohexane				0.458	0.439	0.453	0.381	0.393	0.367	0.392	0.412	9.06
40)		Dibromomethane		0.244	0.266	0.250	0.247	0.257	0.237	0.243	0.213	0.227	0.243	6.47
41)	C	1,2-dichloropr...	0.222	0.286	0.281	0.284	0.281	0.287	0.258	0.264	0.236	0.252	0.265	8.58
42)		bromodichlorom...	0.402	0.380	0.393	0.391	0.392	0.400	0.359	0.382	0.364	0.400	0.386	3.86
43)	C	1,4-dioxane			0.151	0.172	0.171	0.176	0.153	0.160	0.151	0.163	0.162	6.20
44)	C	trichloroethene	0.378	0.411	0.374	0.395	0.391	0.404	0.343	0.351	0.310	0.328	0.368	9.16
45)	C	2,2,4-trimethy...				1.354	1.337	1.361	1.163	1.169	1.082	1.144	1.230	9.48
46)		heptane				0.553	0.536	0.557	0.476	0.490	0.446	0.456	0.502	9.21
47)	C	cis-1,3-dichlo...	0.351	0.318	0.355	0.361	0.379	0.392	0.371	0.390	0.363	0.387	0.367	6.14
48)	C	4-methyl-2-pen...					0.567	0.621	0.570	0.591	0.540	0.562	0.575	4.84

Response Factor Report

Method Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Method File : TSIM16_260120.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Jan 22 08:56:04 2026
Response Via : Initial Calibration

Calibration Files
0.02=r1653734_Ev2.D 0.05=r1653735_Ev2.D 0.1 =r1653736_Ev2.D 0.2 =r1653737_Ev2.D 0.5 =r1653738_Ev2.D
1.0 =r1653739_Ev2.D 5.0 =r1653740_Ev2.D 10.0=r1653741_Ev2.D 20.0=r1653742_Ev2.D 50.0=r1653743_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
49)		trans-1,3-dich...	0.046	0.138	0.201	0.248	0.250	0.267	0.254	0.272	0.262	0.283	0.222	33.87
#														
50)	C	1,1,2-trichlor...	0.310	0.267	0.308	0.300	0.304	0.314	0.284	0.291	0.260	0.273	0.291	6.62
51)	I	chlorobenzene-D5	----------ISTD----------											
52)	C	toluene			7.400	7.499	7.122	7.343	6.433	6.538	5.755	5.861	6.744	10.33
53)	s	toluene-D8				5.756	5.798	5.952	5.906	5.893	5.607	5.487	5.771	2.95
54)		2-hexanone				2.863	3.692	4.131	4.032	4.095	3.759	3.769	3.763	11.55
55)		dibromochlorom...	2.205	2.239	2.234	2.415	2.454	2.585	2.486	2.772	2.675	2.883	2.495	9.39
56)	C	1,2-dibromoethane	3.066	3.323	3.661	3.677	3.685	3.807	3.454	3.524	3.156	3.222	3.458	7.38
57)	C	tetrachloroethene	2.864	3.008	3.001	2.934	2.849	2.957	2.597	2.661	2.335	2.410	2.762	8.92
58)		1,1,1,2-tetrac...	1.960	2.064	1.976	1.993	2.086	2.169	2.229	2.441	2.142	2.249	2.131	6.99
59)	C	chlorobenzene		7.038	6.840	6.707	6.454	6.697	5.975	6.132	5.396	5.412	6.295	9.60
60)	C	ethylbenzene	8.141	9.090	8.984	8.807	8.679	8.898	8.144	8.359	7.263	7.334	8.370	7.83
61)	C	m+p-xylene	6.404	7.236	6.955	6.857	6.843	7.051	6.454	6.599	5.735	5.828	6.596	7.60
62)	C	bromoform	1.301	1.254	1.357	1.295	1.415	1.573	1.694	2.003	1.999	2.239	1.613	22.01
63)	C	styrene	4.257	5.888	5.506	5.969	6.087	6.391	5.958	6.145	5.442	5.531	5.717	10.45
64)	C	1,1,2,2-tetrac...	4.599	5.385	5.299	4.691	4.743	4.929	4.704	4.881	4.483	4.776	4.849	5.98

Response Factor Report

Method Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Method File : TSIM16_260120.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Jan 22 08:56:04 2026
Response Via : Initial Calibration

Calibration Files
0.02=r1653734_Ev2.D 0.05=r1653735_Ev2.D 0.1 =r1653736_Ev2.D 0.2 =r1653737_Ev2.D 0.5 =r1653738_Ev2.D
1.0 =r1653739_Ev2.D 5.0 =r1653740_Ev2.D 10.0=r1653741_Ev2.D 20.0=r1653742_Ev2.D 50.0=r1653743_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
65)	C	o-xylene	7.146	6.912	7.420	6.974	6.929	7.169	6.562	6.666	5.746	5.850	6.737	8.20
66)		1,2,3-Trichlor...	3.542	4.286	4.194	4.029	4.033	4.161	4.068	4.179	3.597	3.787	3.988	6.47
67)	s	bromofluoroben...				3.687	3.779	3.821	3.942	3.907	3.732	3.655	3.789	2.85
68)	C	isopropylbenzene				1.051	1.046	1.086	1.041	1.058	0.891	0.892	1.009	8.11
69)		Bromobenzene	4.507	5.338	5.305	5.303	5.350	5.448	5.281	5.458	4.692	4.950	5.163	6.41
70)		4-ethyl toluene	0.988	1.045	1.043	0.926	0.966	1.011	0.949	0.965	0.861	0.877	0.963	6.52
71)		1,3,5-trimethy...	8.447	8.583	8.375	8.163	8.326	8.722	8.309	8.407	7.329	7.427	8.209	5.65
72)		tert-butylbenzene				7.643	8.191	8.542	8.533	8.713	7.425	7.658	8.101	6.43
73)		1,2,4-trimethy...	9.277	9.016	8.945	7.723	8.260	8.654	8.481	8.696	7.527	7.371	8.395	7.84
74)	C	Benzyl Chloride			2.784	2.267	2.964	3.246	4.159	4.918	4.951	5.492	3.848	30.96
#														
75)		1,3-dichlorobe...	5.234	5.764	6.241	4.971	5.473	5.801	5.767	6.062	5.316	5.649	5.628	6.86
76)	C	1,4-dichlorobe...	5.350	6.161	6.384	5.155	5.599	5.740	5.824	5.904	5.246	5.498	5.686	6.97
77)		sec-butylbenzene				1.107	1.222	1.290	1.310	1.336	1.121	1.128	1.216	8.06
78)		p-isopropyltol...				0.857	0.962	1.025	1.075	1.097	0.921	0.948	0.984	8.77
79)		1,2-dichlorobe...	5.338	5.791	6.383	4.545	5.036	5.302	5.410	5.555	4.905	5.265	5.353	9.37
80)		n-butylbenzene				6.478	7.706	8.467	9.142	9.233	7.521	7.853	8.057	12.07

Method Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Method File : TSIM16_260120.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Jan 22 08:56:04 2026
Response Via : Initial Calibration

Calibration Files
0.02=r1653734_Ev2.D 0.05=r1653735_Ev2.D 0.1 =r1653736_Ev2.D 0.2 =r1653737_Ev2.D 0.5 =r1653738_Ev2.D
1.0 =r1653739_Ev2.D 5.0 =r1653740_Ev2.D 10.0=r1653741_Ev2.D 20.0=r1653742_Ev2.D 50.0=r1653743_Ev2.D

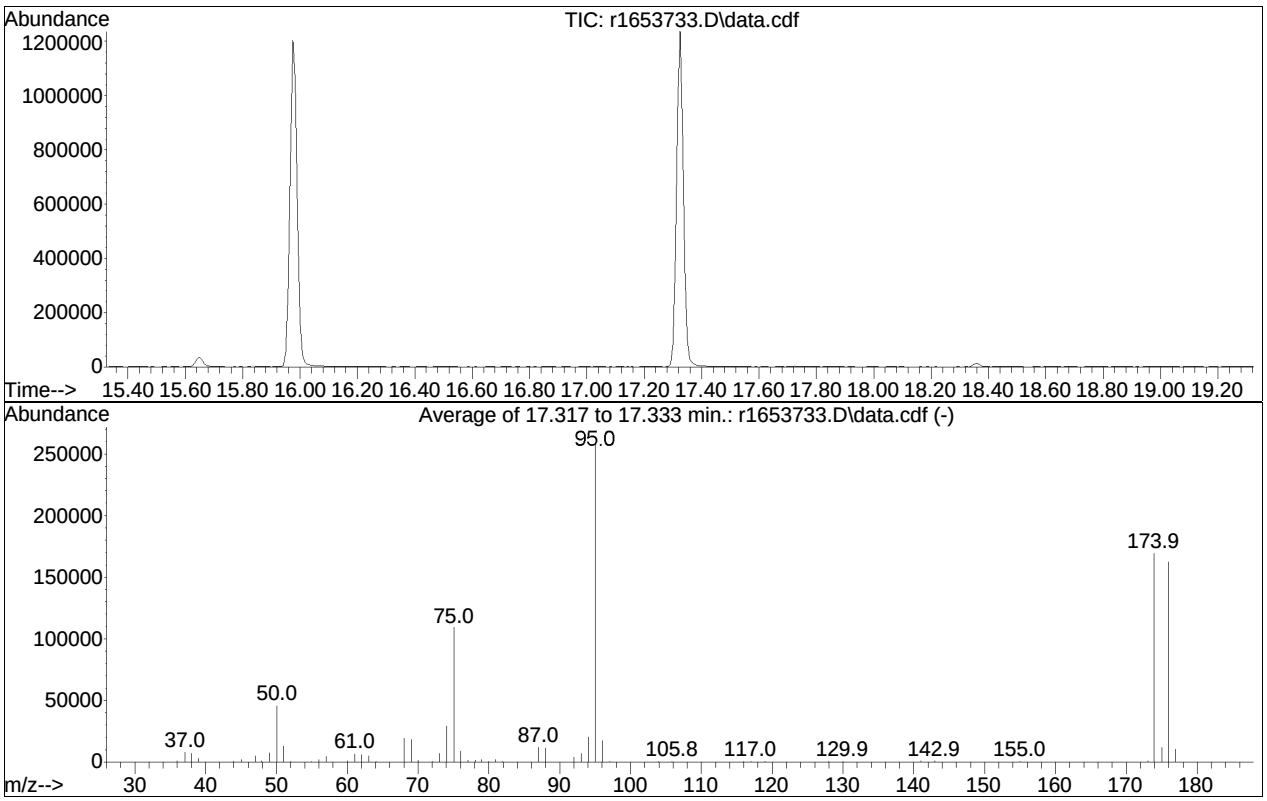
		Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
81)		1,2-dibromo-3-...	1.338	1.532	1.717	0.982	1.332	1.451	2.078	2.288	2.023	2.277	1.702	26.27
82)	C	1,2,4-trichlor...		3.449	3.859	1.659	2.177	2.593	3.618	3.782	3.103	3.636	3.097	25.28
83)		naphthalene		1.163	1.321	0.625	0.790	0.954	1.341	1.377	1.029	1.169	1.085	23.92
84)		1,2,3-trichlor...		3.619	3.900	1.491	1.873	2.268	3.821	3.983	2.927	3.580	3.051	31.17
#														
85)	C	hexachlorobuta...		2.927	3.054	1.227	1.448	1.756	2.727	2.827	2.179	2.587	2.304	29.49

(#) = Out of Range

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653733.D
Acq On : 20 Jan 2026 3:57 PM
Operator : AIRLAB16:RAY
Sample : WG2167876-1,3,250,250
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Jan 22 08:56:04 2026



Spectrum Information: Average of 17.317 to 17.333 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.6	45661	PASS
75	95	30	66	42.2	109316	PASS
95	95	100	100	100.0	259132	PASS
96	95	5	9	6.8	17576	PASS
173	174	0.00	2	0.6	995	PASS
174	95	50	120	65.3	169315	PASS
175	174	4	9	7.0	11858	PASS
176	174	93	101	96.0	162596	PASS
177	176	5	9	6.5	10590	PASS

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653734_Ev2.D
Acq On : 20 Jan 2026 4:33 PM
Operator : AIRLAB16:RAY
Sample : ITO15-SIMTD0.02
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:44:34 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:59 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.075	49	230013	10.000	ppbV	0.00
Standard Area = 245998			Recovery = 93.50%			
33) 1,4-difluorobenzene	11.293	114	611272	10.000	ppbV	0.01
Standard Area = 657294			Recovery = 93.00%			
51) chlorobenzene-D5	15.967	54	81867	10.000	ppbV	0.00
Standard Area = 86828			Recovery = 94.29%			
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	0.000	98	0	0.000	ppbV	
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.00%#			
67) bromofluorobenzene	17.350	95	207	0.006	ppbV	0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.06%#			
Target Compounds						Qvalue
2) propylene	3.940	41	315M6	0.028	ppbV	
3) dichlorodifluoromethane	4.018	85	597	0.022	ppbV	95
4) chloromethane	4.186	50	437	0.027	ppbV #	75
5) Freon-114	4.294	85	753	0.022	ppbV	96
6) vinyl chloride	4.414	62	332	0.025	ppbV #	22
7) 1,3-butadiene	4.552	54	229	0.021	ppbV #	1
8) bromomethane	4.840	94	293	0.028	ppbV	90
9) chloroethane	5.032	64	163	0.027	ppbV	90
10) ethanol	5.200	31	3065	0.245	ppbV	88
11) vinyl bromide	5.403	106	272M4	0.026	ppbV	
12) acrolein	5.563	56	173M4	0.026	ppbV	
13) acetone	5.710	43	3128	0.188	ppbV #	97
14) trichlorofluoromethane	5.860	101	524M4	0.023	ppbV	
15) isopropyl alcohol	6.003	45	1436	0.074	ppbV #	93
16) acrylonitrile	6.210	53	294M4	0.021	ppbV	
17) 1,1-dichloroethene	6.552	61	374	0.021	ppbV #	89
18) tertiary butyl alcohol	6.666	59	461M3	0.024	ppbV	
19) methylene chloride	6.690	49	951	0.051	ppbV	93
20) 3-chloropropene	6.822	41	339	0.020	ppbV #	67
21) carbon disulfide	6.996	76	2451	0.062	ppbV #	1
22) Freon 113	6.990	101	626	0.024	ppbV #	94
23) trans-1,2-dichloroethene	7.733	61	345	0.021	ppbV	94
24) 1,1-dichloroethane	7.950	63	504	0.023	ppbV #	88

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653734_Ev2.D
Acq On : 20 Jan 2026 4:33 PM
Operator : AIRLAB16:RAY
Sample : ITO15-SIMTD0.02
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:44:34 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:59 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	8.067	73	726	0.022	ppbV	#	73
26) vinyl acetate	8.158	43	304	0.013	ppbV	#	77
27) 2-butanone	8.450	43	594	0.021	ppbV	#	83
28) cis-1,2-dichloroethene	8.900	61	384	0.023	ppbV	#	80
29) Ethyl Acetate	0.000		0	N.D.	d		
30) chloroform	9.233	83	647	0.026	ppbV	#	79
31) Tetrahydrofuran	9.733	42	379	0.026	ppbV		95
32) 1,2-dichloroethane	10.067	62	261	0.020	ppbV	#	71
34) hexane	9.142	57	590	0.027	ppbV	#	24
36) 1,1,1-trichloroethane	10.350	97	363	0.020	ppbV	#	86
37) benzene	10.873	78	1366	0.026	ppbV	#	90
38) carbon tetrachloride	11.040	117	356	0.021	ppbV		98
39) cyclohexane	11.187	56	615	0.026	ppbV		90
40) Dibromomethane	11.793	93	369	0.025	ppbV	#	81
41) 1,2-dichloropropane	11.820	63	272	0.017	ppbV	#	67
42) bromodichloromethane	12.047	83	491	0.022	ppbV	#	78
43) 1,4-dioxane	12.127	88	274M4	0.029	ppbV		
44) trichloroethene	12.100	130	462	0.022	ppbV		90
45) 2,2,4-trimethylpentane	12.133	57	1589	0.022	ppbV	#	93
46) heptane	12.447	43	699	0.024	ppbV	#	88
47) cis-1,3-dichloropropene	13.125	75	429	0.019	ppbV	#	11
48) 4-methyl-2-pentanone	13.208	43	387	0.011	ppbV	#	76
49) trans-1,3-dichloropropene	13.800		0	N.D.			
50) 1,1,2-trichloroethane	13.933	97	379	0.022	ppbV		96
52) toluene	14.242	91	1525	0.029	ppbV		93
54) 2-hexanone	0.000		0	N.D.			
55) dibromochloromethane	14.683	129	361	0.018	ppbV	#	85
56) 1,2-dibromoethane	14.950	107	502	0.018	ppbV		91
57) tetrachloroethene	15.392	166	469	0.022	ppbV		89
58) 1,1,1,2-tetrachloroethane	16.000	131	321	0.018	ppbV	#	91
59) chlorobenzene	16.008	112	1126	0.023	ppbV		89
60) ethylbenzene	16.350	91	1333	0.020	ppbV		99
61) m+p-xylene	16.517	91	2097	0.040	ppbV		94
62) bromoform	16.583	173	213	0.015	ppbV	#	76
63) styrene	16.850	104	697	0.014	ppbV		97
64) 1,1,2,2-tetrachloroethane	16.933	83	753	0.020	ppbV		89
65) o-xylene	16.925	91	1170	0.022	ppbV		96
66) 1,2,3-Trichloropropane	17.050	75	580	0.017	ppbV	#	93
68) isopropylbenzene	17.442	105	1599	0.019	ppbV		95
69) Bromobenzene	17.525	77	738	0.017	ppbV		97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653734_Ev2.D
Acq On : 20 Jan 2026 4:33 PM
Operator : AIRLAB16:RAY
Sample : ITO15-SIMTD0.02
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:44:34 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:59 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

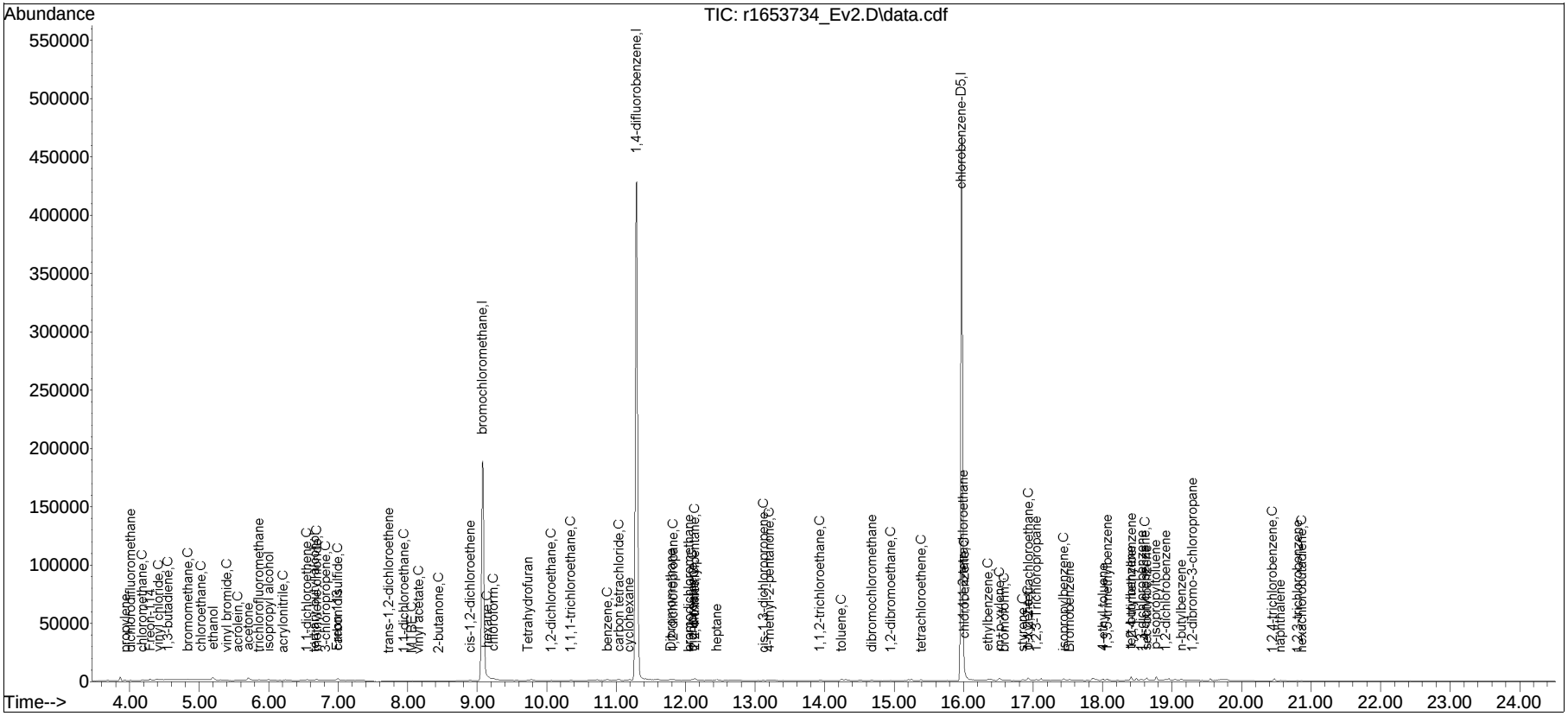
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	18.008	105	1617	0.021	ppbV #	92
71) 1,3,5-trimethylbenzene	18.067	105	1383	0.020	ppbV #	94
72) tert-butylbenzene	18.408	119	1338	0.019	ppbV #	85
73) 1,2,4-trimethylbenzene	18.417	105	1519	0.022	ppbV #	83
74) Benzyl Chloride	18.550		0	N.D.		
75) 1,3-dichlorobenzene	18.558	146	857	0.018	ppbV #	86
76) 1,4-dichlorobenzene	18.617	146	876	0.018	ppbV #	84
77) sec-butylbenzene	18.633	105	2054	0.019	ppbV	95
78) p-isopropyltoluene	18.767	119	1613	0.018	ppbV	91
79) 1,2-dichlorobenzene	18.908	146	874	0.020	ppbV #	86
80) n-butylbenzene	19.133	91	1254	0.017	ppbV	94
81) 1,2-dibromo-3-chloropr...	19.292	75	219	0.013	ppbV #	74
82) 1,2,4-trichlorobenzene	20.442	180	502	0.017	ppbV #	88
83) naphthalene	20.558	128	1594	0.015	ppbV #	88
84) 1,2,3-trichlorobenzene	20.808	180	498	0.016	ppbV	93
85) hexachlorobutadiene	20.867	225	407	0.018	ppbV	95

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

Sub List : Default - All compounds listed1\0120SIM_I\r1653740_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653734_Ev2.D
Acq On : 20 Jan 2026 4:33 PM
Operator : AIRLAB16:RAY
Sample : ITO15-SIMTD0.02
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

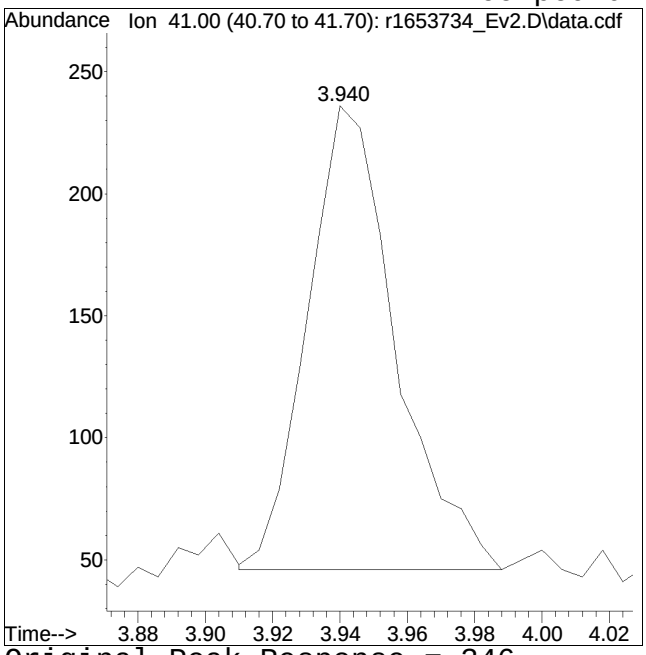
Quant Time: Jan 21 06:44:34 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:59 2026
Response via : Initial Calibration



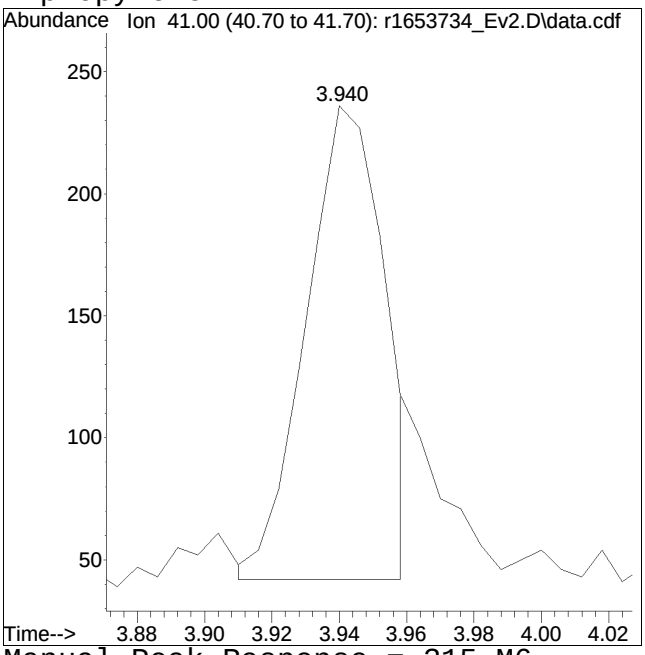
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653734_Ev2.D Operator : AIRLAB16:RAY
Date Inj'd : 1/20/2026 4:33 PM Instrument :
Sample : ITO15-SIMTD0.02 Quant Date : 1/21/2026 6:44 am

Compound #2: propylene



Original Peak Response = 346



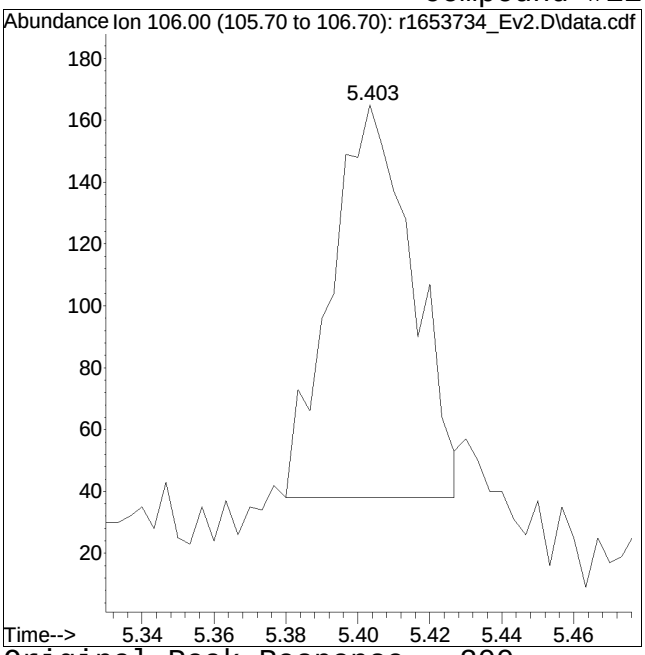
Manual Peak Response = 315 M6

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

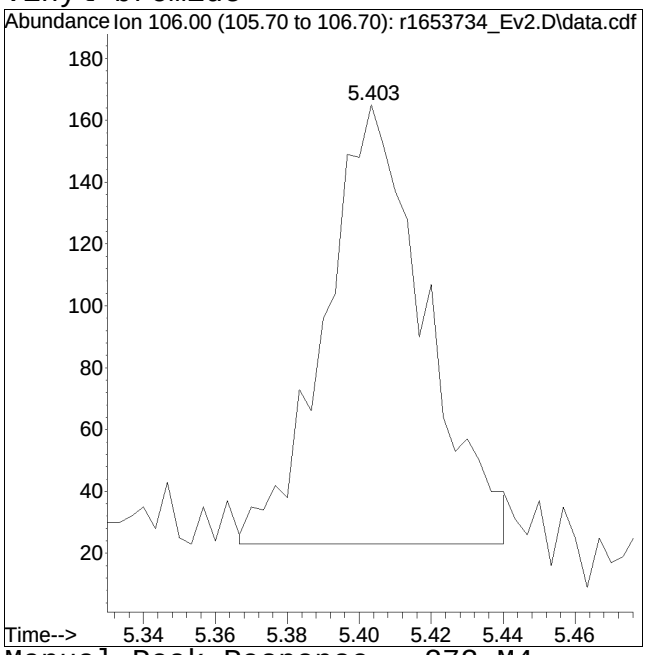
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653734_Ev2.D Operator : AIRLAB16:RAY
Date Inj'd : 1/20/2026 4:33 PM Instrument :
Sample : ITO15-SIMTD0.02 Quant Date : 1/21/2026 6:44 am

Compound #11: vinyl bromide



Original Peak Response = 200



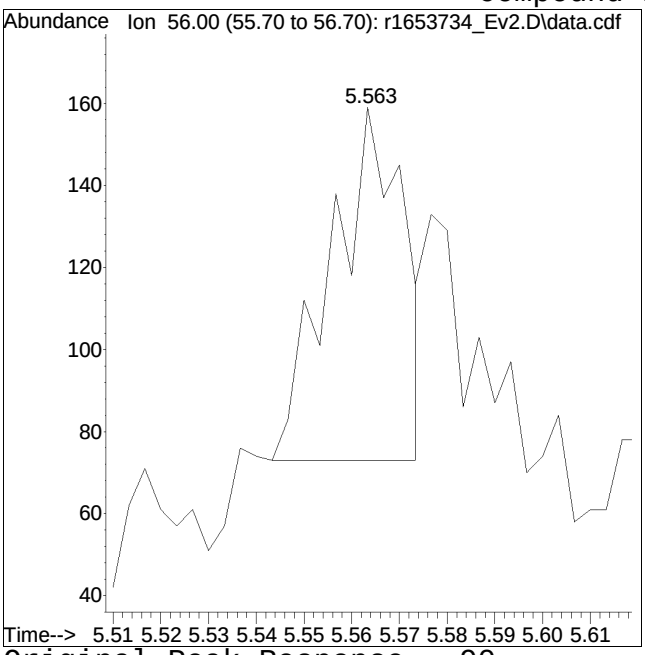
Manual Peak Response = 272 M4

M4 = Poor automated baseline construction.

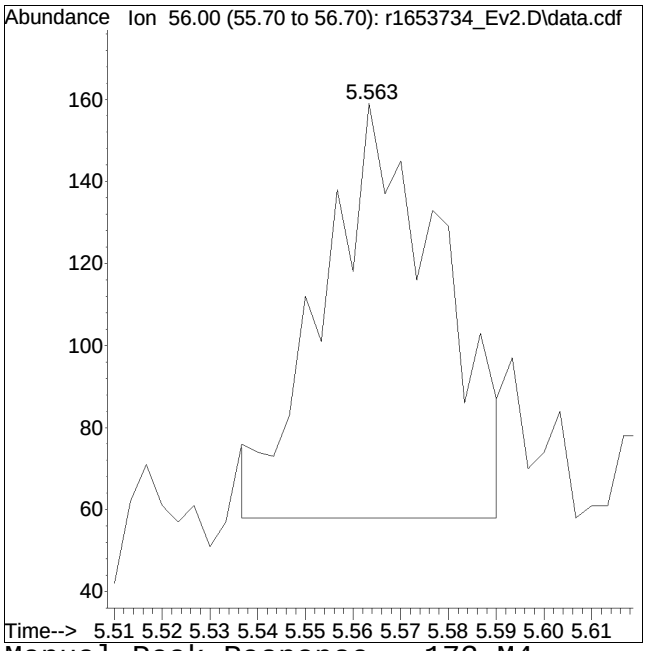
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653734_Ev2.D Operator : AIRLAB16:RAY
Date Inj'd : 1/20/2026 4:33 PM Instrument :
Sample : ITO15-SIMTD0.02 Quant Date : 1/21/2026 6:44 am

Compound #12: acrolein



Original Peak Response = 90



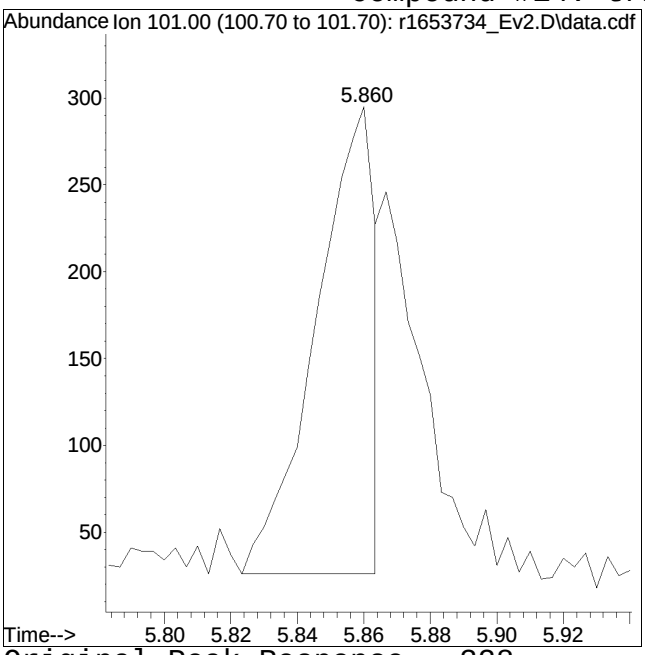
Manual Peak Response = 173 M4

M4 = Poor automated baseline construction.

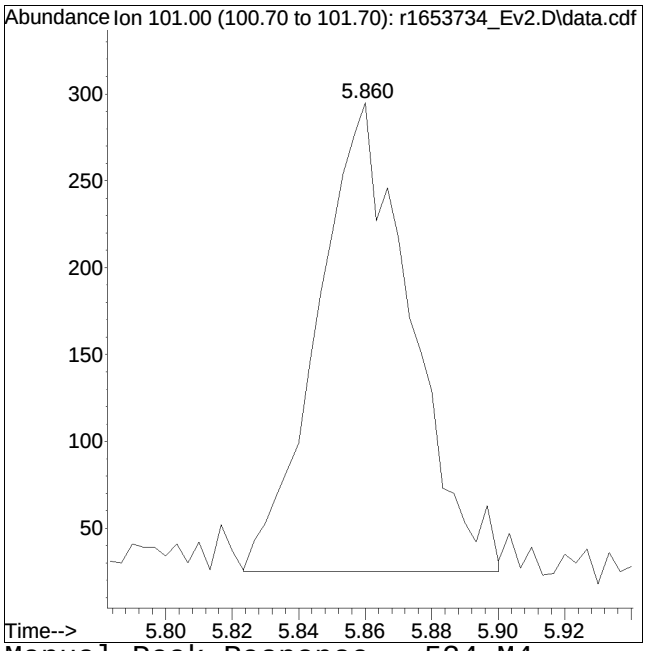
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653734_Ev2.D Operator : AIRLAB16:RAY
Date Inj'd : 1/20/2026 4:33 PM Instrument :
Sample : ITO15-SIMTD0.02 Quant Date : 1/21/2026 6:44 am

Compound #14: trichlorofluoromethane



Original Peak Response = 328



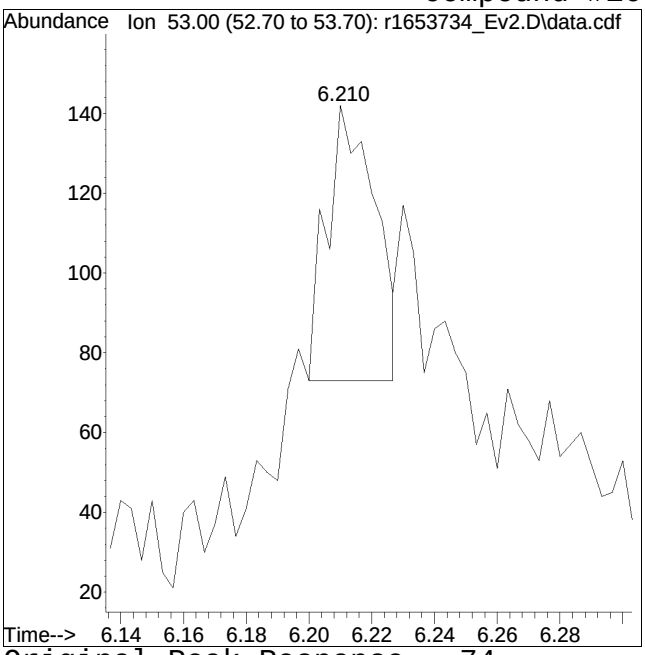
Manual Peak Response = 524 M4

M4 = Poor automated baseline construction.

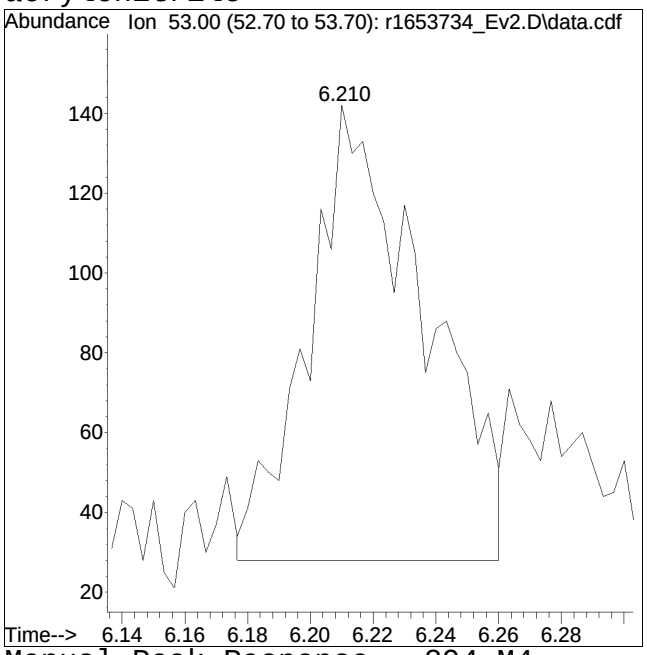
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653734_Ev2.D Operator : AIRLAB16:RAY
Date Inj'd : 1/20/2026 4:33 PM Instrument :
Sample : ITO15-SIMTD0.02 Quant Date : 1/21/2026 6:44 am

Compound #16: acrylonitrile



Original Peak Response = 74



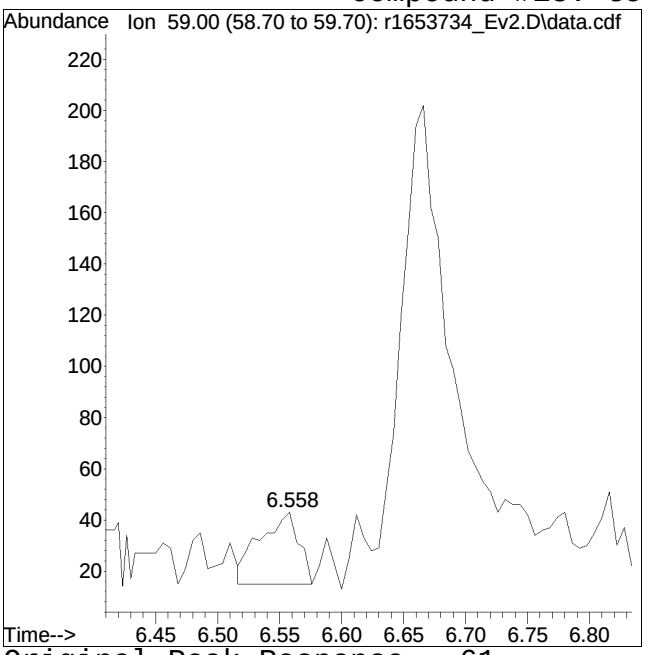
Manual Peak Response = 294 M4

M4 = Poor automated baseline construction.

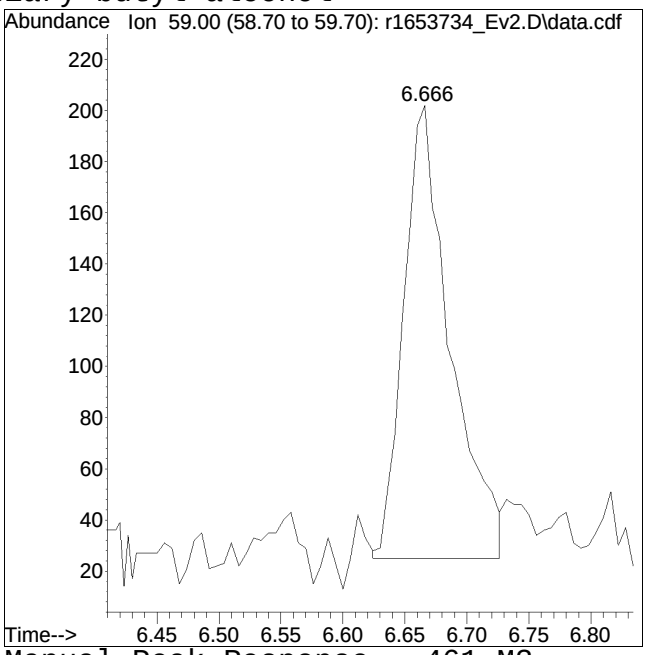
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653734_Ev2.D Operator : AIRLAB16:RAY
Date Inj'd : 1/20/2026 4:33 PM Instrument :
Sample : ITO15-SIMTD0.02 Quant Date : 1/21/2026 6:44 am

Compound #18: tertiary butyl alcohol



Original Peak Response = 61



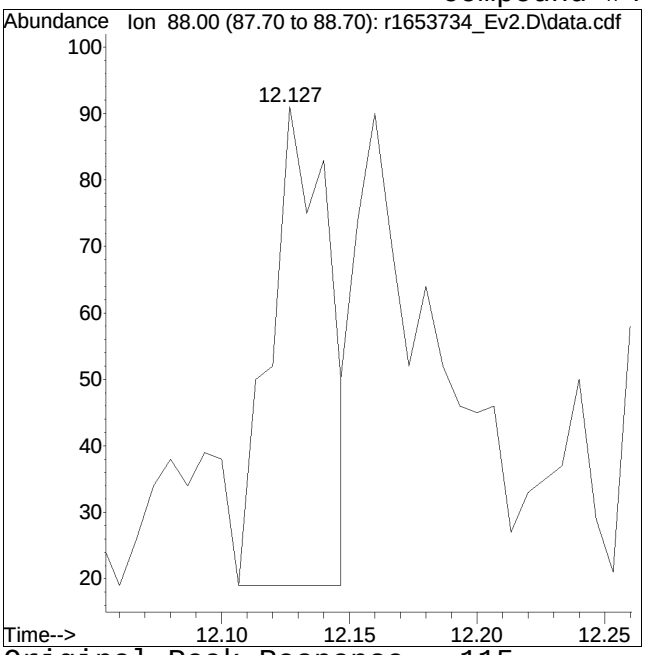
Manual Peak Response = 461 M3

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.

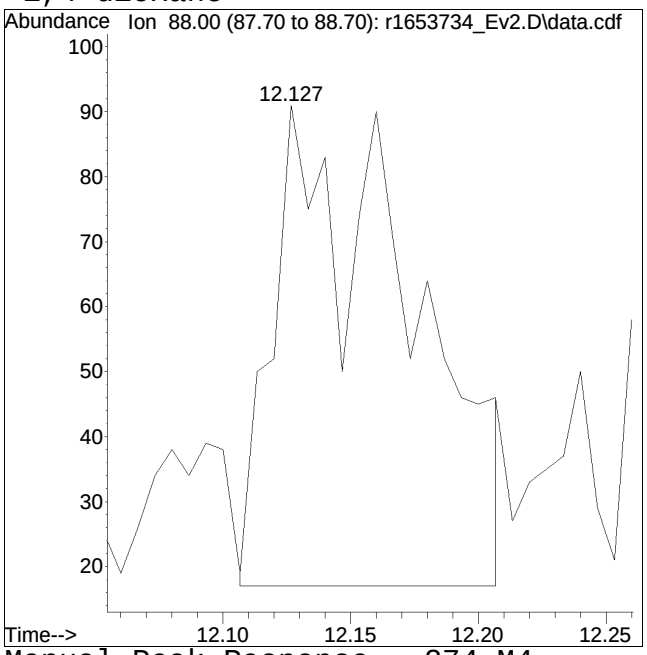
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653734_Ev2.D Operator : AIRLAB16:RAY
Date Inj'd : 1/20/2026 4:33 PM Instrument :
Sample : ITO15-SIMTD0.02 Quant Date : 1/21/2026 6:44 am

Compound #43: 1,4-dioxane



Original Peak Response = 115



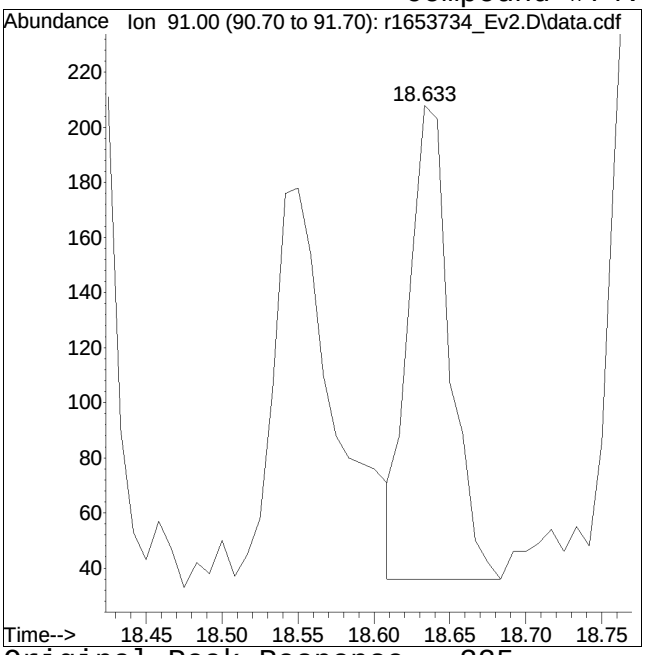
Manual Peak Response = 274 M4

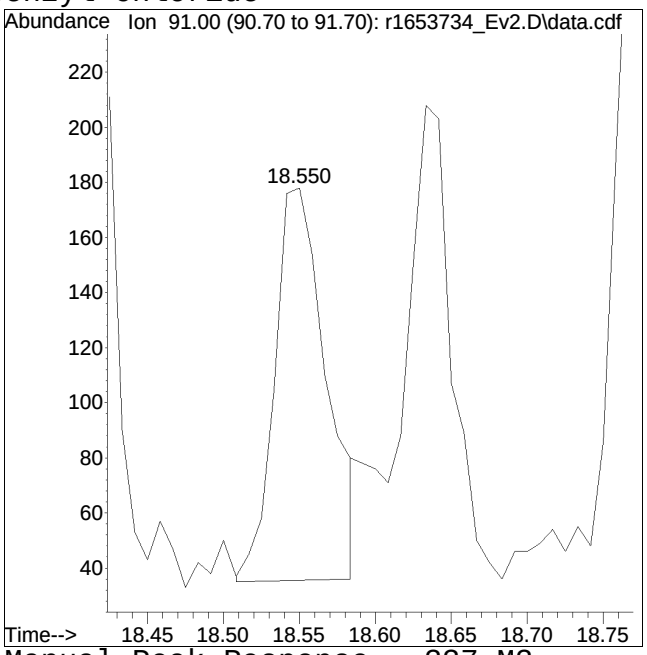
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653734_Ev2.D Operator : AIRLAB16:RAY
Date Inj'd : 1/20/2026 4:33 PM Instrument :
Sample : ITO15-SIMTD0.02 Quant Date : 1/21/2026 6:44 am

Compound #74: Benzyl Chloride





Original Peak Response = 325 Manual Peak Response = 337 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 : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653735_Ev2.D
Acq On : 20 Jan 2026 5:10 PM
Operator : AIRLAB16:RAY
Sample : ITO15-SIMTD0.05
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:44:42 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.067	49	231034	10.000	ppbV	0.00
Standard Area = 245998			Recovery = 93.92%			
33) 1,4-difluorobenzene	11.287	114	610752	10.000	ppbV	0.00
Standard Area = 657294			Recovery = 92.92%			
51) chlorobenzene-D5	15.967	54	81188	10.000	ppbV	0.00
Standard Area = 86828			Recovery = 93.50%			
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	0.000	98	0	0.000	ppbV	
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.00%#			
67) bromofluorobenzene	17.350	95	150	0.005	ppbV	0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.05%#			
Target Compounds						Qvalue
2) propylene	3.928	41	723M6	0.063	ppbV	
3) dichlorodifluoromethane	4.000	85	1534	0.057	ppbV	94
4) chloromethane	4.174	50	936	0.058	ppbV	93
5) Freon-114	4.282	85	1874	0.055	ppbV	93
6) vinyl chloride	4.396	62	773	0.057	ppbV #	76
7) 1,3-butadiene	4.540	54	540	0.049	ppbV #	46
8) bromomethane	4.828	94	609	0.058	ppbV	93
9) chloroethane	5.014	64	383	0.064	ppbV #	88
10) ethanol	5.176	31	4976	0.396	ppbV	94
11) vinyl bromide	5.393	106	643	0.061	ppbV	99
12) acrolein	5.550	56	449	0.068	ppbV #	59
13) acetone	5.687	43	7329	0.439	ppbV #	99
14) trichlorofluoromethane	5.843	101	1327	0.057	ppbV	96
15) isopropyl alcohol	5.980	45	3604	0.186	ppbV #	95
16) acrylonitrile	6.193	53	658M4	0.048	ppbV	
17) 1,1-dichloroethene	6.540	61	973	0.055	ppbV	96
18) tertiary butyl alcohol	6.642	59	1292	0.067	ppbV #	72
19) methylene chloride	6.678	49	1598	0.085	ppbV	100
20) 3-chloropropene	6.810	41	864	0.051	ppbV #	82
21) carbon disulfide	6.984	76	3617	0.091	ppbV #	1
22) Freon 113	6.984	101	1555	0.058	ppbV	97
23) trans-1,2-dichloroethene	7.725	61	879	0.054	ppbV	94
24) 1,1-dichloroethane	7.942	63	1229	0.056	ppbV	96

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653735_Ev2.D
Acq On : 20 Jan 2026 5:10 PM
Operator : AIRLAB16:RAY
Sample : ITO15-SIMTD0.05
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:44:42 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) MTBE	8.050	73	1844	0.057	ppbV #	85
26) vinyl acetate	8.150	43	930	0.038	ppbV #	80
27) 2-butanone	8.425	43	1586	0.057	ppbV #	93
28) cis-1,2-dichloroethene	8.883	61	890	0.052	ppbV	96
29) Ethyl Acetate	9.183	61	128	0.034	ppbV #	1
30) chloroform	9.225	83	1504	0.060	ppbV #	90
31) Tetrahydrofuran	9.717	42	921	0.063	ppbV	92
32) 1,2-dichloroethane	10.058	62	782	0.060	ppbV #	86
34) hexane	9.133	57	1501	0.070	ppbV #	31
36) 1,1,1-trichloroethane	10.342	97	959	0.053	ppbV #	94
37) benzene	10.867	78	3089	0.059	ppbV	99
38) carbon tetrachloride	11.040	117	810	0.048	ppbV #	91
39) cyclohexane	11.173	56	1309	0.056	ppbV	94
40) Dibromomethane	11.787	93	745	0.051	ppbV #	86
41) 1,2-dichloropropane	11.813	63	872	0.055	ppbV #	82
42) bromodichloromethane	12.040	83	1159	0.053	ppbV	94
43) 1,4-dioxane	12.127	88	517M4	0.055	ppbV	
44) trichloroethene	12.093	130	1254	0.060	ppbV	96
45) 2,2,4-trimethylpentane	12.133	57	4258	0.060	ppbV #	95
46) heptane	12.447	43	1566	0.054	ppbV	92
47) cis-1,3-dichloropropene	13.117	75	972	0.043	ppbV #	72
48) 4-methyl-2-pentanone	13.175	43	1077	0.031	ppbV	91
49) trans-1,3-dichloropropene	13.758	75	421	0.027	ppbV #	40
50) 1,1,2-trichloroethane	13.925	97	814	0.047	ppbV	87
52) toluene	14.233	91	3166	0.061	ppbV	100
54) 2-hexanone	14.608	43	828M3	0.025	ppbV	
55) dibromochloromethane	14.683	129	909	0.045	ppbV	96
56) 1,2-dibromoethane	14.933	107	1349	0.048	ppbV	96
57) tetrachloroethene	15.383	166	1221	0.058	ppbV	97
58) 1,1,1,2-tetrachloroethane	16.000	131	838	0.046	ppbV	96
59) chlorobenzene	16.008	112	2857	0.059	ppbV	97
60) ethylbenzene	16.350	91	3690	0.056	ppbV	97
61) m+p-xylene	16.508	91	5875	0.112	ppbV	99
62) bromoform	16.583	173	509	0.037	ppbV	98
63) styrene	16.842	104	2390	0.049	ppbV	93
64) 1,1,2,2-tetrachloroethane	16.933	83	2186	0.057	ppbV	96
65) o-xylene	16.933	91	2806	0.053	ppbV	96
66) 1,2,3-Trichloropropane	17.050	75	1740	0.053	ppbV #	95
68) isopropylbenzene	17.442	105	4256	0.050	ppbV	99
69) Bromobenzene	17.525	77	2167	0.051	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653735_Ev2.D
Acq On : 20 Jan 2026 5:10 PM
Operator : AIRLAB16:RAY
Sample : ITO15-SIMTD0.05
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:44:42 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

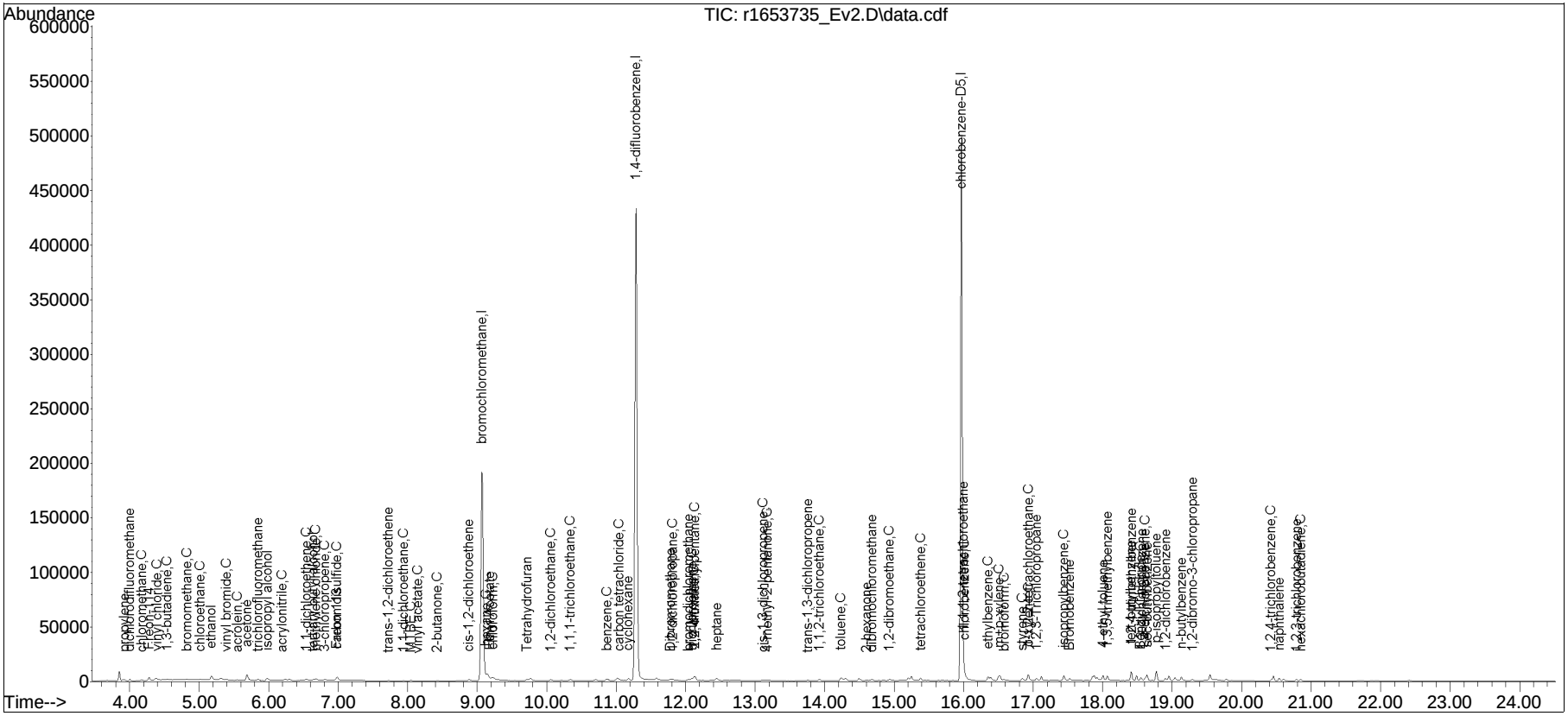
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	18.008	105	4244	0.055	ppbV #	94
71) 1,3,5-trimethylbenzene	18.067	105	3484	0.052	ppbV #	98
72) tert-butylbenzene	18.408	119	3605	0.052	ppbV	99
73) 1,2,4-trimethylbenzene	18.417	105	3660	0.053	ppbV	90
74) Benzyl Chloride	18.550	91	1015	0.030	ppbV #	87
75) 1,3-dichlorobenzene	18.558	146	2340	0.050	ppbV	97
76) 1,4-dichlorobenzene	18.617	146	2501	0.053	ppbV	97
77) sec-butylbenzene	18.642	105	5402	0.051	ppbV	96
78) p-isopropyltoluene	18.775	119	4176	0.048	ppbV	96
79) 1,2-dichlorobenzene	18.908	146	2351	0.054	ppbV	98
80) n-butylbenzene	19.133	91	3553	0.048	ppbV	97
81) 1,2-dibromo-3-chloropr...	19.292	75	622	0.037	ppbV #	88
82) 1,2,4-trichlorobenzene	20.425	180	1400	0.048	ppbV	99
83) naphthalene	20.542	128	4722	0.043	ppbV	97
84) 1,2,3-trichlorobenzene	20.792	180	1469	0.047	ppbV	96
85) hexachlorobutadiene	20.850	225	1188	0.054	ppbV	94

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

Sub List : Default - All compounds listed1\0120SIM_I\r1653740_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653735_Ev2.D
Acq On : 20 Jan 2026 5:10 PM
Operator : AIRLAB16:RAY
Sample : ITO15-SIMTD0.05
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

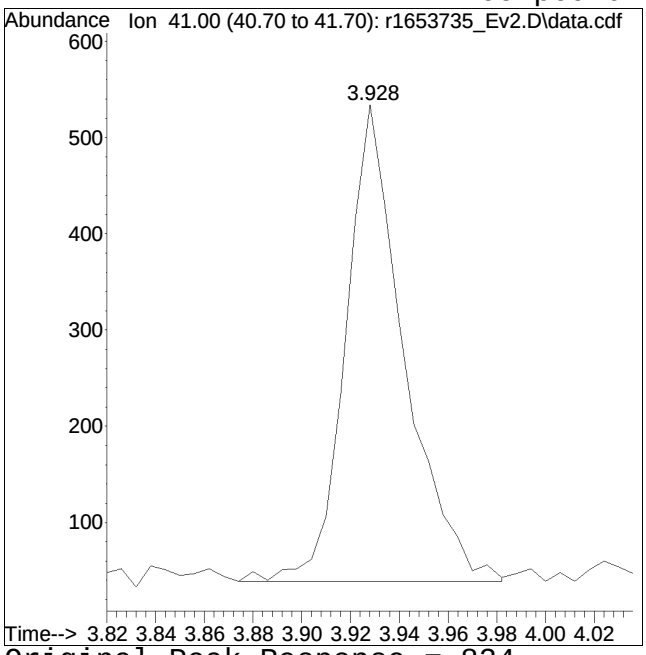
Quant Time: Jan 21 06:44:42 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration



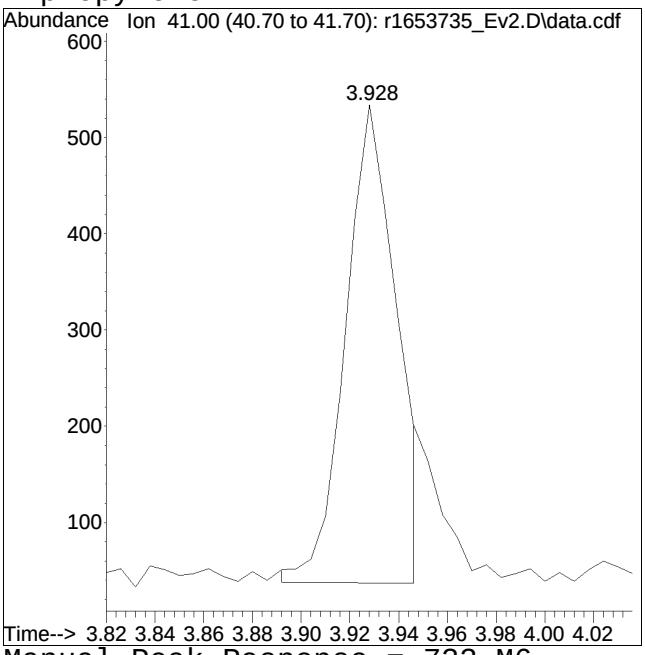
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653735_Ev2.D Operator : AIRLAB16:RAY
Date Inj'd : 1/20/2026 5:10 PM Instrument :
Sample : ITO15-SIMTD0.05 Quant Date : 1/21/2026 6:44 am

Compound #2: propylene



Original Peak Response = 824



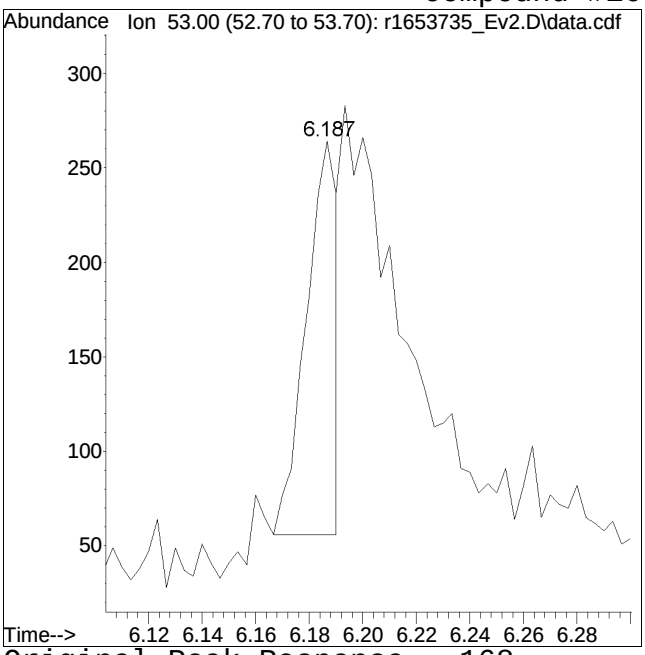
Manual Peak Response = 723 M6

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

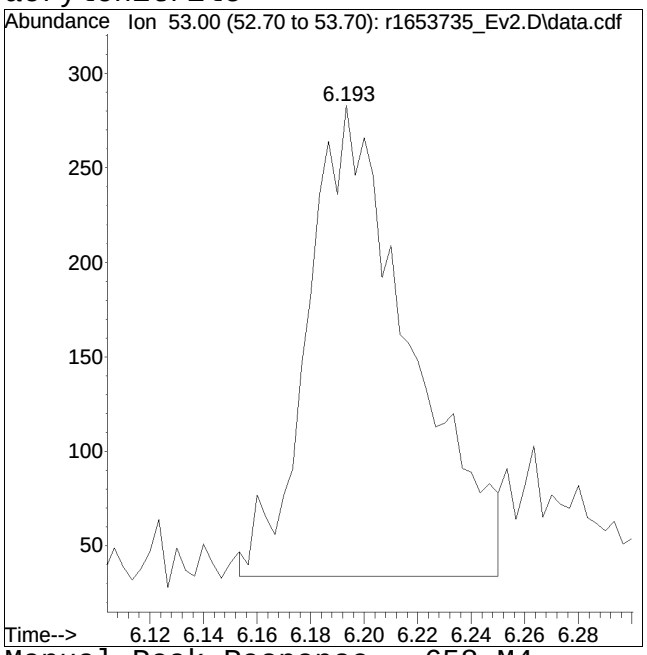
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653735_Ev2.D Operator : AIRLAB16:RAY
Date Inj'd : 1/20/2026 5:10 PM Instrument :
Sample : ITO15-SIMTD0.05 Quant Date : 1/21/2026 6:44 am

Compound #16: acrylonitrile



Original Peak Response = 168



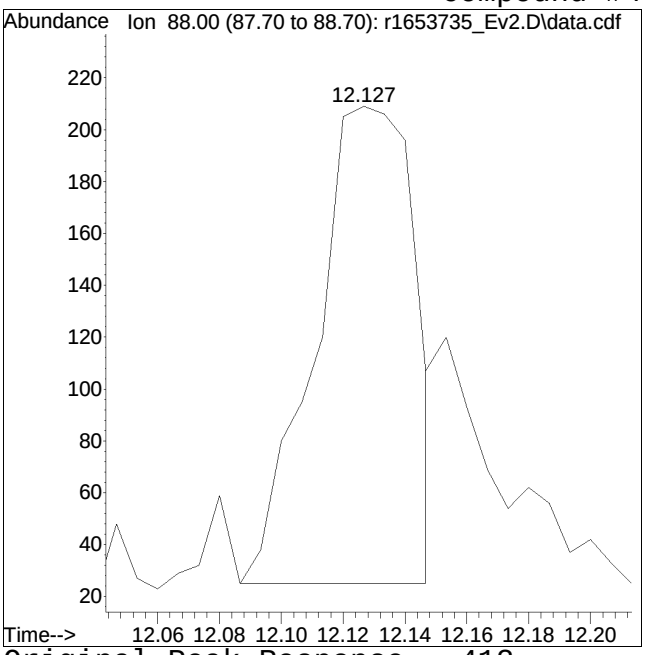
Manual Peak Response = 658 M4

M4 = Poor automated baseline construction.

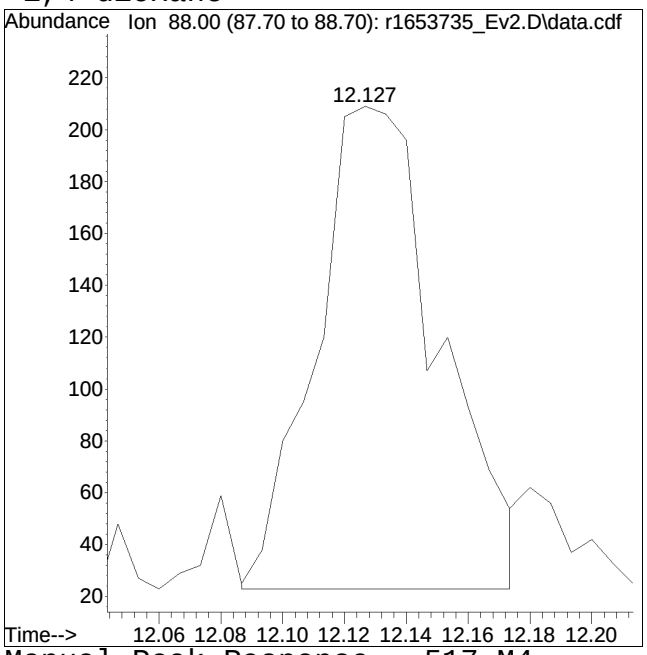
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653735_Ev2.D Operator : AIRLAB16:RAY
Date Inj'd : 1/20/2026 5:10 PM Instrument :
Sample : ITO15-SIMTD0.05 Quant Date : 1/21/2026 6:44 am

Compound #43: 1,4-dioxane



Original Peak Response = 412



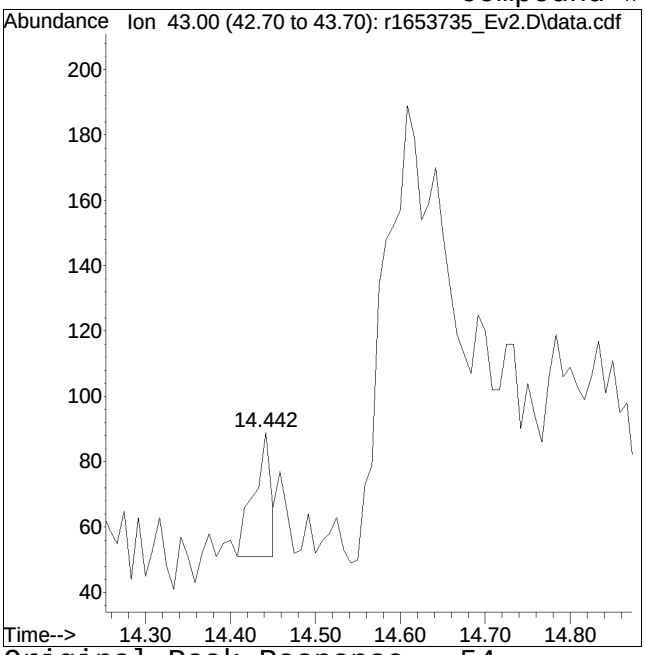
Manual Peak Response = 517 M4

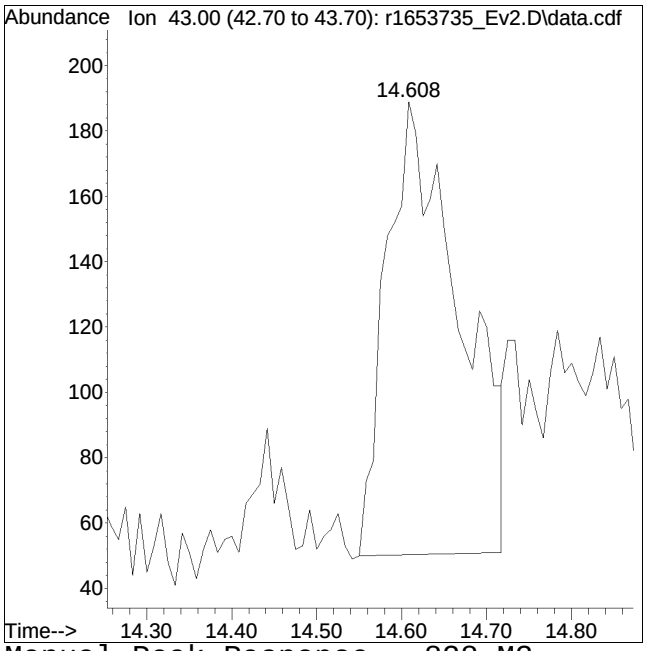
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653735_Ev2.D Operator : AIRLAB16:RAY
Date Inj'd : 1/20/2026 5:10 PM Instrument :
Sample : ITO15-SIMTD0.05 Quant Date : 1/21/2026 6:44 am

Compound #54: 2-hexanone





Original Peak Response = 54 Manual Peak Response = 828 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 : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653736_Ev2.D
Acq On : 20 Jan 2026 5:49 PM
Operator : AIRLAB16:RAY
Sample : ITO15-SIMTD0.1
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:44:51 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.067	49	228794	10.000	ppbV	0.00
Standard Area = 245998			Recovery = 93.01%			
33) 1,4-difluorobenzene	11.280	114	614984	10.000	ppbV	0.00
Standard Area = 657294			Recovery = 93.56%			
51) chlorobenzene-D5	15.967	54	81814	10.000	ppbV	0.00
Standard Area = 86828			Recovery = 94.23%			
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	0.000	98	0	0.000	ppbV	
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.00%#			
67) bromofluorobenzene	17.325	95	75	0.002	ppbV	0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.02%#			
Target Compounds						Qvalue
2) propylene	3.922	41	1353M6	0.119	ppbV	
3) dichlorodifluoromethane	4.000	85	3080	0.115	ppbV	100
4) chloromethane	4.162	50	1822	0.114	ppbV	99
5) Freon-114	4.276	85	3766	0.113	ppbV	99
6) vinyl chloride	4.390	62	1486	0.111	ppbV #	86
7) 1,3-butadiene	4.540	54	1133	0.104	ppbV #	71
8) bromomethane	4.822	94	1249	0.121	ppbV	99
9) chloroethane	5.008	64	734	0.124	ppbV	98
10) ethanol	5.164	31	8132	0.654	ppbV	94
11) vinyl bromide	5.383	106	1155	0.111	ppbV	98
12) acrolein	5.530	56	902M4	0.138	ppbV	
13) acetone	5.673	43	14436	0.873	ppbV #	98
14) trichlorofluoromethane	5.837	101	2594	0.112	ppbV	97
15) isopropyl alcohol	5.960	45	7160	0.373	ppbV #	97
16) acrylonitrile	6.177	53	1248	0.091	ppbV #	96
17) 1,1-dichloroethene	6.534	61	2026	0.115	ppbV	96
18) tertiary butyl alcohol	6.630	59	2406	0.125	ppbV	98
19) methylene chloride	6.672	49	2674	0.144	ppbV	99
20) 3-chloropropene	6.804	41	1926	0.115	ppbV #	90
21) carbon disulfide	6.978	76	5851	0.148	ppbV #	19
22) Freon 113	6.972	101	3007	0.114	ppbV	96
23) trans-1,2-dichloroethene	7.717	61	1841	0.114	ppbV	98
24) 1,1-dichloroethane	7.933	63	2495	0.114	ppbV	98

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653736_Ev2.D
Acq On : 20 Jan 2026 5:49 PM
Operator : AIRLAB16:RAY
Sample : ITO15-SIMTD0.1
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:44:51 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	8.033	73	3612	0.112	ppbV	#	91
26) vinyl acetate	8.133	43	2077M3	0.086	ppbV		
27) 2-butanone	8.408	43	3433	0.124	ppbV	#	95
28) cis-1,2-dichloroethene	8.883	61	1915	0.113	ppbV		100
29) Ethyl Acetate	9.183	61	245	0.065	ppbV	#	1
30) chloroform	9.217	83	2988	0.121	ppbV	#	95
31) Tetrahydrofuran	9.700	42	1792	0.123	ppbV		93
32) 1,2-dichloroethane	10.050	62	1415	0.109	ppbV		94
34) hexane	9.133	57	2996	0.139	ppbV	#	56
36) 1,1,1-trichloroethane	10.333	97	2014	0.111	ppbV		99
37) benzene	10.867	78	6146	0.117	ppbV		97
38) carbon tetrachloride	11.033	117	1633	0.097	ppbV		97
39) cyclohexane	11.173	56	2806	0.120	ppbV		98
40) Dibromomethane	11.780	93	1637	0.112	ppbV	#	97
41) 1,2-dichloropropane	11.800	63	1727	0.109	ppbV	#	89
42) bromodichloromethane	12.033	83	2415	0.109	ppbV		97
43) 1,4-dioxane	12.113	88	930	0.099	ppbV	#	58
44) trichloroethene	12.080	130	2299	0.109	ppbV		84
45) 2,2,4-trimethylpentane	12.127	57	8301	0.116	ppbV		99
46) heptane	12.440	43	3380	0.115	ppbV		98
47) cis-1,3-dichloropropene	13.100	75	2181	0.096	ppbV	#	82
48) 4-methyl-2-pentanone	13.167	43	3107	0.089	ppbV		97
49) trans-1,3-dichloropropene	13.733	75	1234	0.079	ppbV	#	74
50) 1,1,2-trichloroethane	13.917	97	1895	0.108	ppbV		97
52) toluene	14.225	91	6054	0.115	ppbV		98
54) 2-hexanone	14.558	43	2440M3	0.074	ppbV		
55) dibromochloromethane	14.675	129	1828	0.090	ppbV		97
56) 1,2-dibromoethane	14.925	107	2995	0.106	ppbV		98
57) tetrachloroethene	15.383	166	2455	0.116	ppbV		99
58) 1,1,1,2-tetrachloroethane	15.992	131	1617	0.089	ppbV		96
59) chlorobenzene	16.008	112	5596	0.114	ppbV		98
60) ethylbenzene	16.342	91	7350	0.110	ppbV		100
61) m+p-xylene	16.508	91	11380	0.216	ppbV		99
62) bromoform	16.575	173	1110	0.080	ppbV		97
63) styrene	16.833	104	4505	0.092	ppbV		97
64) 1,1,2,2-tetrachloroethane	16.917	83	4335	0.113	ppbV		100
65) o-xylene	16.917	91	6071	0.113	ppbV		98
66) 1,2,3-Trichloropropane	17.033	75	3431	0.103	ppbV		97
68) isopropylbenzene	17.425	105	8888	0.104	ppbV		100
69) Bromobenzene	17.508	77	4340	0.100	ppbV		96

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653736_Ev2.D
Acq On : 20 Jan 2026 5:49 PM
Operator : AIRLAB16:RAY
Sample : ITO15-SIMTD0.1
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:44:51 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

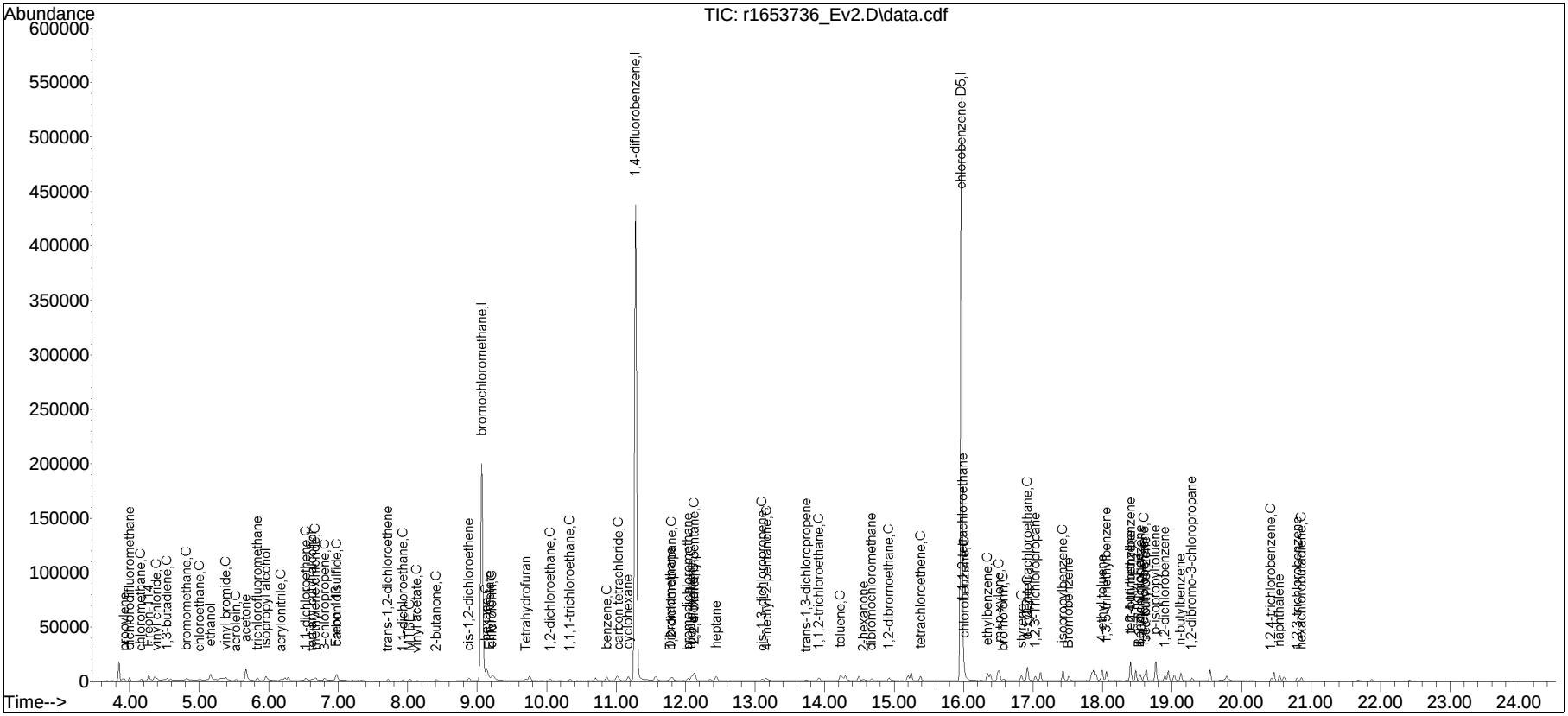
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.992	105	8533	0.110	ppbV #	96
71) 1,3,5-trimethylbenzene	18.058	105	6852	0.101	ppbV	96
72) tert-butylbenzene	18.400	119	7339	0.105	ppbV	99
73) 1,2,4-trimethylbenzene	18.400	105	7318	0.105	ppbV	97
74) Benzyl Chloride	18.533	91	2278	0.067	ppbV	94
75) 1,3-dichlorobenzene	18.542	146	5106	0.108	ppbV	96
76) 1,4-dichlorobenzene	18.600	146	5223	0.110	ppbV	95
77) sec-butylbenzene	18.625	105	11118	0.104	ppbV	100
78) p-isopropyltoluene	18.758	119	8794	0.100	ppbV	100
79) 1,2-dichlorobenzene	18.892	146	5222	0.118	ppbV	99
80) n-butylbenzene	19.125	91	7526	0.101	ppbV	99
81) 1,2-dibromo-3-chloropr...	19.283	75	1405	0.083	ppbV #	86
82) 1,2,4-trichlorobenzene	20.425	180	3157	0.107	ppbV	98
83) naphthalene	20.542	128	10808	0.098	ppbV	99
84) 1,2,3-trichlorobenzene	20.800	180	3191	0.102	ppbV	98
85) hexachlorobutadiene	20.858	225	2499	0.112	ppbV	95

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

Sub List : Default - All compounds listed1\0120SIM_I\r1653740_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653736_Ev2.D
Acq On : 20 Jan 2026 5:49 PM
Operator : AIRLAB16:RAY
Sample : ITO15-SIMTD0.1
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

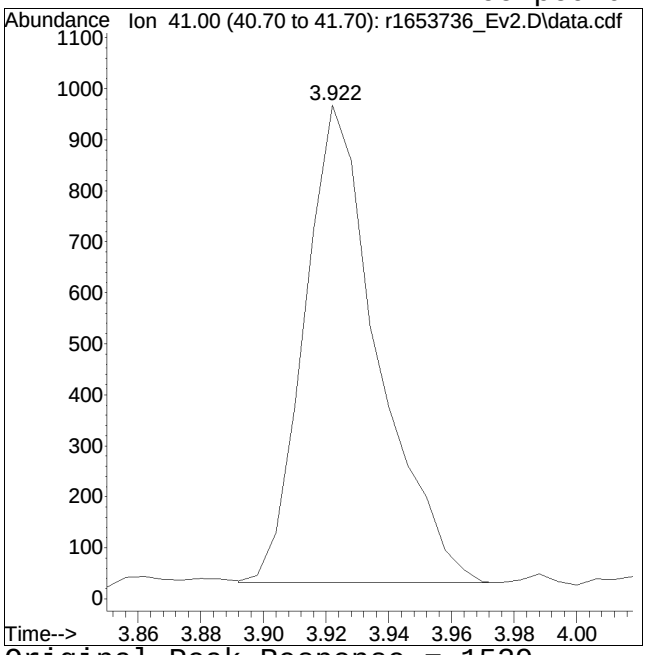
Quant Time: Jan 21 06:44:51 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration



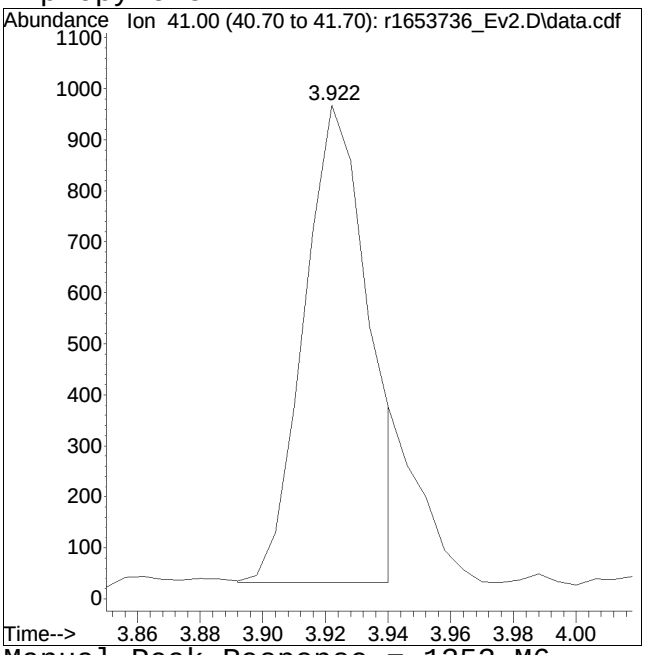
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653736_Ev2.D Operator : AIRLAB16:RAY
Date Inj'd : 1/20/2026 5:49 PM Instrument :
Sample : ITO15-SIMTD0.1 Quant Date : 1/21/2026 6:44 am

Compound #2: propylene



Original Peak Response = 1529



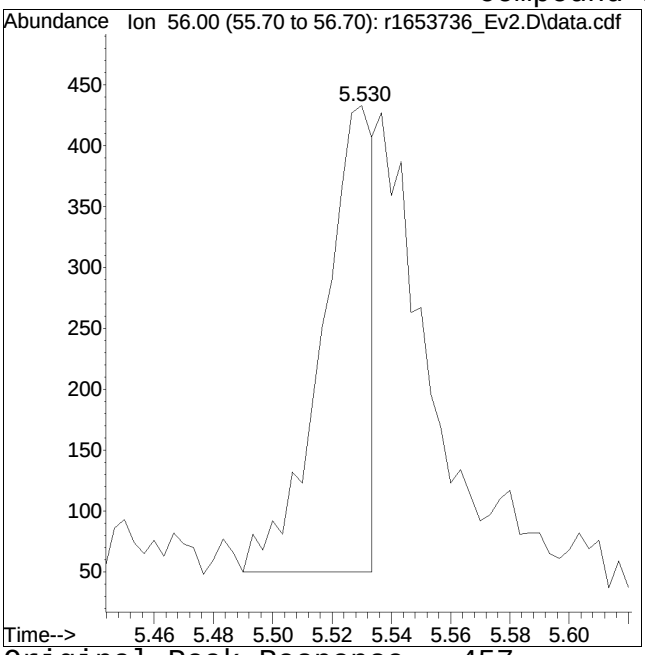
Manual Peak Response = 1353 M6

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

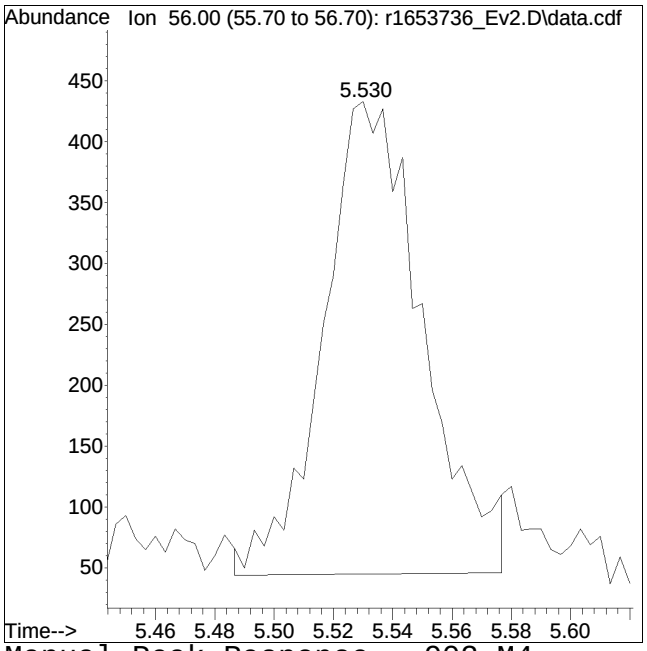
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653736_Ev2.D Operator : AIRLAB16:RAY
Date Inj'd : 1/20/2026 5:49 PM Instrument :
Sample : ITO15-SIMTD0.1 Quant Date : 1/21/2026 6:44 am

Compound #12: acrolein



Original Peak Response = 457



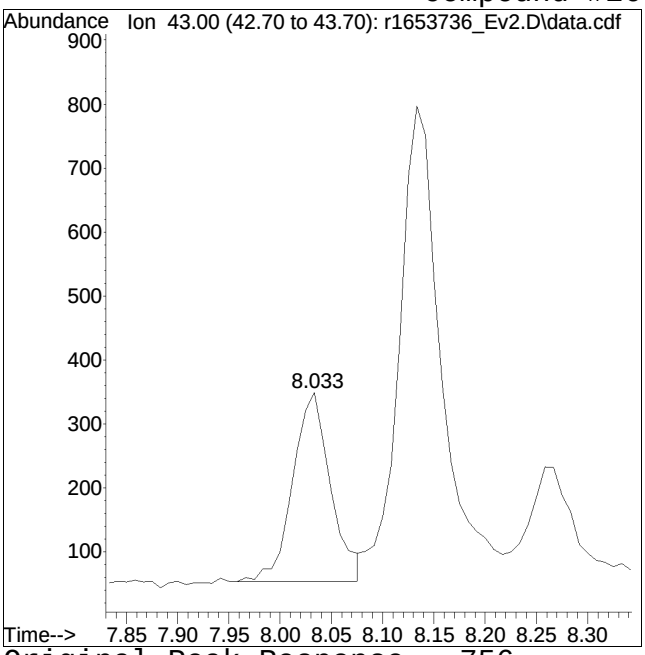
Manual Peak Response = 902 M4

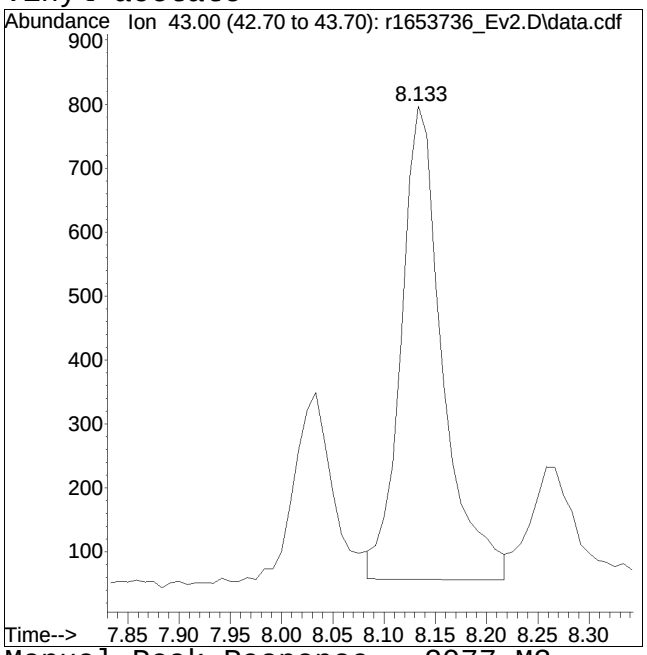
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653736_Ev2.D Operator : AIRLAB16:RAY
Date Inj'd : 1/20/2026 5:49 PM Instrument :
Sample : ITO15-SIMTD0.1 Quant Date : 1/21/2026 6:44 am

Compound #26: vinyl acetate





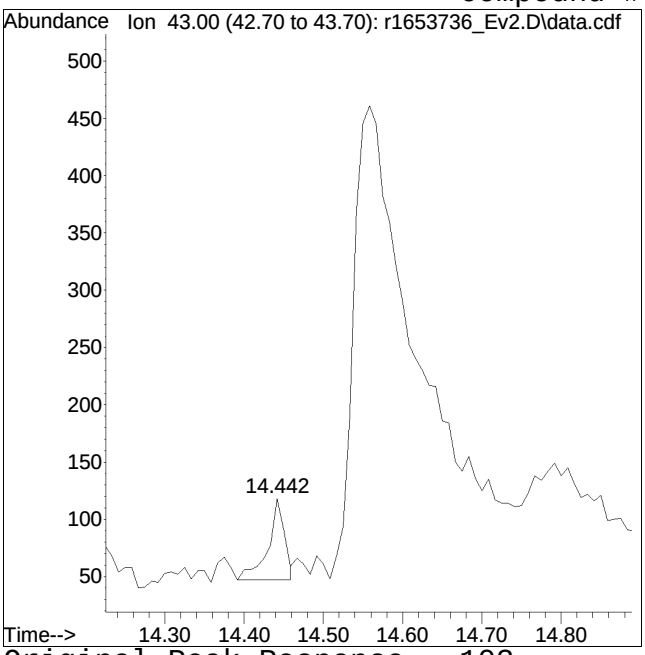
Original Peak Response = 756 Manual Peak Response = 2077 M3

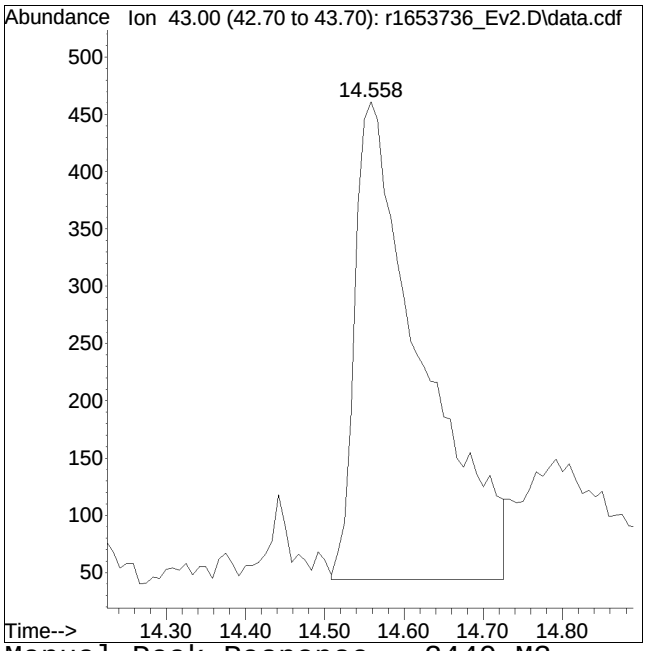
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653736_Ev2.D Operator : AIRLAB16:RAY
Date Inj'd : 1/20/2026 5:49 PM Instrument :
Sample : ITO15-SIMTD0.1 Quant Date : 1/21/2026 6:44 am

Compound #54: 2-hexanone





Original Peak Response = 103 Manual Peak Response = 2440 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 : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653737_Ev2.D
Acq On : 20 Jan 2026 6:28 PM
Operator : AIRLAB16:RAY
Sample : ITO15-LLSTD0.2
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:45:00 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.058	49	237652	10.000	ppbV	0.00
Standard Area = 245998			Recovery =		96.61%	
33) 1,4-difluorobenzene	11.280	114	638523	10.000	ppbV	0.00
Standard Area = 657294			Recovery =		97.14%	
51) chlorobenzene-D5	15.958	54	83921	10.000	ppbV	0.00
Standard Area = 86828			Recovery =		96.65%	
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.925	65	115508	9.725	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		97.25%	
53) toluene-D8	14.108	98	483015	9.746	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		97.46%	
67) bromofluorobenzene	17.308	95	309409	9.353	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		93.53%	
Target Compounds						Qvalue
2) propylene	3.922	41	2928M6	0.247	ppbV	
3) dichlorodifluoromethane	3.994	85	6528	0.236	ppbV	100
4) chloromethane	4.162	50	3686	0.222	ppbV	96
5) Freon-114	4.270	85	7865	0.226	ppbV	99
6) vinyl chloride	4.390	62	3182	0.228	ppbV	93
7) 1,3-butadiene	4.534	54	2594	0.228	ppbV	85
8) bromomethane	4.816	94	2570	0.239	ppbV	96
9) chloroethane	5.002	64	1468	0.240	ppbV	97
10) ethanol	5.158	31	15297	1.184	ppbV	97
11) vinyl bromide	5.383	106	2862	0.265	ppbV	97
12) acrolein	5.523	56	1475	0.218	ppbV #	76
13) acetone	5.663	43	21344	1.243	ppbV #	99
14) trichlorofluoromethane	5.837	101	5602	0.233	ppbV	96
15) isopropyl alcohol	5.950	45	12313	0.617	ppbV #	97
16) acrylonitrile	6.173	53	2729	0.193	ppbV	99
17) 1,1-dichloroethene	6.528	61	4271	0.233	ppbV	99
18) tertiary butyl alcohol	6.618	59	3634	0.182	ppbV	96
19) methylene chloride	6.672	49	4963	0.258	ppbV	99
20) 3-chloropropene	6.804	41	4011	0.230	ppbV	97
21) carbon disulfide	6.978	76	10836	0.264	ppbV #	56
22) Freon 113	6.972	101	6489	0.236	ppbV	98
23) trans-1,2-dichloroethene	7.717	61	3977	0.238	ppbV	97
24) 1,1-dichloroethane	7.933	63	5267	0.231	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653737_Ev2.D
Acq On : 20 Jan 2026 6:28 PM
Operator : AIRLAB16:RAY
Sample : ITO15-LLSTD0.2
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:45:00 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	8.025	73	8004	0.239	ppbV		96
26) vinyl acetate	8.125	43	3983	0.160	ppbV		98
27) 2-butanone	8.400	43	6313	0.220	ppbV		95
28) cis-1,2-dichloroethene	8.875	61	3983	0.227	ppbV		97
29) Ethyl Acetate	9.167	61	730	0.186	ppbV	#	18
30) chloroform	9.217	83	5873	0.228	ppbV		98
31) Tetrahydrofuran	9.683	42	3771	0.249	ppbV		96
32) 1,2-dichloroethane	10.050	62	3019	0.224	ppbV	#	94
34) hexane	9.125	57	6553	0.292	ppbV	#	54
36) 1,1,1-trichloroethane	10.333	97	4144	0.221	ppbV		96
37) benzene	10.860	78	12524	0.230	ppbV		98
38) carbon tetrachloride	11.027	117	3576	0.204	ppbV	#	93
39) cyclohexane	11.173	56	5855	0.241	ppbV		97
40) Dibromomethane	11.773	93	3197	0.211	ppbV	#	95
41) 1,2-dichloropropane	11.800	63	3633	0.221	ppbV	#	93
42) bromodichloromethane	12.033	83	4993	0.218	ppbV	#	98
43) 1,4-dioxane	12.100	88	2200M3	0.226	ppbV		
44) trichloroethene	12.080	130	5039	0.230	ppbV		97
45) 2,2,4-trimethylpentane	12.127	57	17296	0.233	ppbV		99
46) heptane	12.440	43	7057	0.232	ppbV		98
47) cis-1,3-dichloropropene	13.092	75	4616	0.195	ppbV		93
48) 4-methyl-2-pentanone	13.142	43	7069	0.194	ppbV		99
49) trans-1,3-dichloropropene	13.725	75	3167	0.196	ppbV	#	83
50) 1,1,2-trichloroethane	13.917	97	3826	0.211	ppbV		98
52) toluene	14.225	91	12587	0.233	ppbV		100
54) 2-hexanone	14.533	43	4805	0.142	ppbV		98
55) dibromochloromethane	14.675	129	4054	0.194	ppbV		97
56) 1,2-dibromoethane	14.925	107	6172	0.213	ppbV		100
57) tetrachloroethene	15.375	166	4924	0.226	ppbV		98
58) 1,1,1,2-tetrachloroethane	15.992	131	3345	0.179	ppbV		97
59) chlorobenzene	16.000	112	11257	0.224	ppbV		98
60) ethylbenzene	16.342	91	14782	0.216	ppbV		98
61) m+p-xylene	16.500	91	23017	0.425	ppbV		99
62) bromoform	16.567	173	2173	0.153	ppbV		96
63) styrene	16.817	104	10018	0.200	ppbV		97
64) 1,1,2,2-tetrachloroethane	16.908	83	7873	0.199	ppbV		99
65) o-xylene	16.908	91	11705	0.213	ppbV		100
66) 1,2,3-Trichloropropane	17.025	75	6763	0.198	ppbV		99
68) isopropylbenzene	17.425	105	17647	0.202	ppbV		98
69) Bromobenzene	17.500	77	8901	0.201	ppbV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653737_Ev2.D
Acq On : 20 Jan 2026 6:28 PM
Operator : AIRLAB16:RAY
Sample : ITO15-LLSTD0.2
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:45:00 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

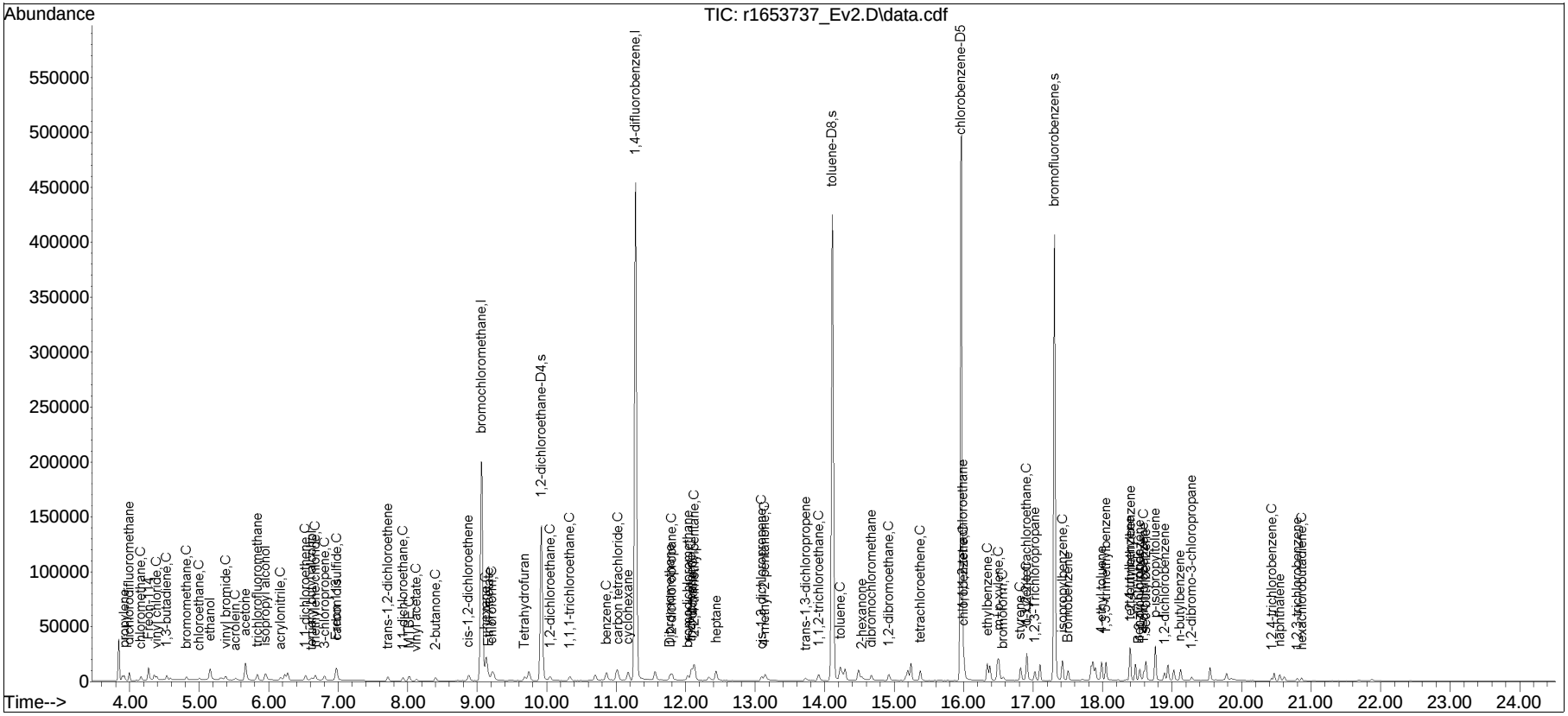
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
70) 4-ethyl toluene	17.983	105	15534	0.195	ppbV		98
71) 1,3,5-trimethylbenzene	18.050	105	13701	0.196	ppbV		97
72) tert-butylbenzene	18.392	119	12829	0.179	ppbV		100
73) 1,2,4-trimethylbenzene	18.400	105	12963	0.182	ppbV		92
74) Benzyl Chloride	18.525	91	3805	0.109	ppbV		97
75) 1,3-dichlorobenzene	18.533	146	8344	0.172	ppbV		94
76) 1,4-dichlorobenzene	18.592	146	8652	0.177	ppbV		93
77) sec-butylbenzene	18.625	105	18576	0.169	ppbV		96
78) p-isopropyltoluene	18.758	119	14379	0.159	ppbV		98
79) 1,2-dichlorobenzene	18.892	146	7628	0.168	ppbV		99
80) n-butylbenzene	19.117	91	10873	0.142	ppbV		95
81) 1,2-dibromo-3-chloropr...	19.283	75	1648	0.094	ppbV	#	88
82) 1,2,4-trichlorobenzene	20.433	180	2785	0.092	ppbV		100
83) naphthalene	20.550	128	10484	0.093	ppbV		100
84) 1,2,3-trichlorobenzene	20.800	180	2502	0.078	ppbV		99
85) hexachlorobutadiene	20.867	225	2059	0.090	ppbV		96

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

Sub List : Default - All compounds listed1\0120SIM_I\r1653740_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653737_Ev2.D
Acq On : 20 Jan 2026 6:28 PM
Operator : AIRLAB16:RAY
Sample : ITO15-LLSTD0.2
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

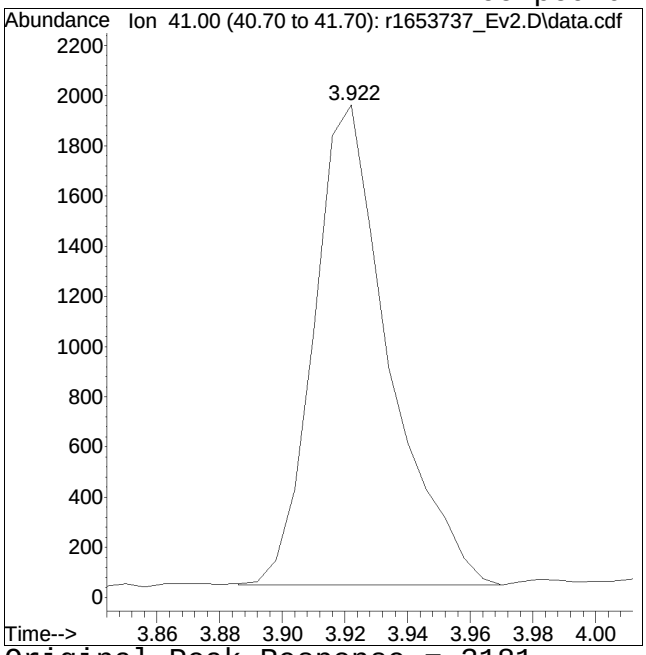
Quant Time: Jan 21 06:45:00 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration



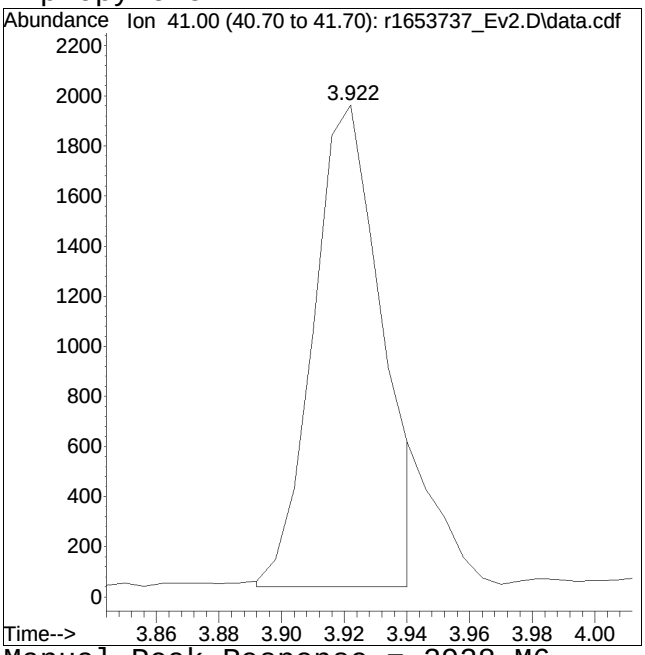
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653737_Ev2.D Operator : AIRLAB16:RAY
Date Inj'd : 1/20/2026 6:28 PM Instrument :
Sample : ITO15-LLSTD0.2 Quant Date : 1/21/2026 6:45 am

Compound #2: propylene



Original Peak Response = 3181



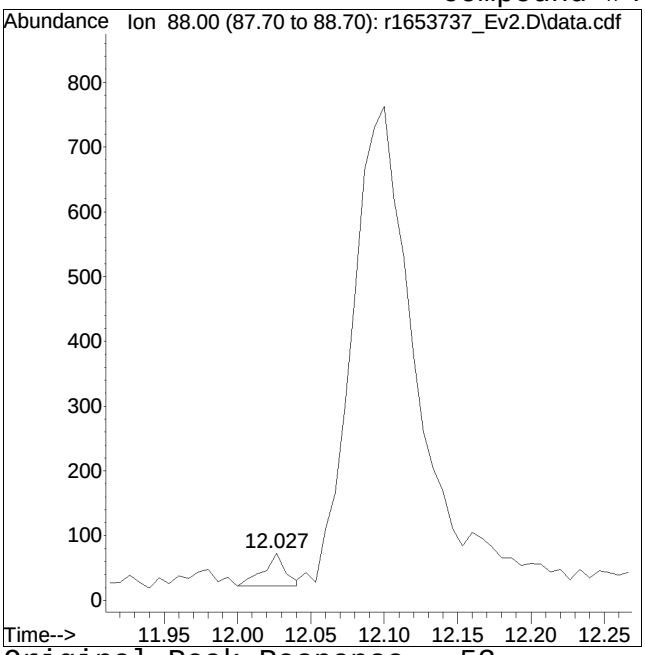
Manual Peak Response = 2928 M6

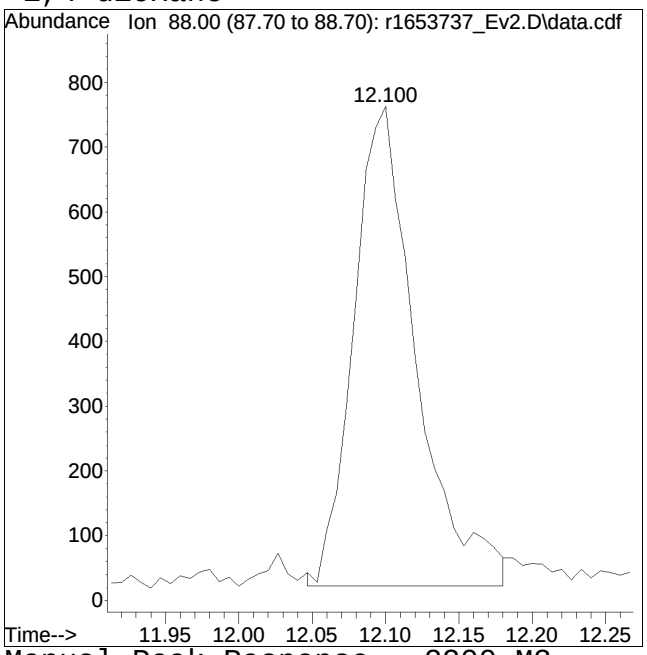
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653737_Ev2.D Operator : AIRLAB16:RAY
Date Inj'd : 1/20/2026 6:28 PM Instrument :
Sample : ITO15-LLSTD0.2 Quant Date : 1/21/2026 6:45 am

Compound #43: 1,4-dioxane





Original Peak Response = 53 Manual Peak Response = 2200 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 : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653738_Ev2.D
Acq On : 20 Jan 2026 7:07 PM
Operator : AIRLAB16:RAY
Sample : ITO15-LLSTD0.5
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:45:10 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.067	49	238435	10.000	ppbV	0.00
Standard Area = 245998			Recovery =		96.93%	
33) 1,4-difluorobenzene	11.280	114	642353	10.000	ppbV	0.00
Standard Area = 657294			Recovery =		97.73%	
51) chlorobenzene-D5	15.958	54	85101	10.000	ppbV	0.00
Standard Area = 86828			Recovery =		98.01%	
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.925	65	117908	9.867	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		98.67%	
53) toluene-D8	14.108	98	493416	9.817	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		98.17%	
67) bromofluorobenzene	17.308	95	321582	9.587	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		95.87%	
Target Compounds						Qvalue
2) propylene	3.922	41	6895M6	0.581	ppbV	
3) dichlorodifluoromethane	3.994	85	15849	0.570	ppbV	99
4) chloromethane	4.162	50	9016	0.542	ppbV	100
5) Freon-114	4.270	85	19074	0.547	ppbV	99
6) vinyl chloride	4.390	62	7779	0.556	ppbV	99
7) 1,3-butadiene	4.534	54	6556	0.575	ppbV	95
8) bromomethane	4.816	94	6155	0.570	ppbV	98
9) chloroethane	5.002	64	3753	0.611	ppbV	93
10) ethanol	5.158	31	26432M3	2.039	ppbV	
11) vinyl bromide	5.383	106	7208	0.665	ppbV	100
12) acrolein	5.527	56	3672	0.540	ppbV	94
13) acetone	5.660	43	51642	2.998	ppbV	99
14) trichlorofluoromethane	5.837	101	13504	0.559	ppbV	99
15) isopropyl alcohol	5.950	45	28316	1.414	ppbV	99
16) acrylonitrile	6.170	53	6653	0.468	ppbV	97
17) 1,1-dichloroethene	6.534	61	10197	0.554	ppbV	99
18) tertiary butyl alcohol	6.612	59	8641	0.431	ppbV	99
19) methylene chloride	6.672	49	11142	0.577	ppbV	99
20) 3-chloropropene	6.804	41	9598	0.548	ppbV	97
21) carbon disulfide	6.978	76	24344	0.592	ppbV #	87
22) Freon 113	6.972	101	15628	0.567	ppbV	99
23) trans-1,2-dichloroethene	7.717	61	9543	0.569	ppbV	99
24) 1,1-dichloroethane	7.933	63	12622	0.552	ppbV	100

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653738_Ev2.D
Acq On : 20 Jan 2026 7:07 PM
Operator : AIRLAB16:RAY
Sample : ITO15-LLSTD0.5
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:45:10 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	8.017	73	19299	0.573	ppbV		97
26) vinyl acetate	8.125	43	11181	0.447	ppbV		99
27) 2-butanone	8.392	43	15449	0.538	ppbV		98
28) cis-1,2-dichloroethene	8.883	61	9686	0.550	ppbV		99
29) Ethyl Acetate	9.158	61	1788	0.454	ppbV	#	43
30) chloroform	9.217	83	14415	0.559	ppbV		98
31) Tetrahydrofuran	9.675	42	9152	0.602	ppbV		95
32) 1,2-dichloroethane	10.050	62	7441	0.550	ppbV		98
34) hexane	9.125	57	16183	0.717	ppbV	#	61
36) 1,1,1-trichloroethane	10.333	97	10249	0.543	ppbV		98
37) benzene	10.860	78	30093	0.549	ppbV		100
38) carbon tetrachloride	11.027	117	9195	0.521	ppbV		91
39) cyclohexane	11.173	56	14104	0.577	ppbV		99
40) Dibromomethane	11.773	93	7930	0.520	ppbV	#	96
41) 1,2-dichloropropane	11.800	63	9040	0.546	ppbV		98
42) bromodichloromethane	12.033	83	12586	0.546	ppbV		99
43) 1,4-dioxane	12.087	88	5494	0.561	ppbV		98
44) trichloroethene	12.080	130	12570	0.570	ppbV		98
45) 2,2,4-trimethylpentane	12.127	57	42926	0.575	ppbV		99
46) heptane	12.433	43	17231	0.564	ppbV		98
47) cis-1,3-dichloropropene	13.092	75	12184	0.511	ppbV		99
48) 4-methyl-2-pentanone	13.133	43	18216	0.497	ppbV		99
49) trans-1,3-dichloropropene	13.717	75	8026	0.493	ppbV		95
50) 1,1,2-trichloroethane	13.908	97	9766	0.535	ppbV		99
52) toluene	14.225	91	30304	0.554	ppbV		99
54) 2-hexanone	14.517	43	15711	0.458	ppbV		97
55) dibromochloromethane	14.667	129	10443	0.494	ppbV		97
56) 1,2-dibromoethane	14.917	107	15678	0.533	ppbV		100
57) tetrachloroethene	15.375	166	12123	0.549	ppbV		100
58) 1,1,1,2-tetrachloroethane	15.992	131	8876	0.468	ppbV		98
59) chlorobenzene	16.000	112	27462	0.540	ppbV		98
60) ethylbenzene	16.342	91	36928	0.533	ppbV		99
61) m+p-xylene	16.500	91	58238	1.060	ppbV		99
62) bromoform	16.575	173	6022	0.418	ppbV		99
63) styrene	16.825	104	25899	0.511	ppbV		99
64) 1,1,2,2-tetrachloroethane	16.917	83	20183	0.504	ppbV		100
65) o-xylene	16.917	91	29483	0.528	ppbV		99
66) 1,2,3-Trichloropropane	17.025	75	17160	0.496	ppbV		100
68) isopropylbenzene	17.425	105	44527	0.503	ppbV		99
69) Bromobenzene	17.508	77	22763	0.507	ppbV		99

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653738_Ev2.D
Acq On : 20 Jan 2026 7:07 PM
Operator : AIRLAB16:RAY
Sample : ITO15-LLSTD0.5
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:45:10 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

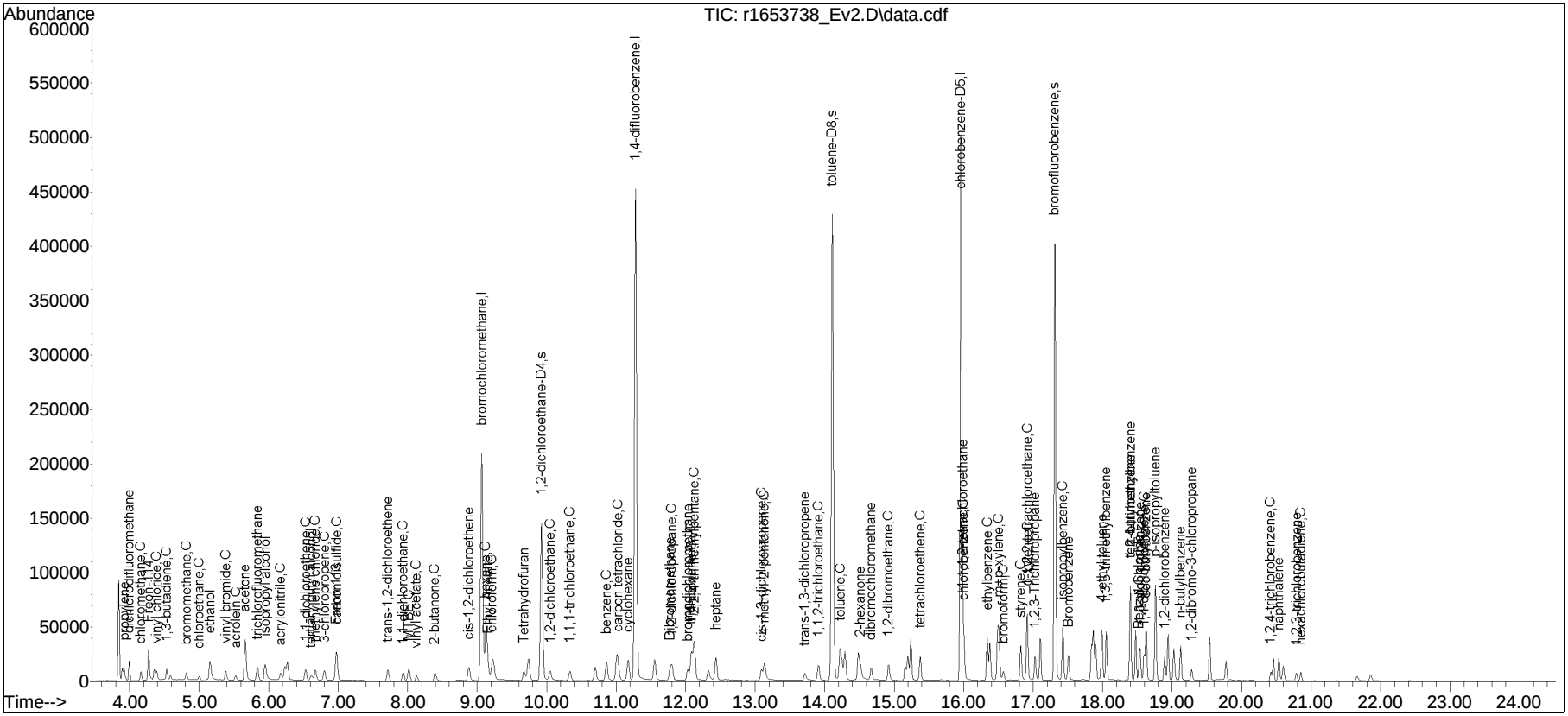
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.992	105	41104	0.509	ppbV	99
71) 1,3,5-trimethylbenzene	18.050	105	35429	0.501	ppbV	98
72) tert-butylbenzene	18.400	119	34853	0.480	ppbV	100
73) 1,2,4-trimethylbenzene	18.400	105	35145	0.487	ppbV	97
74) Benzyl Chloride	18.525	91	12612	0.356	ppbV	97
75) 1,3-dichlorobenzene	18.542	146	23287	0.474	ppbV	100
76) 1,4-dichlorobenzene	18.600	146	23824	0.481	ppbV	99
77) sec-butylbenzene	18.625	105	52015	0.466	ppbV	98
78) p-isopropyltoluene	18.758	119	40937	0.448	ppbV	99
79) 1,2-dichlorobenzene	18.892	146	21427	0.465	ppbV	98
80) n-butylbenzene	19.125	91	32789	0.421	ppbV	99
81) 1,2-dibromo-3-chloropr...	19.283	75	5666	0.320	ppbV	92
82) 1,2,4-trichlorobenzene	20.417	180	9262	0.301	ppbV	99
83) naphthalene	20.533	128	33601	0.294	ppbV	99
84) 1,2,3-trichlorobenzene	20.792	180	7970	0.245	ppbV	99
85) hexachlorobutadiene	20.850	225	6162	0.266	ppbV	96

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

Sub List : Default - All compounds listed1\0120SIM_I\r1653740_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653738_Ev2.D
Acq On : 20 Jan 2026 7:07 PM
Operator : AIRLAB16:RAY
Sample : ITO15-LLSTD0.5
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

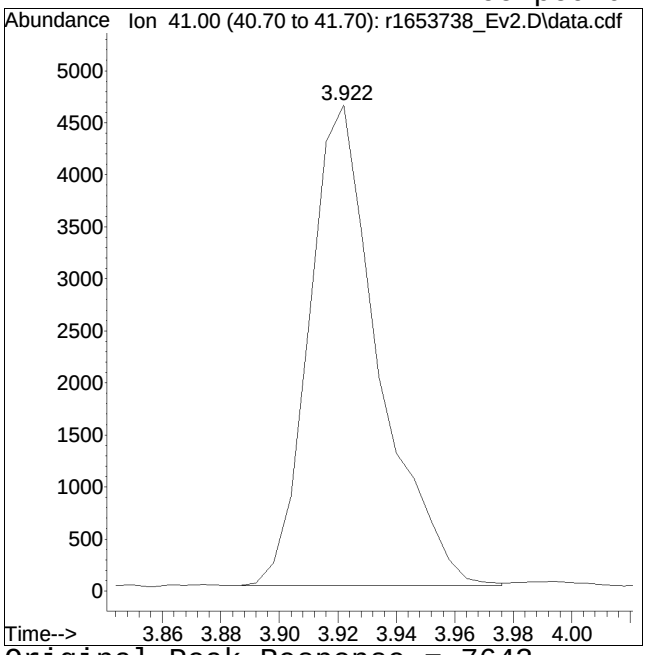
Quant Time: Jan 21 06:45:10 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration



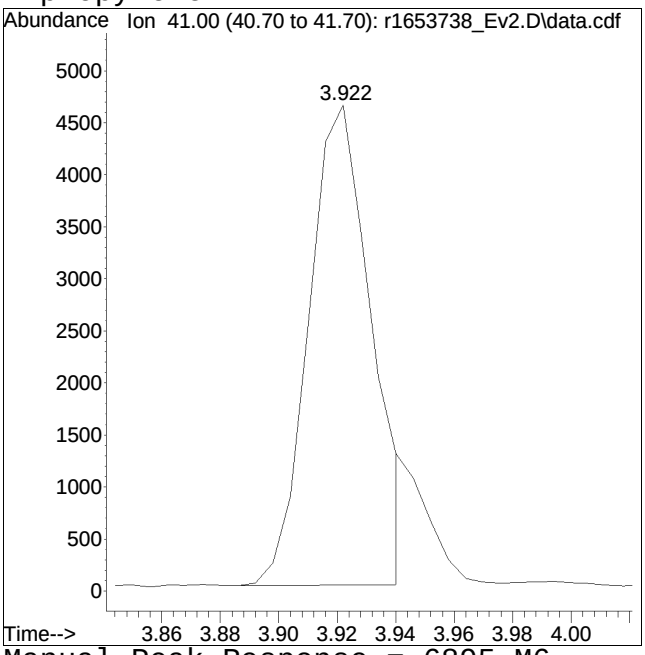
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653738_Ev2.D Operator : AIRLAB16:RAY
Date Inj'd : 1/20/2026 7:07 PM Instrument :
Sample : ITO15-LLSTD0.5 Quant Date : 1/21/2026 6:45 am

Compound #2: propylene



Original Peak Response = 7643



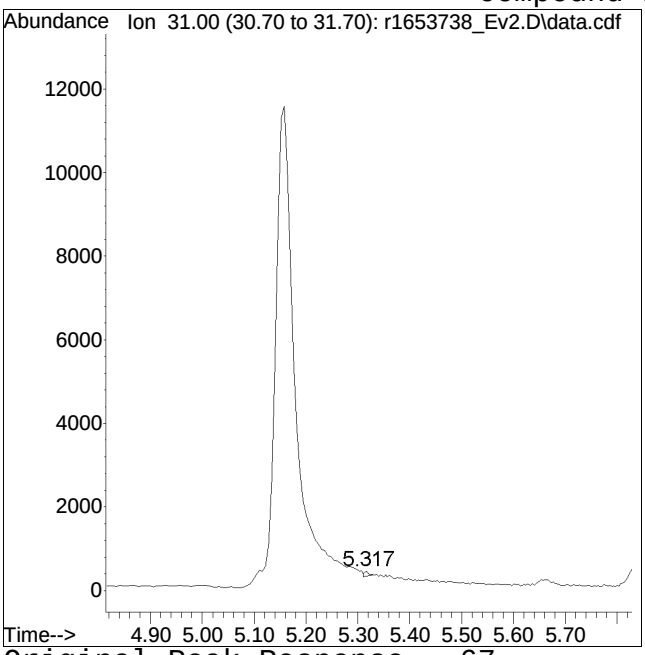
Manual Peak Response = 6895 M6

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

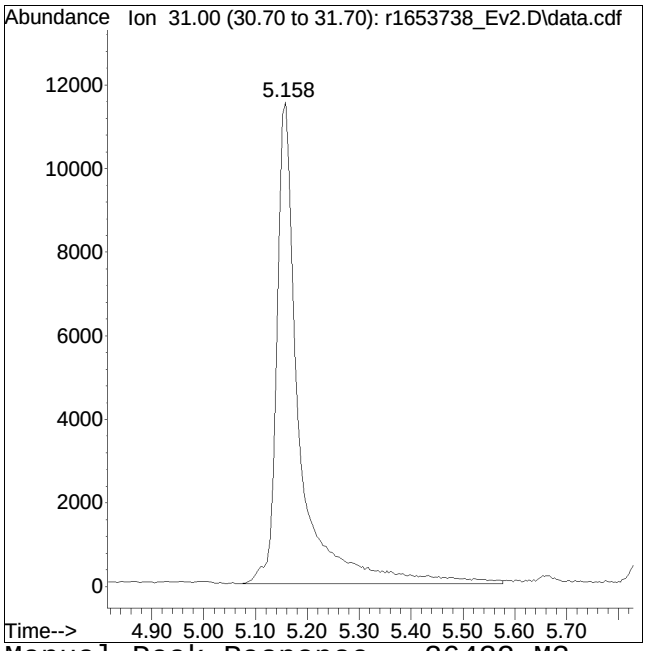
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653738_Ev2.D Operator : AIRLAB16:RAY
Date Inj'd : 1/20/2026 7:07 PM Instrument :
Sample : ITO15-LLSTD0.5 Quant Date : 1/21/2026 6:45 am

Compound #10: ethanol



Original Peak Response = 67



Manual Peak Response = 26432 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 : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653739_Ev2.D
Acq On : 20 Jan 2026 7:49 PM
Operator : AIRLAB16:RAY
Sample : ITO15-LLSTD1.0
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:45:20 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.058	49	238188	10.000	ppbV	0.00
Standard Area = 245998			Recovery = 96.83%			
33) 1,4-difluorobenzene	11.280	114	636582	10.000	ppbV	0.00
Standard Area = 657294			Recovery = 96.85%			
51) chlorobenzene-D5	15.958	54	83170	10.000	ppbV	0.00
Standard Area = 86828			Recovery = 95.79%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.925	65	118726	10.026	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.26%			
53) toluene-D8	14.108	98	495024	10.078	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.78%			
67) bromofluorobenzene	17.308	95	317819	9.694	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.94%			
Target Compounds						Qvalue
2) propylene	3.916	41	13474M6	1.136	ppbV	
3) dichlorodifluoromethane	3.994	85	31954	1.151	ppbV	100
4) chloromethane	4.156	50	18994	1.144	ppbV	99
5) Freon-114	4.270	85	39515	1.134	ppbV	98
6) vinyl chloride	4.384	62	15814	1.131	ppbV	99
7) 1,3-butadiene	4.528	54	13172	1.157	ppbV	94
8) bromomethane	4.810	94	12400	1.150	ppbV	99
9) chloroethane	4.996	64	6979	1.137	ppbV	98
10) ethanol	5.146	31	67586	5.220	ppbV	98
11) vinyl bromide	5.377	106	13462	1.244	ppbV	99
12) acrolein	5.517	56	7345	1.082	ppbV	96
13) acetone	5.653	43	105098	6.108	ppbV	98
14) trichlorofluoromethane	5.833	101	27641	1.146	ppbV	99
15) isopropyl alcohol	5.940	45	62149	3.106	ppbV	99
16) acrylonitrile	6.163	53	13814	0.973	ppbV	97
17) 1,1-dichloroethene	6.528	61	21023	1.144	ppbV	99
18) tertiary butyl alcohol	6.600	59	19320	0.966	ppbV	97
19) methylene chloride	6.666	49	22322	1.157	ppbV	98
20) 3-chloropropene	6.798	41	20462	1.170	ppbV	99
21) carbon disulfide	6.972	76	49482	1.204	ppbV #	93
22) Freon 113	6.966	101	31755	1.152	ppbV	100
23) trans-1,2-dichloroethene	7.708	61	19550	1.167	ppbV	97
24) 1,1-dichloroethane	7.933	63	25873	1.133	ppbV	99

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653739_Ev2.D
Acq On : 20 Jan 2026 7:49 PM
Operator : AIRLAB16:RAY
Sample : ITO15-LLSTD1.0
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:45:20 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	8.008	73	39529	1.176	ppbV		97
26) vinyl acetate	8.125	43	24302	0.972	ppbV		100
27) 2-butanone	8.383	43	32495	1.132	ppbV		98
28) cis-1,2-dichloroethene	8.875	61	19914	1.133	ppbV		100
29) Ethyl Acetate	9.150	61	3988	1.015	ppbV		63
30) chloroform	9.217	83	29384	1.140	ppbV		99
31) Tetrahydrofuran	9.658	42	17527	1.154	ppbV		98
32) 1,2-dichloroethane	10.050	62	15098	1.116	ppbV		99
34) hexane	9.125	57	32632	1.458	ppbV	#	68
36) 1,1,1-trichloroethane	10.333	97	20941	1.120	ppbV		100
37) benzene	10.860	78	61411	1.131	ppbV		100
38) carbon tetrachloride	11.027	117	18583	1.063	ppbV		98
39) cyclohexane	11.167	56	28849	1.190	ppbV		97
40) Dibromomethane	11.773	93	16352	1.083	ppbV	#	100
41) 1,2-dichloropropane	11.800	63	18249	1.111	ppbV		97
42) bromodichloromethane	12.027	83	25466	1.114	ppbV		100
43) 1,4-dioxane	12.073	88	11174	1.150	ppbV		95
44) trichloroethene	12.080	130	25689	1.175	ppbV		97
45) 2,2,4-trimethylpentane	12.120	57	86646	1.171	ppbV		99
46) heptane	12.433	43	35453	1.170	ppbV		99
47) cis-1,3-dichloropropene	13.083	75	24938	1.056	ppbV		98
48) 4-methyl-2-pentanone	13.125	43	39531	1.089	ppbV		99
49) trans-1,3-dichloropropene	13.708	75	16967	1.051	ppbV		97
50) 1,1,2-trichloroethane	13.908	97	19957	1.103	ppbV		98
52) toluene	14.217	91	61074	1.142	ppbV		100
54) 2-hexanone	14.508	43	34356	1.025	ppbV		97
55) dibromochloromethane	14.667	129	21501	1.040	ppbV		100
56) 1,2-dibromoethane	14.917	107	31663	1.102	ppbV		99
57) tetrachloroethene	15.375	166	24591	1.139	ppbV		99
58) 1,1,1,2-tetrachloroethane	15.983	131	18042	0.973	ppbV		100
59) chlorobenzene	16.000	112	55699	1.121	ppbV		100
60) ethylbenzene	16.333	91	74002	1.093	ppbV		99
61) m+p-xylene	16.500	91	117286	2.185	ppbV		99
62) bromoform	16.567	173	13083	0.929	ppbV		99
63) styrene	16.817	104	53154	1.073	ppbV		98
64) 1,1,2,2-tetrachloroethane	16.908	83	40993	1.048	ppbV		100
65) o-xylene	16.908	91	59623	1.093	ppbV		99
66) 1,2,3-Trichloropropane	17.025	75	34607	1.023	ppbV		100
68) isopropylbenzene	17.425	105	90342	1.043	ppbV		99
69) Bromobenzene	17.500	77	45314	1.032	ppbV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653739_Ev2.D
Acq On : 20 Jan 2026 7:49 PM
Operator : AIRLAB16:RAY
Sample : ITO15-LLSTD1.0
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:45:20 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

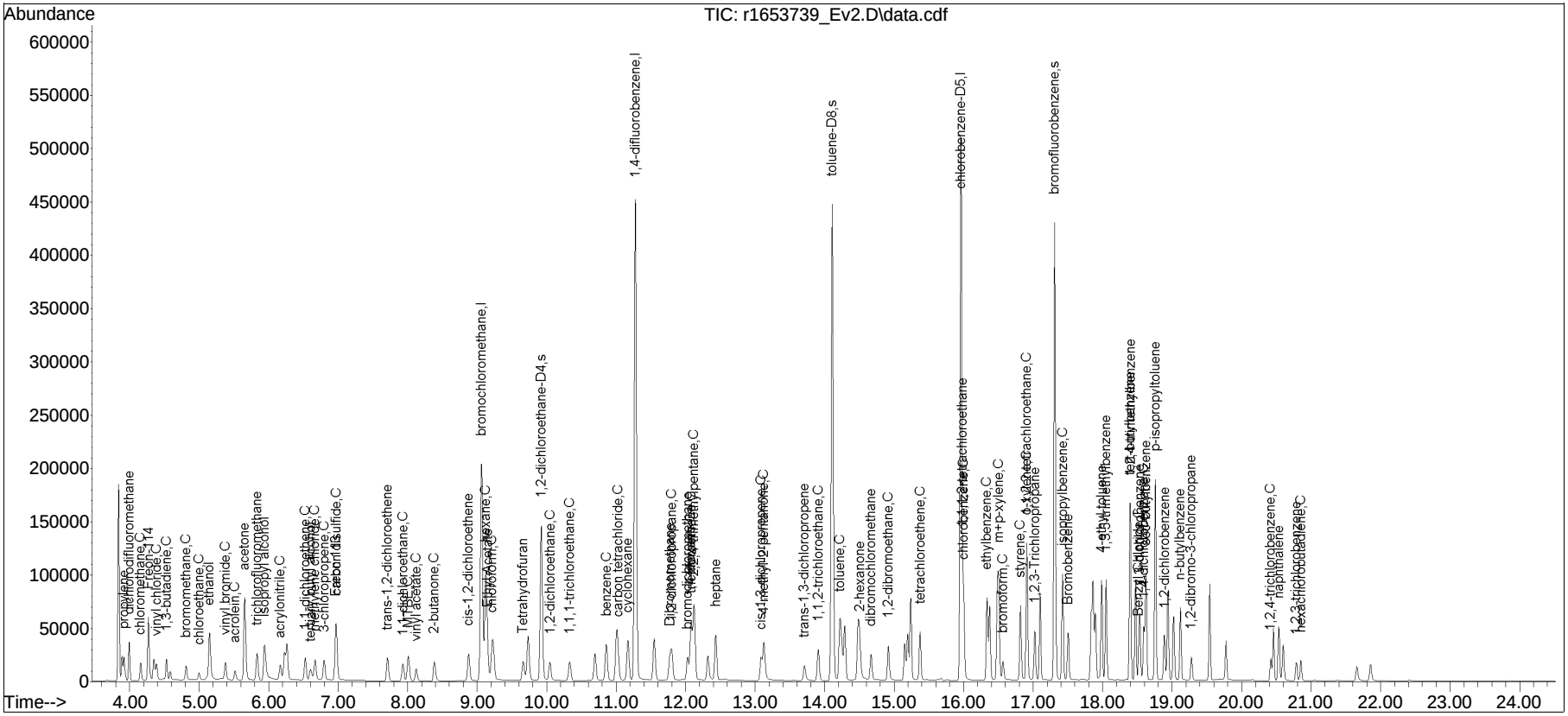
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.983	105	84108	1.065	ppbV	98
71) 1,3,5-trimethylbenzene	18.050	105	72543	1.050	ppbV	97
72) tert-butylbenzene	18.392	119	71043	1.001	ppbV	100
73) 1,2,4-trimethylbenzene	18.400	105	71974	1.020	ppbV	94
74) Benzyl Chloride	18.517	91	26994	0.780	ppbV	97
75) 1,3-dichlorobenzene	18.533	146	48250	1.006	ppbV	95
76) 1,4-dichlorobenzene	18.592	146	47743	0.986	ppbV	96
77) sec-butylbenzene	18.625	105	107263	0.984	ppbV	95
78) p-isopropyltoluene	18.758	119	85286	0.954	ppbV	97
79) 1,2-dichlorobenzene	18.892	146	44097	0.980	ppbV	95
80) n-butylbenzene	19.117	91	70424	0.926	ppbV	96
81) 1,2-dibromo-3-chloropr...	19.275	75	12066	0.698	ppbV	94
82) 1,2,4-trichlorobenzene	20.417	180	21565	0.717	ppbV	99
83) naphthalene	20.533	128	79364	0.711	ppbV	100
84) 1,2,3-trichlorobenzene	20.783	180	18859	0.593	ppbV	100
85) hexachlorobutadiene	20.850	225	14606	0.644	ppbV	96

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

Sub List : Default - All compounds listed1\0120SIM_I\r1653740_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653739_Ev2.D
Acq On : 20 Jan 2026 7:49 PM
Operator : AIRLAB16:RAY
Sample : ITO15-LLSTD1.0
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

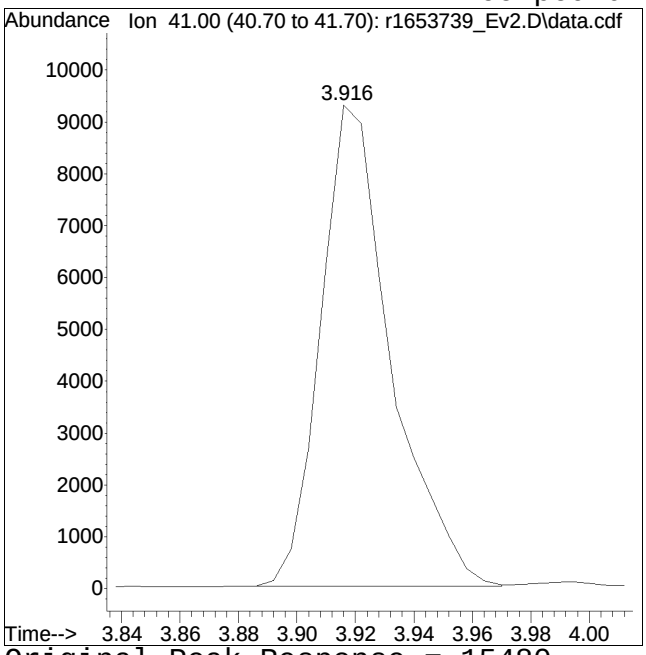
Quant Time: Jan 21 06:45:20 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration



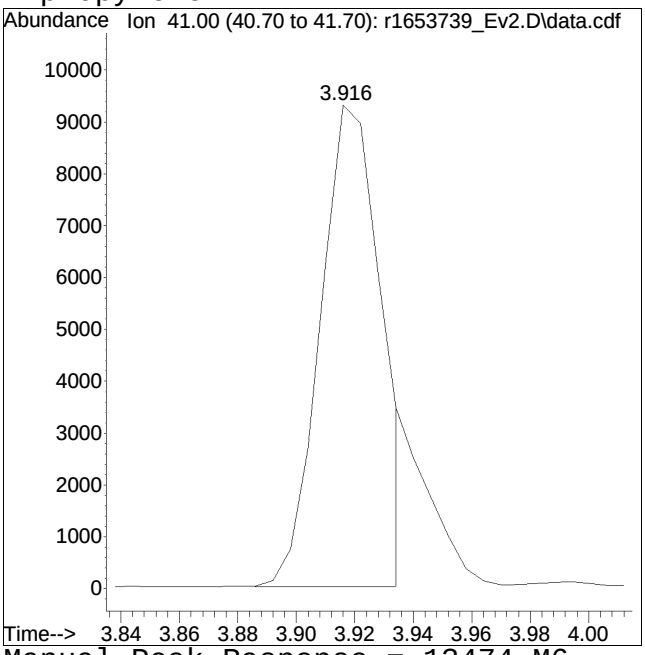
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653739_Ev2.D Operator : AIRLAB16:RAY
Date Inj'd : 1/20/2026 7:49 PM Instrument :
Sample : ITO15-LLSTD1.0 Quant Date : 1/21/2026 6:45 am

Compound #2: propylene



Original Peak Response = 15480



Manual Peak Response = 13474 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653740_Ev2.D
Acq On : 20 Jan 2026 8:29 PM
Operator : AIRLAB16:RAY
Sample : ITO15-LLSTD5.0
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:42:22 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Jan 18 11:16:58 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.067	49	245998	10.000	ppbV	-0.03
Standard Area = 245998			Recovery = 100.00%			
33) 1,4-difluorobenzene	11.280	114	657294	10.000	ppbV	-0.03
Standard Area = 657294			Recovery = 100.00%			
51) chlorobenzene-D5	15.958	54	86828	10.000	ppbV	-0.02
Standard Area = 86828			Recovery = 100.00%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.925	65	122272	9.274	ppbV	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.74%			
53) toluene-D8	14.108	98	512793	12.024	ppbV	-0.03
Spiked Amount 10.000	Range 70 - 130		Recovery = 120.24%			
67) bromofluorobenzene	17.308	95	342257	12.375	ppbV	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 123.75%			
Target Compounds						Qvalue
2) propylene	3.922	41	61241M6	4.251	ppbV	
3) dichlorodifluoromethane	3.994	85	143423	3.947	ppbV	98
4) chloromethane	4.162	50	85753	5.020	ppbV	99
5) Freon-114	4.270	85	179913	4.543	ppbV	93
6) vinyl chloride	4.390	62	72191	3.732	ppbV	100
7) 1,3-butadiene	4.534	54	58793	4.722	ppbV #	76
8) bromomethane	4.816	94	55697	3.800	ppbV	98
9) chloroethane	5.002	64	31698	3.610	ppbV #	88
10) ethanol	5.158	31	334290	23.061	ppbV	95
11) vinyl bromide	5.383	106	55888	3.991	ppbV	97
12) acrolein	5.513	56	35067	3.544	ppbV	97
13) acetone	5.653	43	444254	22.140	ppbV #	85
14) trichlorofluoromethane	5.840	101	124509	3.918	ppbV	98
15) isopropyl alcohol	5.943	45	258320	8.975	ppbV #	95
16) acrylonitrile	6.170	53	73340	4.444	ppbV	98
17) 1,1-dichloroethene	6.534	61	94904	3.505	ppbV	93
18) tertiary butyl alcohol	6.594	59	103310	2.819	ppbV #	90
19) methylene chloride	6.678	49	99668	4.876	ppbV	86
20) 3-chloropropene	6.804	41	90328	4.356	ppbV	94
21) carbon disulfide	6.972	76	212189	4.616	ppbV	99
22) Freon 113	6.972	101	142299	4.138	ppbV	97
23) trans-1,2-dichloroethene	7.717	61	86493	3.496	ppbV	94
24) 1,1-dichloroethane	7.942	63	117883	3.645	ppbV	96

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653740_Ev2.D
Acq On : 20 Jan 2026 8:29 PM
Operator : AIRLAB16:RAY
Sample : ITO15-LLSTD5.0
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:42:22 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Jan 18 11:16:58 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	8.008	73	173640	4.251	ppbV	#	90
26) vinyl acetate	8.125	43	129151	3.850	ppbV		95
27) 2-butanone	8.375	43	148239	4.772	ppbV	#	96
28) cis-1,2-dichloroethene	8.883	61	90771	3.553	ppbV		93
29) Ethyl Acetate	9.142	61	20299	3.402	ppbV	#	28
30) chloroform	9.225	83	133103	3.852	ppbV		96
31) Tetrahydrofuran	9.650	42	78404	4.635	ppbV		99
32) 1,2-dichloroethane	10.050	62	69838	3.653	ppbV	#	90
34) hexane	9.125	57	115534	3.554	ppbV	#	74
36) 1,1,1-trichloroethane	10.333	97	96543	3.997	ppbV		99
37) benzene	10.860	78	280230	5.010	ppbV		97
38) carbon tetrachloride	11.033	117	90210	3.724	ppbV		99
39) cyclohexane	11.173	56	125134	3.968	ppbV	#	90
40) Dibromomethane	11.767	93	77973	4.350	ppbV	#	94
41) 1,2-dichloropropane	11.800	63	84778	4.234	ppbV		98
42) bromodichloromethane	12.027	83	117982	4.064	ppbV		97
43) 1,4-dioxane	12.067	88	50144	4.140	ppbV		95
44) trichloroethene	12.080	130	112829	4.344	ppbV		93
45) 2,2,4-trimethylpentane	12.120	57	382148	4.004	ppbV	#	91
46) heptane	12.433	43	156395	5.415	ppbV	#	81
47) cis-1,3-dichloropropene	13.083	75	121879	5.411	ppbV		95
48) 4-methyl-2-pentanone	13.117	43	187376	5.586	ppbV	#	84
49) trans-1,3-dichloropropene	13.708	75	83327	5.756	ppbV		95
50) 1,1,2-trichloroethane	13.908	97	93409	4.809	ppbV		91
52) toluene	14.217	91	279279	5.014	ppbV		100
54) 2-hexanone	14.492	43	175039	7.268	ppbV	#	80
55) dibromochloromethane	14.667	129	107918	4.541	ppbV		99
56) 1,2-dibromoethane	14.917	107	149960	6.345	ppbV		98
57) tetrachloroethene	15.375	166	112744	5.029	ppbV		96
58) 1,1,1,2-tetrachloroethane	15.983	131	96758	4.699	ppbV		98
59) chlorobenzene	16.000	112	259416	5.588	ppbV		97
60) ethylbenzene	16.333	91	353543	5.153	ppbV		92
61) m+p-xylene	16.492	91	560417	10.404	ppbV		89
62) bromoform	16.567	173	73535	4.512	ppbV		99
63) styrene	16.817	104	258664	6.637	ppbV		93
64) 1,1,2,2-tetrachloroethane	16.908	83	204207	4.898	ppbV		100
65) o-xylene	16.908	91	284865	5.200	ppbV		93
66) 1,2,3-Trichloropropane	17.017	75	176589	6.064	ppbV		98
68) isopropylbenzene	17.417	105	451925	6.150	ppbV		91
69) Bromobenzene	17.500	77	229265	5.718	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653740_Ev2.D
Acq On : 20 Jan 2026 8:29 PM
Operator : AIRLAB16:RAY
Sample : ITO15-LLSTD5.0
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:42:22 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Jan 18 11:16:58 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

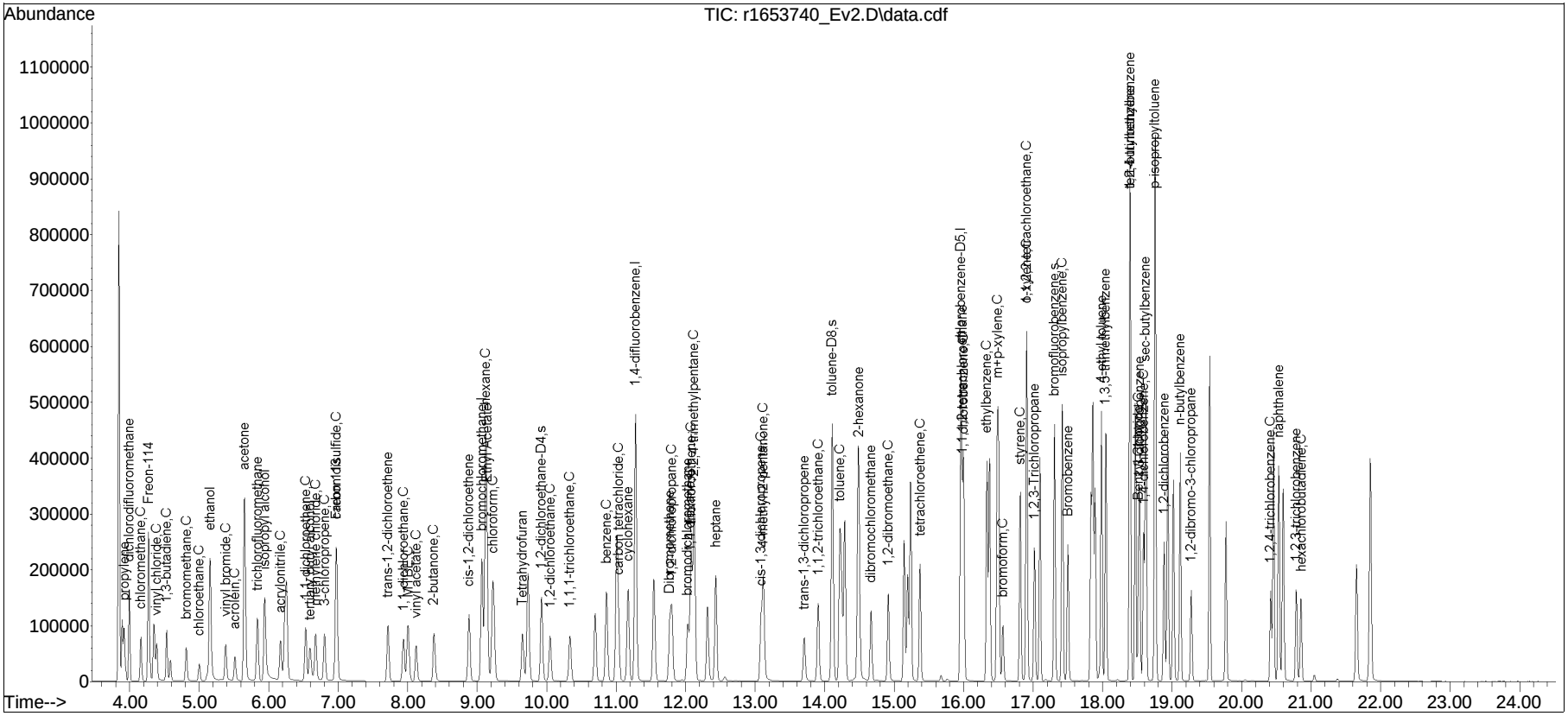
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.983	105	412141	5.890	ppbV	93
71) 1,3,5-trimethylbenzene	18.042	105	360707	5.837	ppbV	90
72) tert-butylbenzene	18.392	119	370452	5.438	ppbV	93
73) 1,2,4-trimethylbenzene	18.392	105	368197	5.929	ppbV	94
74) Benzyl Chloride	18.517	91	180572	4.698	ppbV	96
75) 1,3-dichlorobenzene	18.533	146	250379	6.119	ppbV	92
76) 1,4-dichlorobenzene	18.592	146	252845	6.203	ppbV	92
77) sec-butylbenzene	18.617	105	568830	6.274	ppbV	99
78) p-isopropyltoluene	18.750	119	466582	5.580	ppbV	93
79) 1,2-dichlorobenzene	18.883	146	234883	5.867	ppbV	99
80) n-butylbenzene	19.117	91	396902	6.459	ppbV	99
81) 1,2-dibromo-3-chloropr...	19.275	75	90220	5.965	ppbV	91
82) 1,2,4-trichlorobenzene	20.417	180	157070	7.725	ppbV	99
83) naphthalene	20.533	128	582372	6.952	ppbV	98
84) 1,2,3-trichlorobenzene	20.783	180	165880	7.875	ppbV	99
85) hexachlorobutadiene	20.858	225	118375	6.496	ppbV	95

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

Sub List : Default - All compounds listed1\0120SIM_I\r1653740_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653740_Ev2.D
Acq On : 20 Jan 2026 8:29 PM
Operator : AIRLAB16:RAY
Sample : ITO15-LLSTD5.0
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

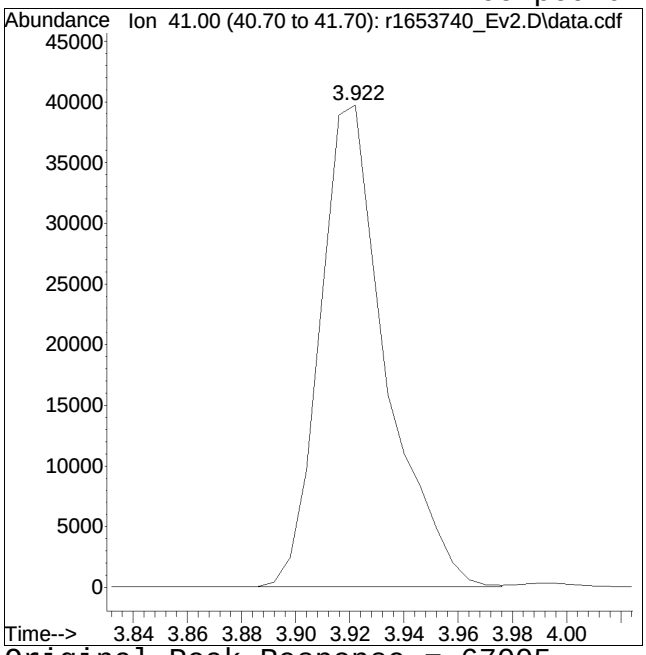
Quant Time: Jan 21 06:42:22 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Jan 18 11:16:58 2026
Response via : Initial Calibration



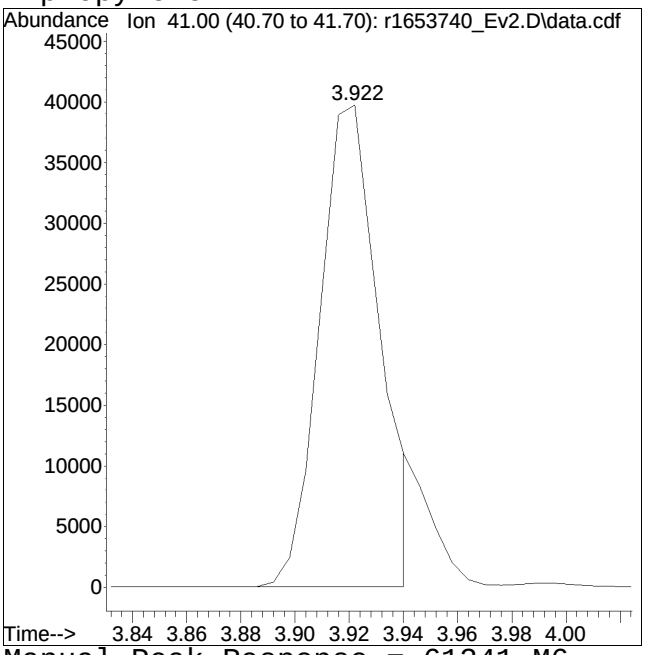
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653740_Ev2.D Operator : AIRLAB16:RAY
Date Inj'd : 1/20/2026 8:29 PM Instrument :
Sample : ITO15-LLSTD5.0 Quant Date : 1/21/2026 6:42 am

Compound #2: propylene



Original Peak Response = 67005



Manual Peak Response = 61241 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653741_Ev2.D
Acq On : 20 Jan 2026 9:11 PM
Operator : AIRLAB16:RAY
Sample : ITO15-LLSTD010
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:45:30 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.067	49	245985	10.000	ppbV	0.00
Standard Area = 245998			Recovery = 99.99%			
33) 1,4-difluorobenzene	11.273	114	654299	10.000	ppbV	0.00
Standard Area = 657294			Recovery = 99.54%			
51) chlorobenzene-D5	15.958	54	87232	10.000	ppbV	0.00
Standard Area = 86828			Recovery = 100.47%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.925	65	122097	10.031	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.31%			
53) toluene-D8	14.108	98	514079	9.979	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.79%			
67) bromofluorobenzene	17.308	95	340793	9.911	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.11%			
Target Compounds						Qvalue
2) propylene	3.910	41	117192M6	9.569	ppbV	
3) dichlorodifluoromethane	3.988	85	290211	10.118	ppbV	100
4) chloromethane	4.156	50	176998	10.321	ppbV	99
5) Freon-114	4.264	85	366092	10.175	ppbV	100
6) vinyl chloride	4.384	62	147652	10.227	ppbV	99
7) 1,3-butadiene	4.528	54	119868	10.195	ppbV	100
8) bromomethane	4.810	94	114864	10.312	ppbV	100
9) chloroethane	4.996	64	66163	10.437	ppbV	98
10) ethanol	5.152	31	617902	46.212	ppbV	100
11) vinyl bromide	5.377	106	117402	10.504	ppbV	100
12) acrolein	5.507	56	77733	11.084	ppbV	96
13) acetone	5.647	43	905521	50.960	ppbV	99
14) trichlorofluoromethane	5.833	101	252627	10.145	ppbV	99
15) isopropyl alcohol	5.937	45	574069	27.780	ppbV	100
16) acrylonitrile	6.167	53	148133	10.100	ppbV	99
17) 1,1-dichloroethene	6.528	61	201148	10.598	ppbV	99
18) tertiary butyl alcohol	6.588	59	233486	11.301	ppbV	100
19) methylene chloride	6.672	49	203604	10.215	ppbV	99
20) 3-chloropropene	6.798	41	187276	10.367	ppbV	99
21) carbon disulfide	6.972	76	435780	10.269	ppbV	98
22) Freon 113	6.966	101	288942	10.153	ppbV	99
23) trans-1,2-dichloroethene	7.708	61	178835	10.339	ppbV	95
24) 1,1-dichloroethane	7.933	63	241060	10.225	ppbV	99

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653741_Ev2.D
Acq On : 20 Jan 2026 9:11 PM
Operator : AIRLAB16:RAY
Sample : ITO15-LLSTD010
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:45:30 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	8.000	73	354734	10.215	ppbV		99
26) vinyl acetate	8.117	43	304276	11.780	ppbV		99
27) 2-butanone	8.375	43	305767	10.314	ppbV		97
28) cis-1,2-dichloroethene	8.883	61	187196	10.312	ppbV		97
29) Ethyl Acetate	9.142	61	44069	10.856	ppbV		66
30) chloroform	9.217	83	272675	10.244	ppbV		98
31) Tetrahydrofuran	9.642	42	160669	10.247	ppbV		98
32) 1,2-dichloroethane	10.050	62	142896	10.231	ppbV		100
34) hexane	9.125	57	238032	10.349	ppbV		86
36) 1,1,1-trichloroethane	10.333	97	201879	10.503	ppbV		98
37) benzene	10.860	78	573438	10.278	ppbV		100
38) carbon tetrachloride	11.027	117	200369	11.157	ppbV		98
39) cyclohexane	11.167	56	256934	10.313	ppbV		99
40) Dibromomethane	11.767	93	159046	10.245	ppbV	#	99
41) 1,2-dichloropropane	11.800	63	172648	10.229	ppbV		99
42) bromodichloromethane	12.027	83	249842	10.637	ppbV		100
43) 1,4-dioxane	12.060	88	104763	10.494	ppbV		100
44) trichloroethene	12.080	130	229439	10.214	ppbV		99
45) 2,2,4-trimethylpentane	12.120	57	764878	10.053	ppbV		99
46) heptane	12.433	43	320375	10.289	ppbV		99
47) cis-1,3-dichloropropene	13.083	75	255375	10.525	ppbV		99
48) 4-methyl-2-pentanone	13.108	43	386584	10.363	ppbV		99
49) trans-1,3-dichloropropene	13.700	75	178134	10.738	ppbV		99
50) 1,1,2-trichloroethane	13.900	97	190188	10.227	ppbV		97
52) toluene	14.217	91	570308	10.163	ppbV		100
54) 2-hexanone	14.492	43	357229	10.157	ppbV		98
55) dibromochloromethane	14.667	129	241842	11.153	ppbV		100
56) 1,2-dibromoethane	14.917	107	307428	10.203	ppbV		100
57) tetrachloroethene	15.367	166	232084	10.245	ppbV		97
58) 1,1,1,2-tetrachloroethane	15.983	131	212959	10.954	ppbV		99
59) chlorobenzene	16.000	112	534947	10.263	ppbV		99
60) ethylbenzene	16.333	91	729177	10.265	ppbV		100
61) m+p-xylene	16.492	91	1151363	20.450	ppbV		100
62) bromoform	16.567	173	174729	11.826	ppbV		100
63) styrene	16.817	104	536031	10.314	ppbV		99
64) 1,1,2,2-tetrachloroethane	16.908	83	425780	10.377	ppbV		99
65) o-xylene	16.908	91	581459	10.159	ppbV		99
66) 1,2,3-Trichloropropane	17.017	75	364528	10.274	ppbV		100
68) isopropylbenzene	17.425	105	922738	10.162	ppbV		97
69) Bromobenzene	17.500	77	476138	10.336	ppbV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653741_Ev2.D
Acq On : 20 Jan 2026 9:11 PM
Operator : AIRLAB16:RAY
Sample : ITO15-LLSTD010
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:45:30 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

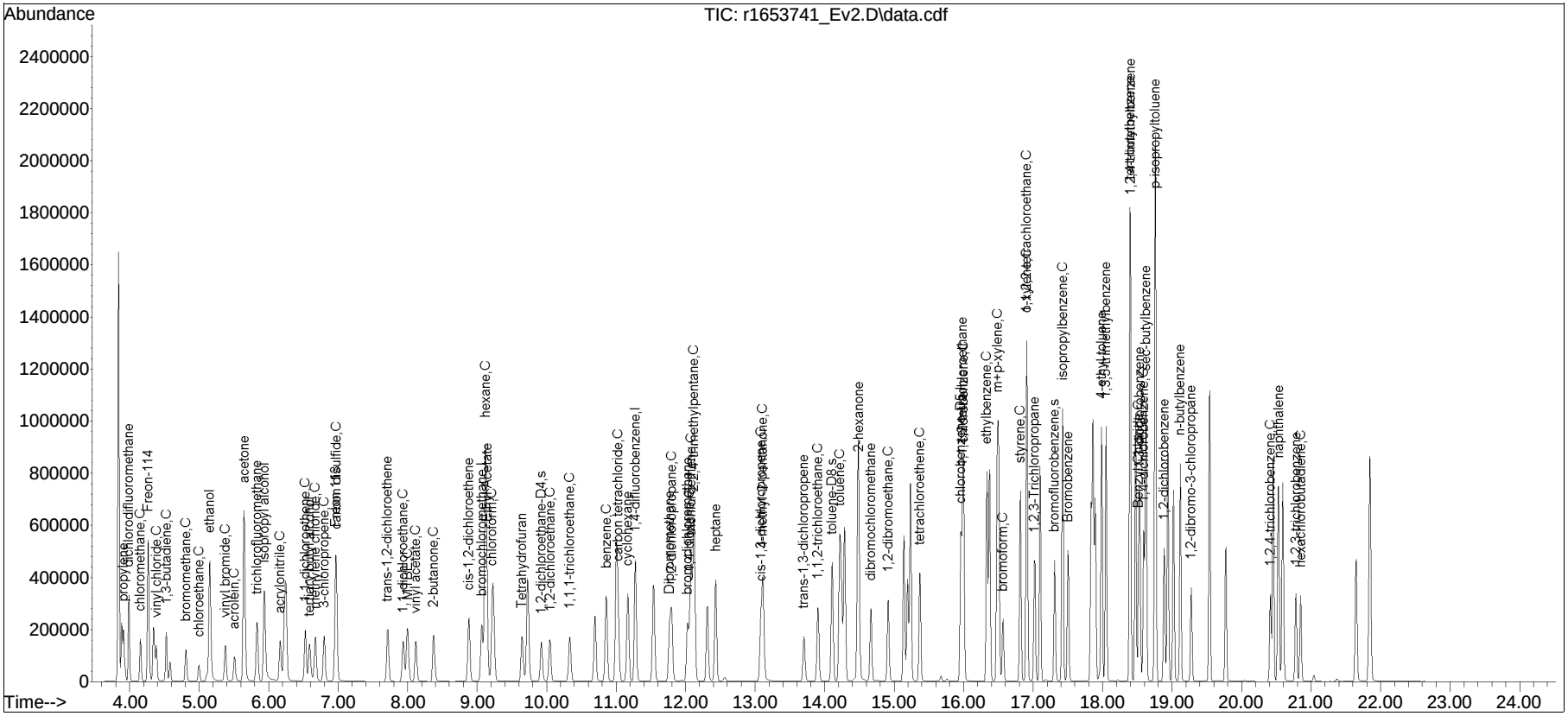
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.983	105	842138	10.169	ppbV	99
71) 1,3,5-trimethylbenzene	18.050	105	733360	10.119	ppbV	97
72) tert-butylbenzene	18.392	119	760026	10.211	ppbV	99
73) 1,2,4-trimethylbenzene	18.400	105	758537	10.253	ppbV	93
74) Benzyl Chloride	18.517	91	428993	11.824	ppbV	99
75) 1,3-dichlorobenzene	18.533	146	528760	10.510	ppbV	97
76) 1,4-dichlorobenzene	18.592	146	515009	10.137	ppbV	97
77) sec-butylbenzene	18.625	105	1165677	10.199	ppbV	95
78) p-isopropyltoluene	18.758	119	956882	10.207	ppbV	98
79) 1,2-dichlorobenzene	18.883	146	484599	10.268	ppbV	99
80) n-butylbenzene	19.117	91	805455	10.100	ppbV	99
81) 1,2-dibromo-3-chloropr...	19.275	75	199562	11.009	ppbV	97
82) 1,2,4-trichlorobenzene	20.417	180	329928	10.454	ppbV	98
83) naphthalene	20.533	128	1201164	10.265	ppbV	100
84) 1,2,3-trichlorobenzene	20.783	180	347458	10.425	ppbV	98
85) hexachlorobutadiene	20.850	225	246583	10.367	ppbV	98

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

Sub List : Default - All compounds listed1\0120SIM_I\r1653740_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653741_Ev2.D
Acq On : 20 Jan 2026 9:11 PM
Operator : AIRLAB16:RAY
Sample : ITO15-LLSTD010
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

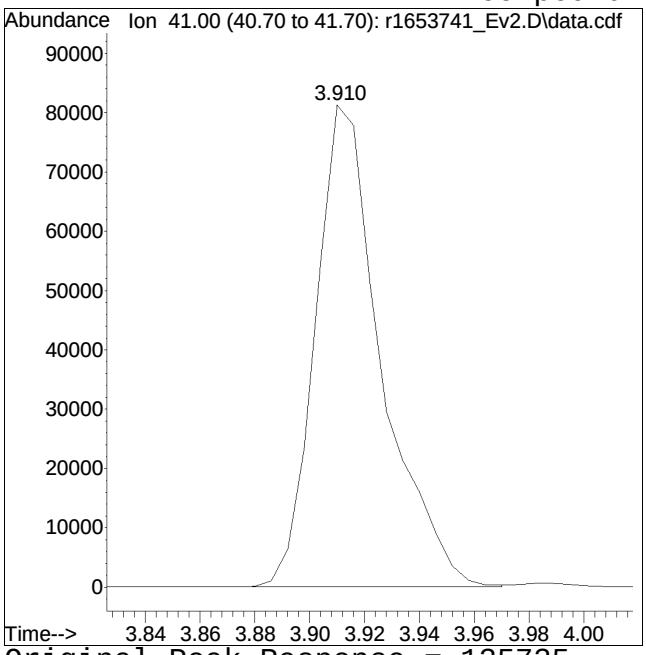
Quant Time: Jan 21 06:45:30 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration



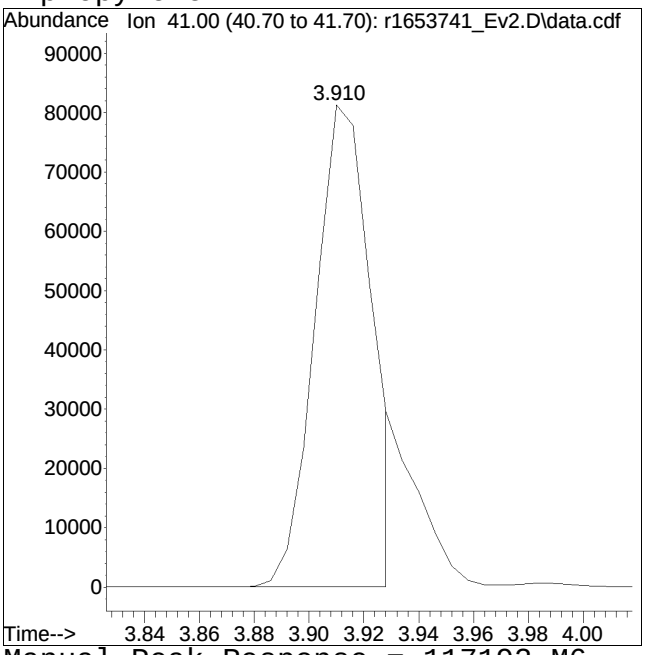
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653741_Ev2.D Operator : AIRLAB16:RAY
Date Inj'd : 1/20/2026 9:11 PM Instrument :
Sample : ITO15-LLSTD010 Quant Date : 1/21/2026 6:45 am

Compound #2: propylene



Original Peak Response = 135735



Manual Peak Response = 117192 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653742_Ev2.D
Acq On : 20 Jan 2026 9:50 PM
Operator : AIRLAB16:RAY
Sample : ITO15-LLSTD020
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:45:40 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.067	49	244392	10.000	ppbV	0.00
Standard Area = 245998			Recovery = 99.35%			
33) 1,4-difluorobenzene	11.280	114	648932	10.000	ppbV	0.00
Standard Area = 657294			Recovery = 98.73%			
51) chlorobenzene-D5	15.958	54	87530	10.000	ppbV	0.00
Standard Area = 86828			Recovery = 100.81%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.925	65	116197	9.626	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.26%			
53) toluene-D8	14.108	98	490752	9.493	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.93%			
67) bromofluorobenzene	17.300	95	326658	9.468	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.68%			
Target Compounds						Qvalue
2) propylene	3.916	41	221467M6	18.200	ppbV	
3) dichlorodifluoromethane	3.994	85	513733	18.027	ppbV	99
4) chloromethane	4.156	50	299307	17.566	ppbV	100
5) Freon-114	4.270	85	631485	17.665	ppbV	96
6) vinyl chloride	4.384	62	260909	18.189	ppbV	100
7) 1,3-butadiene	4.528	54	219167	18.761	ppbV	96
8) bromomethane	4.810	94	205760	18.593	ppbV	100
9) chloroethane	5.002	64	116349	18.473	ppbV	98
10) ethanol	5.152	31	1089623	82.023	ppbV	98
11) vinyl bromide	5.380	106	241183	21.719	ppbV	99
12) acrolein	5.510	56	138529	19.882	ppbV	98
13) acetone	5.647	43	1629510	92.302	ppbV	96
14) trichlorofluoromethane	5.837	101	440449	17.804	ppbV	100
15) isopropyl alcohol	5.940	45	1108394	53.987	ppbV	99
16) acrylonitrile	6.167	53	268620	18.434	ppbV	99
17) 1,1-dichloroethene	6.528	61	343274	18.204	ppbV	98
18) tertiary butyl alcohol	6.588	59	454399	22.137	ppbV	99
19) methylene chloride	6.672	49	359431	18.150	ppbV	99
20) 3-chloropropene	6.798	41	343578	19.143	ppbV	100
21) carbon disulfide	6.972	76	802157	19.026	ppbV	98
22) Freon 113	6.972	101	505062	17.863	ppbV	99
23) trans-1,2-dichloroethene	7.717	61	332409	19.342	ppbV	99
24) 1,1-dichloroethane	7.942	63	425075	18.148	ppbV	100

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653742_Ev2.D
Acq On : 20 Jan 2026 9:50 PM
Operator : AIRLAB16:RAY
Sample : ITO15-LLSTD020
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:45:40 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	7.992	73	650942	18.867	ppbV		96
26) vinyl acetate	8.117	43	610140	23.776	ppbV		100
27) 2-butanone	8.367	43	557063	18.913	ppbV		100
28) cis-1,2-dichloroethene	8.883	61	331795	18.397	ppbV		98
29) Ethyl Acetate	9.142	61	84632	20.983	ppbV		59
30) chloroform	9.217	83	483574	18.285	ppbV		99
31) Tetrahydrofuran	9.642	42	294162	18.883	ppbV		99
32) 1,2-dichloroethane	10.050	62	251771	18.144	ppbV		100
34) hexane	9.125	57	437412	19.174	ppbV		92
36) 1,1,1-trichloroethane	10.333	97	359471	18.857	ppbV		99
37) benzene	10.860	78	1016318	18.367	ppbV		100
38) carbon tetrachloride	11.027	117	375850	21.100	ppbV		97
39) cyclohexane	11.167	56	476347	19.279	ppbV		98
40) Dibromomethane	11.767	93	276718	17.973	ppbV	#	99
41) 1,2-dichloropropane	11.800	63	306604	18.316	ppbV		99
42) bromodichloromethane	12.027	83	472815	20.296	ppbV		99
43) 1,4-dioxane	12.053	88	195733	19.769	ppbV		98
44) trichloroethene	12.080	130	402965	18.087	ppbV		98
45) 2,2,4-trimethylpentane	12.120	57	1403890	18.605	ppbV		99
46) heptane	12.433	43	578639	18.738	ppbV		97
47) cis-1,3-dichloropropene	13.083	75	470664	19.557	ppbV		99
48) 4-methyl-2-pentanone	13.108	43	700221	18.926	ppbV		98
49) trans-1,3-dichloropropene	13.700	75	339824	20.654	ppbV		99
50) 1,1,2-trichloroethane	13.900	97	337578	18.303	ppbV		97
52) toluene	14.217	91	1007435	17.892	ppbV		100
54) 2-hexanone	14.492	43	658123	18.649	ppbV		97
55) dibromochloromethane	14.667	129	468344	21.525	ppbV		99
56) 1,2-dibromoethane	14.917	107	552431	18.272	ppbV		100
57) tetrachloroethene	15.367	166	408727	17.981	ppbV		98
58) 1,1,1,2-tetrachloroethane	15.983	131	375058	19.226	ppbV		99
59) chlorobenzene	16.000	112	944621	18.061	ppbV		99
60) ethylbenzene	16.333	91	1271413	17.837	ppbV		99
61) m+p-xylene	16.492	91	2007944	35.542	ppbV		99
62) bromoform	16.558	173	349940	23.603	ppbV		99
63) styrene	16.808	104	952727	18.269	ppbV		97
64) 1,1,2,2-tetrachloroethane	16.900	83	784848	19.063	ppbV		99
65) o-xylene	16.900	91	1005921	17.514	ppbV		99
66) 1,2,3-Trichloropropane	17.017	75	629765	17.688	ppbV		99
68) isopropylbenzene	17.417	105	1559257	17.113	ppbV		96
69) Bromobenzene	17.492	77	821349	17.769	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653742_Ev2.D
Acq On : 20 Jan 2026 9:50 PM
Operator : AIRLAB16:RAY
Sample : ITO15-LLSTD020
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:45:40 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

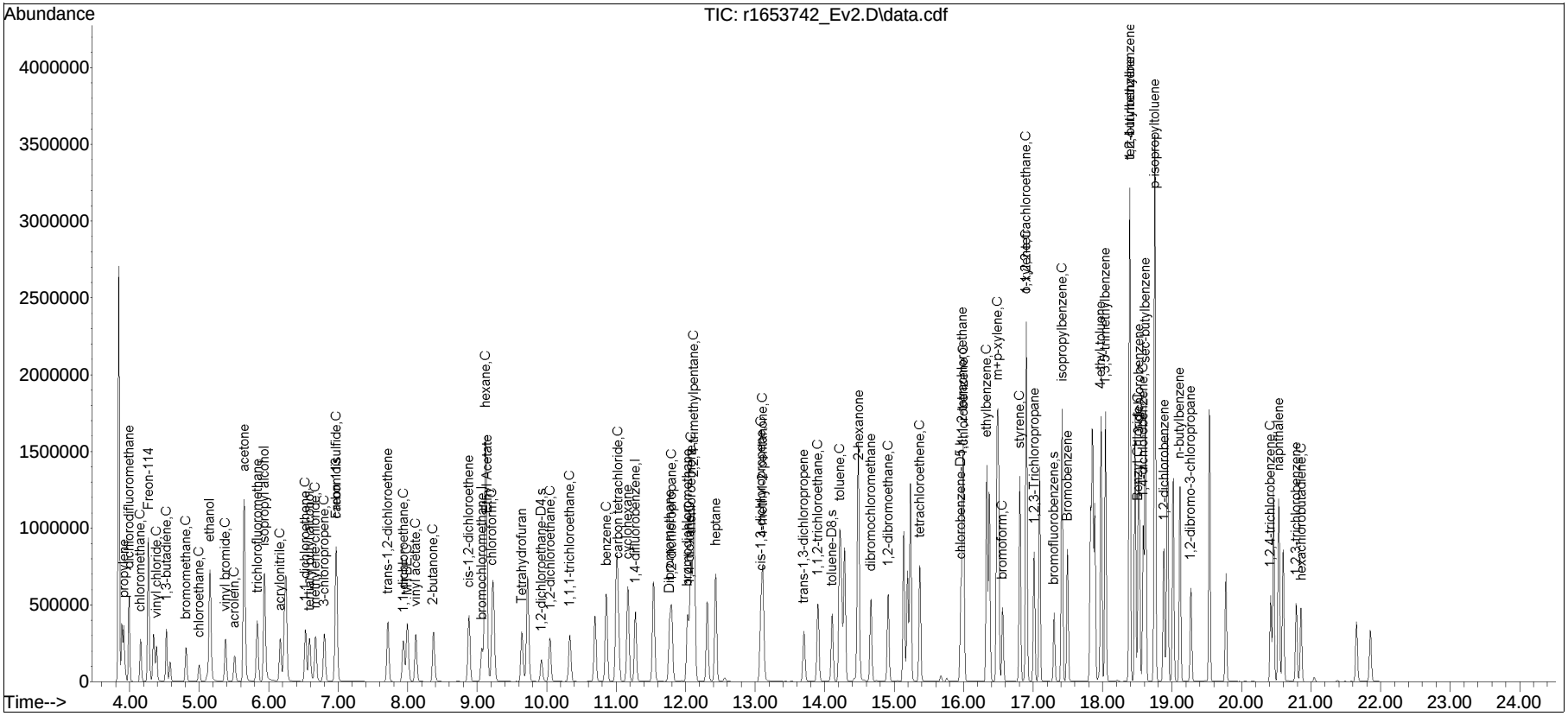
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.975	105	1507742	18.145	ppbV	100
71) 1,3,5-trimethylbenzene	18.042	105	1282952	17.641	ppbV	96
72) tert-butylbenzene	18.392	119	1299792	17.403	ppbV	99
73) 1,2,4-trimethylbenzene	18.392	105	1317725	17.751	ppbV	92
74) Benzyl Chloride	18.508	91	866635	23.804	ppbV	99
75) 1,3-dichlorobenzene	18.525	146	930695	18.437	ppbV	94
76) 1,4-dichlorobenzene	18.583	146	918396	18.016	ppbV	94
77) sec-butylbenzene	18.617	105	1961799	17.106	ppbV	97
78) p-isopropyltoluene	18.750	119	1613047	17.147	ppbV	100
79) 1,2-dichlorobenzene	18.883	146	858621	18.131	ppbV	96
80) n-butylbenzene	19.108	91	1316677	16.454	ppbV	97
81) 1,2-dibromo-3-chloropr...	19.267	75	354213	19.473	ppbV	96
82) 1,2,4-trichlorobenzene	20.417	180	543261	17.155	ppbV	99
83) naphthalene	20.533	128	1800624	15.335	ppbV	99
84) 1,2,3-trichlorobenzene	20.783	180	512435	15.322	ppbV	100
85) hexachlorobutadiene	20.858	225	381465	15.983	ppbV	98

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

Sub List : Default - All compounds listed1\0120SIM_I\r1653740_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653742_Ev2.D
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Operator : AIRLAB16:RAY
Sample : ITO15-LLSTD020
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

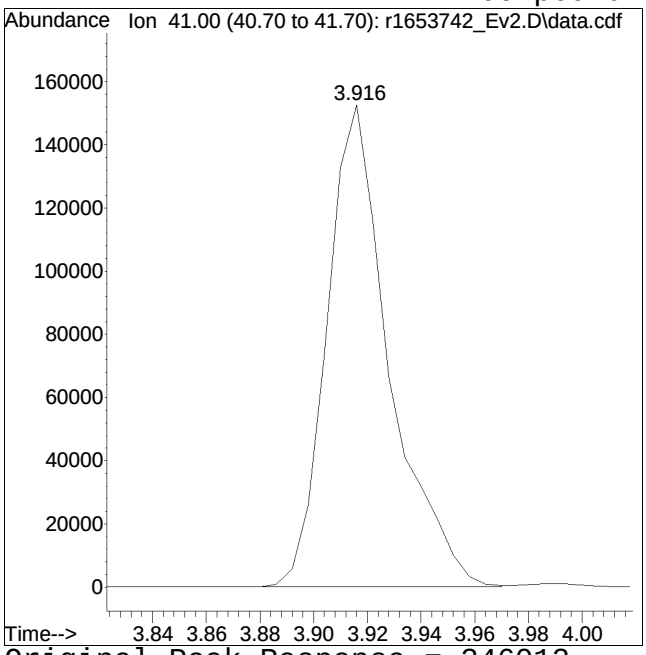
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Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration



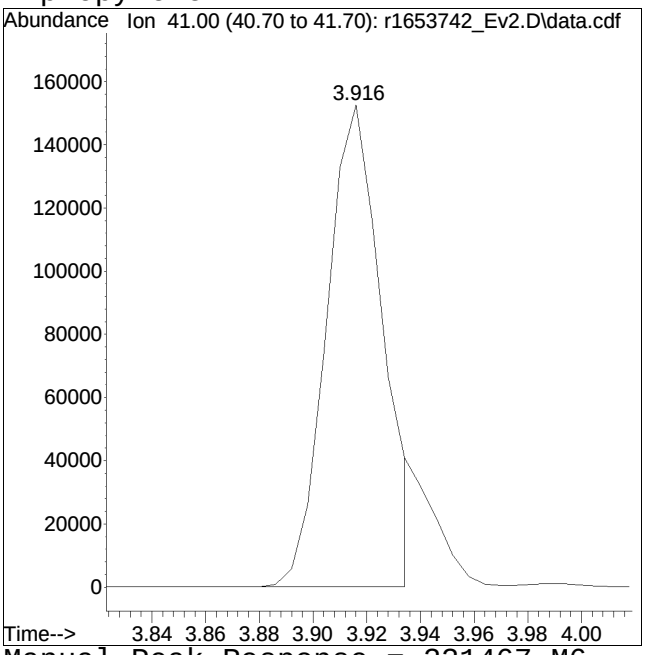
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653742_Ev2.D Operator : AIRLAB16:RAY
Date Inj'd : 1/20/2026 9:50 PM Instrument :
Sample : ITO15-LLSTD020 Quant Date : 1/21/2026 6:45 am

Compound #2: propylene



Original Peak Response = 246012



Manual Peak Response = 221467 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653743_Ev2.D
Acq On : 20 Jan 2026 10:30 PM
Operator : AIRLAB16:RAY
Sample : ITO15-LLSTD050
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:45:49 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.075	49	244834	10.000	ppbV	0.00
Standard Area = 245998			Recovery = 99.53%			
33) 1,4-difluorobenzene	11.280	114	641328	10.000	ppbV	0.00
Standard Area = 657294			Recovery = 97.57%			
51) chlorobenzene-D5	15.958	54	88789	10.000	ppbV	0.00
Standard Area = 86828			Recovery = 102.26%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.933	65	115667	9.695	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.95%			
53) toluene-D8	14.108	98	487194	9.291	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.91%			
67) bromofluorobenzene	17.308	95	324540	9.273	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.73%			
Target Compounds						Qvalue
2) propylene	3.910	41	570569M6	46.805	ppbV	
3) dichlorodifluoromethane	3.988	85	1332219	46.665	ppbV	99
4) chloromethane	4.156	50	758297	44.424	ppbV	100
5) Freon-114	4.270	85	1576374	44.018	ppbV	95
6) vinyl chloride	4.390	62	683471	47.563	ppbV	99
7) 1,3-butadiene	4.534	54	570391	48.739	ppbV	100
8) bromomethane	4.816	94	541103	48.807	ppbV	100
9) chloroethane	5.002	64	307635	48.757	ppbV	99
10) ethanol	5.170	31	2303324	173.074	ppbV	99
11) vinyl bromide	5.383	106	578627	52.013	ppbV	99
12) acrolein	5.517	56	376872	53.991	ppbV	97
13) acetone	5.657	43	4075011	230.408	ppbV	92
14) trichlorofluoromethane	5.840	101	1126884	45.468	ppbV	100
15) isopropyl alcohol	5.953	45	2911408	141.552	ppbV	99
16) acrylonitrile	6.177	53	740526	50.726	ppbV	100
17) 1,1-dichloroethene	6.534	61	922428	48.829	ppbV	99
18) tertiary butyl alcohol	6.600	59	1241317	60.363	ppbV	98
19) methylene chloride	6.678	49	925173	46.633	ppbV	99
20) 3-chloropropene	6.804	41	889258	49.458	ppbV	100
21) carbon disulfide	6.978	76	2031249	48.092	ppbV	97
22) Freon 113	6.972	101	1284544	45.350	ppbV	98
23) trans-1,2-dichloroethene	7.717	61	870682	50.572	ppbV	95
24) 1,1-dichloroethane	7.942	63	1106192	47.142	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653743_Ev2.D
Acq On : 20 Jan 2026 10:30 PM
Operator : AIRLAB16:RAY
Sample : ITO15-LLSTD050
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:45:49 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	8.000	73	1692967	48.981	ppbV		97
26) vinyl acetate	8.125	43	1741950	67.759	ppbV		99
27) 2-butanone	8.375	43	1471431	49.866	ppbV		99
28) cis-1,2-dichloroethene	8.883	61	874988	48.427	ppbV		95
29) Ethyl Acetate	9.142	61	235029	58.167	ppbV		70
30) chloroform	9.225	83	1270990	47.972	ppbV		99
31) Tetrahydrofuran	9.642	42	781497	50.075	ppbV		99
32) 1,2-dichloroethane	10.050	62	658987	47.404	ppbV		99
34) hexane	9.125	57	1155449	51.250	ppbV		85
36) 1,1,1-trichloroethane	10.342	97	947450	50.290	ppbV		97
37) benzene	10.860	78	2619242	47.897	ppbV		98
38) carbon tetrachloride	11.033	117	1030132	58.518	ppbV		99
39) cyclohexane	11.173	56	1257537	51.499	ppbV		98
40) Dibromomethane	11.773	93	728186	47.857	ppbV	#	98
41) 1,2-dichloropropane	11.800	63	807083	48.785	ppbV		99
42) bromodichloromethane	12.033	83	1282073	55.686	ppbV		98
43) 1,4-dioxane	12.060	88	524200	53.571	ppbV		99
44) trichloroethene	12.080	130	1052913	47.821	ppbV		96
45) 2,2,4-trimethylpentane	12.120	57	3669016	49.200	ppbV		98
46) heptane	12.433	43	1463537	47.955	ppbV		93
47) cis-1,3-dichloropropene	13.083	75	1241098	52.183	ppbV		99
48) 4-methyl-2-pentanone	13.108	43	1801855	49.278	ppbV		96
49) trans-1,3-dichloropropene	13.700	75	908217	55.854	ppbV		99
50) 1,1,2-trichloroethane	13.908	97	874618	47.982	ppbV		97
52) toluene	14.217	91	2602029	45.556	ppbV		99
54) 2-hexanone	14.492	43	1673204	46.740	ppbV		92
55) dibromochloromethane	14.667	129	1279969	57.993	ppbV		99
56) 1,2-dibromoethane	14.917	107	1430501	46.643	ppbV		100
57) tetrachloroethene	15.375	166	1070075	46.408	ppbV		96
58) 1,1,1,2-tetrachloroethane	15.983	131	998445	50.455	ppbV		99
59) chlorobenzene	16.000	112	2402457	45.282	ppbV		100
60) ethylbenzene	16.333	91	3256017	45.031	ppbV		100
61) m+p-xylene	16.500	91	5174894	90.301	ppbV		97
62) bromoform	16.567	173	994128	66.103	ppbV		98
63) styrene	16.817	104	2455288	46.413	ppbV		96
64) 1,1,2,2-tetrachloroethane	16.908	83	2120386	50.771	ppbV		100
65) o-xylene	16.908	91	2597239	44.580	ppbV		97
66) 1,2,3-Trichloropropane	17.017	75	1681426	46.557	ppbV		98
68) isopropylbenzene	17.425	105	3961018	42.856	ppbV		92
69) Bromobenzene	17.500	77	2197440	46.865	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653743_Ev2.D
Acq On : 20 Jan 2026 10:30 PM
Operator : AIRLAB16:RAY
Sample : ITO15-LLSTD050
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 21 06:45:49 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

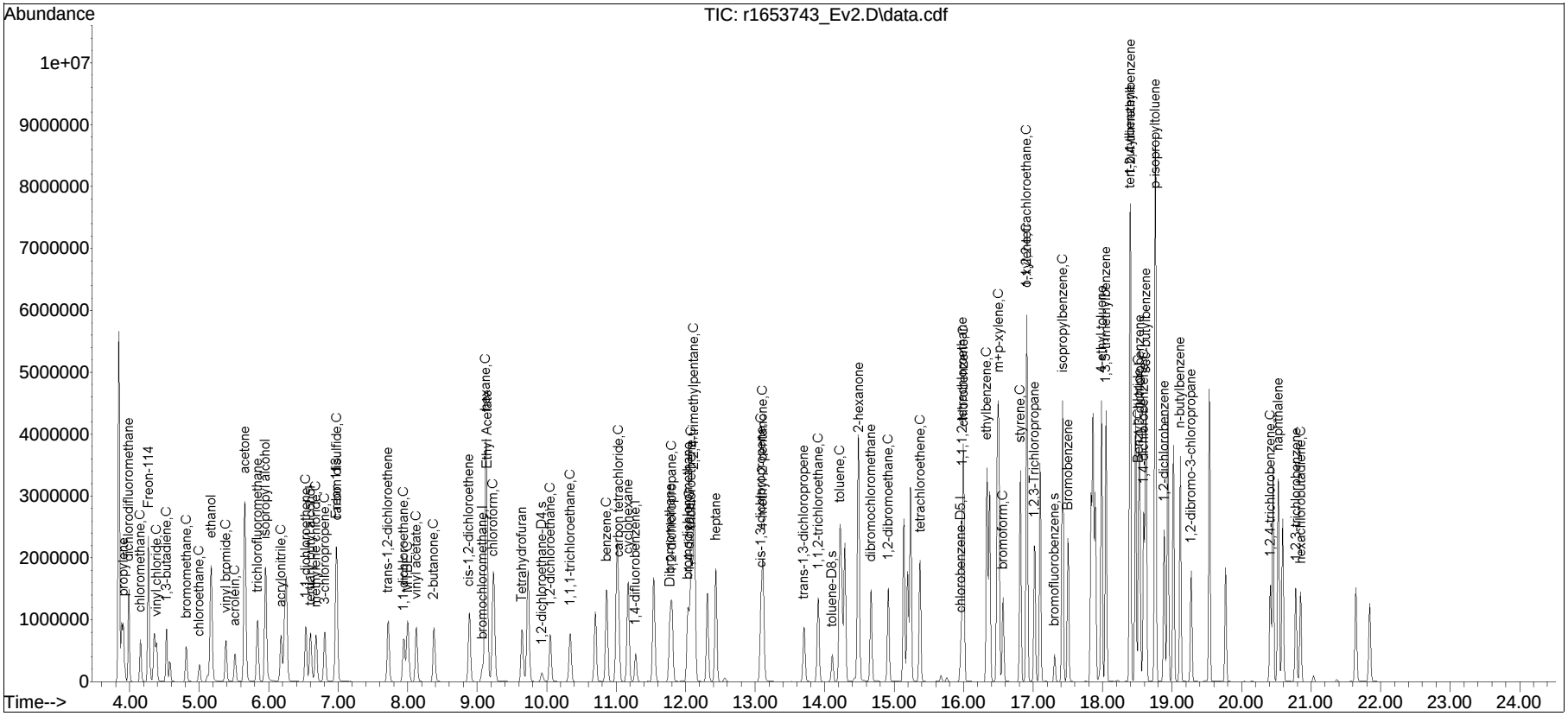
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.983	105	3892713	46.182	ppbV	95
71) 1,3,5-trimethylbenzene	18.050	105	3297364	44.697	ppbV	91
72) tert-butylbenzene	18.392	119	3399524	44.870	ppbV	98
73) 1,2,4-trimethylbenzene	18.400	105	3272271	43.455	ppbV	91
74) Benzyl Chloride	18.517	91	2437973	66.016	ppbV	98
75) 1,3-dichlorobenzene	18.533	146	2507914	48.976	ppbV	94
76) 1,4-dichlorobenzene	18.592	146	2440622	47.197	ppbV	95
77) sec-butylbenzene	18.625	105	5005696	43.028	ppbV	92
78) p-isopropyltoluene	18.758	119	4208777	44.106	ppbV	98
79) 1,2-dichlorobenzene	18.883	146	2337182	48.653	ppbV	96
80) n-butylbenzene	19.117	91	3486508	42.951	ppbV	98
81) 1,2-dibromo-3-chloropr...	19.275	75	1010791	54.781	ppbV	92
82) 1,2,4-trichlorobenzene	20.417	180	1614326	50.254	ppbV	98
83) naphthalene	20.525	128	5190819	43.582	ppbV	99
84) 1,2,3-trichlorobenzene	20.783	180	1589409	46.850	ppbV	97
85) hexachlorobutadiene	20.850	225	1148616	47.444	ppbV	98

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

Sub List : Default - All compounds listed1\0120SIM_I\r1653740_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653743_Ev2.D
Acq On : 20 Jan 2026 10:30 PM
Operator : AIRLAB16:RAY
Sample : ITO15-LLSTD050
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

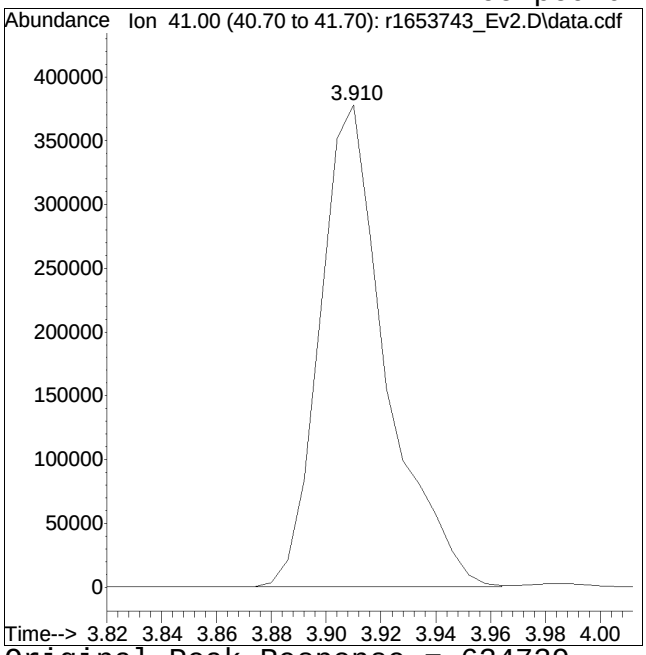
Quant Time: Jan 21 06:45:49 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jan 21 06:43:48 2026
Response via : Initial Calibration



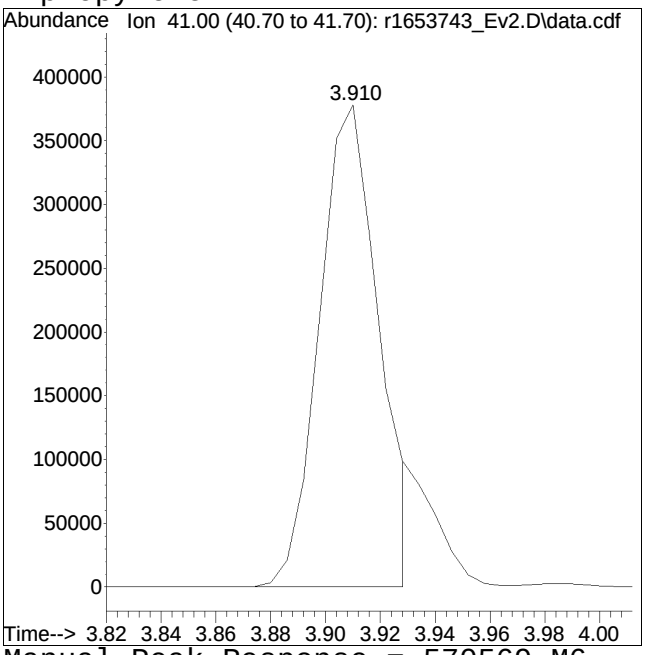
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653743_Ev2.D Operator : AIRLAB16:RAY
Date Inj'd : 1/20/2026 10:30 PM Instrument :
Sample : ITO15-LLSTD050 Quant Date : 1/21/2026 6:45 am

Compound #2: propylene



Original Peak Response = 634739



Manual Peak Response = 570569 M6

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

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653750_Ev2.D
Acq On : 21 Jan 2026 11:32 AM
Operator : AIRLAB16:RAY
Sample : CTO15-SIMSTD5.0
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 08:58:01 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 08:56:07 2026
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	95	0.00
2		propylene	0.522	0.564	-8.0	108	0.00
3		dichlorodifluoromethane	1.219	1.301	-6.7	106	0.00
4	C	chloromethane	0.711	0.767	-7.9	105	0.00
5		Freon-114	1.524	1.685	-10.6	110	0.00
6	C	vinyl chloride	0.631	0.676	-7.1	110	0.00
7	C	1,3-butadiene	0.499	0.592	-18.6	118	0.00
8	C	bromomethane	0.507	0.577	-13.8	121	0.00
9	C	chloroethane	0.282	0.300	-6.4	111	0.00
10		ethanol	0.480	0.536	-11.7	94	-0.01
11	C	vinyl bromide	0.524	0.570	-8.8	119	-0.01
12	C	acrolein	0.322	0.278	13.7	93	0.00
13		acetone	0.777	0.825	-6.2	109	0.00
14		trichlorofluoromethane	1.068	1.103	-3.3	104	0.00
15		isopropyl alcohol	0.952	1.020	-7.1	115	0.00
16	C	acrylonitrile	0.581	0.557	4.1	89	0.00
17	C	1,1-dichloroethene	0.822	0.894	-8.8	110	-0.01
18		tertiary butyl alcohol	0.878	0.976	-11.2	111	0.00
19	C	methylene chloride	0.833	0.924	-10.9	108	-0.01
20	C	3-chloropropene	0.776	0.891	-14.8	115	-0.01
21	C	carbon disulfide	1.885	2.056	-9.1	113	0.00
22		Freon 113	1.232	1.310	-6.3	108	0.00
23		trans-1,2-dichloroethene	0.760	0.850	-11.8	115	0.00
24	C	1,1-dichloroethane	1.021	1.063	-4.1	106	0.00
25	C	MTBE	1.528	1.707	-11.7	115	0.00
26	C	vinyl acetate	1.153	0.988	14.3	90	0.00
27	C	2-butanone	1.254	1.382	-10.2	109	0.00
28		cis-1,2-dichloroethene	0.782	0.833	-6.5	107	0.00
29		Ethyl Acetate	0.171	0.215	-25.7	124	0.00
30	C	chloroform	1.191	1.240	-4.1	109	0.00
31		Tetrahydrofuran	0.672	0.824	-22.6	123	0.00
32	C	1,2-dichloroethane	0.596	0.624	-4.7	105	0.00
33	I	1,4-difluorobenzene	1.000	1.000	0.0	95	0.00
34	C	hexane	0.420	0.427	-1.7	116	0.00
35	s	1,2-dichloroethane-D4	0.183	0.182	0.5	93	0.00
36	C	1,1,1-trichloroethane	0.309	0.336	-8.7	109	0.00
37	C	benzene	0.901	0.958	-6.3	107	0.00
38	C	carbon tetrachloride	0.287	0.351	-22.3	122	-0.01

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653750_Ev2.D
Acq On : 21 Jan 2026 11:32 AM
Operator : AIRLAB16:RAY
Sample : CTO15-SIMSTD5.0
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 08:58:01 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 08:56:07 2026
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	0.412	0.467	-13.3	117	0.00
40		Dibromomethane	0.243	0.241	0.8	97	0.00
41	C	1,2-dichloropropane	0.265	0.286	-7.9	106	0.00
42		bromodichloromethane	0.386	0.463	-19.9	123	0.00
43	C	1,4-dioxane	0.162	0.193	-19.1	121	0.00
44	C	trichloroethene	0.368	0.377	-2.4	105	0.00
45	C	2,2,4-trimethylpentane	1.230	1.397	-13.6	114	0.00
46		heptane	0.502	0.573	-14.1	115	0.00
47	C	cis-1,3-dichloropropene	0.367	0.513	-39.8#	132	0.00
48	C	4-methyl-2-pentanone	0.575	0.669	-16.3	112	0.00
49		trans-1,3-dichloropropene	0.222	0.368	-65.8#	138	0.00
50	C	1,1,2-trichloroethane	0.291	0.318	-9.3	107	0.00
51	I	chlorobenzene-D5	1.000	1.000	0.0	97	0.00
52	C	toluene	6.744	7.237	-7.3	109	0.00
53	s	toluene-D8	5.771	5.787	-0.3	95	0.00
54		2-hexanone	3.763	4.542	-20.7	109	0.00
55		dibromochloromethane	2.495	3.364	-34.8#	131	0.00
56	C	1,2-dibromoethane	3.458	4.060	-17.4	113	0.00
57	C	tetrachloroethene	2.762	2.868	-3.8	107	0.00
58		1,1,1,2-tetrachloroethane	2.131	2.334	-9.5	101	0.00
59	C	chlorobenzene	6.295	6.750	-7.2	109	0.00
60	C	ethylbenzene	8.370	9.000	-7.5	107	0.00
61	C	m+p-xylene	6.596	7.254	-10.0	108	0.00
62	C	bromoform	1.613	2.418	-49.9#	138	0.00
63	C	styrene	5.717	6.945	-21.5	112	0.00
64	C	1,1,2,2-tetrachloroethane	4.849	5.575	-15.0	114	0.00
65	C	o-xylene	6.737	7.213	-7.1	106	0.00
66		1,2,3-Trichloropropane	3.988	4.144	-3.9	98	0.00
67	s	bromofluorobenzene	3.789	3.761	0.7	92	0.00
68	C	isopropylbenzene	10.094	10.420	-3.2	97	0.00
69		Bromobenzene	5.163	5.294	-2.5	97	0.00
70		4-ethyl toluene	9.632	11.336	-17.7	115	0.00
71		1,3,5-trimethylbenzene	8.209	9.876	-20.3	115	0.00
72		tert-butylbenzene	8.101	8.587	-6.0	97	0.00
73		1,2,4-trimethylbenzene	8.395	10.095	-20.3	115	0.00
74	C	Benzyl Chloride	3.848	4.762	-23.8	111	0.00
75		1,3-dichlorobenzene	5.628	6.683	-18.7	112	0.00
76	C	1,4-dichlorobenzene	5.686	6.818	-19.9	113	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653750_Ev2.D
Acq On : 21 Jan 2026 11:32 AM
Operator : AIRLAB16:RAY
Sample : CTO15-SIMSTD5.0
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 08:58:01 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 08:56:07 2026
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	12.162	12.827	-5.5	94	0.00
78		p-isopropyltoluene	9.836	10.368	-5.4	93	0.00
79		1,2-dichlorobenzene	5.353	6.285	-17.4	112	0.00
80		n-butylbenzene	8.057	9.219	-14.4	97	0.00
81		1,2-dibromo-3-chloropropane	1.702	2.138	-25.6	99	0.00
82	C	1,2,4-trichlorobenzene	3.097	4.422	-42.8#	118	0.04
83		naphthalene	10.855	12.373	-14.0	89	0.04
84		1,2,3-trichlorobenzene	3.051	3.648	-19.6	92	0.05
85	C	hexachlorobutadiene	2.304	3.271	-42.0#	116	0.04

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 4

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653750_Ev2.D
Acq On : 21 Jan 2026 11:32 AM
Operator : AIRLAB16:RAY
Sample : CTO15-SIMSTD5.0
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 08:58:01 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 08:56:07 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.058	49	234022	10.000	ppbV	0.00
Standard Area = 245998			Recovery = 95.13%			
33) 1,4-difluorobenzene	11.273	114	626283	10.000	ppbV	0.00
Standard Area = 657294			Recovery = 95.28%			
51) chlorobenzene-D5	15.950	54	83795	10.000	ppbV	0.00
Standard Area = 86828			Recovery = 96.51%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.917	65	114060	9.936	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.36%			
53) toluene-D8	14.100	98	484921	10.027	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.27%			
67) bromofluorobenzene	17.300	95	315112	9.925	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.25%			
Target Compounds						Qvalue
2) propylene	3.916	41	65946M6	5.399	ppbV	
3) dichlorodifluoromethane	3.988	85	152249	5.339	ppbV	100
4) chloromethane	4.156	50	89750	5.393	ppbV	99
5) Freon-114	4.264	85	197185	5.530	ppbV	100
6) vinyl chloride	4.384	62	79152	5.364	ppbV	99
7) 1,3-butadiene	4.528	54	69229	5.930	ppbV	99
8) bromomethane	4.810	94	67542	5.692	ppbV	100
9) chloroethane	4.996	64	35054	5.318	ppbV	99
10) ethanol	5.146	31	313855	27.950	ppbV	100
11) vinyl bromide	5.373	106	66685	5.436	ppbV	99
12) acrolein	5.507	56	32555	4.314	ppbV	97
13) acetone	5.643	43	482954	26.564	ppbV	95
14) trichlorofluoromethane	5.830	101	129028	5.161	ppbV	99
15) isopropyl alcohol	5.933	45	298253	13.391	ppbV	100
16) acrylonitrile	6.163	53	65159	4.794	ppbV	99
17) 1,1-dichloroethene	6.522	61	104556	5.434	ppbV	98
18) tertiary butyl alcohol	6.588	59	114165	5.556	ppbV	99
19) methylene chloride	6.666	49	108087	5.541	ppbV	99
20) 3-chloropropene	6.792	41	104297	5.742	ppbV	99
21) carbon disulfide	6.966	76	240587	5.453	ppbV	98
22) Freon 113	6.966	101	153287	5.319	ppbV	99
23) trans-1,2-dichloroethene	7.708	61	99432	5.594	ppbV	99
24) 1,1-dichloroethane	7.933	63	124428	5.205	ppbV	99

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653750_Ev2.D
Acq On : 21 Jan 2026 11:32 AM
Operator : AIRLAB16:RAY
Sample : CTO15-SIMSTD5.0
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 08:58:01 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 08:56:07 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	8.000	73	199718	5.584	ppbV		99
26) vinyl acetate	8.117	43	115614	4.286	ppbV		99
27) 2-butanone	8.367	43	161696	5.510	ppbV		100
28) cis-1,2-dichloroethene	8.875	61	97429	5.323	ppbV		99
29) Ethyl Acetate	9.133	61	25212	6.296	ppbV		85
30) chloroform	9.217	83	145036	5.203	ppbV		99
31) Tetrahydrofuran	9.642	42	96418	6.127	ppbV		100
32) 1,2-dichloroethane	10.042	62	73023	5.237	ppbV		100
34) hexane	9.117	57	133617	5.076	ppbV		90
36) 1,1,1-trichloroethane	10.325	97	105291	5.448	ppbV		99
37) benzene	10.853	78	299963	5.314	ppbV		99
38) carbon tetrachloride	11.020	117	110045	6.119	ppbV		98
39) cyclohexane	11.167	56	146388	5.674	ppbV		98
40) Dibromomethane	11.760	93	75473	4.964	ppbV	#	98
41) 1,2-dichloropropane	11.793	63	89505	5.390	ppbV		98
42) bromodichloromethane	12.020	83	144876	5.990	ppbV		99
43) 1,4-dioxane	12.060	88	60562	5.964	ppbV		100
44) trichloroethene	12.073	130	118204	5.122	ppbV		97
45) 2,2,4-trimethylpentane	12.113	57	437382	5.678	ppbV		99
46) heptane	12.427	43	179292	5.703	ppbV		97
47) cis-1,3-dichloropropene	13.075	75	160534	6.990	ppbV		99
48) 4-methyl-2-pentanone	13.108	43	209497	5.817	ppbV		98
49) trans-1,3-dichloropropene	13.700	75	115126	8.282	ppbV		99
50) 1,1,2-trichloroethane	13.900	97	99575	5.464	ppbV		97
52) toluene	14.208	91	303226	5.366	ppbV		99
54) 2-hexanone	14.492	43	190295	6.035	ppbV	#	98
55) dibromochloromethane	14.658	129	140953	6.742	ppbV		100
56) 1,2-dibromoethane	14.908	107	170112	5.872	ppbV		100
57) tetrachloroethene	15.367	166	120169	5.193	ppbV		98
58) 1,1,1,2-tetrachloroethane	15.983	131	97788	5.476	ppbV		98
59) chlorobenzene	15.992	112	282792	5.361	ppbV		97
60) ethylbenzene	16.325	91	377092	5.377	ppbV		98
61) m+p-xylene	16.483	91	607876	10.998	ppbV		100
62) bromoform	16.558	173	101329	7.497	ppbV		99
63) styrene	16.808	104	290995	6.074	ppbV		99
64) 1,1,2,2-tetrachloroethane	16.900	83	233560	5.748	ppbV		100
65) o-xylene	16.900	91	302187	5.353	ppbV		99
66) 1,2,3-Trichloropropane	17.008	75	173624	5.196	ppbV		99
68) isopropylbenzene	17.408	105	436558	5.161	ppbV		99
69) Bromobenzene	17.492	77	221817	5.127	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653750_Ev2.D
Acq On : 21 Jan 2026 11:32 AM
Operator : AIRLAB16:RAY
Sample : CTO15-SIMSTD5.0
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 22 08:58:01 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 08:56:07 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\r1653740_Ev2.D
Sub List : Default - All compounds listed

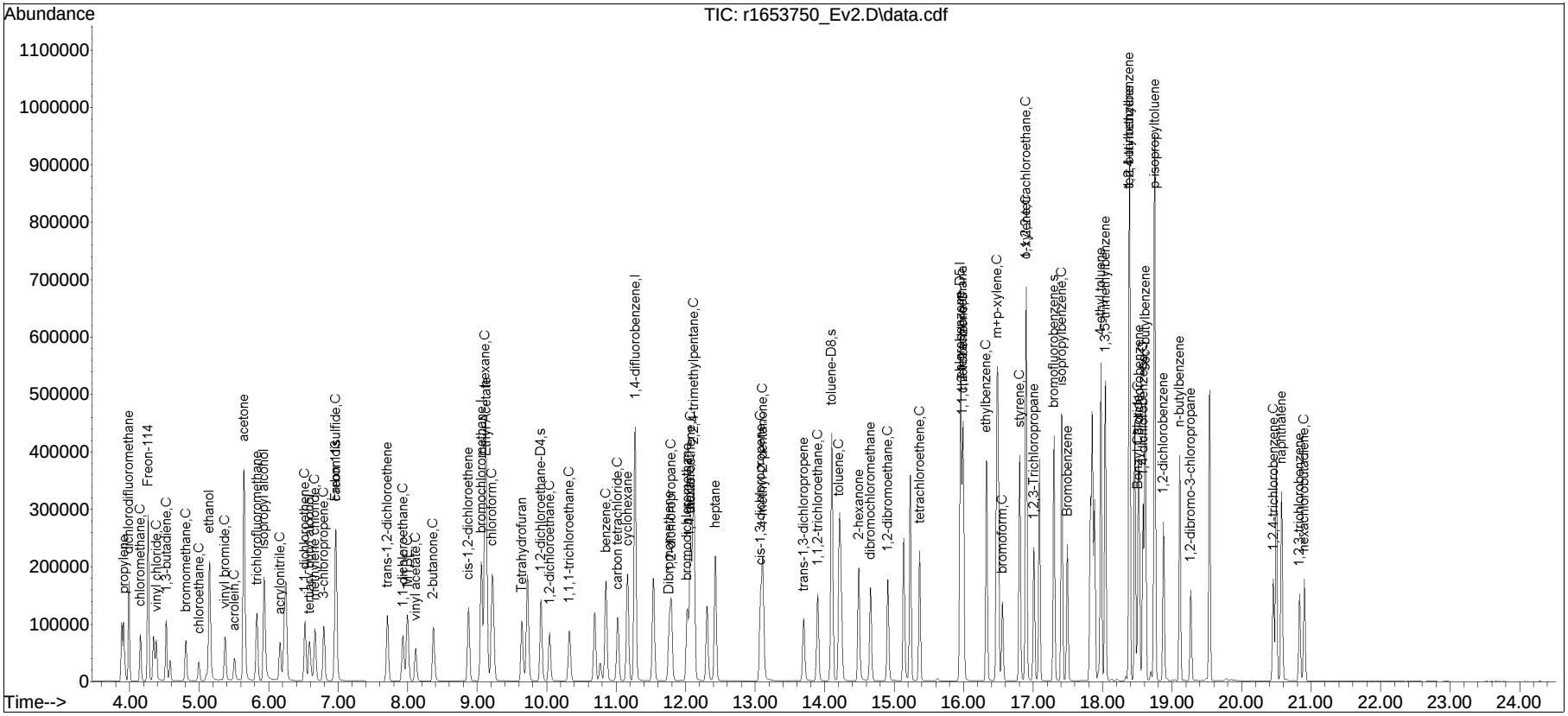
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.975	105	474937	5.885	ppbV	99
71) 1,3,5-trimethylbenzene	18.042	105	413760	6.015	ppbV	97
72) tert-butylbenzene	18.383	119	359770	5.300	ppbV	97
73) 1,2,4-trimethylbenzene	18.383	105	422957	6.013	ppbV	92
74) Benzyl Chloride	18.508	91	199534	6.189	ppbV	100
75) 1,3-dichlorobenzene	18.525	146	280019	5.938	ppbV	98
76) 1,4-dichlorobenzene	18.583	146	285648	5.995	ppbV	98
77) sec-butylbenzene	18.617	105	537402	5.273	ppbV	96
78) p-isopropyltoluene	18.750	119	434395	5.270	ppbV	98
79) 1,2-dichlorobenzene	18.875	146	263322	5.871	ppbV	99
80) n-butylbenzene	19.108	91	386254	5.721	ppbV	99
81) 1,2-dibromo-3-chloropr...	19.267	75	89559	6.281	ppbV	97
82) 1,2,4-trichlorobenzene	20.458	180	185281	7.139	ppbV	99
83) naphthalene	20.575	128	518377	5.699	ppbV	100
84) 1,2,3-trichlorobenzene	20.833	180	152859	5.978	ppbV	99
85) hexachlorobutadiene	20.900	225	137065	7.101	ppbV	97

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

Sub List : Default - All compounds listed1\0120SIM_I\r1653740_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\
Data File : r1653750_Ev2.D
Acq On : 21 Jan 2026 11:32 AM
Operator : AIRLAB16:RAY
Sample : CTO15-SIMSTD5.0
Misc : WG2167876
ALS Vial : 0 Sample Multiplier: 1

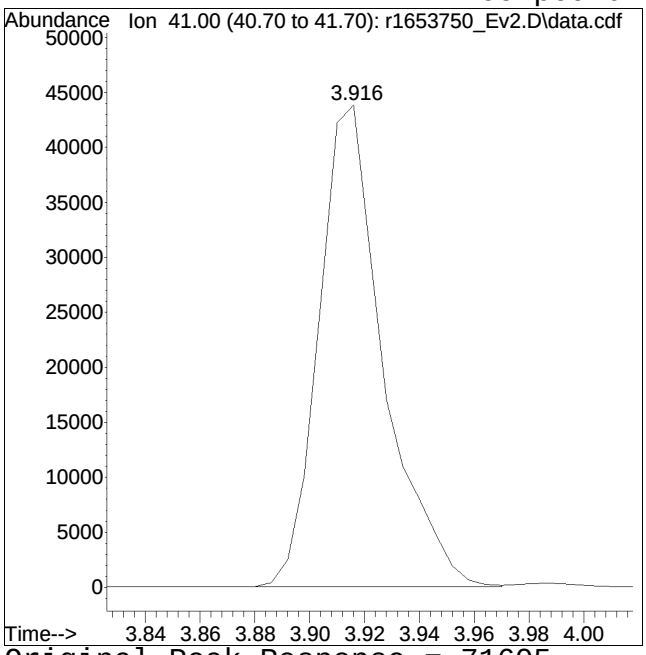
Quant Time: Jan 22 08:58:01 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\01\0120SIM_I\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 08:56:07 2026
Response via : Initial Calibration



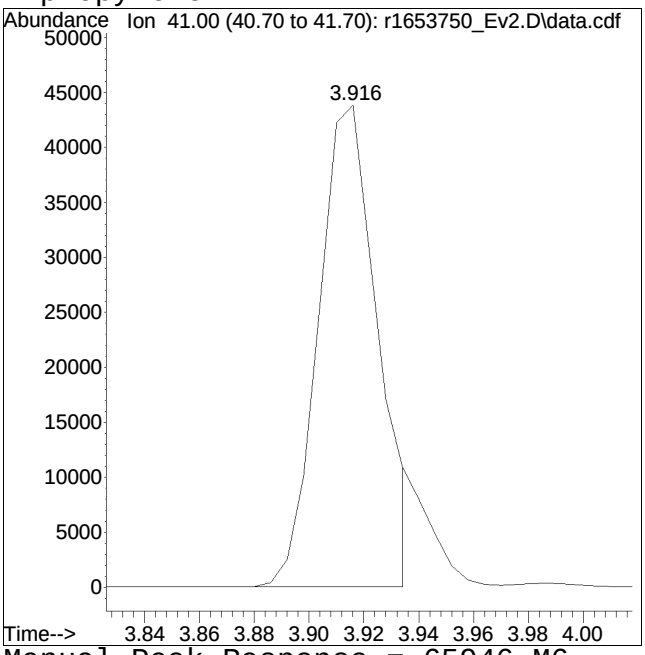
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653750_Ev2.D Operator : AIRLAB16:RAY
Date Inj'd : 1/21/2026 11:32 AM Instrument :
Sample : CTO15-SIMSTD5.0 Quant Date : 1/22/2026 8:58 am

Compound #2: propylene



Original Peak Response = 71605



Manual Peak Response = 65946 M6

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

Continuing Calibration

Calibration Verification Summary
Form 7
Air Volatiles

Client	: NYDEC_AECOM Environment		Lab Number	: L2603846	
Project Name	: POPULAR HAND LAUNDRY		Project Number	: CO 153512/ S V00170	
Instrument ID	: AIRLAB23		Calibration Date	: 02/02/26 16:29	
Lab File ID	: R238353		Init. Calib. Date(s)	: 11/21/25	11/22/25
Sample No	: WG2171514-2		Init. Calib. Times	: 20:44	02:30
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
bromochloromethane	1	1	-	0	30	105	0
propylene	0.382	0.436	-	-14.1	30	128	.02
dichlorodifluoromethane	2.788	2.495	-	10.5	30	96	.01
chloromethane	0.765	0.681	-	11	30	100	.01
Freon-114	3.361	2.769	-	17.6	30	90	.01
vinyl chloride	1.019	0.911	-	10.6	30	100	.01
1,3-butadiene	0.624	0.55	-	11.9	30	106	.02
bromomethane	1.223	1.086	-	11.2	30	96	.01
chloroethane	0.588	0.506	-	13.9	30	96	.02
ethanol	0.38	0.316	-	16.8	30	90	.03
vinyl bromide	1.02	0.978	-	4.1	30	110	.01
acrolein	0.321	0.261	-	18.7	30	90	.02
acetone	0.963	0.867	-	10	30	106	.02
trichlorofluoromethane	2.949	2.452	-	16.9	30	91	.02
isopropyl alcohol	1	0.853	-	14.7	30	101	.02
acrylonitrile	0.539	0.563	-	-4.5	30	116	.02
1,1-dichloroethene	1.695	1.573	-	7.2	30	100	.02
tertiary butyl alcohol	1.153	0.784	-	32*	30	60	.03
methylene chloride	0.93	0.961	-	-3.3	30	124	.02
3-chloropropene	0.646	0.647	-	-0.2	30	116	.02
carbon disulfide	2.374	2.392	-	-0.8	30	117	.02
Freon 113	2.371	2.117	-	10.7	30	99	.01
trans-1,2-dichloroethene	1.158	1.05	-	9.3	30	106	.01
1,1-dichloroethane	1.609	1.528	-	5	30	103	.01
MTBE	2.3	1.903	-	17.3	30	96	.02
vinyl acetate	1.367	0.669	-	51.1*	30	66	.02
2-butanone	1.238	1.168	-	5.7	30	109	.02
cis-1,2-dichloroethene	1.246	1.089	-	12.6	30	95	0
Ethyl Acetate	0.226	0.241	-	-6.6	30	121	.02
chloroform	2.335	2.046	-	12.4	30	97	0
Tetrahydrofuran	0.603	0.596	-	1.2	30	124	0
1,2-dichloroethane	1.373	1.14	-	17	30	91	.02
1,4-difluorobenzene	1	1	-	0	30	91	0
hexane	0.244	0.287	-	-17.6	30	123	0
1,1,1-trichloroethane	0.639	0.636	-	0.5	30	89	0
benzene	0.715	0.758	-	-6	30	100	0
carbon tetrachloride	0.674	0.614	-	8.9	30	88	0
cyclohexane	0.247	0.27	-	-9.3	30	113	0
Dibromomethane	0.353	0.326	-	7.6	30	89	0
1,2-dichloropropane	0.232	0.261	-	-12.5	30	108	0
bromodichloromethane	0.548	0.581	-	-6	30	106	0
1,4-dioxane	0.158	0.161	-	-1.9	30	101	0
trichloroethene	0.43	0.424	-	1.4	30	94	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Air Volatiles

Client	: NYDEC_AECOM Environment		Lab Number	: L2603846	
Project Name	: POPULAR HAND LAUNDRY		Project Number	: CO 153512/ S V00170	
Instrument ID	: AIRLAB23		Calibration Date	: 02/02/26 16:29	
Lab File ID	: R238353		Init. Calib. Date(s)	: 11/21/25	11/22/25
Sample No	: WG2171514-2		Init. Calib. Times	: 20:44	02:30
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
2,2,4-trimethylpentane	0.76	0.919	-	-20.9	30	128	0
heptane	0.23	0.273	-	-18.7	30	122	0
cis-1,3-dichloropropene	0.382	0.449	-	-17.5	30	108	0
4-methyl-2-pentanone	0.356	0.391	-	-9.8	30	109	0
trans-1,3-dichloropropene	0.301	0.351	-	-16.6	30	107	0
1,1,2-trichloroethane	0.361	0.372	-	-3	30	97	0
chlorobenzene-D5	1	1	-	0	30	84	0
toluene	7.086	7.681	-	-8.4	30	97	0
2-hexanone	2.471	2.786	-	-12.7	30	103	0
dibromochloromethane	5.039	5.508	-	-9.3	30	105	0
1,2-dibromoethane	4.347	4.731	-	-8.8	30	97	0
tetrachloroethene	4.611	4.729	-	-2.6	30	95	0
1,1,1,2-tetrachloroethane	3.721	3.544	-	4.8	30	85	0
chlorobenzene	6.254	6.64	-	-6.2	30	95	0
ethylbenzene	9.153	9.282	-	-1.4	30	89	0
m+p-xylene	6.9	7.371	-	-6.8	30	95	0
bromoform	4.718	5.386	-	-14.2	30	109	0
styrene	5.312	5.536	-	-4.2	30	90	0
1,1,2,2-tetrachloroethane	5.188	6.132	-	-18.2	30	104	0
o-xylene	7.028	7.278	-	-3.6	30	93	0
1,2,3-Trichloropropane	3.632	3.89	-	-7.1	30	97	0
isopropylbenzene	9.775	9.949	-	-1.8	30	89	0
Bromobenzene	4.404	4.491	-	-2	30	91	0
4-ethyl toluene	9.106	10.218	-	-12.2	30	105	0
1,3,5-trimethylbenzene	7.679	8.511	-	-10.8	30	98	0
tert-butylbenzene	9.463	9.18	-	3	30	88	0
1,2,4-trimethylbenzene	8.146	8.953	-	-9.9	30	95	0
Benzyl Chloride	5.375	5.716	-	-6.3	30	89	0
1,3-dichlorobenzene	6.718	7.544	-	-12.3	30	100	0
1,4-dichlorobenzene	6.512	7.478	-	-14.8	30	100	0
sec-butylbenzene	11.741	12.098	-	-3	30	91	0
p-isopropyltoluene	11.133	10.993	-	1.3	30	86	0
1,2-dichlorobenzene	6.385	7.261	-	-13.7	30	100	0
n-butylbenzene	8.938	9.901	-	-10.8	30	95	0
1,2-dibromo-3-chloropropan	2.369	2.281	-	3.7	30	80	0
1,2,4-trichlorobenzene	5.392	6.838	-	-26.8	30	99	0
naphthalene	10.464	10.927	-	-4.4	30	74	0
1,2,3-trichlorobenzene	5.35	5.664	-	-5.9	30	83	0
hexachlorobutadiene	4.844	5.98	-	-23.5	30	104	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Air Volatiles

Client	: NYDEC_AECOM Environment		Lab Number	: L2603846	
Project Name	: POPULAR HAND LAUNDRY		Project Number	: CO 153512/ S V00170	
Instrument ID	: AIRLAB16		Calibration Date	: 02/03/26 12:34	
Lab File ID	: R1653977_EV2		Init. Calib. Date(s)	: 01/20/26	01/20/26
Sample No	: WG2171920-2		Init. Calib. Times	: 16:33	22:30
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
bromochloromethane	1	1	-	0	30	84	.03
propylene	0.522	0.74	-	-41.8*	30	125	.01
dichlorodifluoromethane	1.219	1.26	-	-3.4	30	91	.01
chloromethane	0.711	0.838	-	-17.9	30	101	.01
Freon-114	1.524	1.704	-	-11.8	30	98	.02
vinyl chloride	0.631	0.717	-	-13.6	30	103	.02
1,3-butadiene	0.499	0.599	-	-20	30	105	.02
bromomethane	0.507	0.612	-	-20.7	30	113	.02
chloroethane	0.282	0.311	-	-10.3	30	101	.02
ethanol	0.48	0.424	-	11.7	30	66	.02
vinyl bromide	0.524	0.704	-	-34.4*	30	130	.02
acrolein	0.322	0.251	-	22	30	74	.03
acetone	0.777	1.077	-	-38.6*	30	125	.02
trichlorofluoromethane	1.068	1.247	-	-16.8	30	103	.02
isopropyl alcohol	0.952	1.129	-	-18.6	30	113	.02
acrylonitrile	0.581	0.503	-	13.4	30	71	.03
1,1-dichloroethene	0.822	1.028	-	-25.1	30	112	.02
tertiary butyl alcohol	0.878	0.965	-	-9.9	30	97	.02
methylene chloride	0.833	0.922	-	-10.7	30	96	.02
3-chloropropene	0.776	1.199	-	-54.5*	30	137	.02
carbon disulfide	1.885	2.133	-	-13.2	30	104	.03
Freon 113	1.232	1.583	-	-28.5	30	115	.03
trans-1,2-dichloroethene	0.76	0.999	-	-31.4*	30	119	.02
1,1-dichloroethane	1.021	1.325	-	-29.8	30	116	.03
MTBE	1.528	1.742	-	-14	30	104	.03
vinyl acetate	1.153	1.276	-	-10.7	30	102	.03
2-butanone	1.254	1.768	-	-41*	30	123	.03
cis-1,2-dichloroethene	0.782	0.985	-	-26	30	112	.03
Ethyl Acetate	0.171	0.259	-	-51.5*	30	132	.03
chloroform	1.191	1.228	-	-3.1	30	95	.03
Tetrahydrofuran	0.672	1.058	-	-57.4*	30	139	.03
1,2-dichloroethane	0.596	0.7	-	-17.4	30	103	.03
1,4-difluorobenzene	1	1	-	0	30	84	.03
hexane	0.42	0.445	-	-6	30	107	.03
1,1,1-trichloroethane	0.309	0.393	-	-27.2	30	113	.03
benzene	0.901	0.923	-	-2.4	30	91	.03
carbon tetrachloride	0.287	0.37	-	-28.9	30	114	.03
cyclohexane	0.412	0.476	-	-15.5	30	105	.03
Dibromomethane	0.243	0.295	-	-21.4	30	105	.03
1,2-dichloropropane	0.265	0.371	-	-40*	30	121	.03
bromodichloromethane	0.386	0.471	-	-22	30	111	.03
1,4-dioxane	0.162	0.194	-	-19.8	30	107	.03
trichloroethene	0.368	0.451	-	-22.6	30	111	.03

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Air Volatiles

Client	: NYDEC_AECOM Environment		Lab Number	: L2603846	
Project Name	: POPULAR HAND LAUNDRY		Project Number	: CO 153512/ S V00170	
Instrument ID	: AIRLAB16		Calibration Date	: 02/03/26 12:34	
Lab File ID	: R1653977_EV2		Init. Calib. Date(s)	: 01/20/26	01/20/26
Sample No	: WG2171920-2		Init. Calib. Times	: 16:33	22:30
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
2,2,4-trimethylpentane	1.23	1.51	-	-22.8	30	109	.03
heptane	0.502	0.719	-	-43.2*	30	127	.03
cis-1,3-dichloropropene	0.367	0.52	-	-41.7*	30	118	.03
4-methyl-2-pentanone	0.575	0.838	-	-45.7*	30	124	.03
trans-1,3-dichloropropene	0.222	0.359	-	-61.7*	30	119	.02
1,1,2-trichloroethane	0.291	0.4	-	-37.5*	30	119	.03
chlorobenzene-D5	1	1	-	0	30	84	.02
toluene	6.744	8.682	-	-28.7	30	113	.03
2-hexanone	3.763	5.685	-	-51.1*	30	118	.03
dibromochloromethane	2.495	4.284	-	-71.7*	30	144	.03
1,2-dibromoethane	3.458	4.456	-	-28.9	30	108	.03
tetrachloroethene	2.762	3.444	-	-24.7	30	111	.03
1,1,1,2-tetrachloroethane	2.131	2.883	-	-35.3*	30	108	.03
chlorobenzene	6.295	6.938	-	-10.2	30	97	.02
ethylbenzene	8.37	10.894	-	-30.2*	30	112	.03
m+p-xylene	6.596	8.68	-	-31.6*	30	112	.02
bromoform	1.613	3.008	-	-86.5*	30	148	.02
styrene	5.717	6.984	-	-22.2	30	98	.02
1,1,2,2-tetrachloroethane	4.849	6.505	-	-34.2*	30	116	.02
o-xylene	6.737	8.71	-	-29.3	30	111	.02
1,2,3-Trichloropropane	3.988	4.152	-	-4.1	30	85	.03
isopropylbenzene	10.094	10.417	-	-3.2	30	84	.02
Bromobenzene	5.163	5.377	-	-4.1	30	85	.02
4-ethyl toluene	9.632	11.277	-	-17.1	30	99	.02
1,3,5-trimethylbenzene	8.209	9.834	-	-19.8	30	99	.02
tert-butylbenzene	8.101	9.792	-	-20.9	30	96	.03
1,2,4-trimethylbenzene	8.395	10.094	-	-20.2	30	100	.03
Benzyl Chloride	3.848	5.524	-	-43.6*	30	111	.03
1,3-dichlorobenzene	5.628	7.164	-	-27.3	30	104	.02
1,4-dichlorobenzene	5.686	7.113	-	-25.1	30	102	.02
sec-butylbenzene	12.162	12.867	-	-5.8	30	82	.02
p-isopropyltoluene	9.836	11.816	-	-20.1	30	92	.02
1,2-dichlorobenzene	5.353	6.756	-	-26.2	30	104	.03
n-butylbenzene	8.057	10.833	-	-34.5*	30	99	.02
1,2-dibromo-3-chloropropan	1.702	2.127	-	-25	30	86	.03
1,2,4-trichlorobenzene	3.097	4.536	-	-46.5*	30	105	.07
naphthalene	10.855	13.037	-	-20.1	30	81	.07
1,2,3-trichlorobenzene	3.051	3.722	-	-22	30	81	.07
hexachlorobutadiene	2.304	3.455	-	-50*	30	106	.07

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Air Volatiles

Client	: NYDEC_AECOM Environment	Lab Number	: L2603846		
Project Name	: POPULAR HAND LAUNDRY	Project Number	: CO 153512/ S V00170		
Instrument ID	: AIRPIANO4	Calibration Date	: 02/03/26 14:28		
Lab File ID	: R442283_EV2	Init. Calib. Date(s)	: 01/19/26	01/20/26	
Sample No	: WG2171899-2	Init. Calib. Times	: 22:36	04:27	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
bromochloromethane	1	1	-	0	30	112	0
propylene	0.564	0.538	-	4.6	30	130	0
dichlorodifluoromethane	1.087	1.073	-	1.3	30	111	0
chloromethane	0.498	0.539	-	-8.2	30	122	0
Freon-114	1.084	1.203	-	-11	30	127	0
vinyl chloride	0.567	0.574	-	-1.2	30	123	0
1,3-butadiene	0.433	0.483	-	-11.5	30	141	0
bromomethane	0.418	0.447	-	-6.9	30	132	0
chloroethane	0.277	0.332	-	-19.9	30	145	0
ethanol	0.475	0.385	-	18.9	30	107	0
vinyl bromide	0.525	0.601	-	-14.5	30	142	0
acrolein	0.425	0.325	-	23.5	30	93	0
acetone	0.726	0.834	-	-14.9	30	140	0
trichlorofluoromethane	0.873	0.881	-	-0.9	30	116	0
isopropyl alcohol	0.993	1.103	-	-11.1	30	131	0
acrylonitrile	0.733	0.67	-	8.6	30	108	0
1,1-dichloroethene	0.87	0.913	-	-4.9	30	122	0
tertiary butyl alcohol	1.318	1.349	-	-2.4	30	118	0
methylene chloride	0.828	0.835	-	-0.8	30	119	0
3-chloropropene	0.842	1.339	-	-59*	30	196	0
carbon disulfide	1.882	2.117	-	-12.5	30	137	0
Freon 113	1.155	1.179	-	-2.1	30	121	0
trans-1,2-dichloroethene	0.881	0.975	-	-10.7	30	141	0
1,1-dichloroethane	1.163	1.142	-	1.8	30	116	0
MTBE	1.531	1.738	-	-13.5	30	139	0
vinyl acetate	1.327	1.066	-	19.7	30	105	0
2-butanone	1.386	1.533	-	-10.6	30	137	0
cis-1,2-dichloroethene	0.889	0.879	-	1.1	30	117	0
Ethyl Acetate	0.24	0.277	-	-15.4	30	146	0
chloroform	1.27	1.243	-	2.1	30	116	0
Tetrahydrofuran	0.703	0.856	-	-21.8	30	151	0
1,2-dichloroethane	0.59	0.553	-	6.3	30	114	0
1,4-difluorobenzene	1	1	-	0	30	113	0
hexane	0.443	0.504	-	-13.8	30	140	0
1,1,1-trichloroethane	0.319	0.314	-	1.6	30	112	0
benzene	0.913	0.897	-	1.8	30	116	0
carbon tetrachloride	0.241	0.282	-	-17	30	127	0
cyclohexane	0.486	0.549	-	-13	30	139	0
Dibromomethane	0.248	0.256	-	-3.2	30	125	0
1,2-dichloropropane	0.295	0.289	-	2	30	116	0
bromodichloromethane	0.392	0.451	-	-15.1	30	140	0
1,4-dioxane	0.194	0.228	-	-17.5	30	143	0
trichloroethene	0.352	0.355	-	-0.9	30	119	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Air Volatiles

Client	: NYDEC_AECOM Environment		Lab Number	: L2603846	
Project Name	: POPULAR HAND LAUNDRY		Project Number	: CO 153512/ S V00170	
Instrument ID	: AIRPIANO4		Calibration Date	: 02/03/26 14:28	
Lab File ID	: R442283_EV2		Init. Calib. Date(s)	: 01/19/26	01/20/26
Sample No	: WG2171899-2		Init. Calib. Times	: 22:36	04:27
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
2,2,4-trimethylpentane	1.414	1.645	-	-16.3	30	142	0
heptane	0.461	0.541	-	-17.4	30	141	0
cis-1,3-dichloropropene	0.381	0.468	-	-22.8	30	140	0
4-methyl-2-pentanone	0.536	0.612	-	-14.2	30	135	0
trans-1,3-dichloropropene	0.252	0.332	-	-31.7*	30	144	0
1,1,2-trichloroethane	0.303	0.309	-	-2	30	118	0
chlorobenzene-D5	1	1	-	0	30	111	0
toluene	7.545	7.864	-	-4.2	30	119	0
2-hexanone	3.495	4.03	-	-15.3	30	130	0
dibromochloromethane	2.412	2.762	-	-14.5	30	132	0
1,2-dibromoethane	3.119	3.463	-	-11	30	122	0
tetrachloroethene	3.615	3.711	-	-2.7	30	117	0
1,1,1,2-tetrachloroethane	2.162	2.325	-	-7.5	30	118	0
chlorobenzene	6.152	6.399	-	-4	30	116	0
ethylbenzene	9.136	9.461	-	-3.6	30	114	0
m+p-xylene	7.289	7.753	-	-6.4	30	114	0
bromoform	2.321	1.878	-	19.1	30	86	0
styrene	5.645	6.205	-	-9.9	30	117	.02
1,1,2,2-tetrachloroethane	5.783	6.26	-	-8.2	30	116	0
o-xylene	7.311	7.758	-	-6.1	30	114	0
1,2,3-Trichloropropane	4.088	4.191	-	-2.5	30	112	0
isopropylbenzene	9.637	10.086	-	-4.7	30	112	0
Bromobenzene	5.567	5.835	-	-4.8	30	110	0
4-ethyl toluene	8.627	10.845	-	-25.7	30	135	0
1,3,5-trimethylbenzene	7.948	9.173	-	-15.4	30	118	0
tert-butylbenzene	8.953	9.745	-	-8.8	30	112	0
1,2,4-trimethylbenzene	7.752	9.126	-	-17.7	30	119	0
Benzyl Chloride	4.249	5.218	-	-22.8	30	120	0
1,3-dichlorobenzene	4.942	5.715	-	-15.6	30	114	0
1,4-dichlorobenzene	4.681	5.541	-	-18.4	30	115	0
sec-butylbenzene	12.077	12.419	-	-2.8	30	108	0
p-isopropyltoluene	10.55	11.329	-	-7.4	30	107	0
1,2-dichlorobenzene	4.783	5.398	-	-12.9	30	114	0
n-butylbenzene	8.248	9.168	-	-11.2	30	112	-.02
1,2-dibromo-3-chloropropan	1.571	1.023	-	34.9*	30	57	-.02
1,2,4-trichlorobenzene	3.077	3.99	-	-29.7	30	121	-.04
naphthalene	7.314	8.175	-	-11.8	30	101	-.03
1,2,3-trichlorobenzene	3.392	3.764	-	-11	30	104	-.03
hexachlorobutadiene	4.066	4.579	-	-12.6	30	114	-.04

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238353.D
Acq On : 02 Feb 2026 04:29 pm
Operator : AIRLAB23:TPH
Sample : WG2171514-2,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 02 17:17:14 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
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	0.00
2		propylene	0.382	0.436	-14.1	128	0.02
3		dichlorodifluoromethane	2.788	2.495	10.5	96	0.01
4	C	chloromethane	0.765	0.681	11.0	100	0.01
5		Freon-114	3.361	2.769	17.6	90	0.01
6	C	vinyl chloride	1.019	0.911	10.6	100	0.01
7	C	1,3-butadiene	0.624	0.550	11.9	106	0.02
8	C	bromomethane	1.223	1.086	11.2	96	0.01
9	C	chloroethane	0.588	0.506	13.9	96	0.02
10		ethanol	0.380	0.316	16.8	90	0.03
11	C	vinyl bromide	1.020	0.978	4.1	110	0.01
12	C	acrolein	0.321	0.261	18.7	90	0.02
13		acetone	0.963	0.867	10.0	106	0.02
14		trichlorofluoromethane	2.949	2.452	16.9	91	0.02
15		isopropyl alcohol	1.000	0.853	14.7	101	0.02
16	C	acrylonitrile	0.539	0.563	-4.5	116	0.02
17	C	1,1-dichloroethene	1.695	1.573	7.2	100	0.02
18		tertiary butyl alcohol	1.153	0.784	32.0#	60	0.03
19	C	methylene chloride	0.930	0.961	-3.3	124	0.02
20	C	3-chloropropene	0.646	0.647	-0.2	116	0.02
21	C	carbon disulfide	2.374	2.392	-0.8	117	0.02
22		Freon 113	2.371	2.117	10.7	99	0.01
23		trans-1,2-dichloroethene	1.158	1.050	9.3	106	0.01
24	C	1,1-dichloroethane	1.609	1.528	5.0	103	0.01
25	C	MTBE	2.300	1.903	17.3	96	0.02
26	C	vinyl acetate	1.367	0.669	51.1#	66	0.02
27	C	2-butanone	1.238	1.168	5.7	109	0.02
28		cis-1,2-dichloroethene	1.246	1.089	12.6	95	0.00
29		Ethyl Acetate	0.226	0.241	-6.6	121	0.02
30	C	chloroform	2.335	2.046	12.4	97	0.00
31		Tetrahydrofuran	0.603	0.596	1.2	124	0.00
32	C	1,2-dichloroethane	1.373	1.140	17.0	91	0.02
33	I	1,4-difluorobenzene	1.000	1.000	0.0	91	0.00
34	C	hexane	0.244	0.287	-17.6	123	0.00
36	C	1,1,1-trichloroethane	0.639	0.636	0.5	89	0.00
37	C	benzene	0.715	0.758	-6.0	100	0.00
38	C	carbon tetrachloride	0.674	0.614	8.9	88	0.00
39		cyclohexane	0.247	0.270	-9.3	113	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238353.D
Acq On : 02 Feb 2026 04:29 pm
Operator : AIRLAB23:TPH
Sample : WG2171514-2,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 02 17:17:14 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
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	0.353	0.326	7.6	89	0.00
41	C	1,2-dichloropropane	0.232	0.261	-12.5	108	0.00
42		bromodichloromethane	0.548	0.581	-6.0	106	0.00
43	C	1,4-dioxane	0.158	0.161	-1.9	101	0.00
44	C	trichloroethene	0.430	0.424	1.4	94	0.00
45	C	2,2,4-trimethylpentane	0.760	0.919	-20.9	128	0.00
46		heptane	0.230	0.273	-18.7	122	0.00
47	C	cis-1,3-dichloropropene	0.382	0.449	-17.5	108	0.00
48	C	4-methyl-2-pentanone	0.356	0.391	-9.8	109	0.00
49		trans-1,3-dichloropropene	0.301	0.351	-16.6	107	0.00
50	C	1,1,2-trichloroethane	0.361	0.372	-3.0	97	0.00
51	I	chlorobenzene-D5	1.000	1.000	0.0	84	0.00
52	C	toluene	7.086	7.681	-8.4	97	0.00
54		2-hexanone	2.471	2.786	-12.7	103	0.00
55		dibromochloromethane	5.039	5.508	-9.3	105	0.00
56	C	1,2-dibromoethane	4.347	4.731	-8.8	97	0.00
57	C	tetrachloroethene	4.611	4.729	-2.6	95	0.00
58		1,1,1,2-tetrachloroethane	3.721	3.544	4.8	85	0.00
59	C	chlorobenzene	6.254	6.640	-6.2	95	0.00
60	C	ethylbenzene	9.153	9.282	-1.4	89	0.00
61	C	m+p-xylene	6.900	7.371	-6.8	95	0.00
62	C	bromoform	4.718	5.386	-14.2	109	0.00
63	C	styrene	5.312	5.536	-4.2	90	0.00
64	C	1,1,2,2-tetrachloroethane	5.188	6.132	-18.2	104	0.00
65	C	o-xylene	7.028	7.278	-3.6	93	0.00
66		1,2,3-Trichloropropane	3.632	3.890	-7.1	97	0.00
68	C	isopropylbenzene	9.775	9.949	-1.8	89	0.00
69		Bromobenzene	4.404	4.491	-2.0	91	0.00
70		4-ethyl toluene	9.106	10.218	-12.2	105	0.00
71		1,3,5-trimethylbenzene	7.679	8.511	-10.8	98	0.00
72		tert-butylbenzene	9.463	9.180	3.0	88	0.00
73		1,2,4-trimethylbenzene	8.146	8.953	-9.9	95	0.00
74	C	Benzyl Chloride	5.375	5.716	-6.3	89	0.00
75		1,3-dichlorobenzene	6.718	7.544	-12.3	100	0.00
76	C	1,4-dichlorobenzene	6.512	7.478	-14.8	100	0.00
77		sec-butylbenzene	11.741	12.098	-3.0	91	0.00
78		p-isopropyltoluene	11.133	10.993	1.3	86	0.00
79		1,2-dichlorobenzene	6.385	7.261	-13.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238353.D
Acq On : 02 Feb 2026 04:29 pm
Operator : AIRLAB23:TPH
Sample : WG2171514-2,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 02 17:17:14 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
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	8.938	9.901	-10.8	95	0.00
81	1,2-dibromo-3-chloropropane	2.369	2.281	3.7	80	0.00
82 C	1,2,4-trichlorobenzene	5.392	6.838	-26.8	99	0.00
83	naphthalene	10.464	10.927	-4.4	74	0.00
84	1,2,3-trichlorobenzene	5.350	5.664	-5.9	83	0.00
85 C	hexachlorobutadiene	4.844	5.980	-23.5	104	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 : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238353.D
Acq On : 02 Feb 2026 04:29 pm
Operator : AIRLAB23:TPH
Sample : WG2171514-2,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 02 17:17:14 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2026\02\0202SIM\R238353.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.873	49	256103	10.000	ppbV	0.00
Standard Area = 256103			Recovery = 100.00%			
33) 1,4-difluorobenzene	11.059	114	957969	10.000	ppbV	0.00
Standard Area = 957969			Recovery = 100.00%			
51) chlorobenzene-D5	15.729	54	117966	10.000	ppbV	0.00
Standard Area = 117966			Recovery = 100.00%			
System Monitoring Compounds						
Target Compounds						Qvalue
2) propylene	3.800	41	55843M6	5.706	ppbV	
3) dichlorodifluoromethane	3.871	85	319504	4.474	ppbV	100
4) chloromethane	4.035	50	87186	4.451	ppbV	100
5) Freon-114	4.140	85	354603	4.120	ppbV	94
6) vinyl chloride	4.257	62	116706	4.473	ppbV	99
7) 1,3-butadiene	4.397	54	70485	4.408	ppbV	88
8) bromomethane	4.673	94	139026	4.439	ppbV	99
9) chloroethane	4.854	64	64765	4.304	ppbV	95
10) ethanol	5.006	31	202086	20.765	ppbV	88
11) vinyl bromide	5.224	106	125278	4.798	ppbV	99
12) acrolein	5.352	56	33461	4.069	ppbV #	93
13) acetone	5.487	43	555132	22.499	ppbV	94
14) trichlorofluoromethane	5.680	101	314037	4.158	ppbV	99
15) isopropyl alcohol	5.779	45	272957	10.659	ppbV	100
16) acrylonitrile	6.001	53	72067	5.221	ppbV	98
17) 1,1-dichloroethene	6.367	61	201488	4.641	ppbV	100
18) tertiary butyl alcohol	6.440	59	100330	3.398	ppbV	98
19) methylene chloride	6.507	49	123106	5.166	ppbV	100
20) 3-chloropropene	6.636	41	82817	5.003	ppbV	90
21) carbon disulfide	6.810	76	306283	5.037	ppbV #	92
22) Freon 113	6.804	101	271118	4.464	ppbV	98
23) trans-1,2-dichloroethene	7.539	61	134514	4.537	ppbV	97
24) 1,1-dichloroethane	7.761	63	195649	4.748	ppbV	100
25) MTBE	7.831	73	243654	4.136	ppbV	95
26) vinyl acetate	7.950	43	85664	2.448	ppbV	97
27) 2-butanone	8.205	43	149522	4.717	ppbV	98
28) cis-1,2-dichloroethene	8.694	61	139422	4.371	ppbV	95
29) Ethyl Acetate	8.963	61	30838	5.333	ppbV	60
30) chloroform	9.028	83	261967	4.381	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238353.D
Acq On : 02 Feb 2026 04:29 pm
Operator : AIRLAB23:TPH
Sample : WG2171514-2,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 02 17:17:14 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2026\02\0202SIM\R238353.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
31) Tetrahydrofuran	9.460	42	76373	4.949	ppbV		91
32) 1,2-dichloroethane	9.851	62	145927	4.149	ppbV		98
34) hexane	8.939	57	137380	5.873	ppbV		77
36) 1,1,1-trichloroethane	10.128	97	304507	4.973	ppbV		99
37) benzene	10.645	78	362949	5.297	ppbV		100
38) carbon tetrachloride	10.814	117	294036	4.553	ppbV		99
39) cyclohexane	10.946	56	129528	5.473	ppbV		89
40) Dibromomethane	11.540	93	156241	4.618	ppbV	#	99
41) 1,2-dichloropropane	11.568	63	125098	5.631	ppbV	#	94
42) bromodichloromethane	11.795	83	278492	5.307	ppbV		99
43) 1,4-dioxane	11.842	88	77066	5.082	ppbV		94
44) trichloroethene	11.851	130	203242	4.930	ppbV		99
45) 2,2,4-trimethylpentane	11.889	57	439987	6.042	ppbV		92
46) heptane	12.200	43	130746	5.926	ppbV	#	95
47) cis-1,3-dichloropropene	12.840	75	214865	5.873	ppbV		95
48) 4-methyl-2-pentanone	12.882	43	187271	5.493	ppbV		96
49) trans-1,3-dichloropropene	13.457	75	168197	5.839	ppbV		94
50) 1,1,2-trichloroethane	13.657	97	178074	5.156	ppbV		98
52) toluene	13.983	91	453045	5.420	ppbV		99
54) 2-hexanone	14.266	43	164336	5.638	ppbV	#	91
55) dibromochloromethane	14.433	129	324865	5.466	ppbV		100
56) 1,2-dibromoethane	14.692	107	279040	5.441	ppbV		100
57) tetrachloroethene	15.151	166	278940	5.128	ppbV		96
58) 1,1,1,2-tetrachloroethane	15.763	131	209062	4.763	ppbV		100
59) chlorobenzene	15.772	112	391648	5.309	ppbV		99
60) ethylbenzene	16.103	91	547487	5.071	ppbV		99
61) m+p-xylene	16.260	91	869504	10.683	ppbV		99
62) bromoform	16.329	173	317669	5.708	ppbV		100
63) styrene	16.573	104	326515	5.210	ppbV		99
64) 1,1,2,2-tetrachloroethane	16.660	83	361671	5.909	ppbV		99
65) o-xylene	16.660	91	429305	5.179	ppbV		100
66) 1,2,3-Trichloropropane	16.764	75	229450	5.355	ppbV		94
68) isopropylbenzene	17.147	105	586838	5.089	ppbV		100
69) Bromobenzene	17.217	77	264883	5.098	ppbV		99
70) 4-ethyl toluene	17.678	105	602684	5.611	ppbV		98
71) 1,3,5-trimethylbenzene	17.739	105	501997	5.542	ppbV		98
72) tert-butylbenzene	18.073	119	541439	4.850	ppbV		99
73) 1,2,4-trimethylbenzene	18.073	105	528061	5.495	ppbV		94
74) Benzyl Chloride	18.185	91	337121	5.317	ppbV		100
75) 1,3-dichlorobenzene	18.201	146	444991	5.615	ppbV		96

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238353.D
Acq On : 02 Feb 2026 04:29 pm
Operator : AIRLAB23:TPH
Sample : WG2171514-2,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 02 17:17:14 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2026\02\0202SIM\R238353.D
Sub List : Default-LCS-AP2 - All compounds listed

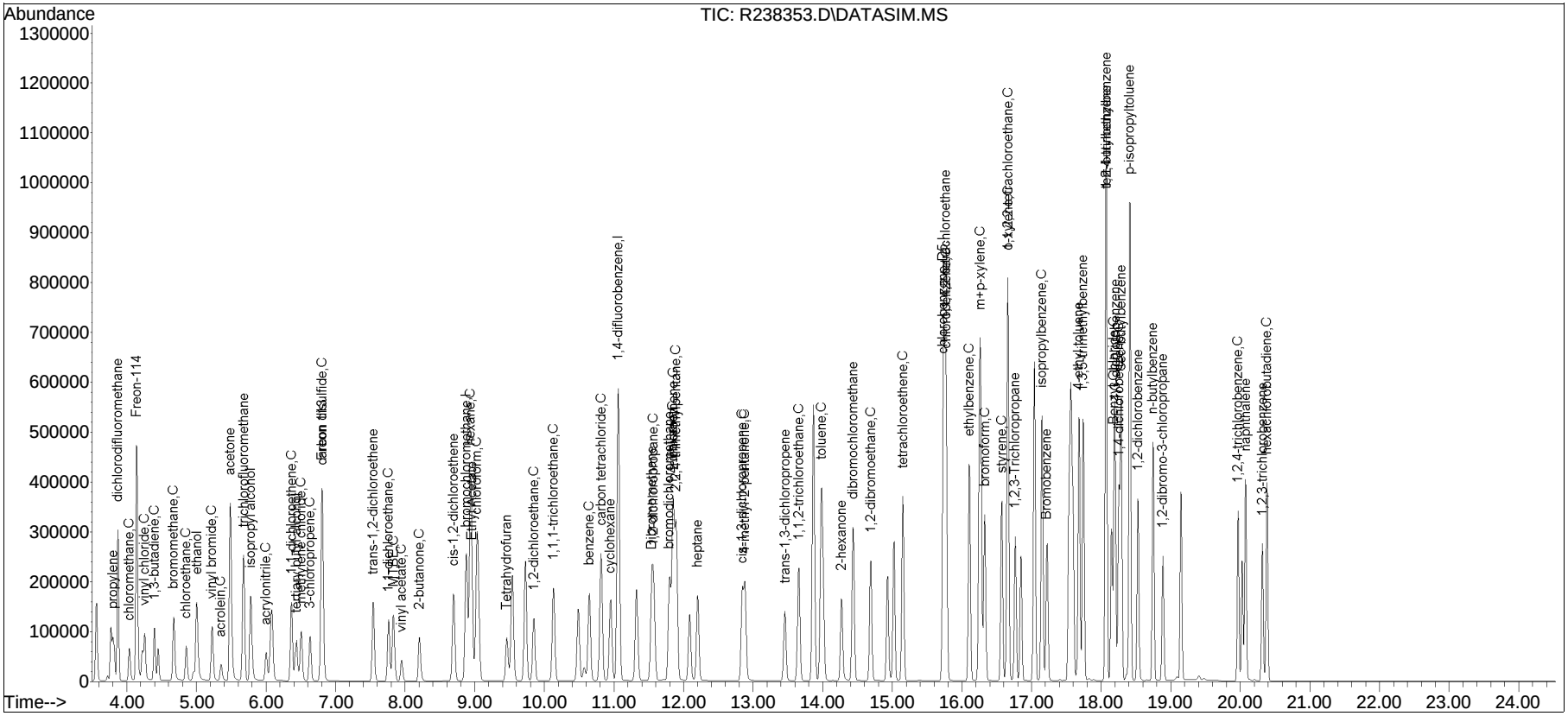
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 1,4-dichlorobenzene	18.257	146	441084	5.742	ppbV	97
77) sec-butylbenzene	18.289	105	713592	5.152	ppbV	99
78) p-isopropyltoluene	18.408	119	648382	4.937	ppbV	98
79) 1,2-dichlorobenzene	18.528	146	428274	5.686	ppbV	97
80) n-butylbenzene	18.744	91	583979	5.539	ppbV	97
81) 1,2-dibromo-3-chloropr...	18.887	75	134545	4.814	ppbV	92
82) 1,2,4-trichlorobenzene	19.965	180	403351	6.341	ppbV	96
83) naphthalene	20.077	128	644497	5.221	ppbV	97
84) 1,2,3-trichlorobenzene	20.316	180	334097	5.294	ppbV	95
85) hexachlorobutadiene	20.381	225	352726	6.172	ppbV	94

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

Sub List : Default-LCS-AP2 - All compounds listedM\R238353.D

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238353.D
Acq On : 02 Feb 2026 04:29 pm
Operator : AIRLAB23:TPH
Sample : WG2171514-2,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 02 17:17:14 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

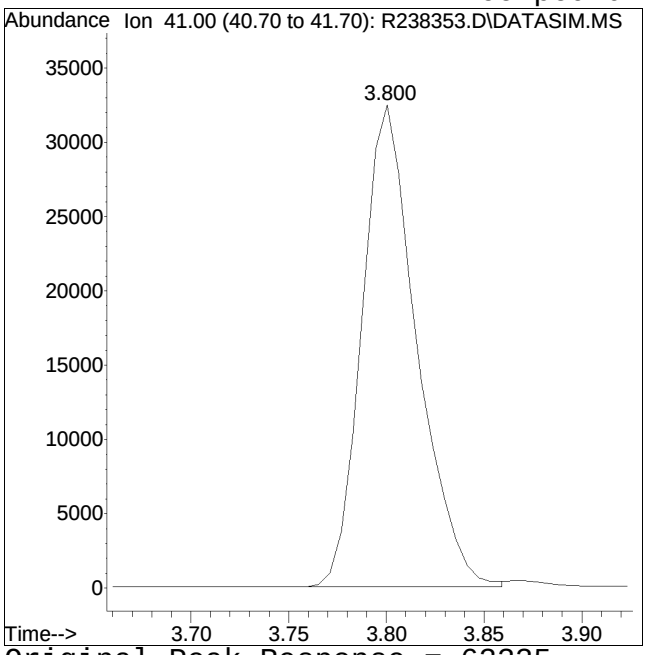


Manual Integration Report

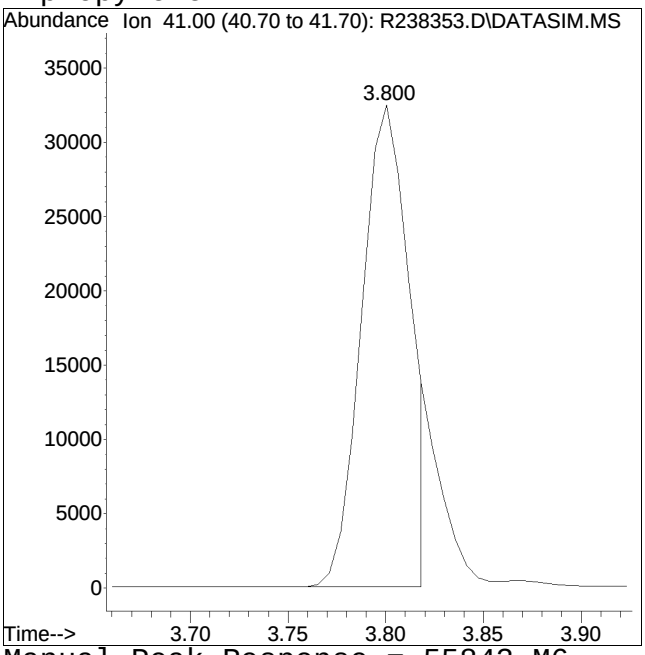
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R238353.D
Date Inj'd : 2/2/2026 4:29 pm
Sample : WG2171514-2,3,250,250

Method : TSIM23_251121.M
Operator : AIRLAB23:TPH
Instrument : Airlab23
Quant Date : 2/2/2026 5:17 pm

Compound #2: propylene



Original Peak Response = 63335



Manual Peak Response = 55843 M6

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

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2026\02\0203SIM\
Data File : r1653977_Ev2.D
Acq On : 3 Feb 2026 12:34 PM
Operator : AIRLAB16:TPH
Sample : WG2171920-2,3,250,250
Misc : WG2171920,ICAL22984
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 03 13:54:56 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\02\0203SIM\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 08:56:04 2026
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	84	0.03
2		propylene	0.522	0.740	-41.8#	125	0.01
3		dichlorodifluoromethane	1.219	1.260	-3.4	91	0.01
4	C	chloromethane	0.711	0.838	-17.9	101	0.01
5		Freon-114	1.524	1.704	-11.8	98	0.02
6	C	vinyl chloride	0.631	0.717	-13.6	103	0.02
7	C	1,3-butadiene	0.499	0.599	-20.0	105	0.02
8	C	bromomethane	0.507	0.612	-20.7	113	0.02
9	C	chloroethane	0.282	0.311	-10.3	101	0.02
10		ethanol	0.480	0.424	11.7	66	0.02
11	C	vinyl bromide	0.524	0.704	-34.4#	130	0.02
12	C	acrolein	0.322	0.251	22.0	74	0.03
13		acetone	0.777	1.077	-38.6#	125	0.02
14		trichlorofluoromethane	1.068	1.247	-16.8	103	0.02
15		isopropyl alcohol	0.952	1.129	-18.6	113	0.02
16	C	acrylonitrile	0.581	0.503	13.4	71	0.03
17	C	1,1-dichloroethene	0.822	1.028	-25.1	112	0.02
18		tertiary butyl alcohol	0.878	0.965	-9.9	97	0.02
19	C	methylene chloride	0.833	0.922	-10.7	96	0.02
20	C	3-chloropropene	0.776	1.199	-54.5#	137	0.02
21	C	carbon disulfide	1.885	2.133	-13.2	104	0.03
22		Freon 113	1.232	1.583	-28.5	115	0.03
23		trans-1,2-dichloroethene	0.760	0.999	-31.4#	119	0.02
24	C	1,1-dichloroethane	1.021	1.325	-29.8	116	0.03
25	C	MTBE	1.528	1.742	-14.0	104	0.03
26	C	vinyl acetate	1.153	1.276	-10.7	102	0.03
27	C	2-butanone	1.254	1.768	-41.0#	123	0.03
28		cis-1,2-dichloroethene	0.782	0.985	-26.0	112	0.03
29		Ethyl Acetate	0.171	0.259	-51.5#	132	0.03
30	C	chloroform	1.191	1.228	-3.1	95	0.03
31		Tetrahydrofuran	0.672	1.058	-57.4#	139	0.03
32	C	1,2-dichloroethane	0.596	0.700	-17.4	103	0.03
33	I	1,4-difluorobenzene	1.000	1.000	0.0	84	0.03
34	C	hexane	0.420	0.445	-6.0	107	0.03
36	C	1,1,1-trichloroethane	0.309	0.393	-27.2	113	0.03
37	C	benzene	0.901	0.923	-2.4	91	0.03
38	C	carbon tetrachloride	0.287	0.370	-28.9	114	0.03
39		cyclohexane	0.412	0.476	-15.5	105	0.03

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2026\02\0203SIM\
Data File : r1653977_Ev2.D
Acq On : 3 Feb 2026 12:34 PM
Operator : AIRLAB16:TPH
Sample : WG2171920-2,3,250,250
Misc : WG2171920,ICAL22984
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 03 13:54:56 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\02\0203SIM\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 08:56:04 2026
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	0.243	0.295	-21.4	105	0.03
41	C	1,2-dichloropropane	0.265	0.371	-40.0#	121	0.03
42		bromodichloromethane	0.386	0.471	-22.0	111	0.03
43	C	1,4-dioxane	0.162	0.194	-19.8	107	0.03
44	C	trichloroethene	0.368	0.451	-22.6	111	0.03
45	C	2,2,4-trimethylpentane	1.230	1.510	-22.8	109	0.03
46		heptane	0.502	0.719	-43.2#	127	0.03
47	C	cis-1,3-dichloropropene	0.367	0.520	-41.7#	118	0.03
48	C	4-methyl-2-pentanone	0.575	0.838	-45.7#	124	0.03
49		trans-1,3-dichloropropene	0.222	0.359	-61.7#	119	0.02
50	C	1,1,2-trichloroethane	0.291	0.400	-37.5#	119	0.03
51	I	chlorobenzene-D5	1.000	1.000	0.0	84	0.02
52	C	toluene	6.744	8.682	-28.7	113	0.03
54		2-hexanone	3.763	5.685	-51.1#	118	0.03
55		dibromochloromethane	2.495	4.284	-71.7#	144#	0.03
56	C	1,2-dibromoethane	3.458	4.456	-28.9	108	0.03
57	C	tetrachloroethene	2.762	3.444	-24.7	111	0.03
58		1,1,1,2-tetrachloroethane	2.131	2.883	-35.3#	108	0.03
59	C	chlorobenzene	6.295	6.938	-10.2	97	0.02
60	C	ethylbenzene	8.370	10.894	-30.2#	112	0.03
61	C	m+p-xylene	6.596	8.680	-31.6#	112	0.02
62	C	bromoform	1.613	3.008	-86.5#	148#	0.02
63	C	styrene	5.717	6.984	-22.2	98	0.02
64	C	1,1,2,2-tetrachloroethane	4.849	6.505	-34.2#	116	0.02
65	C	o-xylene	6.737	8.710	-29.3	111	0.02
66		1,2,3-Trichloropropane	3.988	4.152	-4.1	85	0.03
68	C	isopropylbenzene	10.094	10.417	-3.2	84	0.02
69		Bromobenzene	5.163	5.377	-4.1	85	0.02
70		4-ethyl toluene	9.632	11.277	-17.1	99	0.02
71		1,3,5-trimethylbenzene	8.209	9.834	-19.8	99	0.02
72		tert-butylbenzene	8.101	9.792	-20.9	96	0.03
73		1,2,4-trimethylbenzene	8.395	10.094	-20.2	100	0.03
74	C	Benzyl Chloride	3.848	5.524	-43.6#	111	0.03
75		1,3-dichlorobenzene	5.628	7.164	-27.3	104	0.02
76	C	1,4-dichlorobenzene	5.686	7.113	-25.1	102	0.02
77		sec-butylbenzene	12.162	12.867	-5.8	82	0.02
78		p-isopropyltoluene	9.836	11.816	-20.1	92	0.02
79		1,2-dichlorobenzene	5.353	6.756	-26.2	104	0.03

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2026\02\0203SIM\
Data File : r1653977_Ev2.D
Acq On : 3 Feb 2026 12:34 PM
Operator : AIRLAB16:TPH
Sample : WG2171920-2,3,250,250
Misc : WG2171920,ICAL22984
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 03 13:54:56 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\02\0203SIM\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 08:56:04 2026
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	8.057	10.833	-34.5#	99	0.02
81	1,2-dibromo-3-chloropropane	1.702	2.127	-25.0	86	0.03
82 C	1,2,4-trichlorobenzene	3.097	4.536	-46.5#	105	0.07
83	naphthalene	10.855	13.037	-20.1	81	0.07
84	1,2,3-trichlorobenzene	3.051	3.722	-22.0	81	0.07
85 C	hexachlorobutadiene	2.304	3.455	-50.0#	106	0.07

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 14

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2026\02\0203SIM\
Data File : r1653977_Ev2.D
Acq On : 3 Feb 2026 12:34 PM
Operator : AIRLAB16:TPH
Sample : WG2171920-2,3,250,250
Misc : WG2171920,ICAL22879
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 03 13:54:56 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\02\0203SIM\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 08:56:04 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\02\0203SIM\r1653977_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	9.100	49	206599	10.000	ppbV	#	0.03
Standard Area = 206599			Recovery = 100.00%				
33) 1,4-difluorobenzene	11.313	114	553890	10.000	ppbV		0.03
Standard Area = 553890			Recovery = 100.00%				
51) chlorobenzene-D5	15.983	54	72598	10.000	ppbV		0.02
Standard Area = 72598			Recovery = 100.00%				
System Monitoring Compounds							
Target Compounds							Qvalue
2) propylene	3.934	41	76469M6	7.091	ppbV		
3) dichlorodifluoromethane	4.006	85	130163	5.170	ppbV		98
4) chloromethane	4.174	50	86534	5.890	ppbV		95
5) Freon-114	4.288	85	175987	5.591	ppbV		92
6) vinyl chloride	4.408	62	74104	5.688	ppbV		96
7) 1,3-butadiene	4.552	54	61892	6.005	ppbV		92
8) bromomethane	4.834	94	63211	6.034	ppbV		97
9) chloroethane	5.020	64	32127	5.520	ppbV		90
10) ethanol	5.176	31	219027M3	22.094	ppbV		
11) vinyl bromide	5.403	106	72719	6.714	ppbV		95
12) acrolein	5.540	56	25898	3.888	ppbV		94
13) acetone	5.673	43	556336	34.663	ppbV	#	91
14) trichlorofluoromethane	5.860	101	128791	5.835	ppbV		99
15) isopropyl alcohol	5.967	45	291663	14.834	ppbV		99
16) acrylonitrile	6.197	53	51935	4.329	ppbV		99
17) 1,1-dichloroethene	6.558	61	106221	6.253	ppbV		95
18) tertiary butyl alcohol	6.618	59	99706	5.496	ppbV	#	88
19) methylene chloride	6.702	49	95263	5.532	ppbV		98
20) 3-chloropropene	6.828	41	123854	7.724	ppbV	#	90
21) carbon disulfide	7.002	76	220388	5.659	ppbV		98
22) Freon 113	7.002	101	163491	6.426	ppbV		90
23) trans-1,2-dichloroethene	7.742	61	103199	6.577	ppbV		99
24) 1,1-dichloroethane	7.967	63	136826	6.484	ppbV		99
25) MTBE	8.033	73	179923	5.698	ppbV		97
26) vinyl acetate	8.150	43	131840	5.536	ppbV	#	95
27) 2-butanone	8.408	43	182610	7.048	ppbV		97
28) cis-1,2-dichloroethene	8.908	61	101772	6.298	ppbV		99
29) Ethyl Acetate	9.175	61	26777	7.574	ppbV		71
30) chloroform	9.250	83	126877	5.156	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2026\02\0203SIM\
Data File : r1653977_Ev2.D
Acq On : 3 Feb 2026 12:34 PM
Operator : AIRLAB16:TPH
Sample : WG2171920-2,3,250,250
Misc : WG2171920,ICAL22879
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 03 13:54:56 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\02\0203SIM\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 08:56:04 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\02\0203SIM\r1653977_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
31) Tetrahydrofuran	9.683	42	109342	7.871	ppbV		93
32) 1,2-dichloroethane	10.083	62	72262	5.870	ppbV		93
34) hexane	9.158	57	123322	5.297	ppbV	#	70
36) 1,1,1-trichloroethane	10.367	97	108702	6.360	ppbV		99
37) benzene	10.893	78	255583	5.119	ppbV		98
38) carbon tetrachloride	11.060	117	102467	6.442	ppbV		97
39) cyclohexane	11.200	56	131705	5.773	ppbV	#	91
40) Dibromomethane	11.800	93	81650	6.072	ppbV	#	96
41) 1,2-dichloropropane	11.833	63	102880	7.006	ppbV		96
42) bromodichloromethane	12.060	83	130566	6.104	ppbV		97
43) 1,4-dioxane	12.093	88	53760	5.986	ppbV		97
44) trichloroethene	12.113	130	124863	6.118	ppbV		98
45) 2,2,4-trimethylpentane	12.153	57	418196	6.139	ppbV		93
46) heptane	12.467	43	199099	7.161	ppbV		93
47) cis-1,3-dichloropropene	13.117	75	144090	7.094	ppbV		95
48) 4-methyl-2-pentanone	13.150	43	232052	7.285	ppbV		97
49) trans-1,3-dichloropropene	13.733	75	99495	8.093	ppbV	#	90
50) 1,1,2-trichloroethane	13.933	97	110774	6.873	ppbV		92
52) toluene	14.250	91	315138	6.437	ppbV		99
54) 2-hexanone	14.525	43	206359M3	7.554	ppbV		
55) dibromochloromethane	14.692	129	155513	8.586	ppbV		99
56) 1,2-dibromoethane	14.942	107	161760	6.444	ppbV		99
57) tetrachloroethene	15.400	166	125030	6.237	ppbV		99
58) 1,1,1,2-tetrachloroethane	16.008	131	104668	6.765	ppbV		99
59) chlorobenzene	16.025	112	251858	5.511	ppbV		96
60) ethylbenzene	16.358	91	395437	6.508	ppbV		91
61) m+p-xylene	16.517	91	630135	13.159	ppbV		87
62) bromoform	16.592	173	109189	9.325	ppbV		99
63) styrene	16.842	104	253497	6.107	ppbV		99
64) 1,1,2,2-tetrachloroethane	16.925	83	236137	6.708	ppbV		97
65) o-xylene	16.933	91	316155	6.464	ppbV		88
66) 1,2,3-Trichloropropane	17.042	75	150710	5.206	ppbV		96
68) isopropylbenzene	17.442	105	378116	5.160	ppbV		91
69) Bromobenzene	17.525	77	195172	5.207	ppbV		91
70) 4-ethyl toluene	18.008	105	409329	5.854	ppbV		92
71) 1,3,5-trimethylbenzene	18.067	105	356949	5.990	ppbV		89
72) tert-butylbenzene	18.417	119	355454	6.044	ppbV		96
73) 1,2,4-trimethylbenzene	18.417	105	366420	6.012	ppbV		93
74) Benzyl Chloride	18.542	91	200529	7.179	ppbV		99
75) 1,3-dichlorobenzene	18.558	146	260036	6.364	ppbV		97

Data Path : X:\Airlab\Data\Airlab16\2026\02\0203SIM\
Data File : r1653977_Ev2.D
Acq On : 3 Feb 2026 12:34 PM
Operator : AIRLAB16:TPH
Sample : WG2171920-2,3,250,250
Misc : WG2171920,ICAL22879
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 03 13:54:56 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\02\0203SIM\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 08:56:04 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\02\0203SIM\r1653977_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

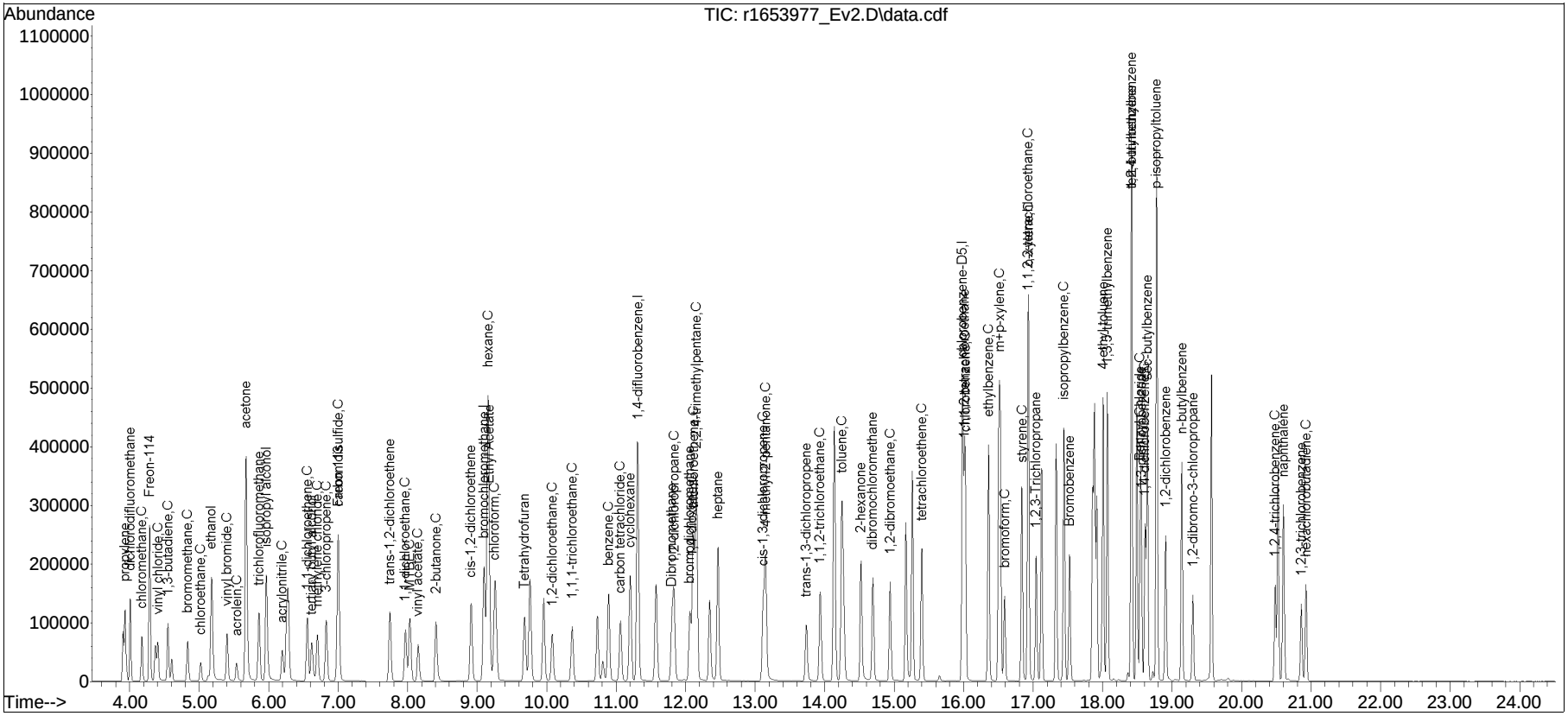
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 1,4-dichlorobenzene	18.608	146	258179	6.254	ppbV	94
77) sec-butylbenzene	18.642	105	467053	5.290	ppbV	96
78) p-isopropyltoluene	18.775	119	428897	6.006	ppbV	97
79) 1,2-dichlorobenzene	18.908	146	245230	6.310	ppbV	97
80) n-butylbenzene	19.142	91	393224	6.722	ppbV	97
81) 1,2-dibromo-3-chloropr...	19.300	75	77207	6.249	ppbV	87
82) 1,2,4-trichlorobenzene	20.483	180	164659	7.323	ppbV	99
83) naphthalene	20.600	128	473225	6.005	ppbV	98
84) 1,2,3-trichlorobenzene	20.858	180	135109	6.099	ppbV	98
85) hexachlorobutadiene	20.925	225	125427	7.500	ppbV	96

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

Sub List : Default-LCS-AP2 - All compounds listedM\r1653977_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2026\02\0203SIM\
Data File : r1653977_Ev2.D
Acq On : 3 Feb 2026 12:34 PM
Operator : AIRLAB16:TPH
Sample : WG2171920-2,3,250,250
Misc : WG2171920,ICAL22879
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 03 13:54:56 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\02\0203SIM\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 08:56:04 2026
Response via : Initial Calibration

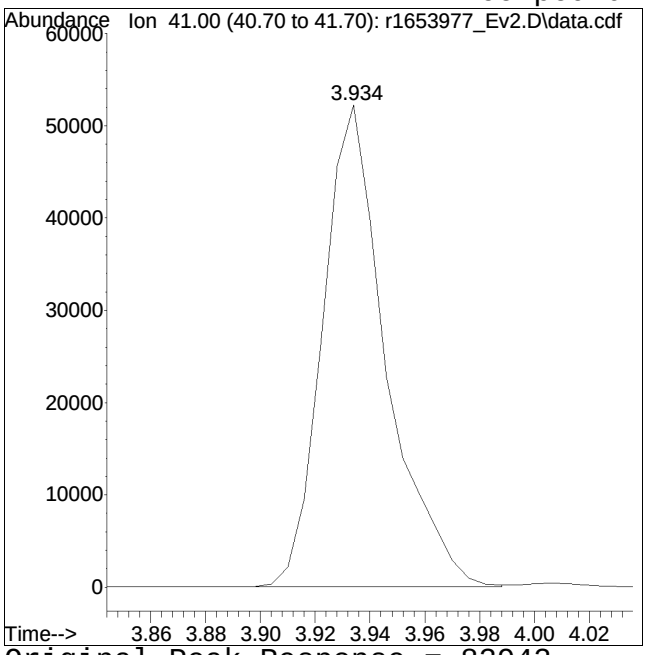


Manual Integration Report

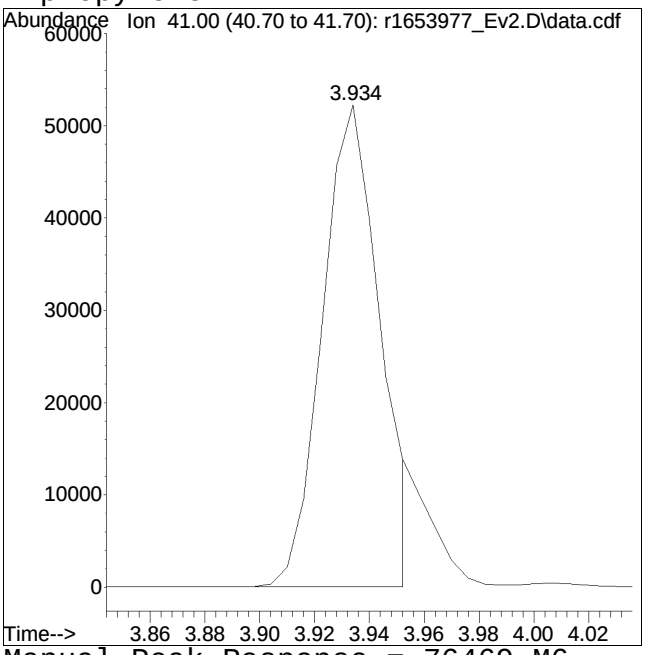
Data Path : X:\Airlab\Data\Airlab16\20Q
Data File : r1653977_Ev2.D
Date Inj'd : 2/3/2026 12:34 PM
Sample : WG2171920-2,3,250,250

Method : TSIM16_260120.M
Operator : AIRLAB16:TPH
Instrument :
Quant Date : 2/3/2026 1:54 pm

Compound #2: propylene



Original Peak Response = 83942



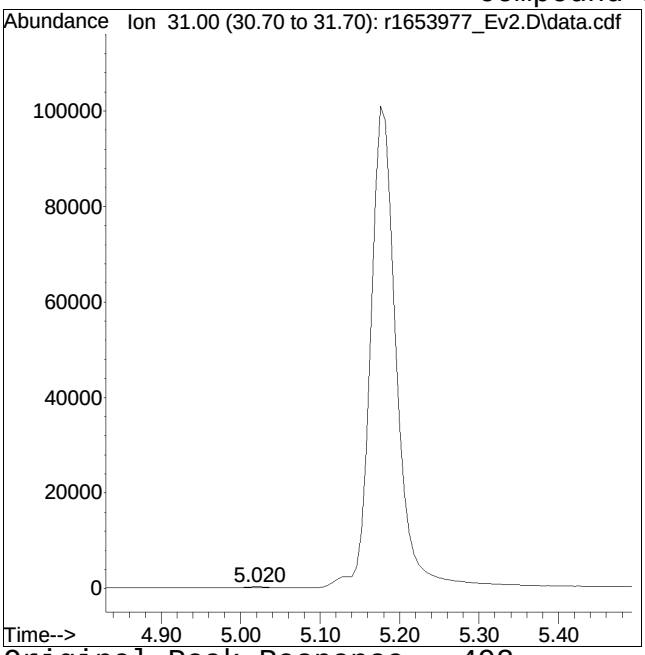
Manual Peak Response = 76469 M6

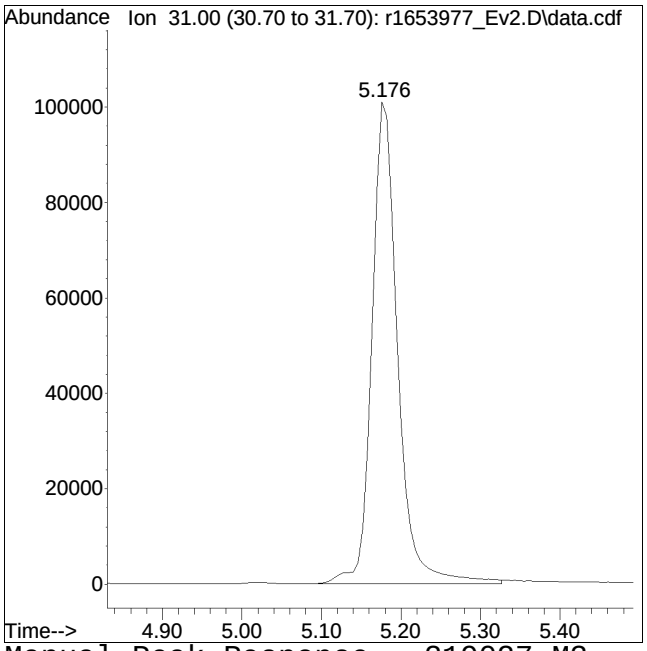
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653977_Ev2.D Operator : AIRLAB16:TPH
Date Inj'd : 2/3/2026 12:34 PM Instrument :
Sample : WG2171920-2,3,250,250 Quant Date : 2/3/2026 1:54 pm

Compound #10: ethanol





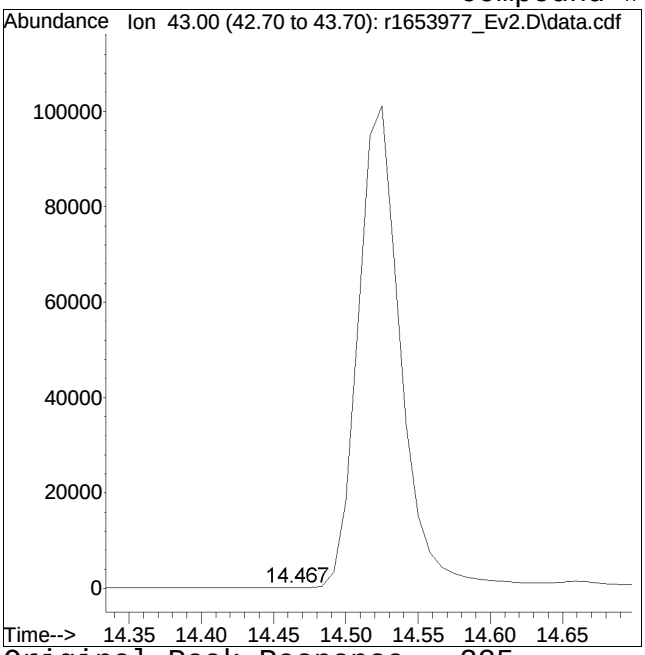
Original Peak Response = 492 Manual Peak Response = 219027 M3

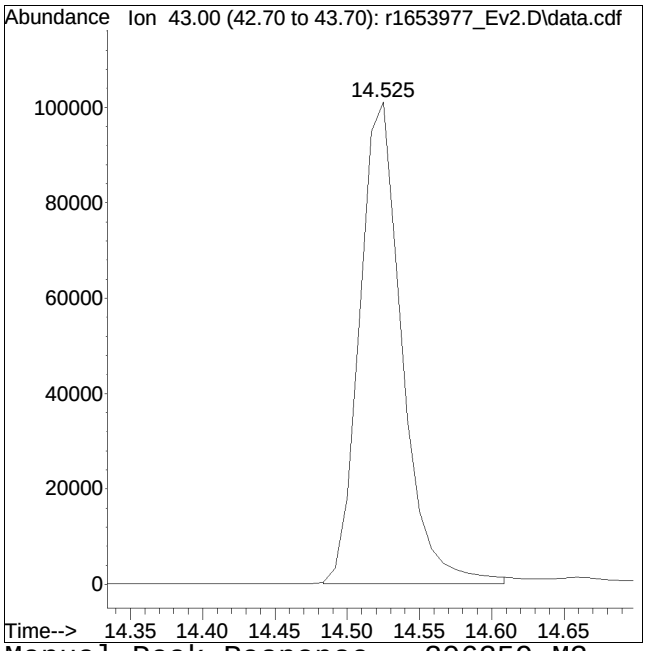
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653977_Ev2.D Operator : AIRLAB16:TPH
Date Inj'd : 2/3/2026 12:34 PM Instrument :
Sample : WG2171920-2,3,250,250 Quant Date : 2/3/2026 1:54 pm

Compound #54: 2-hexanone





Original Peak Response = 225 Manual Peak Response = 206359 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 : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\
Data File : r442283_Ev2.D
Acq On : 3 Feb 2026 2:28 PM
Operator : AIRPIANO4:TPH
Sample : WG2171899-2,3,250,250
Misc : WG2171899,ICAL22994
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 03 15:38:59 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:55 2026
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	0.564	0.538	4.6	130	0.00
3		dichlorodifluoromethane	1.087	1.073	1.3	111	0.00
4	C	chloromethane	0.498	0.539	-8.2	122	0.00
5		Freon-114	1.084	1.203	-11.0	127	0.00
6	C	vinyl chloride	0.567	0.574	-1.2	123	0.00
7	C	1,3-butadiene	0.433	0.483	-11.5	141#	0.00
8	C	bromomethane	0.418	0.447	-6.9	132	0.00
9	C	chloroethane	0.277	0.332	-19.9	145#	0.00
10		ethanol	0.475	0.385	18.9	107	0.00
11	C	vinyl bromide	0.525	0.601	-14.5	142#	0.00
12	C	acrolein	0.425	0.325	23.5	93	0.00
13		acetone	0.726	0.834	-14.9	140	0.00
14		trichlorofluoromethane	0.873	0.881	-0.9	116	0.00
15		isopropyl alcohol	0.993	1.103	-11.1	131	0.00
16	C	acrylonitrile	0.733	0.670	8.6	108	0.00
17	C	1,1-dichloroethene	0.870	0.913	-4.9	122	0.00
18		tertiary butyl alcohol	1.318	1.349	-2.4	118	0.00
19	C	methylene chloride	0.828	0.835	-0.8	119	0.00
20	C	3-chloropropene	0.842	1.339	-59.0#	196#	0.00
21	C	carbon disulfide	1.882	2.117	-12.5	137	0.00
22		Freon 113	1.155	1.179	-2.1	121	0.00
23		trans-1,2-dichloroethene	0.881	0.975	-10.7	141#	0.00
24	C	1,1-dichloroethane	1.163	1.142	1.8	116	0.00
25	C	MTBE	1.531	1.738	-13.5	139	0.00
26	C	vinyl acetate	1.327	1.066	19.7	105	0.00
27	C	2-butanone	1.386	1.533	-10.6	137	0.00
28		cis-1,2-dichloroethene	0.889	0.879	1.1	117	0.00
29		Ethyl Acetate	0.240	0.277	-15.4	146#	0.00
30	C	chloroform	1.270	1.243	2.1	116	0.00
31		Tetrahydrofuran	0.703	0.856	-21.8	151#	0.00
32	C	1,2-dichloroethane	0.590	0.553	6.3	114	0.00
33	I	1,4-difluorobenzene	1.000	1.000	0.0	113	0.00
34	C	hexane	0.443	0.504	-13.8	140#	0.00
36	C	1,1,1-trichloroethane	0.319	0.314	1.6	112	0.00
37	C	benzene	0.913	0.897	1.8	116	0.00
38	C	carbon tetrachloride	0.241	0.282	-17.0	127	0.00
39		cyclohexane	0.486	0.549	-13.0	139	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\
Data File : r442283_Ev2.D
Acq On : 3 Feb 2026 2:28 PM
Operator : AIRPIANO4:TPH
Sample : WG2171899-2,3,250,250
Misc : WG2171899,ICAL22994
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 03 15:38:59 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:55 2026
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	0.248	0.256	-3.2	125	0.00
41	C	1,2-dichloropropane	0.295	0.289	2.0	116	0.00
42		bromodichloromethane	0.392	0.451	-15.1	140#	0.00
43	C	1,4-dioxane	0.194	0.228	-17.5	143#	0.00
44	C	trichloroethene	0.352	0.355	-0.9	119	0.00
45	C	2,2,4-trimethylpentane	1.414	1.645	-16.3	142#	0.00
46		heptane	0.461	0.541	-17.4	141#	0.00
47	C	cis-1,3-dichloropropene	0.381	0.468	-22.8	140#	0.00
48	C	4-methyl-2-pentanone	0.536	0.612	-14.2	135	0.00
49		trans-1,3-dichloropropene	0.252	0.332	-31.7#	144#	0.00
50	C	1,1,2-trichloroethane	0.303	0.309	-2.0	118	0.00
51	I	chlorobenzene-D5	1.000	1.000	0.0	111	0.00
52	C	toluene	7.545	7.864	-4.2	119	0.00
54		2-hexanone	3.495	4.030	-15.3	130	0.00
55		dibromochloromethane	2.412	2.762	-14.5	132	0.00
56	C	1,2-dibromoethane	3.119	3.463	-11.0	122	0.00
57	C	tetrachloroethene	3.615	3.711	-2.7	117	0.00
58		1,1,1,2-tetrachloroethane	2.162	2.325	-7.5	118	0.00
59	C	chlorobenzene	6.152	6.399	-4.0	116	0.00
60	C	ethylbenzene	9.136	9.461	-3.6	114	0.00
61	C	m+p-xylene	7.289	7.753	-6.4	114	0.00
62	C	bromoform	2.321	1.878	19.1	86	0.00
63	C	styrene	5.645	6.205	-9.9	117	0.02
64	C	1,1,2,2-tetrachloroethane	5.783	6.260	-8.2	116	0.00
65	C	o-xylene	7.311	7.758	-6.1	114	0.00
66		1,2,3-Trichloropropane	4.088	4.191	-2.5	112	0.00
68	C	isopropylbenzene	9.637	10.086	-4.7	112	0.00
69		Bromobenzene	5.567	5.835	-4.8	110	0.00
70		4-ethyl toluene	8.627	10.845	-25.7	135	0.00
71		1,3,5-trimethylbenzene	7.948	9.173	-15.4	118	0.00
72		tert-butylbenzene	8.953	9.745	-8.8	112	0.00
73		1,2,4-trimethylbenzene	7.752	9.126	-17.7	119	0.00
74	C	Benzyl Chloride	4.249	5.218	-22.8	120	0.00
75		1,3-dichlorobenzene	4.942	5.715	-15.6	114	0.00
76	C	1,4-dichlorobenzene	4.681	5.541	-18.4	115	0.00
77		sec-butylbenzene	12.077	12.419	-2.8	108	0.00
78		p-isopropyltoluene	10.550	11.329	-7.4	107	0.00
79		1,2-dichlorobenzene	4.783	5.398	-12.9	114	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\
Data File : r442283_Ev2.D
Acq On : 3 Feb 2026 2:28 PM
Operator : AIRPIANO4:TPH
Sample : WG2171899-2,3,250,250
Misc : WG2171899,ICAL22994
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 03 15:38:59 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:55 2026
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	8.248	9.168	-11.2	112	-0.02
81	1,2-dibromo-3-chloropropane	1.571	1.023	34.9#	57#	-0.02
82 C	1,2,4-trichlorobenzene	3.077	3.990	-29.7	121	-0.04
83	naphthalene	7.314	8.175	-11.8	101	-0.03
84	1,2,3-trichlorobenzene	3.392	3.764	-11.0	104	-0.03
85 C	hexachlorobutadiene	4.066	4.579	-12.6	114	-0.04

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\
Data File : r442283_Ev2.D
Acq On : 3 Feb 2026 2:28 PM
Operator : AIRPIANO4:TPH
Sample : WG2171899-2,3,250,250
Misc : WG2171899,ICAL22994
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 03 15:38:59 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:55 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\r442283_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.242	49	346658	10.000	ppbV	0.00
Standard Area = 346658			Recovery = 100.00%			
33) 1,4-difluorobenzene	11.460	114	993616	10.000	ppbV	0.00
Standard Area = 993616			Recovery = 100.00%			
51) chlorobenzene-D5	16.108	54	132612	10.000	ppbV	0.00
Standard Area = 132612			Recovery = 100.00%			
System Monitoring Compounds						
Target Compounds						Qvalue
2) propylene	4.078	41	93166M6	4.766	ppbV	
3) dichlorodifluoromethane	4.156	85	186004	4.935	ppbV	100
4) chloromethane	4.324	50	93446	5.410	ppbV	100
5) Freon-114	4.432	85	208482	5.548	ppbV	100
6) vinyl chloride	4.558	62	99405	5.056	ppbV	99
7) 1,3-butadiene	4.702	54	83771	5.582	ppbV	96
8) bromomethane	4.990	94	77460	5.342	ppbV	99
9) chloroethane	5.182	64	57462	5.979	ppbV	97
10) ethanol	5.332	31	333686	20.271	ppbV	98
11) vinyl bromide	5.560	106	104148	5.724	ppbV	99
12) acrolein	5.697	56	56416	3.827	ppbV	99
13) acetone	5.840	43	722526	28.705	ppbV	98
14) trichlorofluoromethane	6.017	101	152634	5.045	ppbV	100
15) isopropyl alcohol	6.147	45	477763	13.874	ppbV	100
16) acrylonitrile	6.340	53	116080	4.571	ppbV	99
17) 1,1-dichloroethene	6.708	61	158226	5.244	ppbV	100
18) tertiary butyl alcohol	6.834	59	233825	5.119	ppbV	99
19) methylene chloride	6.846	49	144772	5.042	ppbV	100
20) 3-chloropropene	6.978	41	232097	7.947	ppbV	99
21) carbon disulfide	7.152	76	366925	5.624	ppbV	100
22) Freon 113	7.146	101	204332	5.105	ppbV	99
23) trans-1,2-dichloroethene	7.883	61	168954	5.529	ppbV	99
24) 1,1-dichloroethane	8.108	63	197967	4.912	ppbV	99
25) MTBE	8.200	73	301255	5.676	ppbV	99
26) vinyl acetate	8.292	43	184800	4.018	ppbV	100
27) 2-butanone	8.567	43	265718	5.529	ppbV	100
28) cis-1,2-dichloroethene	9.058	61	152290	4.942	ppbV	96
29) Ethyl Acetate	9.325	61	48008	5.781	ppbV	93
30) chloroform	9.392	83	215432	4.894	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\
Data File : r442283_Ev2.D
Acq On : 3 Feb 2026 2:28 PM
Operator : AIRPIANO4:TPH
Sample : WG2171899-2,3,250,250
Misc : WG2171899,ICAL22994
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 03 15:38:59 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:55 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\r442283_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
31) Tetrahydrofuran	9.850	42	148368	6.088	ppbV		99
32) 1,2-dichloroethane	10.225	62	95783	4.683	ppbV		99
34) hexane	9.308	57	250214	5.687	ppbV		87
36) 1,1,1-trichloroethane	10.517	97	155770	4.917	ppbV		98
37) benzene	11.040	78	445611	4.911	ppbV		100
38) carbon tetrachloride	11.213	117	139854	5.843	ppbV		98
39) cyclohexane	11.353	56	272935	5.652	ppbV		99
40) Dibromomethane	11.947	93	126993	5.152	ppbV	#	100
41) 1,2-dichloropropane	11.980	63	143418	4.885	ppbV		97
42) bromodichloromethane	12.207	83	224012	5.752	ppbV		99
43) 1,4-dioxane	12.280	88	113027	5.878	ppbV		99
44) trichloroethene	12.260	130	176326	5.045	ppbV		99
45) 2,2,4-trimethylpentane	12.307	57	817121	5.814	ppbV		99
46) heptane	12.613	43	268559	5.866	ppbV		99
47) cis-1,3-dichloropropene	13.267	75	232537	6.139	ppbV		99
48) 4-methyl-2-pentanone	13.325	43	303946	5.704	ppbV		100
49) trans-1,3-dichloropropene	13.883	75	165014	6.595	ppbV		99
50) 1,1,2-trichloroethane	14.083	97	153473	5.097	ppbV		96
52) toluene	14.383	91	521427	5.211	ppbV		100
54) 2-hexanone	14.683	43	267221	5.766	ppbV		99
55) dibromochloromethane	14.825	129	183168	5.727	ppbV		100
56) 1,2-dibromoethane	15.067	107	229625	5.551	ppbV		100
57) tetrachloroethene	15.525	166	246035	5.132	ppbV		99
58) 1,1,1,2-tetrachloroethane	16.133	131	154174	5.378	ppbV		99
59) chlorobenzene	16.150	112	424262	5.200	ppbV		98
60) ethylbenzene	16.492	91	627314	5.178	ppbV		100
61) m+p-xylene	16.658	91	1028122	10.637	ppbV		100
62) bromoform	16.725	173	124554	4.046	ppbV		99
63) styrene	16.983	104	411432	5.496	ppbV		96
64) 1,1,2,2-tetrachloroethane	17.067	83	415079	5.413	ppbV		100
65) o-xylene	17.075	91	514381	5.306	ppbV		98
66) 1,2,3-Trichloropropane	17.183	75	277908	5.126	ppbV		99
68) isopropylbenzene	17.583	105	668787	5.233	ppbV		99
69) Bromobenzene	17.667	77	386879	5.241	ppbV		99
70) 4-ethyl toluene	18.142	105	719120	6.286	ppbV		100
71) 1,3,5-trimethylbenzene	18.208	105	608250	5.771	ppbV		99
72) tert-butylbenzene	18.550	119	646141	5.442	ppbV		98
73) 1,2,4-trimethylbenzene	18.550	105	605100	5.886	ppbV		97
74) Benzyl Chloride	18.675	91	346015	6.140	ppbV		95
75) 1,3-dichlorobenzene	18.692	146	378945	5.783	ppbV		94

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\
Data File : r442283_Ev2.D
Acq On : 3 Feb 2026 2:28 PM
Operator : AIRPIANO4:TPH
Sample : WG2171899-2,3,250,250
Misc : WG2171899,ICAL22994
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 03 15:38:59 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:55 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\r442283_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

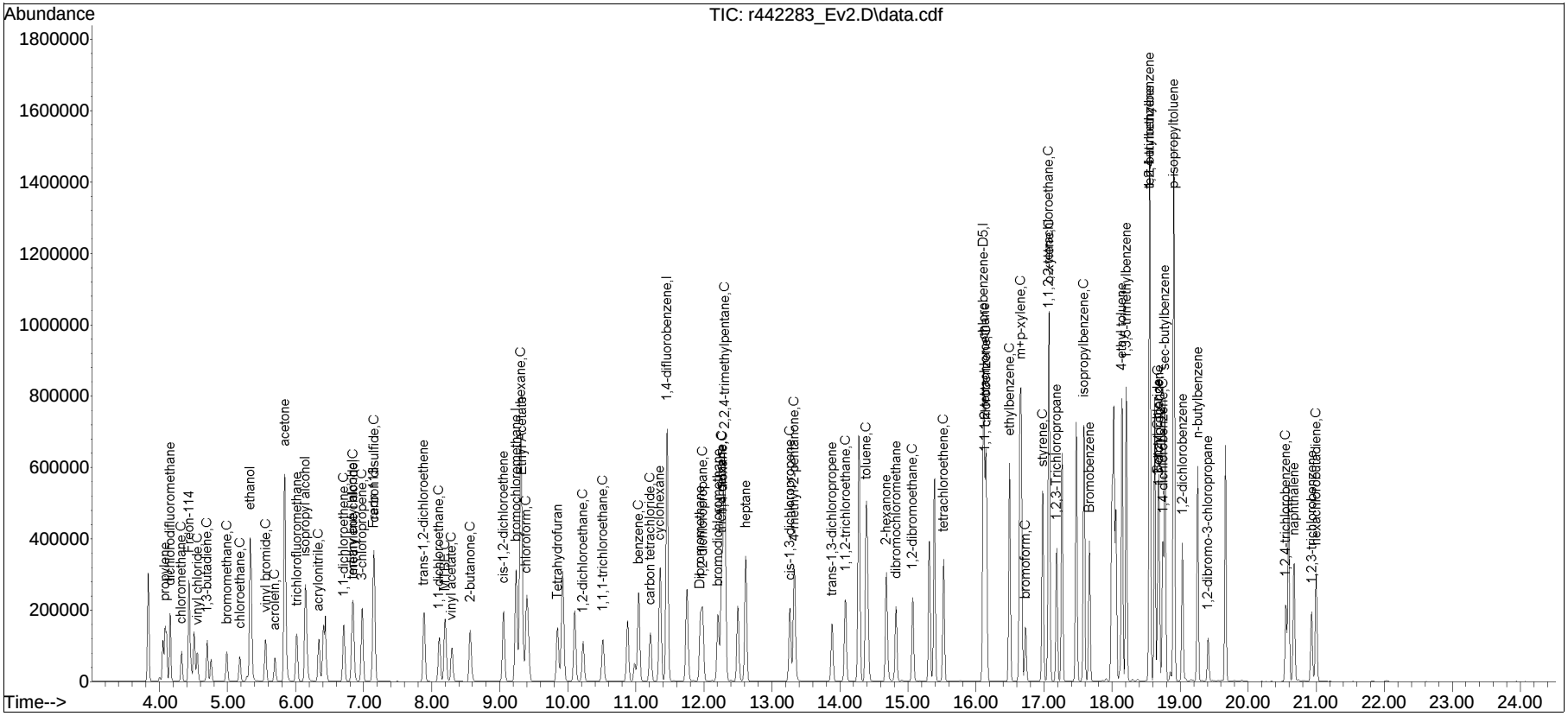
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 1,4-dichlorobenzene	18.750	146	367424	5.919	ppbV	93
77) sec-butylbenzene	18.775	105	823463	5.142	ppbV	99
78) p-isopropyltoluene	18.908	119	751170	5.369	ppbV	98
79) 1,2-dichlorobenzene	19.033	146	357924	5.643	ppbV	97
80) n-butylbenzene	19.258	91	607891	5.558	ppbV	96
81) 1,2-dibromo-3-chloropr...	19.408	75	67804	3.254	ppbV	96
82) 1,2,4-trichlorobenzene	20.550	180	264585	6.484	ppbV	99
83) naphthalene	20.675	128	542055	5.589	ppbV	98
84) 1,2,3-trichlorobenzene	20.933	180	249591	5.549	ppbV	98
85) hexachlorobutadiene	21.000	225	303601	5.630	ppbV	100

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

Sub List : Default-LCS-AP2 - All compounds listedIM\r442283_Ev2.D

Data Path : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\
Data File : r442283_Ev2.D
Acq On : 3 Feb 2026 2:28 PM
Operator : AIRPIANO4:TPH
Sample : WG2171899-2,3,250,250
Misc : WG2171899,ICAL22994
ALS Vial : 0 Sample Multiplier: 1

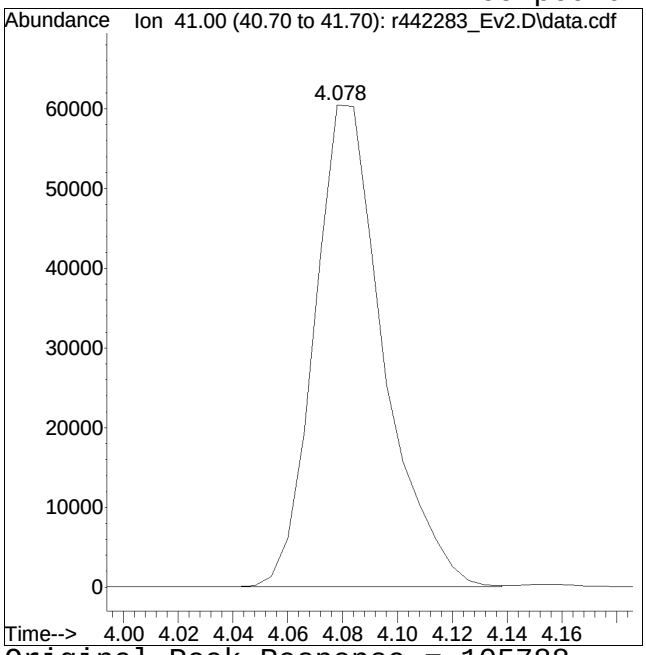
Quant Time: Feb 03 15:38:59 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:55 2026
Response via : Initial Calibration



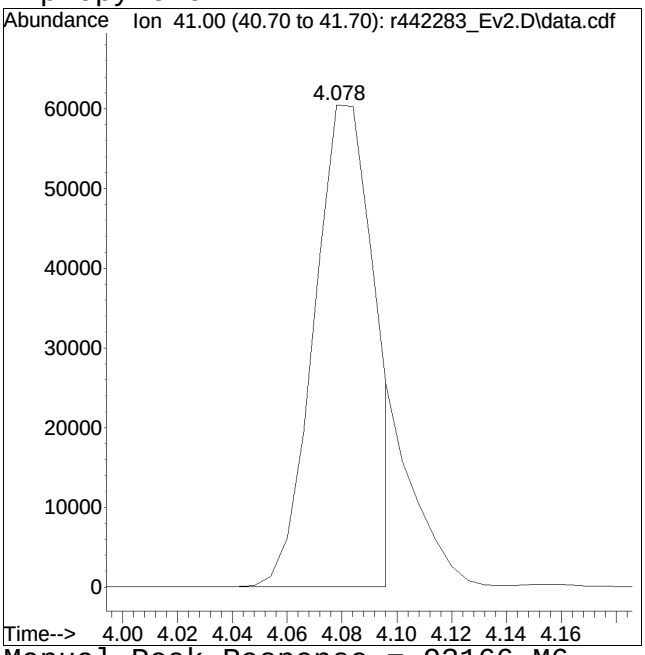
Manual Integration Report

Data Path : X:\Airlab\Data\Airpiano4\2QMethod : TSIM4_260119.M
Data File : r442283_Ev2.D Operator : AIRPIANO4:TPH
Date Inj'd : 2/3/2026 2:28 PM Instrument :
Sample : WG2171899-2,3,250,250 Quant Date : 2/3/2026 3:38 pm

Compound #2: propylene



Original Peak Response = 105788



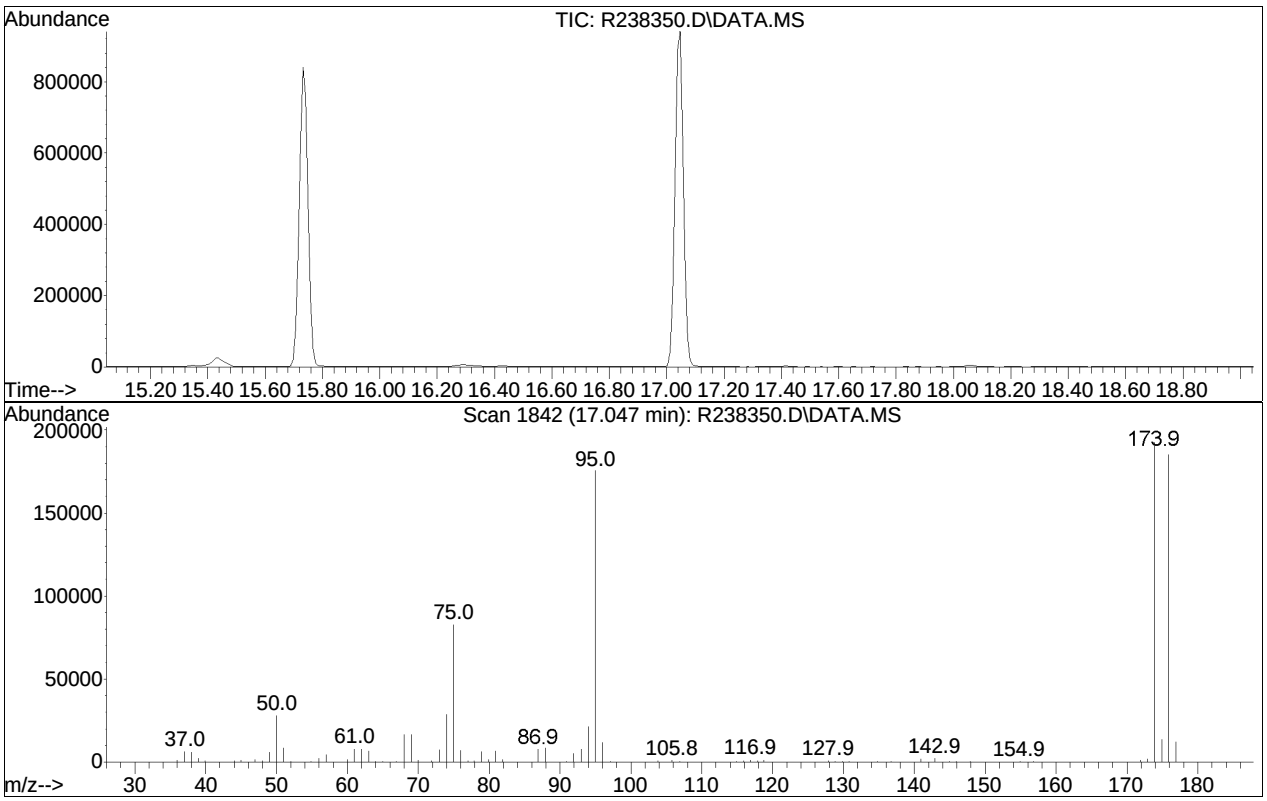
Manual Peak Response = 93166 M6

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

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238350.D
Acq On : 02 Feb 2026 02:19 pm
Operator : AIRLAB23:TPH
Sample : WG2171514-1,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Sun Nov 23 16:05:00 2025



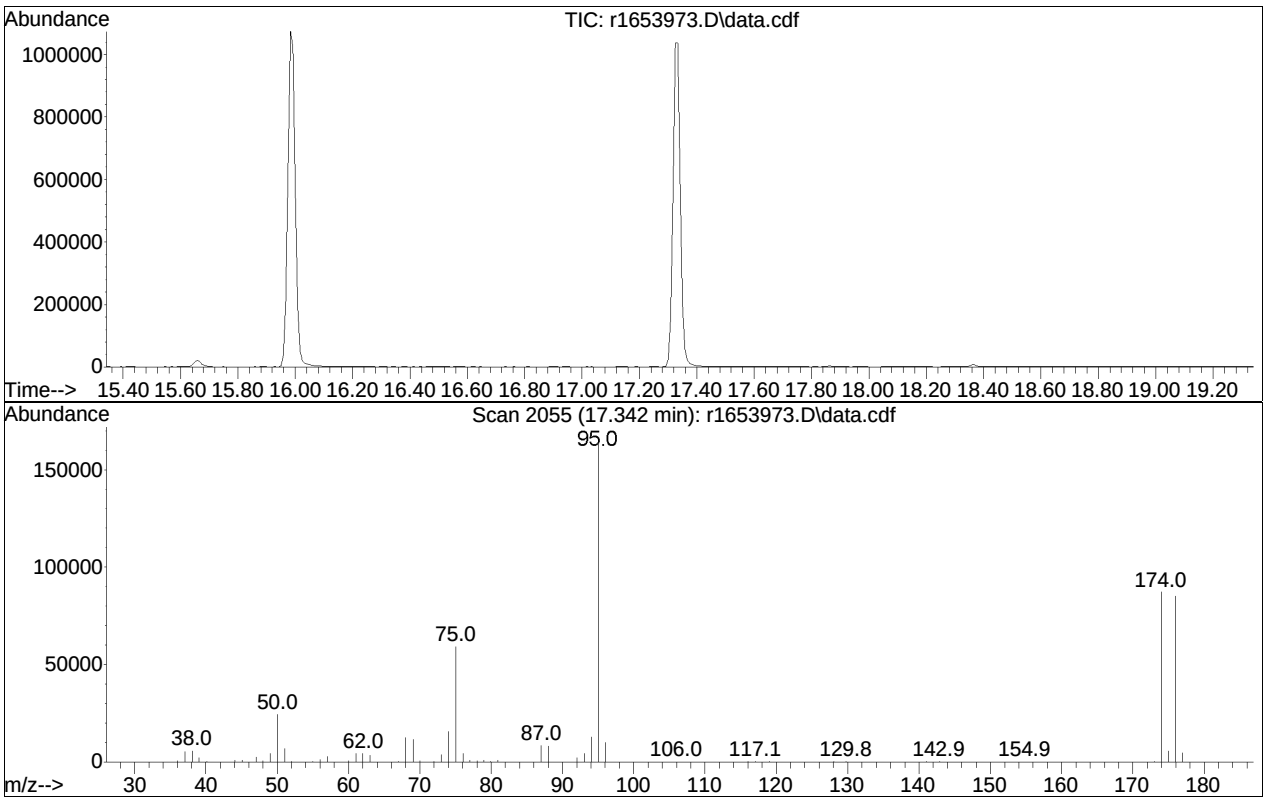
Spectrum Information: Scan 1842

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	16.0	28176	PASS
75	95	30	66	47.1	82768	PASS
95	95	100	100	100.0	175552	PASS
96	95	5	9	6.8	11919	PASS
173	174	0.00	2	1.0	1925	PASS
174	95	50	120	109.6	192384	PASS
175	174	4	9	7.2	13862	PASS
176	174	93	101	96.3	185280	PASS
177	176	5	9	6.5	12098	PASS

Data Path : X:\Airlab\Data\Airlab16\2026\02\0203SIM\
Data File : r1653973.D
Acq On : 3 Feb 2026 9:48 AM
Operator : AIRLAB16:TPH
Sample : WG2171920-1,3,250,250
Misc : WG2171920,ICAL22984
ALS Vial : 0 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airlab16\2026\02\0203SIM\TSIM16_260120.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Jan 22 08:56:04 2026



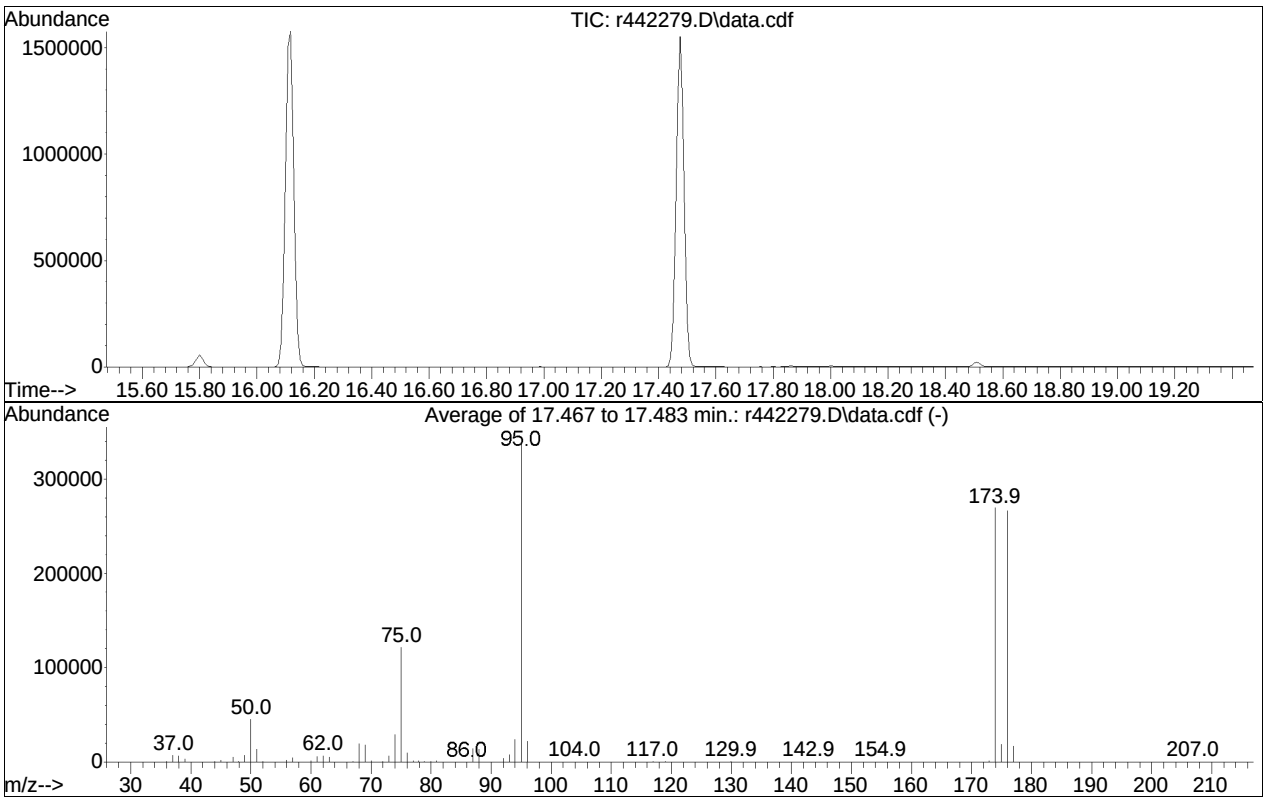
Spectrum Information: Scan 2055

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	14.8	24326	PASS
75	95	30	66	36.1	59199	PASS
95	95	100	100	100.0	163893	PASS
96	95	5	9	6.0	9910	PASS
173	174	0.00	2	0.5	455	PASS
174	95	50	120	53.3	87410	PASS
175	174	4	9	6.4	5561	PASS
176	174	93	101	97.3	85047	PASS
177	176	5	9	5.7	4812	PASS

Data Path : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\
Data File : r442279.D
Acq On : 3 Feb 2026 11:47 AM
Operator : AIRPIANO4:TPH
Sample : WG2171899-1,3,250,250
Misc : WG2171899,ICAL22994
ALS Vial : 0 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\TSIM4_260119.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Jan 23 08:32:55 2026



Spectrum Information: Average of 17.467 to 17.483 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	13.4	45460	PASS
75	95	30	66	36.0	121954	PASS
95	95	100	100	100.0	338559	PASS
96	95	5	9	6.5	22107	PASS
173	174	0.00	2	0.5	1283	PASS
174	95	50	120	79.6	269544	PASS
175	174	4	9	7.0	18871	PASS
176	174	93	101	98.8	266299	PASS
177	176	5	9	6.4	17151	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238355.D
Acq On : 02 Feb 2026 11:05 pm
Operator : AIRLAB23:TPH
Sample : WG2171514-4,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 03 07:41:24 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2026\02\0202SIM\R238353.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	8.867	49	251132	10.000	ppbV		0.00
Standard Area = 256103			Recovery = 98.06%				
33) 1,4-difluorobenzene	11.052	114	844808	10.000	ppbV		0.00
Standard Area = 957969			Recovery = 88.19%				
51) chlorobenzene-D5	15.732	54	105669	10.000	ppbV		0.00
Standard Area = 117966			Recovery = 89.58%				
System Monitoring Compounds							
Target Compounds							Qvalue
3) dichlorodifluoromethane	3.882	85	1623	0.023	ppbV		94
4) chloromethane	3.876		0	N.D.			
5) Freon-114	0.000		0	N.D.			
6) vinyl chloride	0.000		0	N.D.			
8) bromomethane	0.000		0	N.D.			
9) chloroethane	0.000		0	N.D.			
10) ethanol	5.047	31	631	0.066	ppbV	#	79
14) trichlorofluoromethane	5.685		0	N.D.			
17) 1,1-dichloroethene	0.000		0	N.D.	d		
18) tertiary butyl alcohol	6.513		0	N.D.			
19) methylene chloride	6.507	49	1303	0.056	ppbV		98
22) Freon 113	0.000		0	N.D.			
23) trans-1,2-dichloroethene	0.000		0	N.D.			
24) 1,1-dichloroethane	0.000		0	N.D.			
25) MTBE	0.000		0	N.D.			
27) 2-butanone	8.296		0	N.D.			
28) cis-1,2-dichloroethene	0.000		0	N.D.			
30) chloroform	9.022		0	N.D.			
32) 1,2-dichloroethane	0.000		0	N.D.			
34) hexane	0.000		0	N.D.			
36) 1,1,1-trichloroethane	0.000		0	N.D.			
37) benzene	10.638		0	N.D.			
38) carbon tetrachloride	0.000		0	N.D.			
39) cyclohexane	10.949		0	N.D.			
41) 1,2-dichloropropane	0.000		0	N.D.			
42) bromodichloromethane	0.000		0	N.D.			
43) 1,4-dioxane	0.000		0	N.D.			
44) trichloroethene	0.000		0	N.D.			

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238355.D
Acq On : 02 Feb 2026 11:05 pm
Operator : AIRLAB23:TPH
Sample : WG2171514-4,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 03 07:41:24 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2026\02\0202SIM\R238353.D
Sub List : Default-LCS-AP2 - All compounds listed

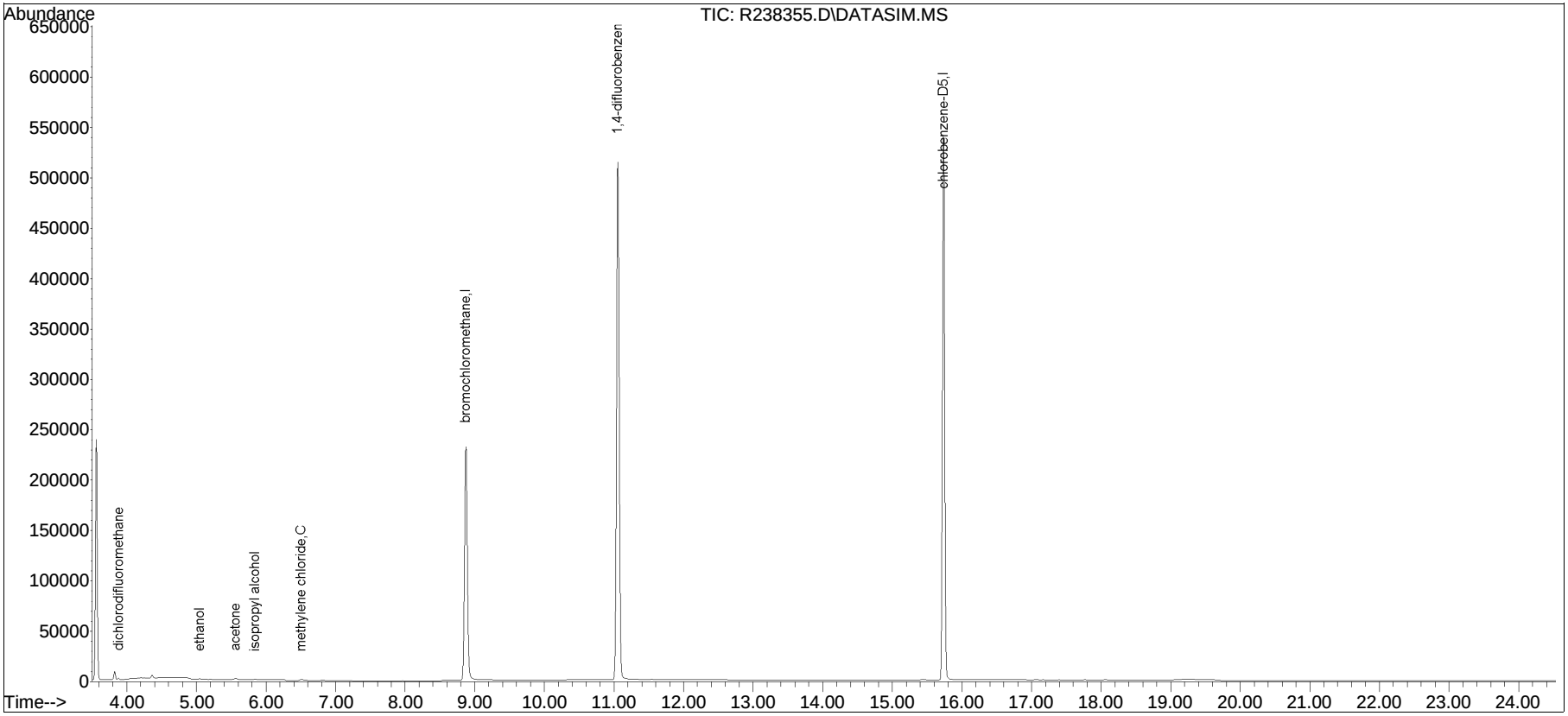
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 2,2,4-trimethylpentane	0.000		0		N.D.	
46) heptane	0.000		0		N.D.	
47) cis-1,3-dichloropropene	0.000		0		N.D.	
48) 4-methyl-2-pentanone	13.010		0		N.D.	
49) trans-1,3-dichloropropene	0.000		0		N.D.	
50) 1,1,2-trichloroethane	0.000		0		N.D.	
52) toluene	13.978		0		N.D.	
55) dibromochloromethane	0.000		0		N.D.	
56) 1,2-dibromoethane	0.000		0		N.D.	
57) tetrachloroethene	0.000		0		N.D.	
59) chlorobenzene	0.000		0		N.D.	
60) ethylbenzene	0.000		0		N.D.	
61) m+p-xylene	0.000		0		N.D.	
62) bromoform	0.000		0		N.D.	
63) styrene	0.000		0		N.D.	
64) 1,1,2,2-tetrachloroethane	0.000		0		N.D.	
65) o-xylene	0.000		0		N.D.	
71) 1,3,5-trimethylbenzene	0.000		0		N.D.	
73) 1,2,4-trimethylbenzene	0.000		0		N.D.	
74) Benzyl Chloride	0.000		0		N.D.	
75) 1,3-dichlorobenzene	0.000		0		N.D.	
76) 1,4-dichlorobenzene	0.000		0		N.D.	
79) 1,2-dichlorobenzene	0.000		0		N.D.	
82) 1,2,4-trichlorobenzene	0.000		0		N.D.	
83) naphthalene	0.000		0		N.D.	
85) hexachlorobutadiene	0.000		0		N.D.	

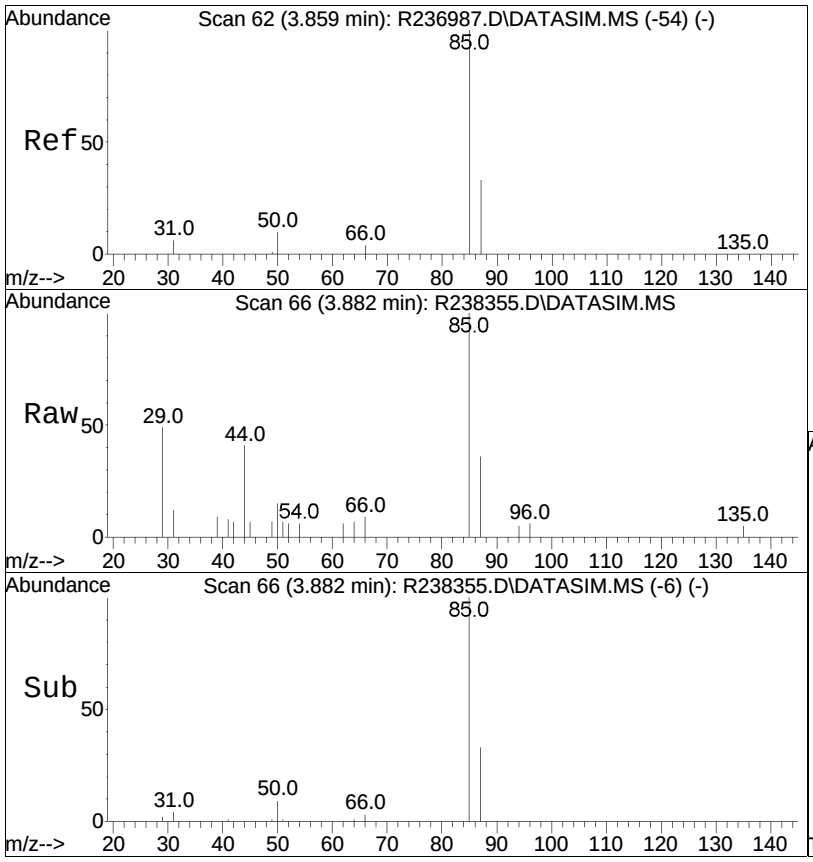
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-LCS-AP2 - All compounds listedM\R238353.D

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238355.D
Acq On : 02 Feb 2026 11:05 pm
Operator : AIRLAB23:TPH
Sample : WG2171514-4,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 03 07:41:24 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

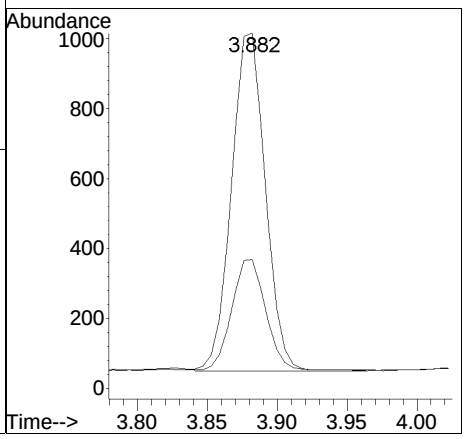


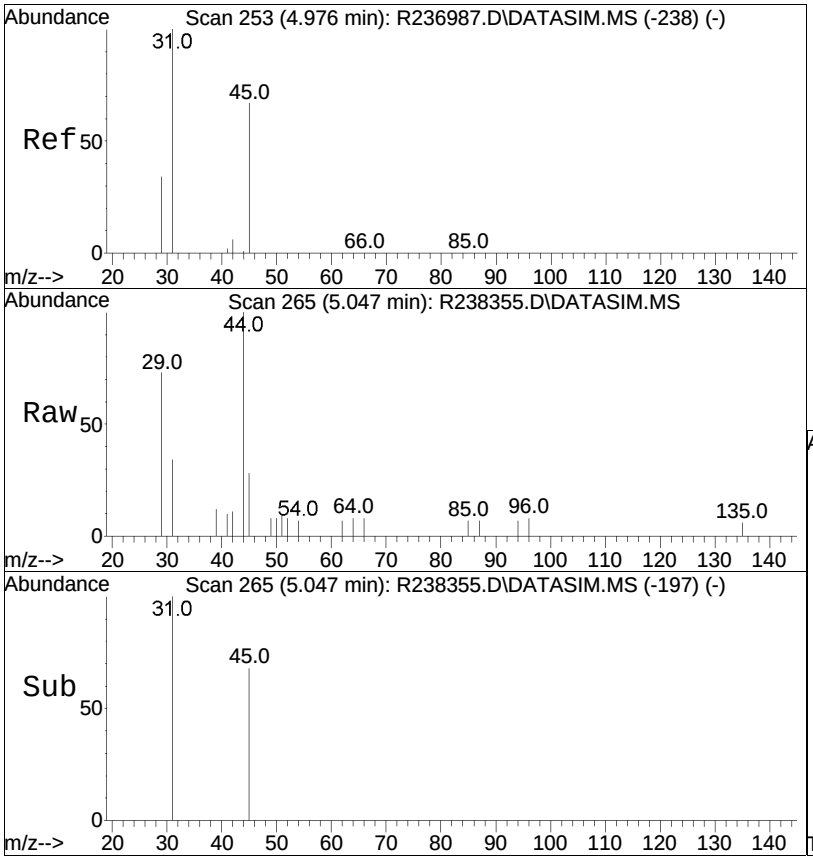


#3
dichlorodifluoromethane
Concen: 0.02 ppbV
RT: 3.882 min Scan# 66
Delta R.T. 0.024 min
Lab File: R238355.D
Acq: 02 Feb 2026 11:05 pm

Tgt Ion: 85 Resp: 1623

Ion	Ratio	Lower	Upper
85	100		
87	36.3	26.3	39.5

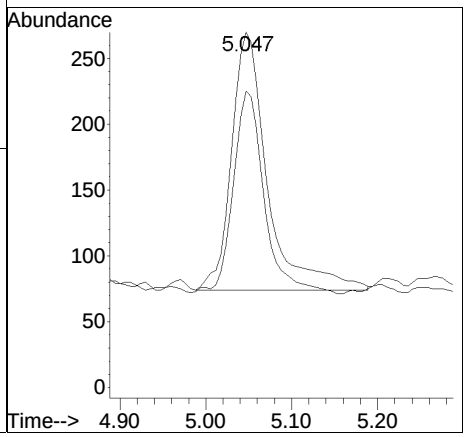


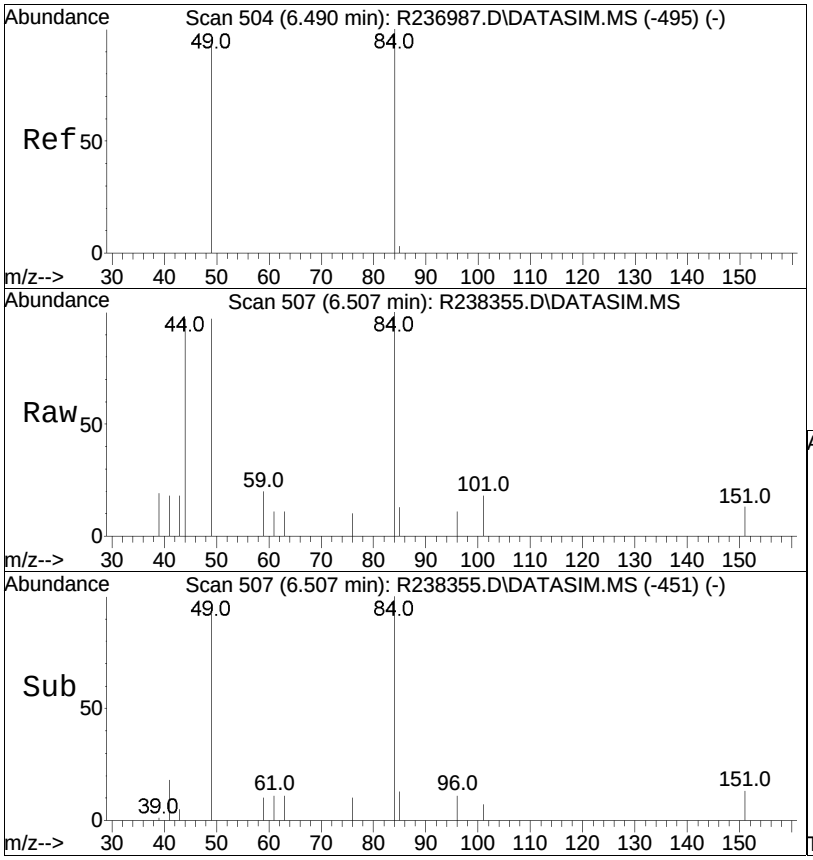


#10
ethanol
Concen: 0.07 ppbV
RT: 5.047 min Scan# 265
Delta R.T. 0.070 min
Lab File: R238355.D
Acq: 02 Feb 2026 11:05 pm

Tgt Ion: 31 Resp: 631

Ion	Ratio	Lower	Upper
31	100		
45	83.3	53.5	80.3#

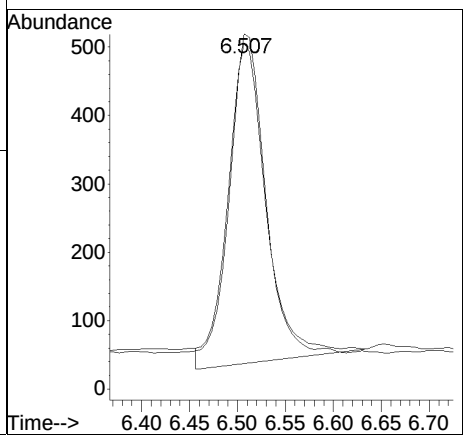




#19
methylene chloride
Concen: 0.06 ppbV
RT: 6.507 min Scan# 507
Delta R.T. 0.017 min
Lab File: R238355.D
Acq: 02 Feb 2026 11:05 pm

Tgt Ion: 49 Resp: 1303

Ion	Ratio	Lower	Upper
49	100		
84	102.6	83.5	125.3



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab23\20	QMethod	: TSIM23_251121.M
Data File	: R238355.D	Operator	: AIRLAB23:TPH
Date Inj'd	: 2/2/2026 11:05 pm	Instrument	: Airlab23
Sample	: WG2171514-4,3,250,250	Quant Date	: 2/3/2026 7:41 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\
Data File : r442285_Ev2.D
Acq On : 3 Feb 2026 6:01 PM
Operator : AIRPIANO4:TPH
Sample : WG2171899-4,3,250,250
Misc : WG2171899,ICAL22994
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 04 06:41:56 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:55 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\r442283_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.225	49	330264	10.000	ppbV	0.00
Standard Area = 346658			Recovery = 95.27%			
33) 1,4-difluorobenzene	11.453	114	940029	10.000	ppbV	0.00
Standard Area = 993616			Recovery = 94.61%			
51) chlorobenzene-D5	16.100	54	124021	10.000	ppbV	0.00
Standard Area = 132612			Recovery = 93.52%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.156	85	945	0.026	ppbV	92
4) chloromethane	4.156		0	N.D.		
5) Freon-114	0.000		0	N.D.		
6) vinyl chloride	0.000		0	N.D.		
8) bromomethane	0.000		0	N.D.		
9) chloroethane	5.314		0	N.D.		
10) ethanol	5.383	31	5365	0.342	ppbV	99
14) trichlorofluoromethane	0.000		0	N.D.		
17) 1,1-dichloroethene	0.000		0	N.D.		
18) tertiary butyl alcohol	6.930		0	N.D.		
19) methylene chloride	6.840	49	1590	0.058	ppbV	97
22) Freon 113	0.000		0	N.D.		
23) trans-1,2-dichloroethene	0.000		0	N.D.		
24) 1,1-dichloroethane	0.000		0	N.D.		
25) MTBE	0.000		0	N.D.		
27) 2-butanone	8.467		0	N.D.		
28) cis-1,2-dichloroethene	9.000		0	N.D.		
30) chloroform	9.375		0	N.D.		
32) 1,2-dichloroethane	10.175		0	N.D.		
34) hexane	9.300		0	N.D.		
36) 1,1,1-trichloroethane	10.567		0	N.D.		
37) benzene	11.033		0	N.D.		
38) carbon tetrachloride	11.300		0	N.D.		
39) cyclohexane	11.347		0	N.D.		
41) 1,2-dichloropropane	11.967		0	N.D.		
42) bromodichloromethane	0.000		0	N.D.		
43) 1,4-dioxane	0.000		0	N.D.		
44) trichloroethene	12.260		0	N.D.		

Data Path : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\
Data File : r442285_Ev2.D
Acq On : 3 Feb 2026 6:01 PM
Operator : AIRPIANO4:TPH
Sample : WG2171899-4,3,250,250
Misc : WG2171899,ICAL22994
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 04 06:41:56 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:55 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\r442283_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

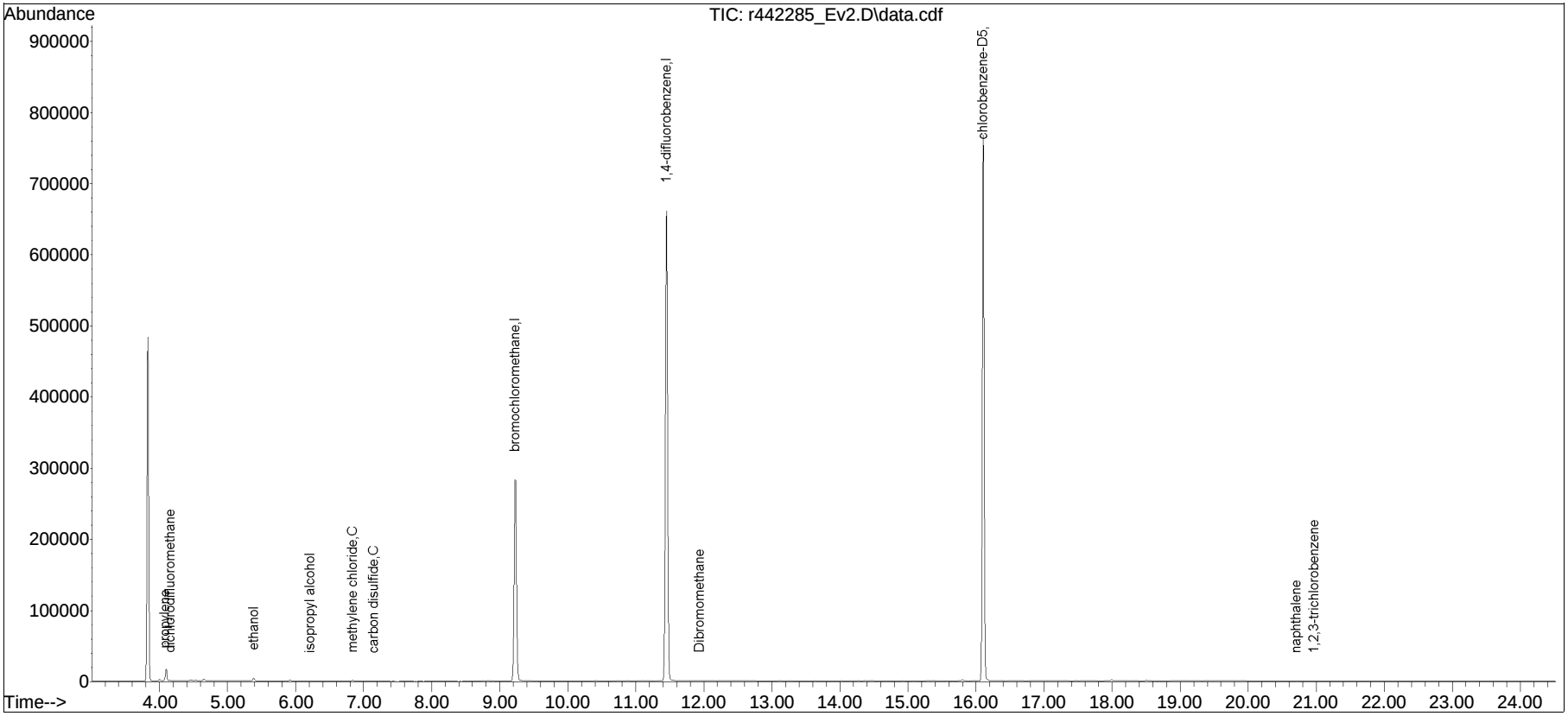
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 2,2,4-trimethylpentane	0.000		0	N.D.		
46) heptane	12.613		0	N.D.		
47) cis-1,3-dichloropropene	0.000		0	N.D.		
48) 4-methyl-2-pentanone	0.000		0	N.D.		
49) trans-1,3-dichloropropene	0.000		0	N.D.		
50) 1,1,2-trichloroethane	0.000		0	N.D.		
52) toluene	14.383		0	N.D.		
55) dibromochloromethane	14.942		0	N.D.		
56) 1,2-dibromoethane	0.000		0	N.D.		
57) tetrachloroethene	15.517		0	N.D.		
59) chlorobenzene	16.225		0	N.D.		
60) ethylbenzene	16.492		0	N.D.		
61) m+p-xylene	16.642		0	N.D.		
62) bromoform	0.000		0	N.D.		
63) styrene	16.975		0	N.D.		
64) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
65) o-xylene	17.075		0	N.D.		
71) 1,3,5-trimethylbenzene	18.208		0	N.D.		
73) 1,2,4-trimethylbenzene	18.558		0	N.D.		
74) Benzyl Chloride	18.675		0	N.D.		
75) 1,3-dichlorobenzene	18.692		0	N.D.		
76) 1,4-dichlorobenzene	18.758		0	N.D.		
79) 1,2-dichlorobenzene	19.050		0	N.D.		
82) 1,2,4-trichlorobenzene	20.592		0	N.D.		
83) naphthalene	20.708	128	1069	0.012	ppbV #	83
85) hexachlorobutadiene	21.042		0	N.D.		

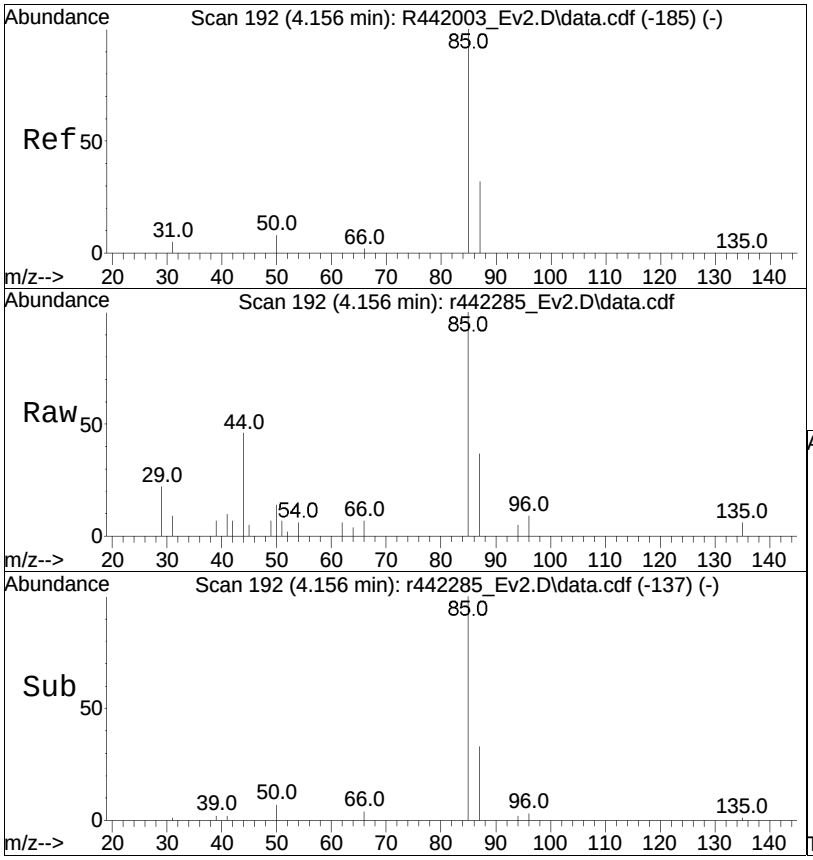
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-LCS-AP2 - All compounds listedIM\r442283_Ev2.D

Data Path : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\
Data File : r442285_Ev2.D
Acq On : 3 Feb 2026 6:01 PM
Operator : AIRPIANO4:TPH
Sample : WG2171899-4,3,250,250
Misc : WG2171899,ICAL22994
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 04 06:41:56 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:55 2026
Response via : Initial Calibration

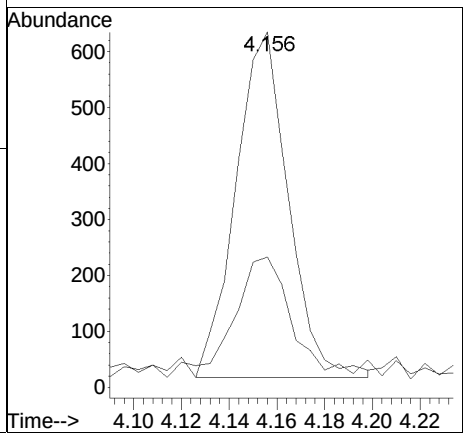


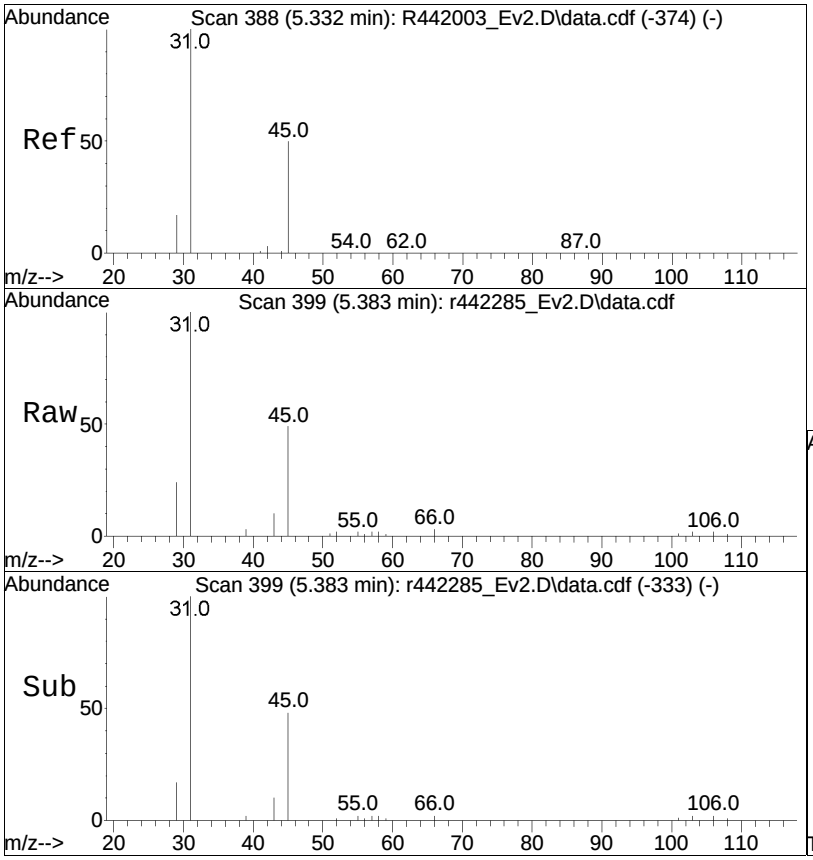


#3
dichlorodifluoromethane
Concen: 0.03 ppbV
RT: 4.156 min Scan# 192
Delta R.T. 0.000 min
Lab File: r442285_Ev2.D
Acq: 3 Feb 2026 6:01 PM

Tgt Ion: 85 Resp: 945

Ion	Ratio	Lower	Upper
85	100		
87	36.7	25.7	38.5

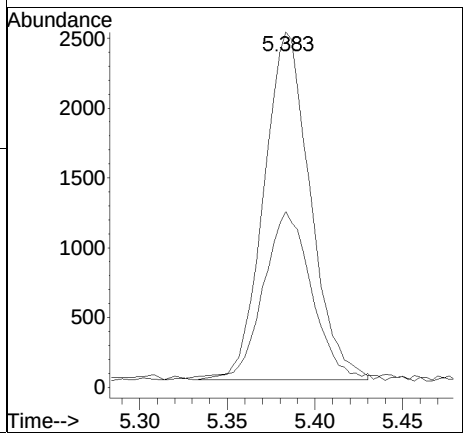


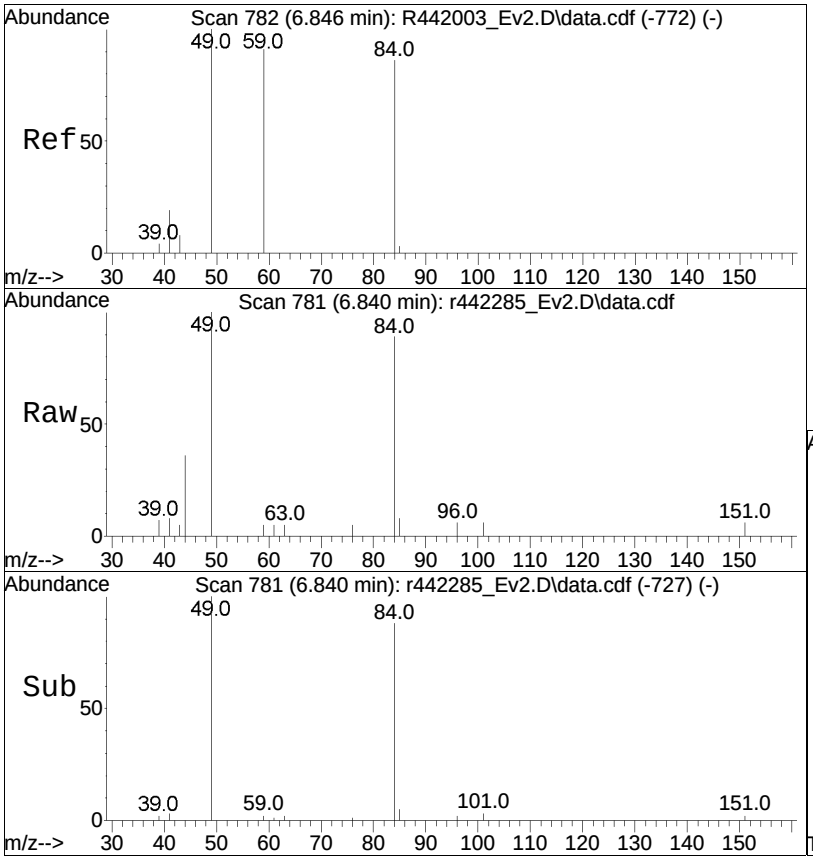


#10
ethanol
Concen: 0.34 ppbV
RT: 5.383 min Scan# 399
Delta R.T. 0.051 min
Lab File: r442285_Ev2.D
Acq: 3 Feb 2026 6:01 PM

Tgt Ion: 31 Resp: 5365

Ion	Ratio	Lower	Upper
31	100		
45	49.5	40.0	60.0

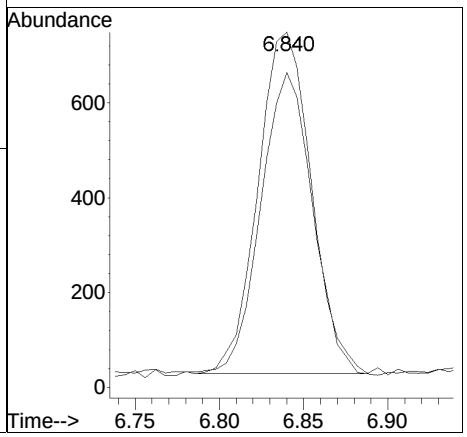


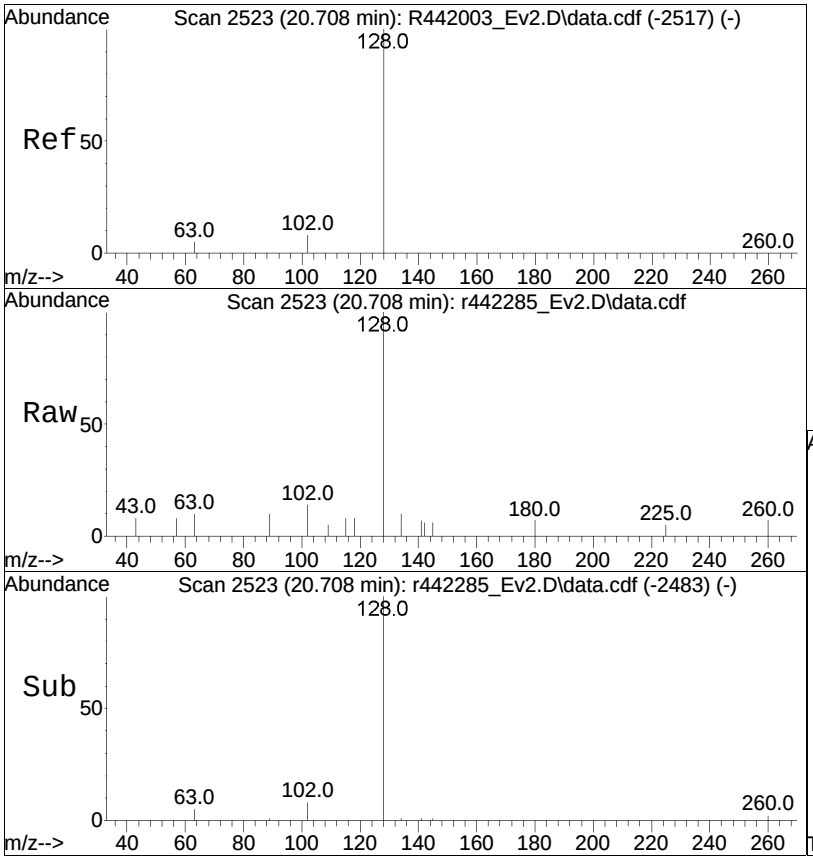


#19
methylene chloride
Concen: 0.06 ppbV
RT: 6.840 min Scan# 781
Delta R.T. -0.006 min
Lab File: r442285_Ev2.D
Acq: 3 Feb 2026 6:01 PM

Tgt Ion: 49 Resp: 1590

Ion	Ratio	Lower	Upper
49	100		
84	88.7	68.9	103.3

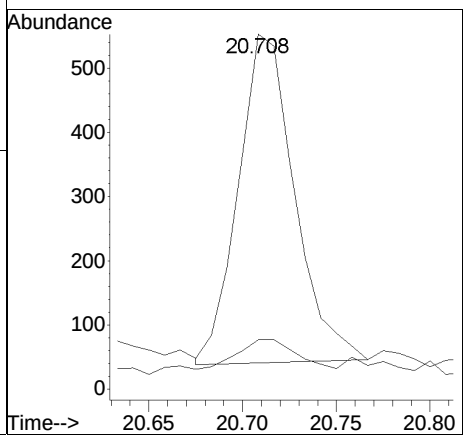




#83
naphthalene
Concen: 0.01 ppbV
RT: 20.708 min Scan# 2523
Delta R.T. 0.000 min
Lab File: r442285_Ev2.D
Acq: 3 Feb 2026 6:01 PM

Tgt Ion:128 Resp: 1069

Ion	Ratio	Lower	Upper
128	100		
102	13.9	6.2	9.4#



Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2026\02\0203SIM\
Data File : r1653979_Ev2.D
Acq On : 3 Feb 2026 4:01 PM
Operator : AIRLAB16:TPH
Sample : WG2171920-4,3,250,250
Misc : WG2171920,ICAL22879
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 04 07:11:22 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\02\0203SIM\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 08:56:04 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\02\0203SIM\r1653977_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.092	49	208772	10.000	ppbV	# 0.02
Standard Area = 206599			Recovery = 101.05%			
33) 1,4-difluorobenzene	11.307	114	557810	10.000	ppbV	# 0.03
Standard Area = 553890			Recovery = 100.71%			
51) chlorobenzene-D5	15.983	54	73299	10.000	ppbV	0.02
Standard Area = 72598			Recovery = 100.97%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.024	85	484	0.019	ppbV	91
4) chloromethane	4.018		0	N.D.		
5) Freon-114	0.000		0	N.D.		
6) vinyl chloride	0.000		0	N.D.		
8) bromomethane	0.000		0	N.D.		
9) chloroethane	0.000		0	N.D.		
10) ethanol	5.212	31	2161	0.216	ppbV #	59
14) trichlorofluoromethane	0.000		0	N.D.		
17) 1,1-dichloroethene	0.000		0	N.D.		
18) tertiary butyl alcohol	6.702		0	N.D.		
19) methylene chloride	6.708	49	959	0.055	ppbV	98
22) Freon 113	0.000		0	N.D.		
23) trans-1,2-dichloroethene	0.000		0	N.D.		
24) 1,1-dichloroethane	0.000		0	N.D.		
25) MTBE	0.000		0	N.D.		
27) 2-butanone	8.300		0	N.D.		
28) cis-1,2-dichloroethene	0.000		0	N.D.		
30) chloroform	9.258		0	N.D.		
32) 1,2-dichloroethane	0.000		0	N.D.		
34) hexane	0.000		0	N.D.		
36) 1,1,1-trichloroethane	0.000		0	N.D.		
37) benzene	10.893		0	N.D.		
38) carbon tetrachloride	0.000		0	N.D.		
39) cyclohexane	11.207		0	N.D.		
41) 1,2-dichloropropane	11.920		0	N.D.		
42) bromodichloromethane	0.000		0	N.D.		
43) 1,4-dioxane	0.000		0	N.D.		
44) trichloroethene	0.000		0	N.D.		

Data Path : X:\Airlab\Data\Airlab16\2026\02\0203SIM\
Data File : r1653979_Ev2.D
Acq On : 3 Feb 2026 4:01 PM
Operator : AIRLAB16:TPH
Sample : WG2171920-4,3,250,250
Misc : WG2171920,ICAL22879
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 04 07:11:22 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\02\0203SIM\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 08:56:04 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\02\0203SIM\r1653977_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

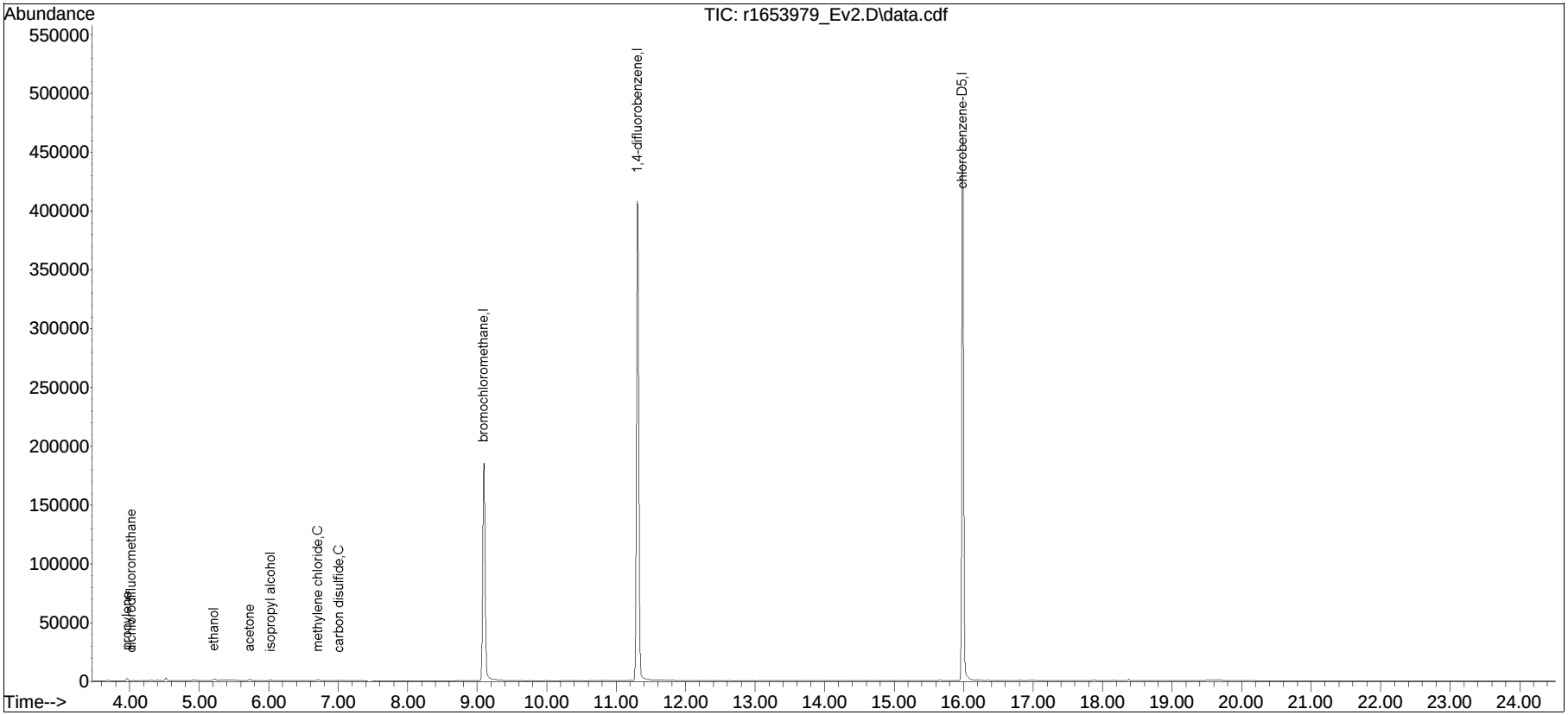
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 2,2,4-trimethylpentane	12.147		0		N.D.	
46) heptane	0.000		0		N.D.	
47) cis-1,3-dichloropropene	0.000		0		N.D.	
48) 4-methyl-2-pentanone	0.000		0		N.D.	
49) trans-1,3-dichloropropene	13.858		0		N.D.	
50) 1,1,2-trichloroethane	0.000		0		N.D.	
52) toluene	14.267		0		N.D.	
55) dibromochloromethane	14.633		0		N.D.	
56) 1,2-dibromoethane	0.000		0		N.D.	
57) tetrachloroethene	15.367		0		N.D.	
59) chlorobenzene	0.000		0		N.D.	
60) ethylbenzene	16.375		0		N.D.	
61) m+p-xylene	16.375		0		N.D.	
62) bromoform	0.000		0		N.D.	
63) styrene	16.767		0		N.D.	
64) 1,1,2,2-tetrachloroethane	0.000		0		N.D.	
65) o-xylene	16.950		0		N.D.	
71) 1,3,5-trimethylbenzene	18.100		0		N.D.	
73) 1,2,4-trimethylbenzene	18.375		0		N.D.	
74) Benzyl Chloride	0.000		0		N.D.	
75) 1,3-dichlorobenzene	0.000		0		N.D.	
76) 1,4-dichlorobenzene	0.000		0		N.D.	
79) 1,2-dichlorobenzene	0.000		0		N.D.	
82) 1,2,4-trichlorobenzene	20.525		0		N.D.	
83) naphthalene	20.608		0		N.D.	
85) hexachlorobutadiene	0.000		0		N.D.	

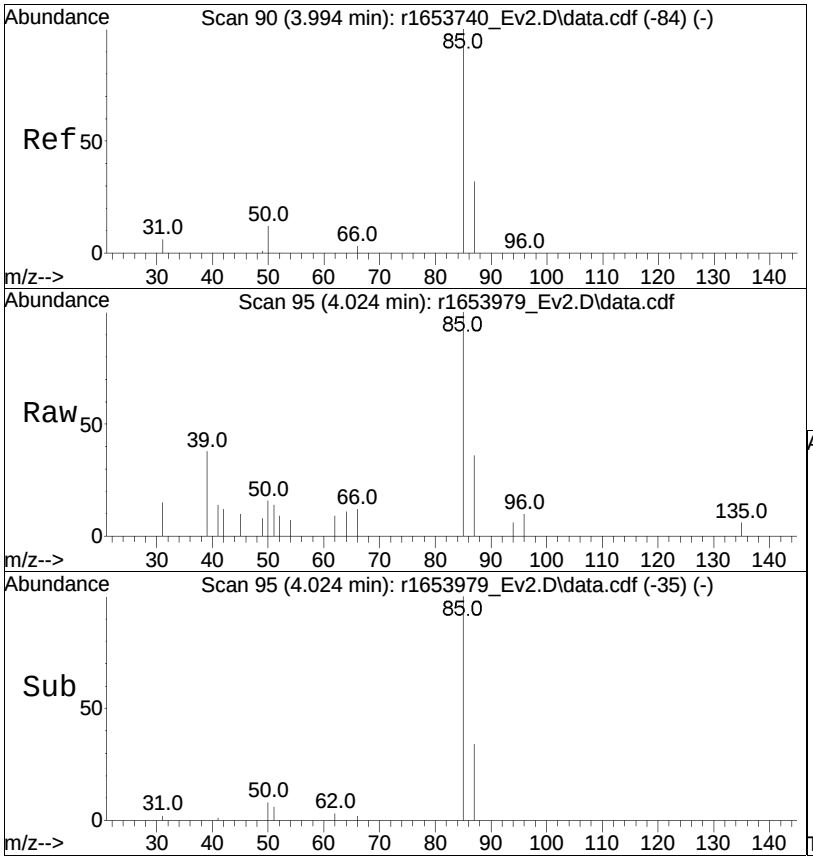
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-LCS-AP2 - All compounds listedM\r1653977_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2026\02\0203SIM\
Data File : r1653979_Ev2.D
Acq On : 3 Feb 2026 4:01 PM
Operator : AIRLAB16:TPH
Sample : WG2171920-4,3,250,250
Misc : WG2171920,ICAL22879
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 04 07:11:22 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\02\0203SIM\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 08:56:04 2026
Response via : Initial Calibration

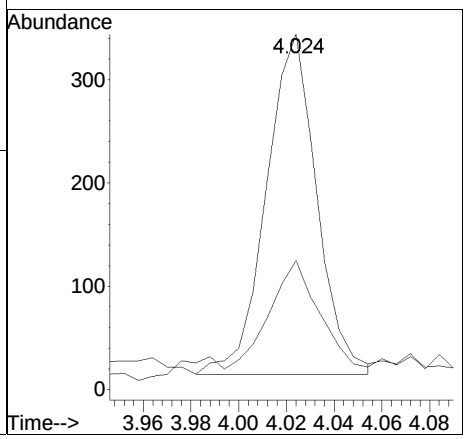


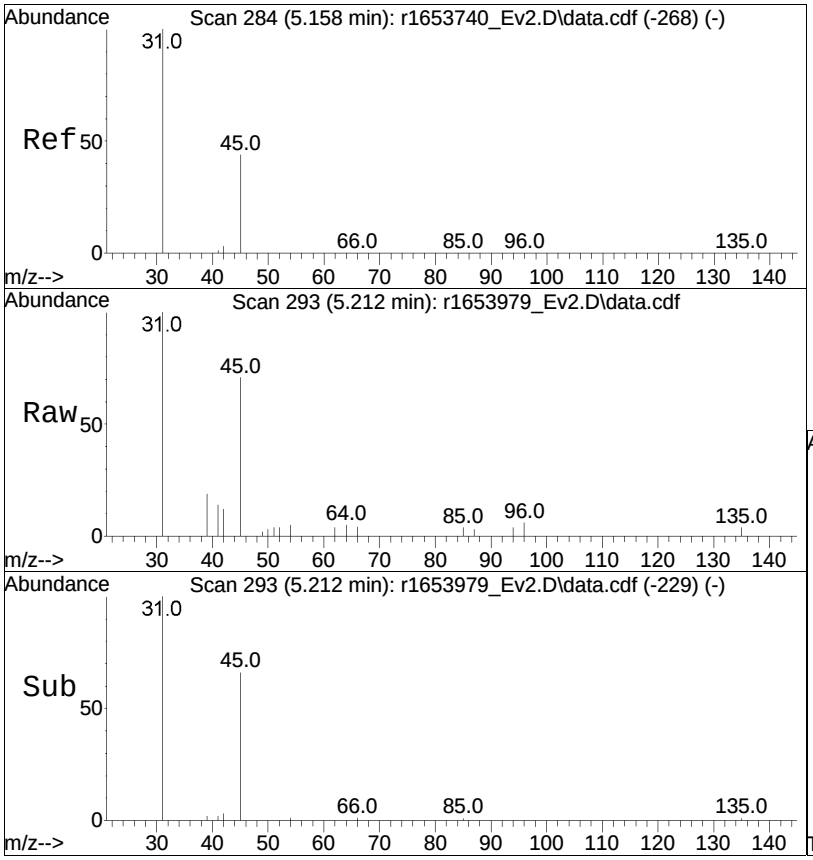


#3
dichlorodifluoromethane
Concen: 0.02 ppbV
RT: 4.024 min Scan# 95
Delta R.T. 0.030 min
Lab File: r1653979_Ev2.D
Acq: 3 Feb 2026 4:01 PM

Tgt Ion: 85 Resp: 484

Ion	Ratio	Lower	Upper
85	100		
87	36.3	25.3	37.9

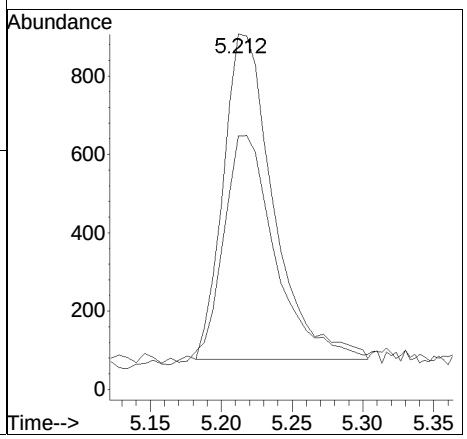


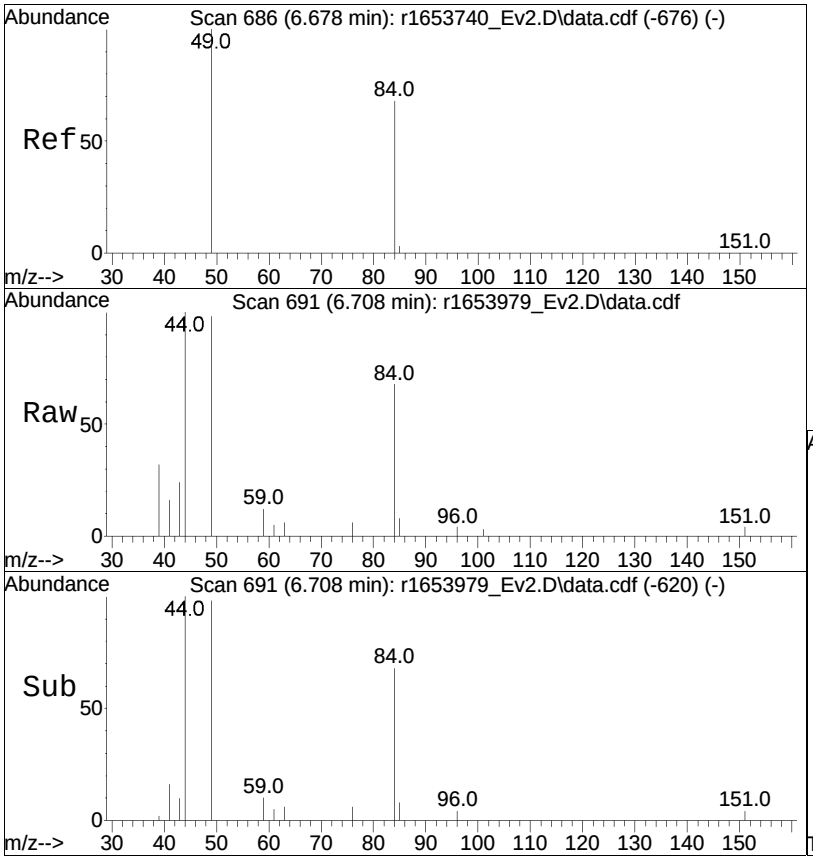


#10
ethanol
Concen: 0.22 ppbV
RT: 5.212 min Scan# 293
Delta R.T. 0.054 min
Lab File: r1653979_Ev2.D
Acq: 3 Feb 2026 4:01 PM

Tgt Ion: 31 Resp: 2161

Ion	Ratio	Lower	Upper
31	100		
45	71.3	35.6	53.4#

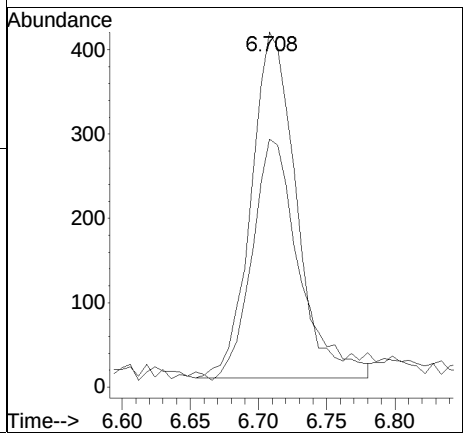




#19
methylene chloride
Concen: 0.06 ppbV
RT: 6.708 min Scan# 691
Delta R.T. 0.030 min
Lab File: r1653979_Ev2.D
Acq: 3 Feb 2026 4:01 PM

Tgt Ion: 49 Resp: 959

Ion	Ratio	Lower	Upper
49	100		
84	69.8	54.3	81.5



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab16\20	QMethod	: TSIM16_260120.M
Data File	: r1653979_Ev2.D	Operator	: AIRLAB16:TPH
Date Inj'd	: 2/3/2026 4:01 PM	Instrument	:
Sample	: WG2171920-4,3,250,250	Quant Date	: 2/4/2026 7:11 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238353.D
Acq On : 02 Feb 2026 04:29 pm
Operator : AIRLAB23:TPH
Sample : WG2171514-3,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 02 17:17:14 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
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	105	0.00
2		propylene	5.000	5.706	-14.1	128	0.02
3		dichlorodifluoromethane	5.000	4.474	10.5	96	0.01
4	C	chloromethane	5.000	4.451	11.0	100	0.01
5		Freon-114	5.000	4.120	17.6	90	0.01
6	C	vinyl chloride	5.000	4.473	10.5	100	0.01
7	C	1,3-butadiene	5.000	4.408	11.8	106	0.02
8	C	bromomethane	5.000	4.439	11.2	96	0.01
9	C	chloroethane	5.000	4.304	13.9	96	0.02
10		ethanol	25.000	20.765	16.9	90	0.03
11	C	vinyl bromide	5.000	4.798	4.0	110	0.01
12	C	acrolein	5.000	4.069	18.6	90	0.02
13		acetone	25.000	22.499	10.0	106	0.02
14		trichlorofluoromethane	5.000	4.158	16.8	91	0.02
15		isopropyl alcohol	12.500	10.659	14.7	101	0.02
16	C	acrylonitrile	5.000	5.221	-4.4	116	0.02
17	C	1,1-dichloroethene	5.000	4.641	7.2	100	0.02
18		tertiary butyl alcohol	5.000	3.398	32.0#	60	0.03
19	C	methylene chloride	5.000	5.166	-3.3	124	0.02
20	C	3-chloropropene	5.000	5.003	-0.1	116	0.02
21	C	carbon disulfide	5.000	5.037	-0.7	117	0.02
22		Freon 113	5.000	4.464	10.7	99	0.01
23		trans-1,2-dichloroethene	5.000	4.537	9.3	106	0.01
24	C	1,1-dichloroethane	5.000	4.748	5.0	103	0.01
25	C	MTBE	5.000	4.136	17.3	96	0.02
26	C	vinyl acetate	5.000	2.448	51.0#	66	0.02
27	C	2-butanone	5.000	4.717	5.7	109	0.02
28		cis-1,2-dichloroethene	5.000	4.371	12.6	95	0.00
29		Ethyl Acetate	5.000	5.333	-6.7	121	0.02
30	C	chloroform	5.000	4.381	12.4	97	0.00
31		Tetrahydrofuran	5.000	4.949	1.0	124	0.00
32	C	1,2-dichloroethane	5.000	4.149	17.0	91	0.02
33	I	1,4-difluorobenzene	10.000	10.000	0.0	91	0.00
34	C	hexane	5.000	5.873	-17.5	123	0.00
36	C	1,1,1-trichloroethane	5.000	4.973	0.5	89	0.00
37	C	benzene	5.000	5.297	-5.9	100	0.00
38	C	carbon tetrachloride	5.000	4.553	8.9	88	0.00
39		cyclohexane	5.000	5.473	-9.5	113	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238353.D
Acq On : 02 Feb 2026 04:29 pm
Operator : AIRLAB23:TPH
Sample : WG2171514-3,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 02 17:17:14 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
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	4.618	7.6	89	0.00
41	C	1,2-dichloropropane	5.000	5.631	-12.6	108	0.00
42		bromodichloromethane	5.000	5.307	-6.1	106	0.00
43	C	1,4-dioxane	5.000	5.082	-1.6	101	0.00
44	C	trichloroethene	5.000	4.930	1.4	94	0.00
45	C	2,2,4-trimethylpentane	5.000	6.042	-20.8	128	0.00
46		heptane	5.000	5.926	-18.5	122	0.00
47	C	cis-1,3-dichloropropene	5.000	5.873	-17.5	108	0.00
48	C	4-methyl-2-pentanone	5.000	5.493	-9.9	109	0.00
49		trans-1,3-dichloropropene	5.000	5.839	-16.8	107	0.00
50	C	1,1,2-trichloroethane	5.000	5.156	-3.1	97	0.00
51	I	chlorobenzene-D5	10.000	10.000	0.0	84	0.00
52	C	toluene	5.000	5.420	-8.4	97	0.00
54		2-hexanone	5.000	5.638	-12.8	103	0.00
55		dibromochloromethane	5.000	5.466	-9.3	105	0.00
56	C	1,2-dibromoethane	5.000	5.441	-8.8	97	0.00
57	C	tetrachloroethene	5.000	5.128	-2.6	95	0.00
58		1,1,1,2-tetrachloroethane	5.000	4.763	4.7	85	0.00
59	C	chlorobenzene	5.000	5.309	-6.2	95	0.00
60	C	ethylbenzene	5.000	5.071	-1.4	89	0.00
61	C	m+p-xylene	10.000	10.683	-6.8	95	0.00
62	C	bromoform	5.000	5.708	-14.2	109	0.00
63	C	styrene	5.000	5.210	-4.2	90	0.00
64	C	1,1,2,2-tetrachloroethane	5.000	5.909	-18.2	104	0.00
65	C	o-xylene	5.000	5.179	-3.6	93	0.00
66		1,2,3-Trichloropropane	5.000	5.355	-7.1	97	0.00
68	C	isopropylbenzene	5.000	5.089	-1.8	89	0.00
69		Bromobenzene	5.000	5.098	-2.0	91	0.00
70		4-ethyl toluene	5.000	5.611	-12.2	105	0.00
71		1,3,5-trimethylbenzene	5.000	5.542	-10.8	98	0.00
72		tert-butylbenzene	5.000	4.850	3.0	88	0.00
73		1,2,4-trimethylbenzene	5.000	5.495	-9.9	95	0.00
74	C	Benzyl Chloride	5.000	5.317	-6.3	89	0.00
75		1,3-dichlorobenzene	5.000	5.615	-12.3	100	0.00
76	C	1,4-dichlorobenzene	5.000	5.742	-14.8	100	0.00
77		sec-butylbenzene	5.000	5.152	-3.0	91	0.00
78		p-isopropyltoluene	5.000	4.937	1.3	86	0.00
79		1,2-dichlorobenzene	5.000	5.686	-13.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238353.D
Acq On : 02 Feb 2026 04:29 pm
Operator : AIRLAB23:TPH
Sample : WG2171514-3,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 02 17:17:14 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
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	5.539	-10.8	95	0.00
81	1,2-dibromo-3-chloropropane	5.000	4.814	3.7	80	0.00
82 C	1,2,4-trichlorobenzene	5.000	6.341	-26.8	99	0.00
83	naphthalene	5.000	5.221	-4.4	74	0.00
84	1,2,3-trichlorobenzene	5.000	5.294	-5.9	83	0.00
85 C	hexachlorobutadiene	5.000	6.172	-23.4	104	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 1

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\
Data File : r442283_Ev2.D
Acq On : 3 Feb 2026 2:28 PM
Operator : AIRPIANO4:TPH
Sample : WG2171899-3,3,250,250
Misc : WG2171899,ICAL22994
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 03 15:38:59 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:55 2026
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	4.766	4.7	130	0.00
3		dichlorodifluoromethane	5.000	4.935	1.3	111	0.00
4	C	chloromethane	5.000	5.410	-8.2	122	0.00
5		Freon-114	5.000	5.548	-11.0	127	0.00
6	C	vinyl chloride	5.000	5.056	-1.1	123	0.00
7	C	1,3-butadiene	5.000	5.582	-11.6	141	0.00
8	C	bromomethane	5.000	5.342	-6.8	132	0.00
9	C	chloroethane	5.000	5.979	-19.6	145	0.00
10		ethanol	25.000	20.271	18.9	107	0.00
11	C	vinyl bromide	5.000	5.724	-14.5	142	0.00
12	C	acrolein	5.000	3.827	23.5	93	0.00
13		acetone	25.000	28.705	-14.8	140	0.00
14		trichlorofluoromethane	5.000	5.045	-0.9	116	0.00
15		isopropyl alcohol	12.500	13.874	-11.0	131	0.00
16	C	acrylonitrile	5.000	4.571	8.6	108	0.00
17	C	1,1-dichloroethene	5.000	5.244	-4.9	122	0.00
18		tertiary butyl alcohol	5.000	5.119	-2.4	118	0.00
19	C	methylene chloride	5.000	5.042	-0.8	119	0.00
20	C	3-chloropropene	5.000	7.947	-58.9#	196	0.00
21	C	carbon disulfide	5.000	5.624	-12.5	137	0.00
22		Freon 113	5.000	5.105	-2.1	121	0.00
23		trans-1,2-dichloroethene	5.000	5.529	-10.6	141	0.00
24	C	1,1-dichloroethane	5.000	4.912	1.8	116	0.00
25	C	MTBE	5.000	5.676	-13.5	139	0.00
26	C	vinyl acetate	5.000	4.018	19.6	105	0.00
27	C	2-butanone	5.000	5.529	-10.6	137	0.00
28		cis-1,2-dichloroethene	5.000	4.942	1.2	117	0.00
29		Ethyl Acetate	5.000	5.781	-15.6	146	0.00
30	C	chloroform	5.000	4.894	2.1	116	0.00
31		Tetrahydrofuran	5.000	6.088	-21.8	151	0.00
32	C	1,2-dichloroethane	5.000	4.683	6.3	114	0.00
33	I	1,4-difluorobenzene	10.000	10.000	0.0	113	0.00
34	C	hexane	5.000	5.687	-13.7	140	0.00
36	C	1,1,1-trichloroethane	5.000	4.917	1.7	112	0.00
37	C	benzene	5.000	4.911	1.8	116	0.00
38	C	carbon tetrachloride	5.000	5.843	-16.9	127	0.00
39		cyclohexane	5.000	5.652	-13.0	139	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\
Data File : r442283_Ev2.D
Acq On : 3 Feb 2026 2:28 PM
Operator : AIRPIANO4:TPH
Sample : WG2171899-3,3,250,250
Misc : WG2171899,ICAL22994
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 03 15:38:59 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:55 2026
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	5.152	-3.0	125	0.00
41	C	1,2-dichloropropane	5.000	4.885	2.3	116	0.00
42		bromodichloromethane	5.000	5.752	-15.0	140	0.00
43	C	1,4-dioxane	5.000	5.878	-17.6	143	0.00
44	C	trichloroethene	5.000	5.045	-0.9	119	0.00
45	C	2,2,4-trimethylpentane	5.000	5.814	-16.3	142	0.00
46		heptane	5.000	5.866	-17.3	141	0.00
47	C	cis-1,3-dichloropropene	5.000	6.139	-22.8	140	0.00
48	C	4-methyl-2-pentanone	5.000	5.704	-14.1	135	0.00
49		trans-1,3-dichloropropene	5.000	6.595	-31.9#	144	0.00
50	C	1,1,2-trichloroethane	5.000	5.097	-1.9	118	0.00
51	I	chlorobenzene-D5	10.000	10.000	0.0	111	0.00
52	C	toluene	5.000	5.211	-4.2	119	0.00
54		2-hexanone	5.000	5.766	-15.3	130	0.00
55		dibromochloromethane	5.000	5.727	-14.5	132	0.00
56	C	1,2-dibromoethane	5.000	5.551	-11.0	122	0.00
57	C	tetrachloroethene	5.000	5.132	-2.6	117	0.00
58		1,1,1,2-tetrachloroethane	5.000	5.378	-7.6	118	0.00
59	C	chlorobenzene	5.000	5.200	-4.0	116	0.00
60	C	ethylbenzene	5.000	5.178	-3.6	114	0.00
61	C	m+p-xylene	10.000	10.637	-6.4	114	0.00
62	C	bromoform	5.000	4.046	19.1	86	0.00
63	C	styrene	5.000	5.496	-9.9	117	0.02
64	C	1,1,2,2-tetrachloroethane	5.000	5.413	-8.3	116	0.00
65	C	o-xylene	5.000	5.306	-6.1	114	0.00
66		1,2,3-Trichloropropane	5.000	5.126	-2.5	112	0.00
68	C	isopropylbenzene	5.000	5.233	-4.7	112	0.00
69		Bromobenzene	5.000	5.241	-4.8	110	0.00
70		4-ethyl toluene	5.000	6.286	-25.7	135	0.00
71		1,3,5-trimethylbenzene	5.000	5.771	-15.4	118	0.00
72		tert-butylbenzene	5.000	5.442	-8.8	112	0.00
73		1,2,4-trimethylbenzene	5.000	5.886	-17.7	119	0.00
74	C	Benzyl Chloride	5.000	6.140	-22.8	120	0.00
75		1,3-dichlorobenzene	5.000	5.783	-15.7	114	0.00
76	C	1,4-dichlorobenzene	5.000	5.919	-18.4	115	0.00
77		sec-butylbenzene	5.000	5.142	-2.8	108	0.00
78		p-isopropyltoluene	5.000	5.369	-7.4	107	0.00
79		1,2-dichlorobenzene	5.000	5.643	-12.9	114	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\
Data File : r442283_Ev2.D
Acq On : 3 Feb 2026 2:28 PM
Operator : AIRPIANO4:TPH
Sample : WG2171899-3,3,250,250
Misc : WG2171899,ICAL22994
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 03 15:38:59 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:55 2026
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	5.558	-11.2	112	-0.02
81	1,2-dibromo-3-chloropropane	5.000	3.254	34.9#	57	-0.02
82 C	1,2,4-trichlorobenzene	5.000	6.484	-29.7	121	-0.04
83	naphthalene	5.000	5.589	-11.8	101	-0.03
84	1,2,3-trichlorobenzene	5.000	5.549	-11.0	104	-0.03
85 C	hexachlorobutadiene	5.000	5.630	-12.6	114	-0.04

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 1

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2026\02\0203SIM\
Data File : r1653977_Ev2.D
Acq On : 3 Feb 2026 12:34 PM
Operator : AIRLAB16:TPH
Sample : WG2171920-3,3,250,250
Misc : WG2171920,ICAL22984
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 03 13:54:56 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\02\0203SIM\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 08:56:04 2026
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	84	0.03
2		propylene	5.000	7.091	-41.8#	125	0.01
3		dichlorodifluoromethane	5.000	5.170	-3.4	91	0.01
4	C	chloromethane	5.000	5.890	-17.8	101	0.01
5		Freon-114	5.000	5.591	-11.8	98	0.02
6	C	vinyl chloride	5.000	5.688	-13.8	103	0.02
7	C	1,3-butadiene	5.000	6.005	-20.1	105	0.02
8	C	bromomethane	5.000	6.034	-20.7	113	0.02
9	C	chloroethane	5.000	5.520	-10.4	101	0.02
10		ethanol	25.000	22.094	11.6	66	0.02
11	C	vinyl bromide	5.000	6.714	-34.3#	130	0.02
12	C	acrolein	5.000	3.888	22.2	74	0.03
13		acetone	25.000	34.663	-38.7#	125	0.02
14		trichlorofluoromethane	5.000	5.835	-16.7	103	0.02
15		isopropyl alcohol	12.500	14.834	-18.7	113	0.02
16	C	acrylonitrile	5.000	4.329	13.4	71	0.03
17	C	1,1-dichloroethene	5.000	6.253	-25.1	112	0.02
18		tertiary butyl alcohol	5.000	5.496	-9.9	97	0.02
19	C	methylene chloride	5.000	5.532	-10.6	96	0.02
20	C	3-chloropropene	5.000	7.724	-54.5#	137	0.02
21	C	carbon disulfide	5.000	5.659	-13.2	104	0.03
22		Freon 113	5.000	6.426	-28.5	115	0.03
23		trans-1,2-dichloroethene	5.000	6.577	-31.5#	119	0.02
24	C	1,1-dichloroethane	5.000	6.484	-29.7	116	0.03
25	C	MTBE	5.000	5.698	-14.0	104	0.03
26	C	vinyl acetate	5.000	5.536	-10.7	102	0.03
27	C	2-butanone	5.000	7.048	-41.0#	123	0.03
28		cis-1,2-dichloroethene	5.000	6.298	-26.0	112	0.03
29		Ethyl Acetate	5.000	7.574	-51.5#	132	0.03
30	C	chloroform	5.000	5.156	-3.1	95	0.03
31		Tetrahydrofuran	5.000	7.871	-57.4#	139	0.03
32	C	1,2-dichloroethane	5.000	5.870	-17.4	103	0.03
33	I	1,4-difluorobenzene	10.000	10.000	0.0	84	0.03
34	C	hexane	5.000	5.297	-5.9	107	0.03
36	C	1,1,1-trichloroethane	5.000	6.360	-27.2	113	0.03
37	C	benzene	5.000	5.119	-2.4	91	0.03
38	C	carbon tetrachloride	5.000	6.442	-28.8	114	0.03
39		cyclohexane	5.000	5.773	-15.5	105	0.03

Data Path : X:\Airlab\Data\Airlab16\2026\02\0203SIM\
Data File : r1653977_Ev2.D
Acq On : 3 Feb 2026 12:34 PM
Operator : AIRLAB16:TPH
Sample : WG2171920-3,3,250,250
Misc : WG2171920,ICAL22984
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 03 13:54:56 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\02\0203SIM\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 08:56:04 2026
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	6.072	-21.4	105	0.03
41	C	1,2-dichloropropane	5.000	7.006	-40.1#	121	0.03
42		bromodichloromethane	5.000	6.104	-22.1	111	0.03
43	C	1,4-dioxane	5.000	5.986	-19.7	107	0.03
44	C	trichloroethene	5.000	6.118	-22.4	111	0.03
45	C	2,2,4-trimethylpentane	5.000	6.139	-22.8	109	0.03
46		heptane	5.000	7.161	-43.2#	127	0.03
47	C	cis-1,3-dichloropropene	5.000	7.094	-41.9#	118	0.03
48	C	4-methyl-2-pentanone	5.000	7.285	-45.7#	124	0.03
49		trans-1,3-dichloropropene	5.000	8.093	-61.9#	119	0.02
50	C	1,1,2-trichloroethane	5.000	6.873	-37.5#	119	0.03
51	I	chlorobenzene-D5	10.000	10.000	0.0	84	0.02
52	C	toluene	5.000	6.437	-28.7	113	0.03
54		2-hexanone	5.000	7.554	-51.1#	118	0.03
55		dibromochloromethane	5.000	8.586	-71.7#	144	0.03
56	C	1,2-dibromoethane	5.000	6.444	-28.9	108	0.03
57	C	tetrachloroethene	5.000	6.237	-24.7	111	0.03
58		1,1,1,2-tetrachloroethane	5.000	6.765	-35.3#	108	0.03
59	C	chlorobenzene	5.000	5.511	-10.2	97	0.02
60	C	ethylbenzene	5.000	6.508	-30.2#	112	0.03
61	C	m+p-xylene	10.000	13.159	-31.6#	112	0.02
62	C	bromoform	5.000	9.325	-86.5#	148	0.02
63	C	styrene	5.000	6.107	-22.1	98	0.02
64	C	1,1,2,2-tetrachloroethane	5.000	6.708	-34.2#	116	0.02
65	C	o-xylene	5.000	6.464	-29.3	111	0.02
66		1,2,3-Trichloropropane	5.000	5.206	-4.1	85	0.03
68	C	isopropylbenzene	5.000	5.160	-3.2	84	0.02
69		Bromobenzene	5.000	5.207	-4.1	85	0.02
70		4-ethyl toluene	5.000	5.854	-17.1	99	0.02
71		1,3,5-trimethylbenzene	5.000	5.990	-19.8	99	0.02
72		tert-butylbenzene	5.000	6.044	-20.9	96	0.03
73		1,2,4-trimethylbenzene	5.000	6.012	-20.2	100	0.03
74	C	Benzyl Chloride	5.000	7.179	-43.6#	111	0.03
75		1,3-dichlorobenzene	5.000	6.364	-27.3	104	0.02
76	C	1,4-dichlorobenzene	5.000	6.254	-25.1	102	0.02
77		sec-butylbenzene	5.000	5.290	-5.8	82	0.02
78		p-isopropyltoluene	5.000	6.006	-20.1	92	0.02
79		1,2-dichlorobenzene	5.000	6.310	-26.2	104	0.03

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2026\02\0203SIM\
Data File : r1653977_Ev2.D
Acq On : 3 Feb 2026 12:34 PM
Operator : AIRLAB16:TPH
Sample : WG2171920-3,3,250,250
Misc : WG2171920,ICAL22984
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 03 13:54:56 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\02\0203SIM\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 08:56:04 2026
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	6.722	-34.4#	99	0.02
81		1,2-dibromo-3-chloropropane	5.000	6.249	-25.0	86	0.03
82	C	1,2,4-trichlorobenzene	5.000	7.323	-46.5#	105	0.07
83		naphthalene	5.000	6.005	-20.1	81	0.07
84		1,2,3-trichlorobenzene	5.000	6.099	-22.0	81	0.07
85	C	hexachlorobutadiene	5.000	7.500	-50.0#	106	0.07

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 14

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238353.D
Acq On : 02 Feb 2026 04:29 pm
Operator : AIRLAB23:TPH
Sample : WG2171514-3,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 02 17:17:14 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2026\02\0202SIM\R238353.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.873	49	256103	10.000	ppbV	0.00
Standard Area = 256103			Recovery = 100.00%			
33) 1,4-difluorobenzene	11.059	114	957969	10.000	ppbV	0.00
Standard Area = 957969			Recovery = 100.00%			
51) chlorobenzene-D5	15.729	54	117966	10.000	ppbV	0.00
Standard Area = 117966			Recovery = 100.00%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	3.871	85	319504	4.474	ppbV	100
4) chloromethane	4.035	50	87186	4.451	ppbV	100
5) Freon-114	4.140	85	354603	4.120	ppbV	94
6) vinyl chloride	4.257	62	116706	4.473	ppbV	99
8) bromomethane	4.673	94	139026	4.439	ppbV	99
9) chloroethane	4.854	64	64765	4.304	ppbV	95
10) ethanol	5.006	31	202086	20.765	ppbV	88
14) trichlorofluoromethane	5.680	101	314037	4.158	ppbV	99
17) 1,1-dichloroethene	6.367	61	201488	4.641	ppbV	100
18) tertiary butyl alcohol	6.440	59	100330	3.398	ppbV	98
19) methylene chloride	6.507	49	123106	5.166	ppbV	100
22) Freon 113	6.804	101	271118	4.464	ppbV	98
23) trans-1,2-dichloroethene	7.539	61	134514	4.537	ppbV	97
24) 1,1-dichloroethane	7.761	63	195649	4.748	ppbV	100
25) MTBE	7.831	73	243654	4.136	ppbV	95
27) 2-butanone	8.205	43	149522	4.717	ppbV	98
28) cis-1,2-dichloroethene	8.694	61	139422	4.371	ppbV	95
30) chloroform	9.028	83	261967	4.381	ppbV	99
32) 1,2-dichloroethane	9.851	62	145927	4.149	ppbV	98
34) hexane	8.939	57	137380	5.873	ppbV	77
36) 1,1,1-trichloroethane	10.128	97	304507	4.973	ppbV	99
37) benzene	10.645	78	362949	5.297	ppbV	100
38) carbon tetrachloride	10.814	117	294036	4.553	ppbV	99
39) cyclohexane	10.946	56	129528	5.473	ppbV	89
41) 1,2-dichloropropane	11.568	63	125098	5.631	ppbV #	94
42) bromodichloromethane	11.795	83	278492	5.307	ppbV	99
43) 1,4-dioxane	11.842	88	77066	5.082	ppbV	94
44) trichloroethene	11.851	130	203242	4.930	ppbV	99

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238353.D
Acq On : 02 Feb 2026 04:29 pm
Operator : AIRLAB23:TPH
Sample : WG2171514-3,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 02 17:17:14 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2026\02\0202SIM\R238353.D
Sub List : Default-LCS-AP2 - All compounds listed

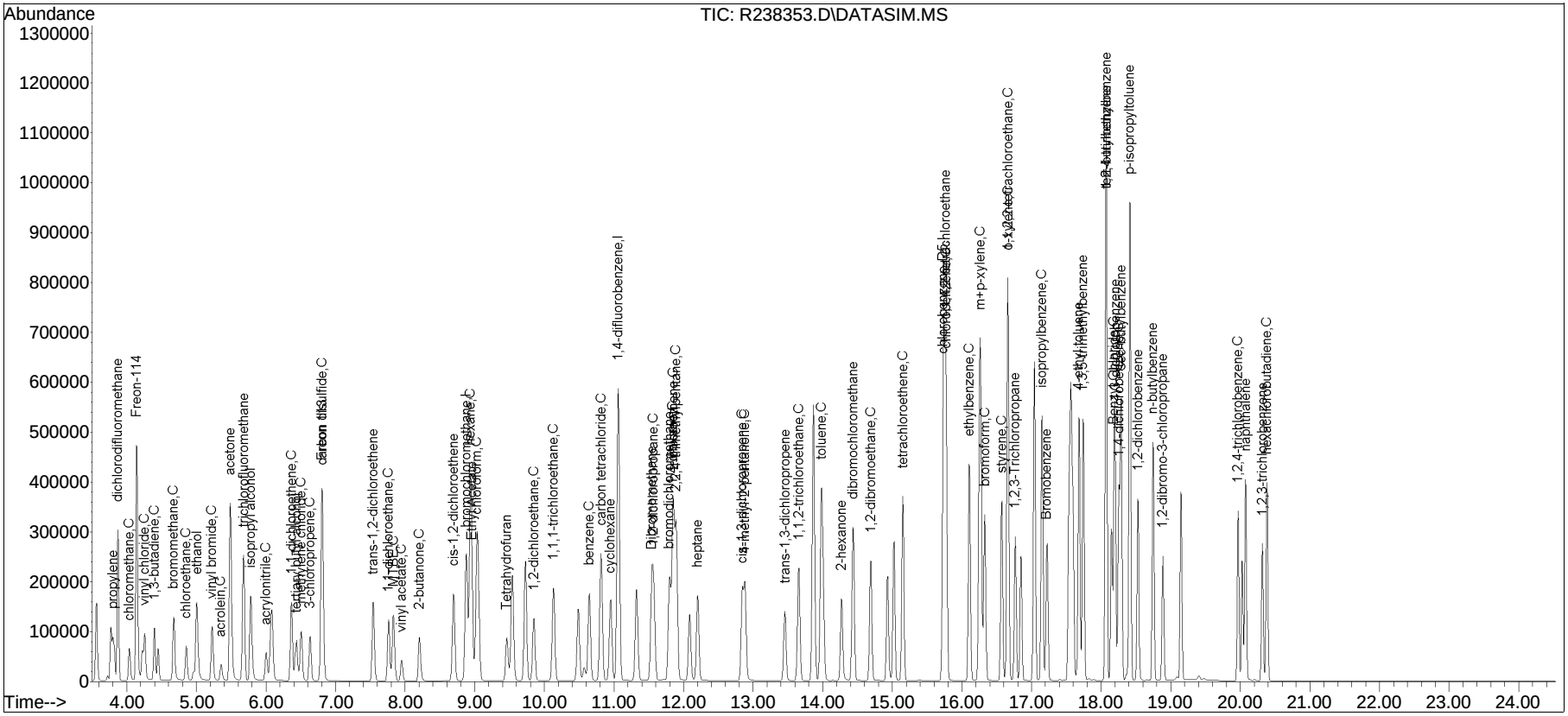
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 2,2,4-trimethylpentane	11.889	57	439987	6.042	ppbV		92
46) heptane	12.200	43	130746	5.926	ppbV	#	95
47) cis-1,3-dichloropropene	12.840	75	214865	5.873	ppbV		95
48) 4-methyl-2-pentanone	12.882	43	187271	5.493	ppbV		96
49) trans-1,3-dichloropropene	13.457	75	168197	5.839	ppbV		94
50) 1,1,2-trichloroethane	13.657	97	178074	5.156	ppbV		98
52) toluene	13.983	91	453045	5.420	ppbV		99
55) dibromochloromethane	14.433	129	324865	5.466	ppbV		100
56) 1,2-dibromoethane	14.692	107	279040	5.441	ppbV		100
57) tetrachloroethene	15.151	166	278940	5.128	ppbV		96
59) chlorobenzene	15.772	112	391648	5.309	ppbV		99
60) ethylbenzene	16.103	91	547487	5.071	ppbV		99
61) m+p-xylene	16.260	91	869504	10.683	ppbV		99
62) bromoform	16.329	173	317669	5.708	ppbV		100
63) styrene	16.573	104	326515	5.210	ppbV		99
64) 1,1,2,2-tetrachloroethane	16.660	83	361671	5.909	ppbV		99
65) o-xylene	16.660	91	429305	5.179	ppbV		100
71) 1,3,5-trimethylbenzene	17.739	105	501997	5.542	ppbV		98
73) 1,2,4-trimethylbenzene	18.073	105	528061	5.495	ppbV		94
74) Benzyl Chloride	18.185	91	337121	5.317	ppbV		100
75) 1,3-dichlorobenzene	18.201	146	444991	5.615	ppbV		96
76) 1,4-dichlorobenzene	18.257	146	441084	5.742	ppbV		97
79) 1,2-dichlorobenzene	18.528	146	428274	5.686	ppbV		97
82) 1,2,4-trichlorobenzene	19.965	180	403351	6.341	ppbV		96
83) naphthalene	20.077	128	644497	5.221	ppbV		97
85) hexachlorobutadiene	20.381	225	352726	6.172	ppbV		94

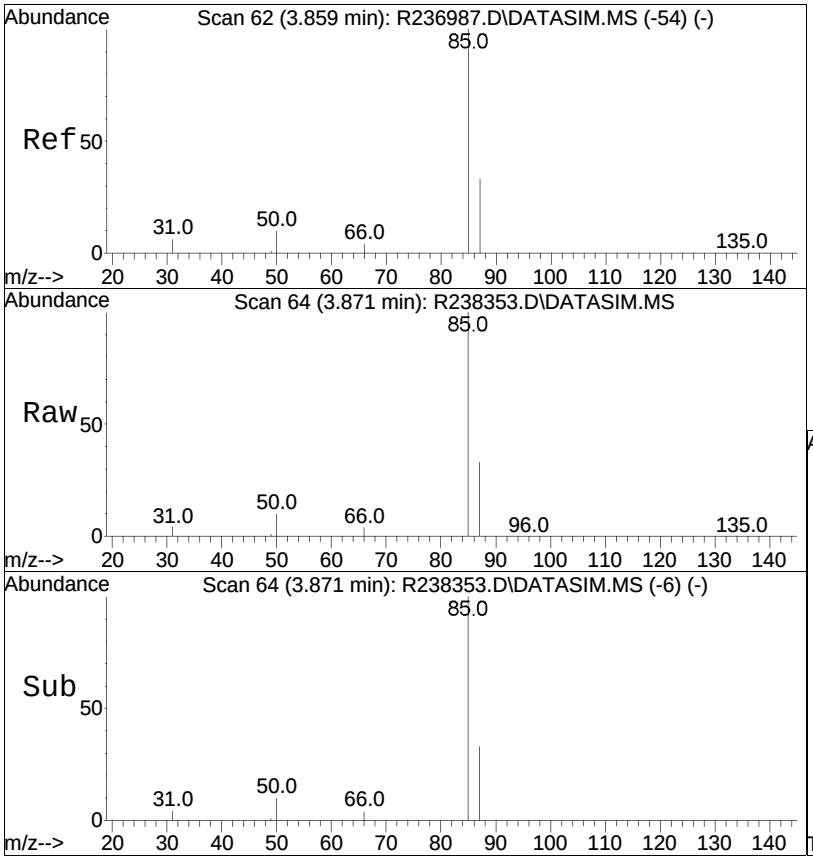
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-LCS-AP2 - All compounds listedM\R238353.D

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238353.D
Acq On : 02 Feb 2026 04:29 pm
Operator : AIRLAB23:TPH
Sample : WG2171514-3,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 02 17:17:14 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

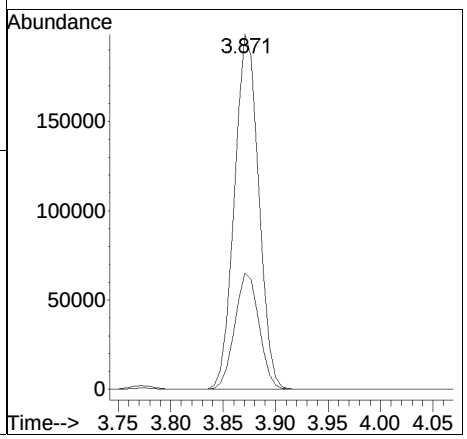


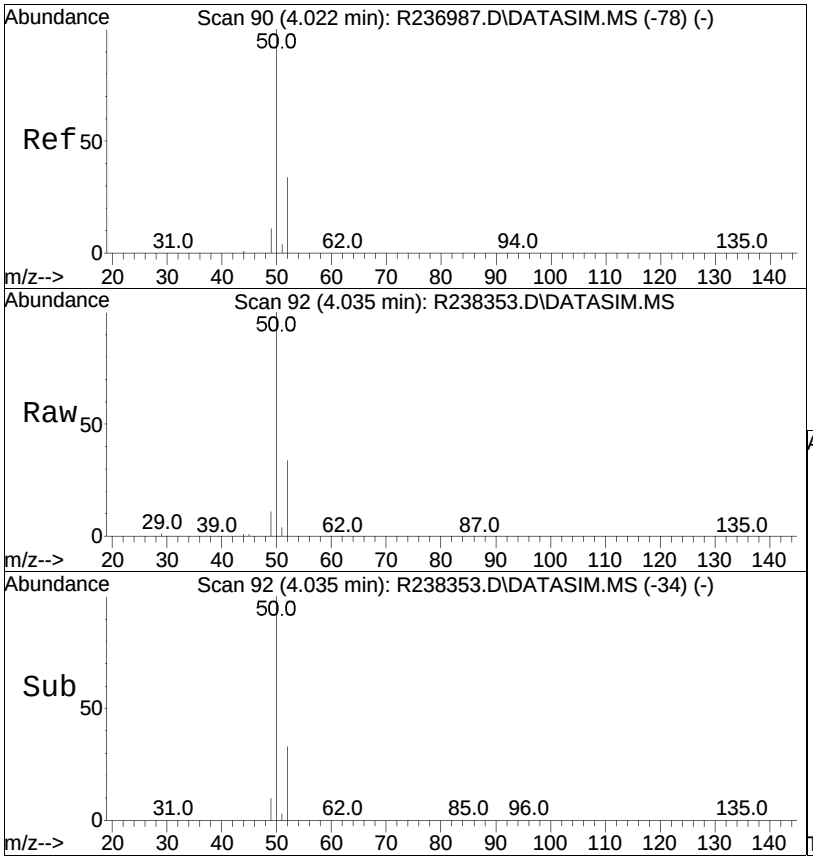


#3
dichlorodifluoromethane
Concen: 4.47 ppbV
RT: 3.871 min Scan# 64
Delta R.T. 0.012 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 85 Resp: 319504

Ion	Ratio	Lower	Upper
85	100		
87	32.7	26.3	39.5

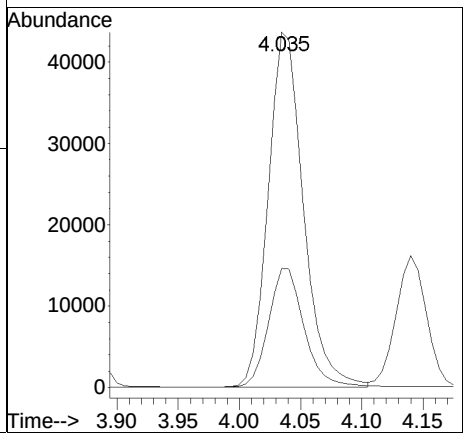


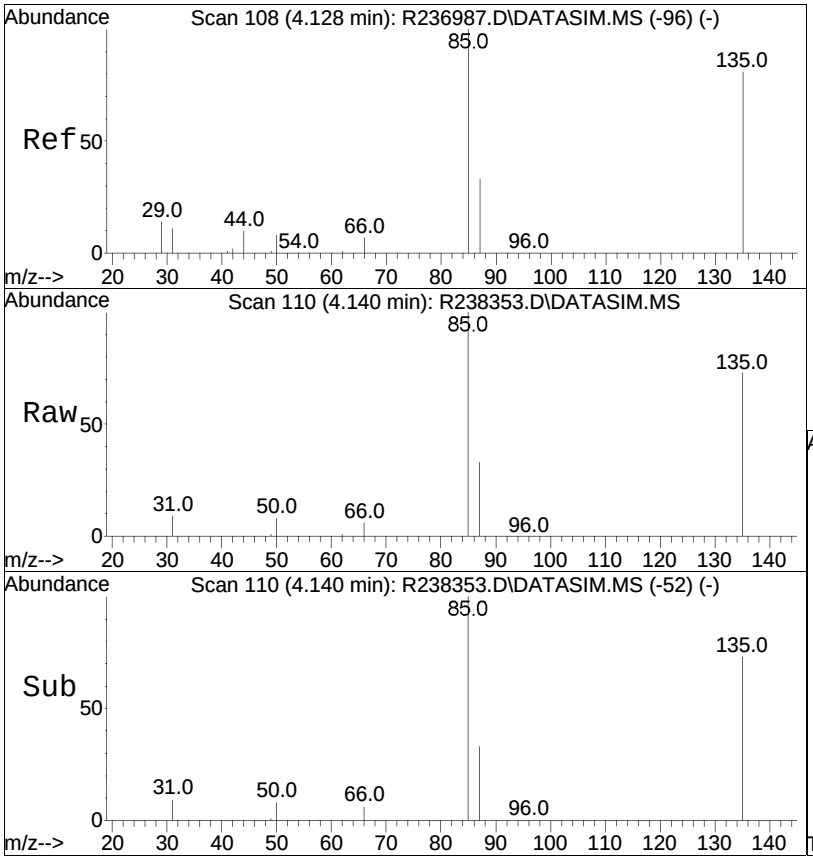


#4
chloromethane
Concen: 4.45 ppbV
RT: 4.035 min Scan# 92
Delta R.T. 0.012 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 50 Resp: 87186

Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.9	40.3

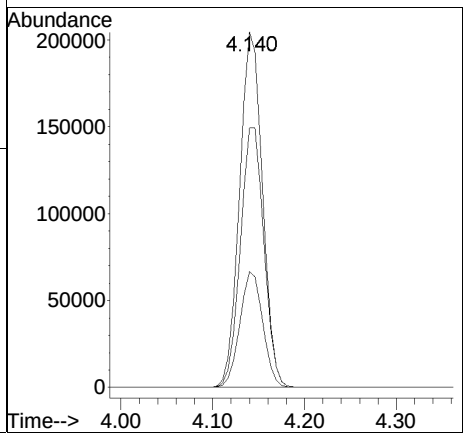


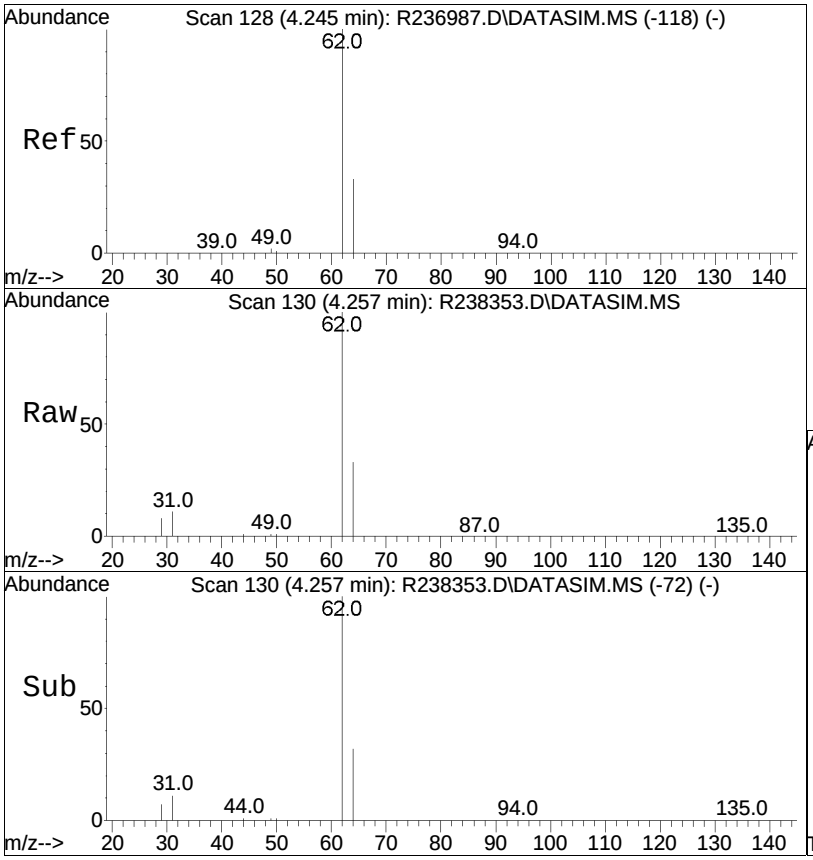


#5
Freon-114
Concen: 4.12 ppbV
RT: 4.140 min Scan# 110
Delta R.T. 0.012 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 85 Resp: 354603

Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.4	39.6
135	73.1	64.6	97.0

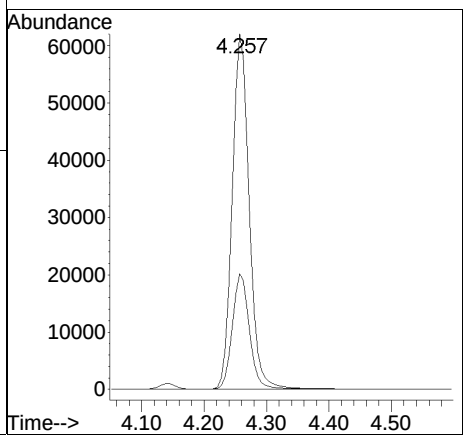


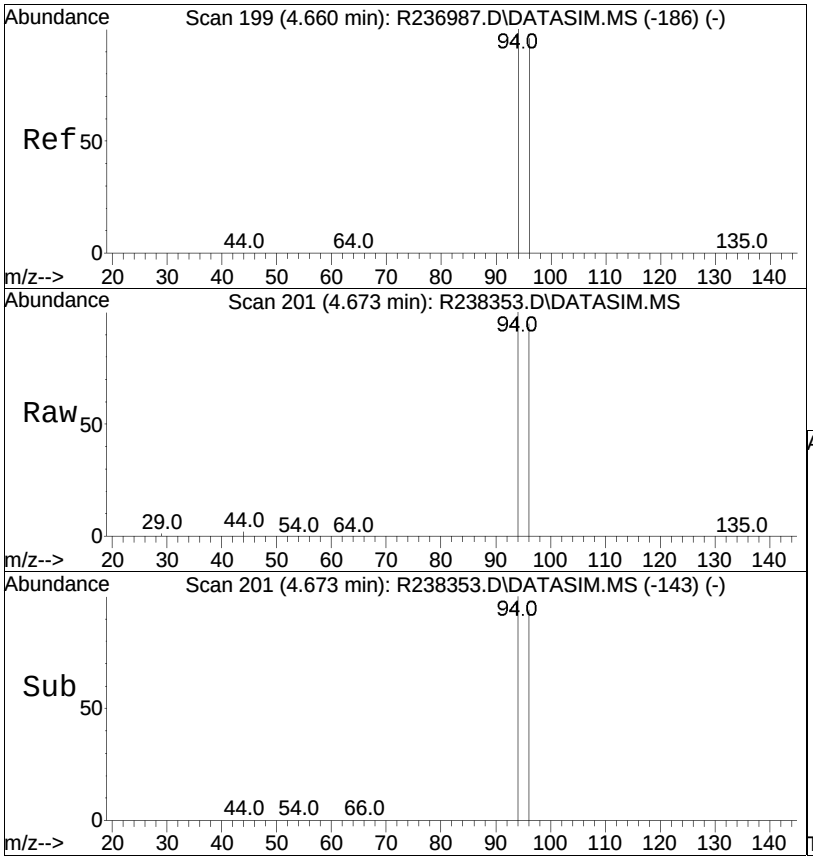


#6
vinyl chloride
Concen: 4.47 ppbV
RT: 4.257 min Scan# 130
Delta R.T. 0.012 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 62 Resp: 116706

Ion	Ratio	Lower	Upper
62	100		
64	32.6	26.4	39.6

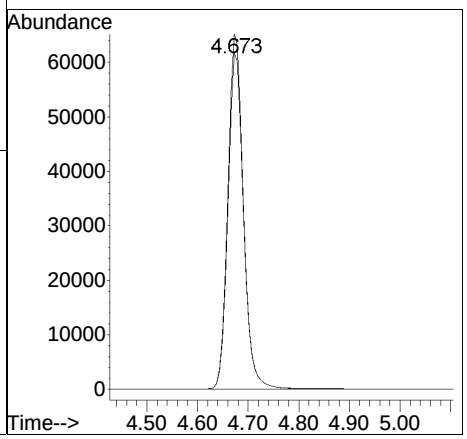


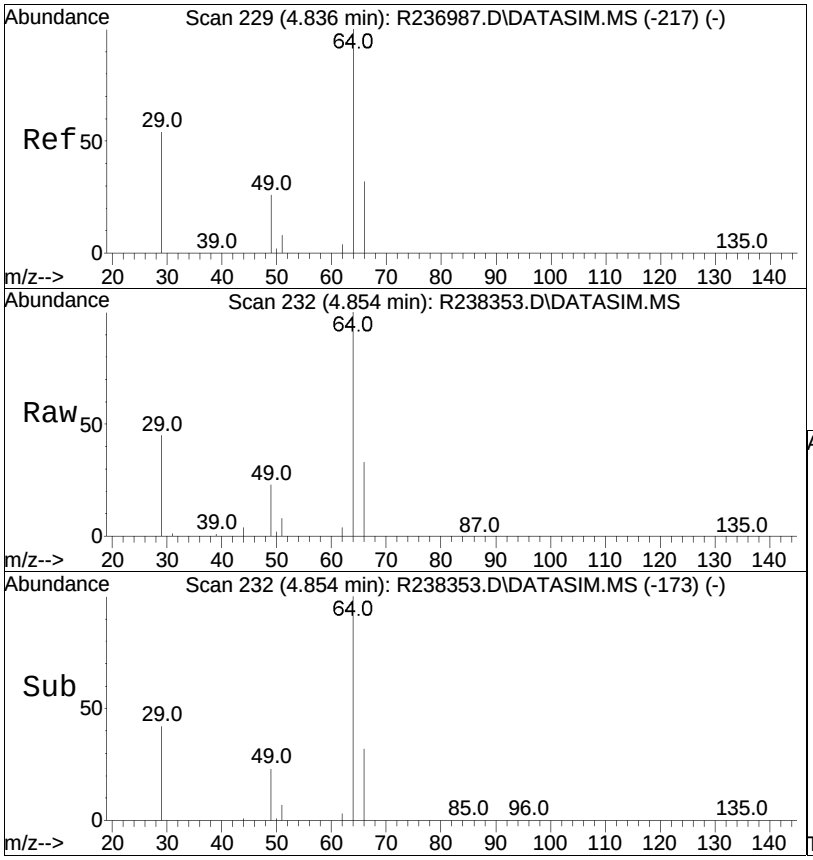


#8
bromomethane
Concen: 4.44 ppbV
RT: 4.673 min Scan# 201
Delta R.T. 0.012 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 94 Resp: 139026

Ion	Ratio	Lower	Upper
94	100		
96	94.5	76.5	114.7

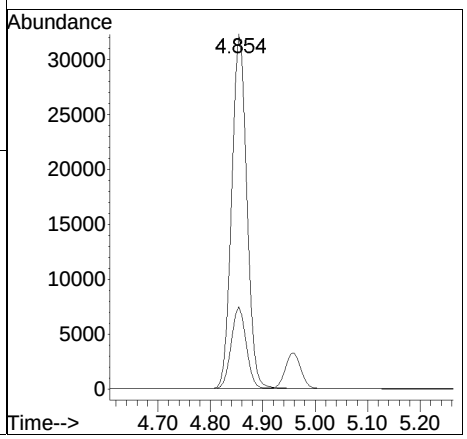


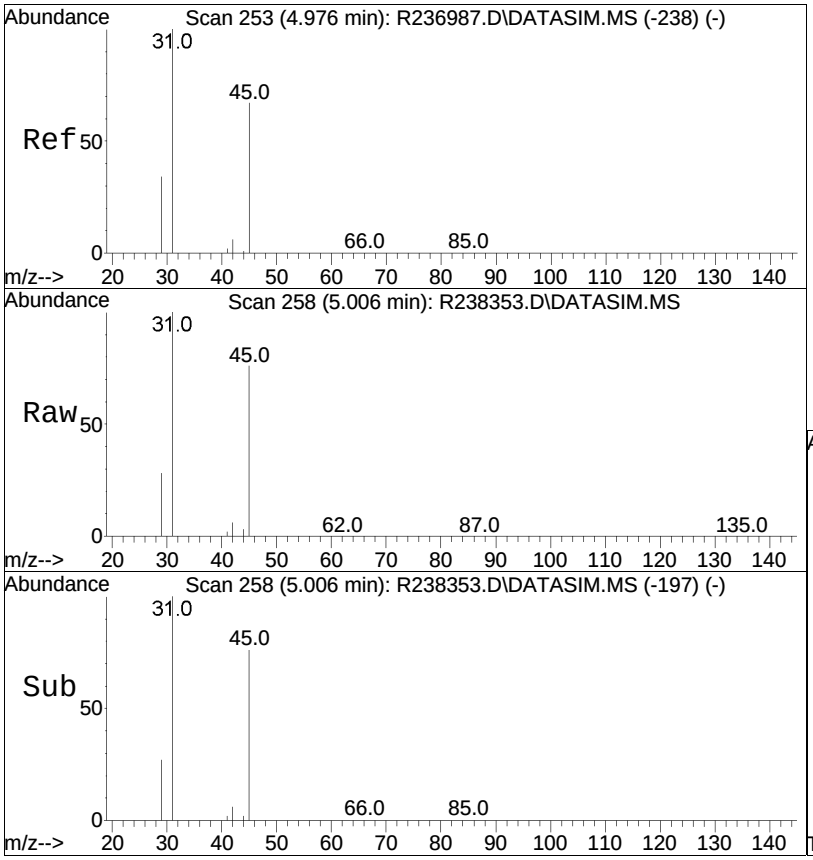


#9
chloroethane
Concen: 4.30 ppbV
RT: 4.854 min Scan# 232
Delta R.T. 0.018 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 64 Resp: 64765

Ion	Ratio	Lower	Upper
64	100		
49	23.2	20.8	31.2

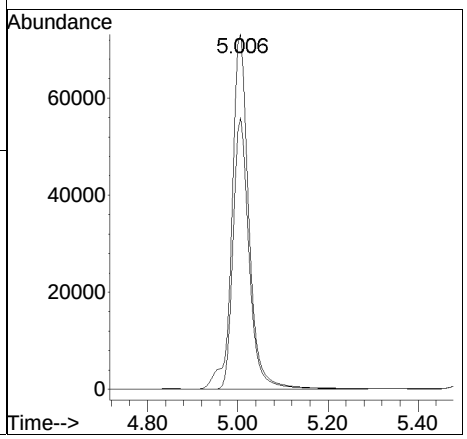


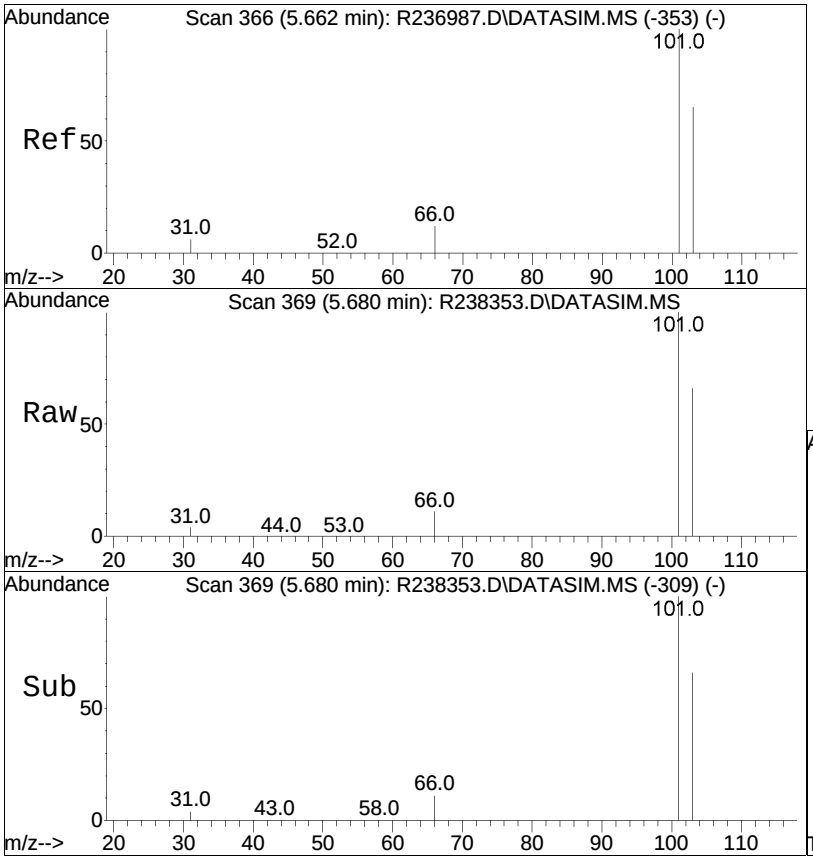


#10
ethanol
Concen: 20.77 ppbV
RT: 5.006 min Scan# 258
Delta R.T. 0.030 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 31 Resp: 202086

Ion	Ratio	Lower	Upper
31	100		
45	76.4	53.5	80.3

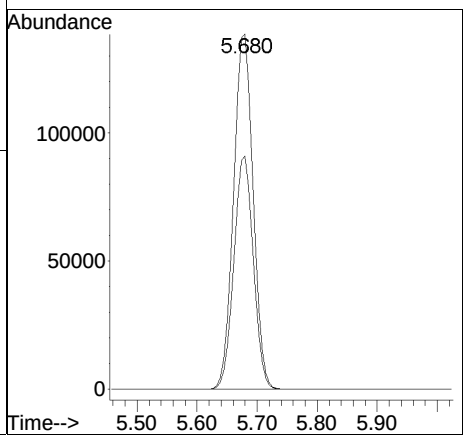


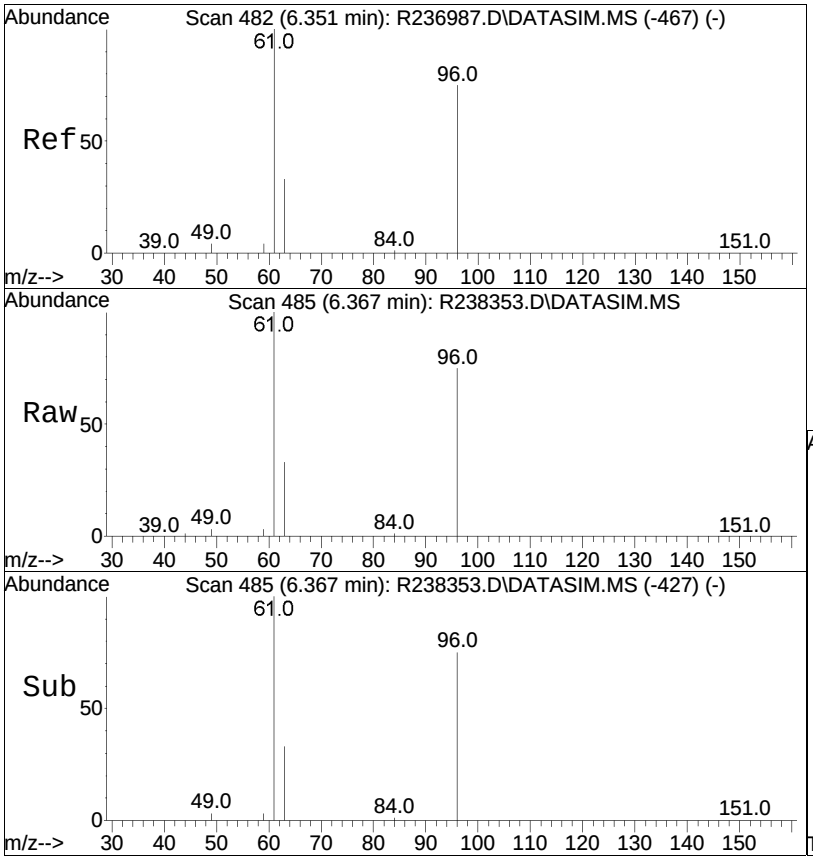


#14
trichlorofluoromethane
Concen: 4.16 ppbV
RT: 5.680 min Scan# 369
Delta R.T. 0.018 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion:101 Resp: 314037

Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.1	78.1

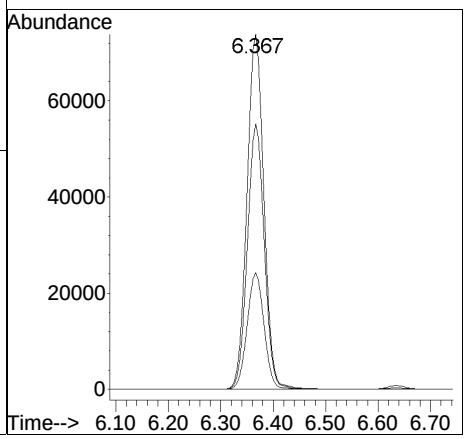


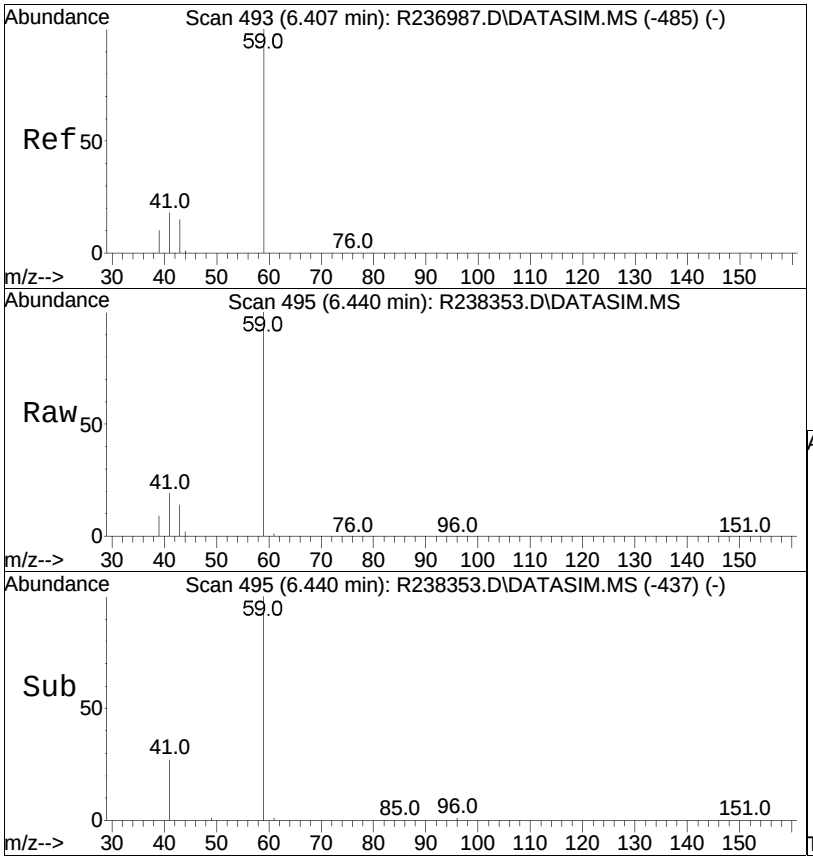


#17
1,1-dichloroethene
Concen: 4.64 ppbV
RT: 6.367 min Scan# 485
Delta R.T. 0.015 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 61 Resp: 201488

Ion	Ratio	Lower	Upper
61	100		
96	74.8	59.8	89.8
63	32.8	26.3	39.5

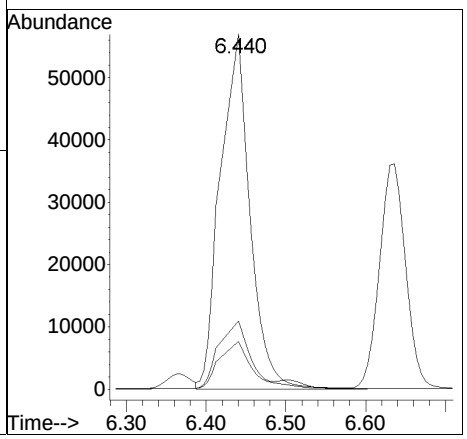


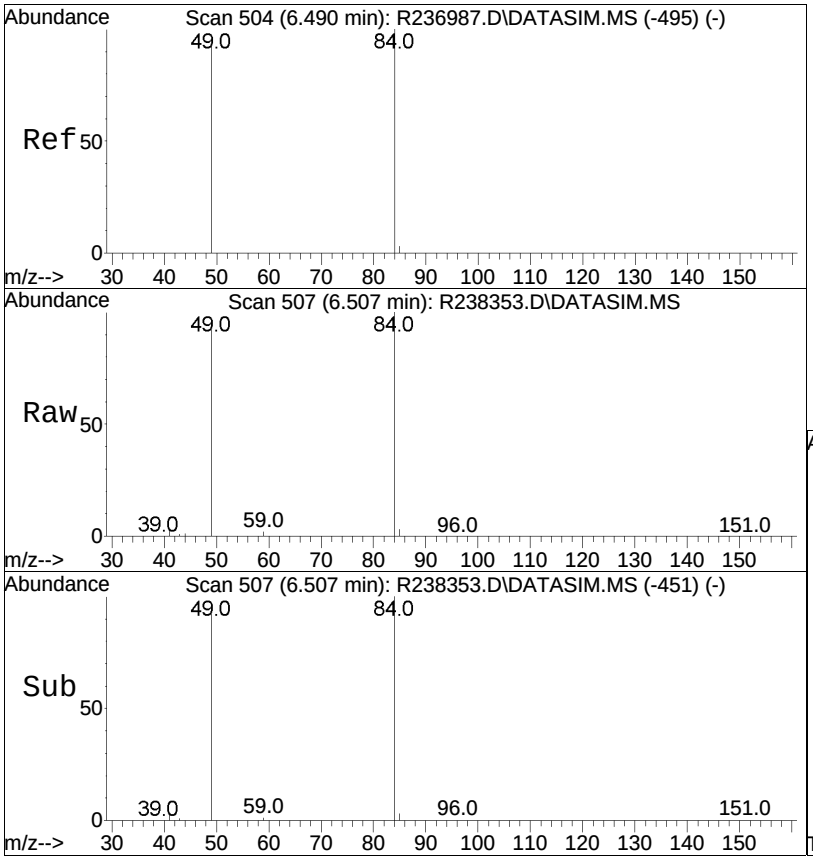


#18
tertiary butyl alcohol
Concen: 3.40 ppbV
RT: 6.440 min Scan# 495
Delta R.T. 0.033 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 59 Resp: 100330

Ion	Ratio	Lower	Upper
59	100		
41	20.5	15.4	23.0
43	15.3	12.2	18.2

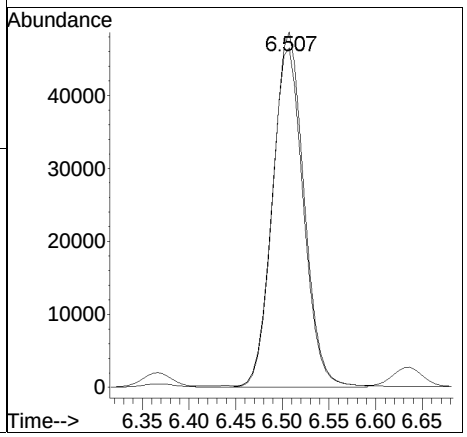


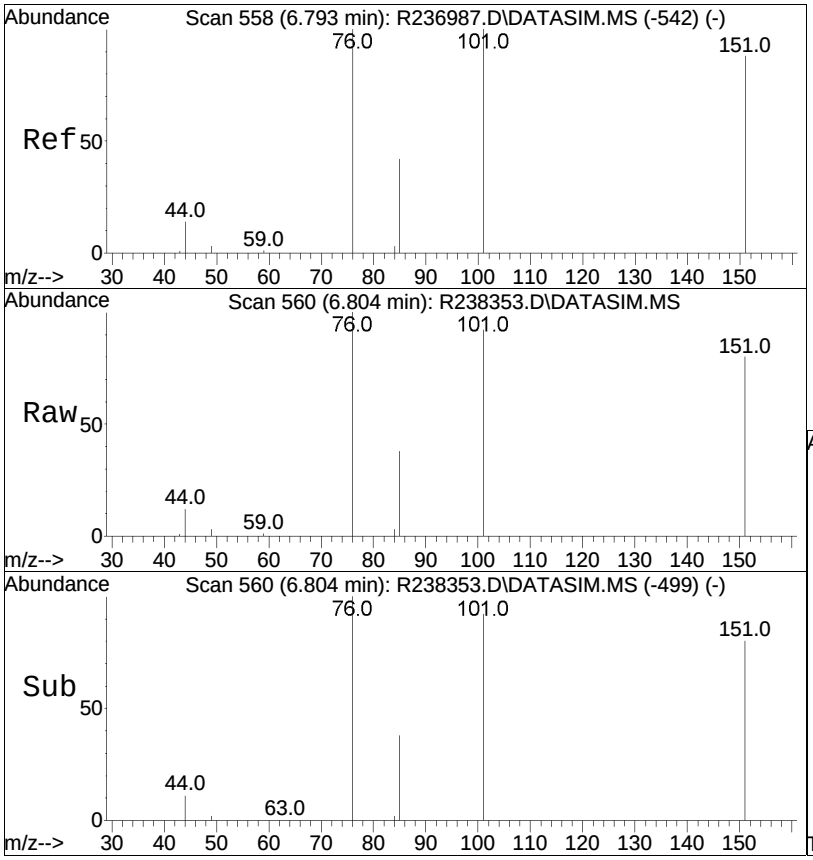


#19
methylene chloride
Concen: 5.17 ppbV
RT: 6.507 min Scan# 507
Delta R.T. 0.017 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 49 Resp: 123106

Ion	Ratio	Lower	Upper
49	100		
84	104.7	83.5	125.3

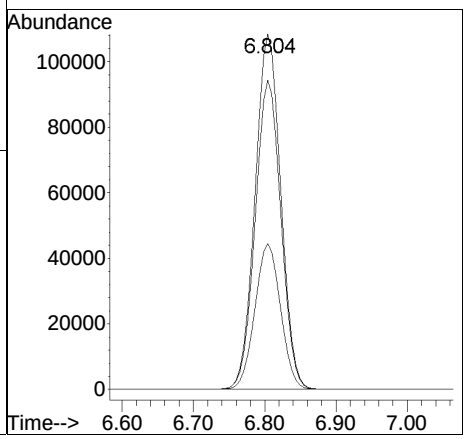


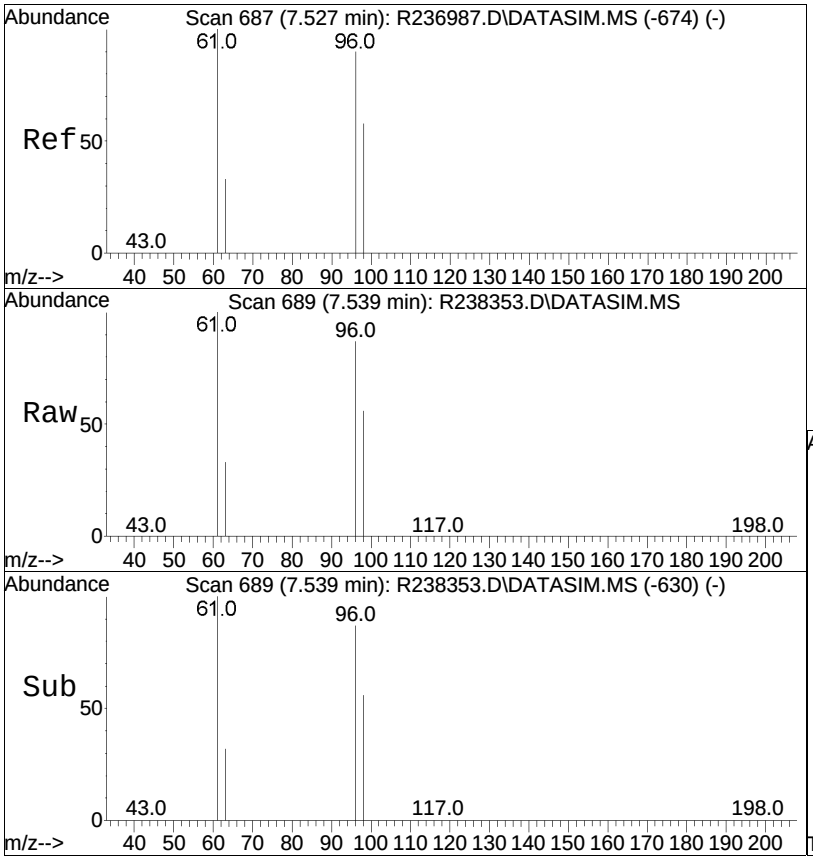


#22
Freon 113
Concen: 4.46 ppbV
RT: 6.804 min Scan# 560
Delta R.T. 0.011 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion:101 Resp: 271118

Ion	Ratio	Lower	Upper
101	100		
85	41.0	33.8	50.8
151	87.0	71.0	106.4

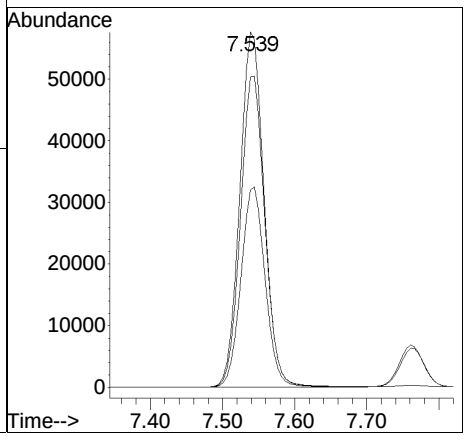


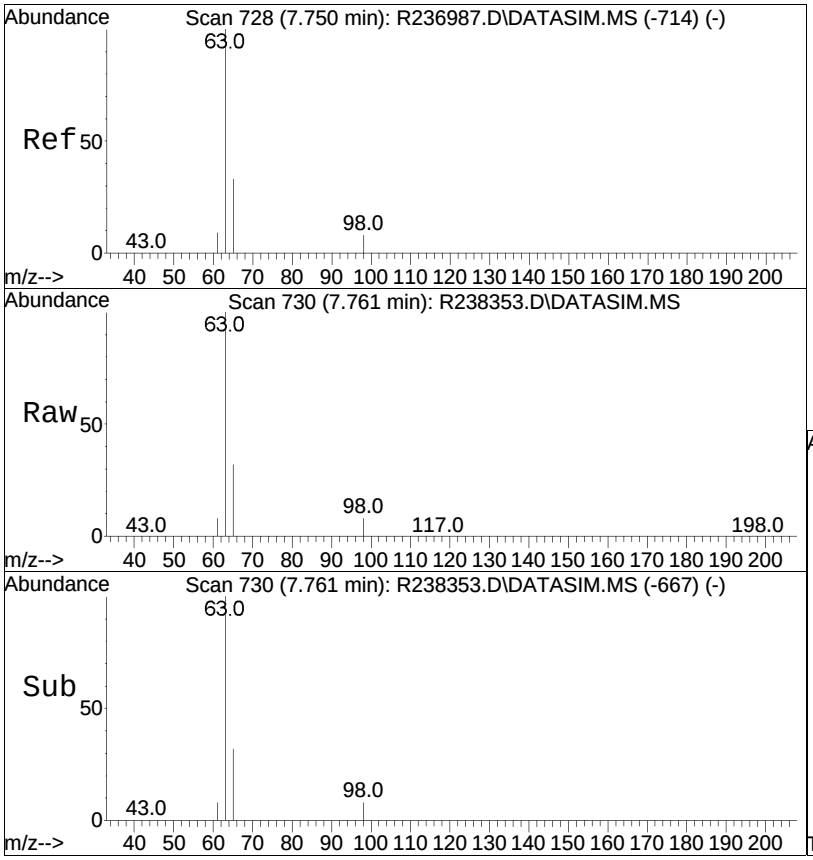


#23
trans-1,2-dichloroethene
Concen: 4.54 ppbV
RT: 7.539 min Scan# 689
Delta R.T. 0.011 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 61 Resp: 134514

Ion	Ratio	Lower	Upper
61	100		
96	87.4	71.8	107.8
98	55.6	46.2	69.2

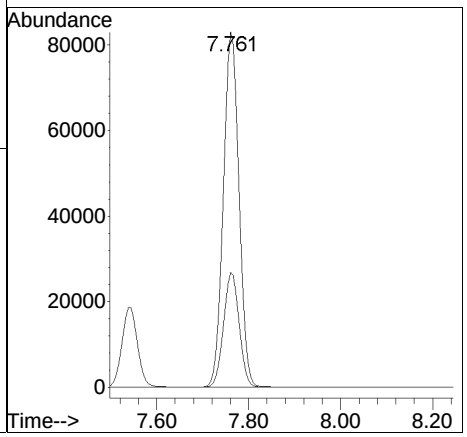


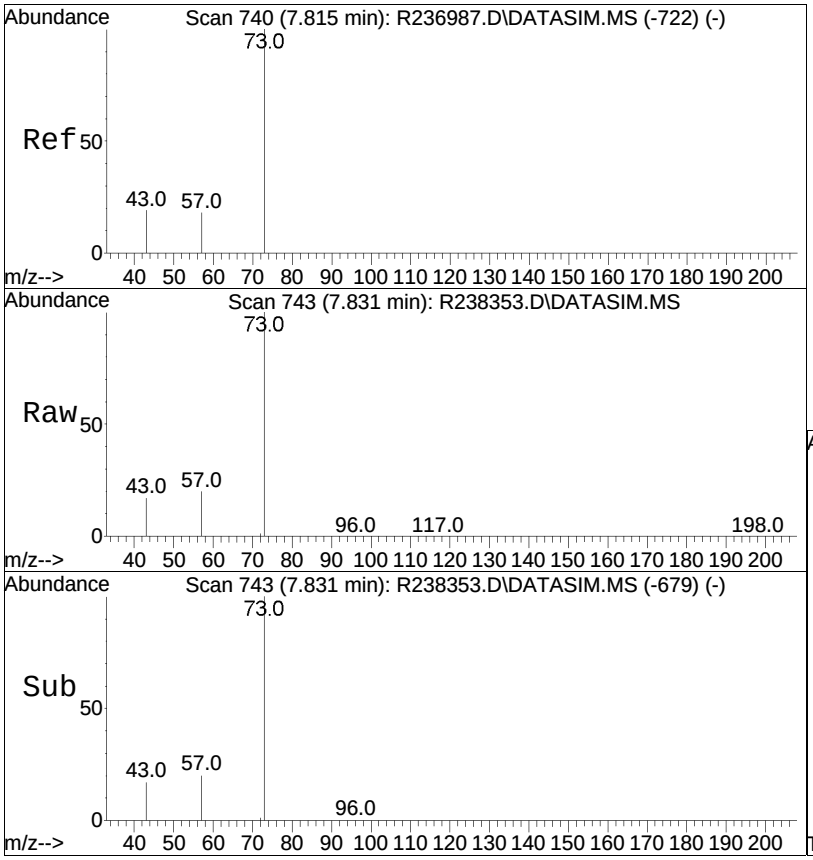


#24
1,1-dichloroethane
Concen: 4.75 ppbV
RT: 7.761 min Scan# 730
Delta R.T. 0.011 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 63 Resp: 195649

Ion	Ratio	Lower	Upper
63	100		
65	32.4	26.1	39.1

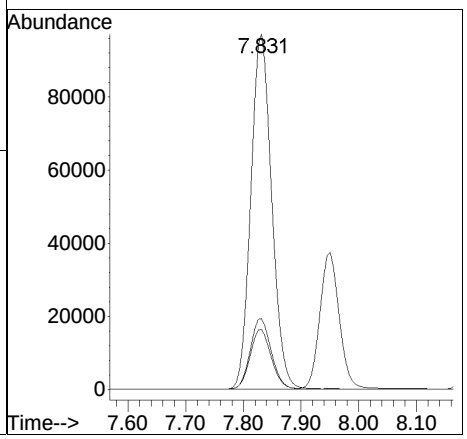


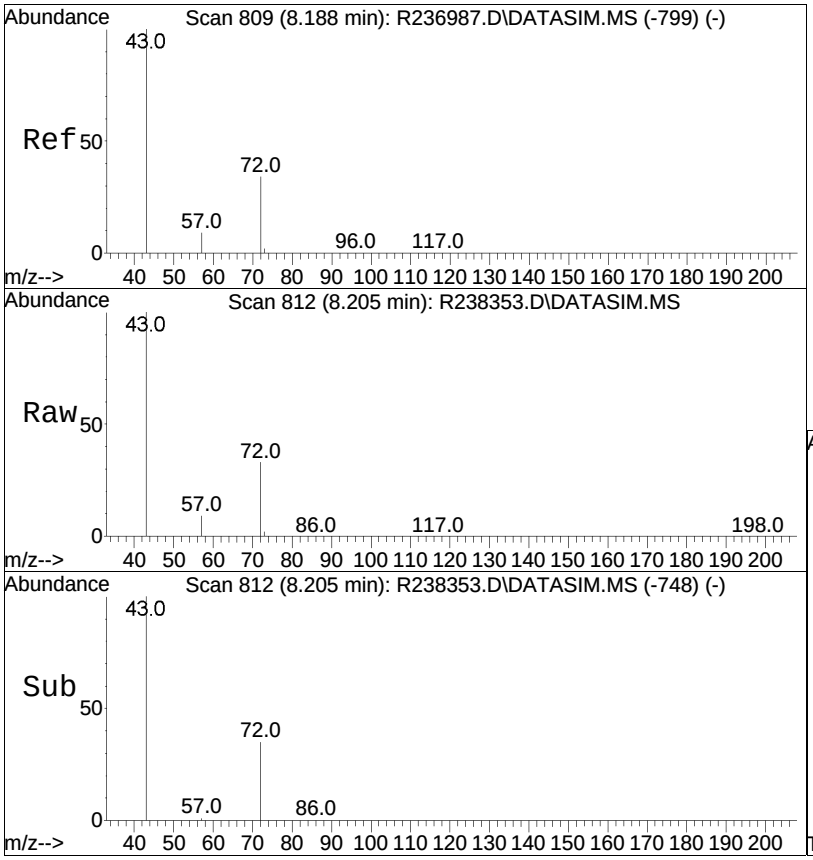


#25
MTBE
Concen: 4.14 ppbV
RT: 7.831 min Scan# 743
Delta R.T. 0.017 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 73 Resp: 243654

Ion	Ratio	Lower	Upper
73	100		
57	20.0	14.6	22.0
43	16.9	15.7	23.5

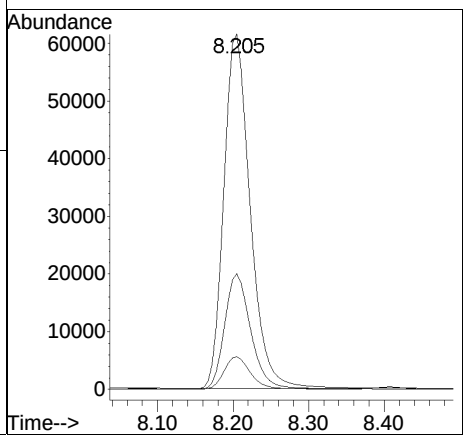


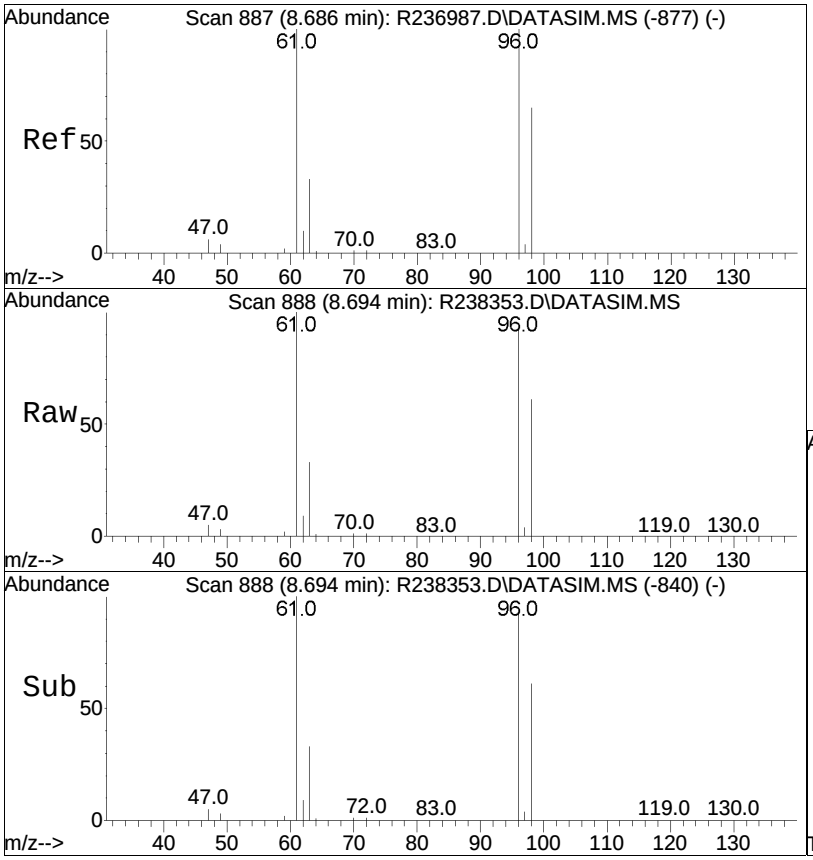


#27
2-butanone
Concen: 4.72 ppbV
RT: 8.205 min Scan# 812
Delta R.T. 0.017 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 43 Resp: 149522

Ion	Ratio	Lower	Upper
43	100		
72	32.5	27.0	40.4
57	9.2	7.7	11.5

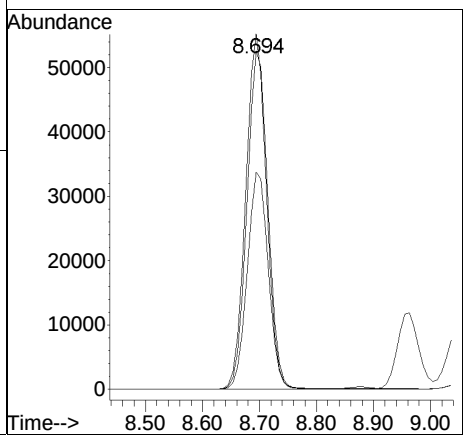


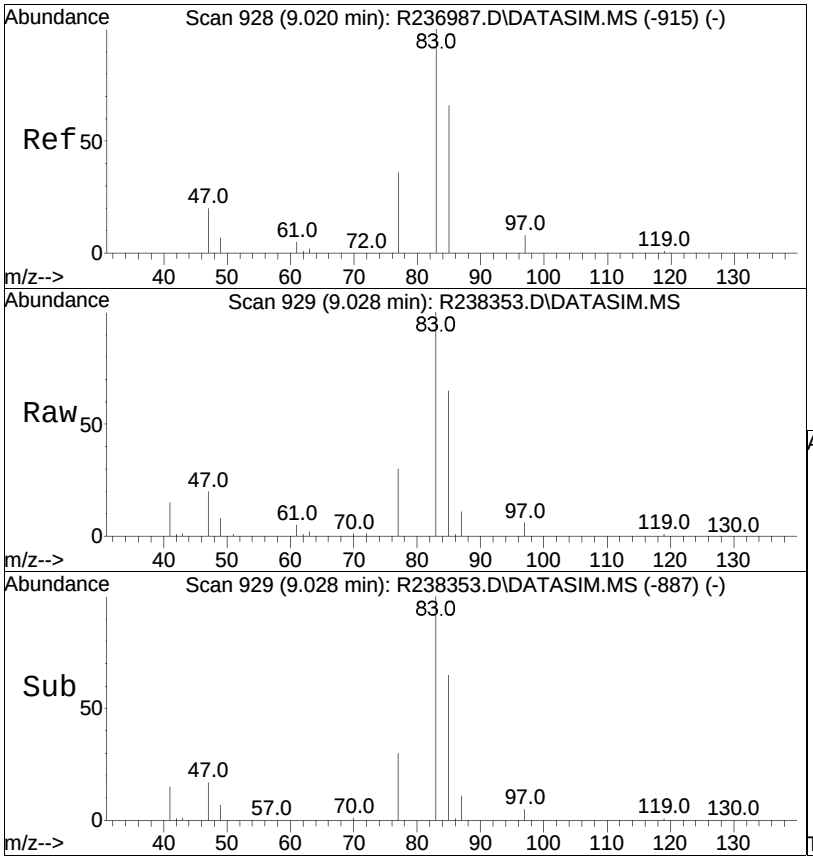


#28
cis-1,2-dichloroethene
Concen: 4.37 ppbV
RT: 8.694 min Scan# 888
Delta R.T. 0.008 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 61 Resp: 139422

Ion	Ratio	Lower	Upper
61	100		
96	95.3	80.4	120.6
98	61.1	52.0	78.0

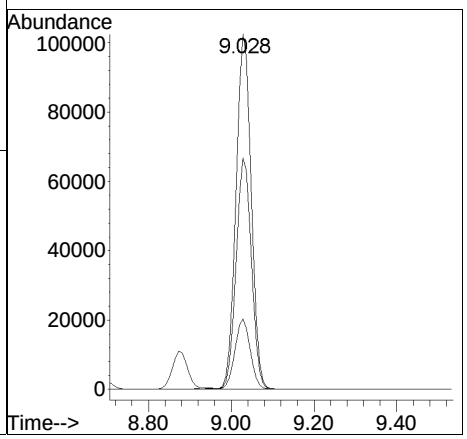


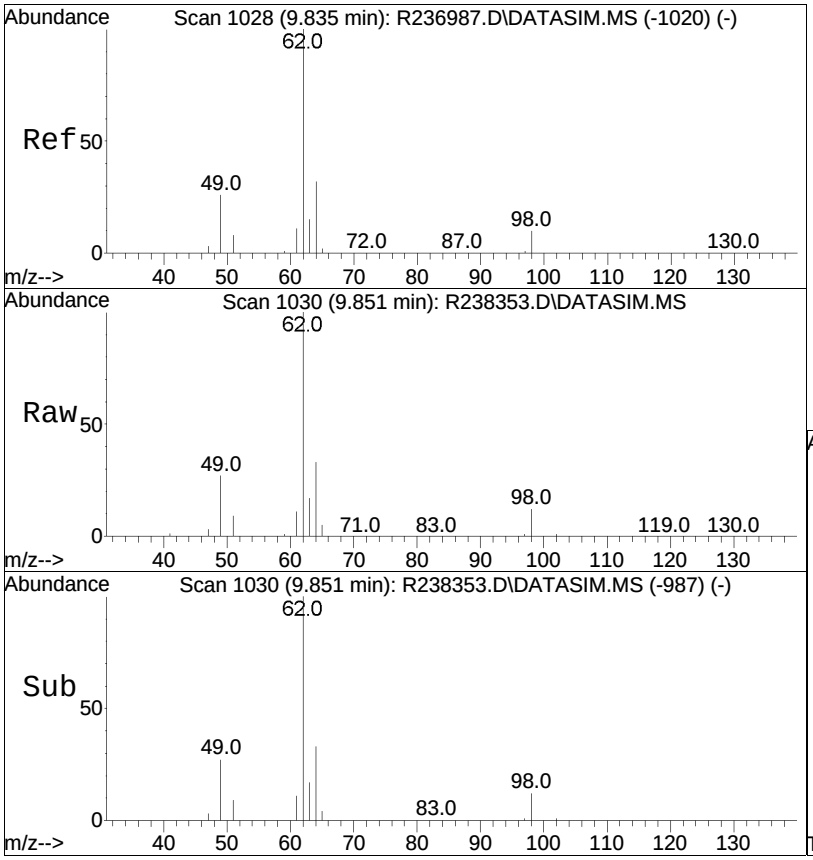


#30
chloroform
Concen: 4.38 ppbV
RT: 9.028 min Scan# 929
Delta R.T. 0.008 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 83 Resp: 261967

Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.8	79.2
47	19.8	16.7	25.1

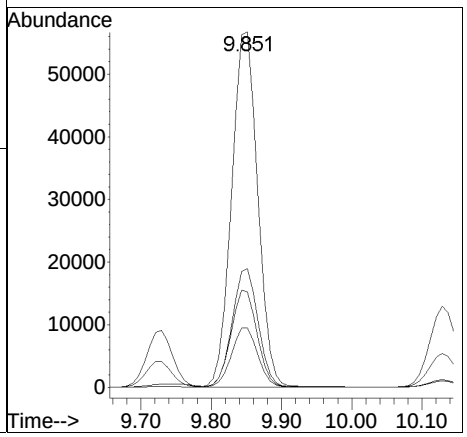


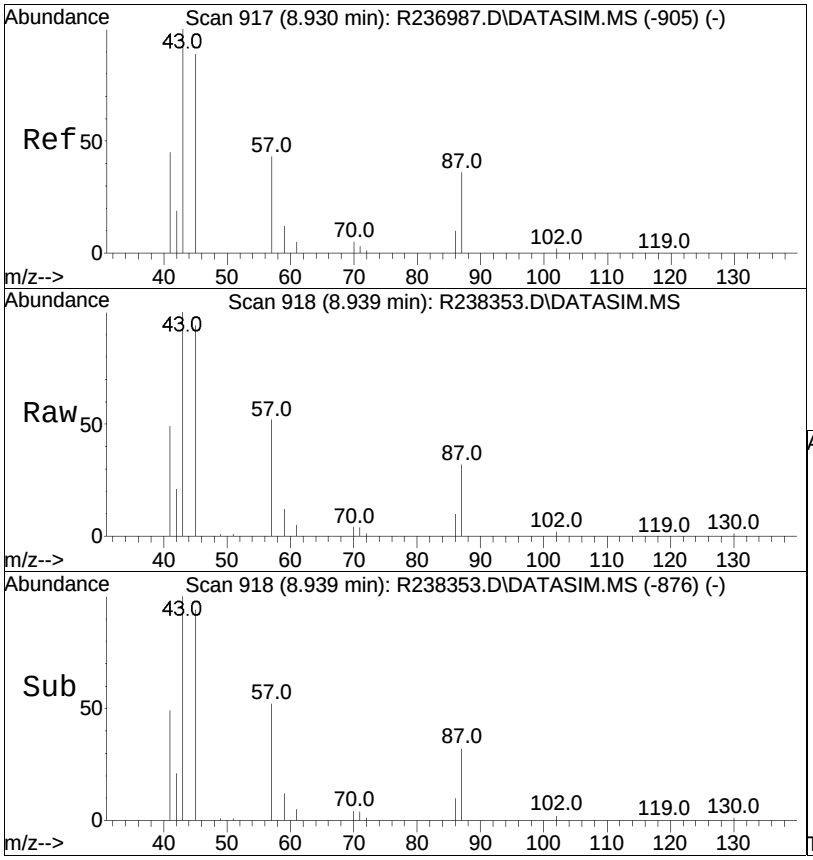


#32
1,2-dichloroethane
Concen: 4.15 ppbV
RT: 9.851 min Scan# 1030
Delta R.T. 0.017 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 62 Resp: 145927

Ion	Ratio	Lower	Upper
62	100		
64	33.4	26.2	39.2
49	26.9	20.6	31.0
63	16.8	12.3	18.5

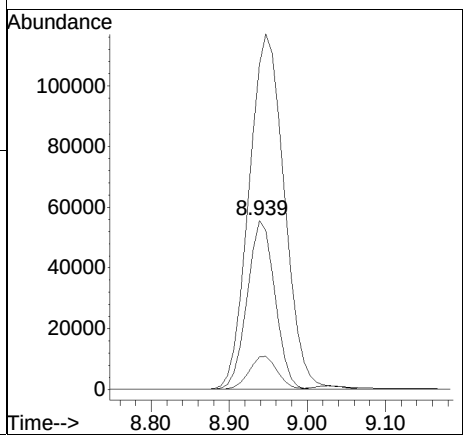


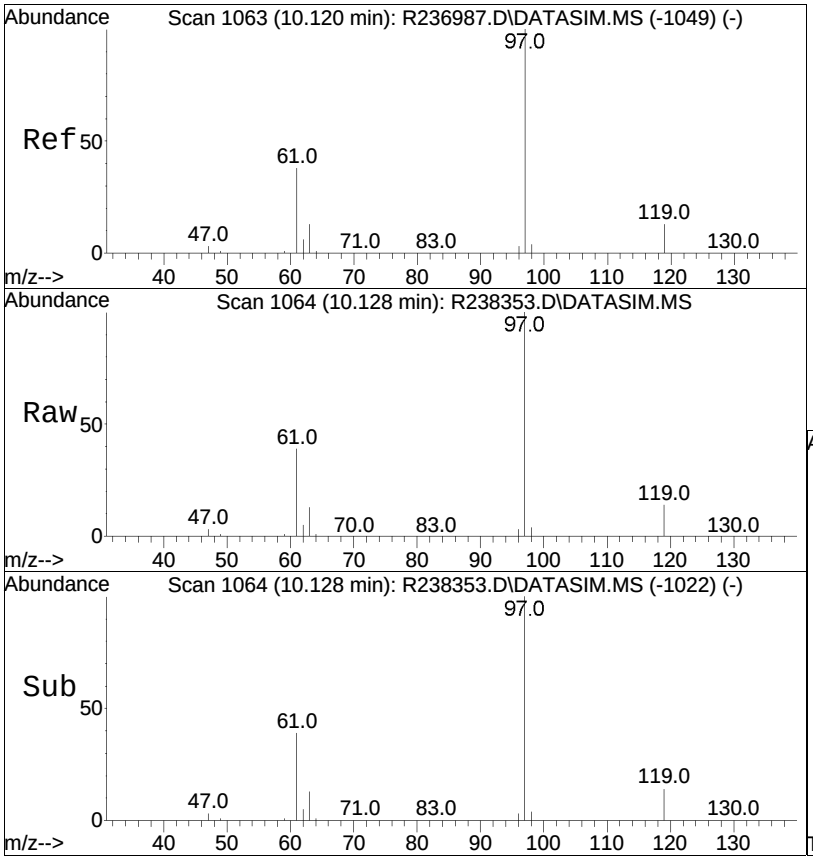


#34
hexane
Concen: 5.87 ppbV
RT: 8.939 min Scan# 918
Delta R.T. 0.008 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 57 Resp: 137380

Ion	Ratio	Lower	Upper
57	100		
43	192.7	186.2	279.4
86	19.3	17.8	26.8

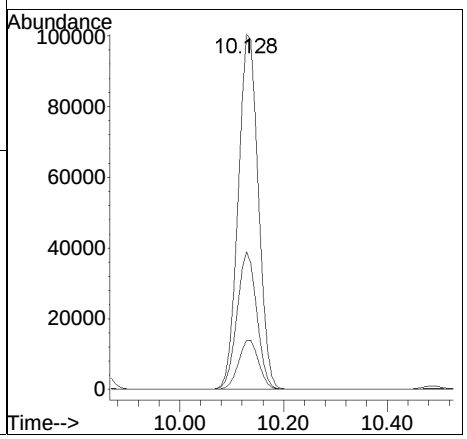


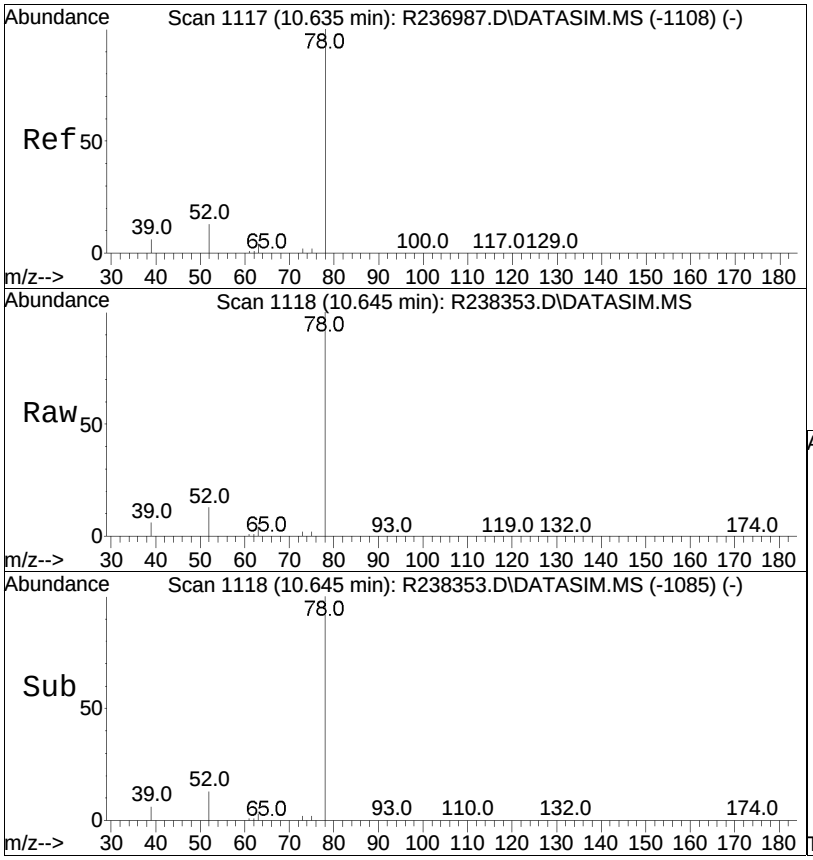


#36
1,1,1-trichloroethane
Concen: 4.97 ppbV
RT: 10.128 min Scan# 1064
Delta R.T. 0.008 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 97 Resp: 304507

Ion	Ratio	Lower	Upper
97	100		
61	38.8	30.6	45.8
119	13.8	10.6	16.0

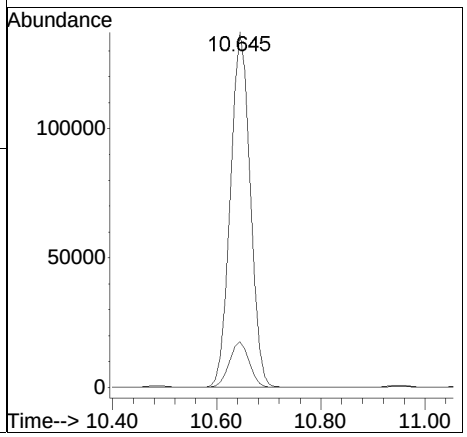


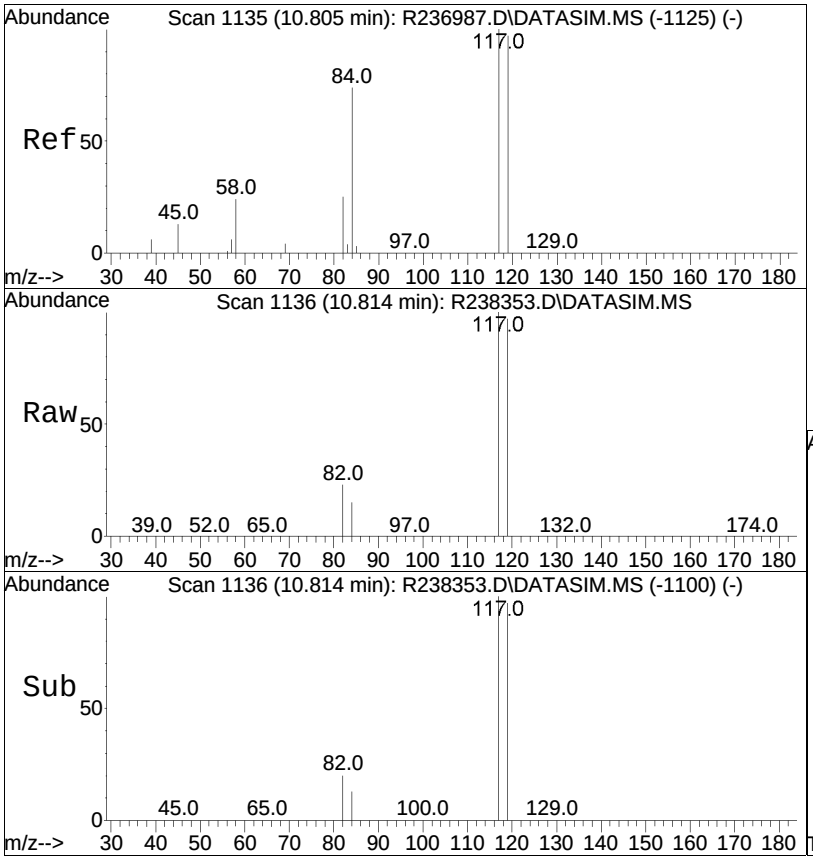


#37
benzene
Concen: 5.30 ppbV
RT: 10.645 min Scan# 1118
Delta R.T. 0.010 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 78 Resp: 362949

Ion	Ratio	Lower	Upper
78	100		
52	12.9	10.2	15.2

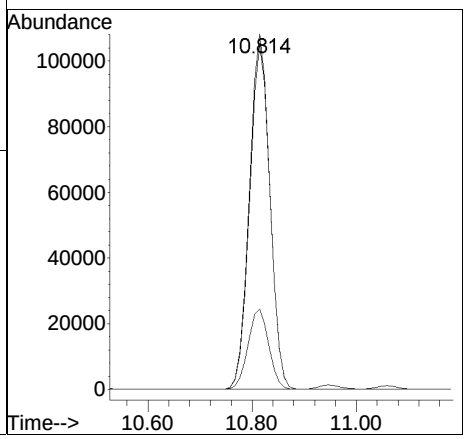


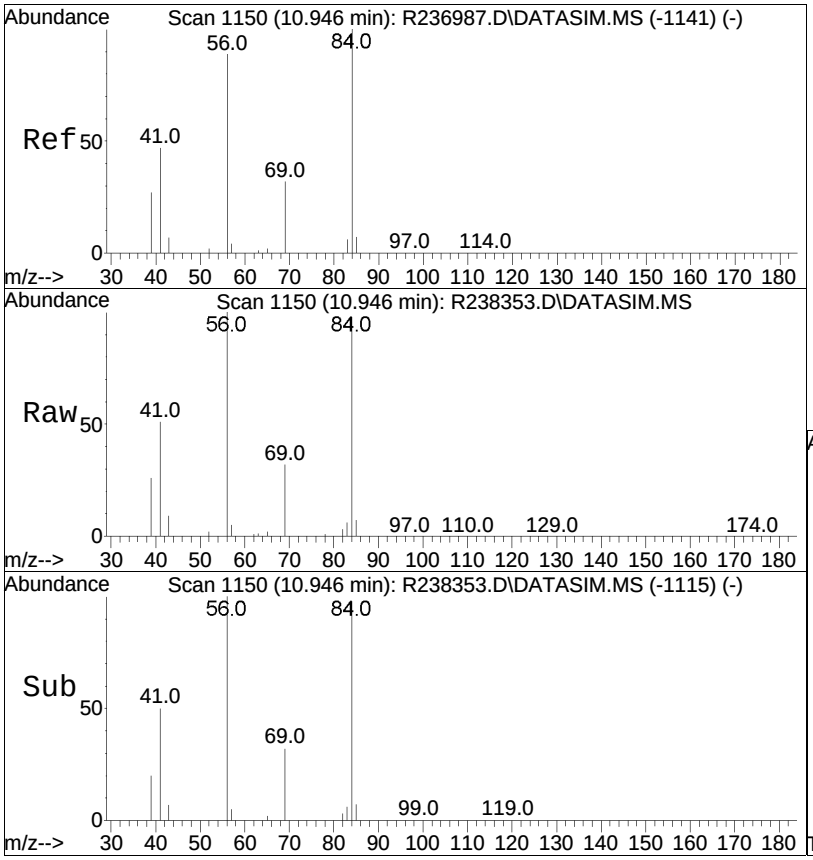


#38
carbon tetrachloride
Concen: 4.55 ppbV
RT: 10.814 min Scan# 1136
Delta R.T. 0.010 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion:117 Resp: 294036

Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.4	116.0
82	22.6	20.3	30.5

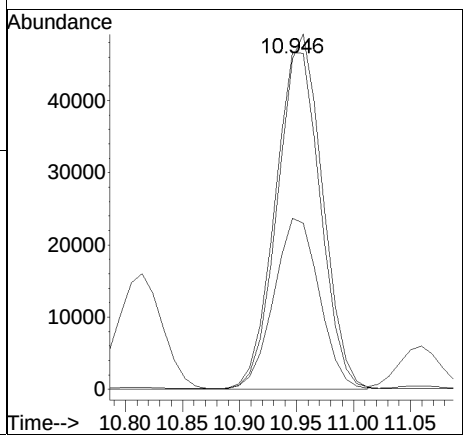


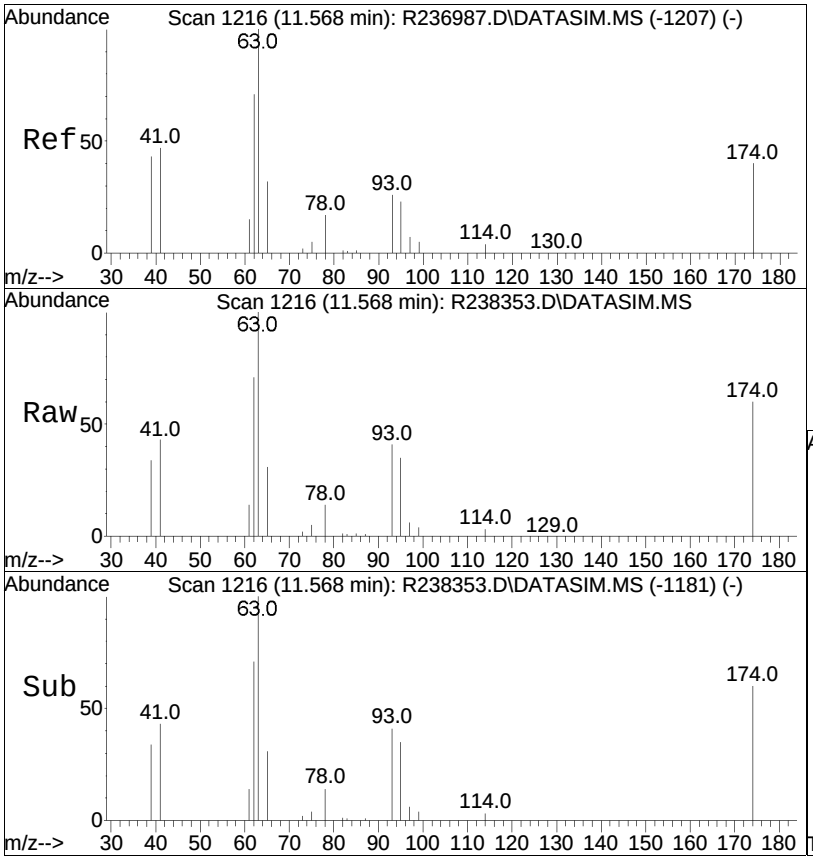


#39
cyclohexane
Concen: 5.47 ppbV
RT: 10.946 min Scan# 1150
Delta R.T. 0.000 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 56 Resp: 129528

Ion	Ratio	Lower	Upper
56	100		
84	98.2	91.0	136.4
41	50.8	42.9	64.3

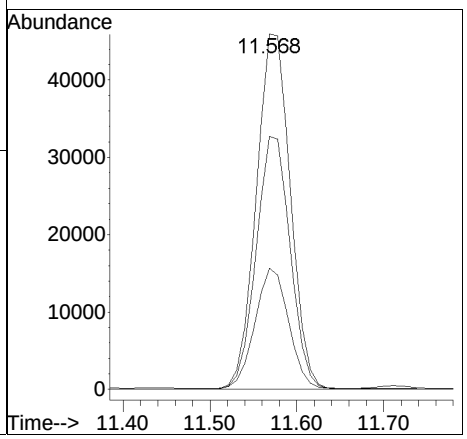


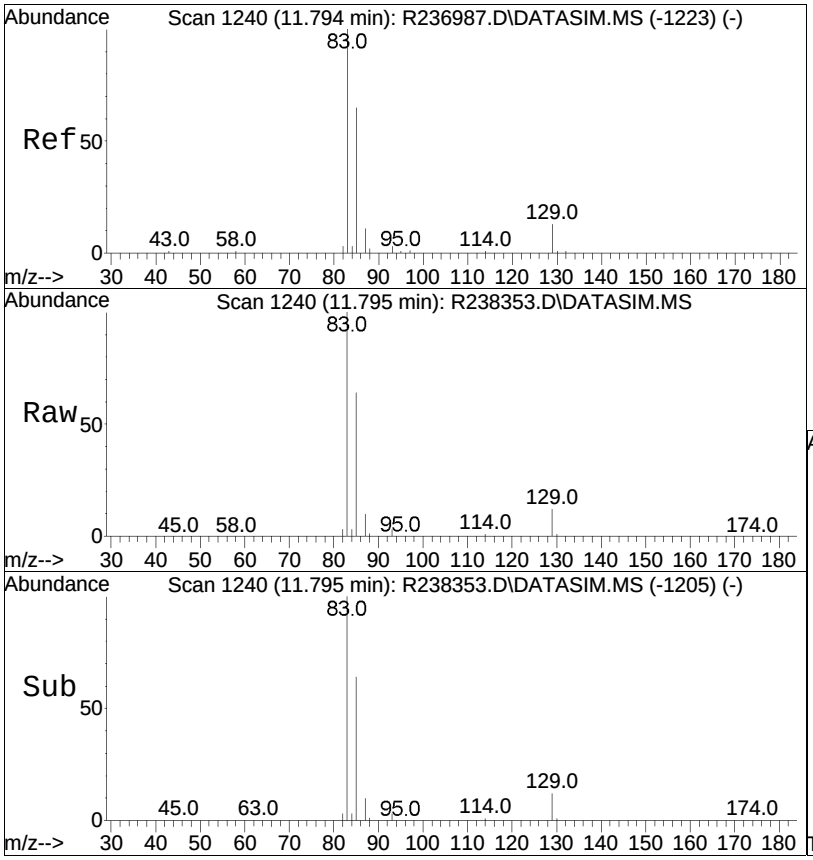


#41
1,2-dichloropropane
Concen: 5.63 ppbV
RT: 11.568 min Scan# 1216
Delta R.T. 0.000 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 63 Resp: 125098

Ion	Ratio	Lower	Upper
63	100		
62	71.2	56.6	85.0
39	34.1	34.6	51.8#

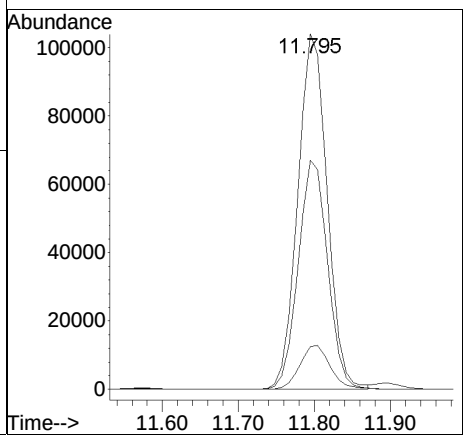


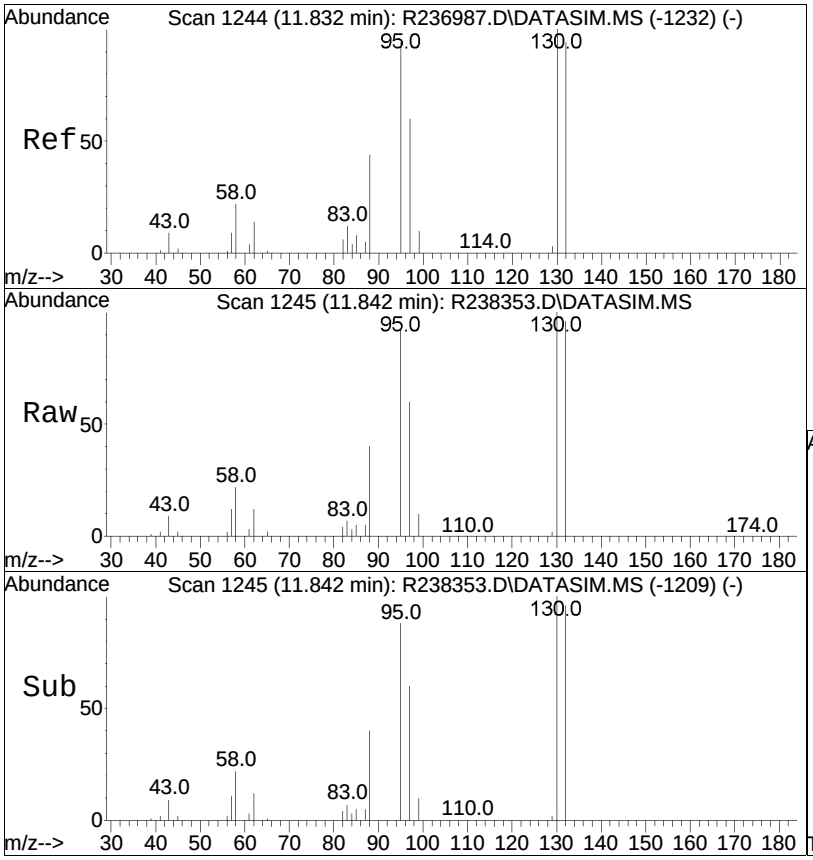


#42
bromodichloromethane
Concen: 5.31 ppbV
RT: 11.795 min Scan# 1240
Delta R.T. 0.000 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 83 Resp: 278492

Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.3	78.5
129	12.0	10.6	15.8

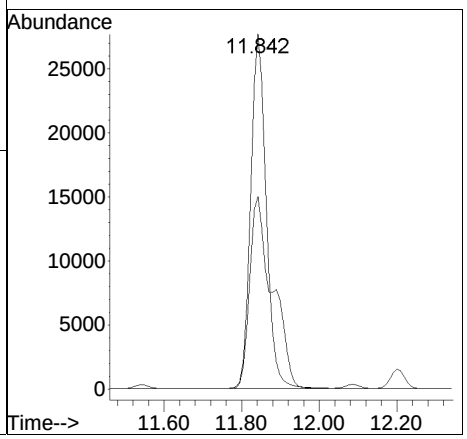


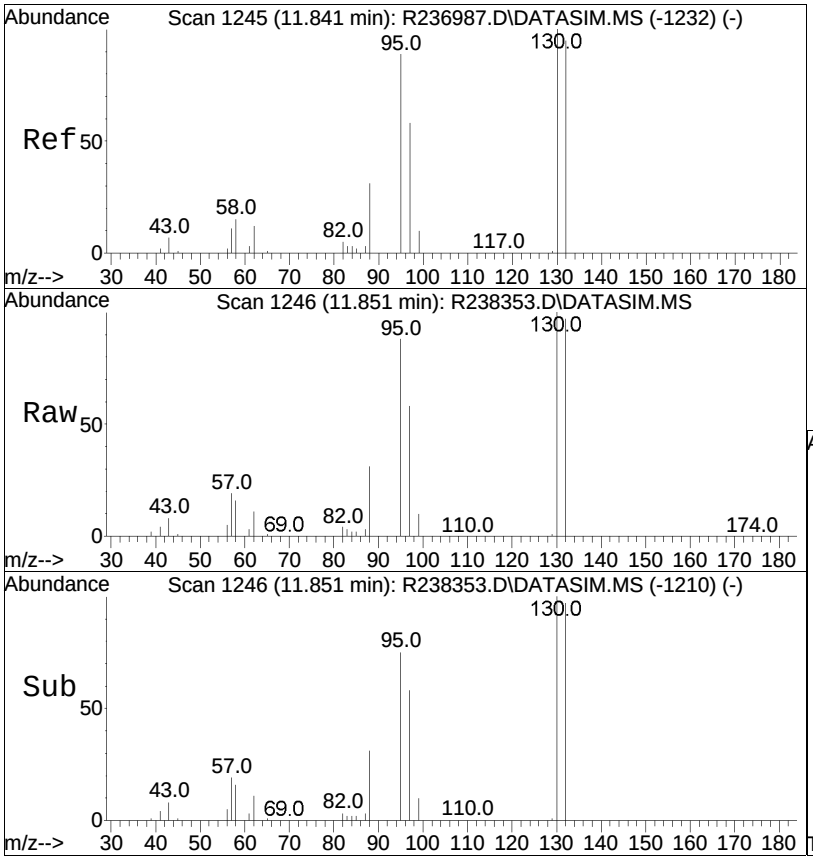


#43
1,4-dioxane
Concen: 5.08 ppbV
RT: 11.842 min Scan# 1245
Delta R.T. 0.010 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 88 Resp: 77066

Ion	Ratio	Lower	Upper
88	100		
58	54.3	40.2	60.2

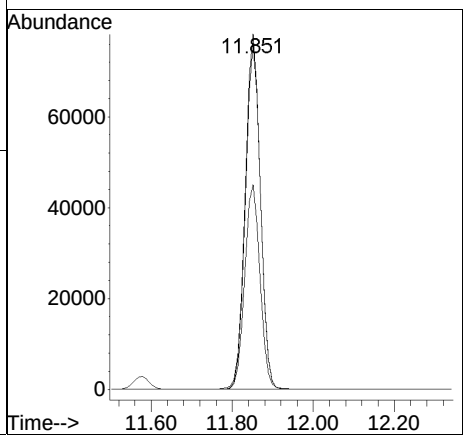


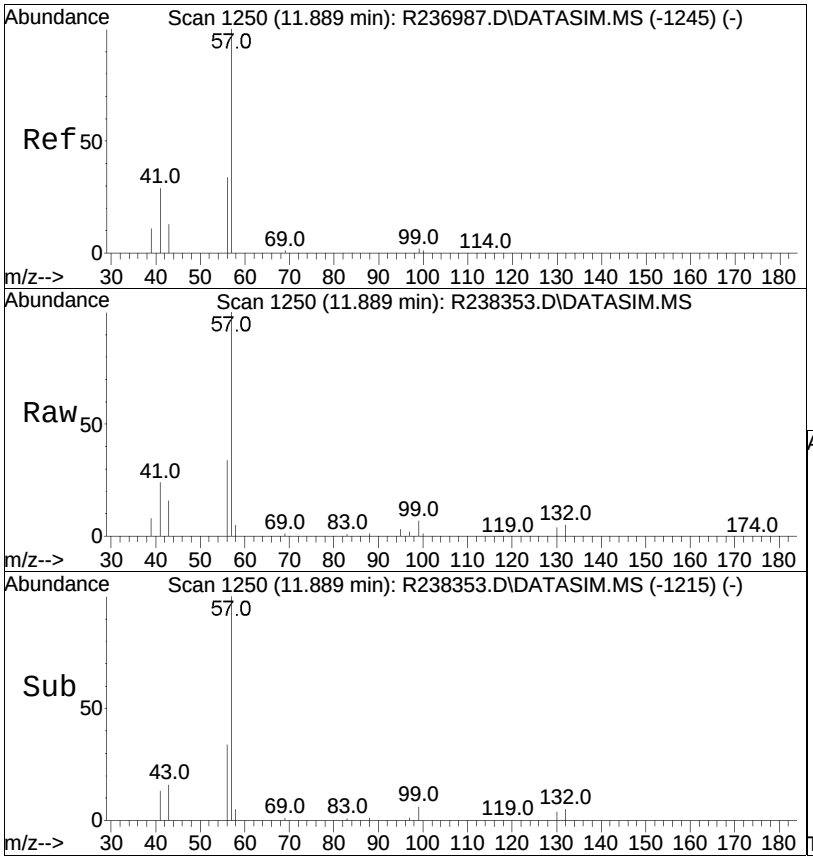


#44
trichloroethene
Concen: 4.93 ppbV
RT: 11.851 min Scan# 1246
Delta R.T. 0.010 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion:130 Resp: 203242

Ion	Ratio	Lower	Upper
130	100		
132	97.1	76.4	114.6
97	57.7	46.3	69.5

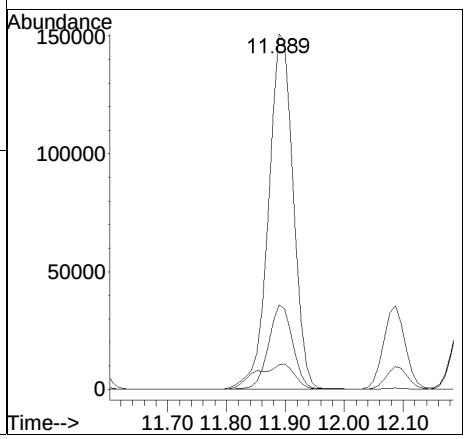


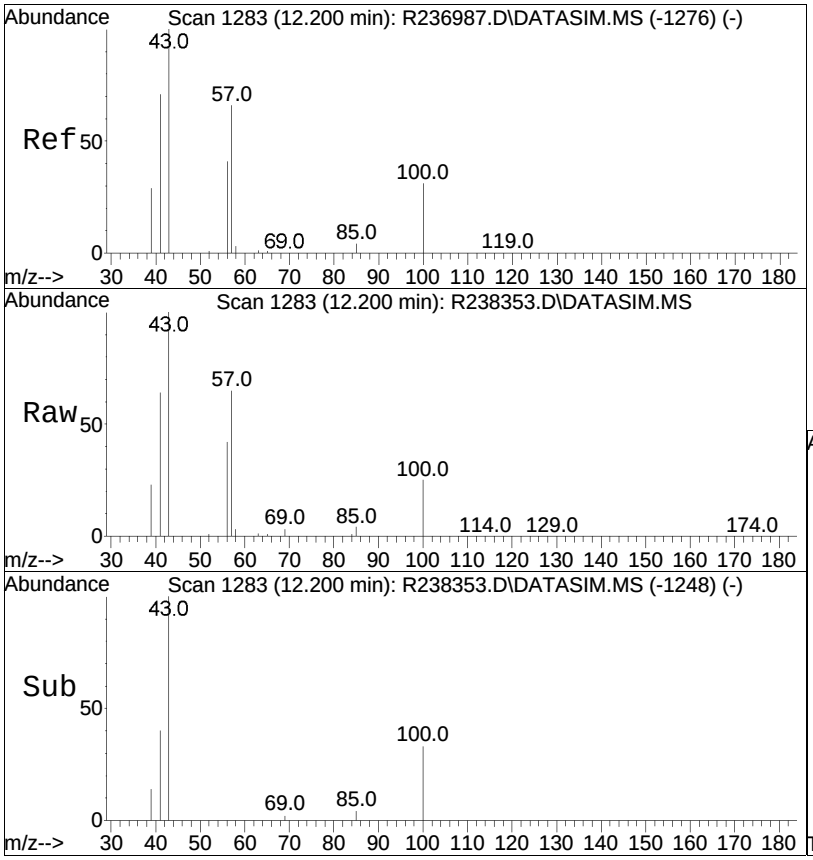


#45
2,2,4-trimethylpentane
Concen: 6.04 ppbV
RT: 11.889 min Scan# 1250
Delta R.T. 0.000 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 57 Resp: 439987

Ion	Ratio	Lower	Upper
57	100		
99	6.9	6.7	10.1
41	23.8	22.7	34.1

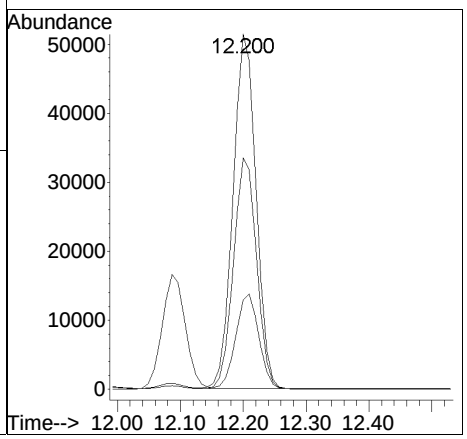


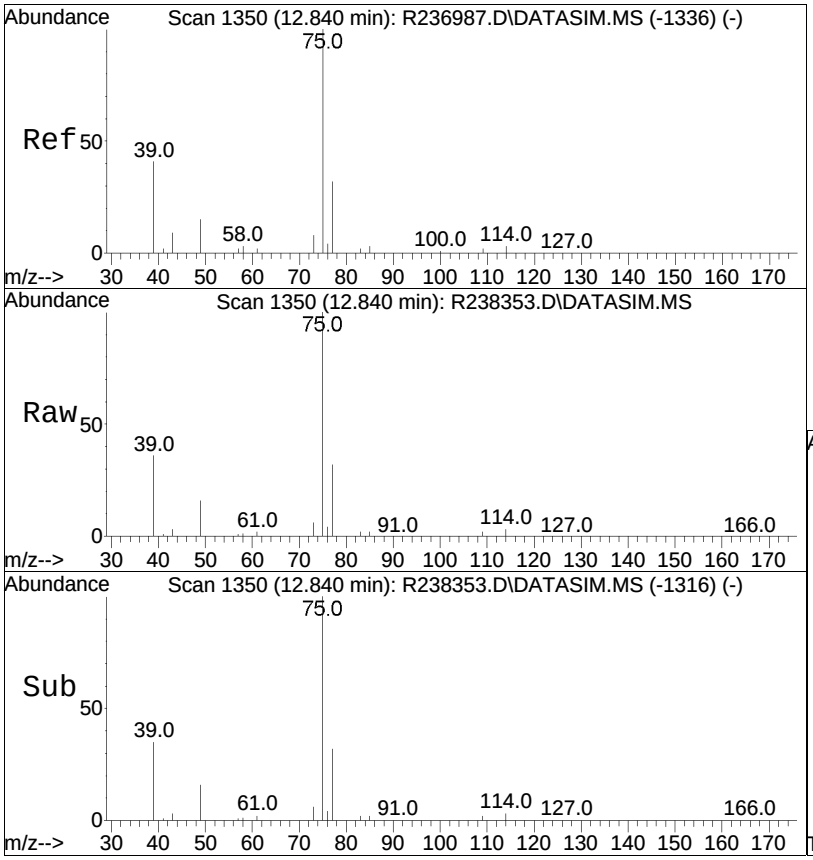


#46
heptane
Concen: 5.93 ppbV
RT: 12.200 min Scan# 1283
Delta R.T. 0.000 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 43 Resp: 130746

Ion	Ratio	Lower	Upper
43	100		
57	65.1	52.5	78.7
100	25.2	26.0	39.0#

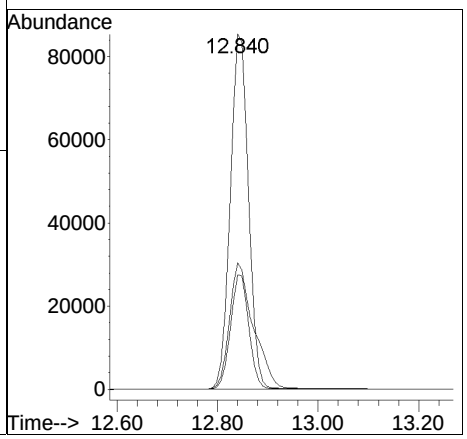


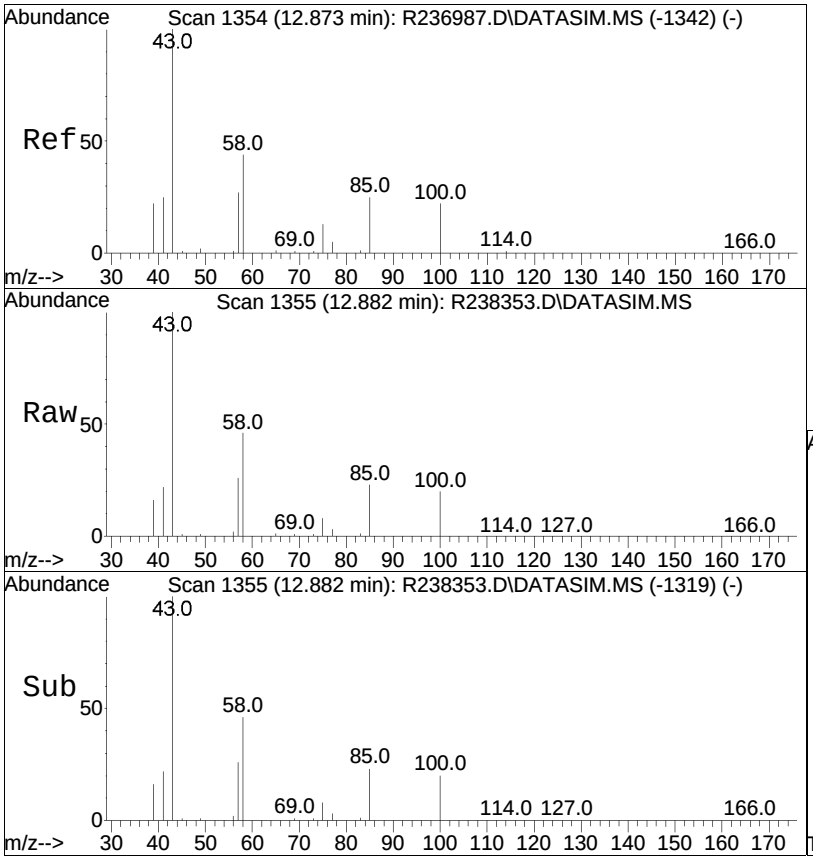


#47
cis-1,3-dichloropropene
Concen: 5.87 ppbV
RT: 12.840 min Scan# 1350
Delta R.T. 0.000 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 75 Resp: 214865

Ion	Ratio	Lower	Upper
75	100		
39	35.6	32.8	49.2
77	32.2	25.9	38.9

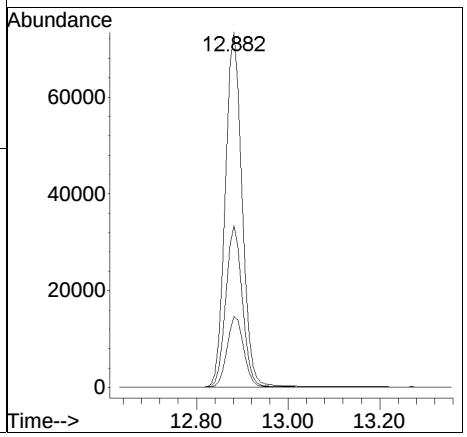


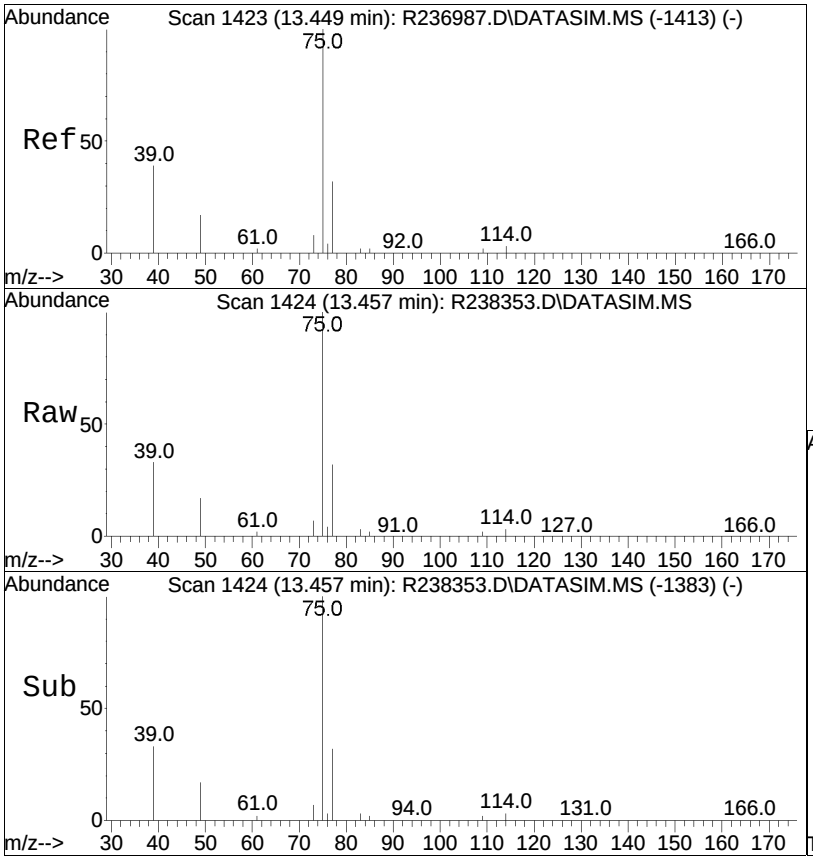


#48
4-methyl-2-pentanone
Concen: 5.49 ppbV
RT: 12.882 min Scan# 1355
Delta R.T. 0.009 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 43 Resp: 187271

Ion	Ratio	Lower	Upper
43	100		
58	45.6	35.0	52.6
100	19.9	17.9	26.9

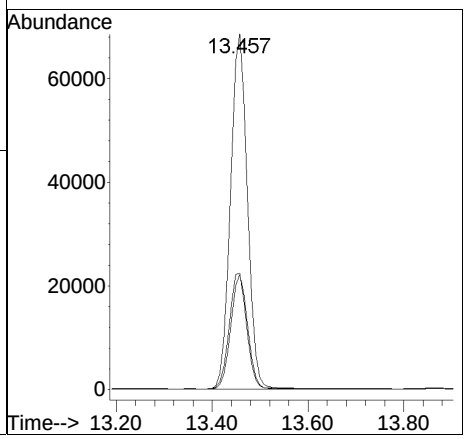


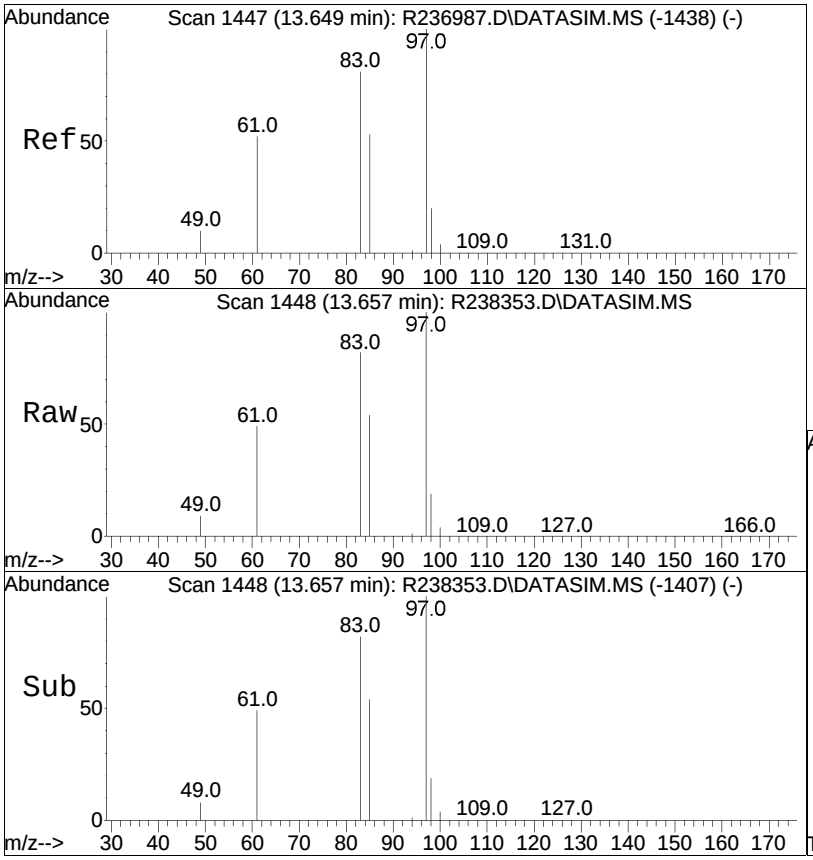


#49
trans-1,3-dichloropropene
Concen: 5.84 ppbV
RT: 13.457 min Scan# 1424
Delta R.T. 0.009 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 75 Resp: 168197

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.7	38.5
39	32.7	31.0	46.4

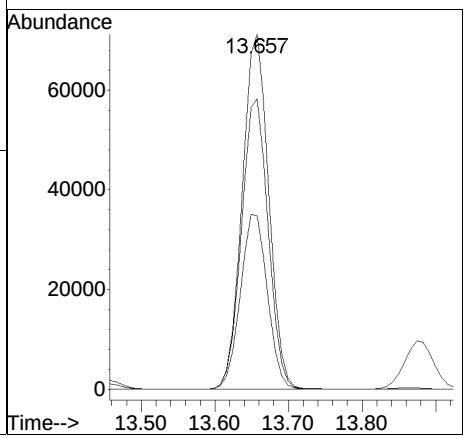


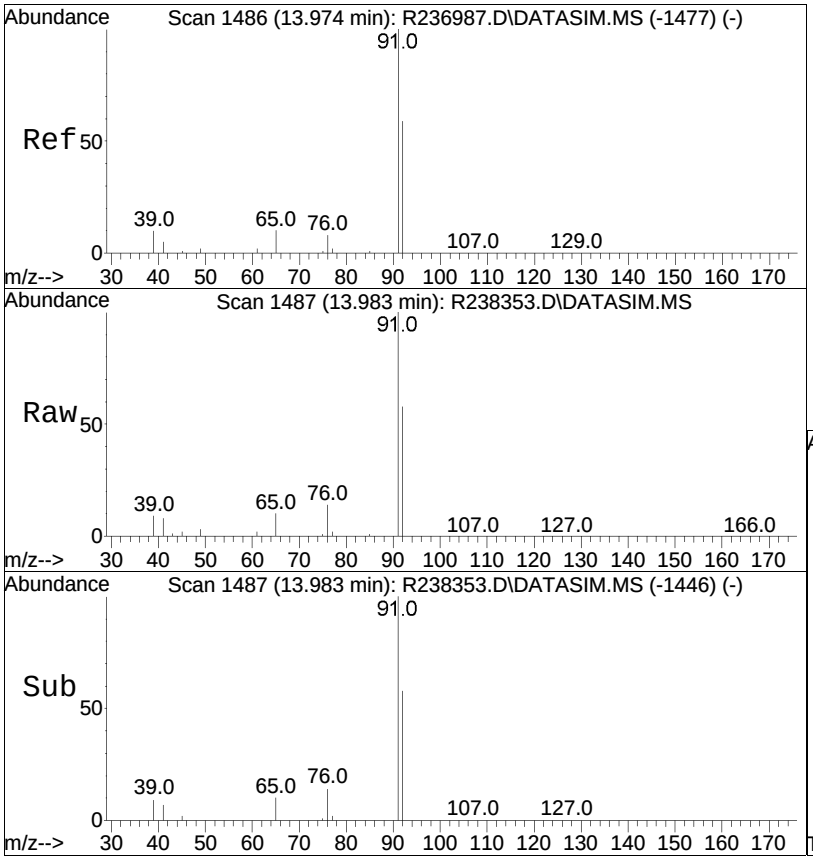


#50
1,1,2-trichloroethane
Concen: 5.16 ppbV
RT: 13.657 min Scan# 1448
Delta R.T. 0.009 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 97 Resp: 178074

Ion	Ratio	Lower	Upper
97	100		
83	81.8	64.6	96.8
61	48.9	41.4	62.0

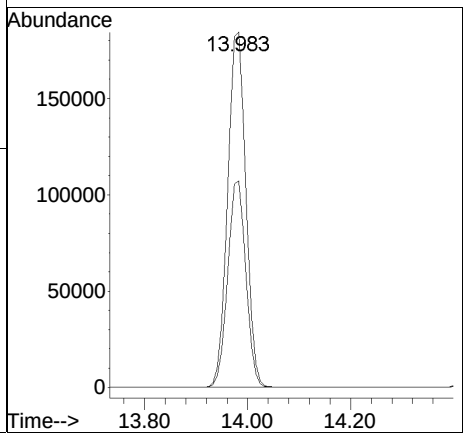


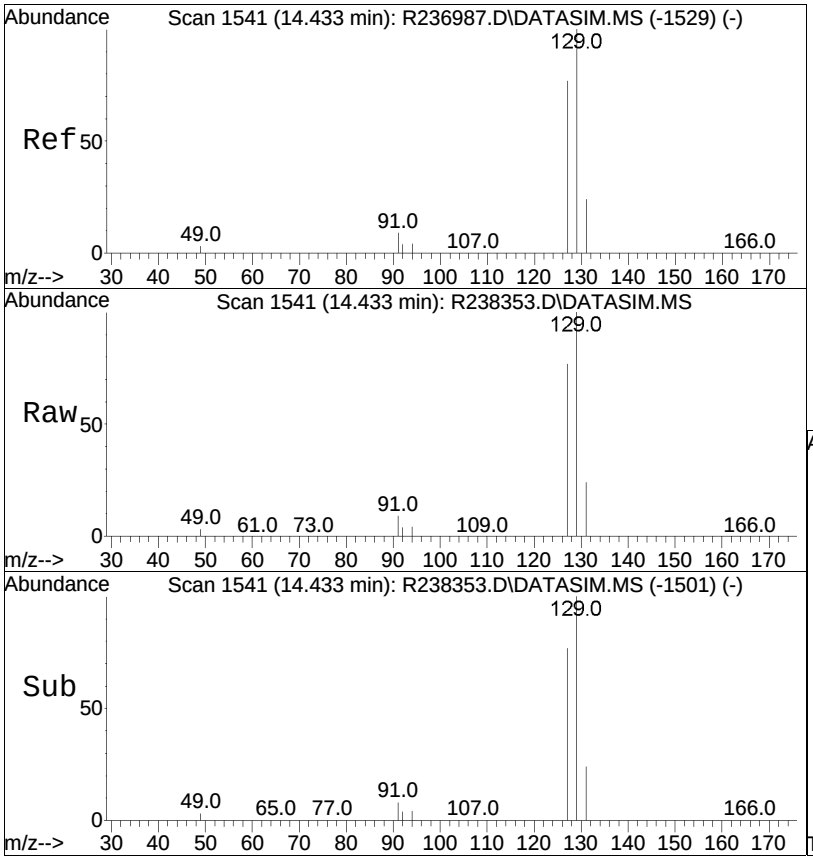


#52
toluene
Concen: 5.42 ppbV
RT: 13.983 min Scan# 1487
Delta R.T. 0.009 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 91 Resp: 453045

Ion	Ratio	Lower	Upper
91	100		
92	58.1	46.8	70.2

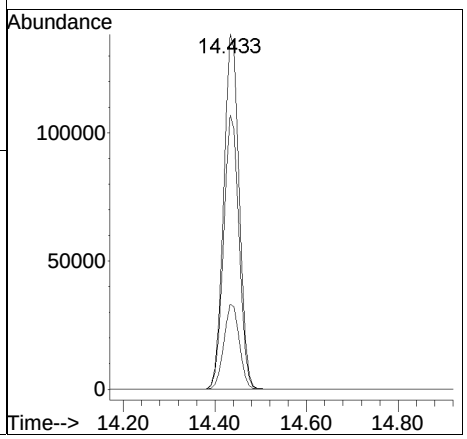


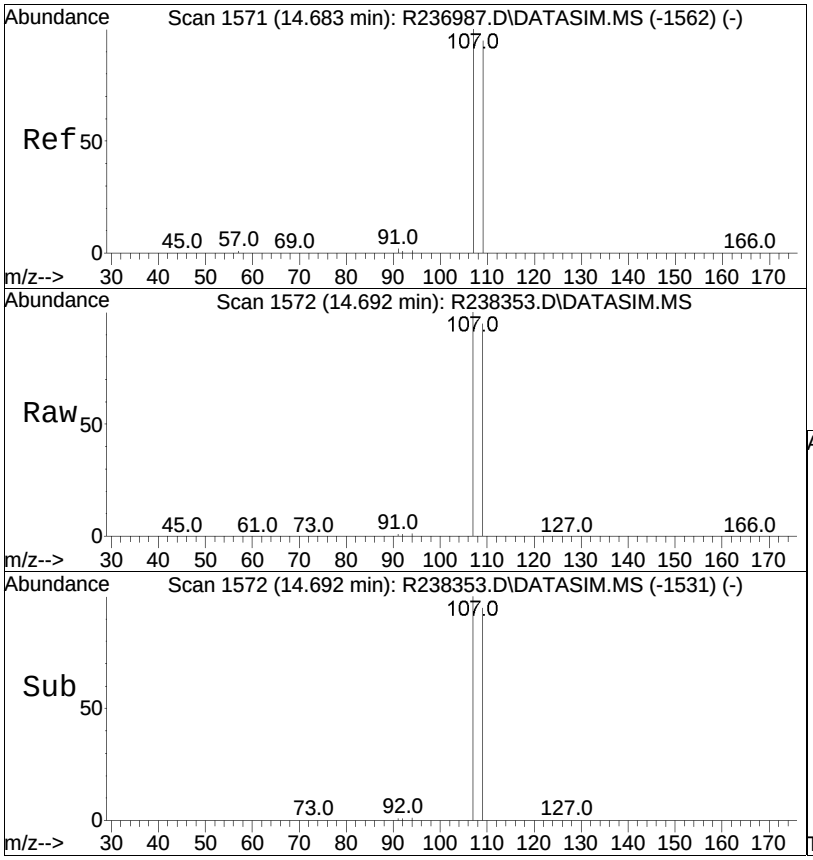


#55
dibromochloromethane
Concen: 5.47 ppbV
RT: 14.433 min Scan# 1541
Delta R.T. 0.000 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion:129 Resp: 324865

Ion	Ratio	Lower	Upper
129	100		
127	77.3	61.5	92.3
131	24.0	19.4	29.0

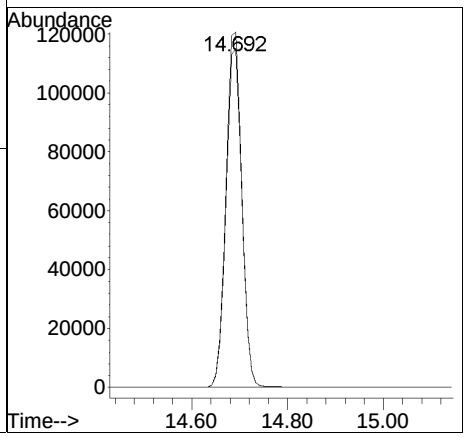


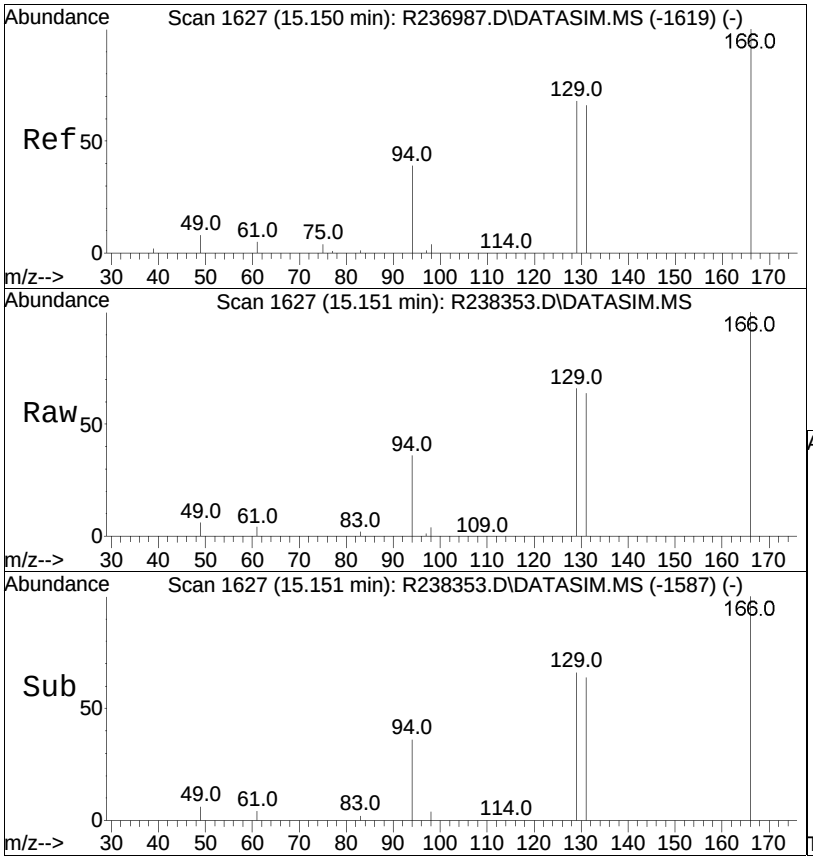


#56
1,2-dibromoethane
Concen: 5.44 ppbV
RT: 14.692 min Scan# 1572
Delta R.T. 0.009 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion:107 Resp: 279040

Ion	Ratio	Lower	Upper
107	100		
109	95.3	76.3	114.5

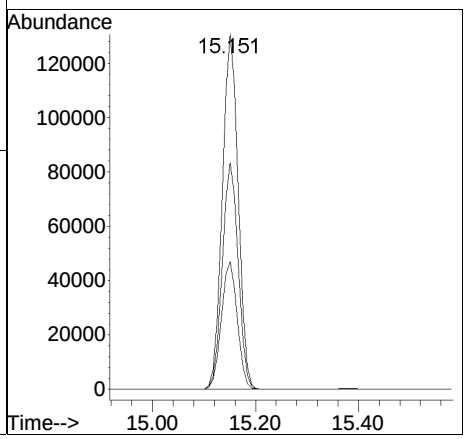


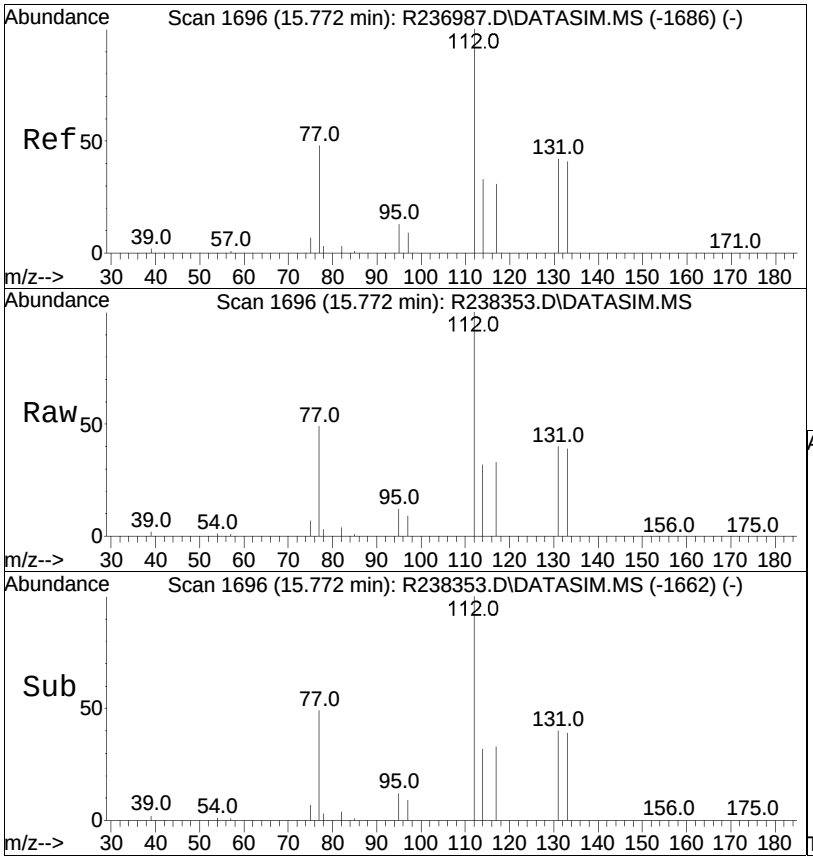


#57
tetrachloroethene
Concen: 5.13 ppbV
RT: 15.151 min Scan# 1627
Delta R.T. 0.000 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion:166 Resp: 278940

Ion	Ratio	Lower	Upper
166	100		
131	63.9	53.0	79.6
94	35.9	31.0	46.6

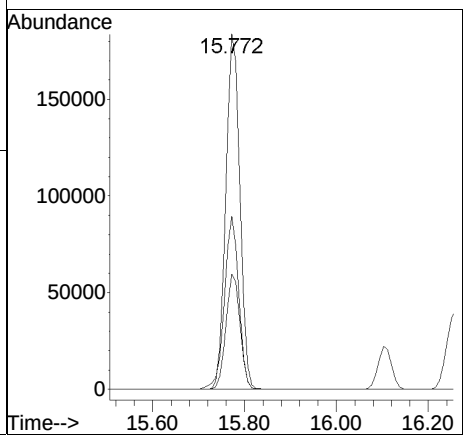


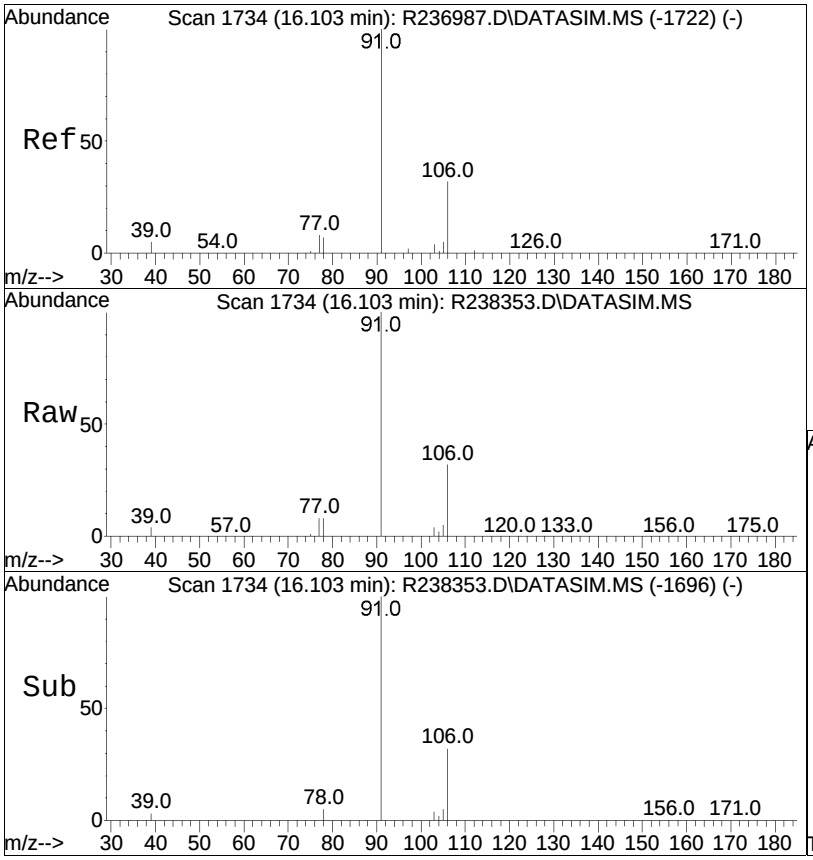


#59
chlorobenzene
Concen: 5.31 ppbV
RT: 15.772 min Scan# 1696
Delta R.T. 0.000 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion:112 Resp: 391648

Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.1	39.1
77	48.7	38.1	57.1

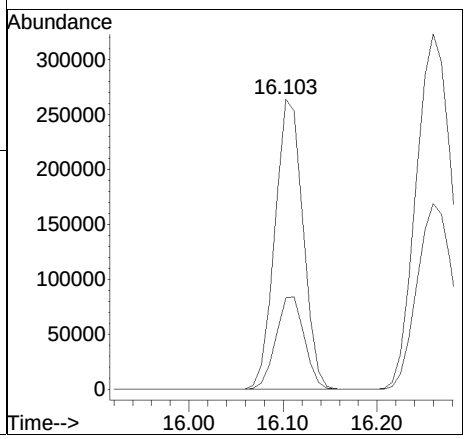


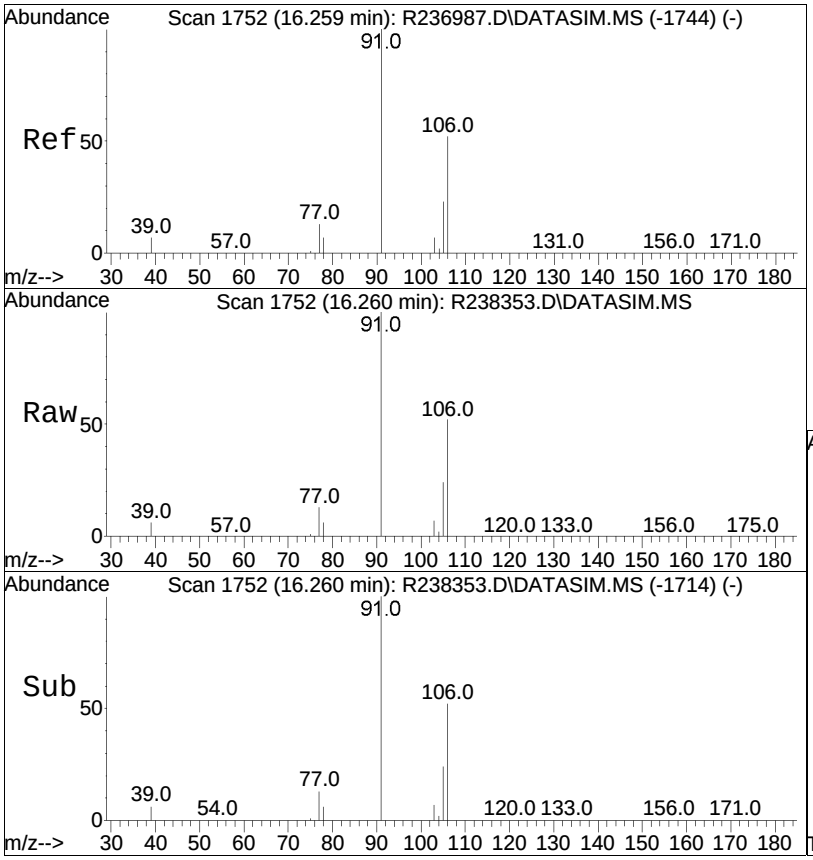


#60
ethylbenzene
Concen: 5.07 ppbV
RT: 16.103 min Scan# 1734
Delta R.T. 0.000 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 91 Resp: 547487

Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.8	38.8

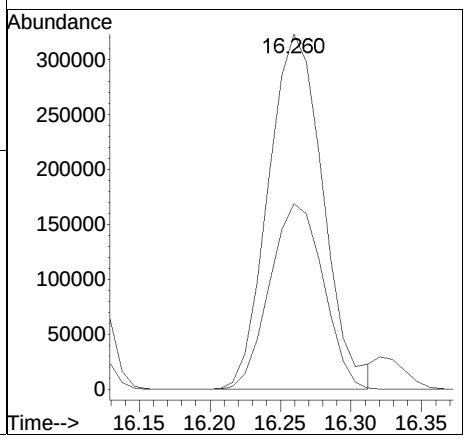


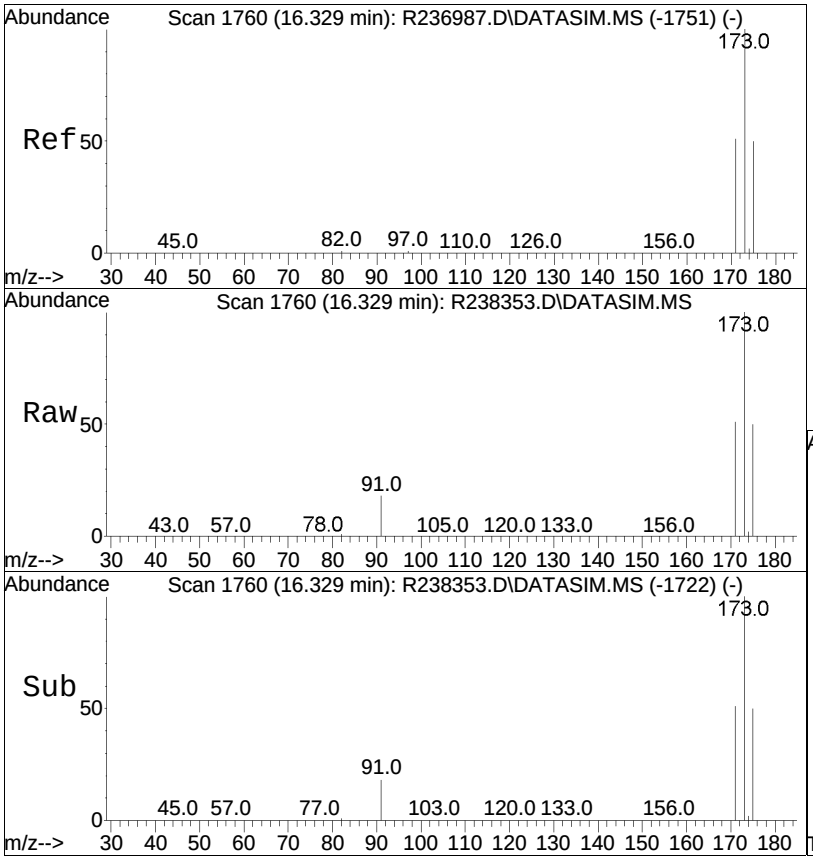


#61
m+p-xylene
Concen: 10.68 ppbV
RT: 16.260 min Scan# 1752
Delta R.T. 0.000 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 91 Resp: 869504

Ion	Ratio	Lower	Upper
91	100		
106	52.3	41.5	62.3

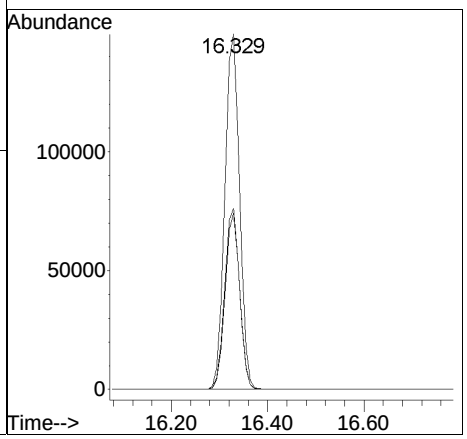


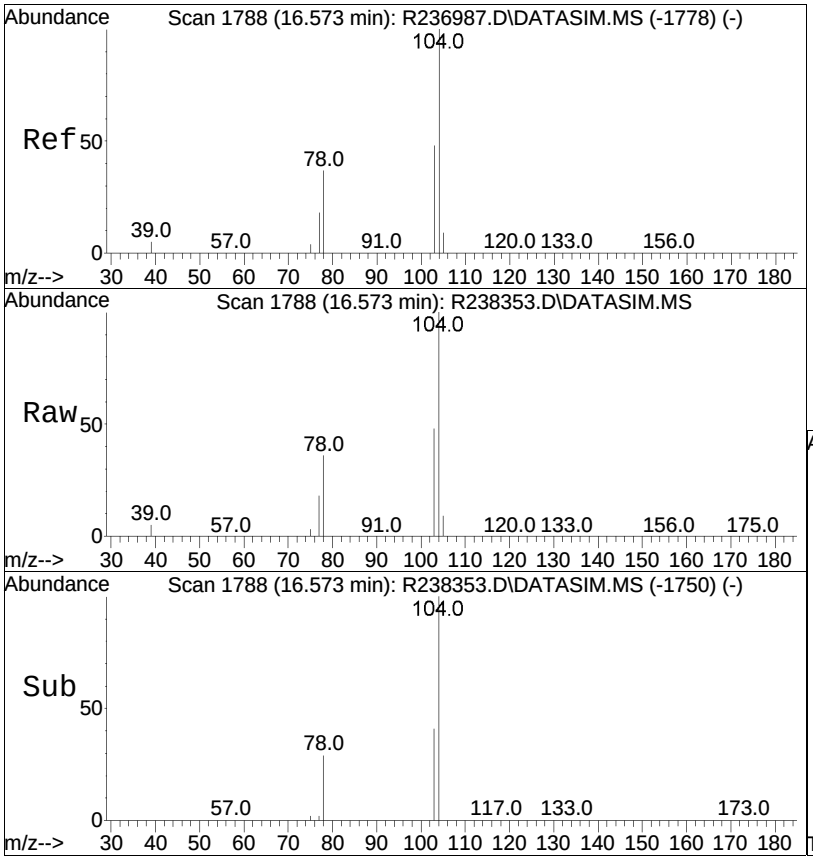


#62
bromoform
Concen: 5.71 ppbV
RT: 16.329 min Scan# 1760
Delta R.T. 0.000 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion:173 Resp: 317669

Ion	Ratio	Lower	Upper
173	100		
175	49.5	39.7	59.5
171	51.0	40.9	61.3

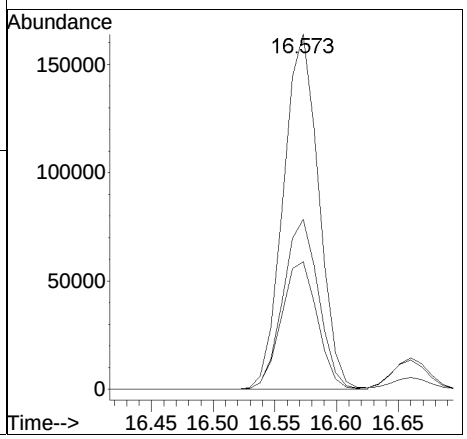


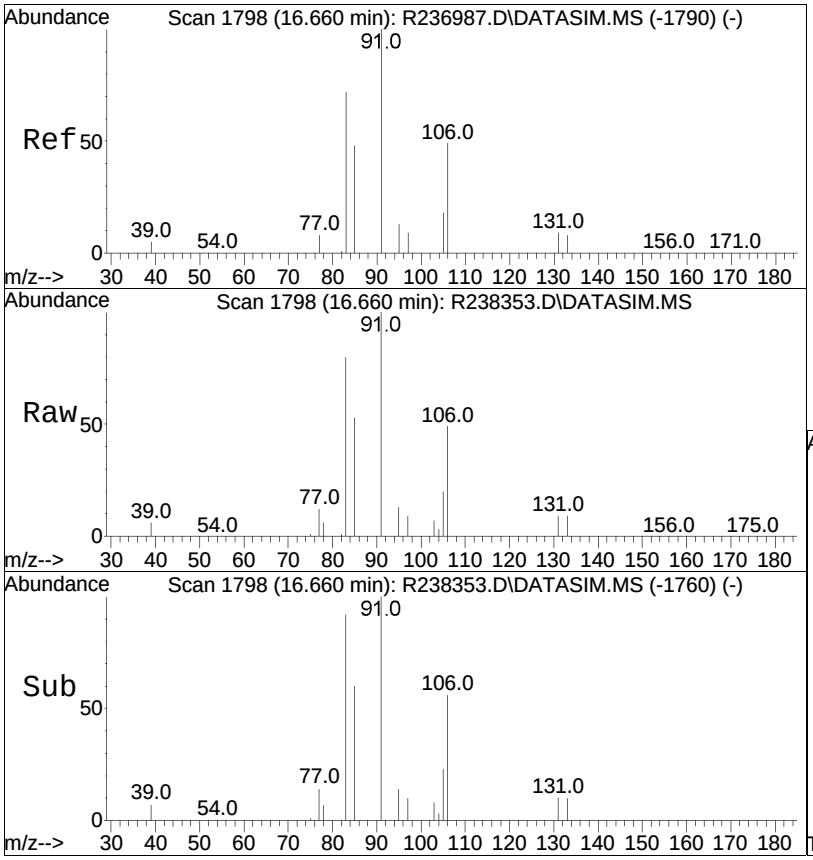


#63
styrene
Concen: 5.21 ppbV
RT: 16.573 min Scan# 1788
Delta R.T. 0.000 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion:104 Resp: 326515

Ion	Ratio	Lower	Upper
104	100		
103	47.9	38.2	57.4
78	35.9	29.8	44.8

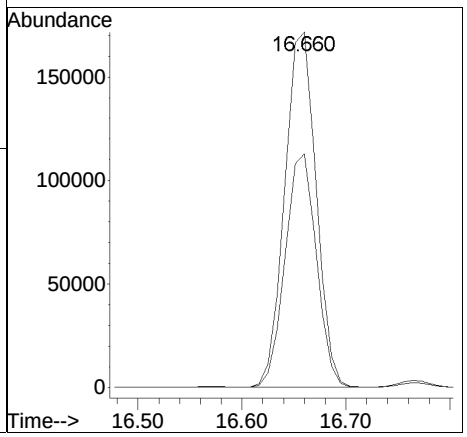


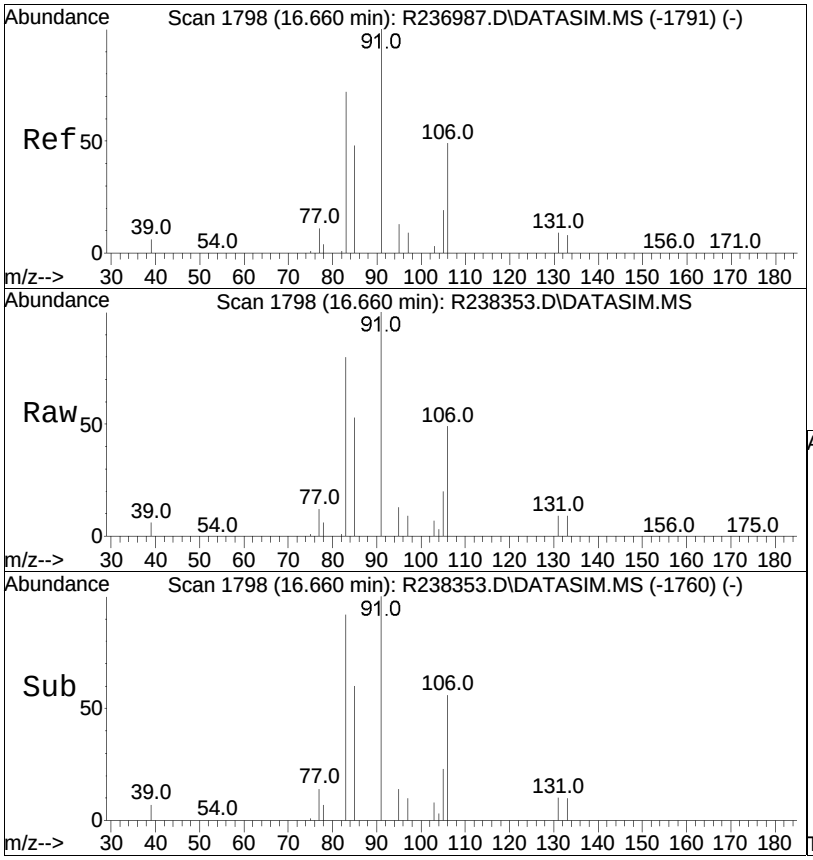


#64
1,1,2,2-tetrachloroethane
Concen: 5.91 ppbV
RT: 16.660 min Scan# 1798
Delta R.T. 0.000 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 83 Resp: 361671

Ion	Ratio	Lower	Upper
83	100		
85	65.7	53.0	79.4

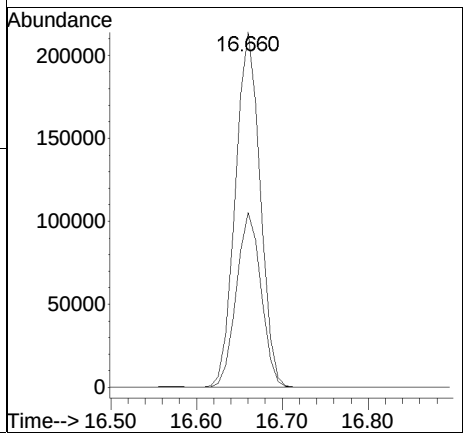


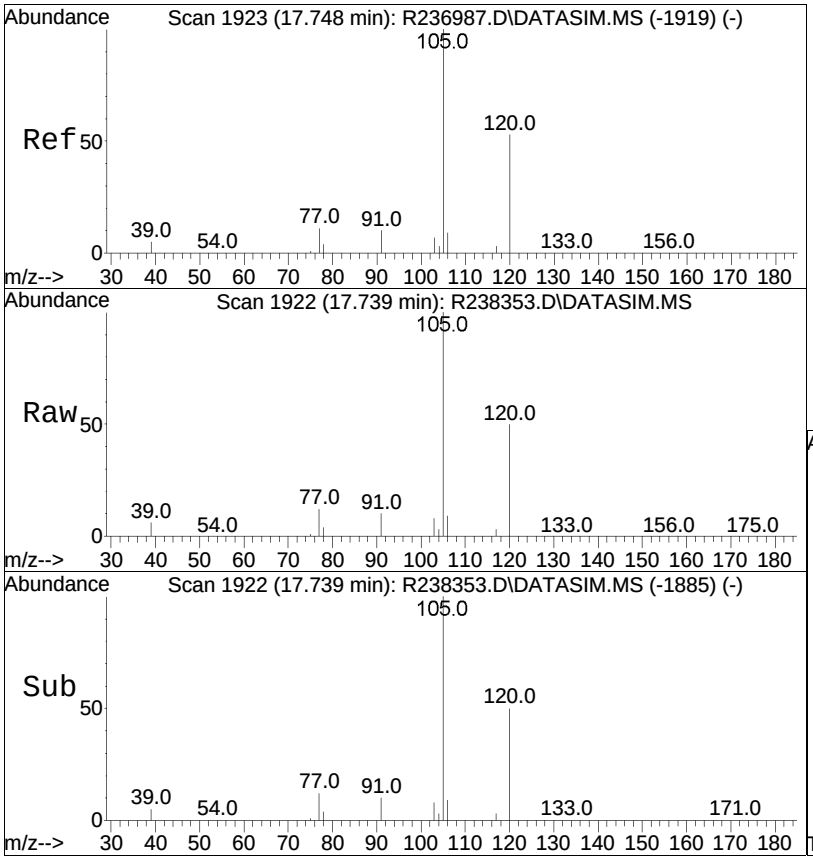


#65
o-xylene
Concen: 5.18 ppbV
RT: 16.660 min Scan# 1798
Delta R.T. 0.000 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 91 Resp: 429305

Ion	Ratio	Lower	Upper
91	100		
106	49.2	39.2	58.8

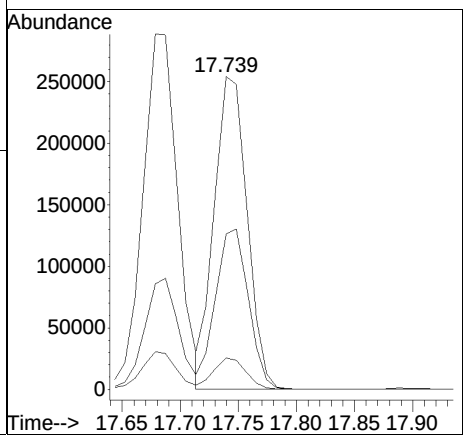


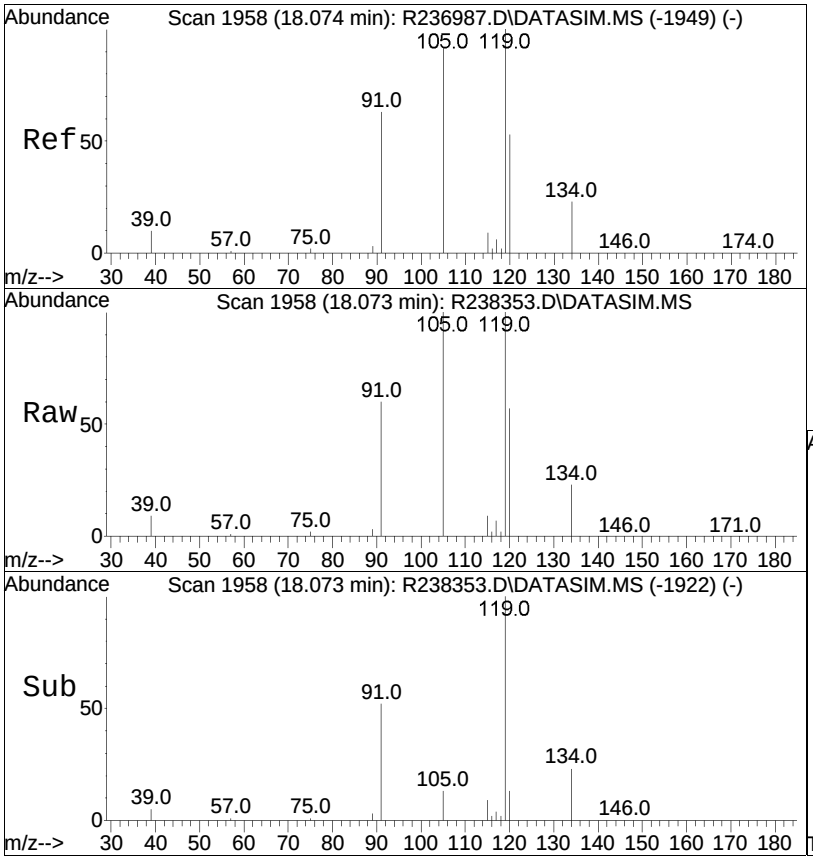


#71
1,3,5-trimethylbenzene
Concen: 5.54 ppbV
RT: 17.739 min Scan# 1922
Delta R.T. -0.008 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion:105 Resp: 501997

Ion	Ratio	Lower	Upper
105	100		
120	49.7	41.3	61.9
91	10.0	8.2	12.2

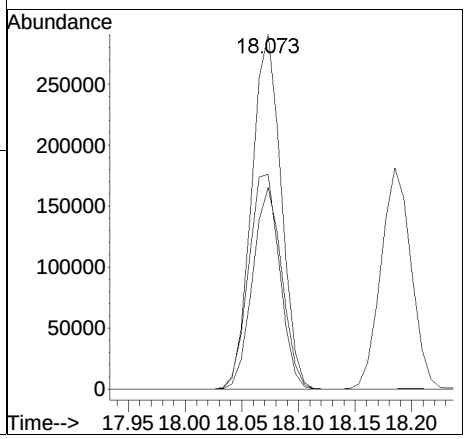


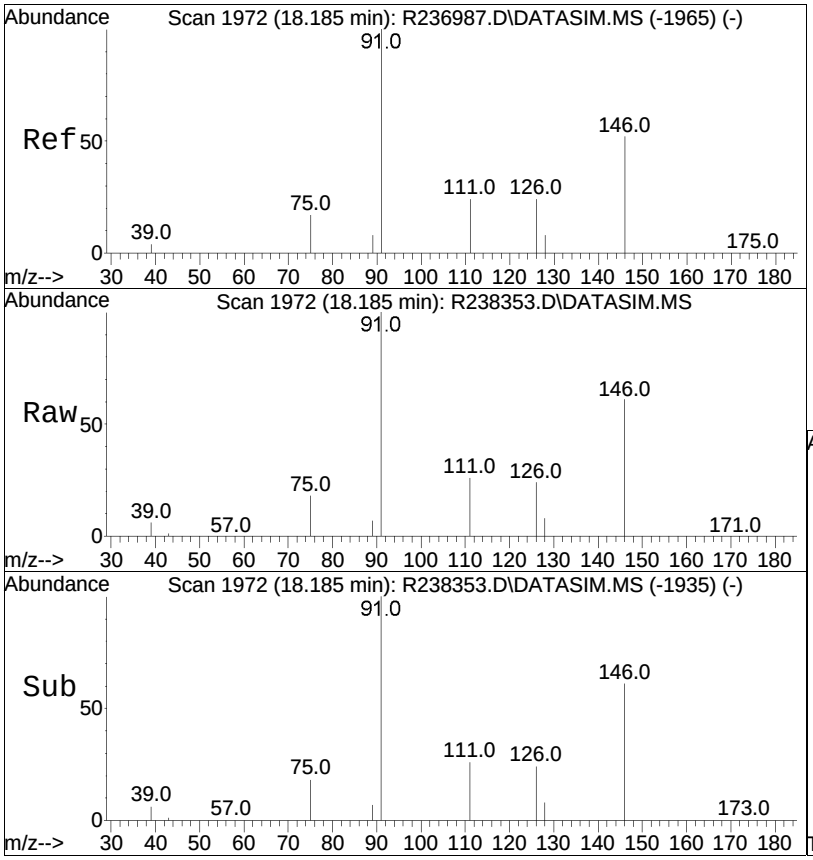


#73
1,2,4-trimethylbenzene
Concen: 5.50 ppbV
RT: 18.073 min Scan# 1958
Delta R.T. -0.000 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion:105 Resp: 528061

Ion	Ratio	Lower	Upper
105	100		
120	56.9	45.9	68.9
91	60.6	55.2	82.8

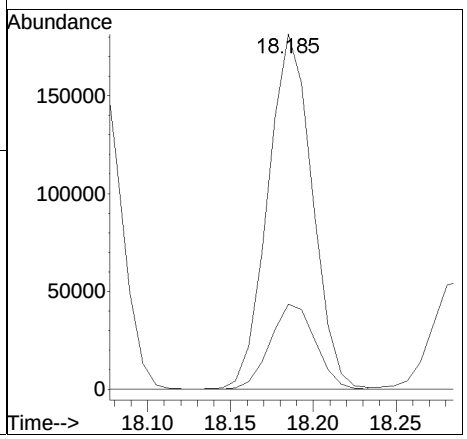


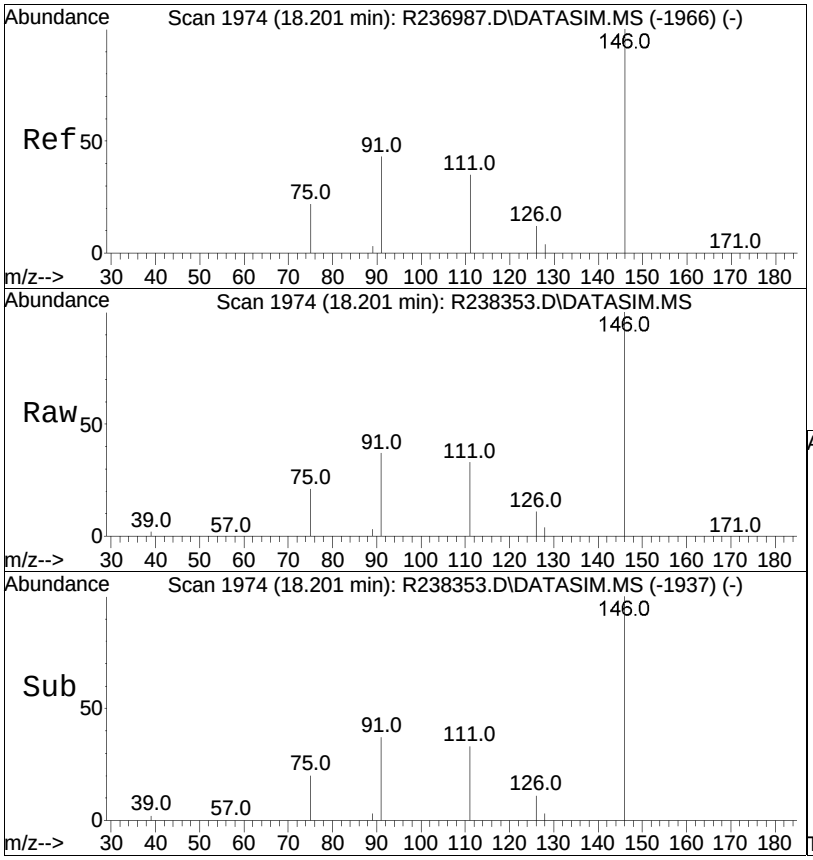


#74
Benzyl Chloride
Concen: 5.32 ppbV
RT: 18.185 min Scan# 1972
Delta R.T. -0.000 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion: 91 Resp: 337121

Ion	Ratio	Lower	Upper
91	100		
126	24.0	19.3	28.9

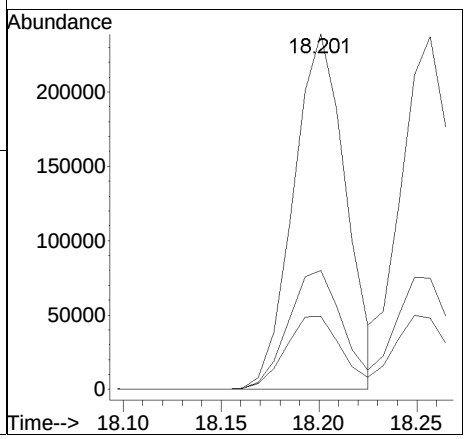


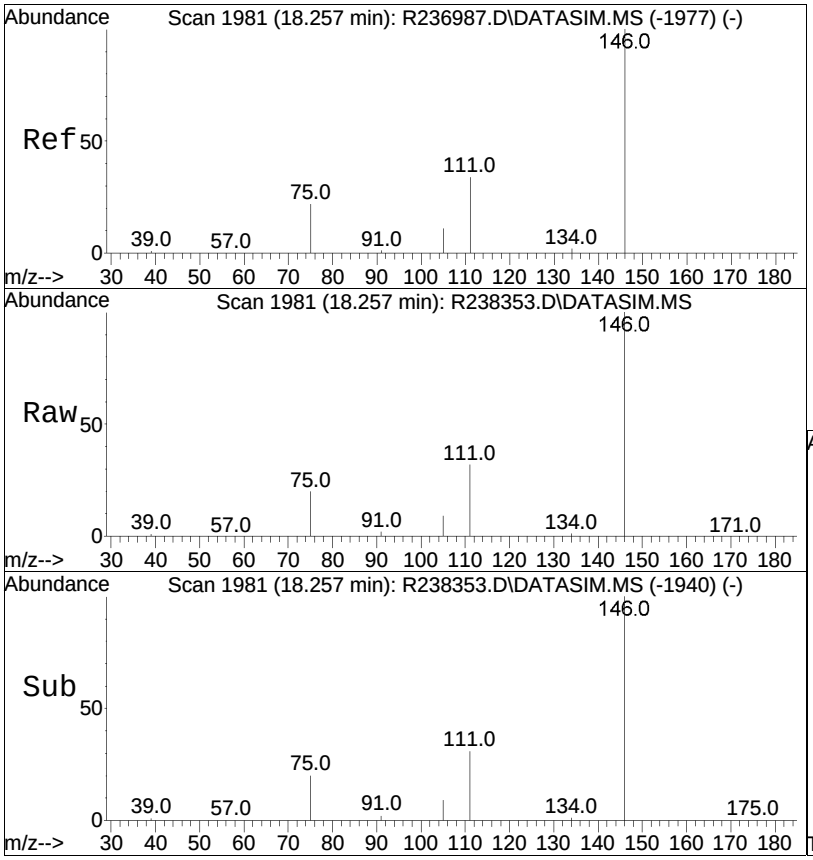


#75
1,3-dichlorobenzene
Concen: 5.61 ppbV
RT: 18.201 min Scan# 1974
Delta R.T. -0.000 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion:146 Resp: 444991

Ion	Ratio	Lower	Upper
146	100		
111	33.5	28.2	42.4
75	20.5	18.0	27.0

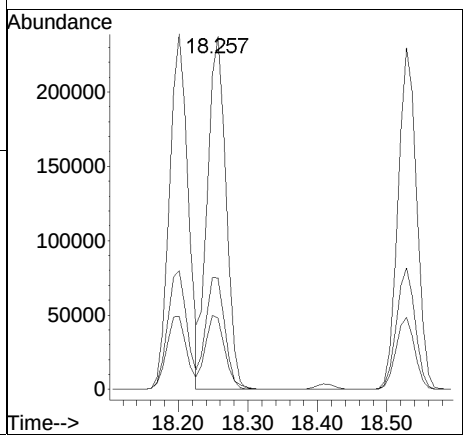


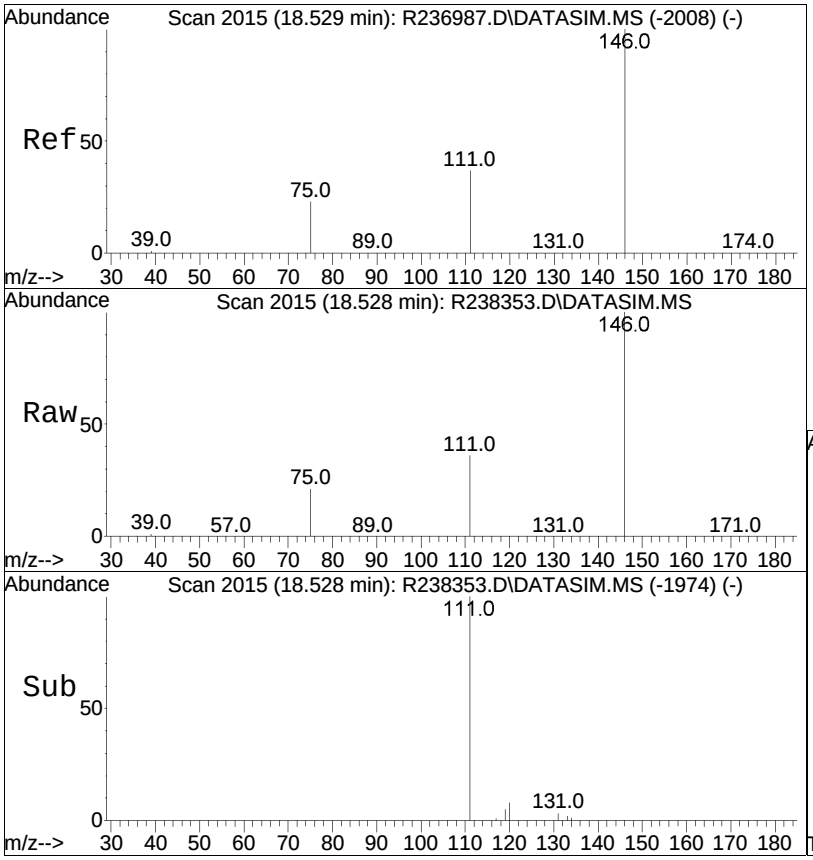


#76
1,4-dichlorobenzene
Concen: 5.74 ppbV
RT: 18.257 min Scan# 1981
Delta R.T. -0.000 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion:146 Resp: 441084

Ion	Ratio	Lower	Upper
146	100		
111	31.6	26.6	40.0
75	20.2	17.7	26.5

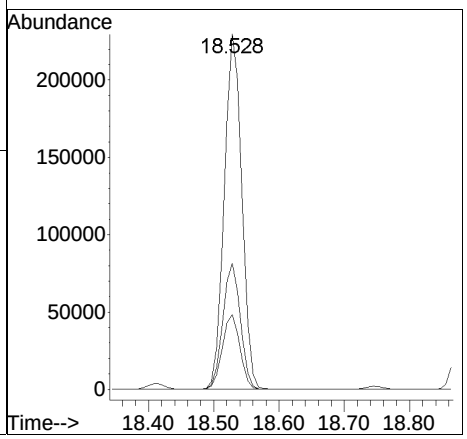


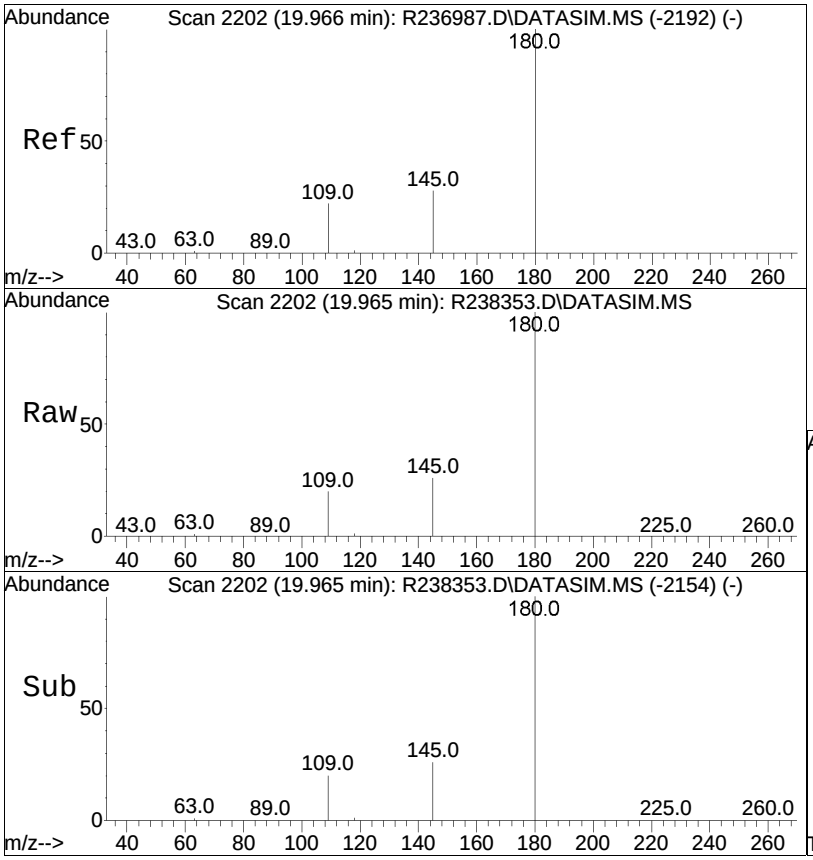


#79
1,2-dichlorobenzene
Concen: 5.69 ppbV
RT: 18.528 min Scan# 2015
Delta R.T. -0.000 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion:146 Resp: 428274

Ion	Ratio	Lower	Upper
146	100		
111	35.6	29.7	44.5
75	21.1	18.3	27.5

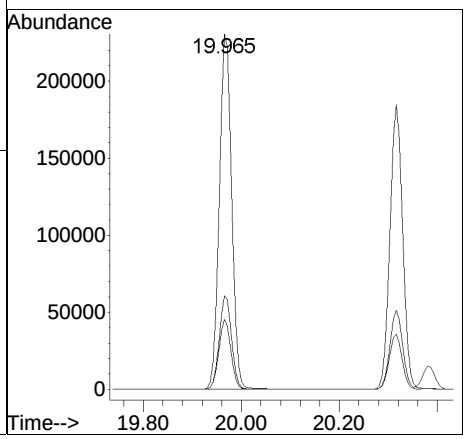


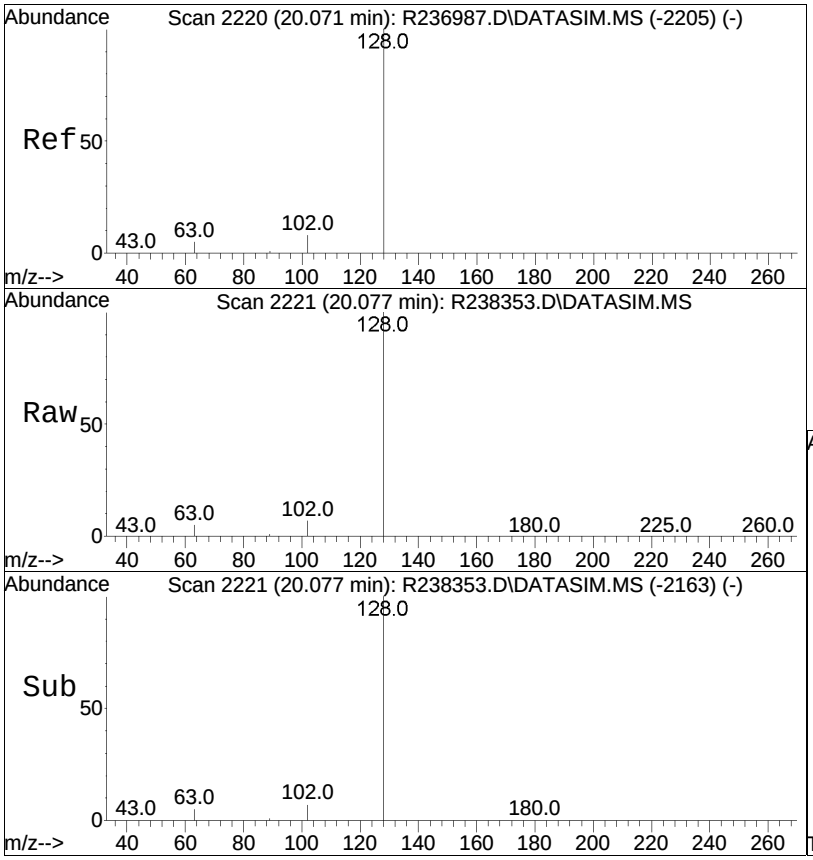


#82
1,2,4-trichlorobenzene
Concen: 6.34 ppbV
RT: 19.965 min Scan# 2202
Delta R.T. -0.000 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion:180 Resp: 403351

Ion	Ratio	Lower	Upper
180	100		
145	26.4	22.4	33.6
109	19.7	17.4	26.2

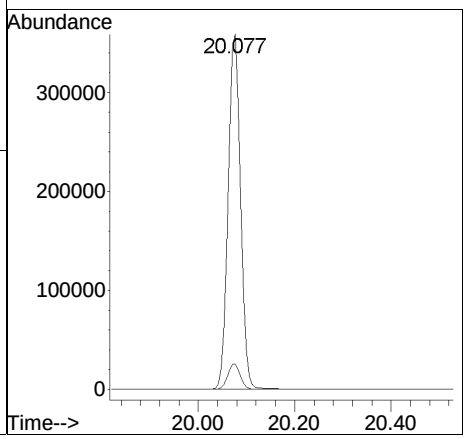


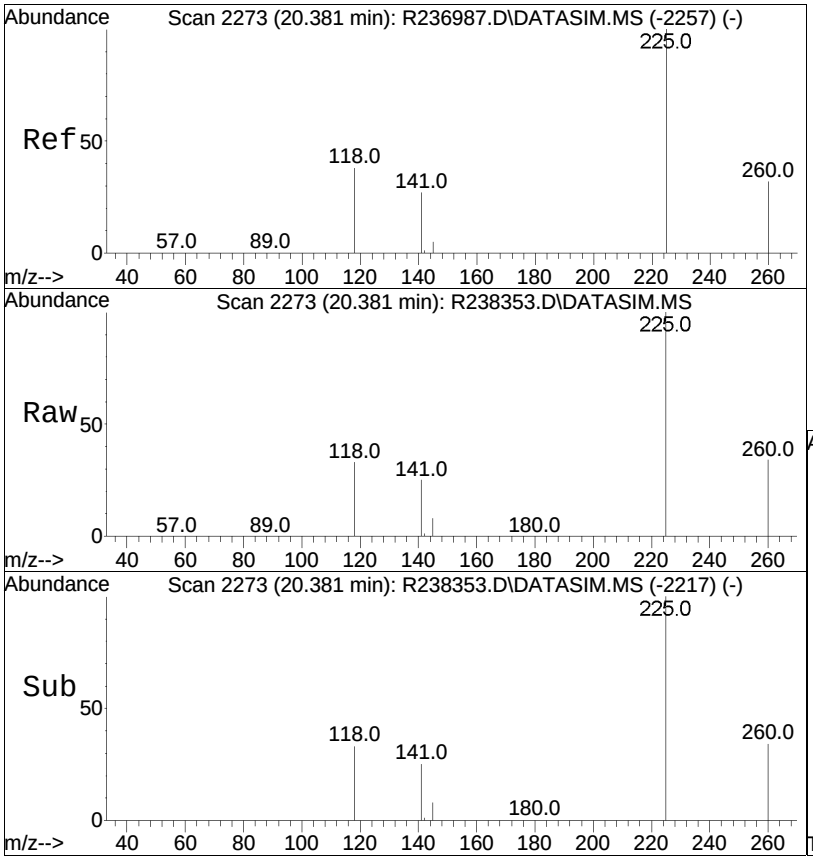


#83
naphthalene
Concen: 5.22 ppbV
RT: 20.077 min Scan# 2221
Delta R.T. 0.005 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion:128 Resp: 644497

Ion	Ratio	Lower	Upper
128	100		
102	7.2	6.5	9.7

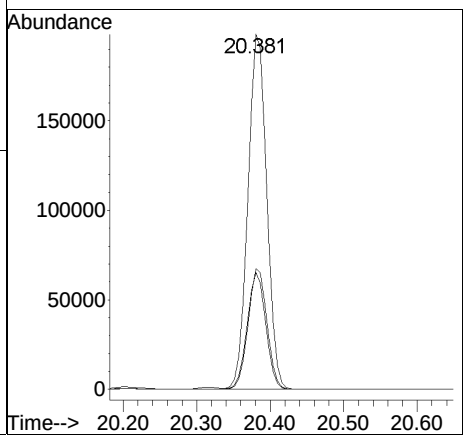




#85
hexachlorobutadiene
Concen: 6.17 ppbV
RT: 20.381 min Scan# 2273
Delta R.T. -0.000 min
Lab File: R238353.D
Acq: 02 Feb 2026 04:29 pm

Tgt Ion:225 Resp: 352726

Ion	Ratio	Lower	Upper
225	100		
260	34.0	25.9	38.9
118	32.9	30.7	46.1



Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\
Data File : r442283_Ev2.D
Acq On : 3 Feb 2026 2:28 PM
Operator : AIRPIANO4:TPH
Sample : WG2171899-3,3,250,250
Misc : WG2171899,ICAL22994
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 03 15:38:59 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:55 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\r442283_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.242	49	346658	10.000	ppbV	0.00
Standard Area = 346658			Recovery = 100.00%			
33) 1,4-difluorobenzene	11.460	114	993616	10.000	ppbV	0.00
Standard Area = 993616			Recovery = 100.00%			
51) chlorobenzene-D5	16.108	54	132612	10.000	ppbV	0.00
Standard Area = 132612			Recovery = 100.00%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.156	85	186004	4.935	ppbV	100
4) chloromethane	4.324	50	93446	5.410	ppbV	100
5) Freon-114	4.432	85	208482	5.548	ppbV	100
6) vinyl chloride	4.558	62	99405	5.056	ppbV	99
8) bromomethane	4.990	94	77460	5.342	ppbV	99
9) chloroethane	5.182	64	57462	5.979	ppbV	97
10) ethanol	5.332	31	333686	20.271	ppbV	98
14) trichlorofluoromethane	6.017	101	152634	5.045	ppbV	100
17) 1,1-dichloroethene	6.708	61	158226	5.244	ppbV	100
18) tertiary butyl alcohol	6.834	59	233825	5.119	ppbV	99
19) methylene chloride	6.846	49	144772	5.042	ppbV	100
22) Freon 113	7.146	101	204332	5.105	ppbV	99
23) trans-1,2-dichloroethene	7.883	61	168954	5.529	ppbV	99
24) 1,1-dichloroethane	8.108	63	197967	4.912	ppbV	99
25) MTBE	8.200	73	301255	5.676	ppbV	99
27) 2-butanone	8.567	43	265718	5.529	ppbV	100
28) cis-1,2-dichloroethene	9.058	61	152290	4.942	ppbV	96
30) chloroform	9.392	83	215432	4.894	ppbV	99
32) 1,2-dichloroethane	10.225	62	95783	4.683	ppbV	99
34) hexane	9.308	57	250214	5.687	ppbV	87
36) 1,1,1-trichloroethane	10.517	97	155770	4.917	ppbV	98
37) benzene	11.040	78	445611	4.911	ppbV	100
38) carbon tetrachloride	11.213	117	139854	5.843	ppbV	98
39) cyclohexane	11.353	56	272935	5.652	ppbV	99
41) 1,2-dichloropropane	11.980	63	143418	4.885	ppbV	97
42) bromodichloromethane	12.207	83	224012	5.752	ppbV	99
43) 1,4-dioxane	12.280	88	113027	5.878	ppbV	99
44) trichloroethene	12.260	130	176326	5.045	ppbV	99

Data Path : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\
Data File : r442283_Ev2.D
Acq On : 3 Feb 2026 2:28 PM
Operator : AIRPIANO4:TPH
Sample : WG2171899-3,3,250,250
Misc : WG2171899,ICAL22994
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 03 15:38:59 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:55 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\r442283_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

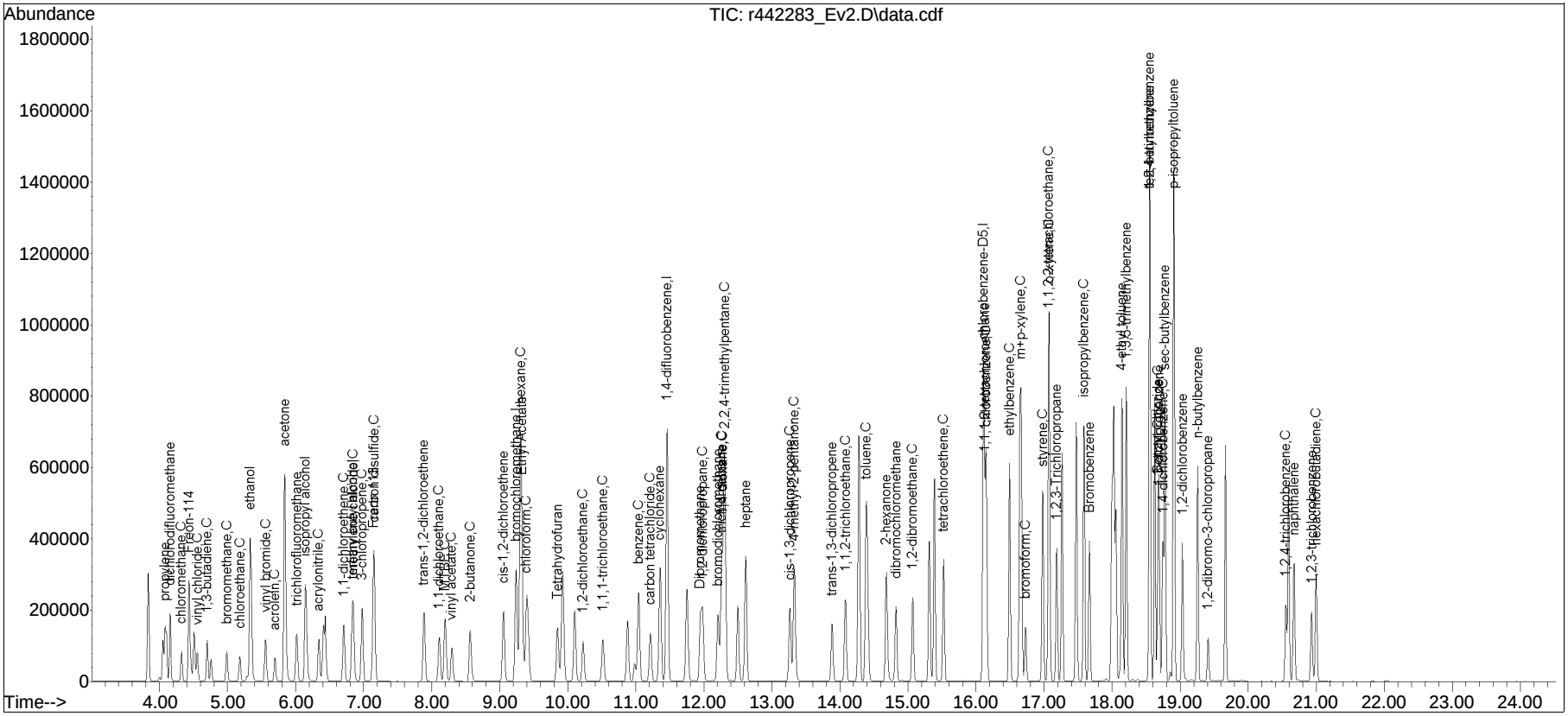
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 2,2,4-trimethylpentane	12.307	57	817121	5.814	ppbV	99
46) heptane	12.613	43	268559	5.866	ppbV	99
47) cis-1,3-dichloropropene	13.267	75	232537	6.139	ppbV	99
48) 4-methyl-2-pentanone	13.325	43	303946	5.704	ppbV	100
49) trans-1,3-dichloropropene	13.883	75	165014	6.595	ppbV	99
50) 1,1,2-trichloroethane	14.083	97	153473	5.097	ppbV	96
52) toluene	14.383	91	521427	5.211	ppbV	100
55) dibromochloromethane	14.825	129	183168	5.727	ppbV	100
56) 1,2-dibromoethane	15.067	107	229625	5.551	ppbV	100
57) tetrachloroethene	15.525	166	246035	5.132	ppbV	99
59) chlorobenzene	16.150	112	424262	5.200	ppbV	98
60) ethylbenzene	16.492	91	627314	5.178	ppbV	100
61) m+p-xylene	16.658	91	1028122	10.637	ppbV	100
62) bromoform	16.725	173	124554	4.046	ppbV	99
63) styrene	16.983	104	411432	5.496	ppbV	96
64) 1,1,2,2-tetrachloroethane	17.067	83	415079	5.413	ppbV	100
65) o-xylene	17.075	91	514381	5.306	ppbV	98
71) 1,3,5-trimethylbenzene	18.208	105	608250	5.771	ppbV	99
73) 1,2,4-trimethylbenzene	18.550	105	605100	5.886	ppbV	97
74) Benzyl Chloride	18.675	91	346015	6.140	ppbV	95
75) 1,3-dichlorobenzene	18.692	146	378945	5.783	ppbV	94
76) 1,4-dichlorobenzene	18.750	146	367424	5.919	ppbV	93
79) 1,2-dichlorobenzene	19.033	146	357924	5.643	ppbV	97
82) 1,2,4-trichlorobenzene	20.550	180	264585	6.484	ppbV	99
83) naphthalene	20.675	128	542055	5.589	ppbV	98
85) hexachlorobutadiene	21.000	225	303601	5.630	ppbV	100

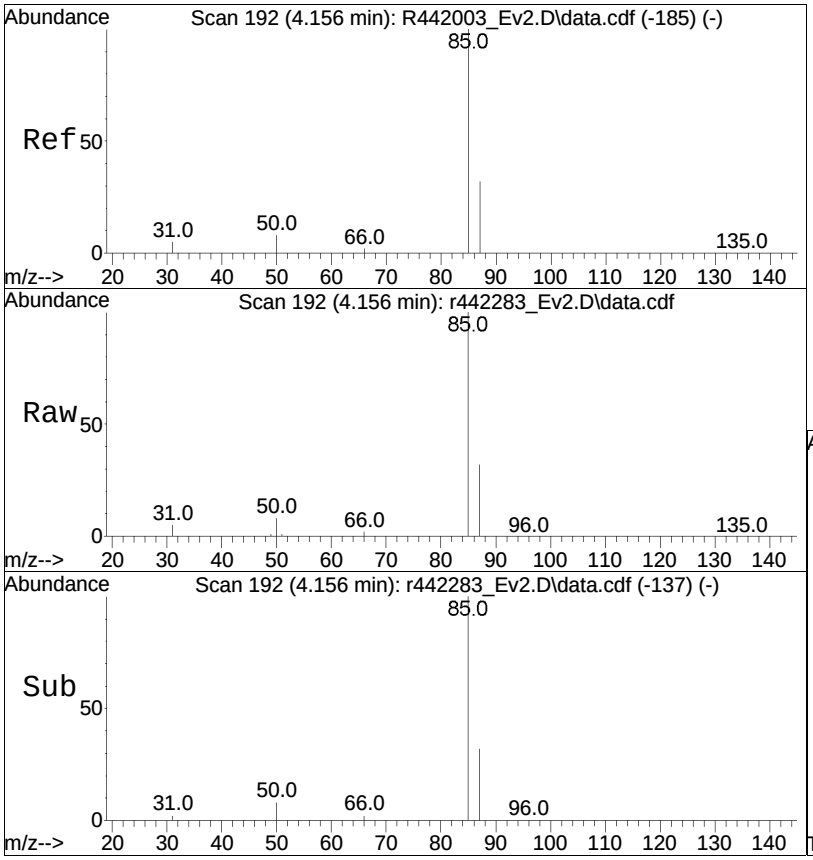
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-LCS-AP2 - All compounds listedIM\r442283_Ev2.D

Data Path : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\
Data File : r442283_Ev2.D
Acq On : 3 Feb 2026 2:28 PM
Operator : AIRPIANO4:TPH
Sample : WG2171899-3,3,250,250
Misc : WG2171899,ICAL22994
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 03 15:38:59 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:55 2026
Response via : Initial Calibration

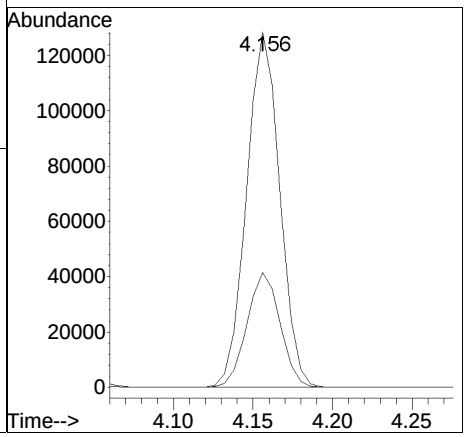


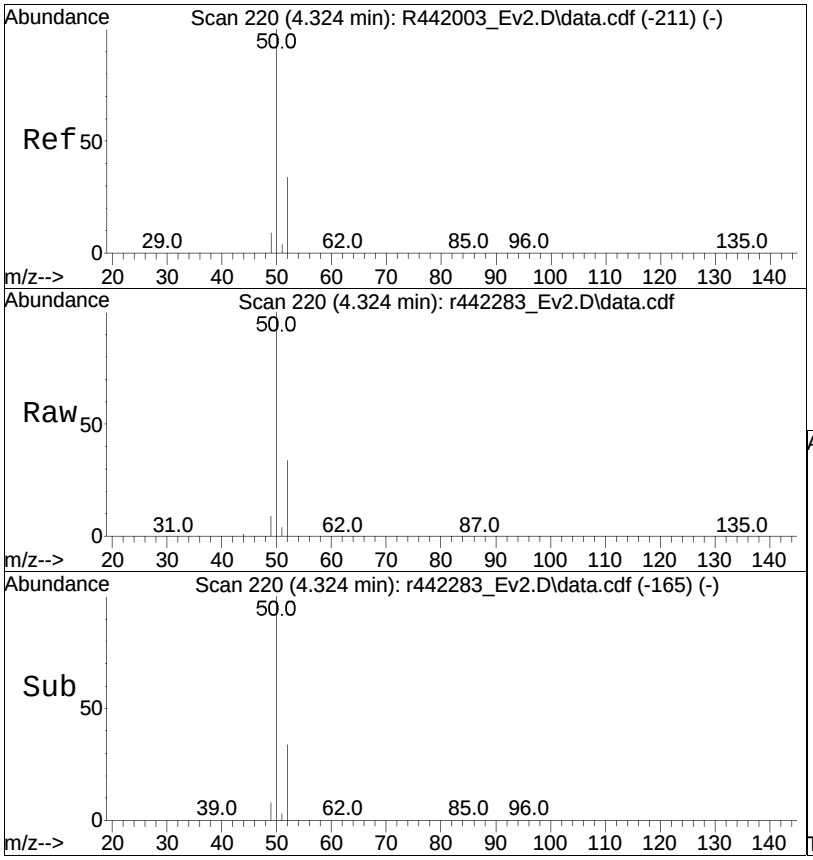


#3
dichlorodifluoromethane
Concen: 4.93 ppbV
RT: 4.156 min Scan# 192
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 85 Resp: 186004

Ion	Ratio	Lower	Upper
85	100		
87	32.4	25.7	38.5

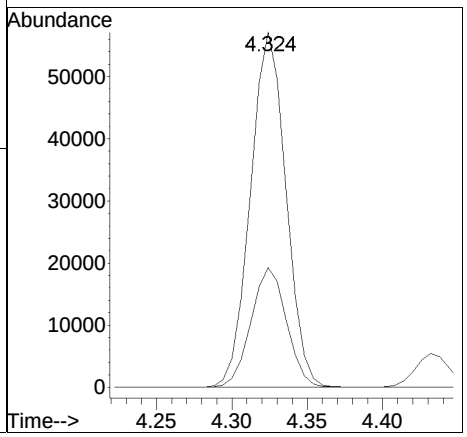


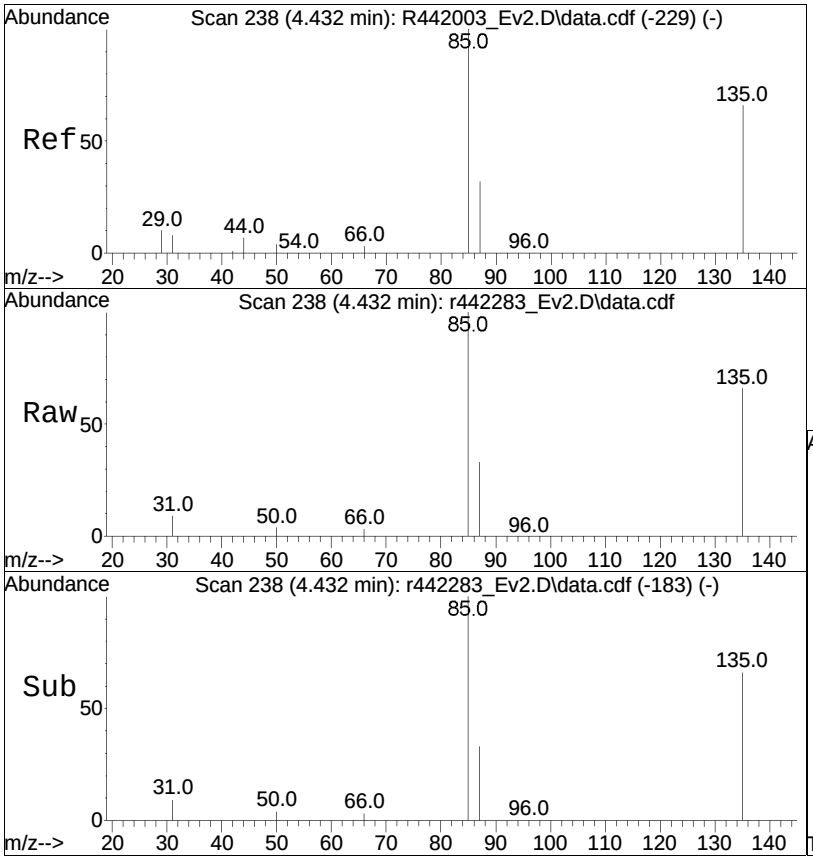


#4
chloromethane
Concen: 5.41 ppbV
RT: 4.324 min Scan# 220
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 50 Resp: 93446

Ion	Ratio	Lower	Upper
50	100		
52	33.7	27.0	40.6

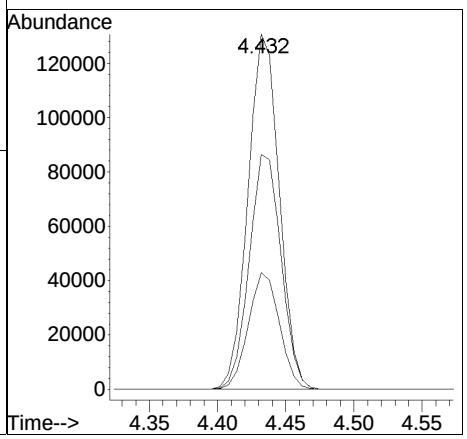


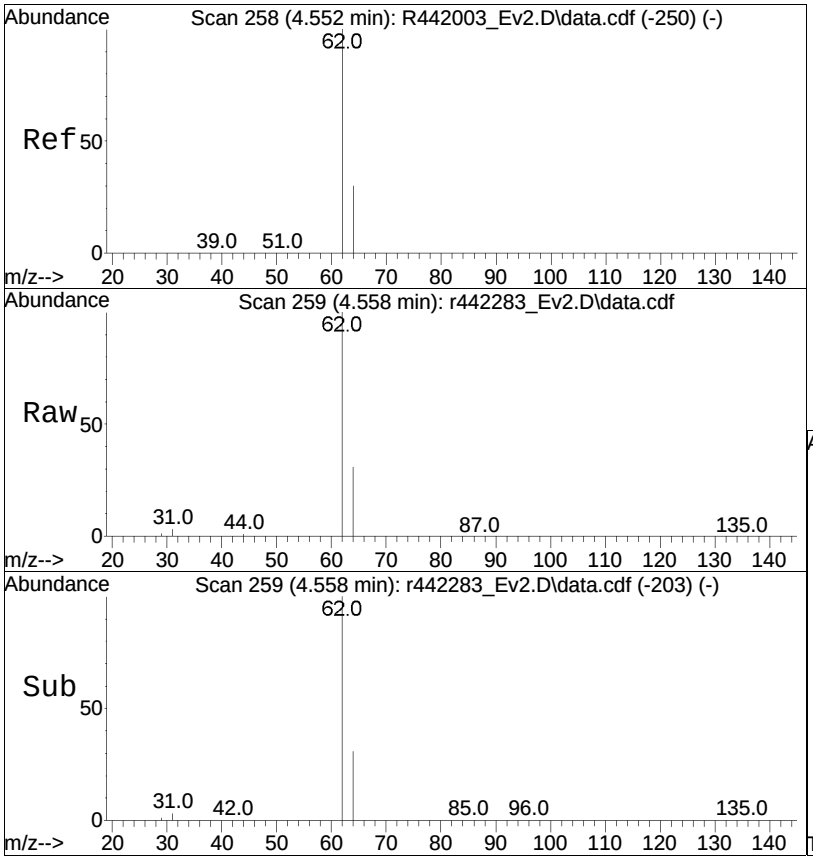


#5
Freon-114
Concen: 5.55 ppbV
RT: 4.432 min Scan# 238
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 85 Resp: 208482

Ion	Ratio	Lower	Upper
85	100		
87	32.8	26.0	39.0
135	66.1	53.1	79.7

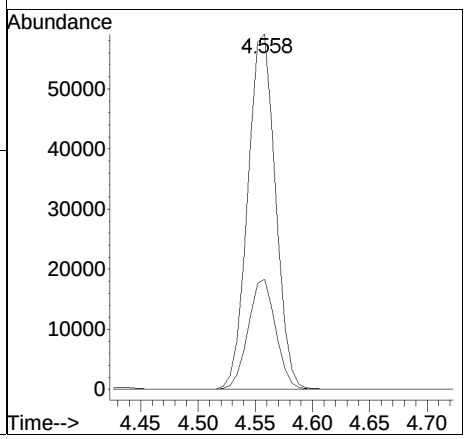


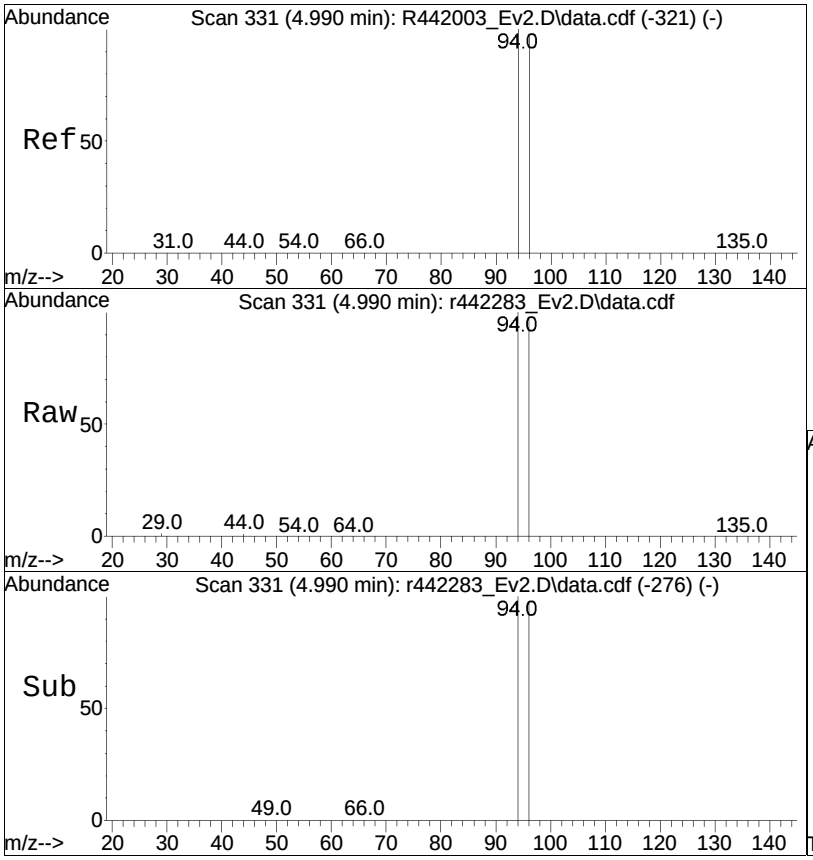


#6
vinyl chloride
Concen: 5.06 ppbV
RT: 4.558 min Scan# 259
Delta R.T. 0.006 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 62 Resp: 99405

Ion	Ratio	Lower	Upper
62	100		
64	31.0	24.4	36.6

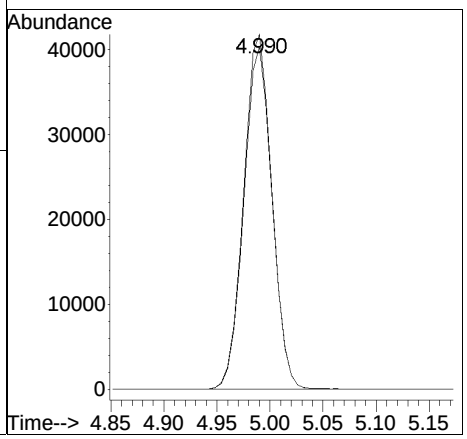


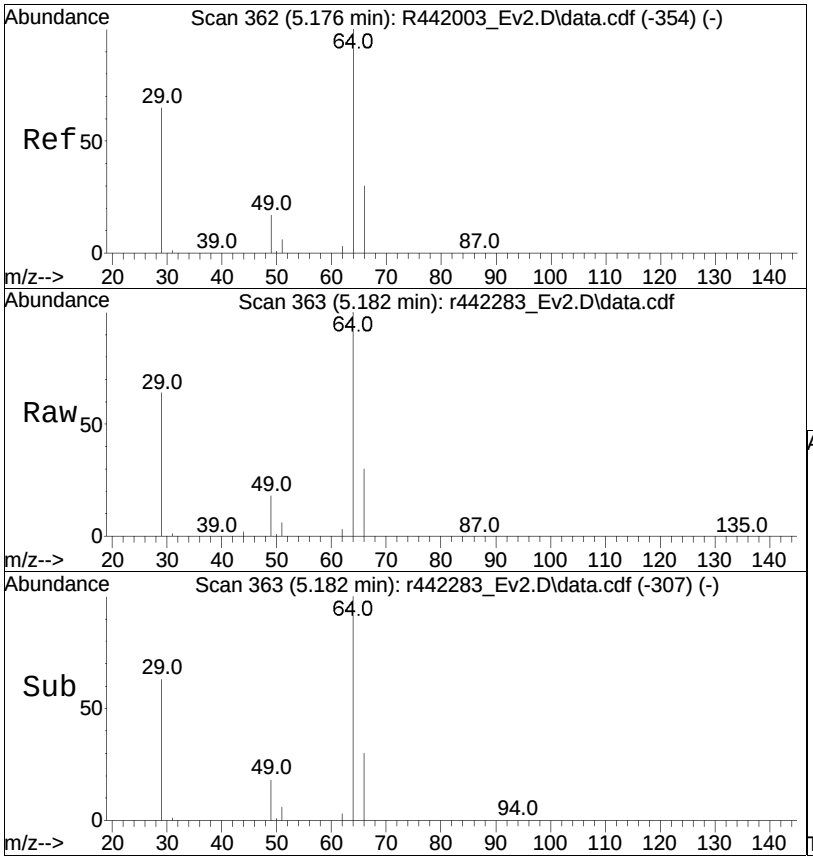


#8
bromomethane
Concen: 5.34 ppbV
RT: 4.990 min Scan# 331
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 94 Resp: 77460

Ion	Ratio	Lower	Upper
94	100		
96	96.5	77.7	116.5

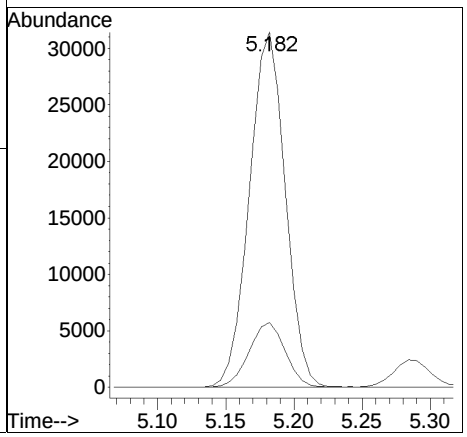


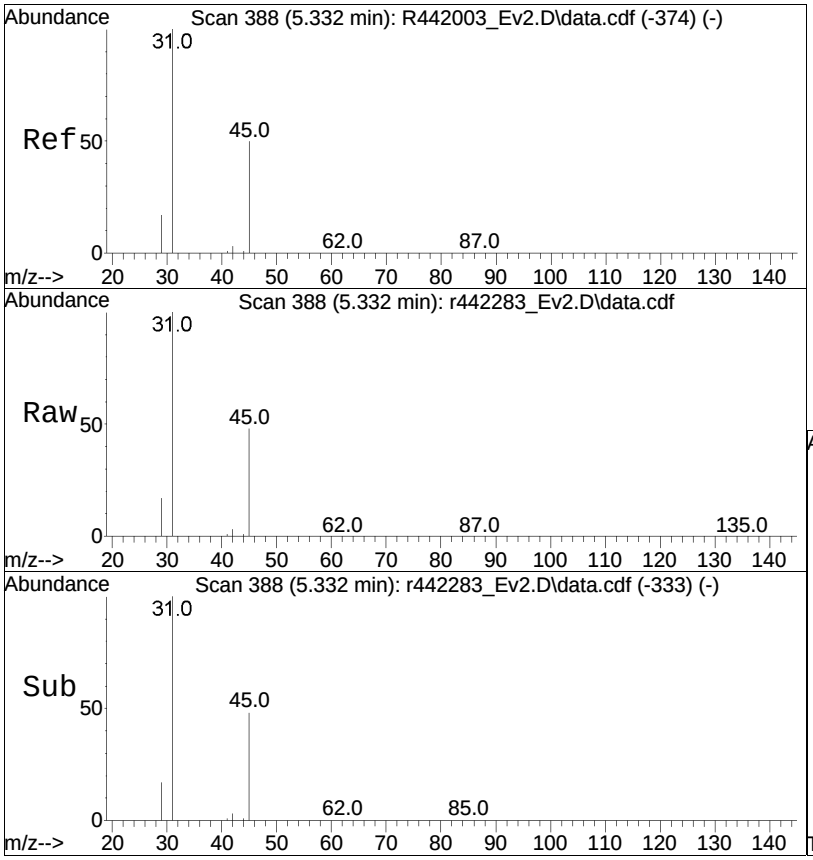


#9
chloroethane
Concen: 5.98 ppbV
RT: 5.182 min Scan# 363
Delta R.T. 0.006 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 64 Resp: 57462

Ion	Ratio	Lower	Upper
64	100		
49	18.3	13.4	20.2

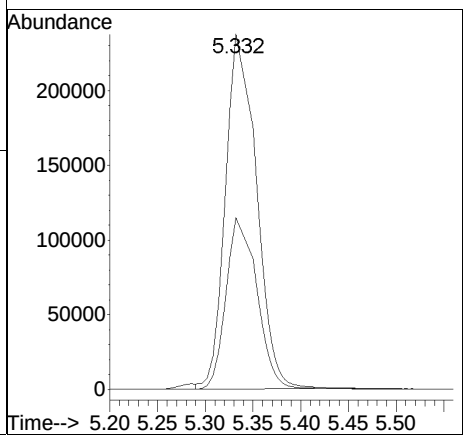


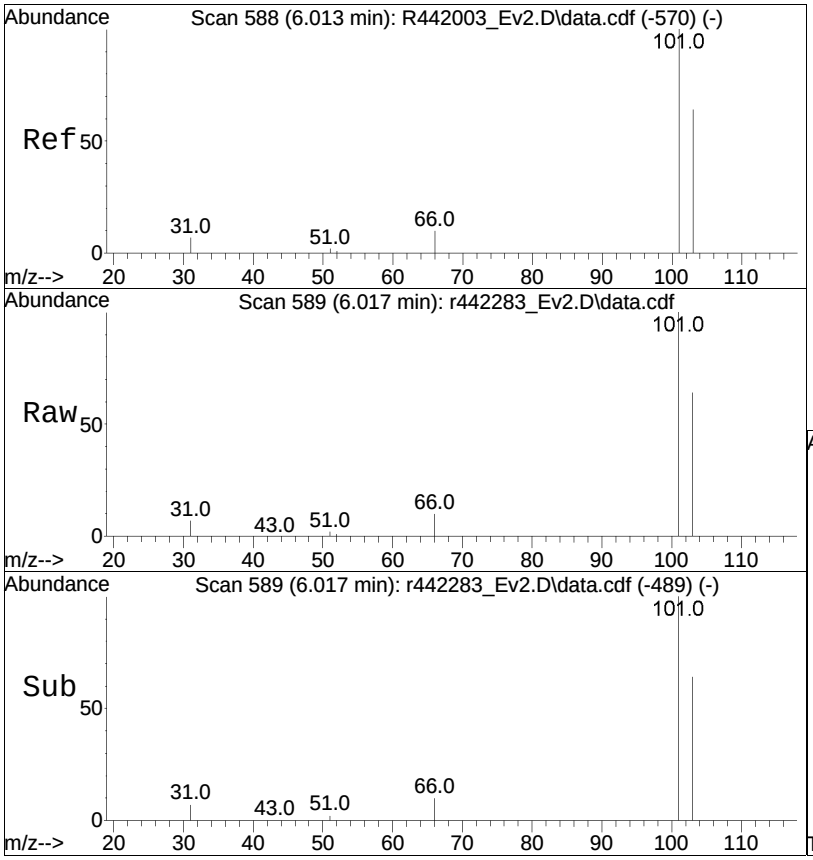


#10
ethanol
Concen: 20.27 ppbV
RT: 5.332 min Scan# 388
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 31 Resp: 333686

Ion	Ratio	Lower	Upper
31	100		
45	48.3	40.0	60.0

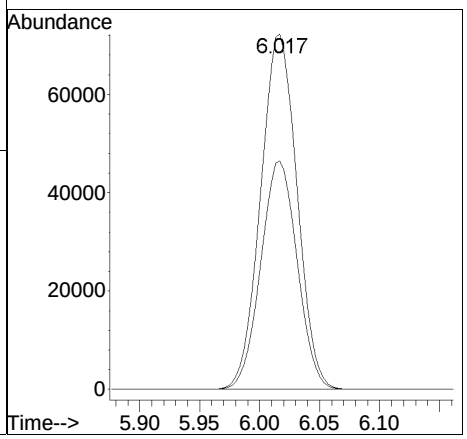


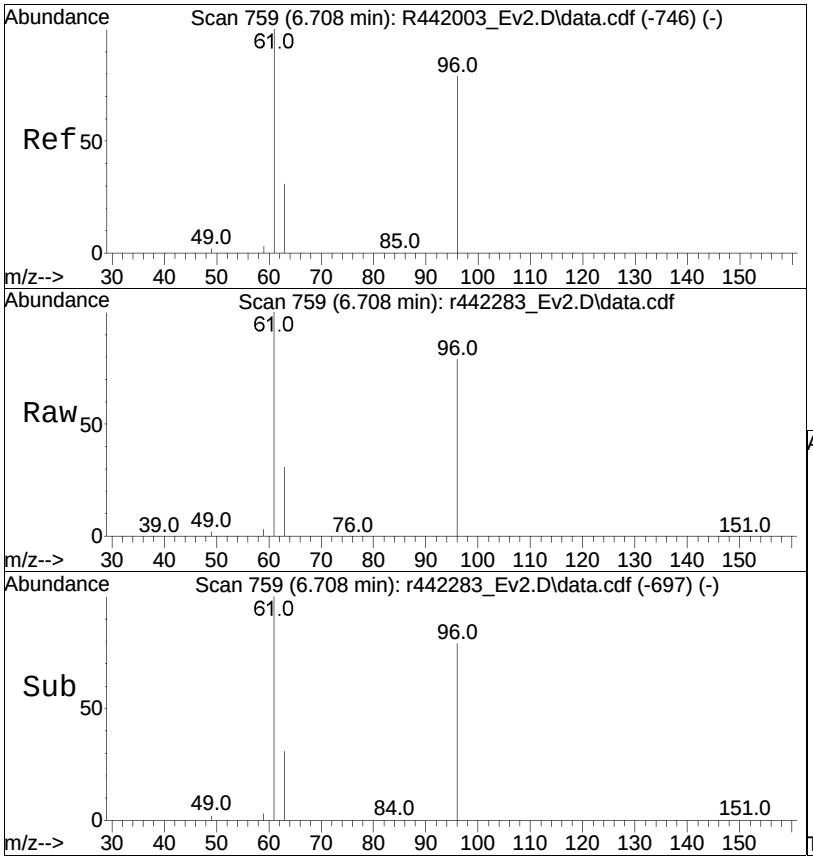


#14
trichlorofluoromethane
Concen: 5.05 ppbV
RT: 6.017 min Scan# 589
Delta R.T. 0.003 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion:101 Resp: 152634

Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.6	77.4

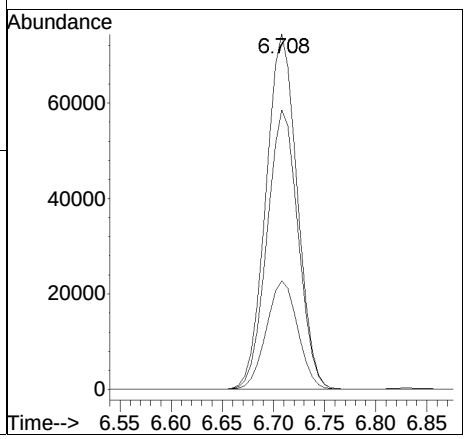


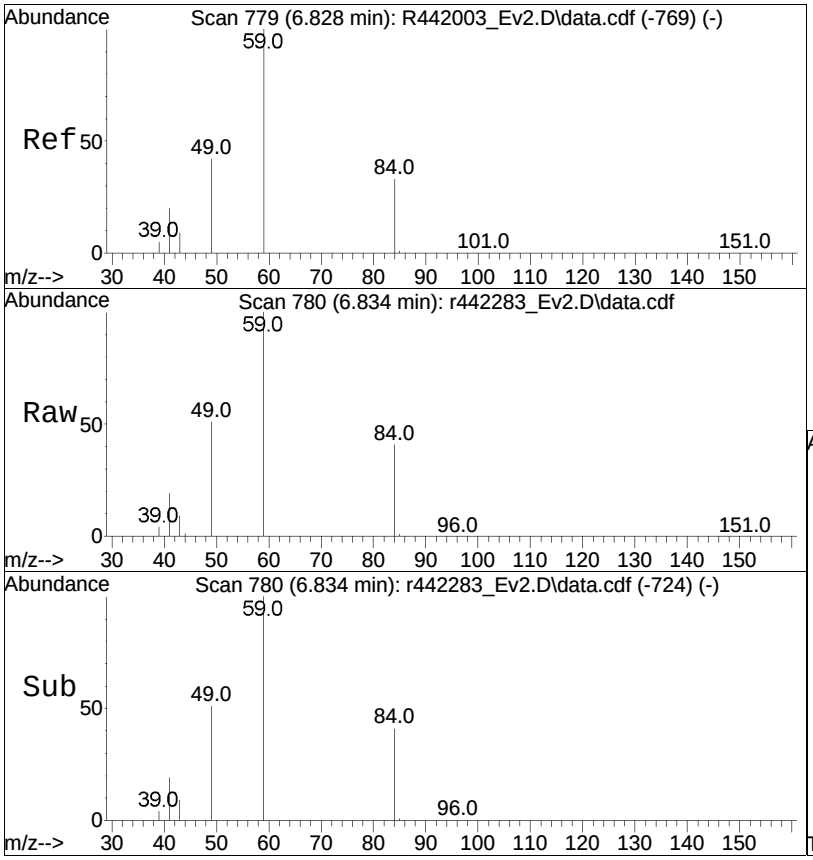


#17
1,1-dichloroethene
Concen: 5.24 ppbV
RT: 6.708 min Scan# 759
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 61 Resp: 158226

Ion	Ratio	Lower	Upper
61	100		
96	78.6	62.9	94.3
63	30.6	24.6	36.8

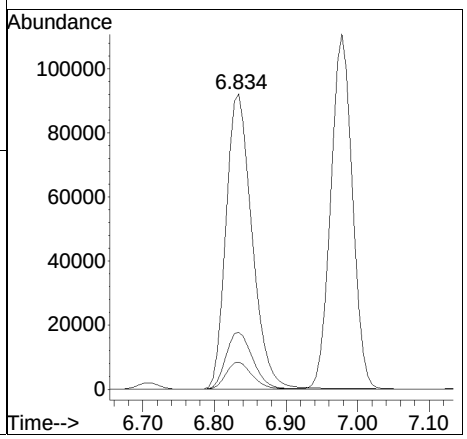


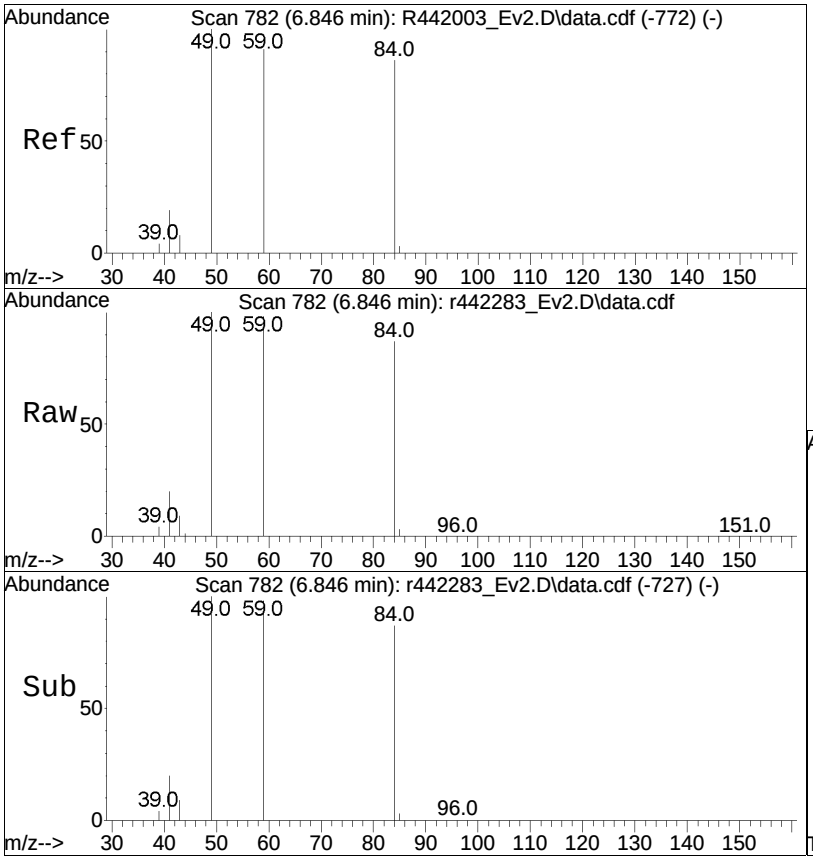


#18
tertiary butyl alcohol
Concen: 5.12 ppbV
RT: 6.834 min Scan# 780
Delta R.T. 0.006 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 59 Resp: 233825

Ion	Ratio	Lower	Upper
59	100		
41	19.8	15.9	23.9
43	9.2	7.0	10.4

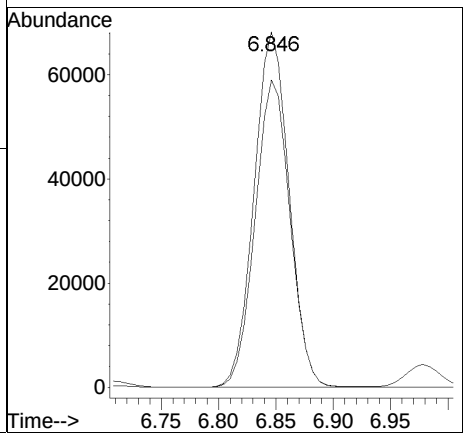


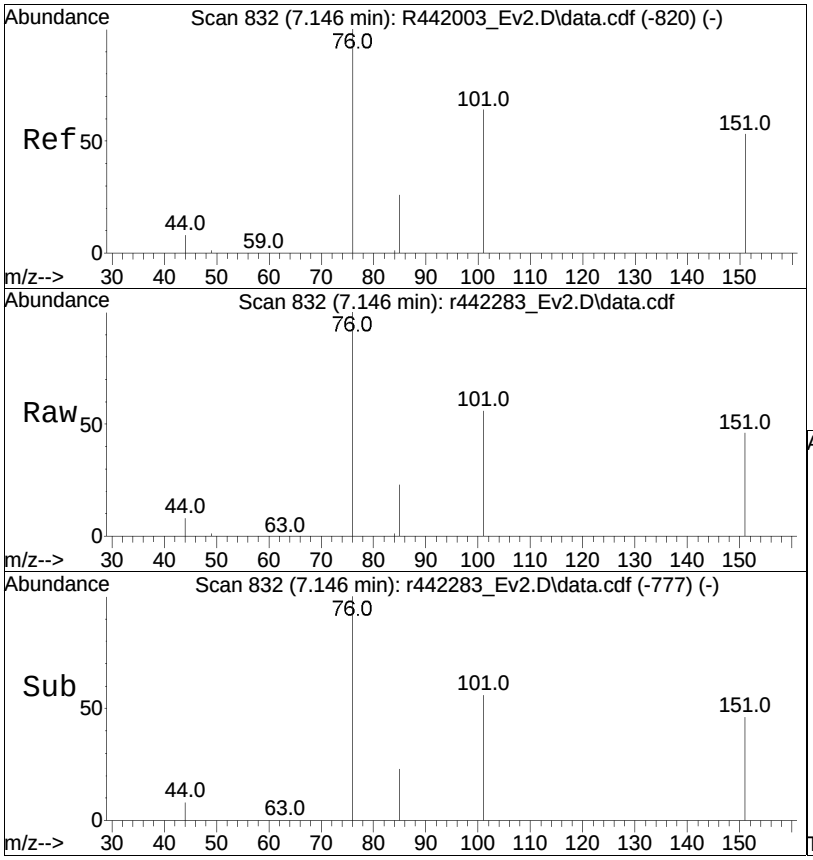


#19
methylene chloride
Concen: 5.04 ppbV
RT: 6.846 min Scan# 782
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 49 Resp: 144772

Ion	Ratio	Lower	Upper
49	100		
84	86.5	68.9	103.3

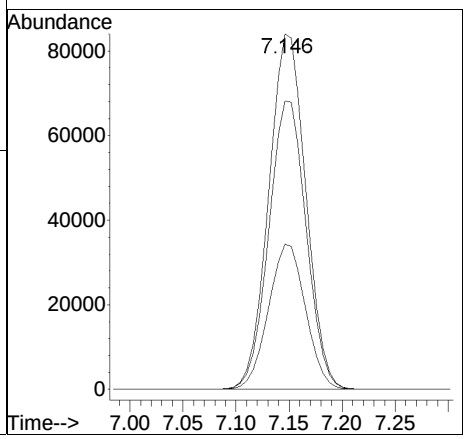


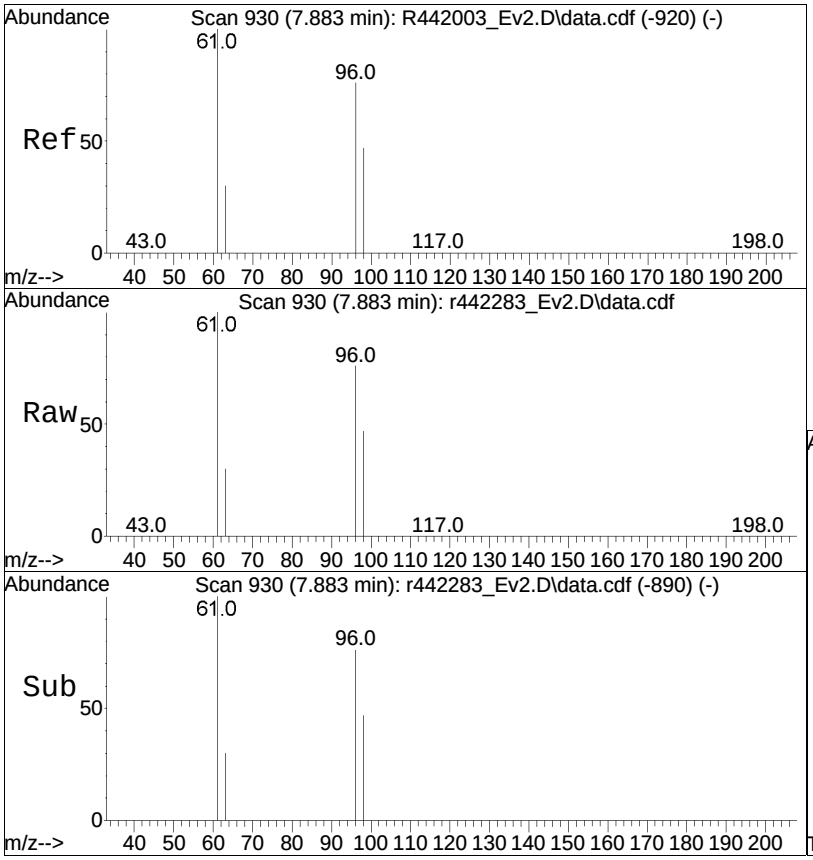


#22
Freon 113
Concen: 5.10 ppbV
RT: 7.146 min Scan# 832
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion:101 Resp: 204332

Ion	Ratio	Lower	Upper
101	100		
85	40.9	33.1	49.7
151	81.2	66.0	99.0

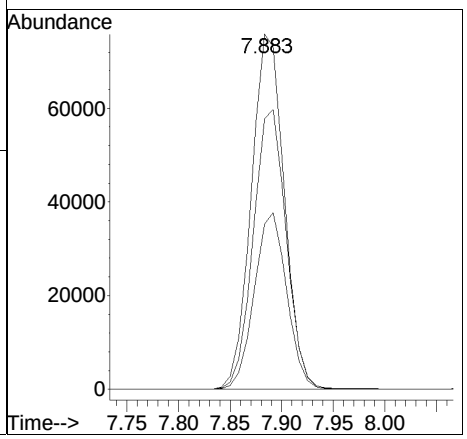


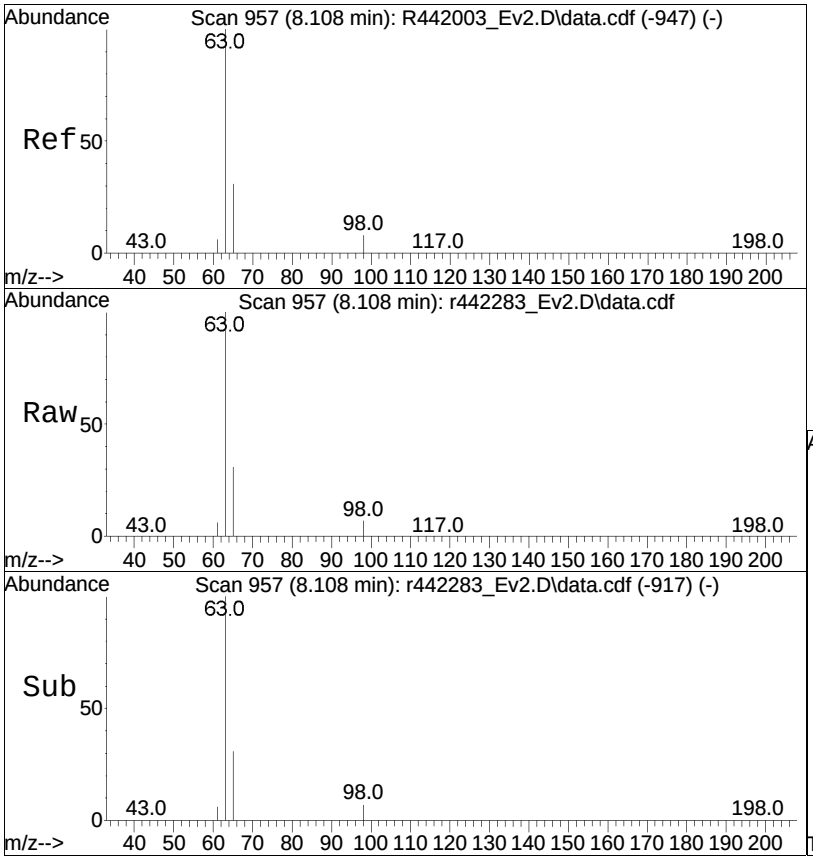


#23
trans-1,2-dichloroethene
Concen: 5.53 ppbV
RT: 7.883 min Scan# 930
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 61 Resp: 168954

Ion	Ratio	Lower	Upper
61	100		
96	76.1	60.7	91.1
98	46.5	37.7	56.5

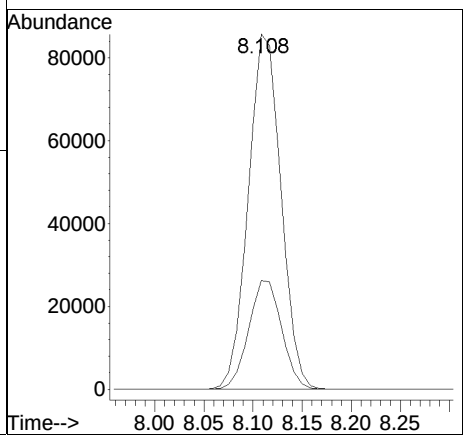


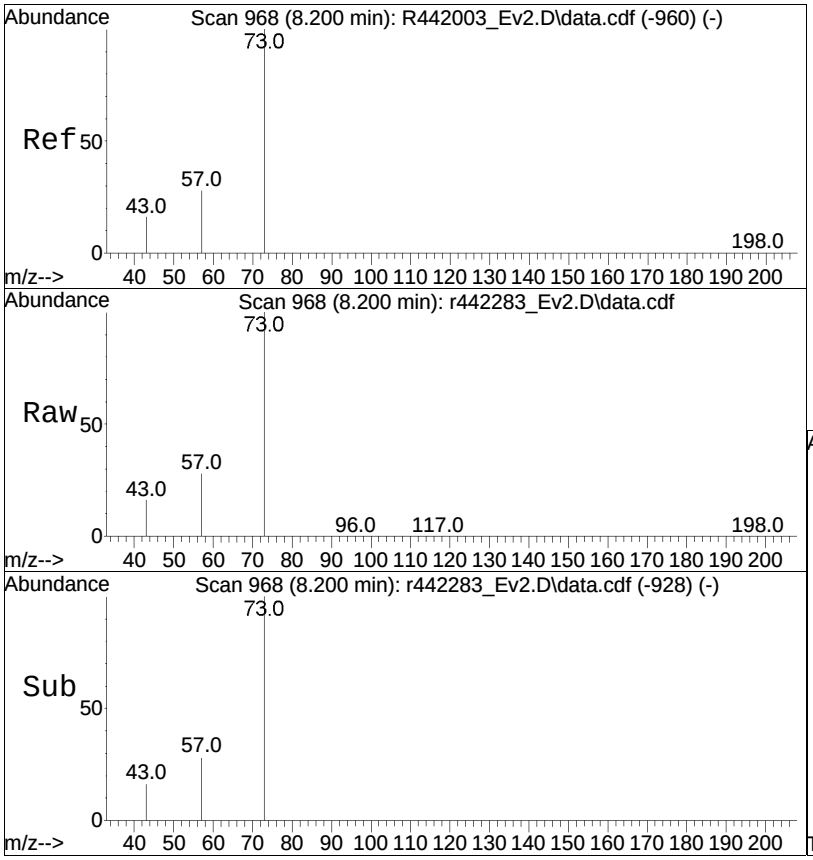


#24
1,1-dichloroethane
Concen: 4.91 ppbV
RT: 8.108 min Scan# 957
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 63 Resp: 197967

Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.9	37.3

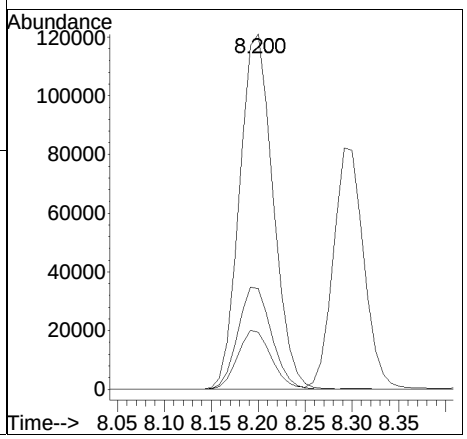


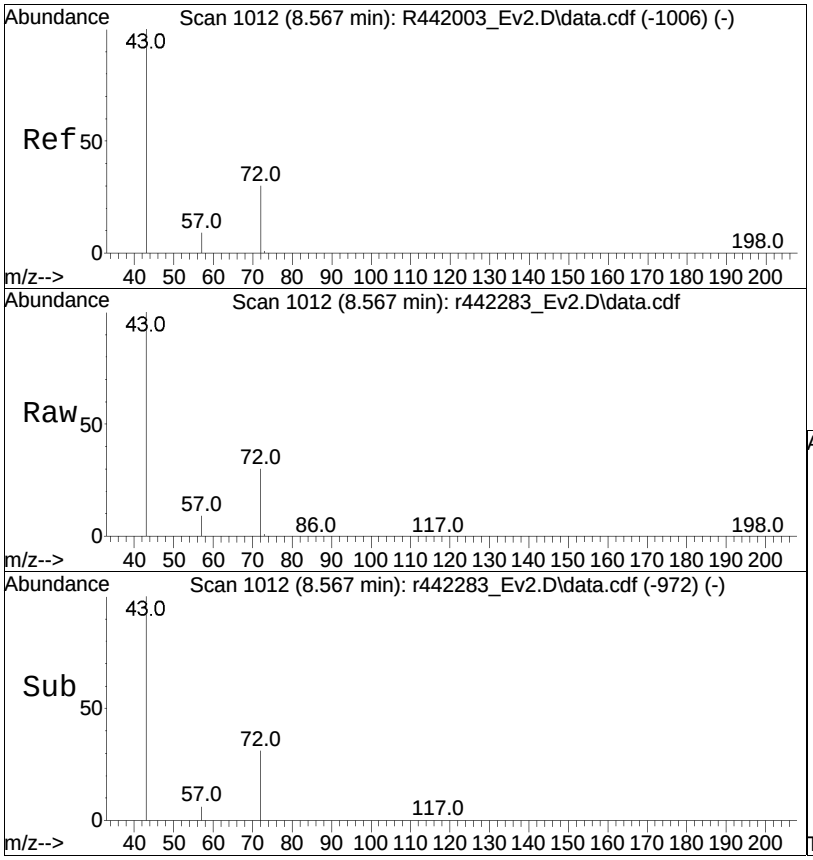


#25
MTBE
Concen: 5.68 ppbV
RT: 8.200 min Scan# 968
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 73 Resp: 301255

Ion	Ratio	Lower	Upper
73	100		
57	28.3	22.1	33.1
43	16.1	12.9	19.3

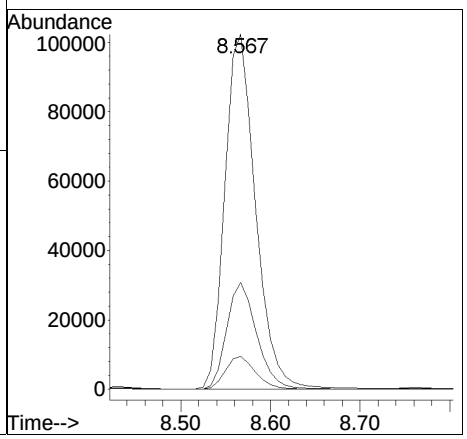


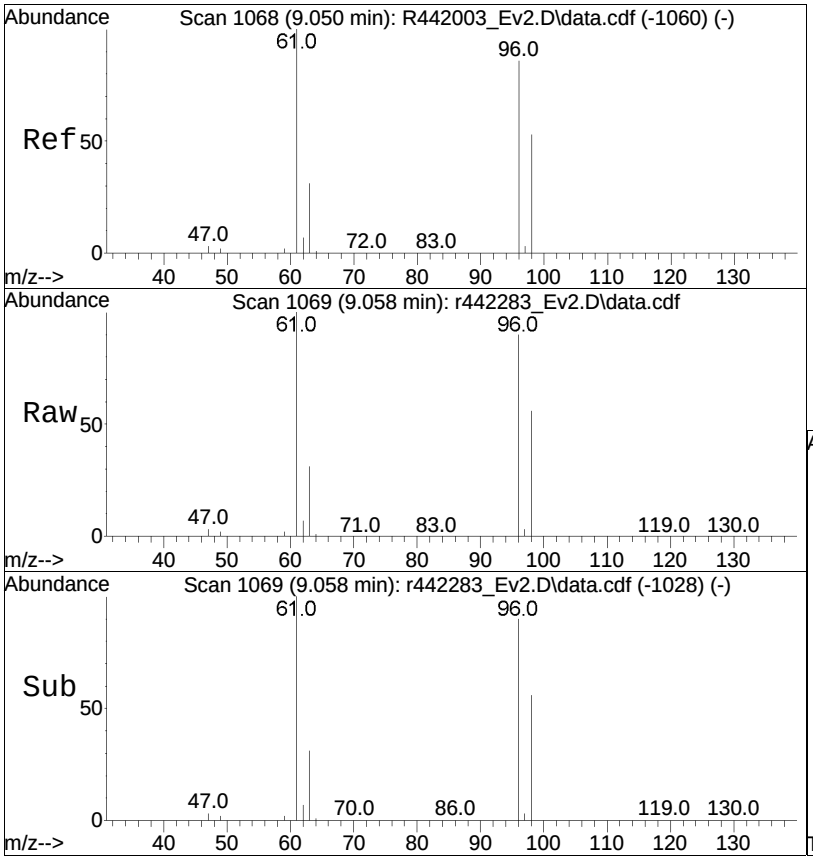


#27
2-butanone
Concen: 5.53 ppbV
RT: 8.567 min Scan# 1012
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 43 Resp: 265718

Ion	Ratio	Lower	Upper
43	100		
72	30.1	23.9	35.9
57	9.3	7.4	11.2

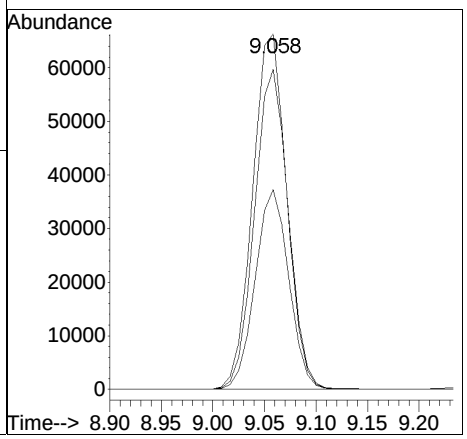


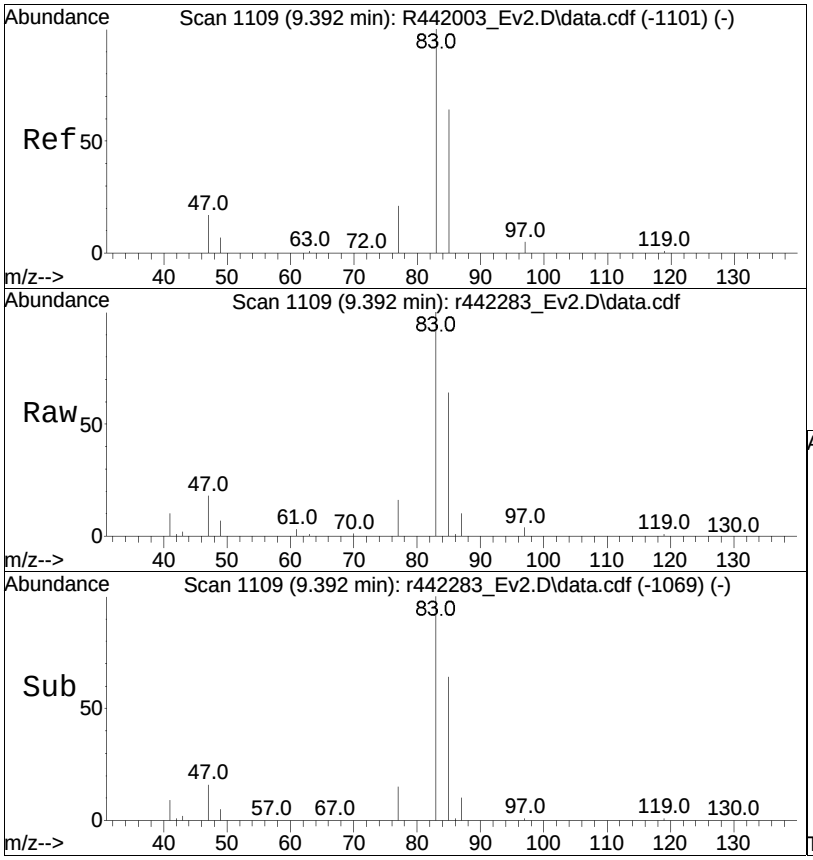


#28
cis-1,2-dichloroethene
Concen: 4.94 ppbV
RT: 9.058 min Scan# 1069
Delta R.T. 0.008 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 61 Resp: 152290

Ion	Ratio	Lower	Upper
61	100		
96	90.1	69.1	103.7
98	56.2	42.6	63.8

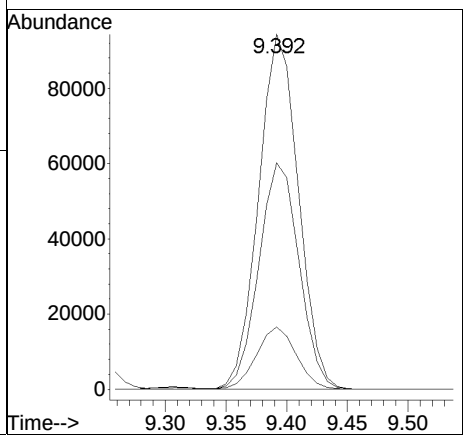


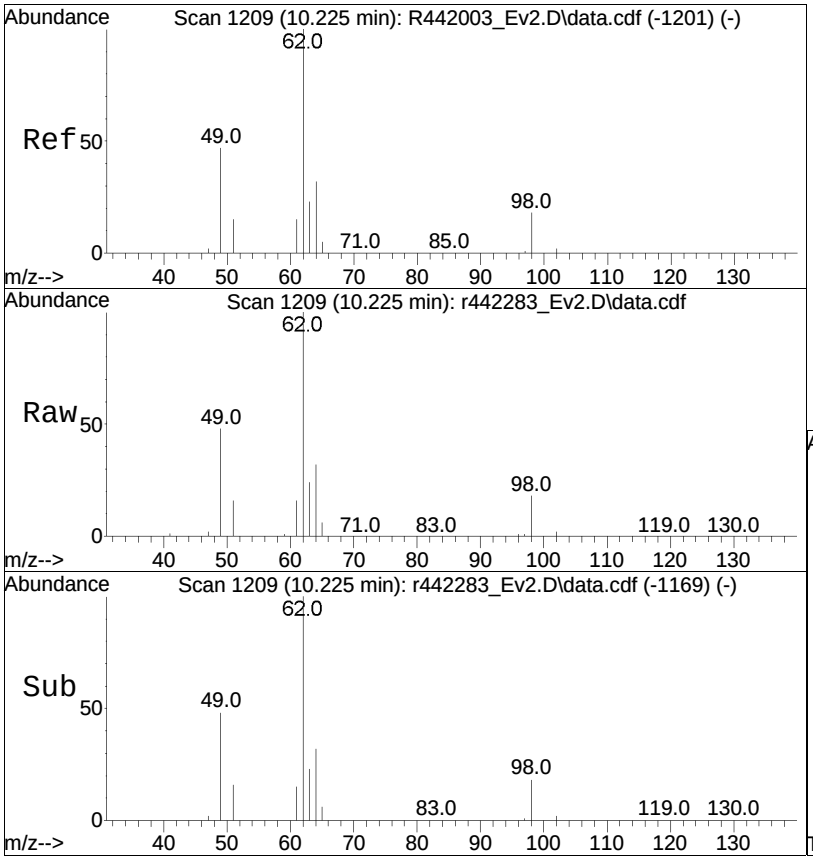


#30
chloroform
Concen: 4.89 ppbV
RT: 9.392 min Scan# 1109
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 83 Resp: 215432

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.5	77.3
47	17.6	13.8	20.6

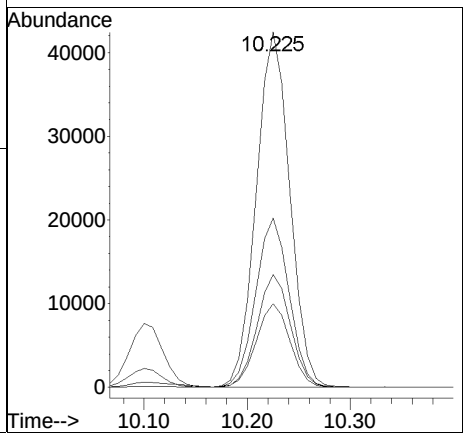


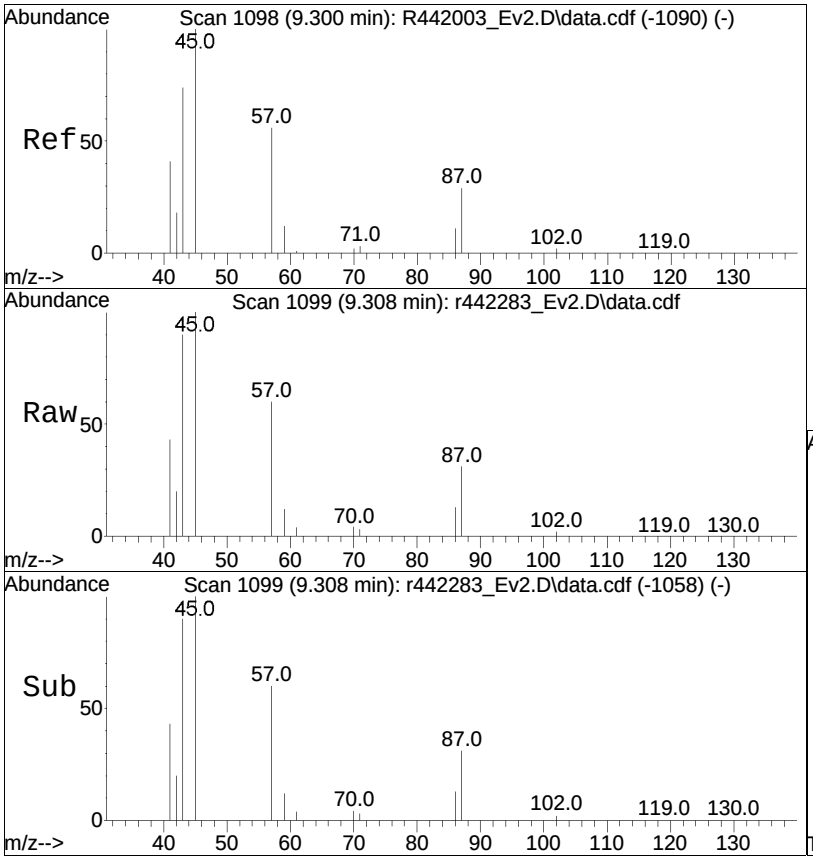


#32
1,2-dichloroethane
Concen: 4.68 ppbV
RT: 10.225 min Scan# 1209
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 62 Resp: 95783

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.4	38.2
49	47.6	37.4	56.2
63	23.5	18.5	27.7

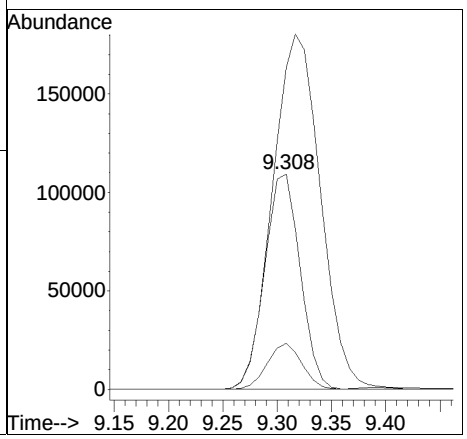


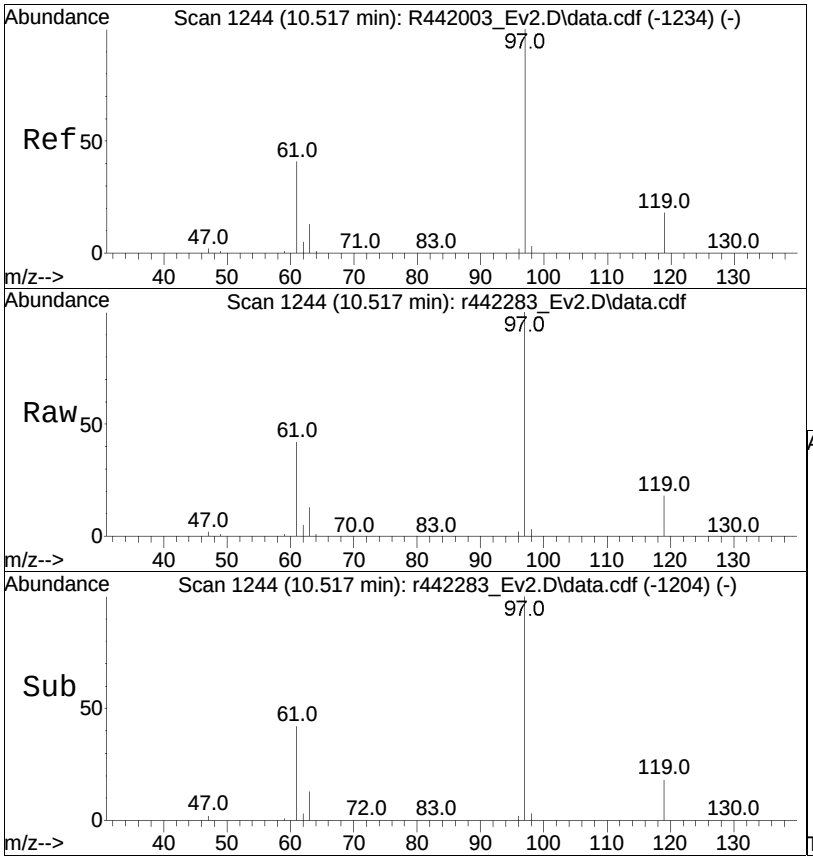


#34
hexane
Concen: 5.69 ppbV
RT: 9.308 min Scan# 1099
Delta R.T. 0.008 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 57 Resp: 250214

Ion	Ratio	Lower	Upper
57	100		
43	149.5	105.6	158.4
86	21.4	15.8	23.8

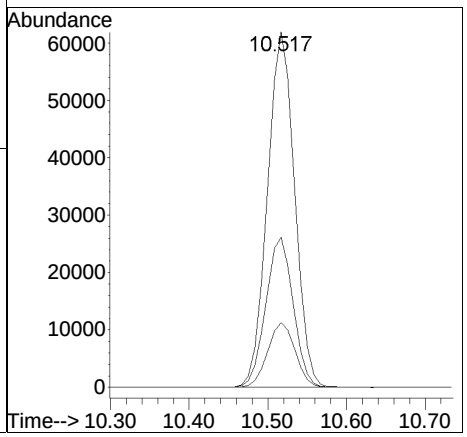


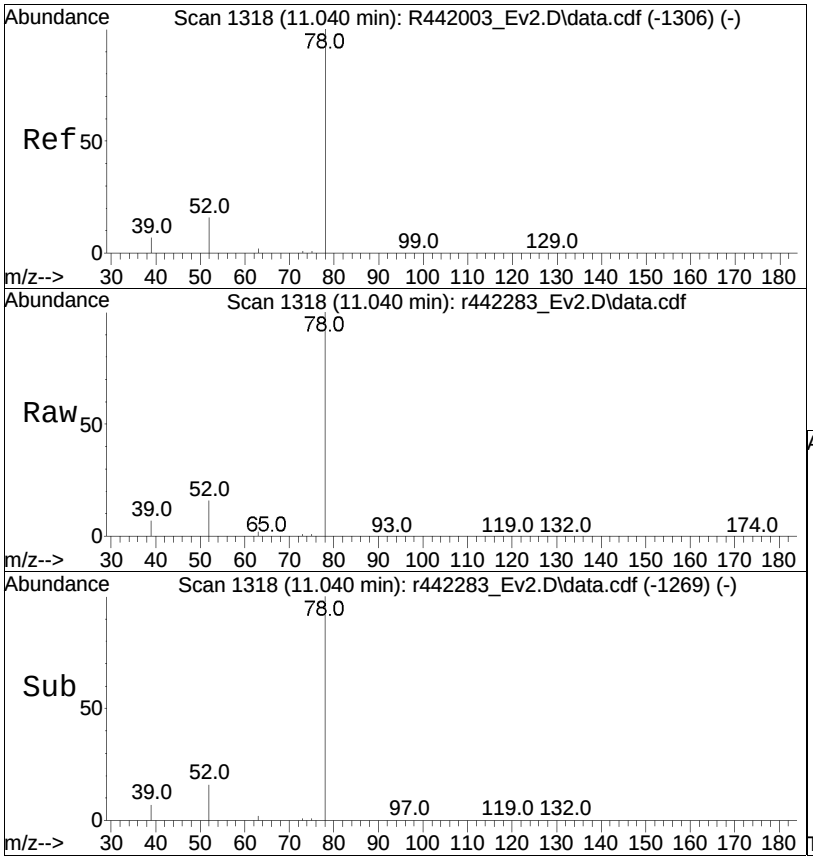


#36
1,1,1-trichloroethane
Concen: 4.92 ppbV
RT: 10.517 min Scan# 1244
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 97 Resp: 155770

Ion	Ratio	Lower	Upper
97	100		
61	42.2	32.9	49.3
119	18.2	14.3	21.5

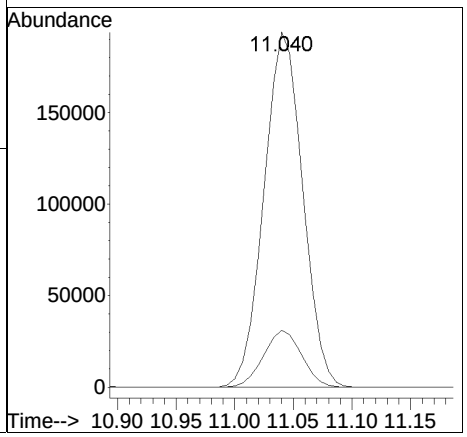


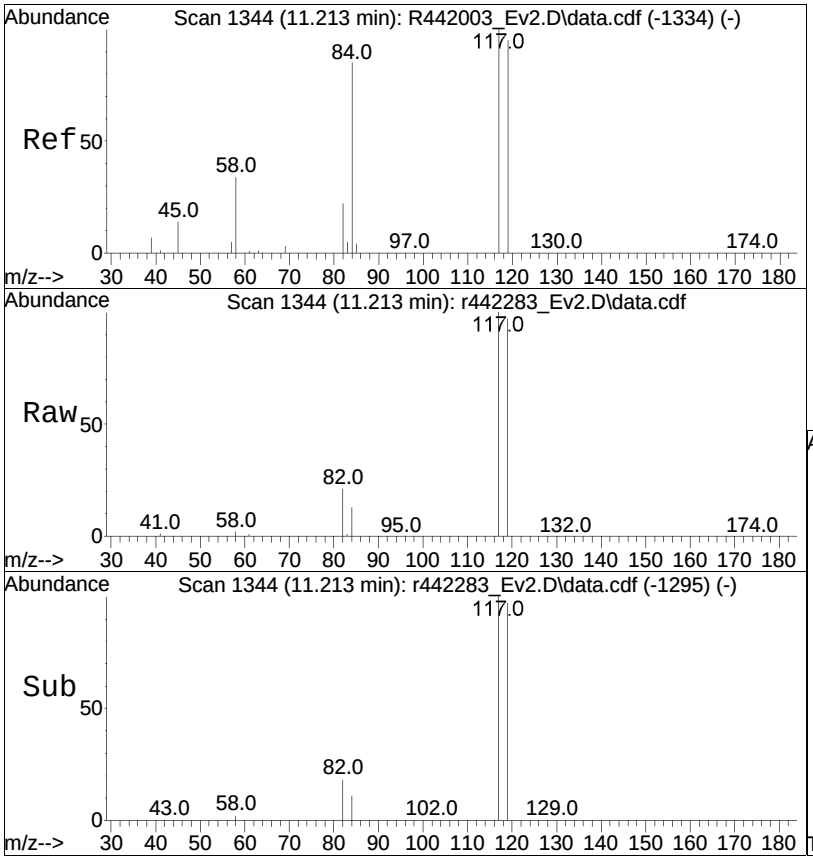


#37
benzene
Concen: 4.91 ppbV
RT: 11.040 min Scan# 1318
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 78 Resp: 445611

Ion	Ratio	Lower	Upper
78	100		
52	16.1	12.8	19.2

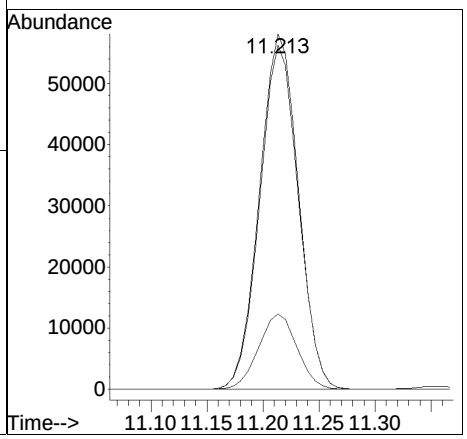


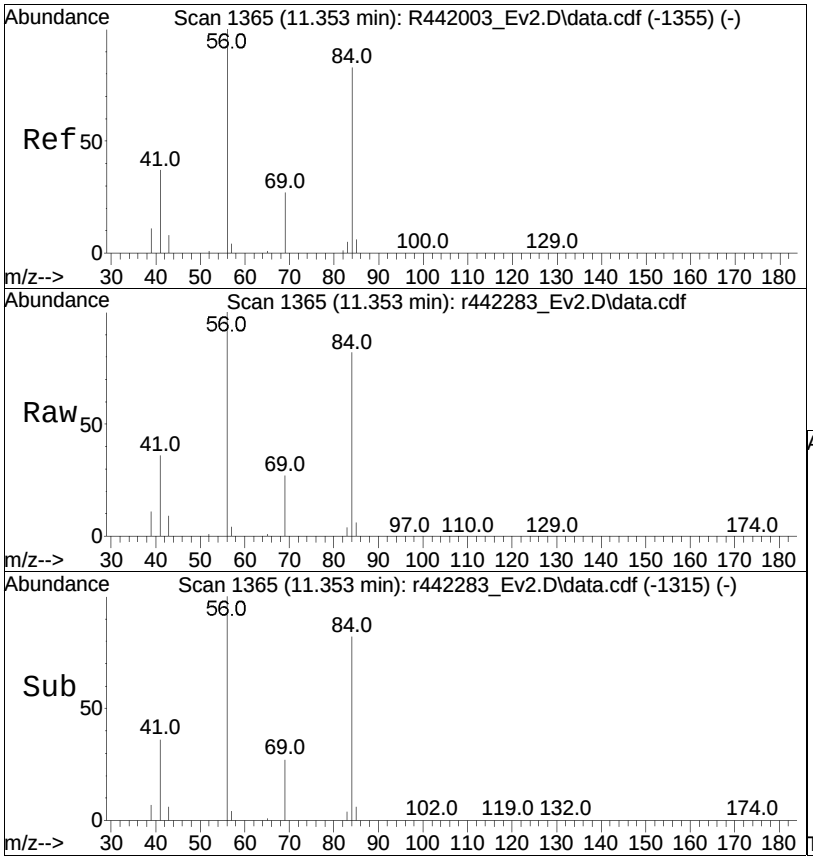


#38
carbon tetrachloride
Concen: 5.84 ppbV
RT: 11.213 min Scan# 1344
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion:117 Resp: 139854

Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.6	113.4
82	21.2	17.9	26.9

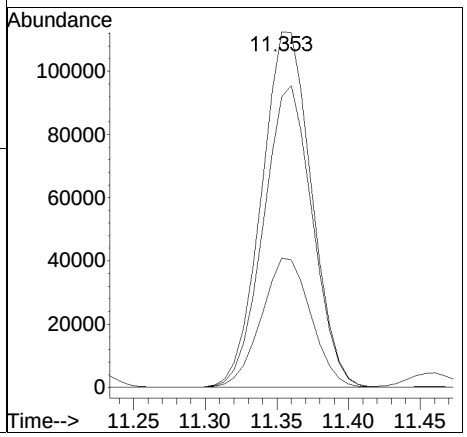


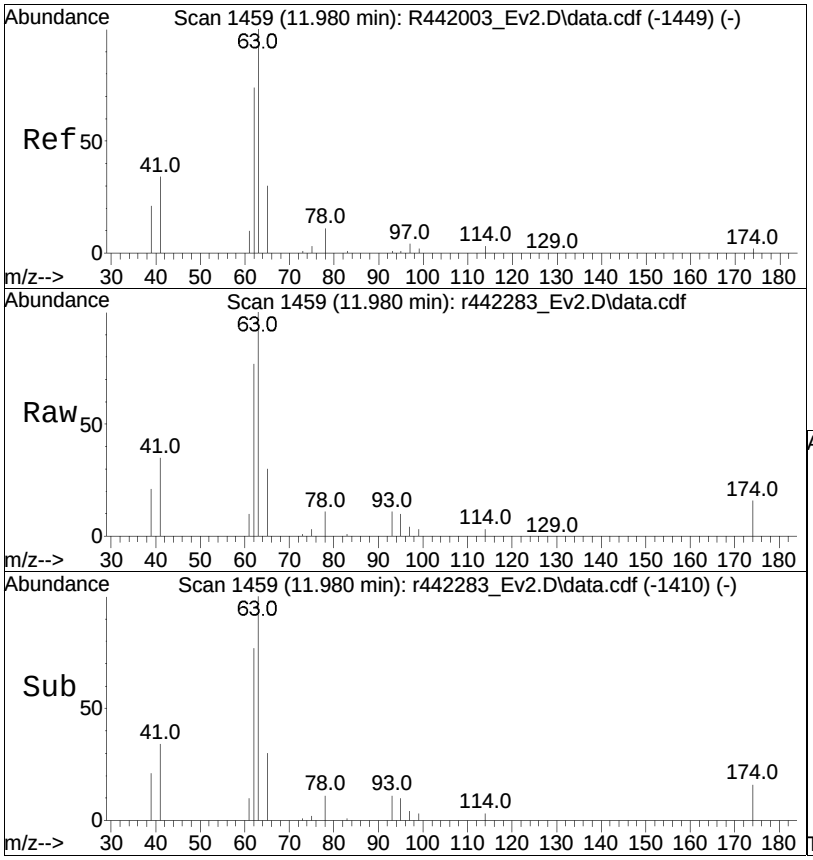


#39
cyclohexane
Concen: 5.65 ppbV
RT: 11.353 min Scan# 1365
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 56 Resp: 272935

Ion	Ratio	Lower	Upper
56	100		
84	81.8	66.3	99.5
41	36.4	29.5	44.3

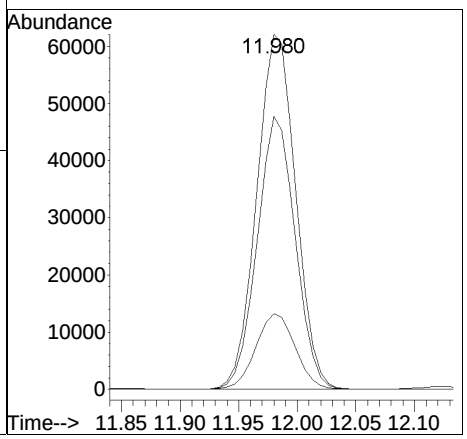


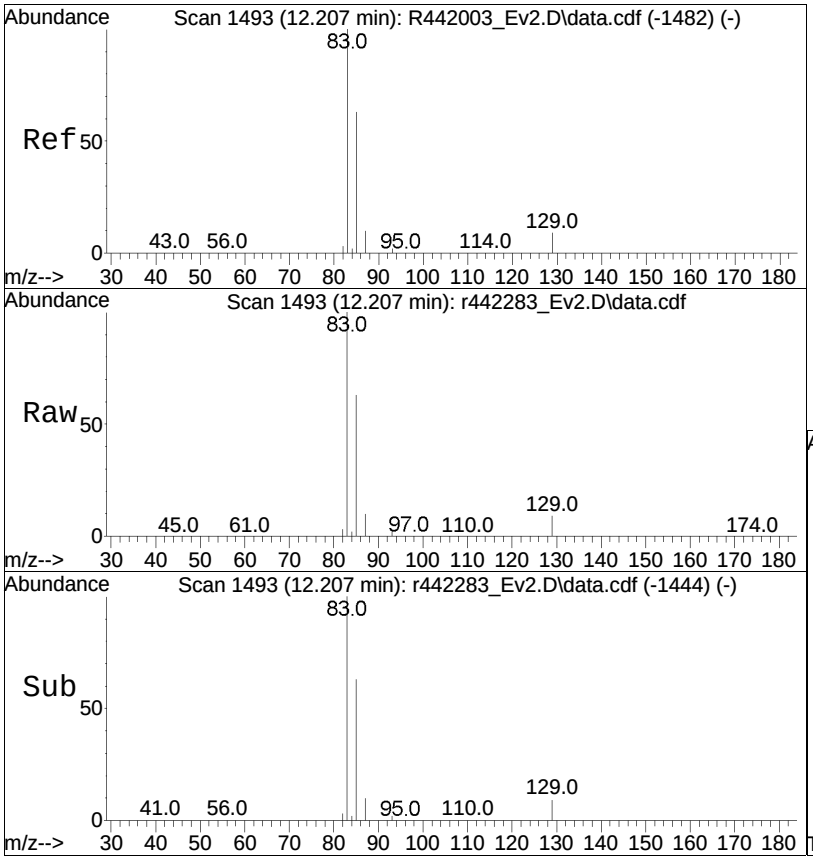


#41
1,2-dichloropropane
Concen: 4.88 ppbV
RT: 11.980 min Scan# 1459
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 63 Resp: 143418

Ion	Ratio	Lower	Upper
63	100		
62	76.8	59.0	88.4
39	21.3	17.1	25.7

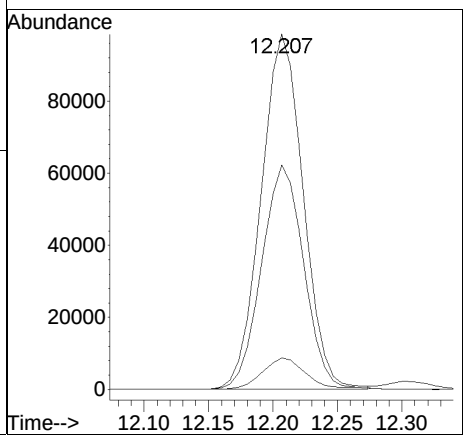


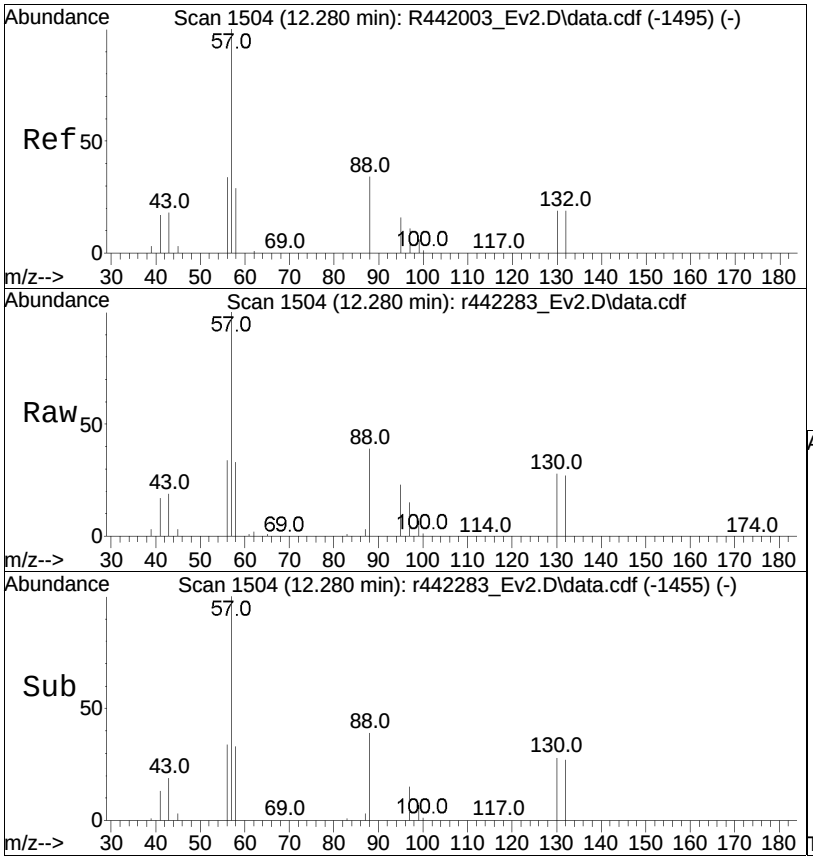


#42
bromodichloromethane
Concen: 5.75 ppbV
RT: 12.207 min Scan# 1493
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 83 Resp: 224012

Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.2	75.2
129	8.9	7.0	10.6

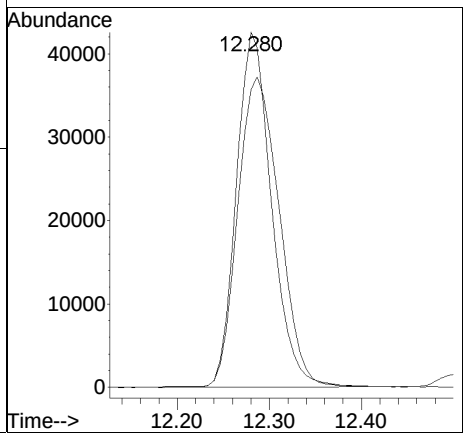


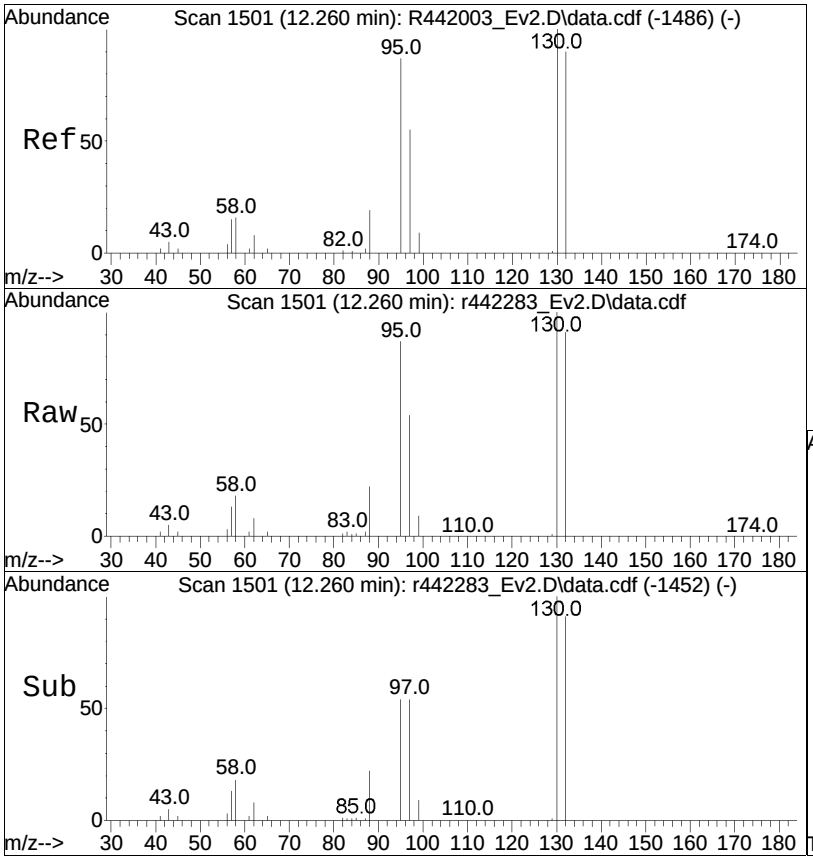


#43
1,4-dioxane
Concen: 5.88 ppbV
RT: 12.280 min Scan# 1504
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 88 Resp: 113027

Ion	Ratio	Lower	Upper
88	100		
58	83.9	67.9	101.9

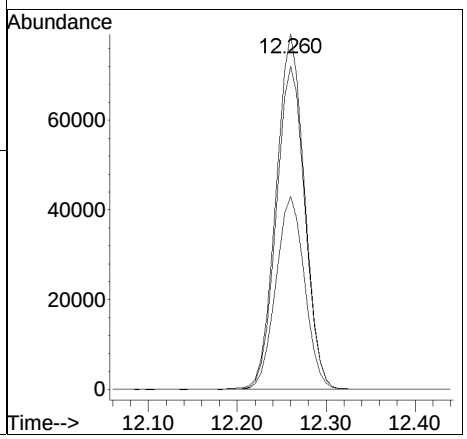


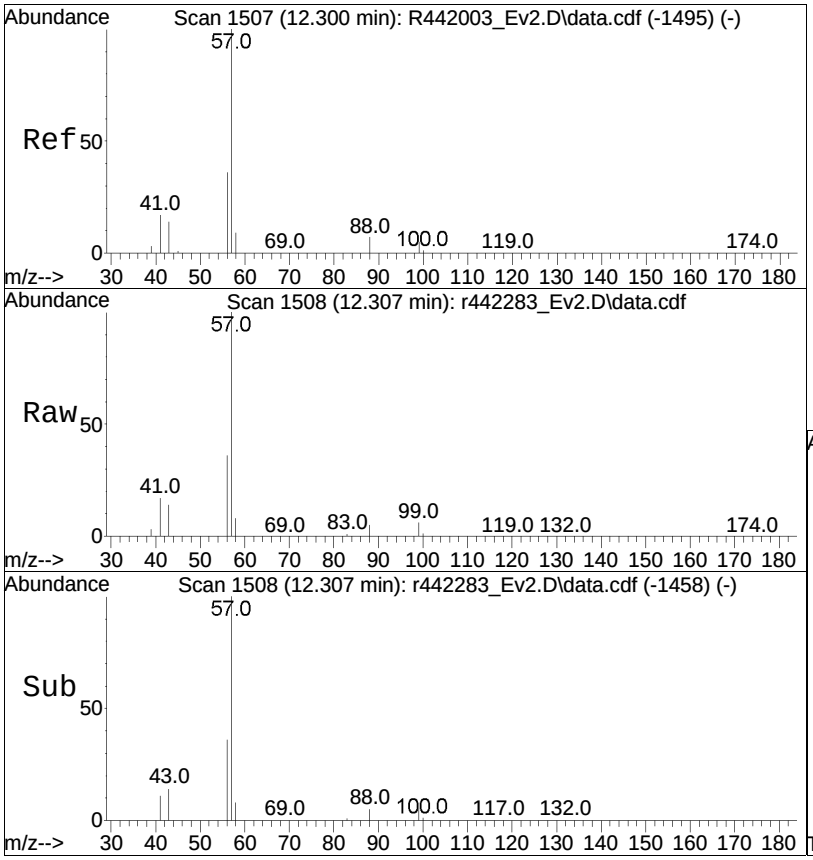


#44
trichloroethene
Concen: 5.05 ppbV
RT: 12.260 min Scan# 1501
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion:130 Resp: 176326

Ion	Ratio	Lower	Upper
130	100		
132	90.9	71.8	107.6
97	54.3	44.2	66.2

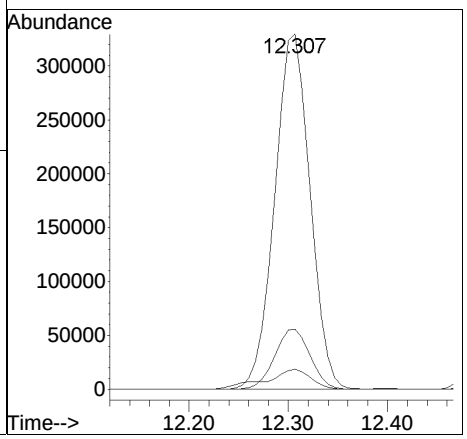


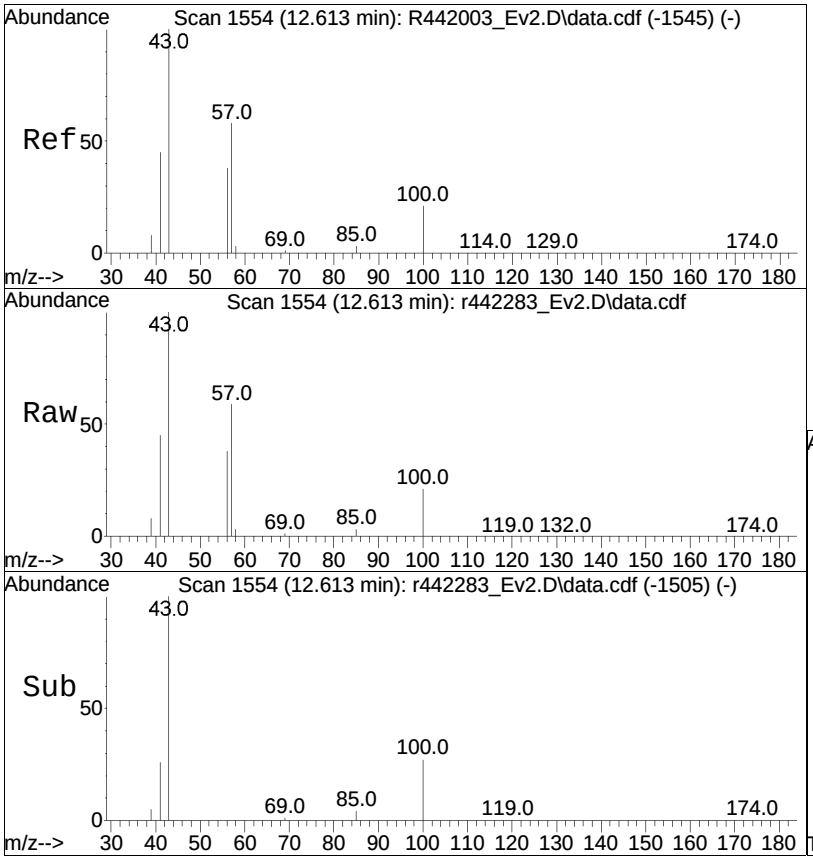


#45
2,2,4-trimethylpentane
Concen: 5.81 ppbV
RT: 12.307 min Scan# 1508
Delta R.T. 0.007 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 57 Resp: 817121

Ion	Ratio	Lower	Upper
57	100		
99	5.7	4.3	6.5
41	17.0	13.8	20.8

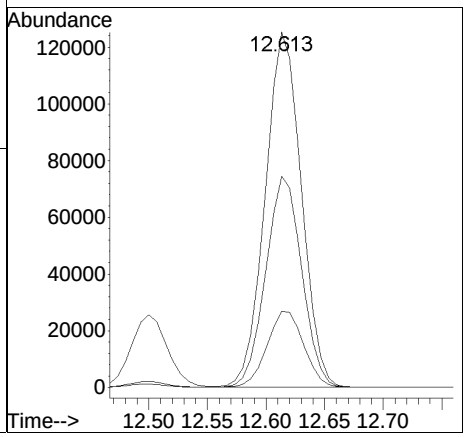


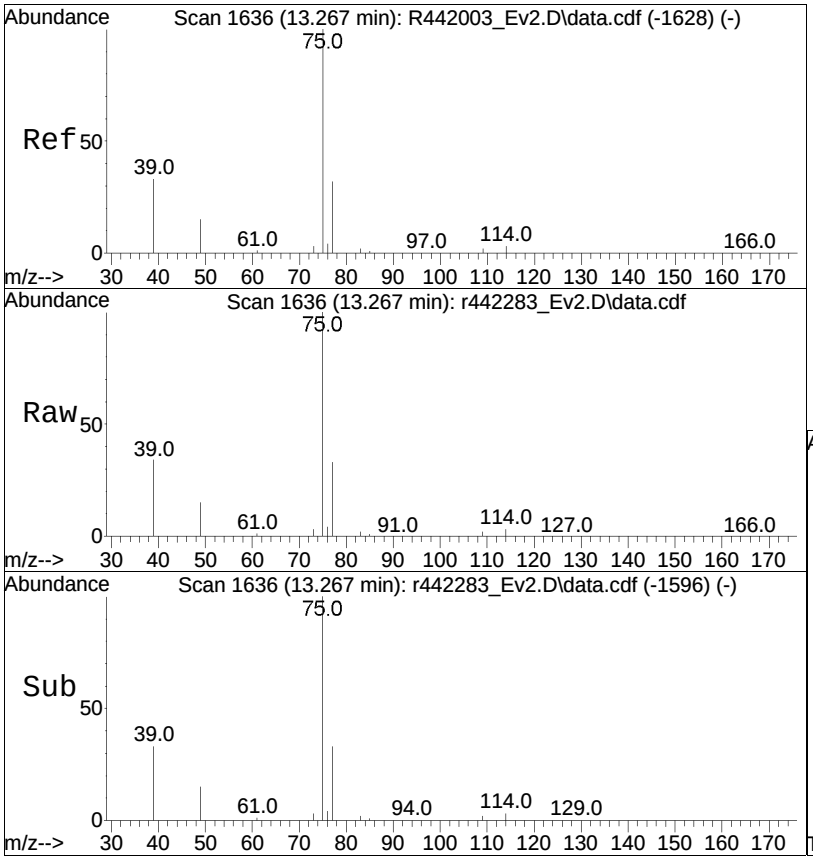


#46
heptane
Concen: 5.87 ppbV
RT: 12.613 min Scan# 1554
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 43 Resp: 268559

Ion	Ratio	Lower	Upper
43	100		
57	59.4	46.6	69.8
100	21.4	16.9	25.3

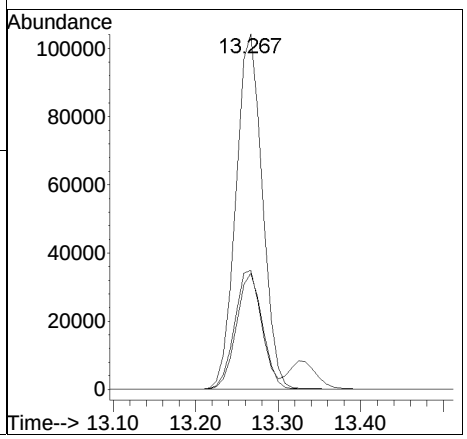


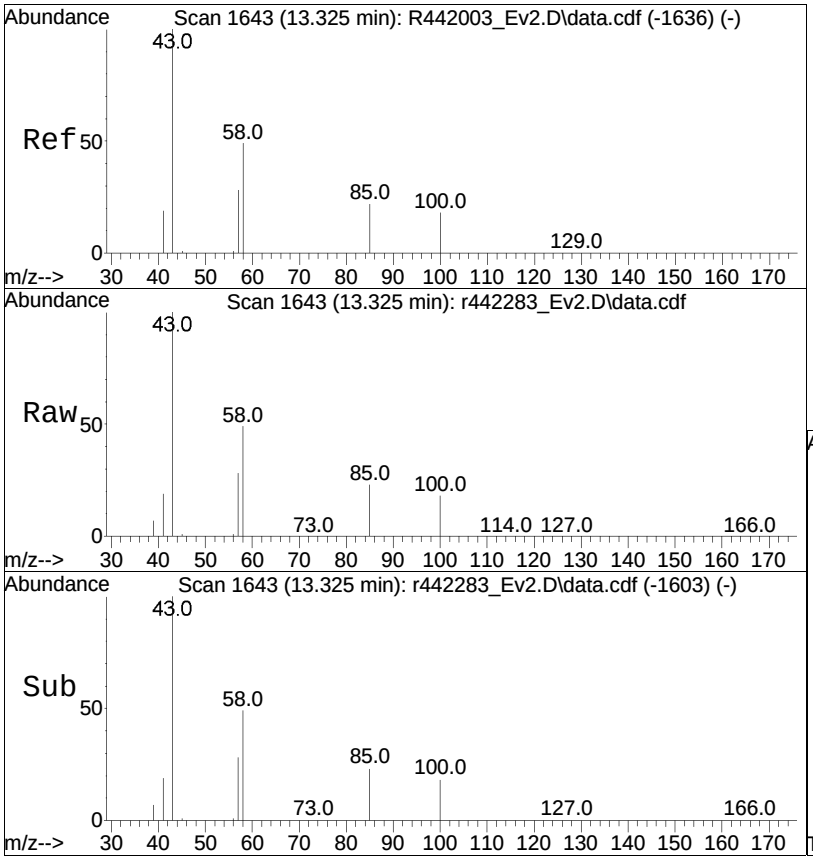


#47
cis-1,3-dichloropropene
Concen: 6.14 ppbV
RT: 13.267 min Scan# 1636
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 75 Resp: 232537

Ion	Ratio	Lower	Upper
75	100		
39	33.5	26.3	39.5
77	32.7	25.9	38.9

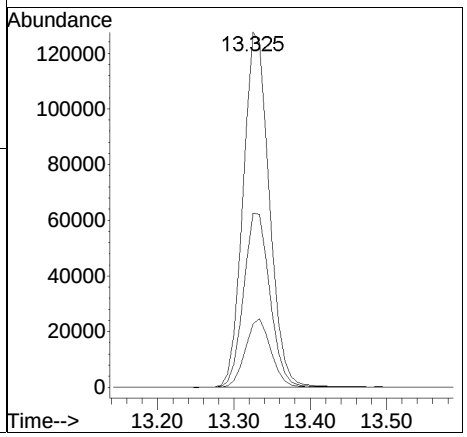


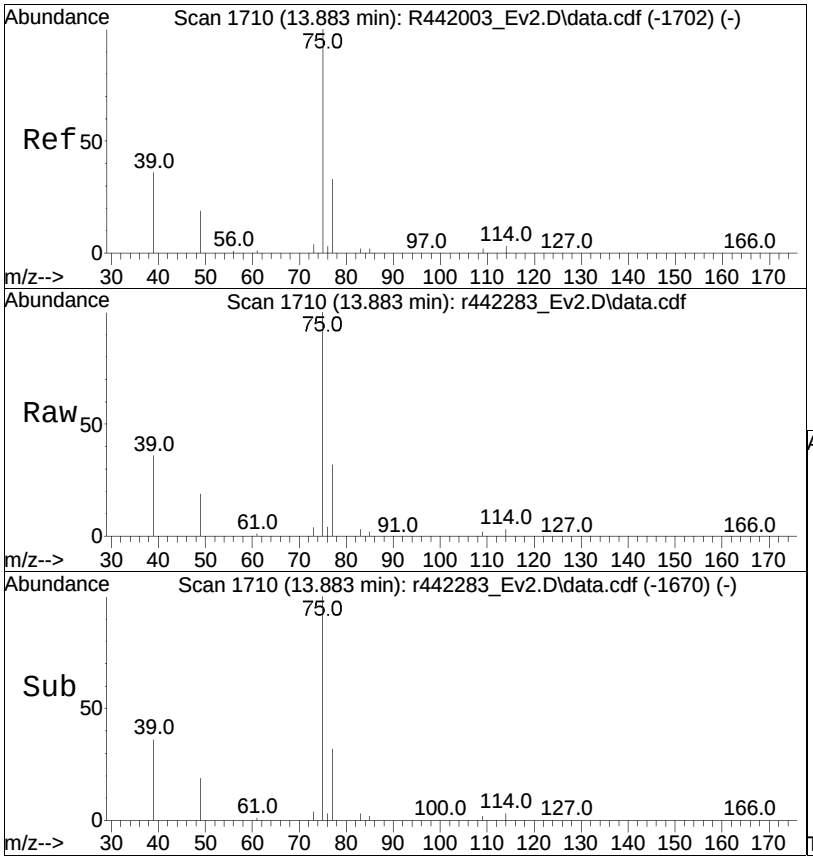


#48
4-methyl-2-pentanone
Concen: 5.70 ppbV
RT: 13.325 min Scan# 1643
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 43 Resp: 303946

Ion	Ratio	Lower	Upper
43	100		
58	49.1	39.2	58.8
100	17.9	14.2	21.2

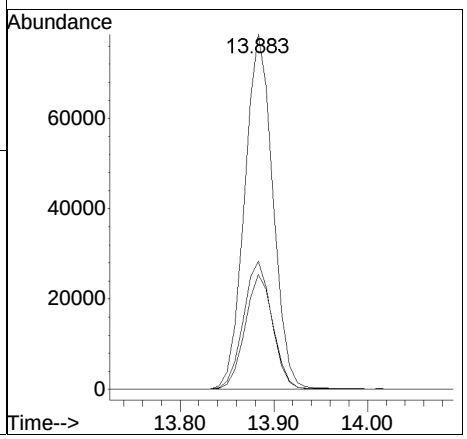


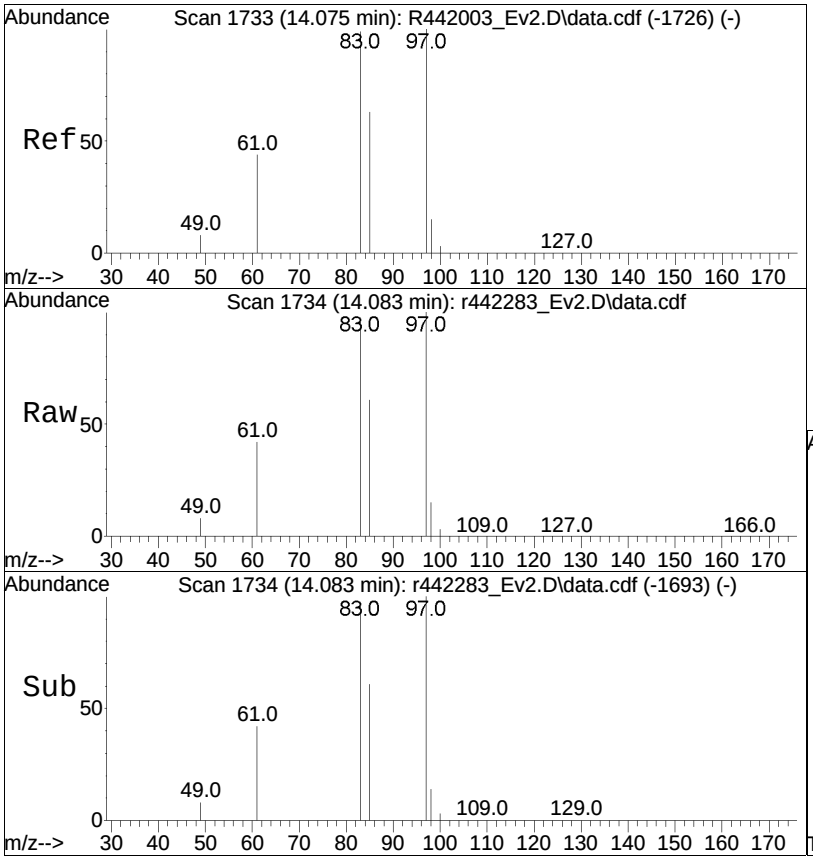


#49
trans-1,3-dichloropropene
Concen: 6.59 ppbV
RT: 13.883 min Scan# 1710
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 75 Resp: 165014

Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.2	39.4
39	36.1	28.6	42.8

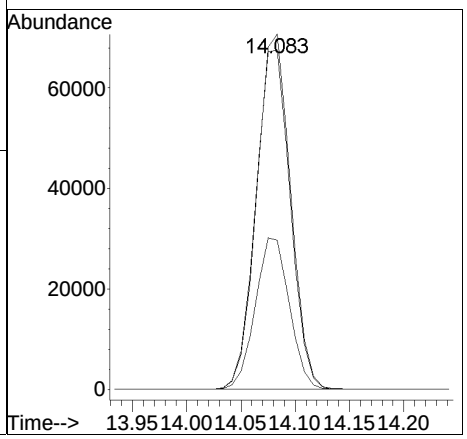


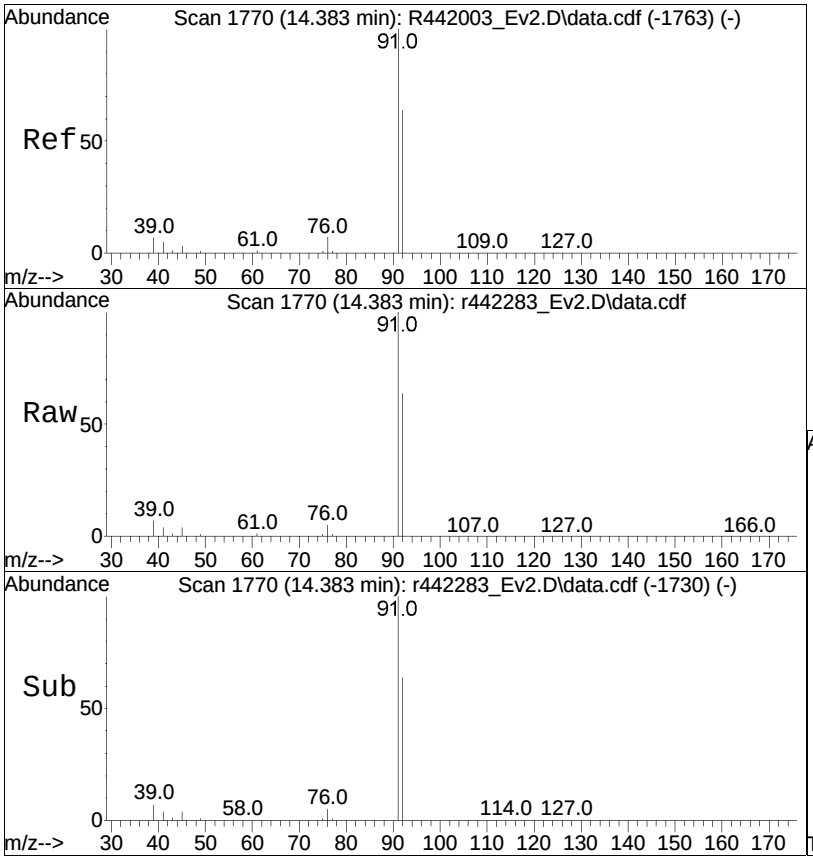


#50
1,1,2-trichloroethane
Concen: 5.10 ppbV
RT: 14.083 min Scan# 1734
Delta R.T. 0.008 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 97 Resp: 153473

Ion	Ratio	Lower	Upper
97	100		
83	95.5	79.4	119.2
61	42.0	35.5	53.3

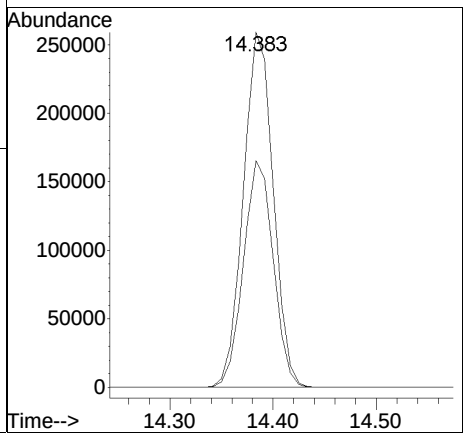


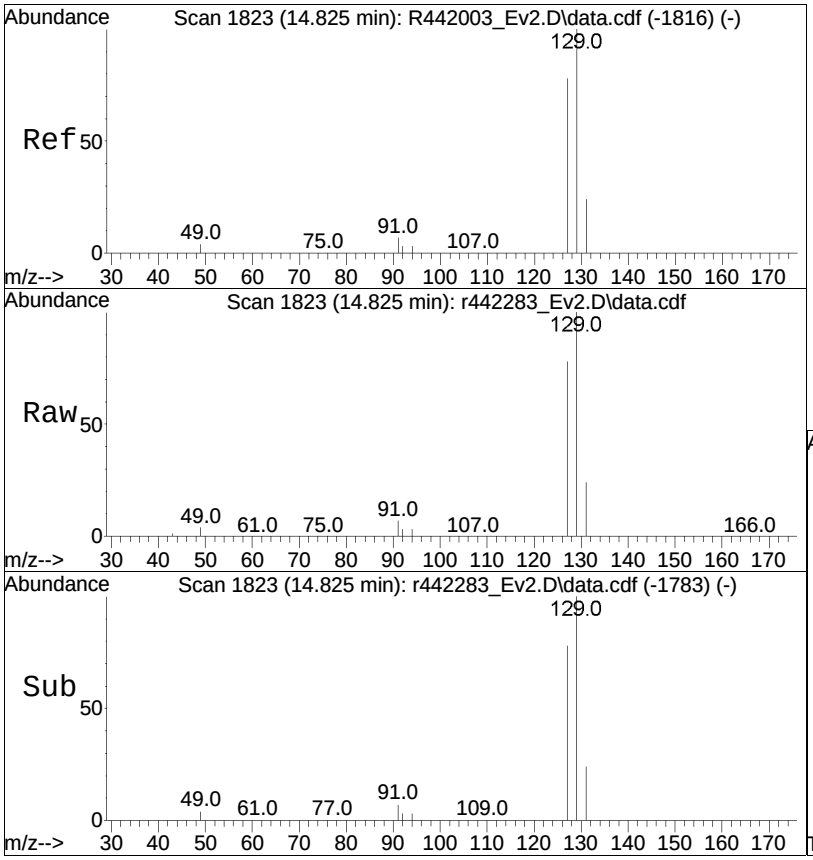


#52
toluene
Concen: 5.21 ppbV
RT: 14.383 min Scan# 1770
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 91 Resp: 521427

Ion	Ratio	Lower	Upper
91	100		
92	63.8	51.0	76.6

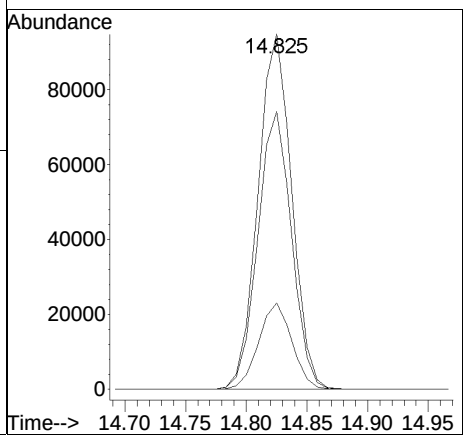


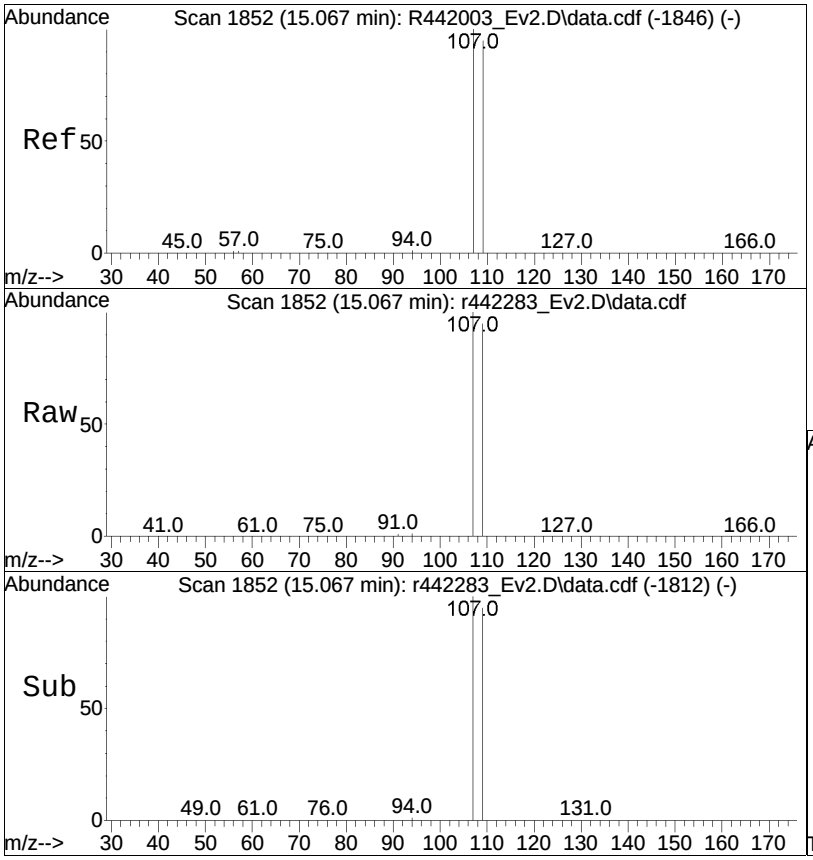


#55
dibromochloromethane
Concen: 5.73 ppbV
RT: 14.825 min Scan# 1823
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion:129 Resp: 183168

Ion	Ratio	Lower	Upper
129	100		
127	78.2	62.3	93.5
131	24.3	19.4	29.0

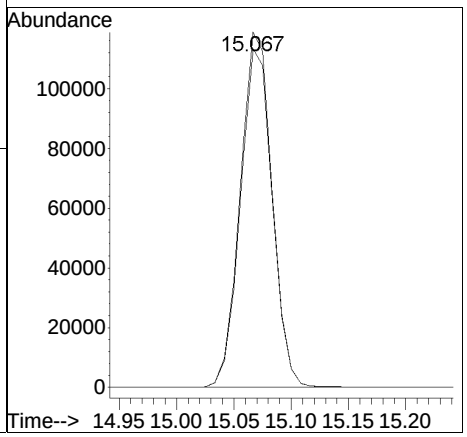


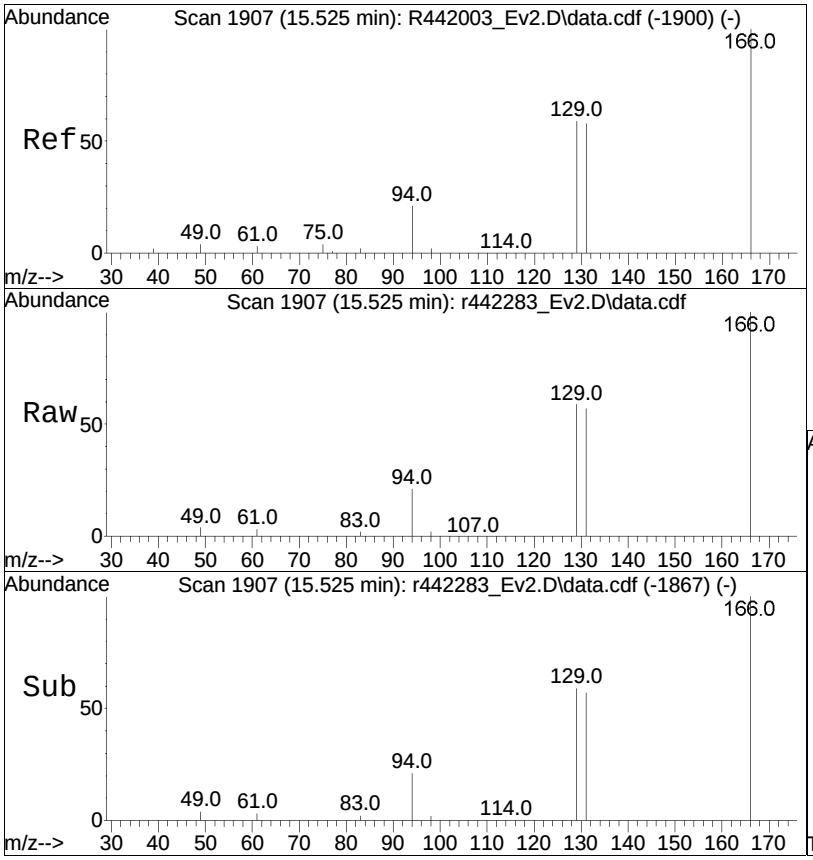


#56
1,2-dibromoethane
Concen: 5.55 ppbV
RT: 15.067 min Scan# 1852
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion:107 Resp: 229625

Ion	Ratio	Lower	Upper
107	100		
109	95.3	76.1	114.1

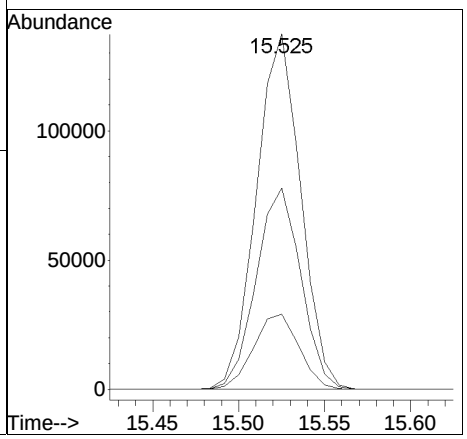


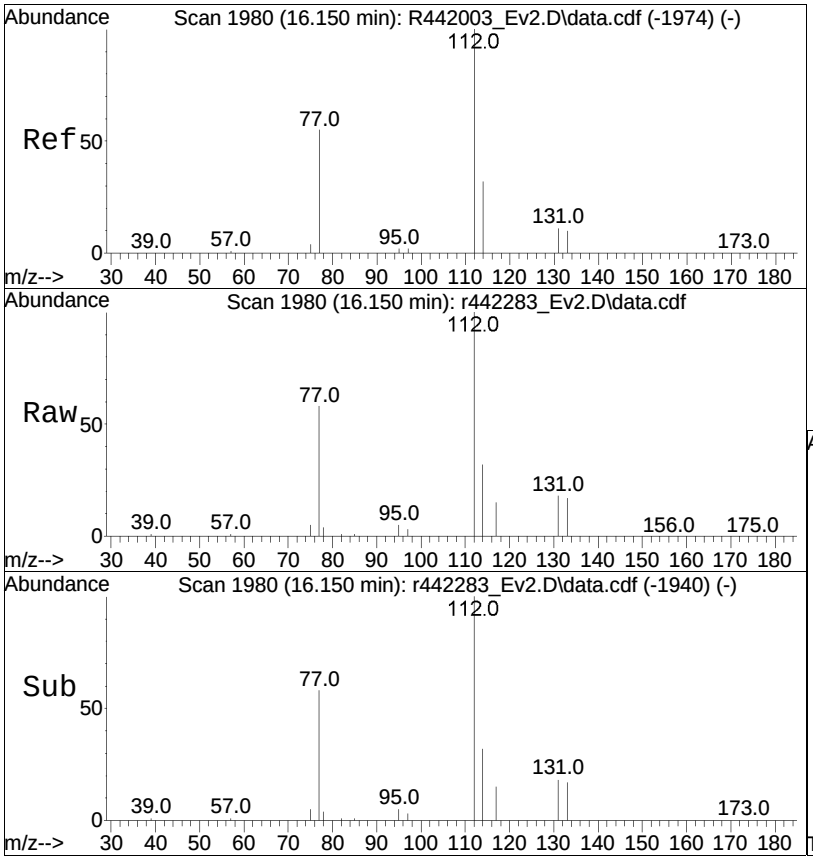


#57
tetrachloroethene
Concen: 5.13 ppbV
RT: 15.525 min Scan# 1907
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion:166 Resp: 246035

Ion	Ratio	Lower	Upper
166	100		
131	56.6	46.2	69.2
94	21.2	17.2	25.8

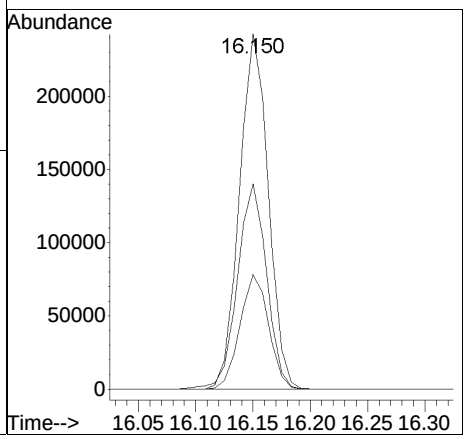


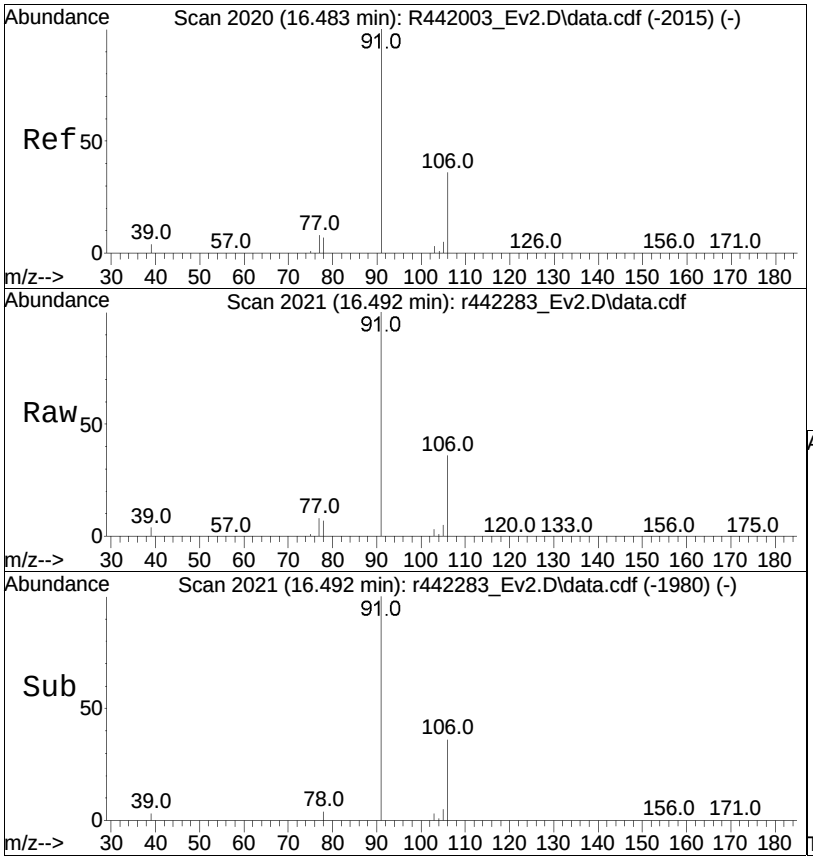


#59
chlorobenzene
Concen: 5.20 ppbV
RT: 16.150 min Scan# 1980
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion:112 Resp: 424262

Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.9	38.9
77	57.9	44.3	66.5

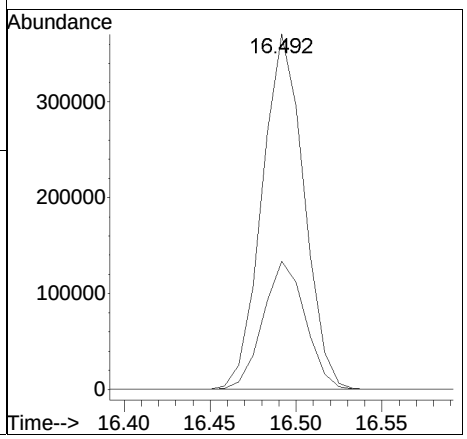


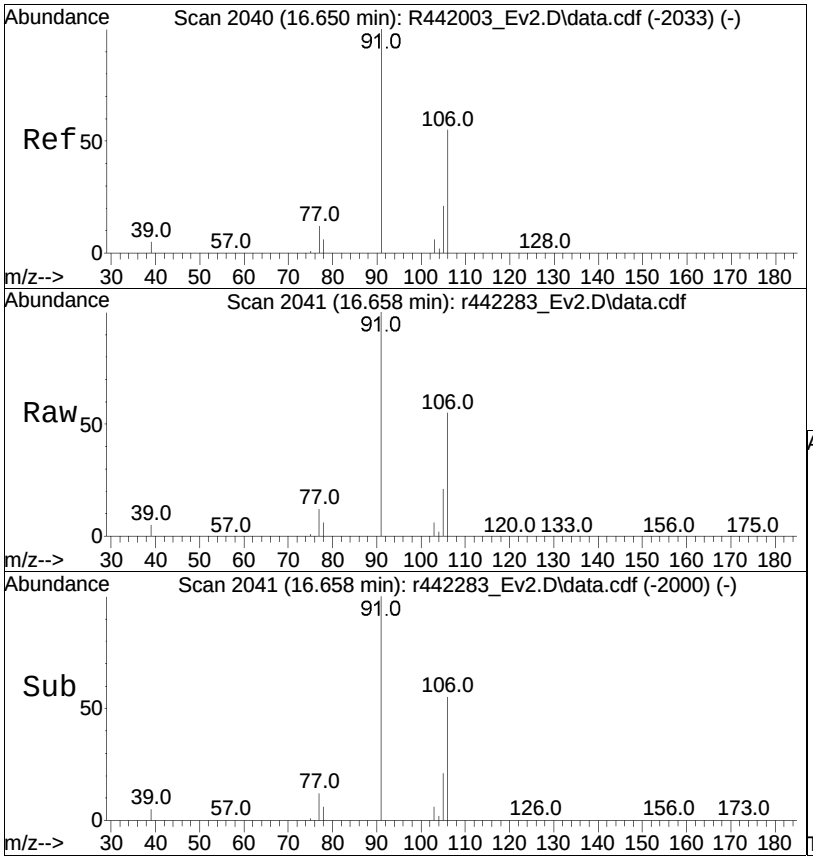


#60
ethylbenzene
Concen: 5.18 ppbV
RT: 16.492 min Scan# 2021
Delta R.T. 0.008 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 91 Resp: 627314

Ion	Ratio	Lower	Upper
91	100		
106	36.1	28.9	43.3

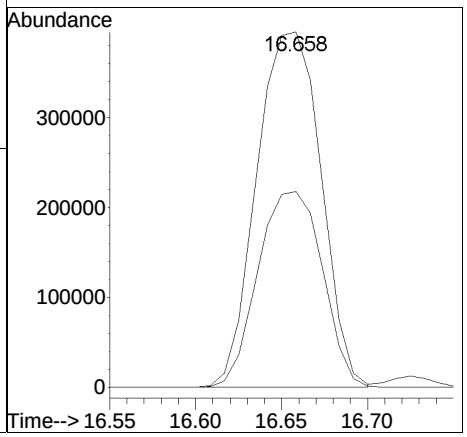


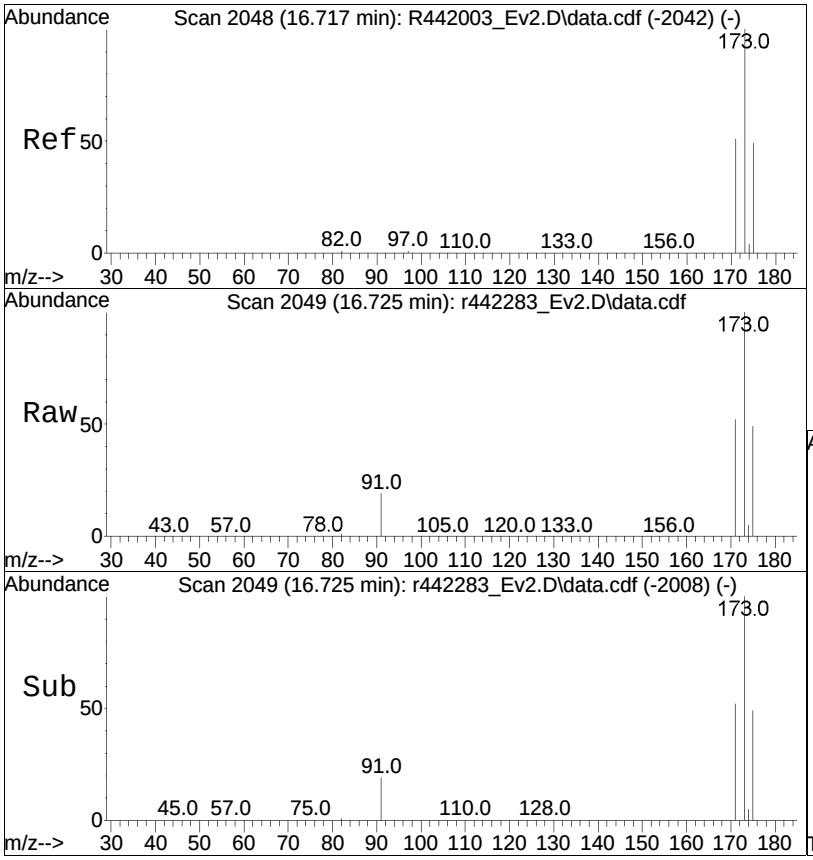


#61
m+p-xylene
Concen: 10.64 ppbV
RT: 16.658 min Scan# 2041
Delta R.T. 0.008 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 91 Resp: 1028122

Ion	Ratio	Lower	Upper
91	100		
106	55.1	43.9	65.9

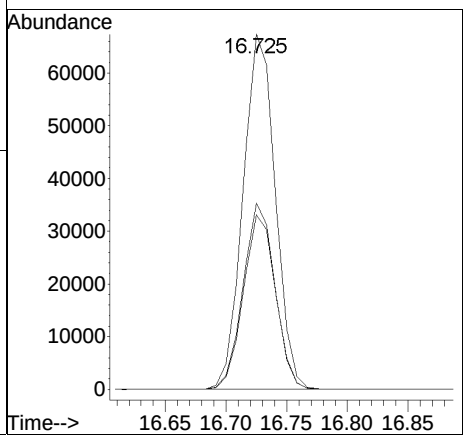


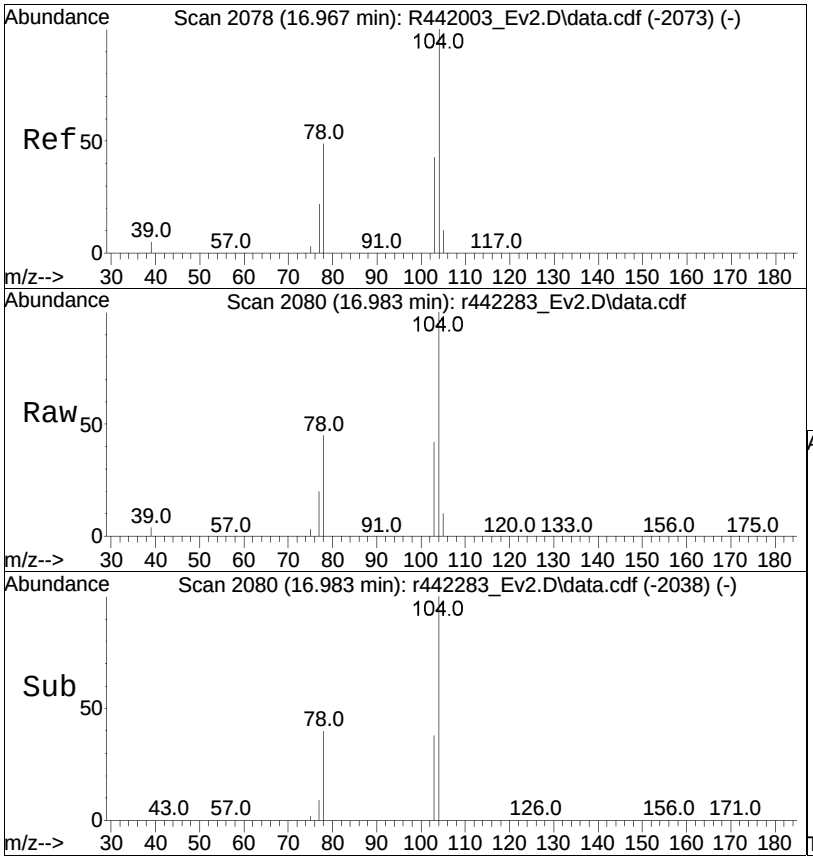


#62
bromoform
Concen: 4.05 ppbV
RT: 16.725 min Scan# 2049
Delta R.T. 0.008 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion:173 Resp: 124554

Ion	Ratio	Lower	Upper
173	100		
175	49.1	39.3	58.9
171	52.5	41.2	61.8

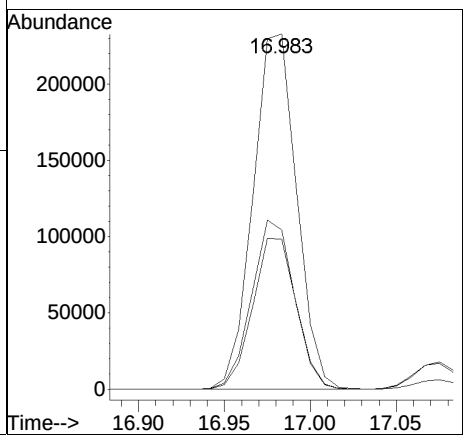


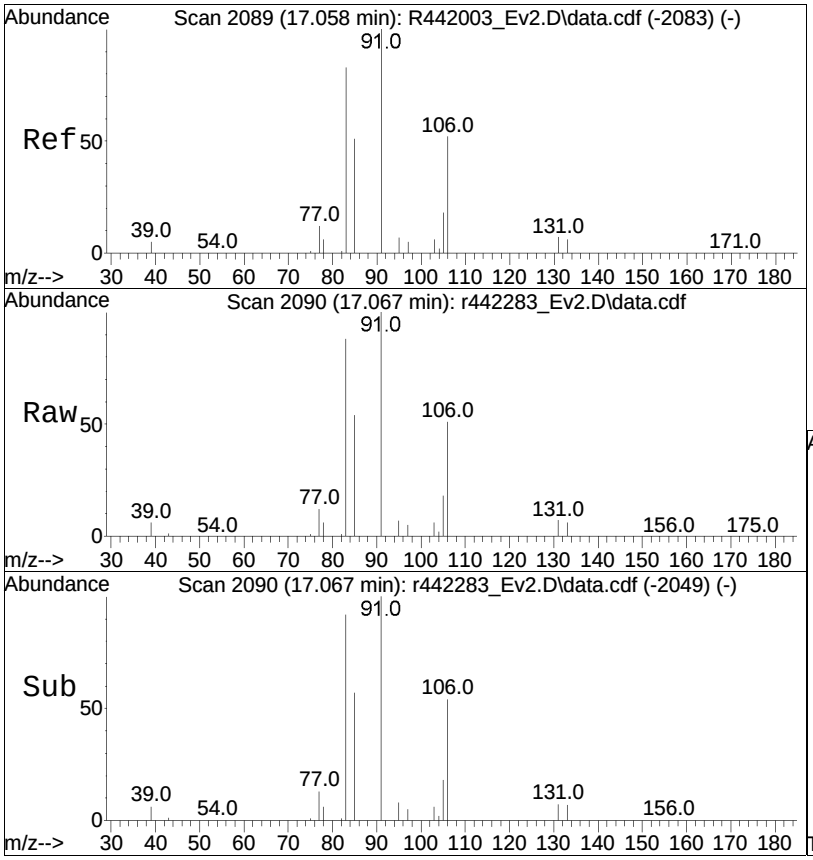


#63
styrene
Concen: 5.50 ppbV
RT: 16.983 min Scan# 2080
Delta R.T. 0.017 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion:104 Resp: 411432

Ion	Ratio	Lower	Upper
104	100		
103	42.3	34.7	52.1
78	44.9	38.9	58.3

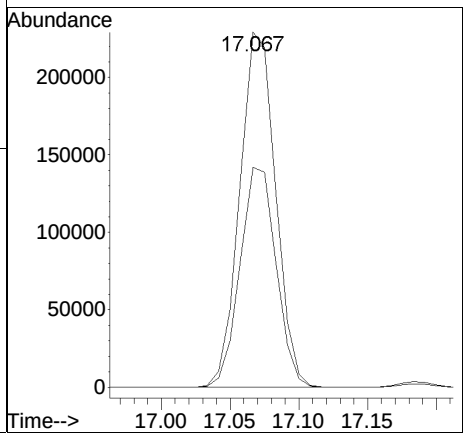


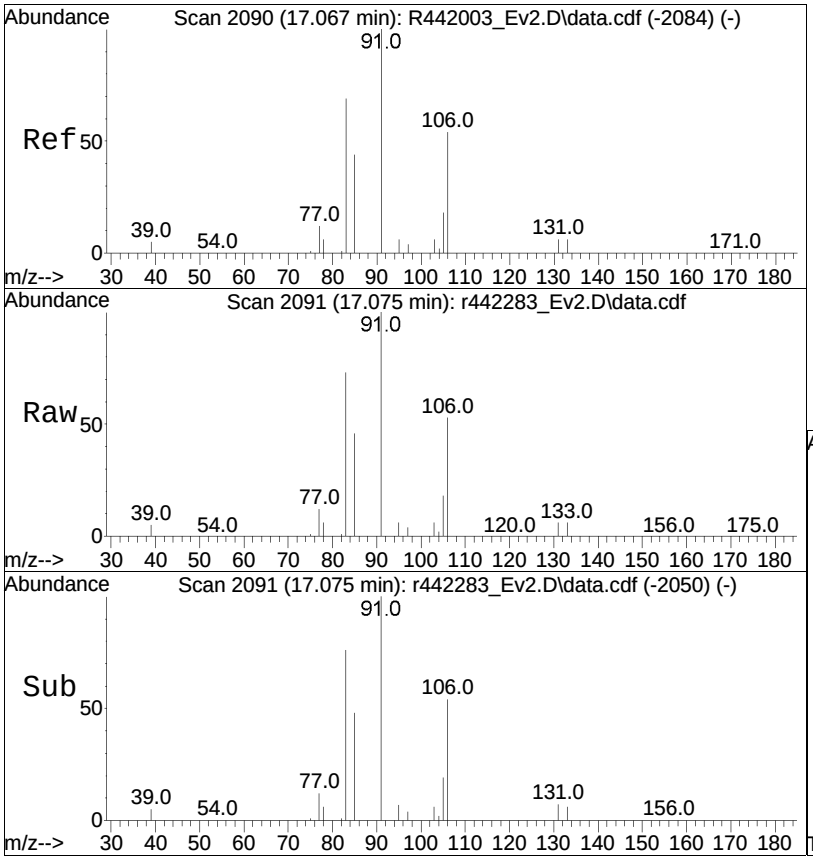


#64
1,1,2,2-tetrachloroethane
Concen: 5.41 ppbV
RT: 17.067 min Scan# 2090
Delta R.T. 0.008 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 83 Resp: 415079

Ion	Ratio	Lower	Upper
83	100		
85	61.9	49.4	74.2

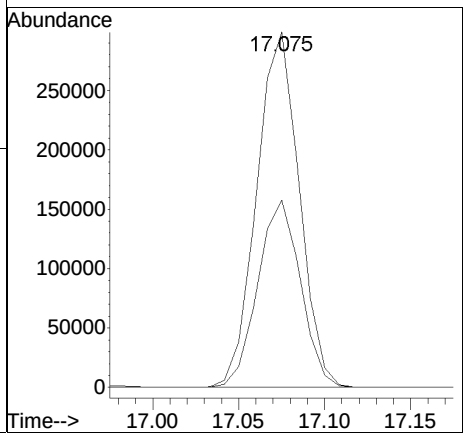


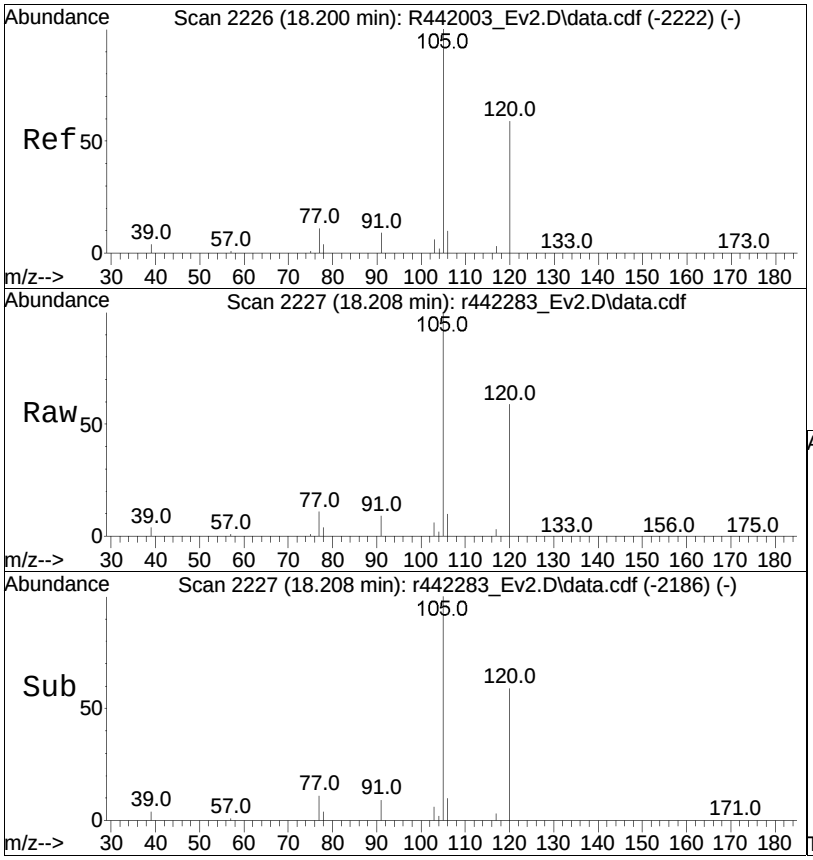


#65
o-xylene
Concen: 5.31 ppbV
RT: 17.075 min Scan# 2091
Delta R.T. 0.008 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 91 Resp: 514381

Ion	Ratio	Lower	Upper
91	100		
106	52.7	43.3	64.9

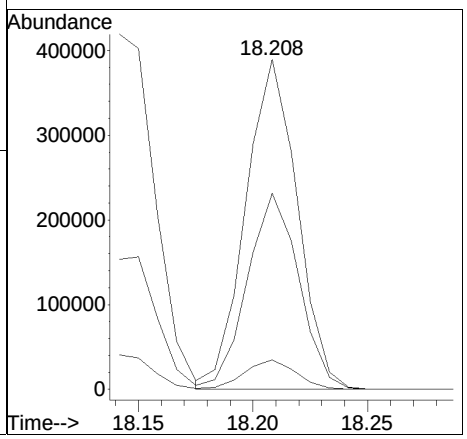


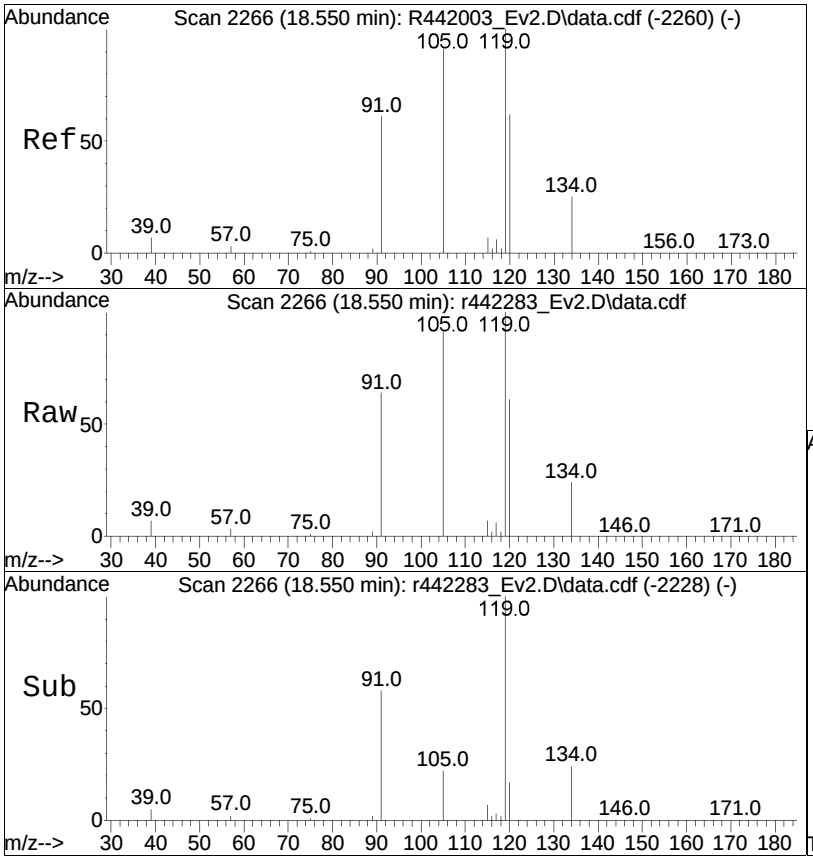


#71
1,3,5-trimethylbenzene
Concen: 5.77 ppbV
RT: 18.208 min Scan# 2227
Delta R.T. 0.008 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion:105 Resp: 608250

Ion	Ratio	Lower	Upper
105	100		
120	59.4	46.7	70.1
91	9.0	7.1	10.7

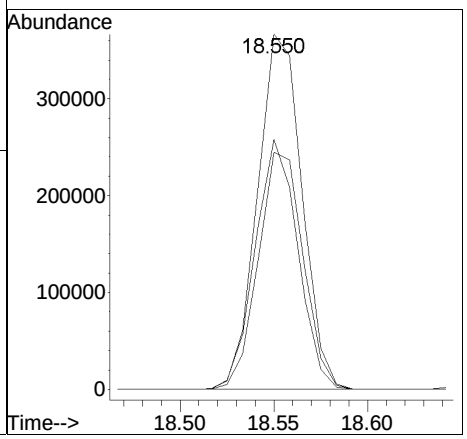


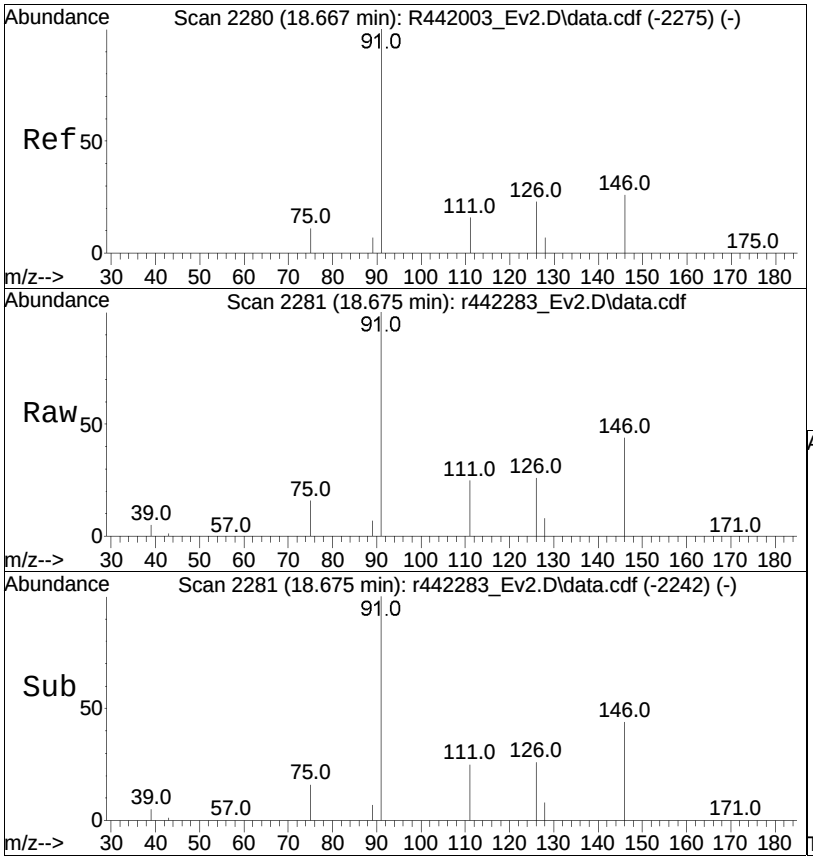


#73
1,2,4-trimethylbenzene
Concen: 5.89 ppbV
RT: 18.550 min Scan# 2266
Delta R.T. 0.000 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion:105 Resp: 605100

Ion	Ratio	Lower	Upper
105	100		
120	66.7	54.8	82.2
91	70.3	54.0	81.0

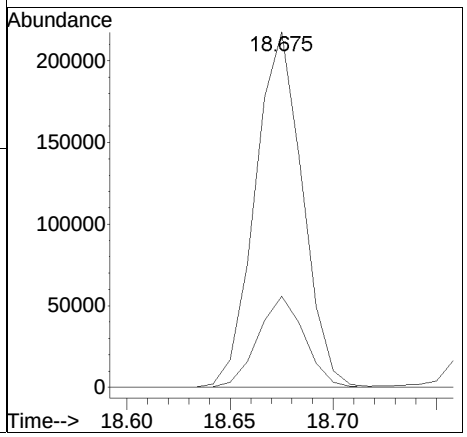


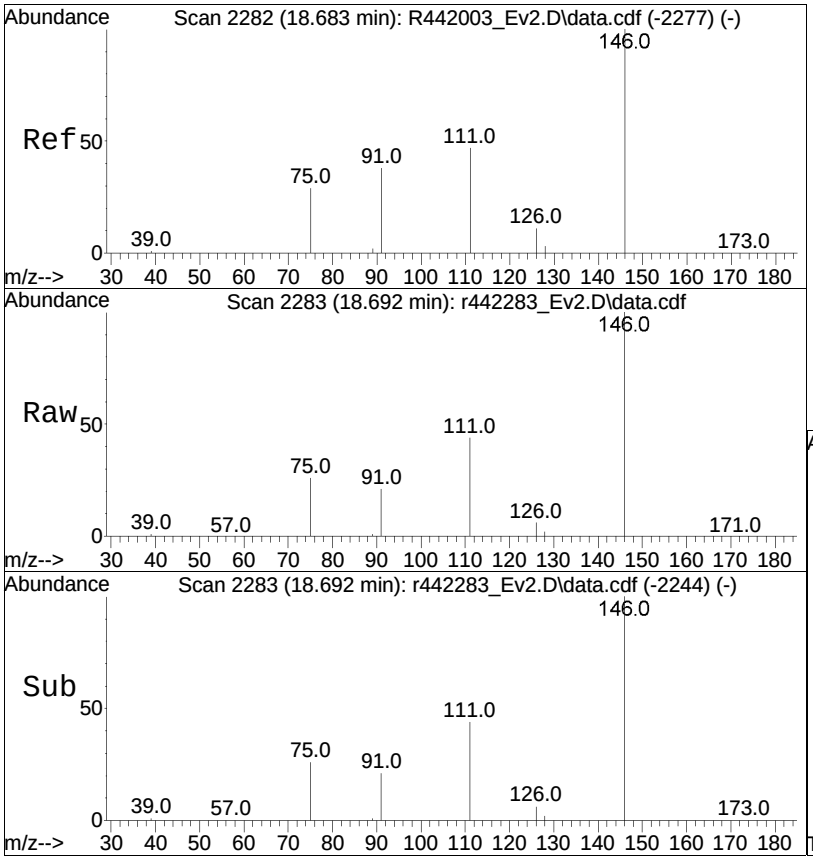


#74
Benzyl Chloride
Concen: 6.14 ppbV
RT: 18.675 min Scan# 2281
Delta R.T. 0.008 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion: 91 Resp: 346015

Ion	Ratio	Lower	Upper
91	100		
126	25.7	18.6	27.8

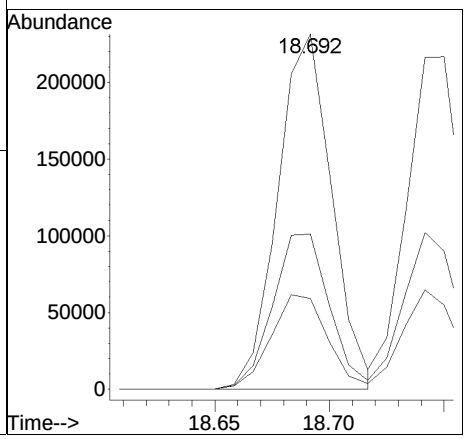


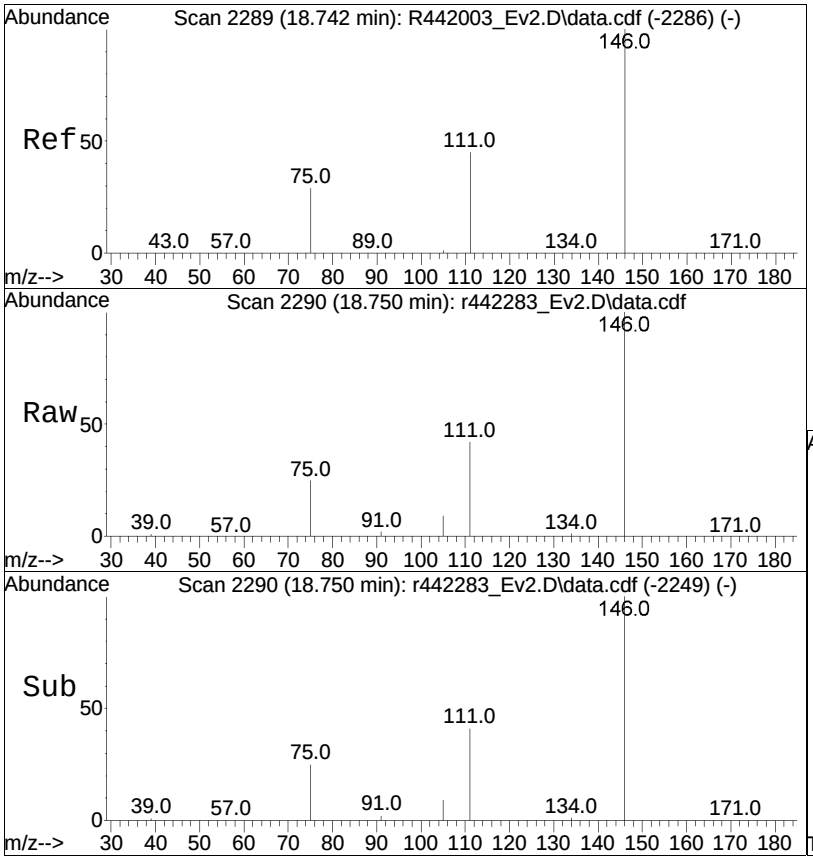


#75
1,3-dichlorobenzene
Concen: 5.78 ppbV
RT: 18.692 min Scan# 2283
Delta R.T. 0.008 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion:146 Resp: 378945

Ion	Ratio	Lower	Upper
146	100		
111	43.7	38.0	57.0
75	25.6	23.4	35.0

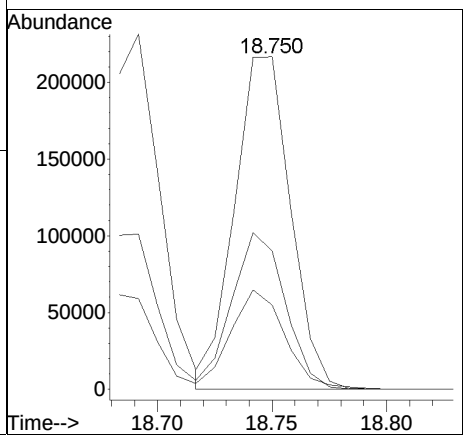


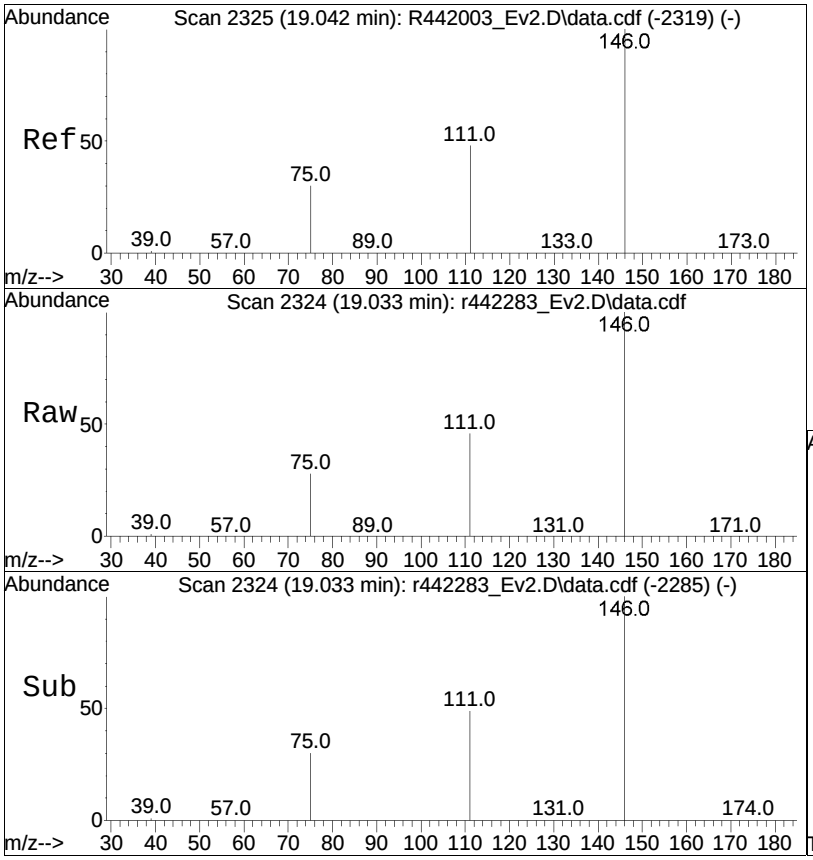


#76
1,4-dichlorobenzene
Concen: 5.92 ppbV
RT: 18.750 min Scan# 2290
Delta R.T. 0.008 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion:146 Resp: 367424

Ion	Ratio	Lower	Upper
146	100		
111	41.6	36.9	55.3
75	25.4	23.8	35.6

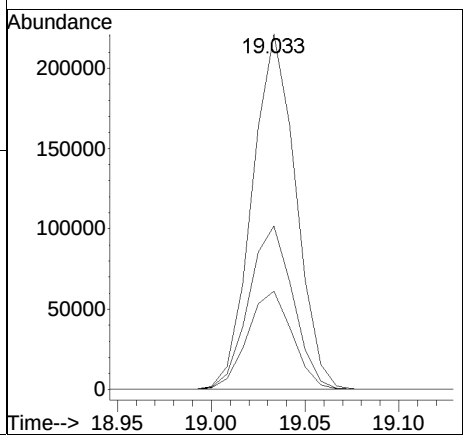


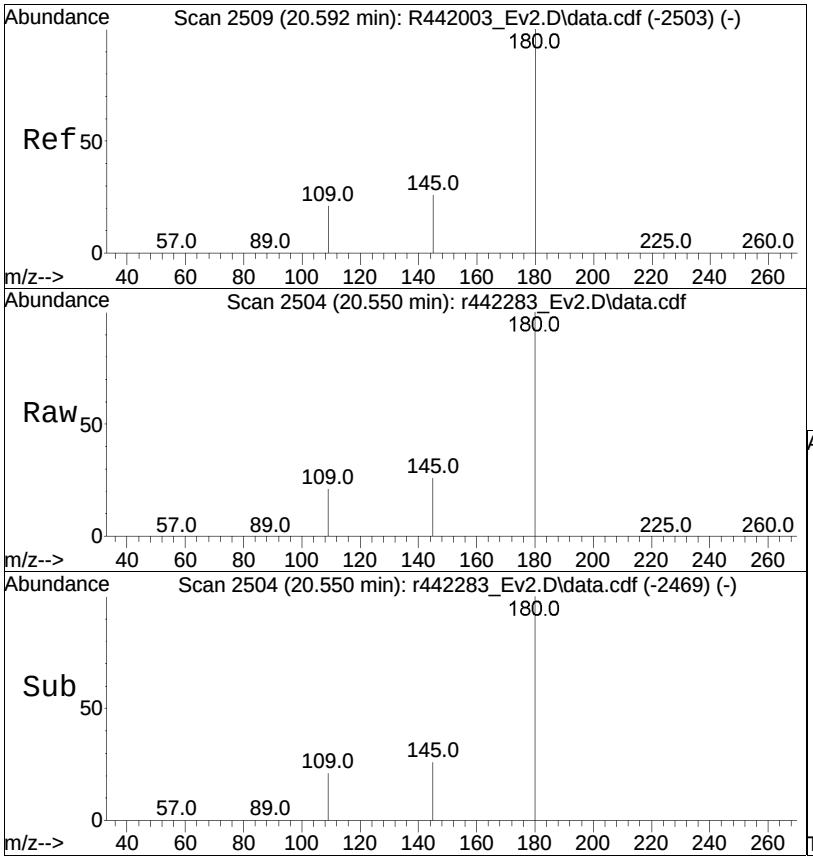


#79
1,2-dichlorobenzene
Concen: 5.64 ppbV
RT: 19.033 min Scan# 2324
Delta R.T. -0.008 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion:146 Resp: 357924

Ion	Ratio	Lower	Upper
146	100		
111	46.0	38.4	57.6
75	27.6	23.8	35.6

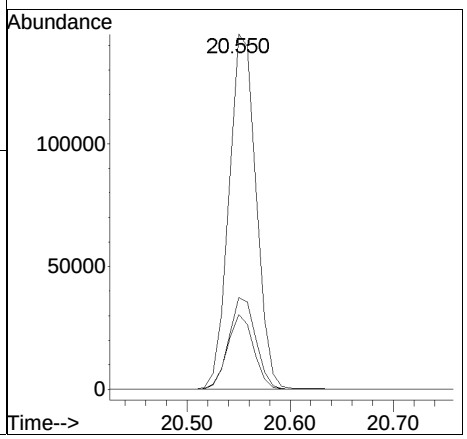


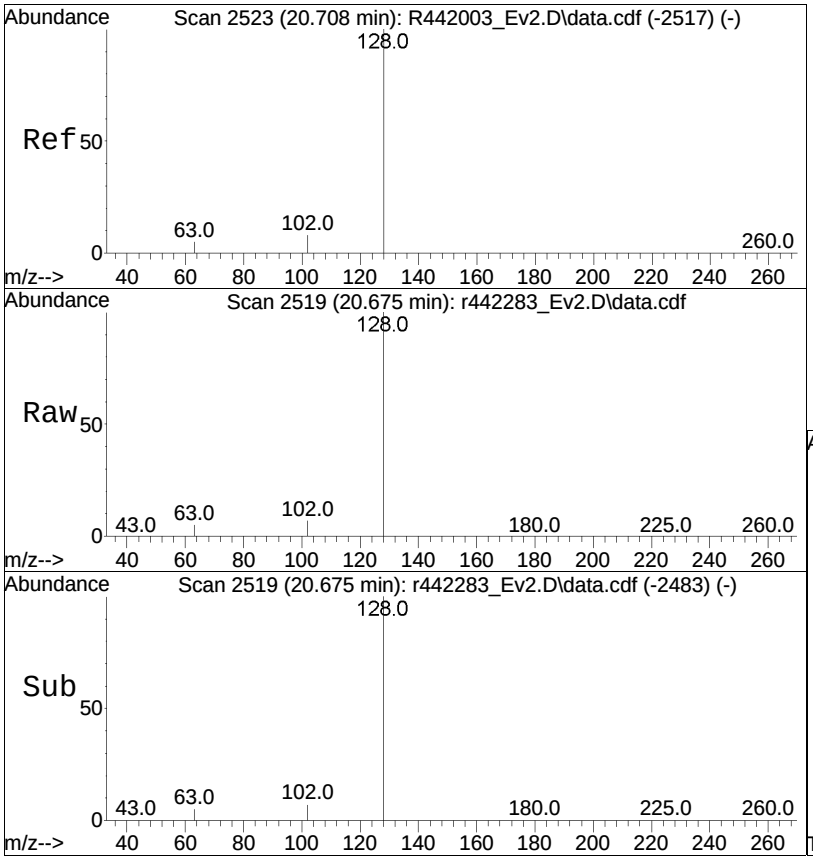


#82
1,2,4-trichlorobenzene
Concen: 6.48 ppbV
RT: 20.550 min Scan# 2504
Delta R.T. -0.042 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion:180 Resp: 264585

Ion	Ratio	Lower	Upper
180	100		
145	25.9	20.8	31.2
109	21.1	16.6	24.8

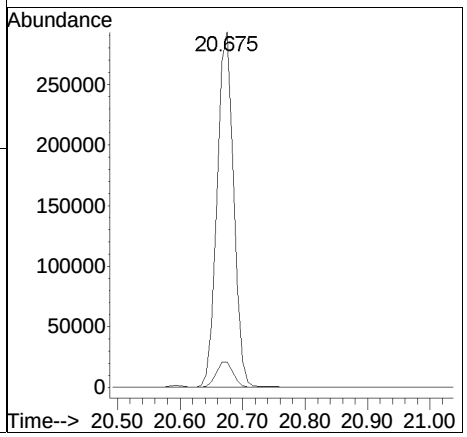


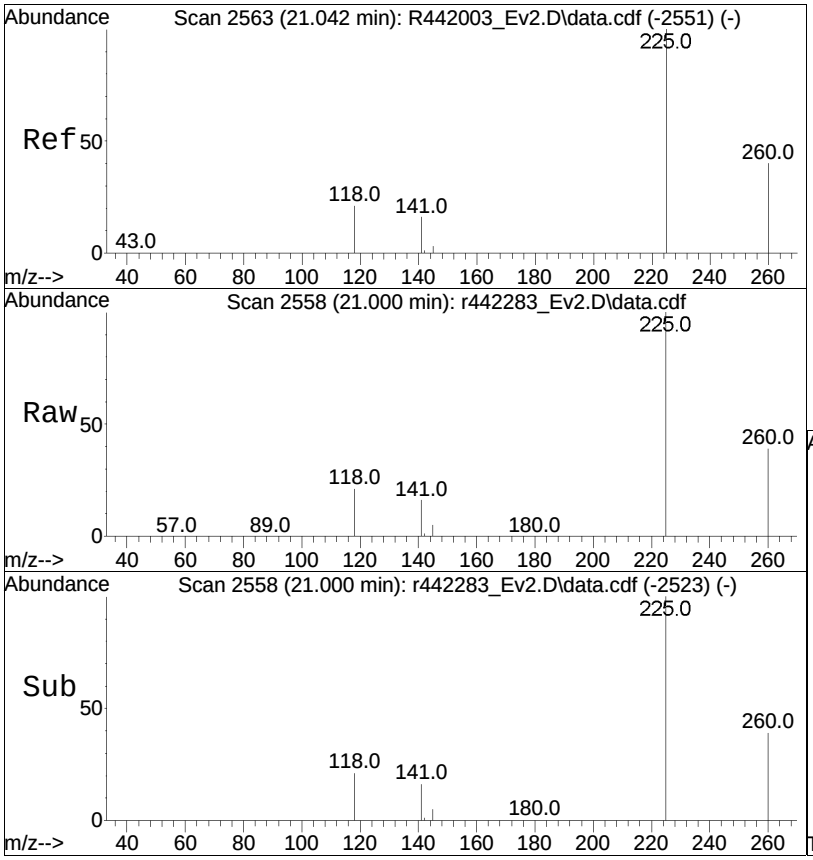


#83
naphthalene
Concen: 5.59 ppbV
RT: 20.675 min Scan# 2519
Delta R.T. -0.033 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion:128 Resp: 542055

Ion	Ratio	Lower	Upper
128	100		
102	7.2	6.2	9.4

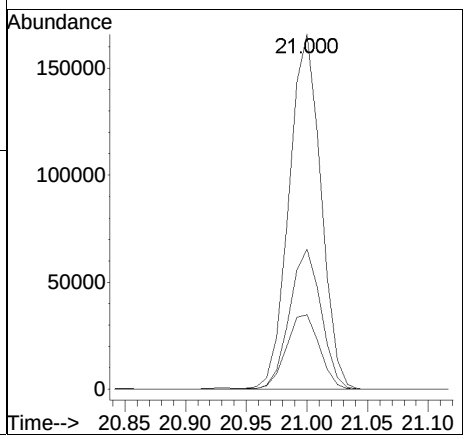




#85
hexachlorobutadiene
Concen: 5.63 ppbV
RT: 21.000 min Scan# 2558
Delta R.T. -0.042 min
Lab File: r442283_Ev2.D
Acq: 3 Feb 2026 2:28 PM

Tgt Ion:225 Resp: 303601

Ion	Ratio	Lower	Upper
225	100		
260	39.5	31.7	47.5
118	21.0	16.7	25.1



Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2026\02\0203SIM\
Data File : r1653977_Ev2.D
Acq On : 3 Feb 2026 12:34 PM
Operator : AIRLAB16:TPH
Sample : WG2171920-3,3,250,250
Misc : WG2171920,ICAL22879
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 03 13:54:56 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\02\0203SIM\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 08:56:04 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\02\0203SIM\r1653977_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	9.100	49	206599	10.000	ppbV	#	0.03
Standard Area = 206599			Recovery = 100.00%				
33) 1,4-difluorobenzene	11.313	114	553890	10.000	ppbV		0.03
Standard Area = 553890			Recovery = 100.00%				
51) chlorobenzene-D5	15.983	54	72598	10.000	ppbV		0.02
Standard Area = 72598			Recovery = 100.00%				
System Monitoring Compounds							
Target Compounds							Qvalue
3) dichlorodifluoromethane	4.006	85	130163	5.170	ppbV		98
4) chloromethane	4.174	50	86534	5.890	ppbV		95
5) Freon-114	4.288	85	175987	5.591	ppbV		92
6) vinyl chloride	4.408	62	74104	5.688	ppbV		96
8) bromomethane	4.834	94	63211	6.034	ppbV		97
9) chloroethane	5.020	64	32127	5.520	ppbV		90
10) ethanol	5.176	31	219027M3	22.094	ppbV		
14) trichlorofluoromethane	5.860	101	128791	5.835	ppbV		99
17) 1,1-dichloroethene	6.558	61	106221	6.253	ppbV		95
18) tertiary butyl alcohol	6.618	59	99706	5.496	ppbV	#	88
19) methylene chloride	6.702	49	95263	5.532	ppbV		98
22) Freon 113	7.002	101	163491	6.426	ppbV		90
23) trans-1,2-dichloroethene	7.742	61	103199	6.577	ppbV		99
24) 1,1-dichloroethane	7.967	63	136826	6.484	ppbV		99
25) MTBE	8.033	73	179923	5.698	ppbV		97
27) 2-butanone	8.408	43	182610	7.048	ppbV		97
28) cis-1,2-dichloroethene	8.908	61	101772	6.298	ppbV		99
30) chloroform	9.250	83	126877	5.156	ppbV		98
32) 1,2-dichloroethane	10.083	62	72262	5.870	ppbV		93
34) hexane	9.158	57	123322	5.297	ppbV	#	70
36) 1,1,1-trichloroethane	10.367	97	108702	6.360	ppbV		99
37) benzene	10.893	78	255583	5.119	ppbV		98
38) carbon tetrachloride	11.060	117	102467	6.442	ppbV		97
39) cyclohexane	11.200	56	131705	5.773	ppbV	#	91
41) 1,2-dichloropropane	11.833	63	102880	7.006	ppbV		96
42) bromodichloromethane	12.060	83	130566	6.104	ppbV		97
43) 1,4-dioxane	12.093	88	53760	5.986	ppbV		97
44) trichloroethene	12.113	130	124863	6.118	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2026\02\0203SIM\
Data File : r1653977_Ev2.D
Acq On : 3 Feb 2026 12:34 PM
Operator : AIRLAB16:TPH
Sample : WG2171920-3,3,250,250
Misc : WG2171920,ICAL22879
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 03 13:54:56 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\02\0203SIM\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 08:56:04 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\02\0203SIM\r1653977_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

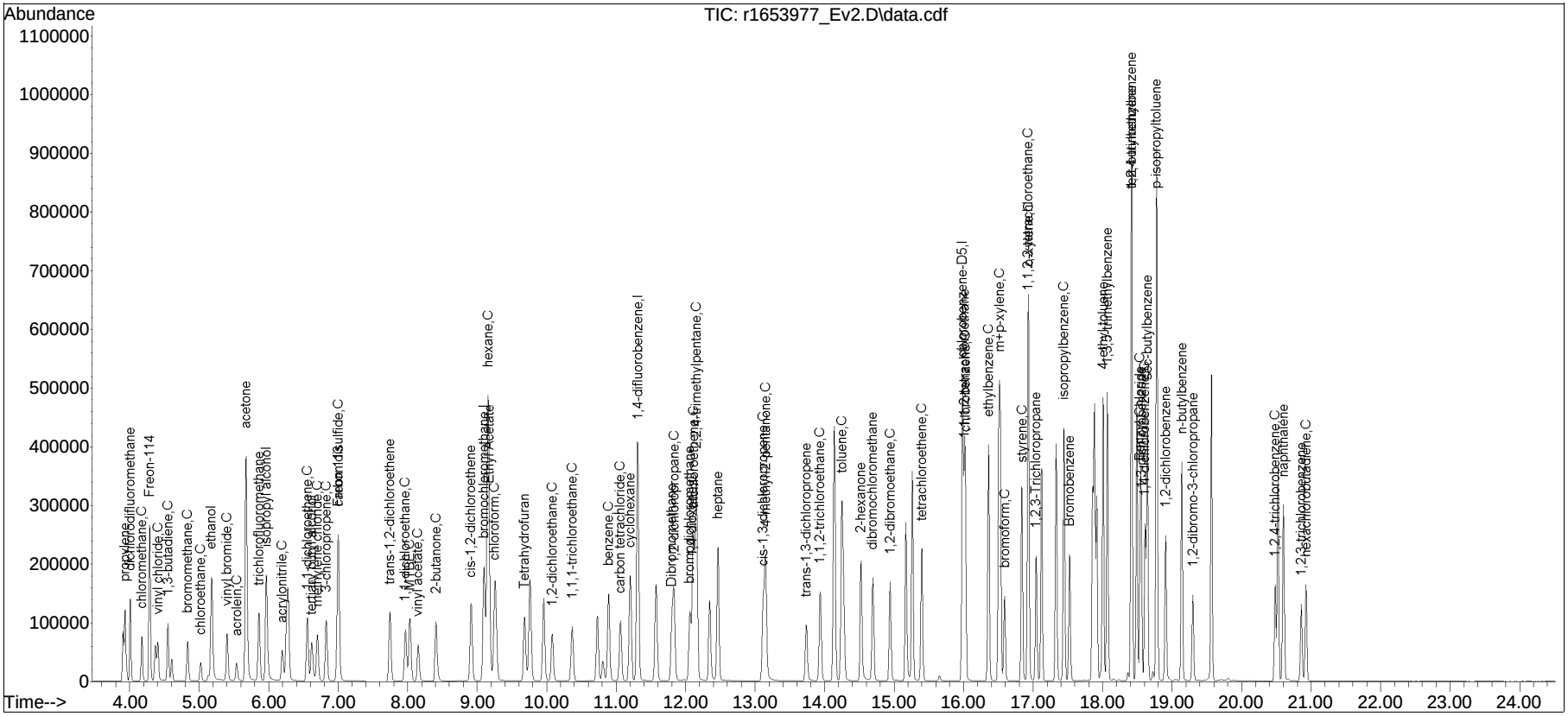
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 2,2,4-trimethylpentane	12.153	57	418196	6.139	ppbV		93
46) heptane	12.467	43	199099	7.161	ppbV		93
47) cis-1,3-dichloropropene	13.117	75	144090	7.094	ppbV		95
48) 4-methyl-2-pentanone	13.150	43	232052	7.285	ppbV		97
49) trans-1,3-dichloropropene	13.733	75	99495	8.093	ppbV	#	90
50) 1,1,2-trichloroethane	13.933	97	110774	6.873	ppbV		92
52) toluene	14.250	91	315138	6.437	ppbV		99
55) dibromochloromethane	14.692	129	155513	8.586	ppbV		99
56) 1,2-dibromoethane	14.942	107	161760	6.444	ppbV		99
57) tetrachloroethene	15.400	166	125030	6.237	ppbV		99
59) chlorobenzene	16.025	112	251858	5.511	ppbV		96
60) ethylbenzene	16.358	91	395437	6.508	ppbV		91
61) m+p-xylene	16.517	91	630135	13.159	ppbV		87
62) bromoform	16.592	173	109189	9.325	ppbV		99
63) styrene	16.842	104	253497	6.107	ppbV		99
64) 1,1,2,2-tetrachloroethane	16.925	83	236137	6.708	ppbV		97
65) o-xylene	16.933	91	316155	6.464	ppbV		88
71) 1,3,5-trimethylbenzene	18.067	105	356949	5.990	ppbV		89
73) 1,2,4-trimethylbenzene	18.417	105	366420	6.012	ppbV		93
74) Benzyl Chloride	18.542	91	200529	7.179	ppbV		99
75) 1,3-dichlorobenzene	18.558	146	260036	6.364	ppbV		97
76) 1,4-dichlorobenzene	18.608	146	258179	6.254	ppbV		94
79) 1,2-dichlorobenzene	18.908	146	245230	6.310	ppbV		97
82) 1,2,4-trichlorobenzene	20.483	180	164659	7.323	ppbV		99
83) naphthalene	20.600	128	473225	6.005	ppbV		98
85) hexachlorobutadiene	20.925	225	125427	7.500	ppbV		96

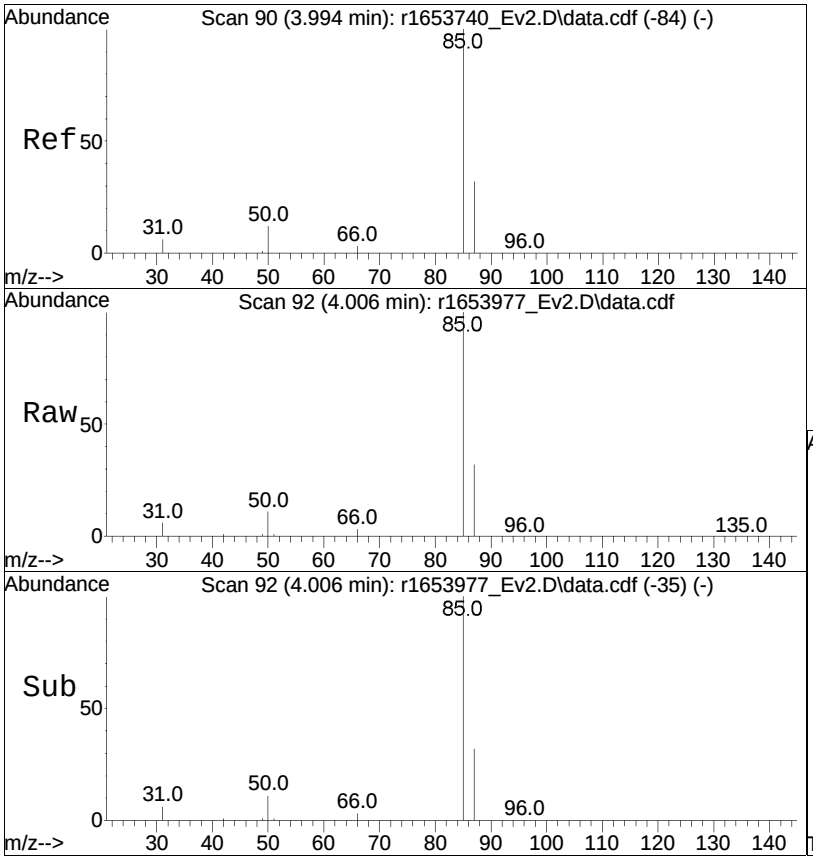
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-LCS-AP2 - All compounds listedM\r1653977_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2026\02\0203SIM\
Data File : r1653977_Ev2.D
Acq On : 3 Feb 2026 12:34 PM
Operator : AIRLAB16:TPH
Sample : WG2171920-3,3,250,250
Misc : WG2171920,ICAL22879
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 03 13:54:56 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\02\0203SIM\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 08:56:04 2026
Response via : Initial Calibration

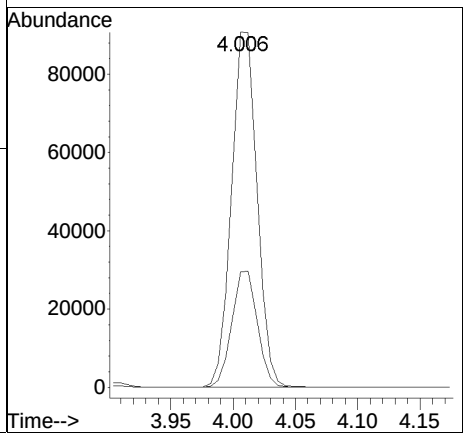


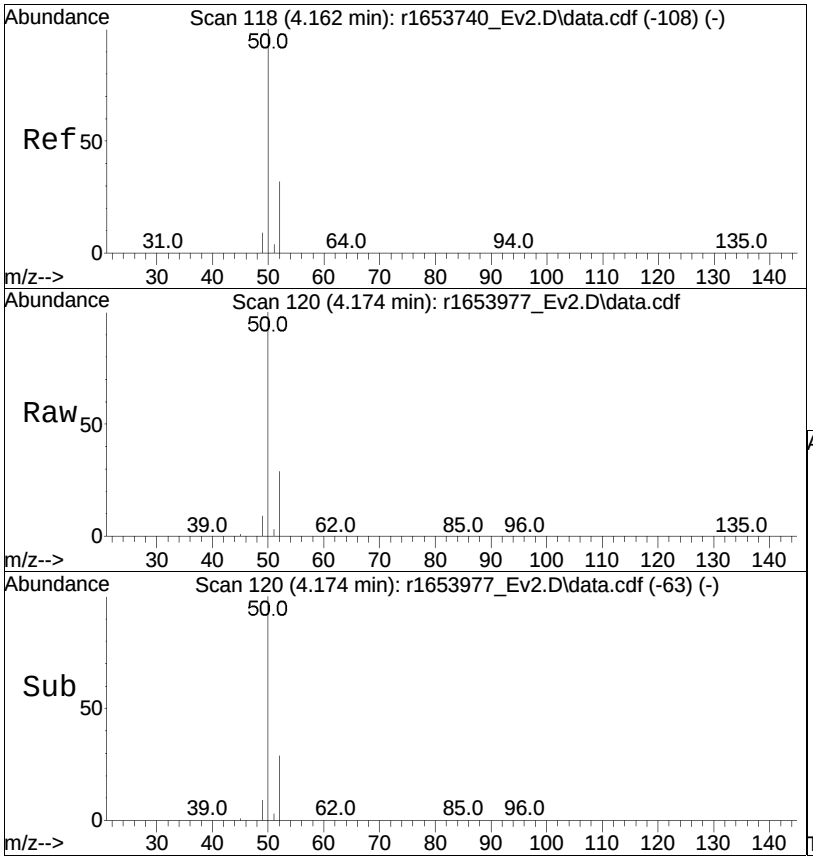


#3
dichlorodifluoromethane
Concen: 5.17 ppbV
RT: 4.006 min Scan# 92
Delta R.T. 0.012 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 85 Resp: 130163

Ion	Ratio	Lower	Upper
85	100		
87	32.4	25.3	37.9

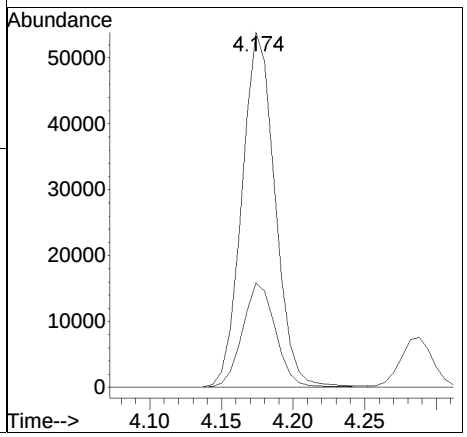


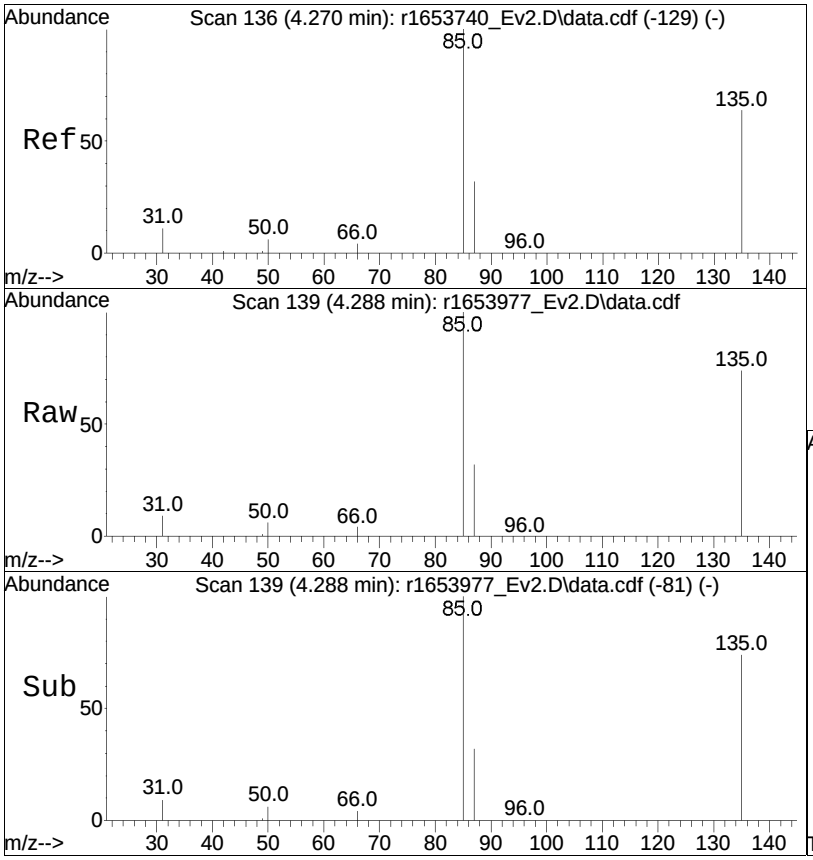


#4
chloromethane
Concen: 5.89 ppbV
RT: 4.174 min Scan# 120
Delta R.T. 0.012 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 50 Resp: 86534

Ion	Ratio	Lower	Upper
50	100		
52	29.4	25.8	38.6

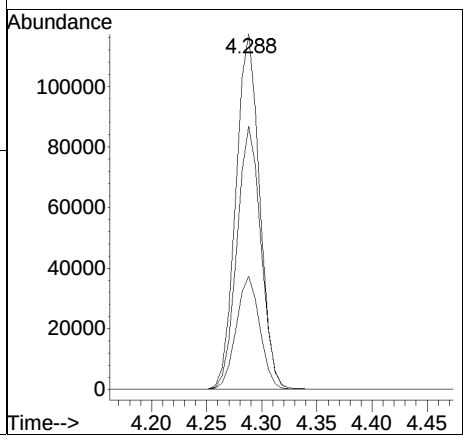


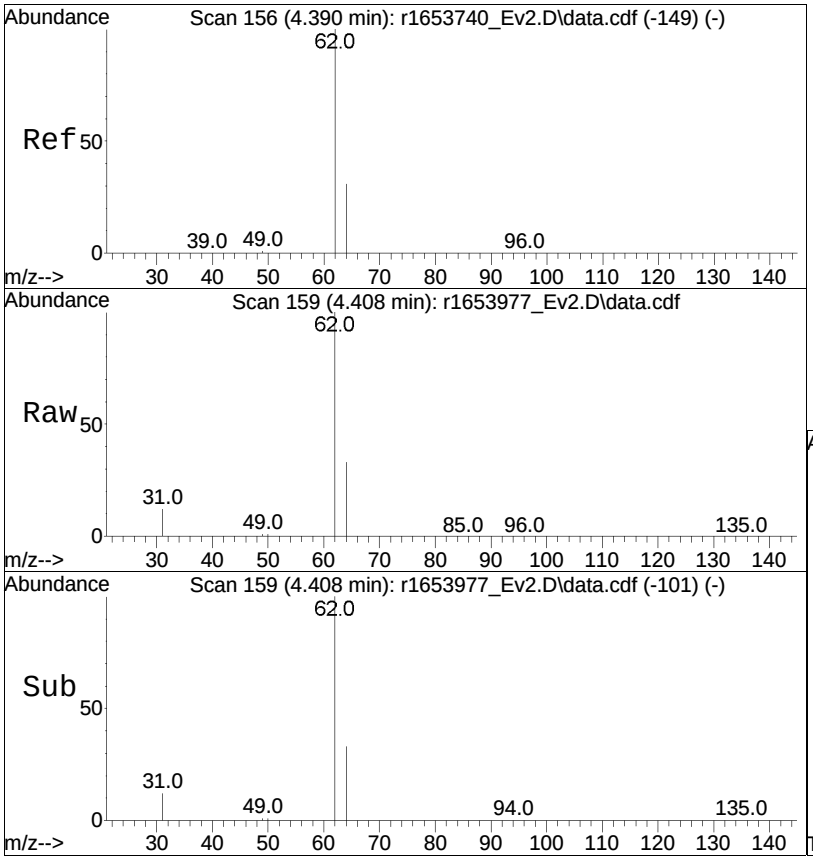


#5
Freon-114
Concen: 5.59 ppbV
RT: 4.288 min Scan# 139
Delta R.T. 0.018 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 85 Resp: 175987

Ion	Ratio	Lower	Upper
85	100		
87	31.8	25.6	38.4
135	74.1	51.5	77.3

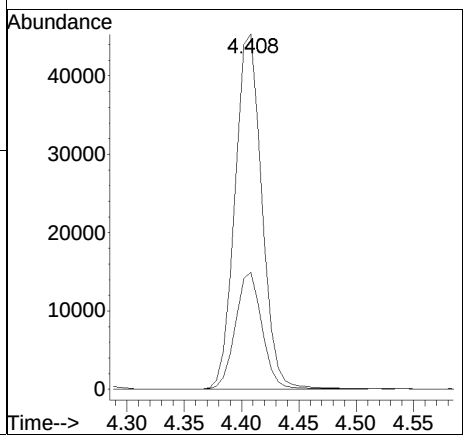


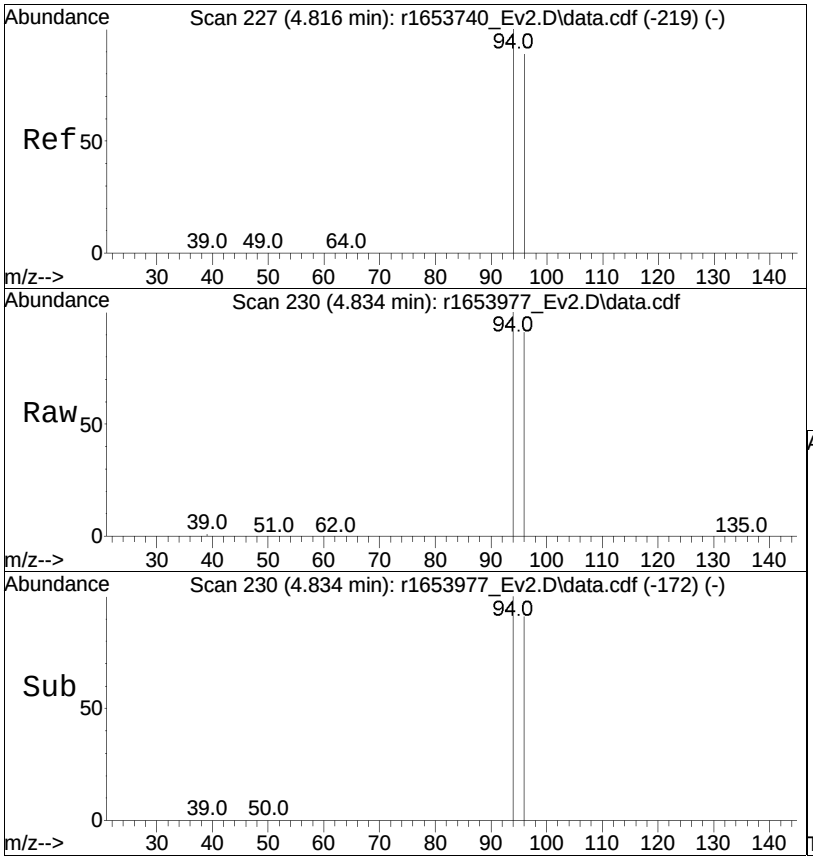


#6
vinyl chloride
Concen: 5.69 ppbV
RT: 4.408 min Scan# 159
Delta R.T. 0.018 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 62 Resp: 74104

Ion	Ratio	Lower	Upper
62	100		
64	33.0	24.6	36.8

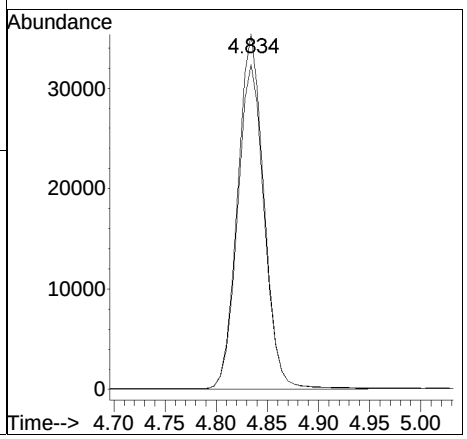


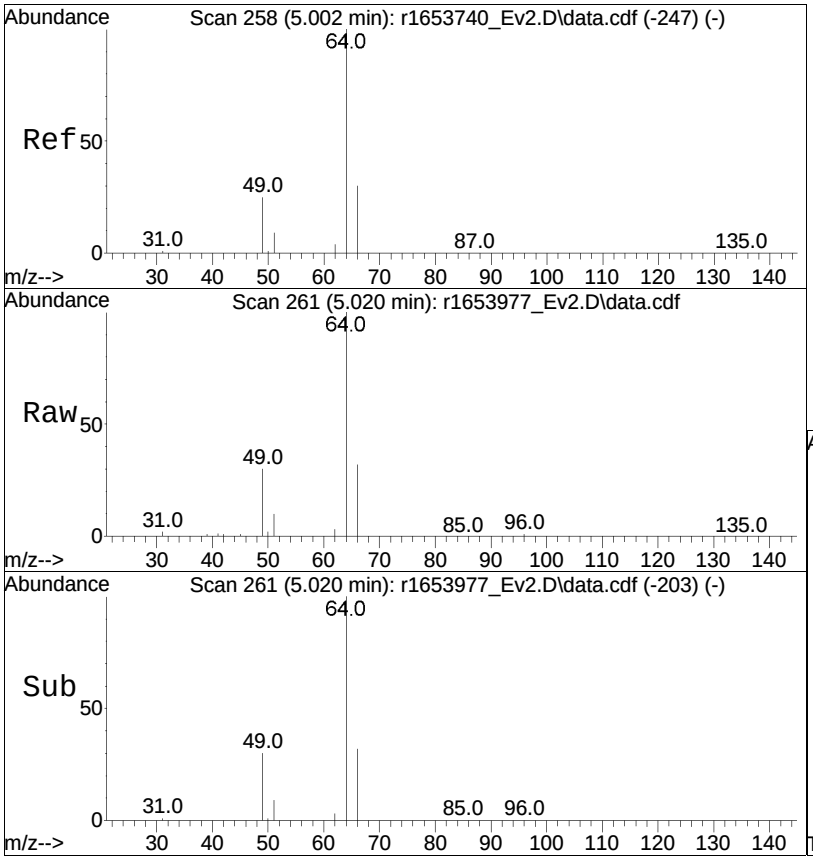


#8
bromomethane
Concen: 6.03 ppbV
RT: 4.834 min Scan# 230
Delta R.T. 0.018 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 94 Resp: 63211

Ion	Ratio	Lower	Upper
94	100		
96	91.5	71.3	106.9

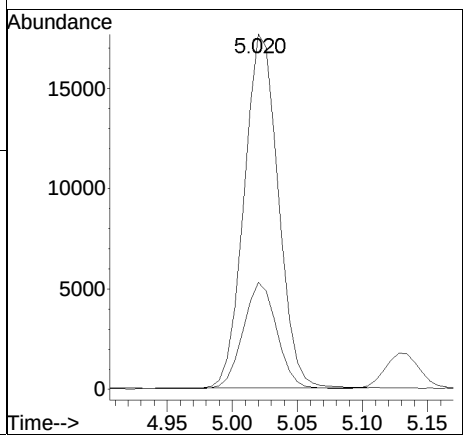


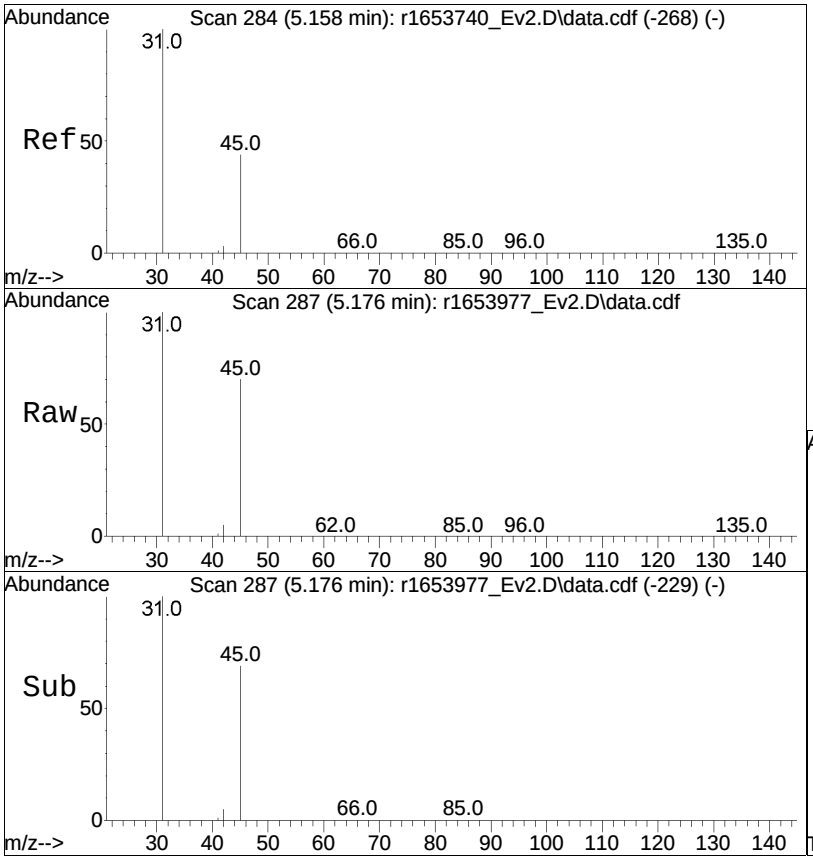


#9
chloroethane
Concen: 5.52 ppbV
RT: 5.020 min Scan# 261
Delta R.T. 0.018 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 64 Resp: 32127

Ion	Ratio	Lower	Upper
64	100		
49	30.1	20.2	30.2

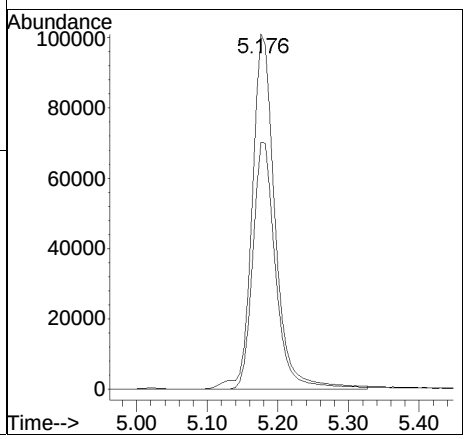


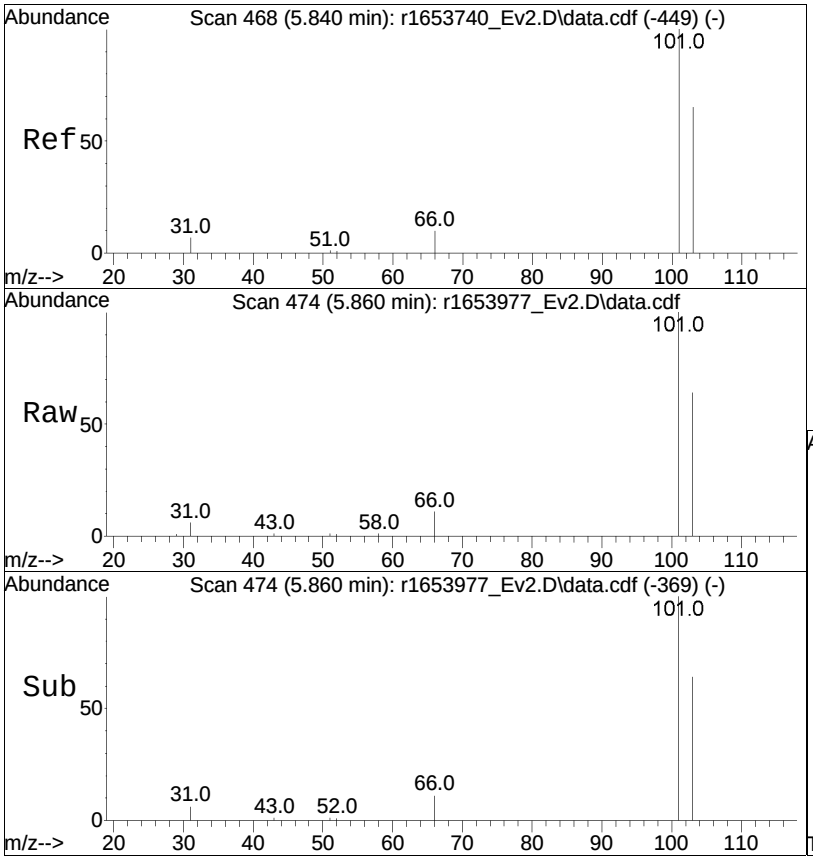


#10
ethanol
Concen: 22.09 ppbV m
RT: 5.176 min Scan# 287
Delta R.T. 0.018 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 31 Resp: 219027

Ion	Ratio	Lower	Upper
31	100		
45	69.5	35.6	53.4#

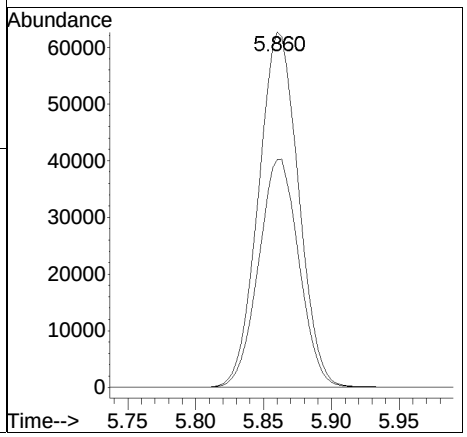


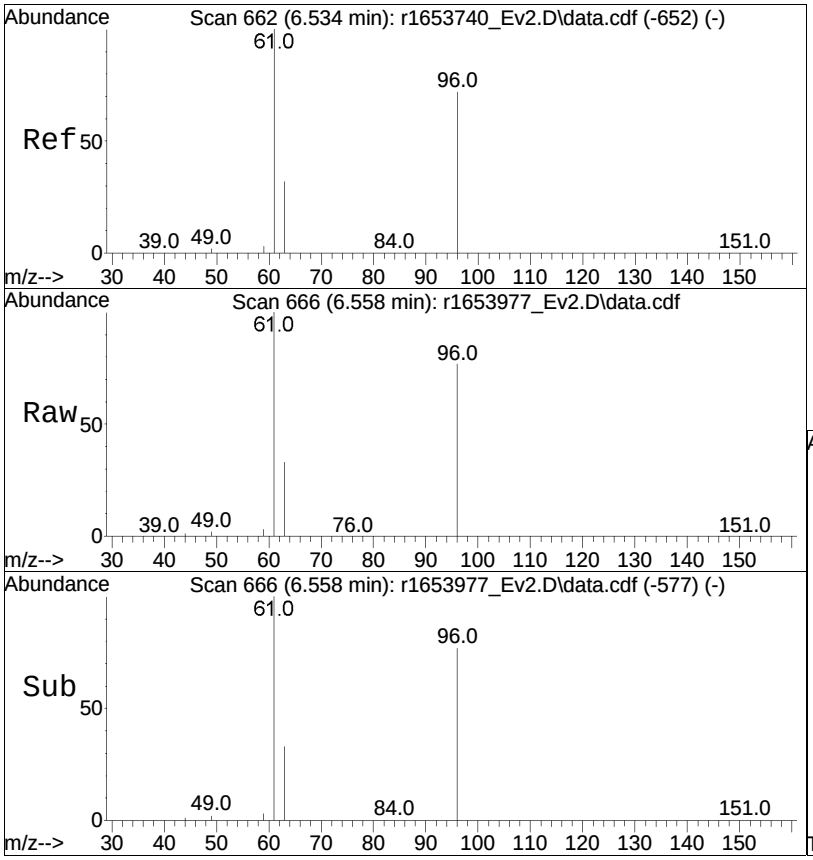


#14
trichlorofluoromethane
Concen: 5.83 ppbV
RT: 5.860 min Scan# 474
Delta R.T. 0.020 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion:101 Resp: 128791

Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.0	78.0

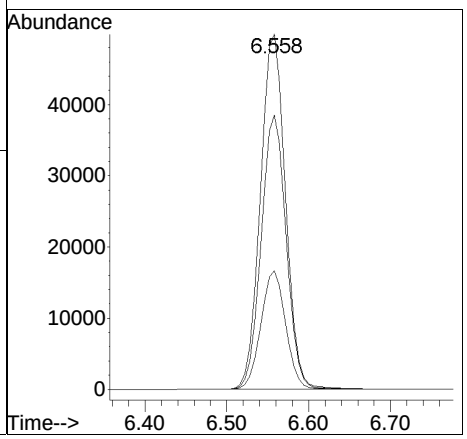


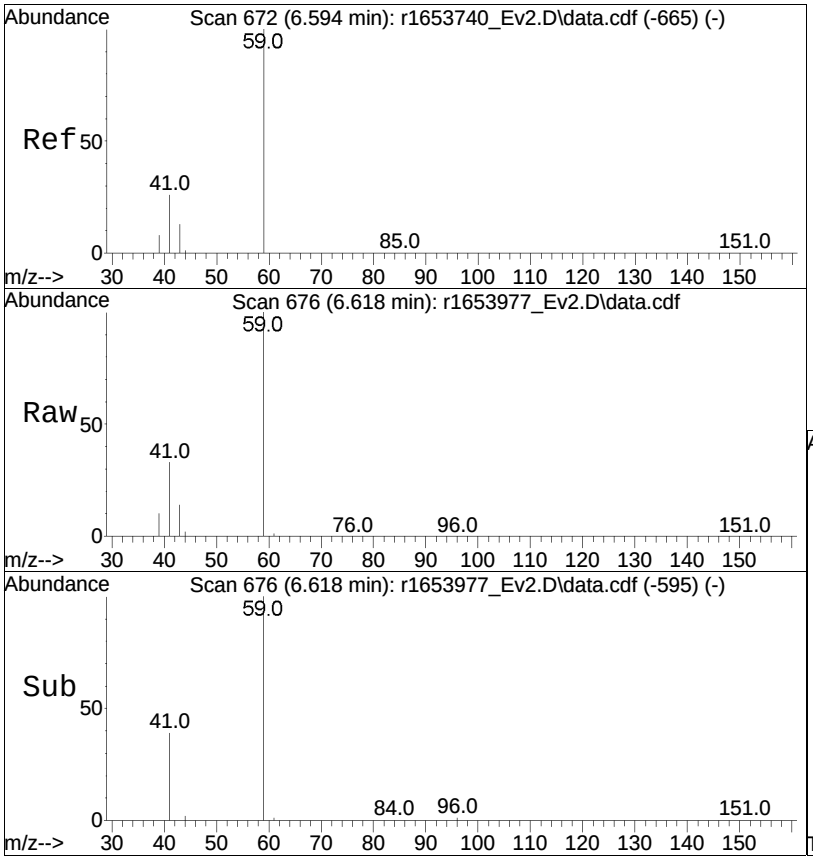


#17
1,1-dichloroethene
Concen: 6.25 ppbV
RT: 6.558 min Scan# 666
Delta R.T. 0.024 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 61 Resp: 106221

Ion	Ratio	Lower	Upper
61	100		
96	77.2	57.9	86.9
63	33.4	25.4	38.0

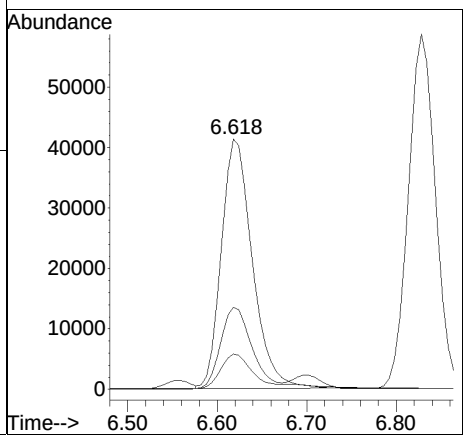


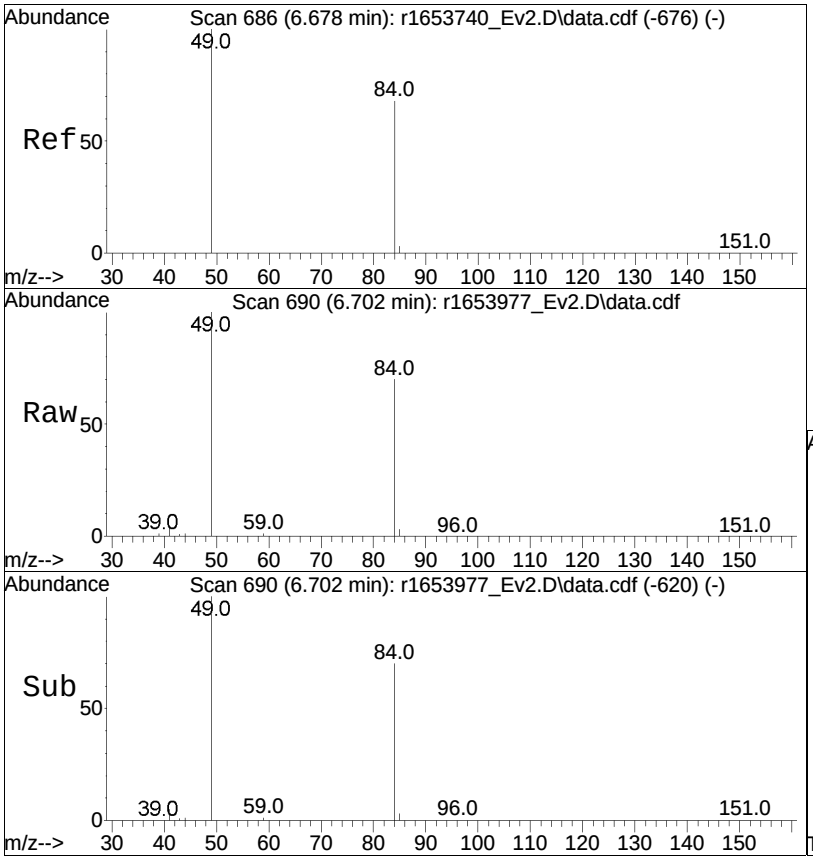


#18
tertiary butyl alcohol
Concen: 5.50 ppbV
RT: 6.618 min Scan# 676
Delta R.T. 0.024 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 59 Resp: 99706

Ion	Ratio	Lower	Upper
59	100		
41	32.8	19.7	29.5#
43	13.7	10.1	15.1

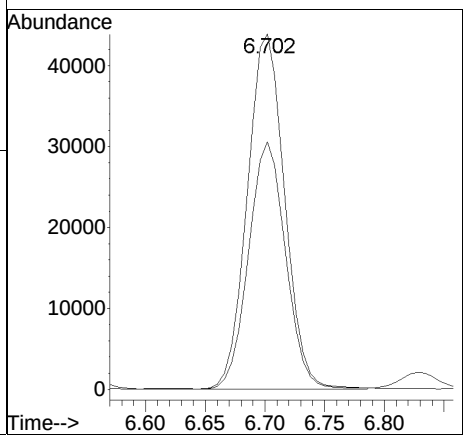


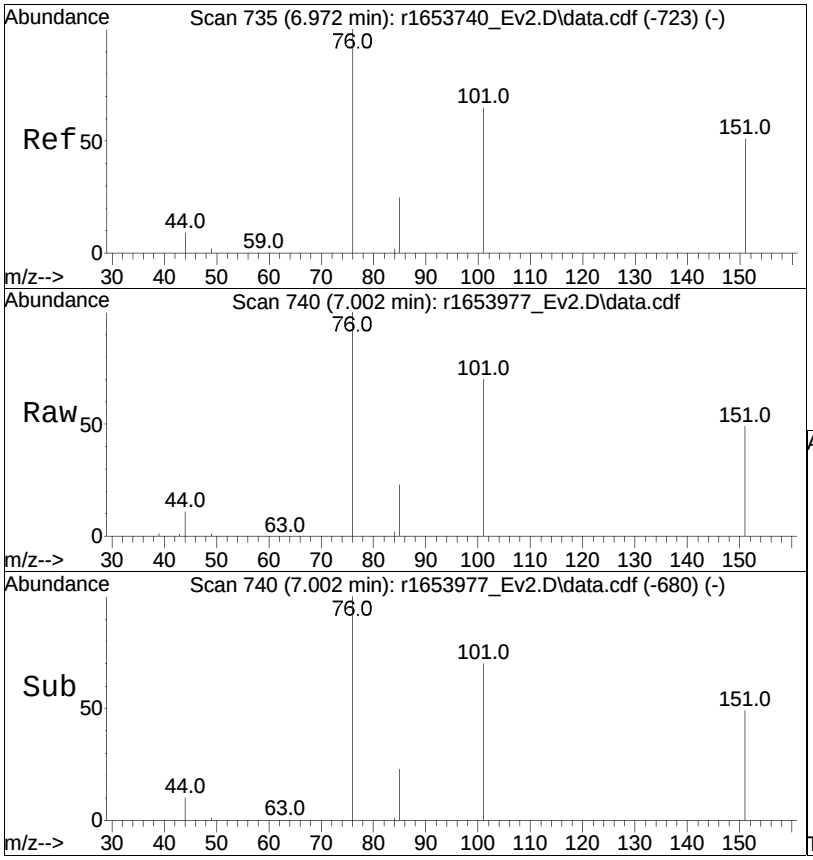


#19
methylene chloride
Concen: 5.53 ppbV
RT: 6.702 min Scan# 690
Delta R.T. 0.024 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 49 Resp: 95263

Ion	Ratio	Lower	Upper
49	100		
84	69.7	54.3	81.5

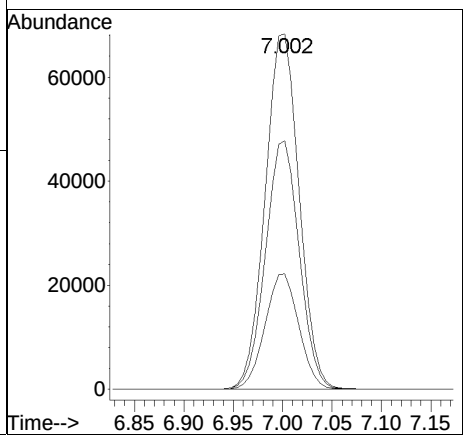


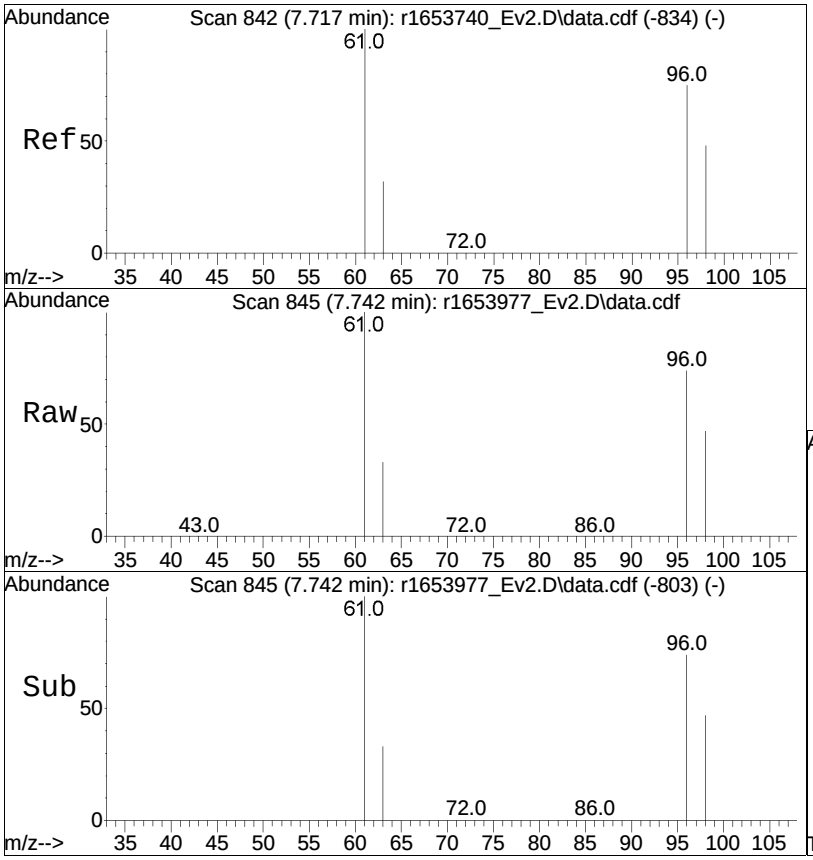


#22
Freon 113
Concen: 6.43 ppbV
RT: 7.002 min Scan# 740
Delta R.T. 0.030 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion:101 Resp: 163491

Ion	Ratio	Lower	Upper
101	100		
85	32.5	30.6	45.8
151	70.0	62.9	94.3

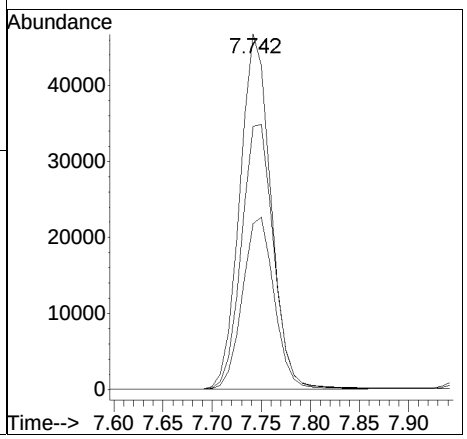


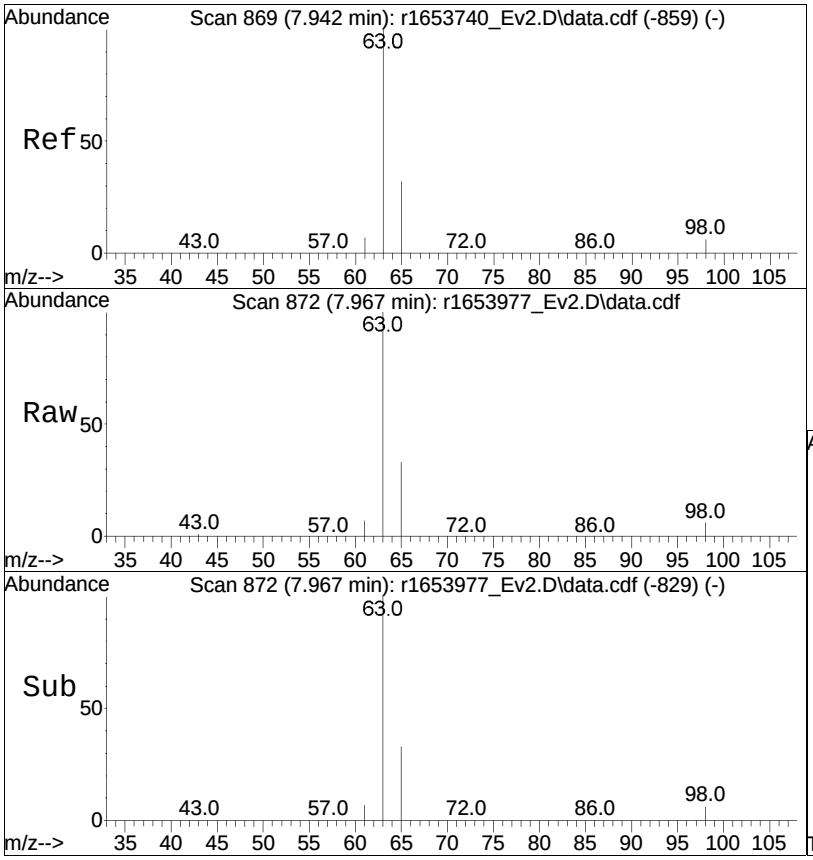


#23
trans-1,2-dichloroethene
Concen: 6.58 ppbV
RT: 7.742 min Scan# 845
Delta R.T. 0.025 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 61 Resp: 103199

Ion	Ratio	Lower	Upper
61	100		
96	74.0	59.7	89.5
98	46.7	38.2	57.4

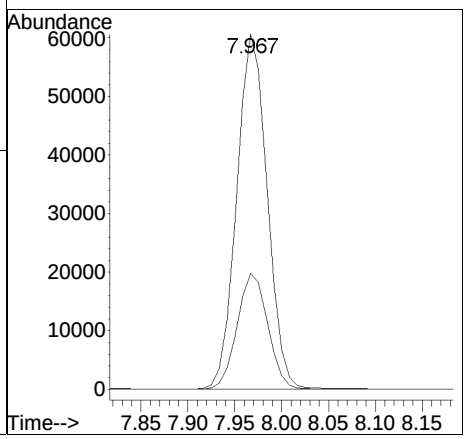


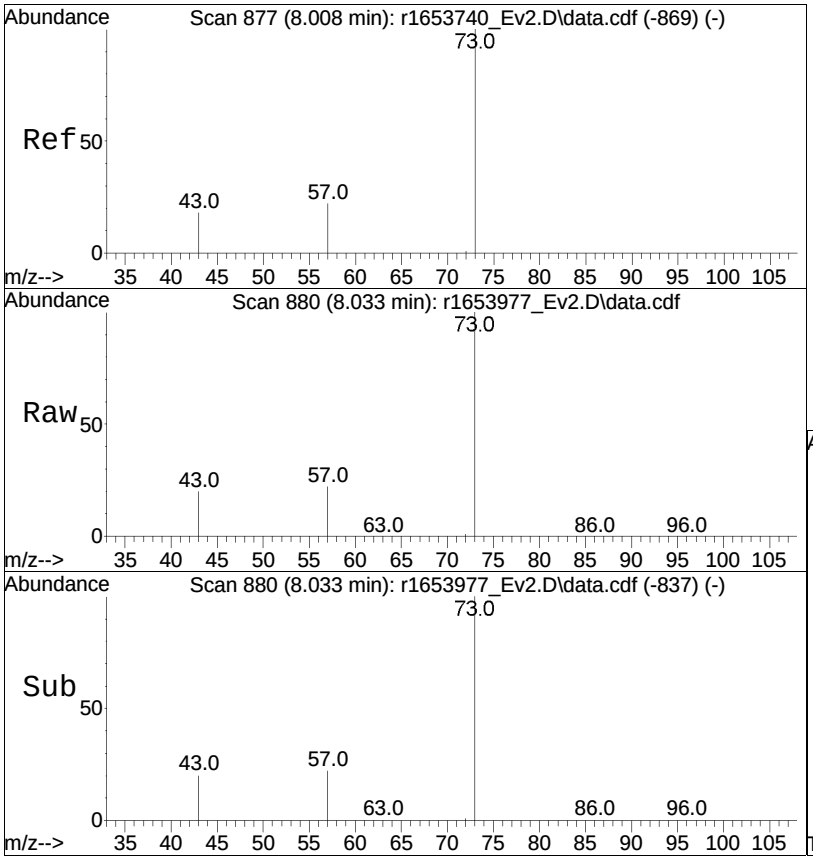


#24
1,1-dichloroethane
Concen: 6.48 ppbV
RT: 7.967 min Scan# 872
Delta R.T. 0.025 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 63 Resp: 136826

Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.8	38.8

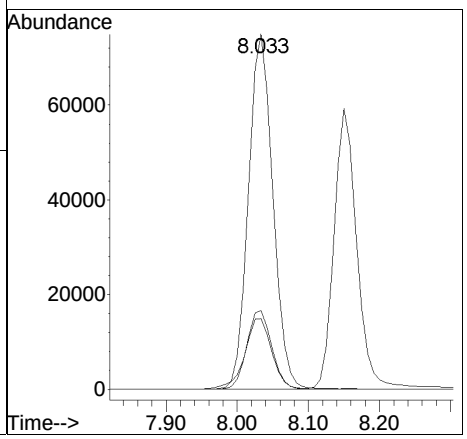


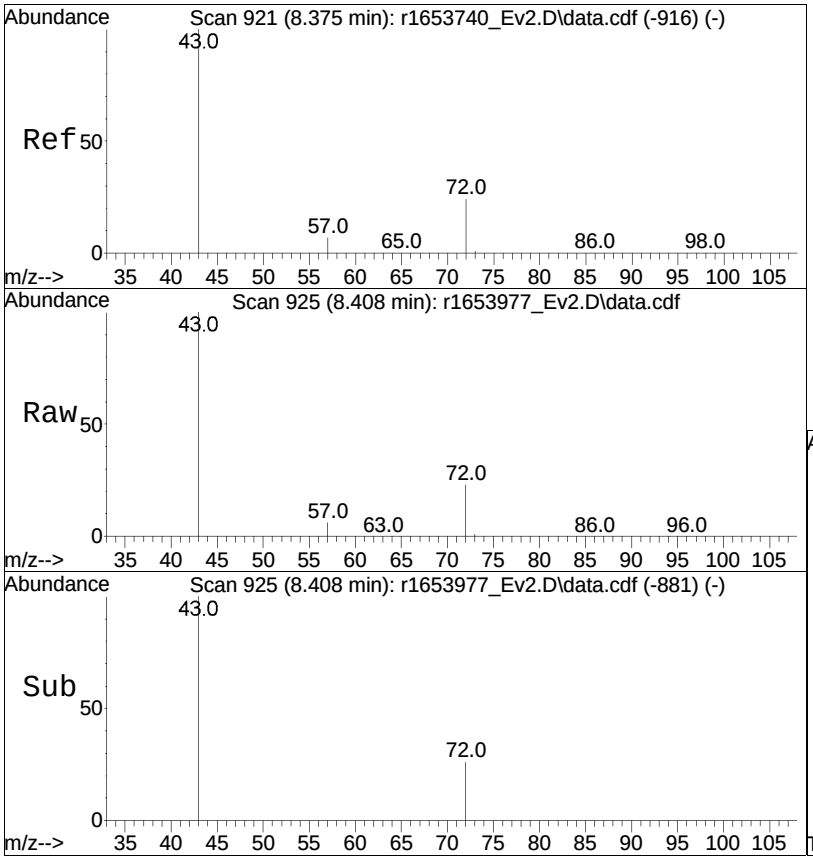


#25
MTBE
Concen: 5.70 ppbV
RT: 8.033 min Scan# 880
Delta R.T. 0.025 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 73 Resp: 179923

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.6	26.4
43	19.9	14.2	21.2

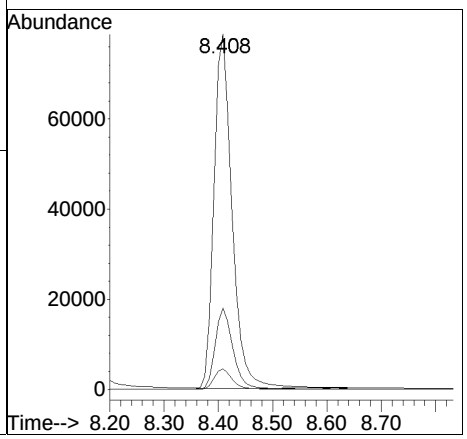


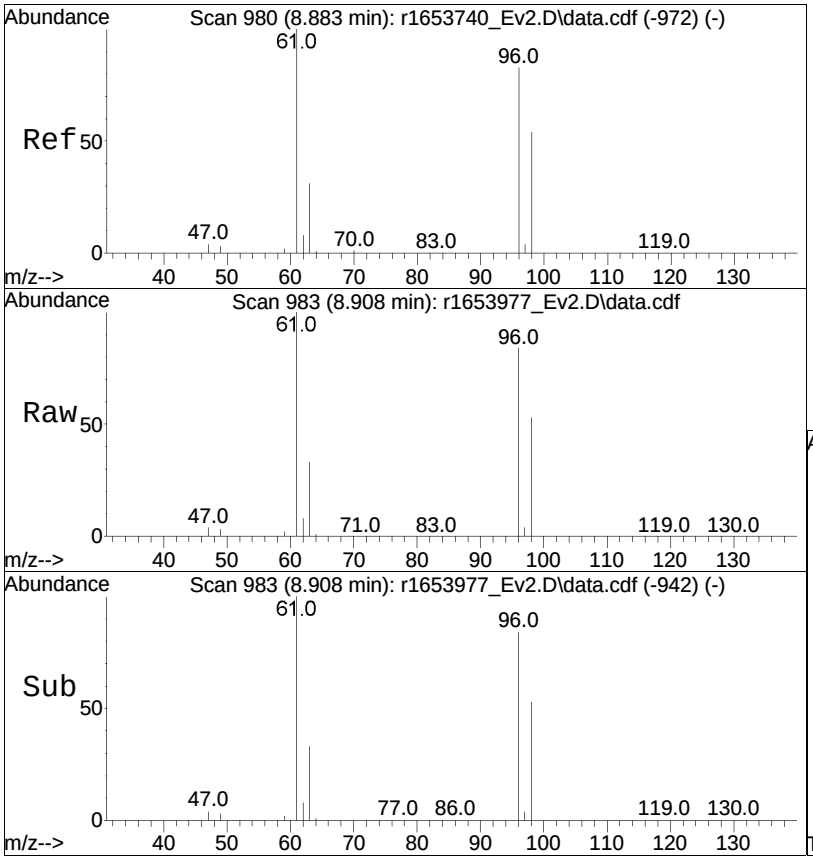


#27
2-butanone
Concen: 7.05 ppbV
RT: 8.408 min Scan# 925
Delta R.T. 0.033 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 43 Resp: 182610

Ion	Ratio	Lower	Upper
43	100		
72	22.9	19.4	29.2
57	5.8	5.6	8.4

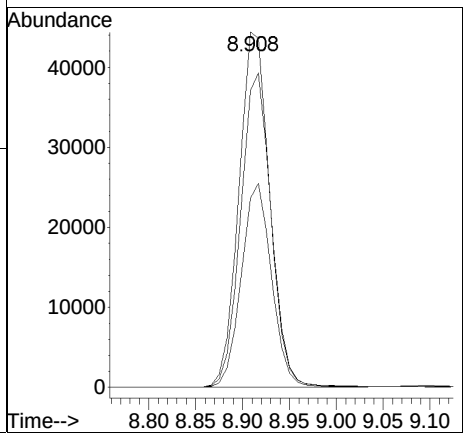


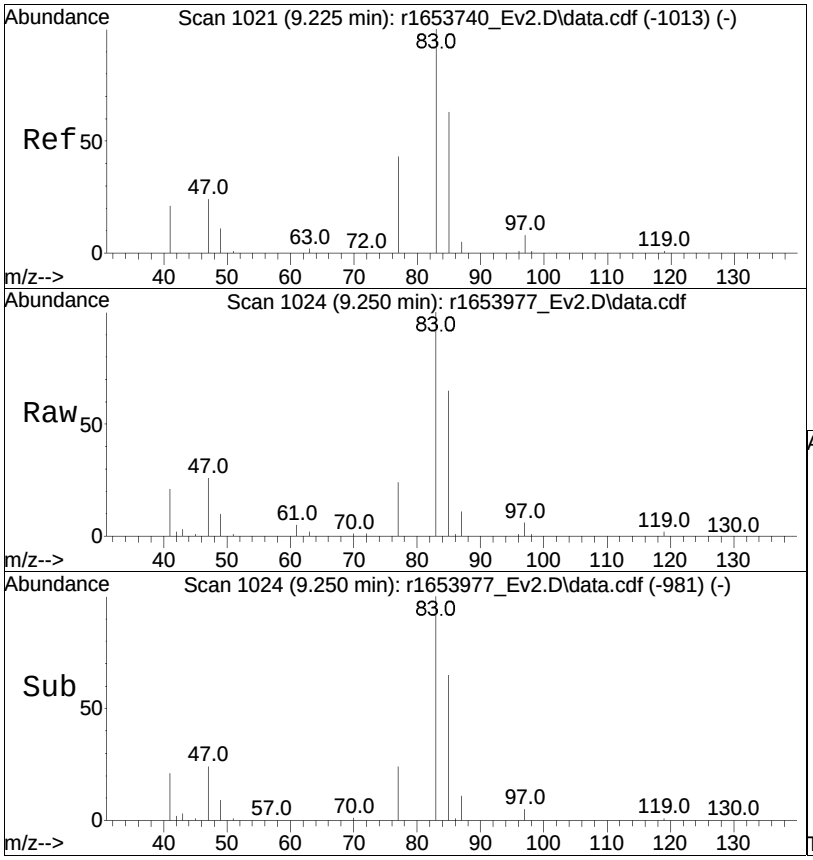


#28
cis-1,2-dichloroethene
Concen: 6.30 ppbV
RT: 8.908 min Scan# 983
Delta R.T. 0.025 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 61 Resp: 101772

Ion	Ratio	Lower	Upper
61	100		
96	83.6	66.4	99.6
98	53.2	42.9	64.3

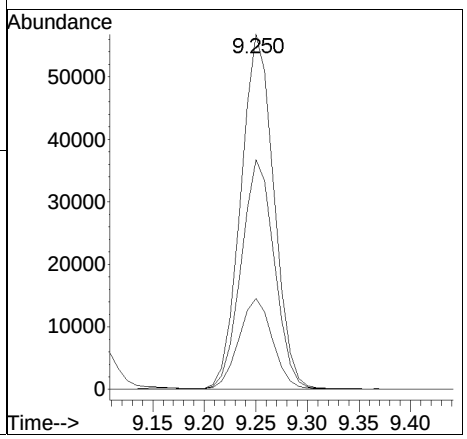


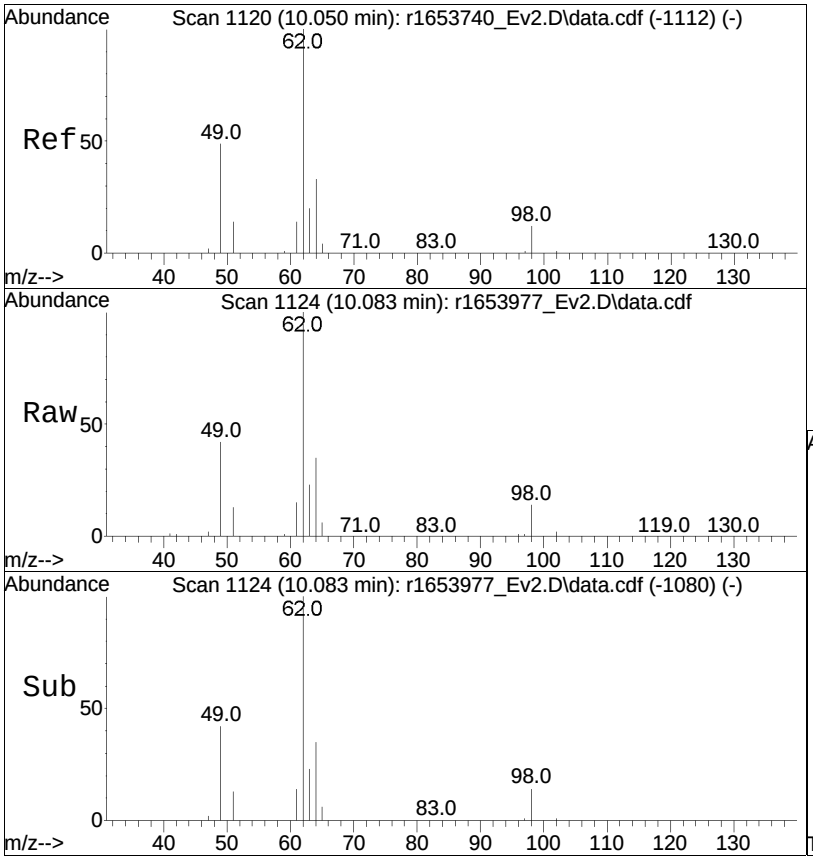


#30
chloroform
Concen: 5.16 ppbV
RT: 9.250 min Scan# 1024
Delta R.T. 0.025 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 83 Resp: 126877

Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.8	76.2
47	25.6	19.2	28.8

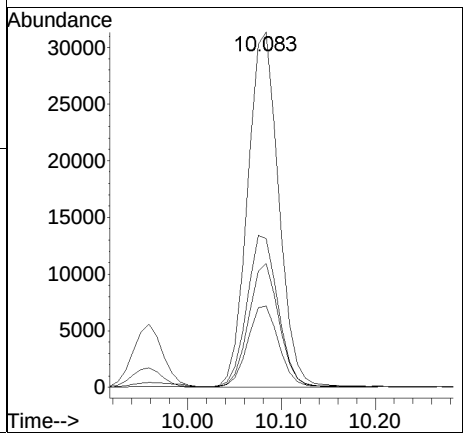


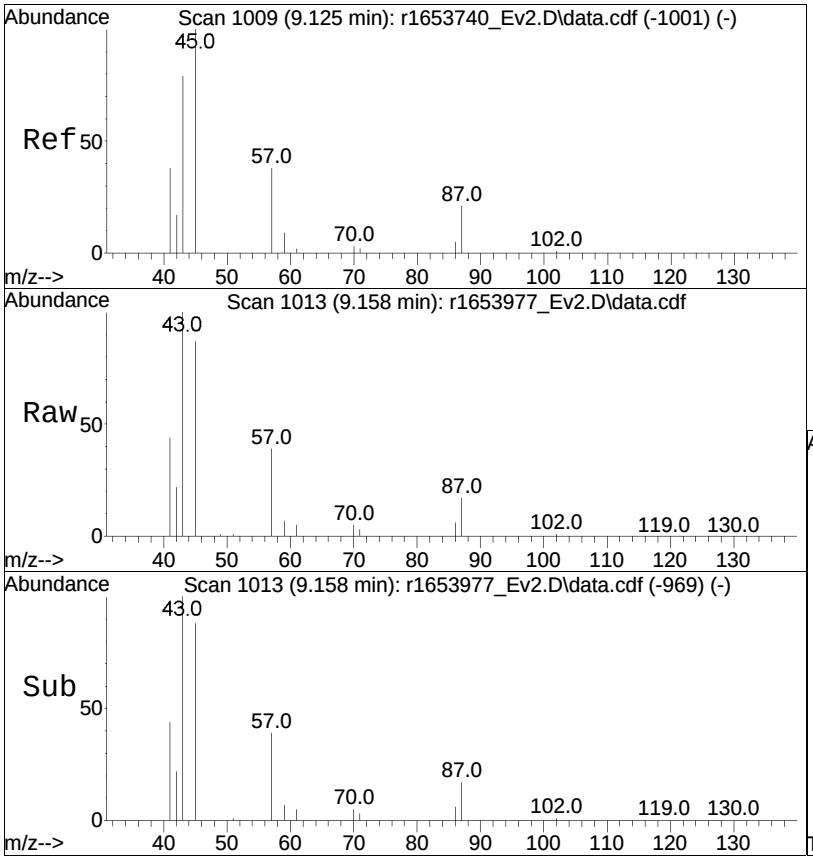


#32
1,2-dichloroethane
Concen: 5.87 ppbV
RT: 10.083 min Scan# 1124
Delta R.T. 0.033 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 62 Resp: 72262

Ion	Ratio	Lower	Upper
62	100		
64	34.9	26.2	39.4
49	41.9	39.1	58.7
63	22.9	16.2	24.4

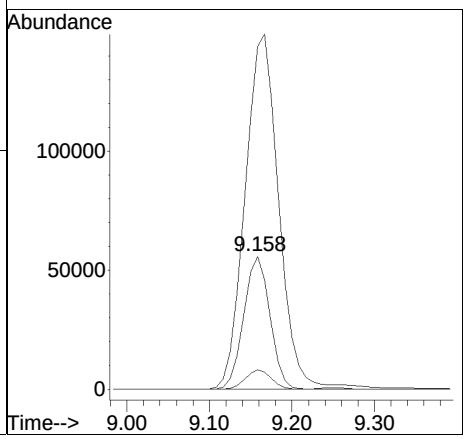


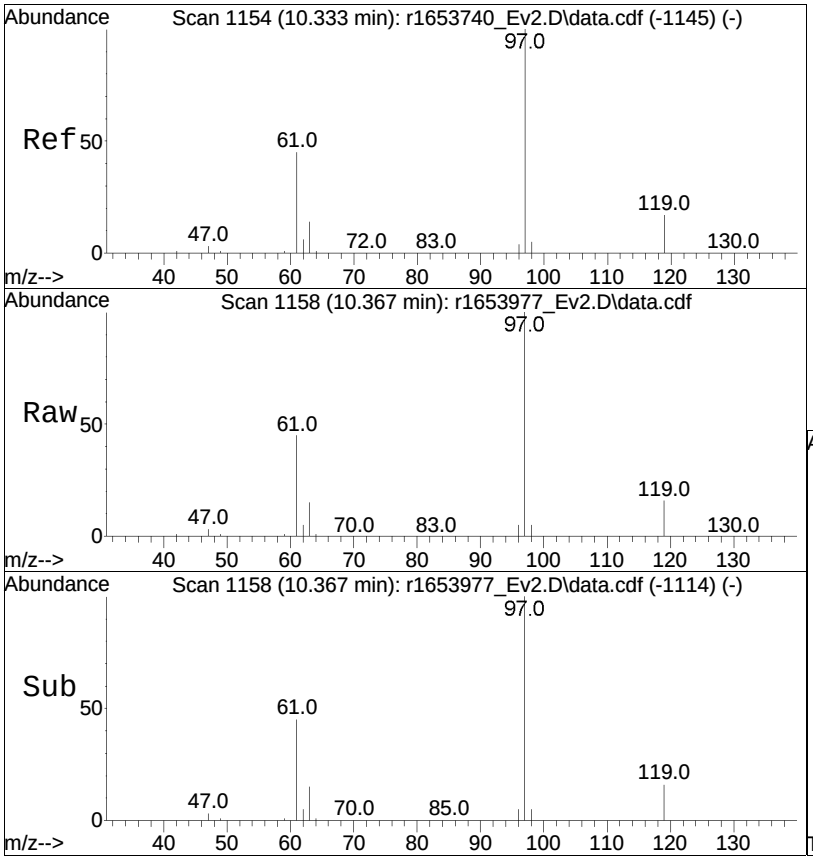


#34
hexane
Concen: 5.30 ppbV
RT: 9.158 min Scan# 1013
Delta R.T. 0.033 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 57 Resp: 123322

Ion	Ratio	Lower	Upper
57	100		
43	258.2	166.8	250.2#
86	14.7	11.7	17.5

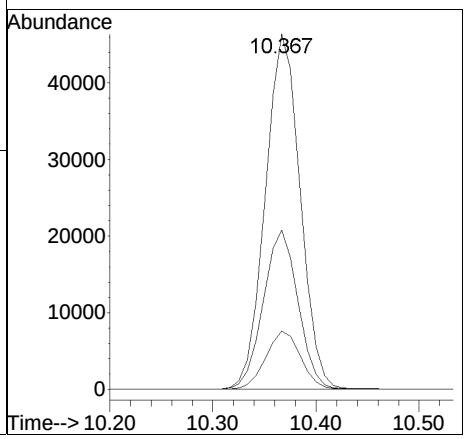


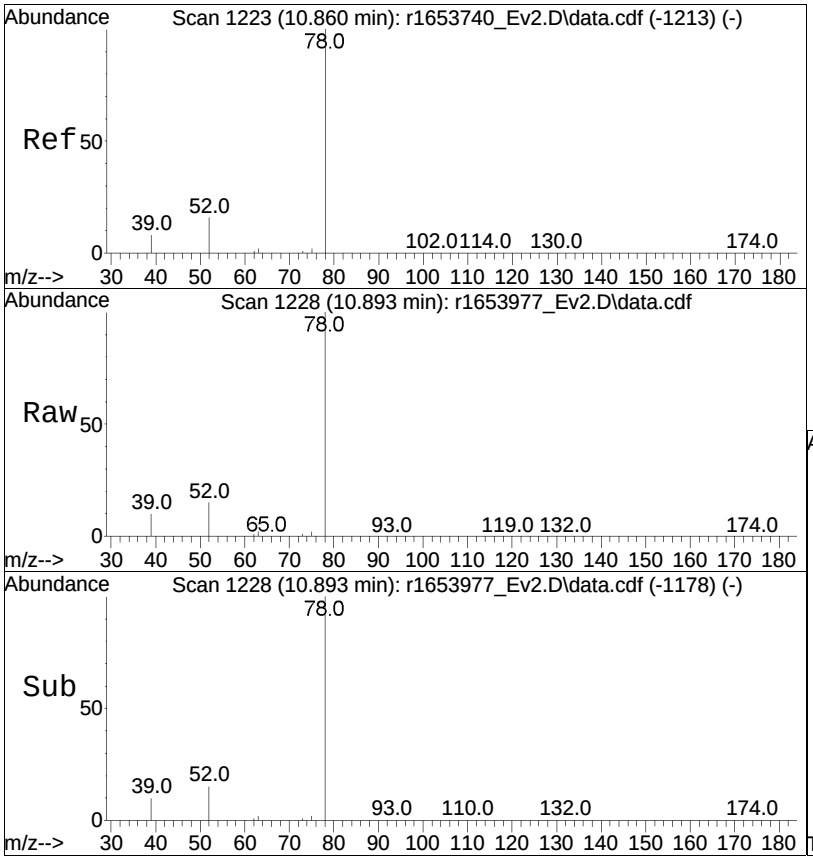


#36
1,1,1-trichloroethane
Concen: 6.36 ppbV
RT: 10.367 min Scan# 1158
Delta R.T. 0.033 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 97 Resp: 108702

Ion	Ratio	Lower	Upper
97	100		
61	44.8	35.8	53.8
119	16.4	13.8	20.8

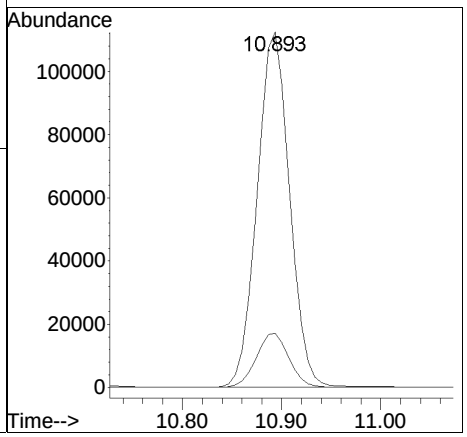


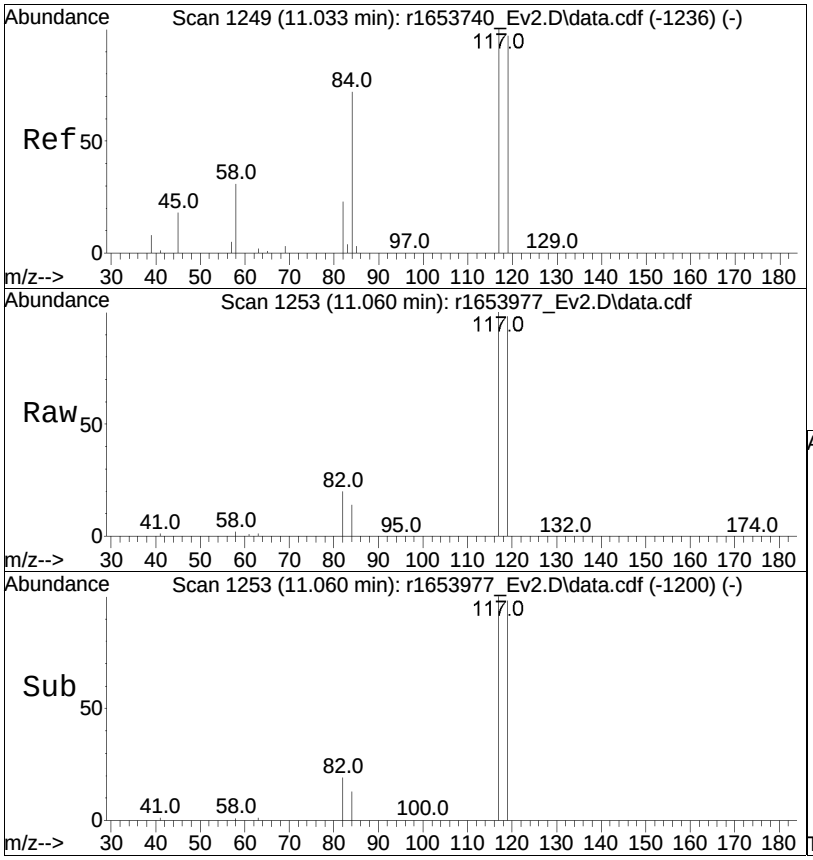


#37
benzene
Concen: 5.12 ppbV
RT: 10.893 min Scan# 1228
Delta R.T. 0.033 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 78 Resp: 255583

Ion	Ratio	Lower	Upper
78	100		
52	15.3	12.8	19.2

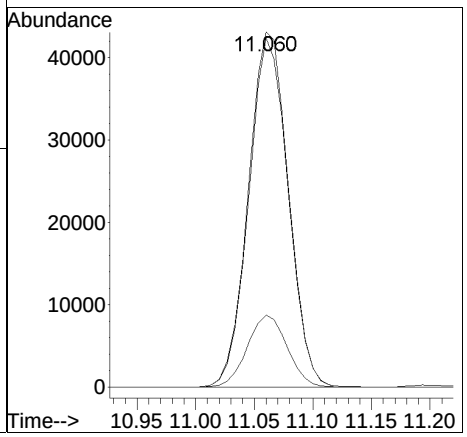


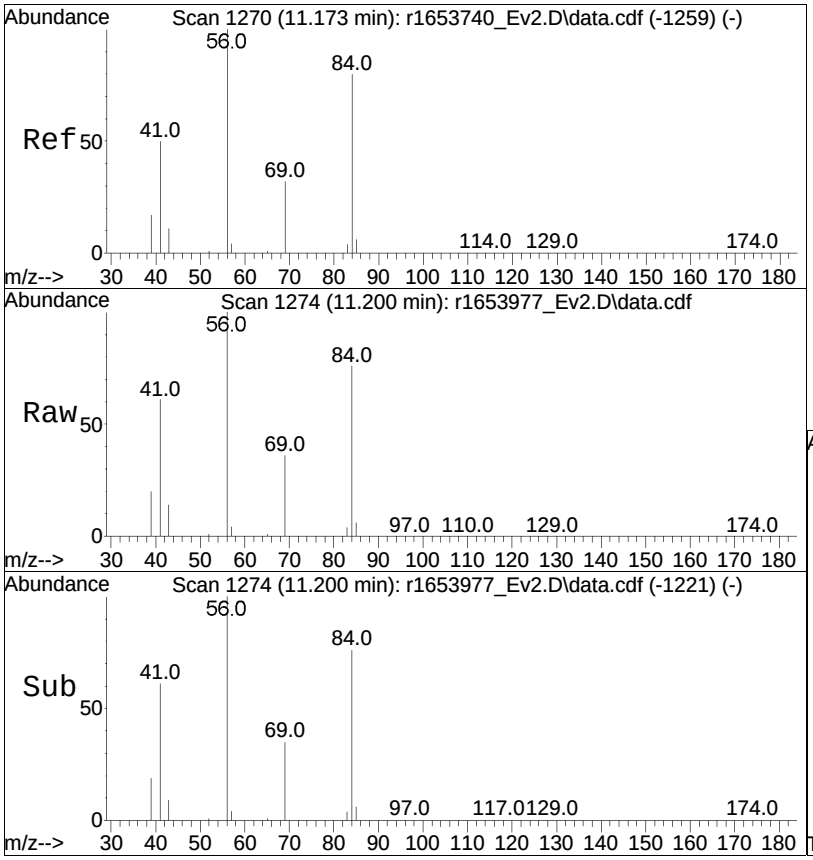


#38
carbon tetrachloride
Concen: 6.44 ppbV
RT: 11.060 min Scan# 1253
Delta R.T. 0.027 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion:117 Resp: 102467

Ion	Ratio	Lower	Upper
117	100		
119	98.3	77.3	115.9
82	20.4	18.6	27.8

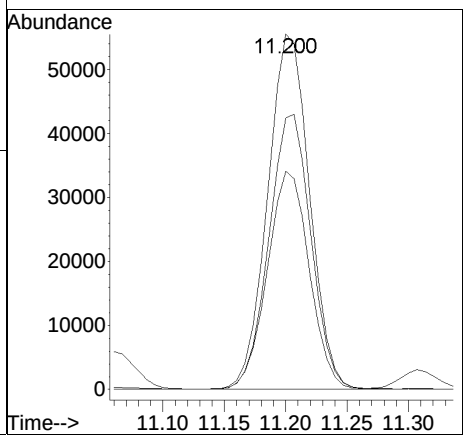


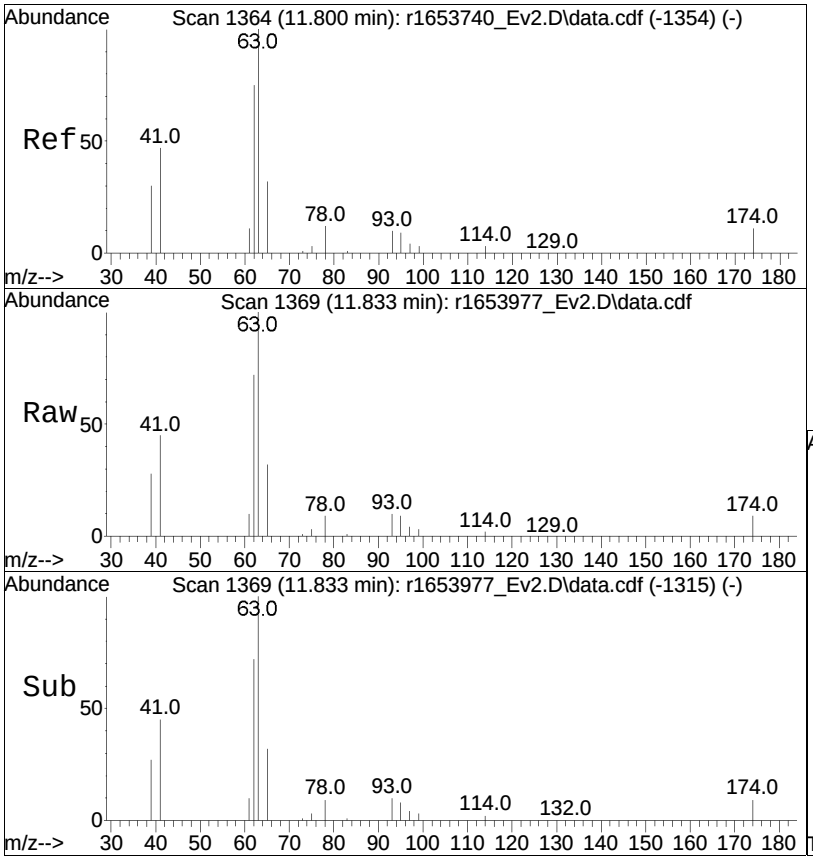


#39
cyclohexane
Concen: 5.77 ppbV
RT: 11.200 min Scan# 1274
Delta R.T. 0.027 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 56 Resp: 131705

Ion	Ratio	Lower	Upper
56	100		
84	76.4	64.4	96.6
41	61.4	40.1	60.1#

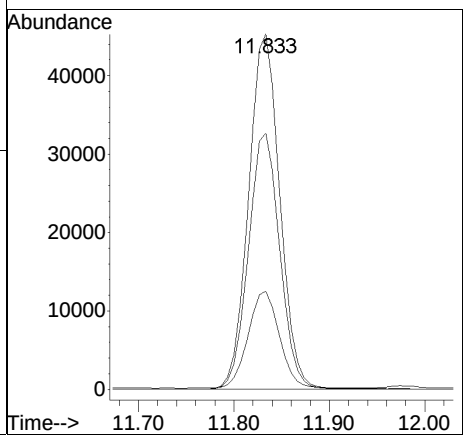


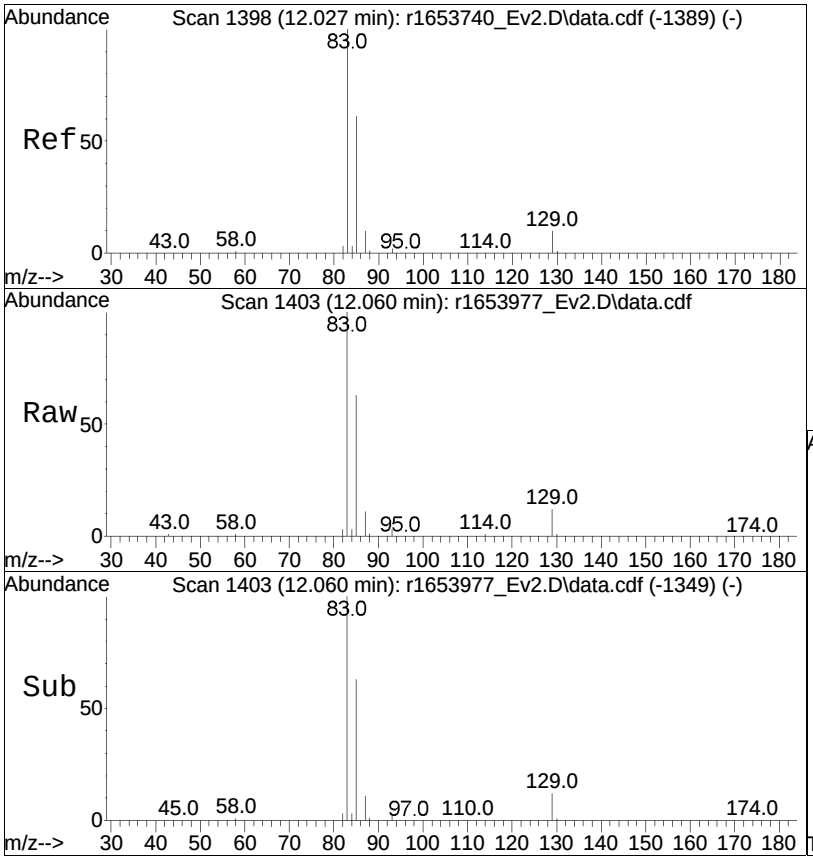


#41
1,2-dichloropropane
Concen: 7.01 ppbV
RT: 11.833 min Scan# 1369
Delta R.T. 0.033 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 63 Resp: 102880

Ion	Ratio	Lower	Upper
63	100		
62	72.1	59.8	89.8
39	27.6	24.6	37.0

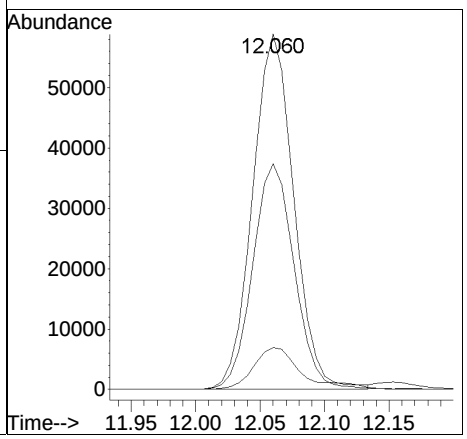


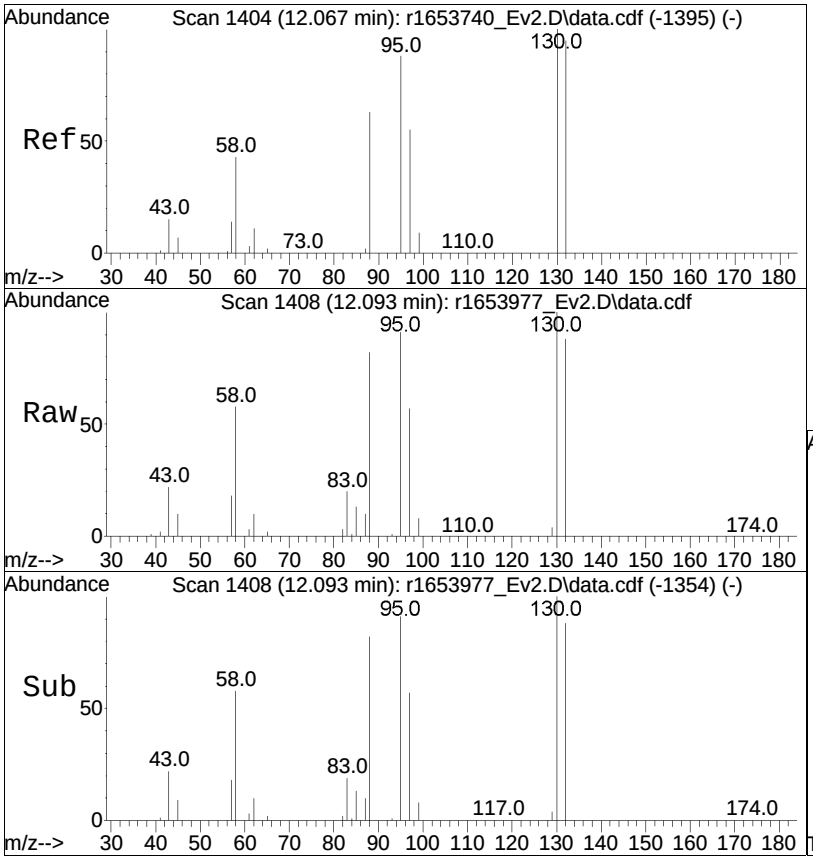


#42
bromodichloromethane
Concen: 6.10 ppbV
RT: 12.060 min Scan# 1403
Delta R.T. 0.033 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 83 Resp: 130566

Ion	Ratio	Lower	Upper
83	100		
85	63.5	49.0	73.4
129	11.8	8.2	12.2

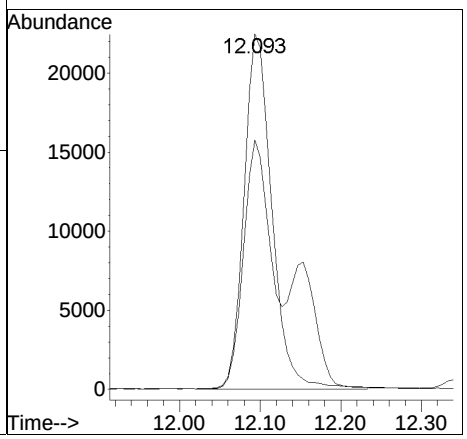


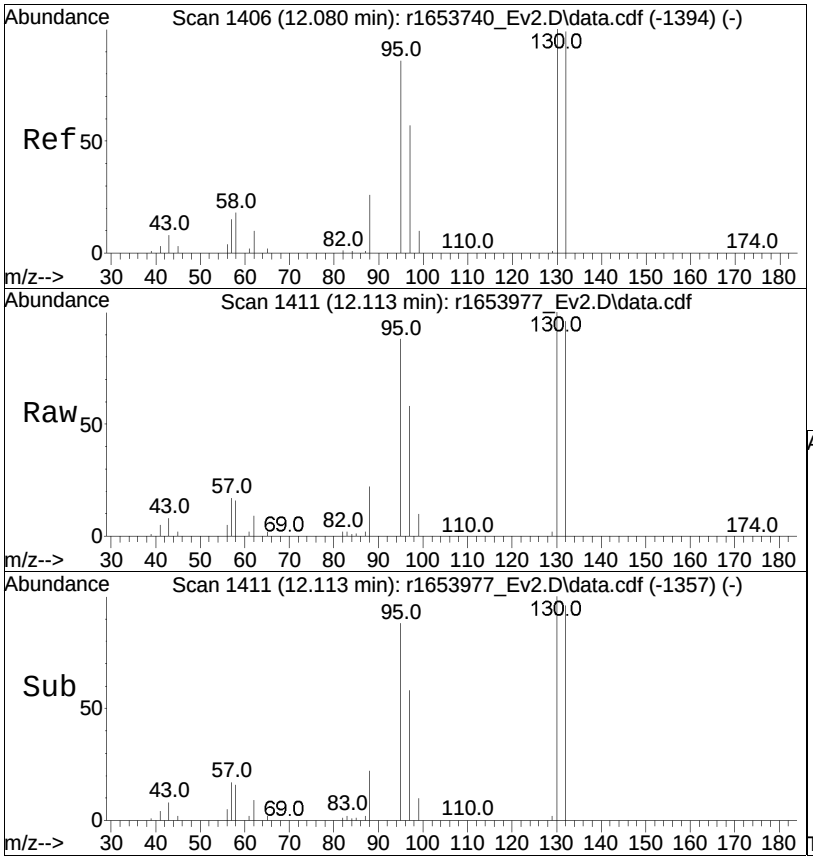


#43
1,4-dioxane
Concen: 5.99 ppbV
RT: 12.093 min Scan# 1408
Delta R.T. 0.027 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 88 Resp: 53760

Ion	Ratio	Lower	Upper
88	100		
58	70.1	54.1	81.1

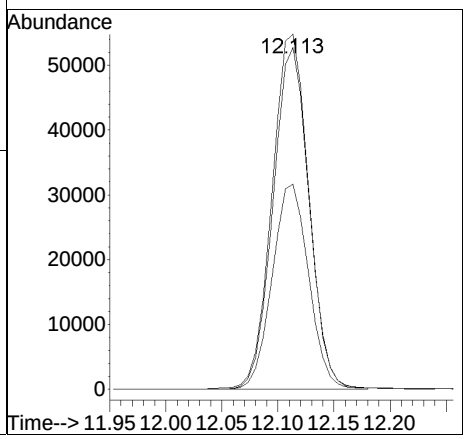


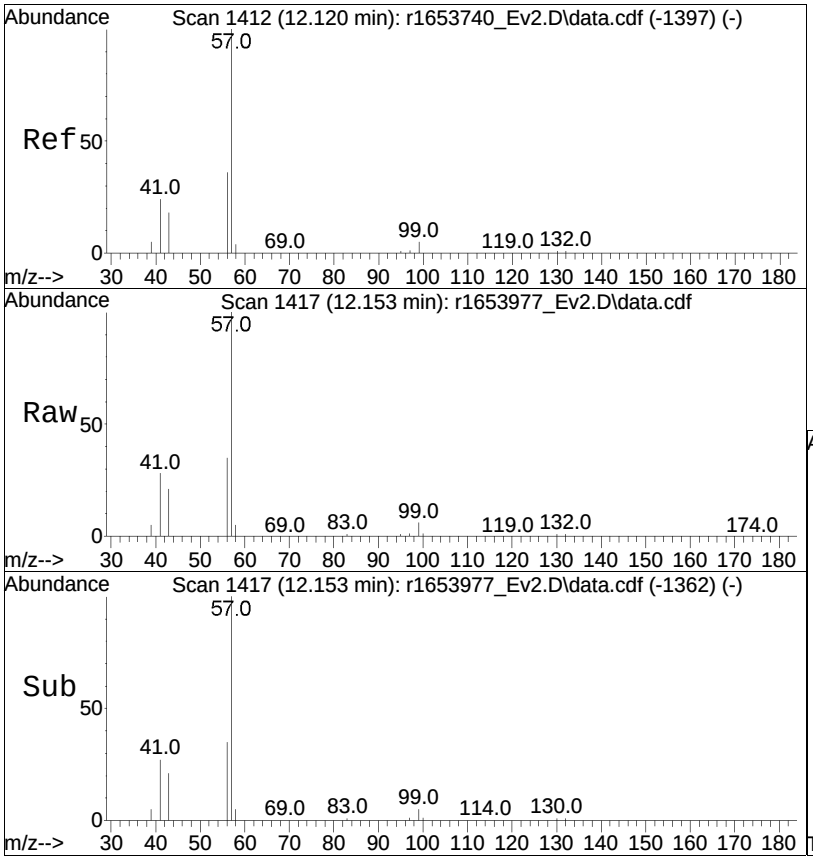


#44
trichloroethene
Concen: 6.12 ppbV
RT: 12.113 min Scan# 1411
Delta R.T. 0.033 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion:130 Resp: 124863

Ion	Ratio	Lower	Upper
130	100		
132	96.2	79.1	118.7
97	57.7	45.4	68.0

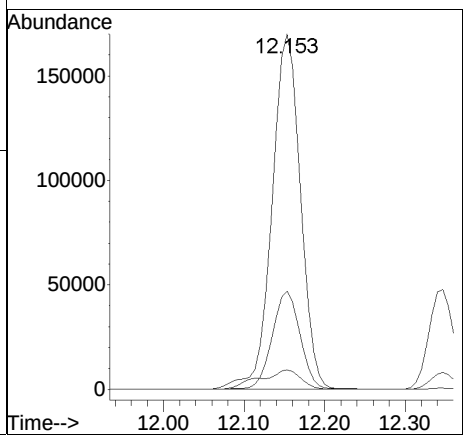


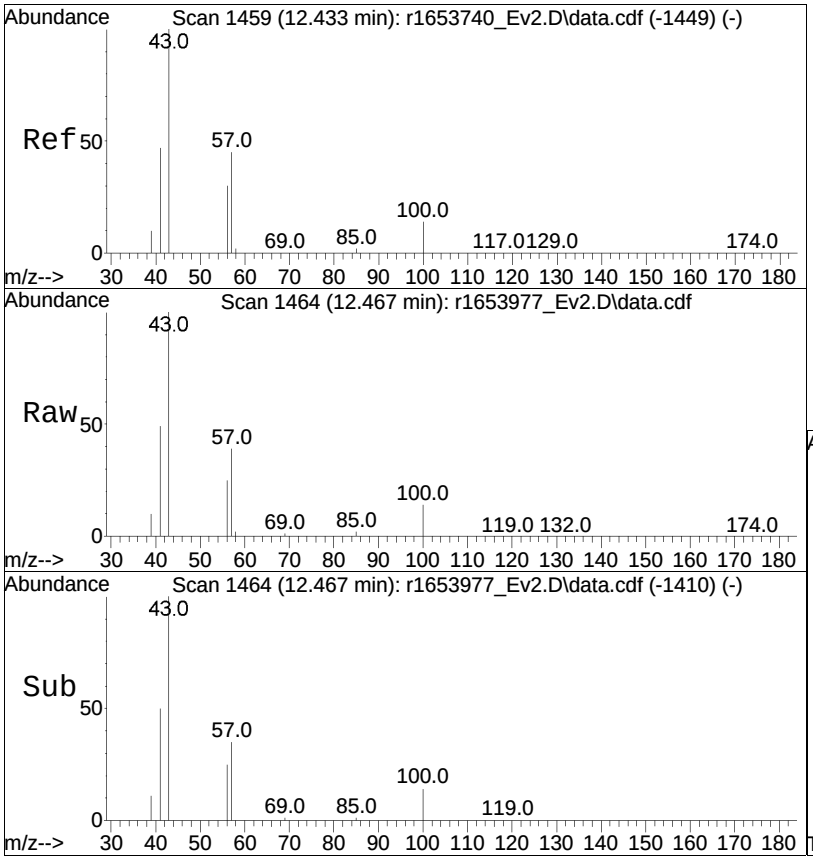


#45
2,2,4-trimethylpentane
Concen: 6.14 ppbV
RT: 12.153 min Scan# 1417
Delta R.T. 0.033 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 57 Resp: 418196

Ion	Ratio	Lower	Upper
57	100		
99	5.5	3.9	5.9
41	27.7	19.0	28.6

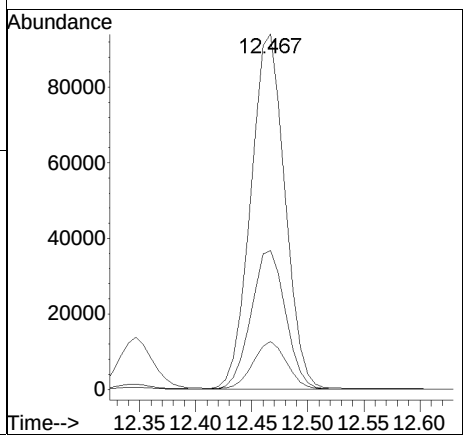


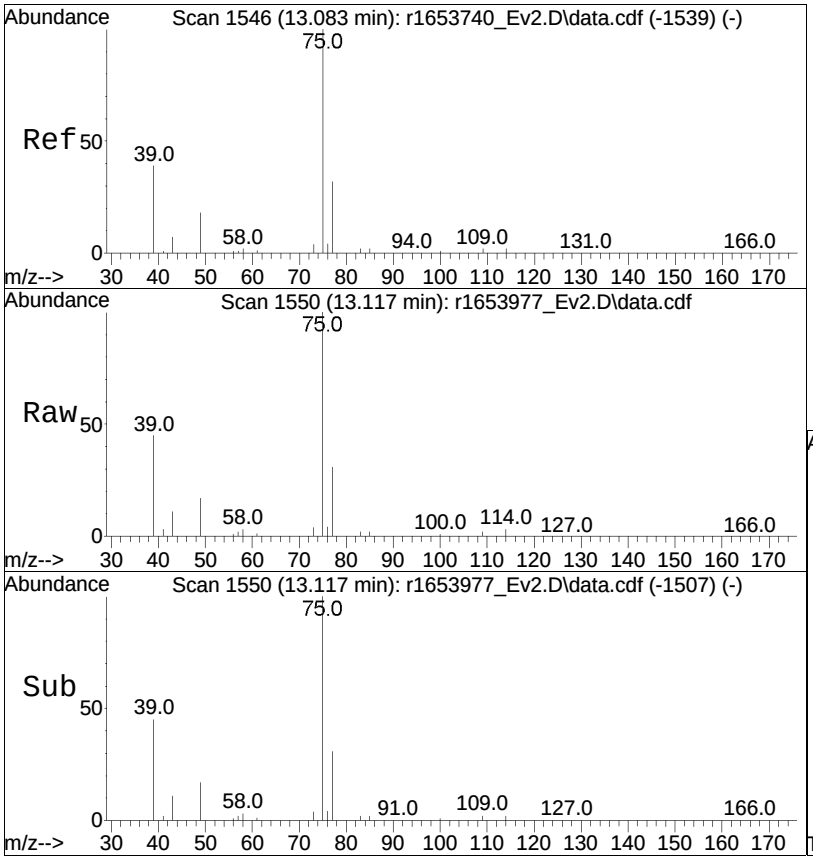


#46
heptane
Concen: 7.16 ppbV
RT: 12.467 min Scan# 1464
Delta R.T. 0.033 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 43 Resp: 199099

Ion	Ratio	Lower	Upper
43	100		
57	39.1	35.9	53.9
100	13.5	11.4	17.2

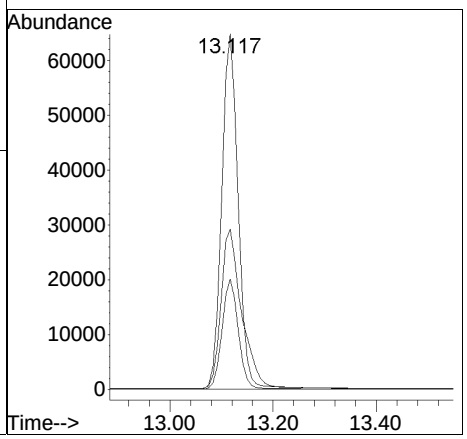


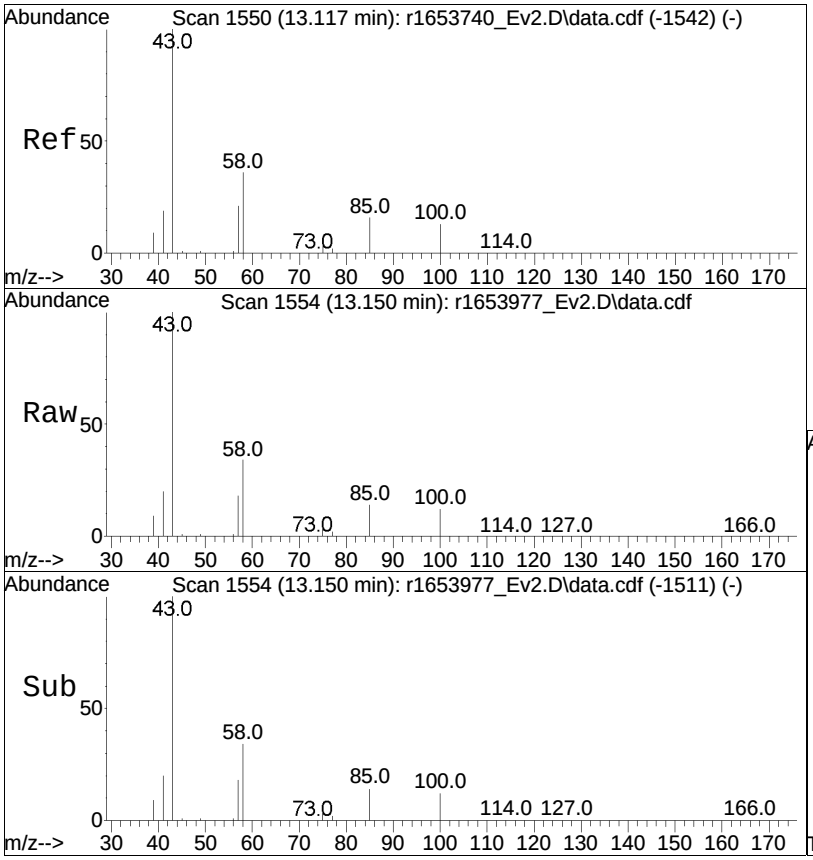


#47
cis-1,3-dichloropropene
Concen: 7.09 ppbV
RT: 13.117 min Scan# 1550
Delta R.T. 0.033 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 75 Resp: 144090

Ion	Ratio	Lower	Upper
75	100		
39	45.1	31.7	47.5
77	31.1	25.3	37.9

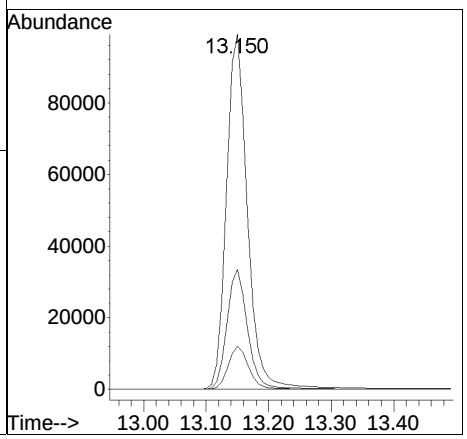


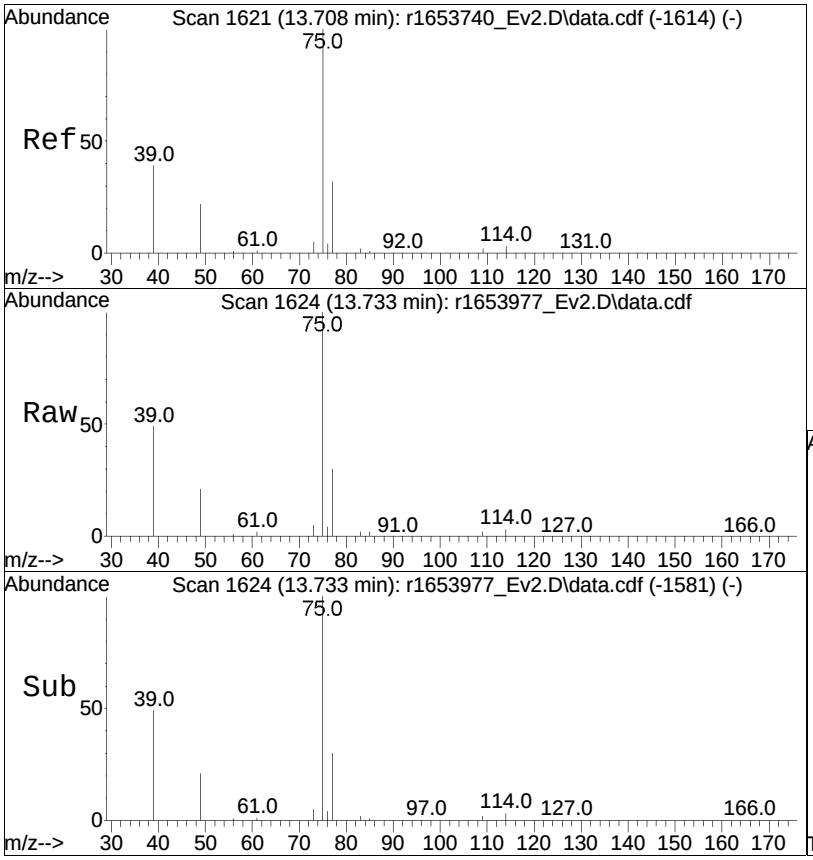


#48
4-methyl-2-pentanone
Concen: 7.28 ppbV
RT: 13.150 min Scan# 1554
Delta R.T. 0.033 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 43 Resp: 232052

Ion	Ratio	Lower	Upper
43	100		
58	33.8	28.7	43.1
100	12.2	10.2	15.2

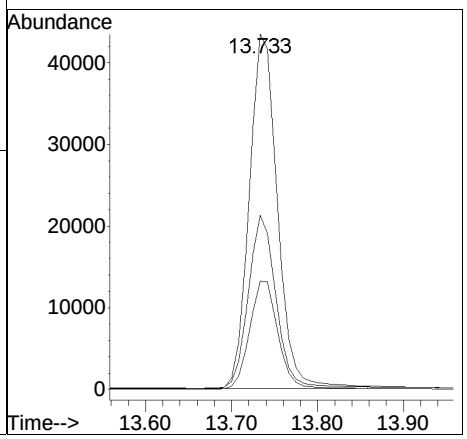


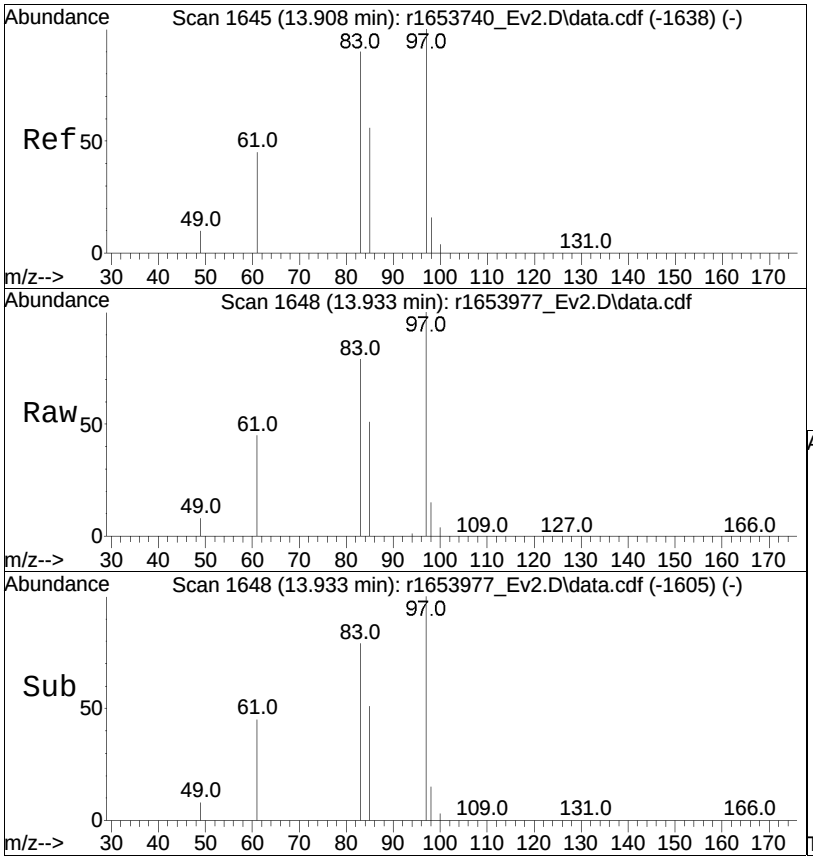


#49
trans-1,3-dichloropropene
Concen: 8.09 ppbV
RT: 13.733 min Scan# 1624
Delta R.T. 0.025 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 75 Resp: 99495

Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.7	38.5
39	49.0	31.8	47.6#

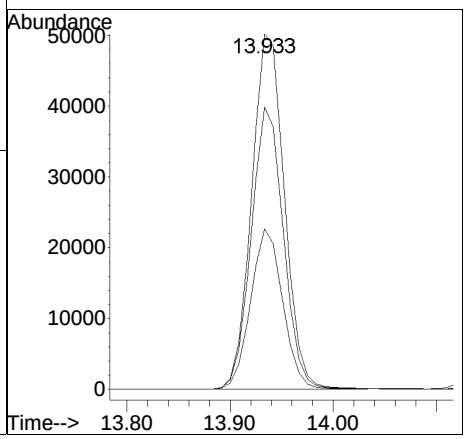


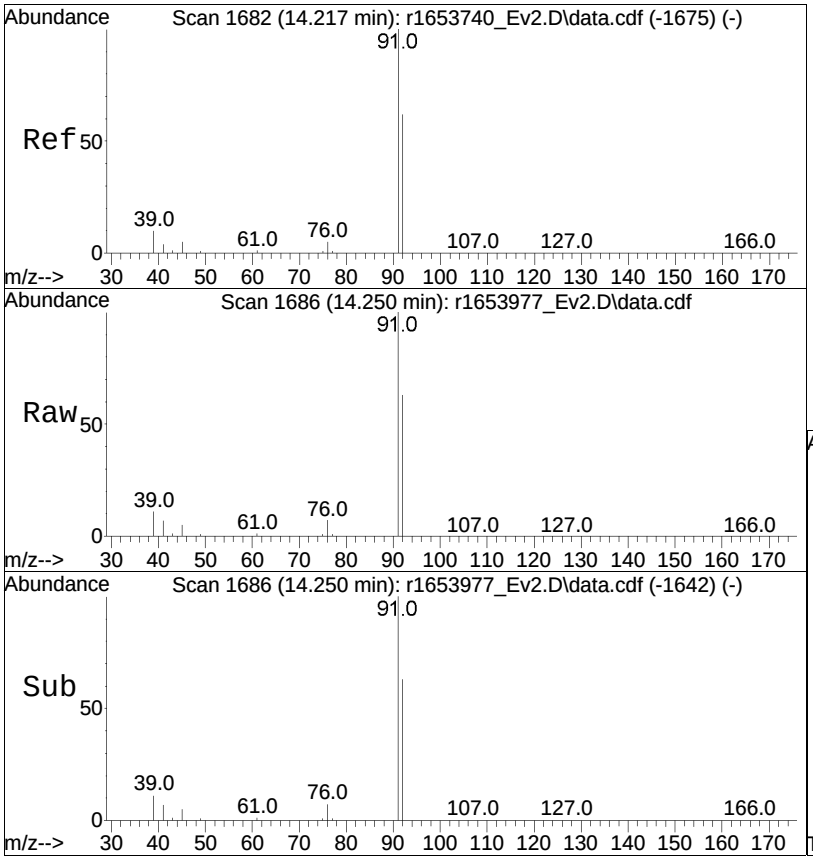


#50
1,1,2-trichloroethane
Concen: 6.87 ppbV
RT: 13.933 min Scan# 1648
Delta R.T. 0.025 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 97 Resp: 110774

Ion	Ratio	Lower	Upper
97	100		
83	79.4	72.4	108.6
61	45.1	36.1	54.1

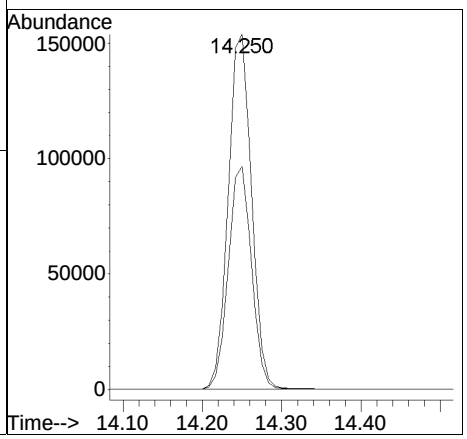


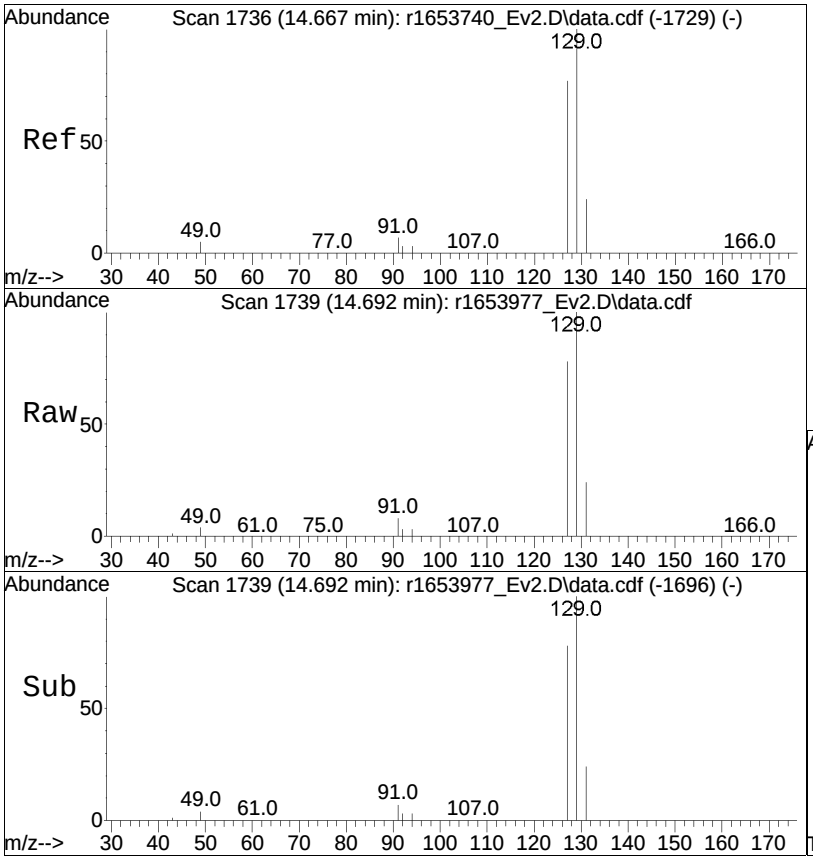


#52
toluene
Concen: 6.44 ppbV
RT: 14.250 min Scan# 1686
Delta R.T. 0.033 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 91 Resp: 315138

Ion	Ratio	Lower	Upper
91	100		
92	62.8	49.9	74.9

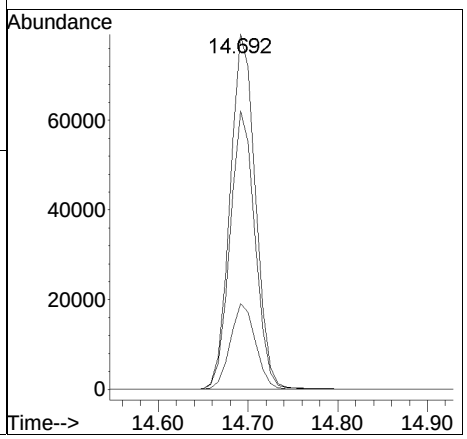


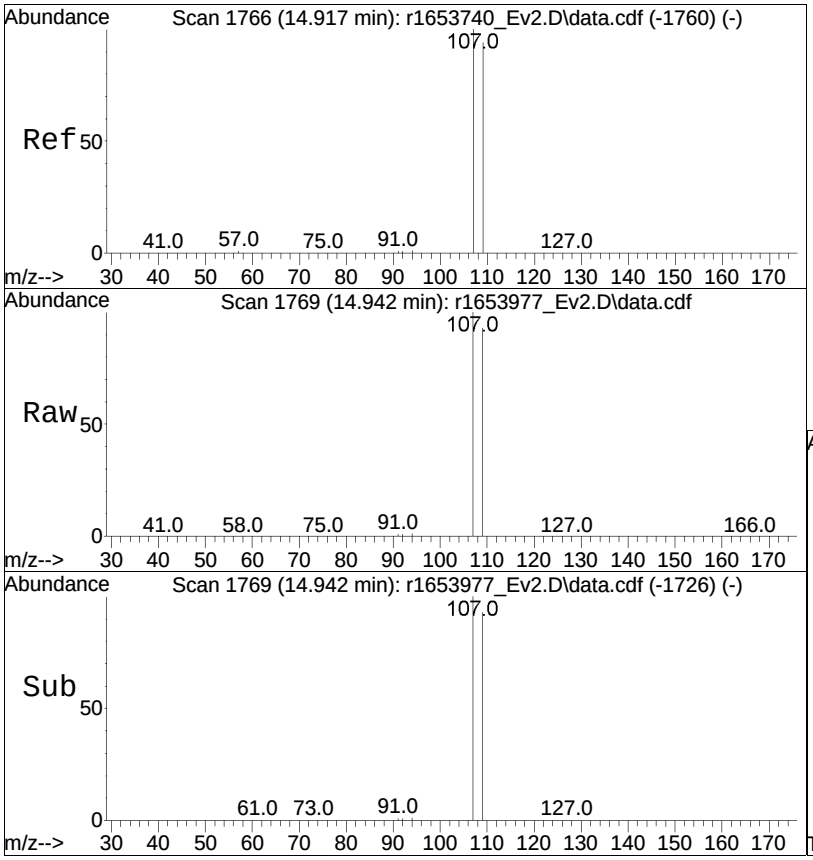


#55
dibromochloromethane
Concen: 8.59 ppbV
RT: 14.692 min Scan# 1739
Delta R.T. 0.025 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion:129 Resp: 155513

Ion	Ratio	Lower	Upper
129	100		
127	78.3	62.0	93.0
131	24.2	19.3	28.9

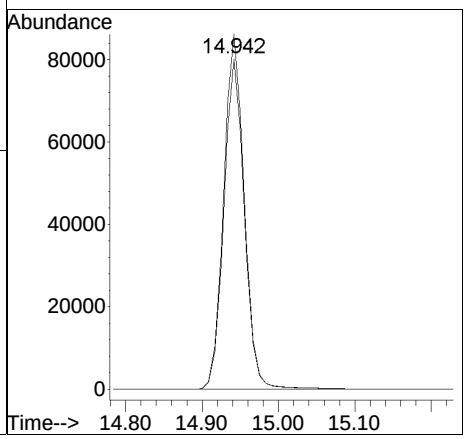


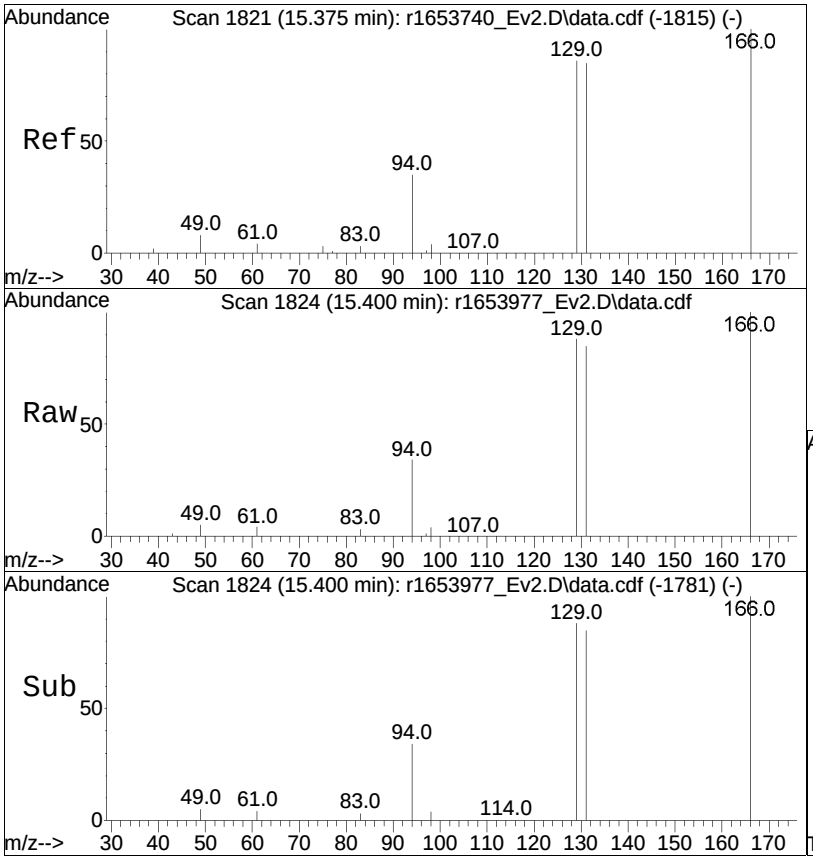


#56
1,2-dibromoethane
Concen: 6.44 ppbV
RT: 14.942 min Scan# 1769
Delta R.T. 0.025 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion:107 Resp: 161760

Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.4	113.0

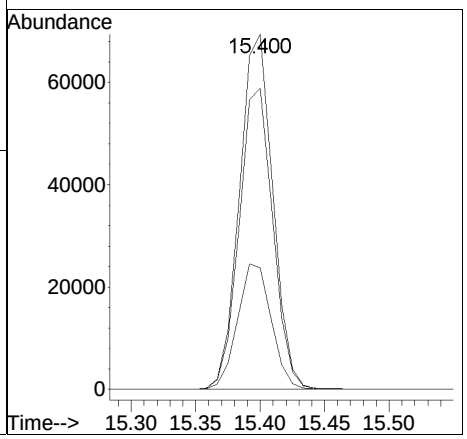


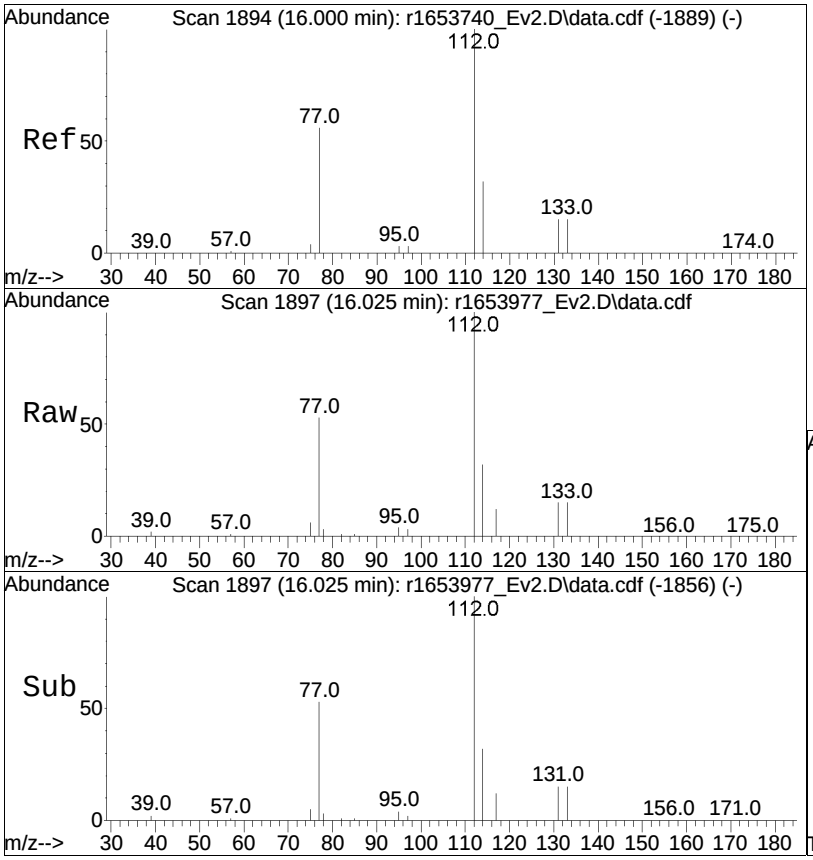


#57
tetrachloroethene
Concen: 6.24 ppbV
RT: 15.400 min Scan# 1824
Delta R.T. 0.025 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion:166 Resp: 125030

Ion	Ratio	Lower	Upper
166	100		
131	84.8	67.8	101.8
94	34.2	28.2	42.4

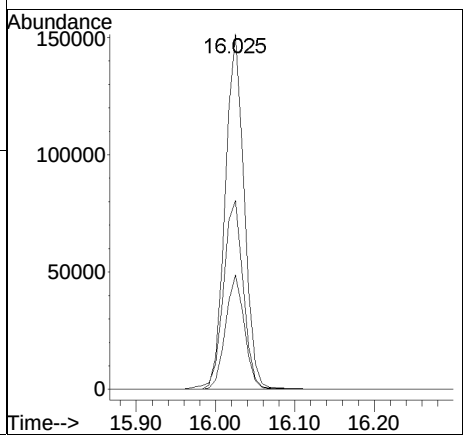


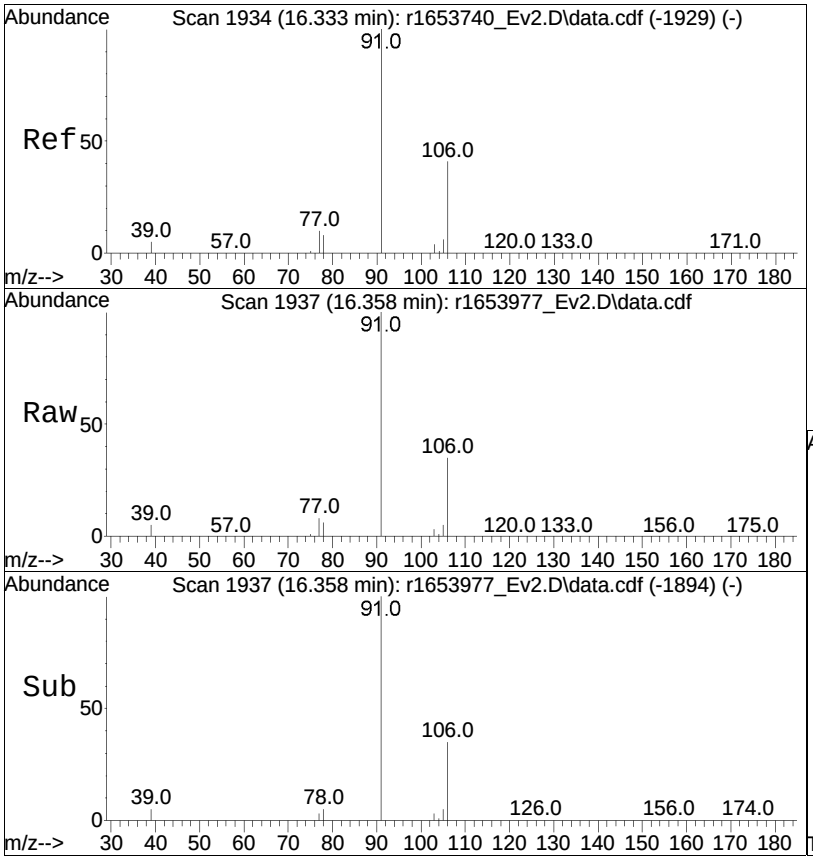


#59
chlorobenzene
Concen: 5.51 ppbV
RT: 16.025 min Scan# 1897
Delta R.T. 0.025 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion:112 Resp: 251858

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.3	37.9
77	53.3	45.5	68.3

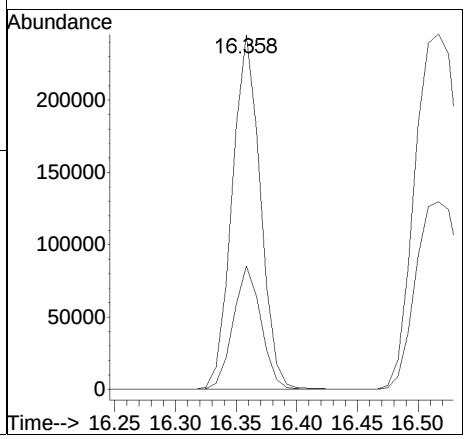


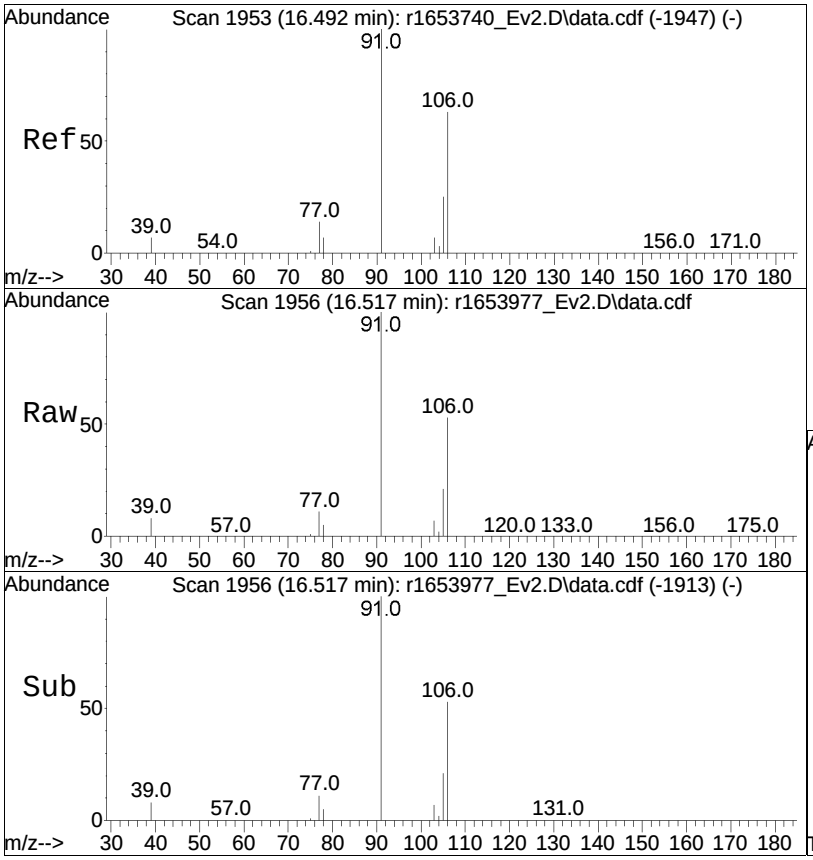


#60
ethylbenzene
Concen: 6.51 ppbV
RT: 16.358 min Scan# 1937
Delta R.T. 0.025 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 91 Resp: 395437

Ion	Ratio	Lower	Upper
91	100		
106	34.8	32.6	48.8

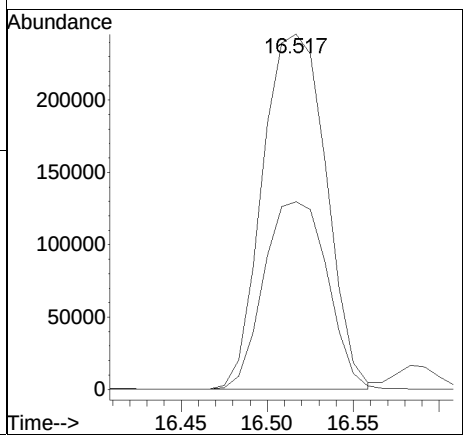


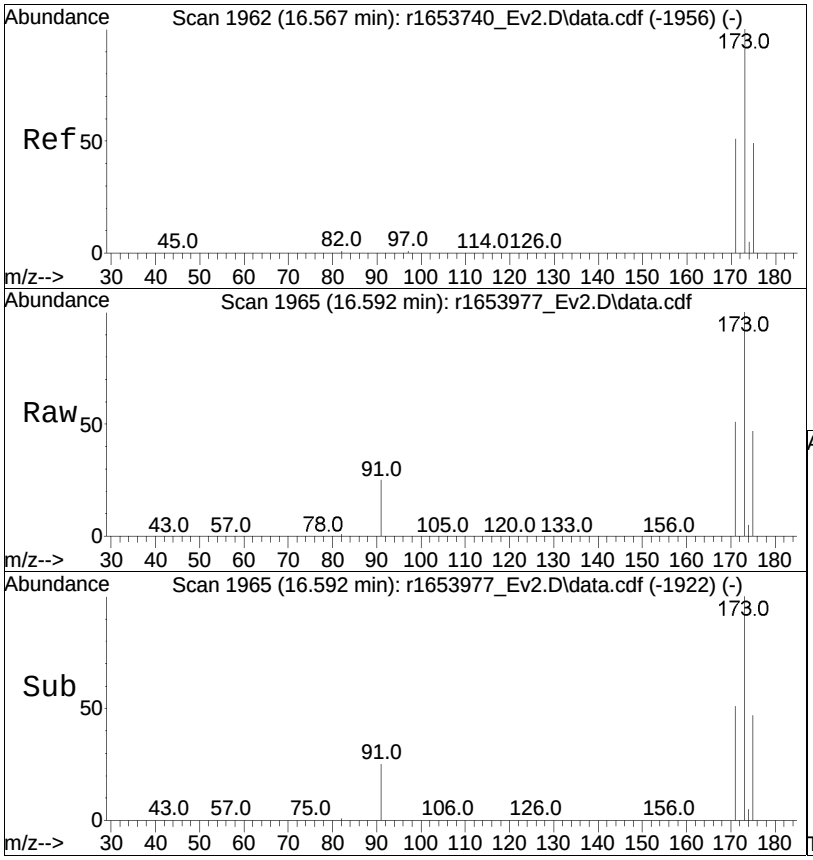


#61
m+p-xylene
Concen: 13.16 ppbV
RT: 16.517 min Scan# 1956
Delta R.T. 0.025 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 91 Resp: 630135

Ion	Ratio	Lower	Upper
91	100		
106	52.8	50.6	75.8

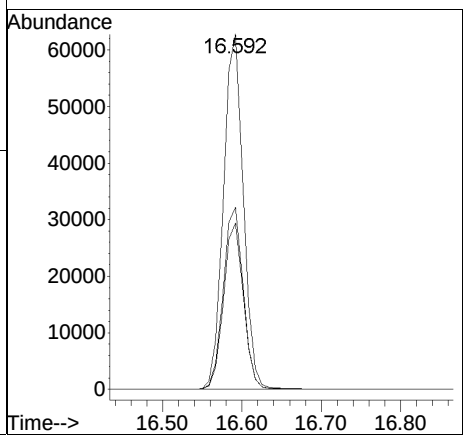


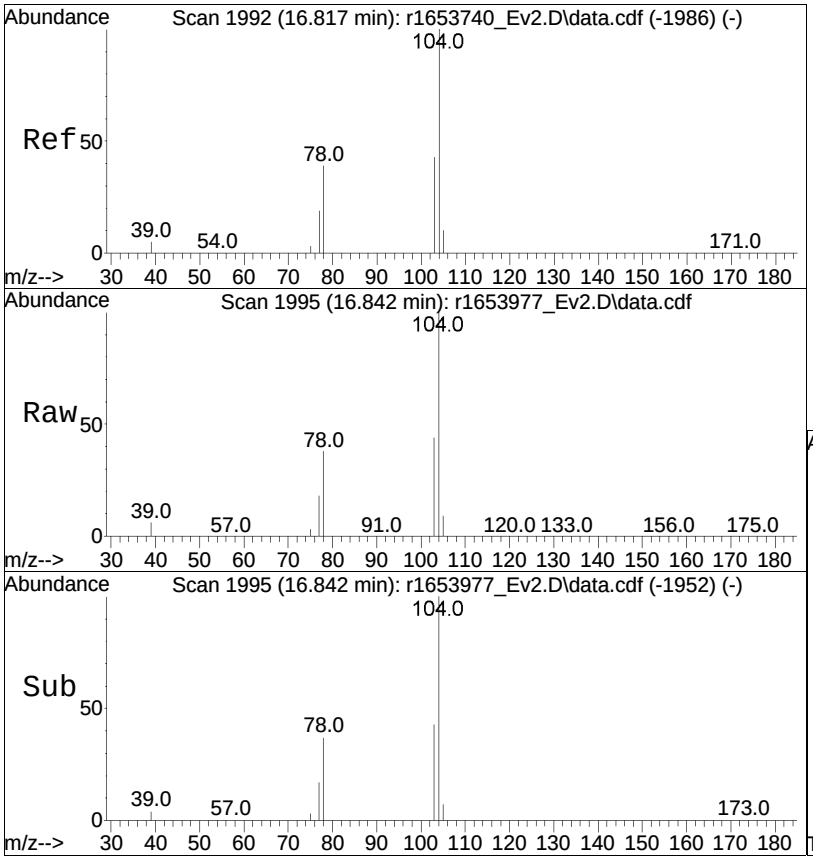


#62
bromoform
Concen: 9.32 ppbV
RT: 16.592 min Scan# 1965
Delta R.T. 0.025 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion:173 Resp: 109189

Ion	Ratio	Lower	Upper
173	100		
175	46.8	38.9	58.3
171	51.3	40.9	61.3

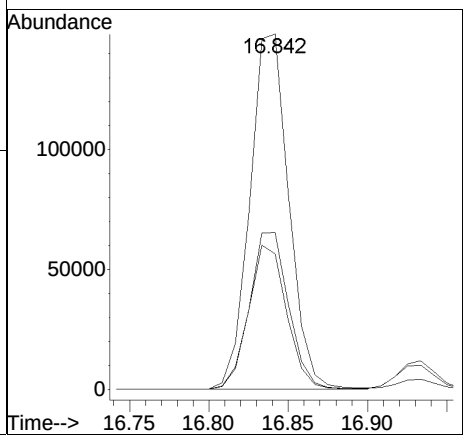


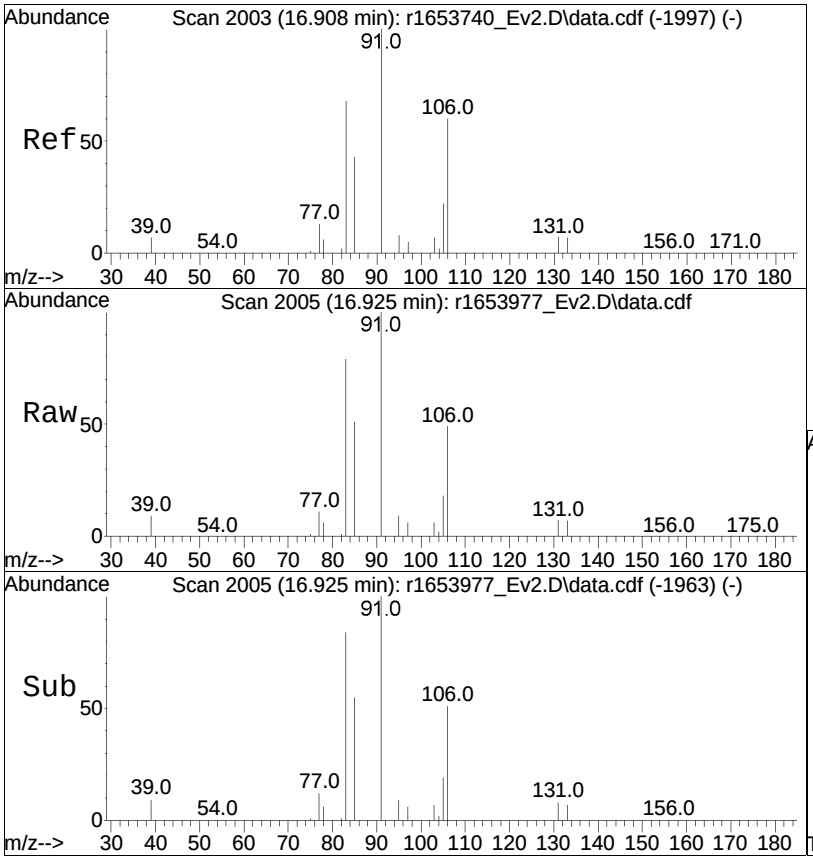


#63
styrene
Concen: 6.11 ppbV
RT: 16.842 min Scan# 1995
Delta R.T. 0.025 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion:104 Resp: 253497

Ion	Ratio	Lower	Upper
104	100		
103	44.1	34.7	52.1
78	38.1	30.8	46.2

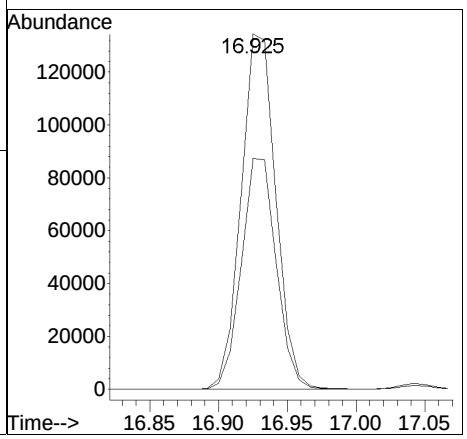


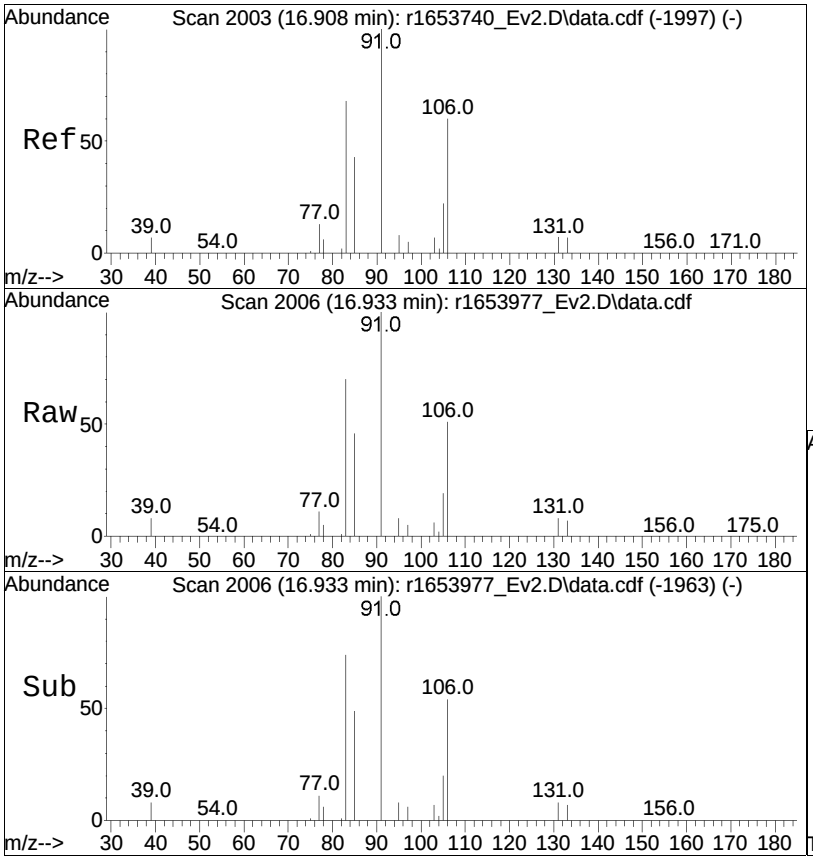


#64
1,1,2,2-tetrachloroethane
Concen: 6.71 ppbV
RT: 16.925 min Scan# 2005
Delta R.T. 0.017 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 83 Resp: 236137

Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.2	75.4

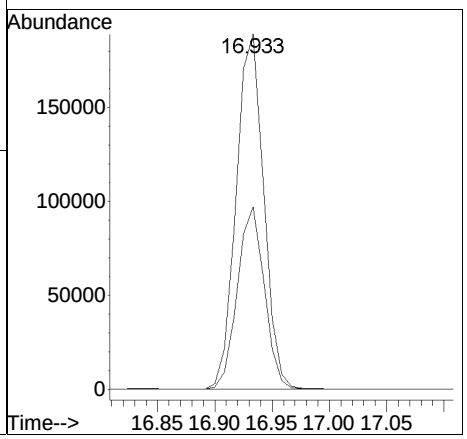


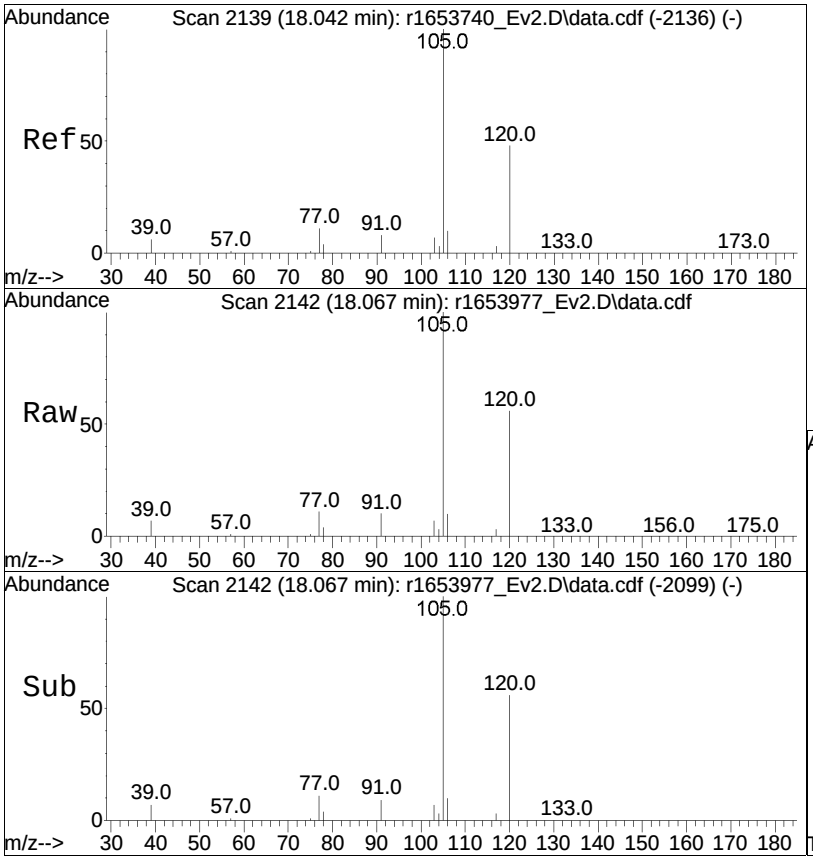


#65
o-xylene
Concen: 6.46 ppbV
RT: 16.933 min Scan# 2006
Delta R.T. 0.025 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 91 Resp: 316155

Ion	Ratio	Lower	Upper
91	100		
106	51.4	48.2	72.4

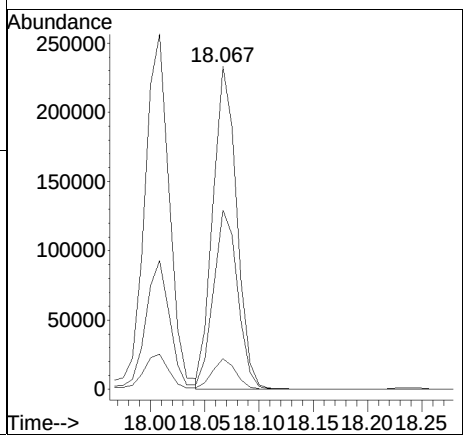


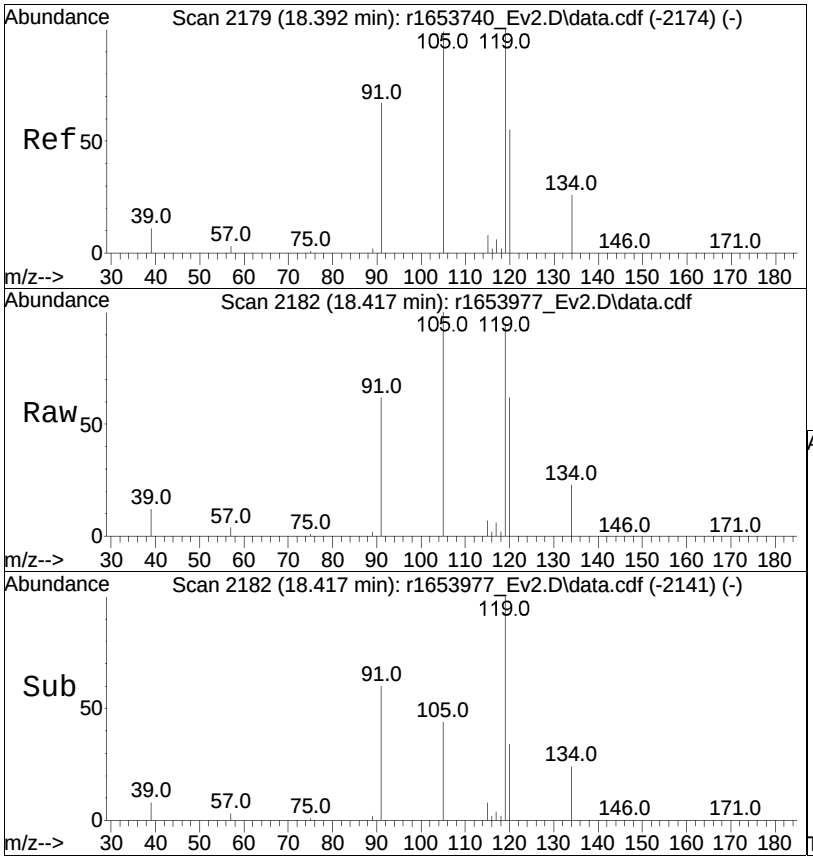


#71
1,3,5-trimethylbenzene
Concen: 5.99 ppbV
RT: 18.067 min Scan# 2142
Delta R.T. 0.025 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion:105 Resp: 356949

Ion	Ratio	Lower	Upper
105	100		
120	55.6	38.0	57.0
91	9.5	6.8	10.2

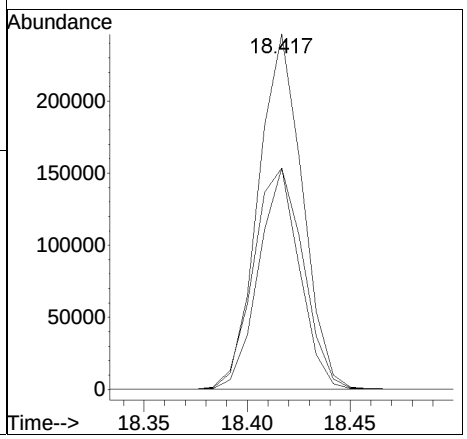


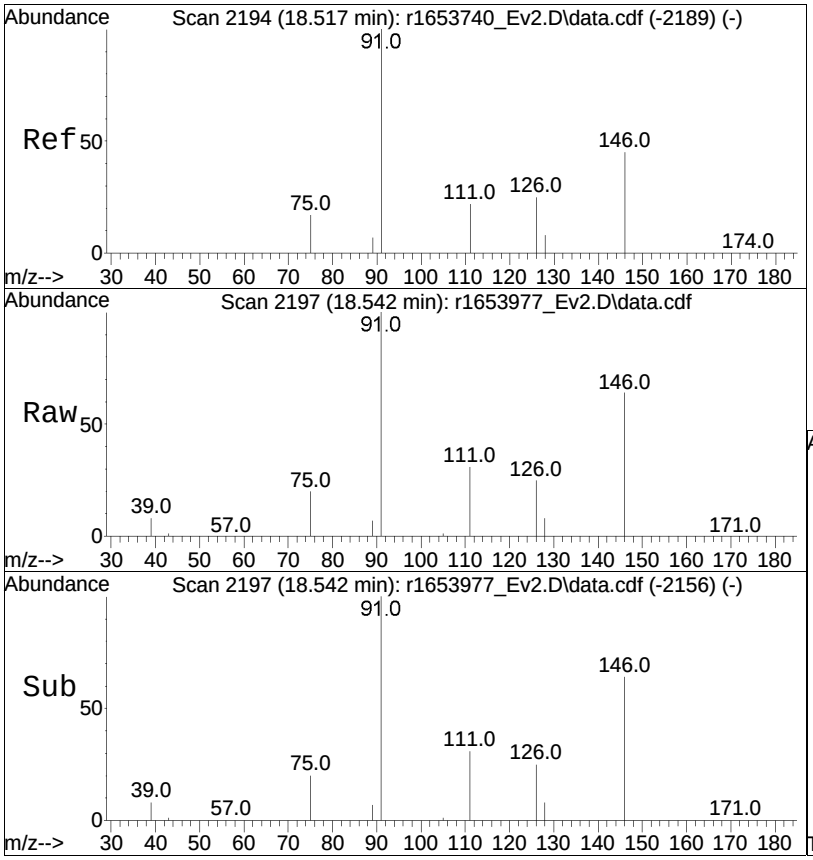


#73
1,2,4-trimethylbenzene
Concen: 6.01 ppbV
RT: 18.417 min Scan# 2182
Delta R.T. 0.025 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion:105 Resp: 366420

Ion	Ratio	Lower	Upper
105	100		
120	62.3	44.9	67.3
91	62.3	53.8	80.8

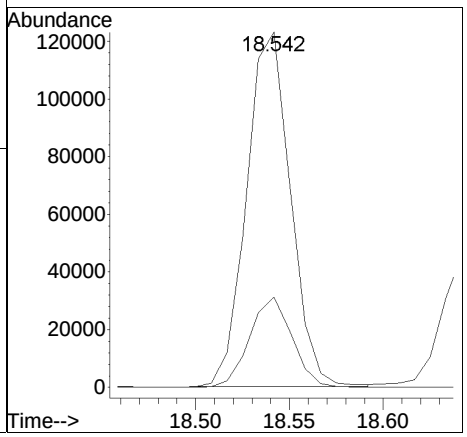


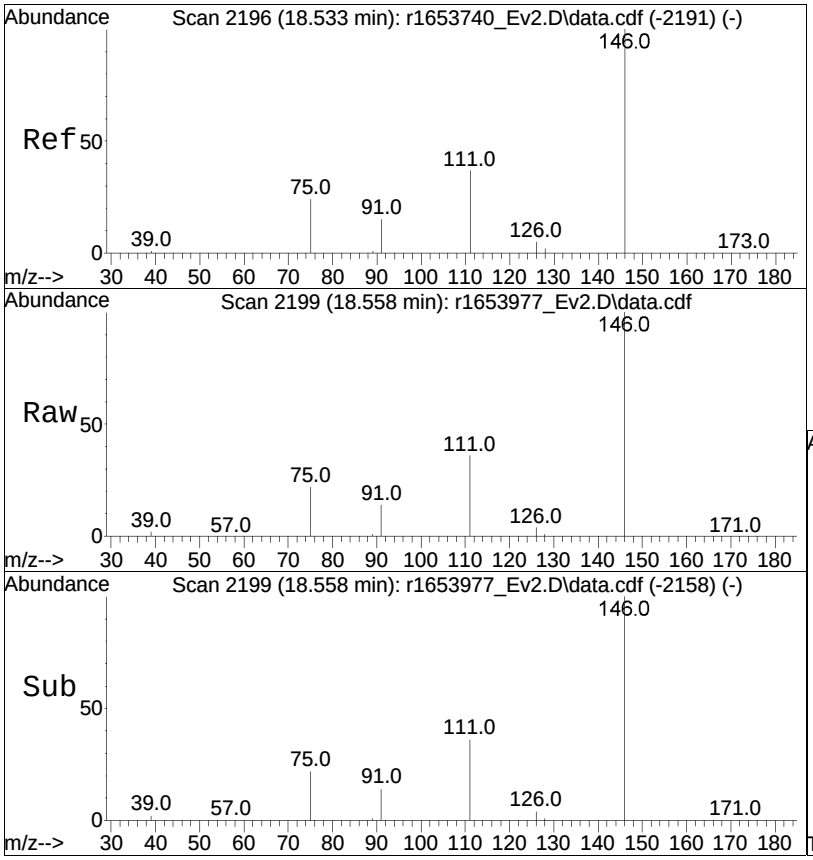


#74
Benzyl Chloride
Concen: 7.18 ppbV
RT: 18.542 min Scan# 2197
Delta R.T. 0.025 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion: 91 Resp: 200529

Ion	Ratio	Lower	Upper
91	100		
126	25.4	19.8	29.6

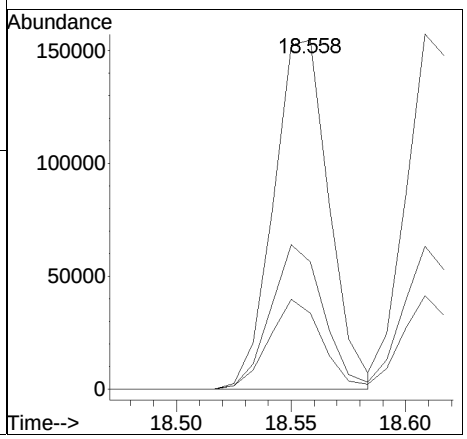


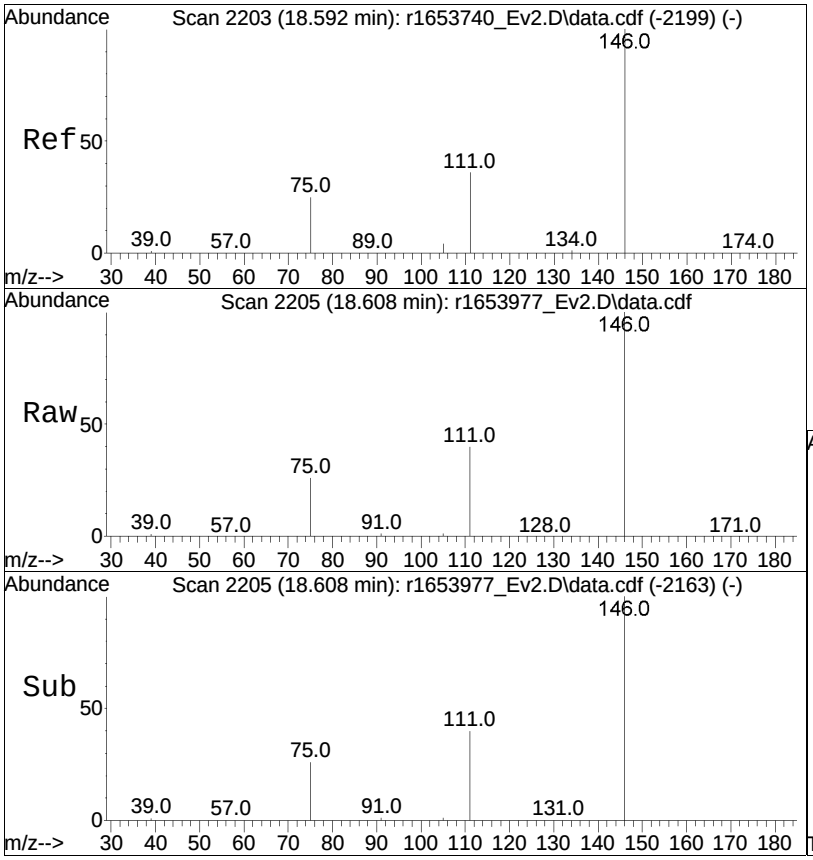


#75
1,3-dichlorobenzene
Concen: 6.36 ppbV
RT: 18.558 min Scan# 2199
Delta R.T. 0.025 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion:146 Resp: 260036

Ion	Ratio	Lower	Upper
146	100		
111	36.5	29.7	44.5
75	21.8	19.6	29.4

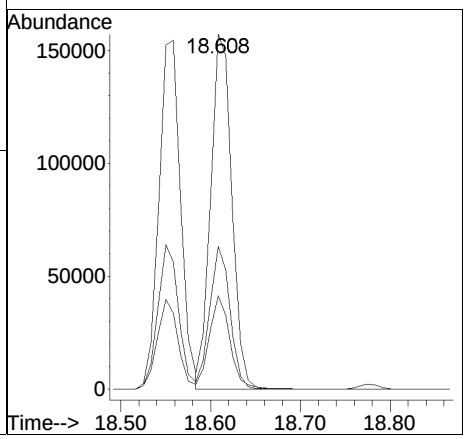


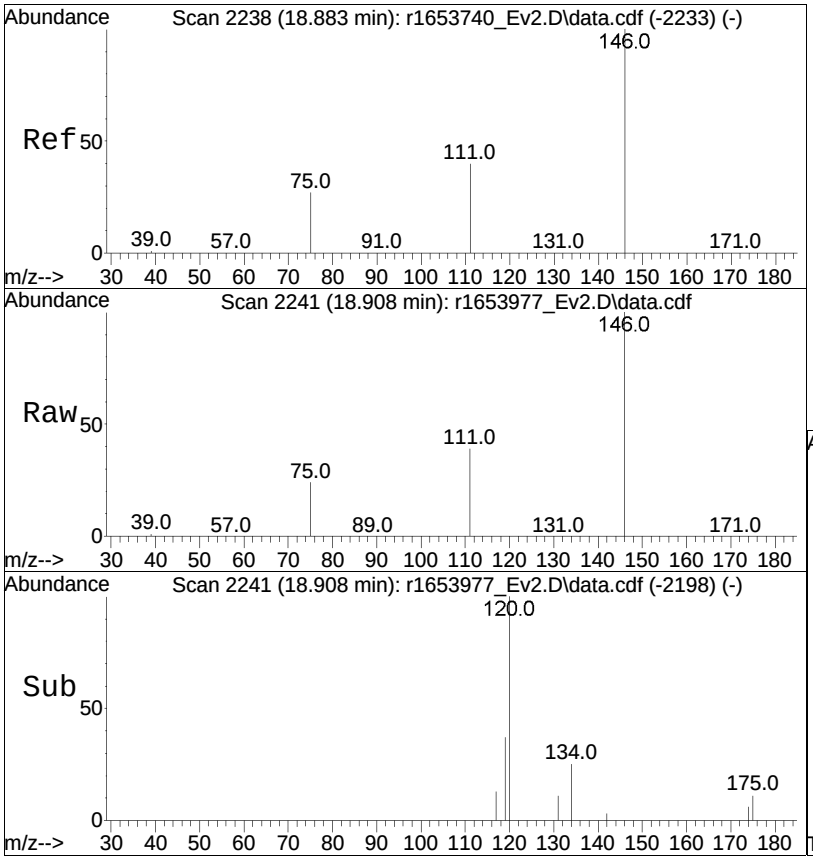


#76
1,4-dichlorobenzene
Concen: 6.25 ppbV
RT: 18.608 min Scan# 2205
Delta R.T. 0.017 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion:146 Resp: 258179

Ion	Ratio	Lower	Upper
146	100		
111	40.3	28.5	42.7
75	26.3	19.8	29.6

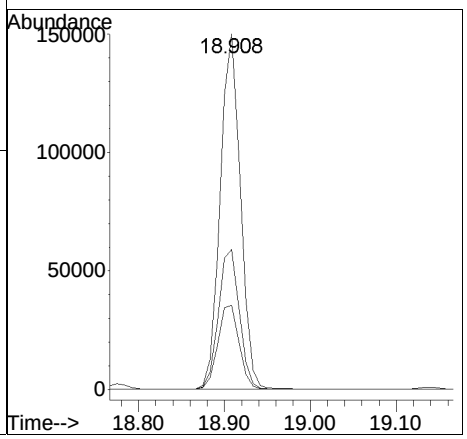


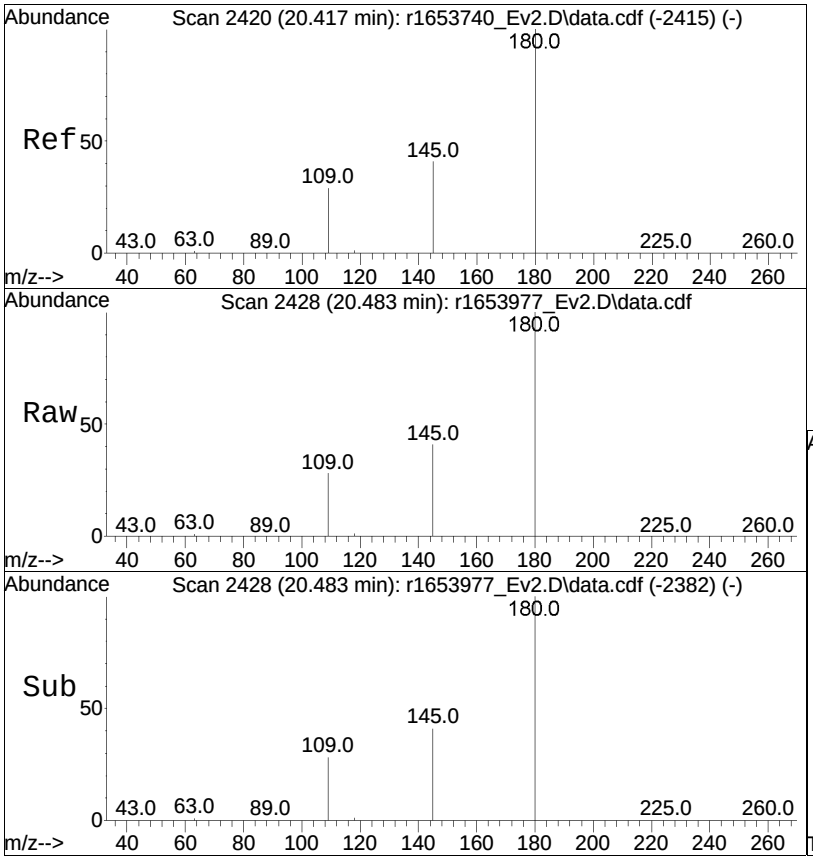


#79
1,2-dichlorobenzene
Concen: 6.31 ppbV
RT: 18.908 min Scan# 2241
Delta R.T. 0.025 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion:146 Resp: 245230

Ion	Ratio	Lower	Upper
146	100		
111	39.4	32.2	48.4
75	23.6	21.3	31.9

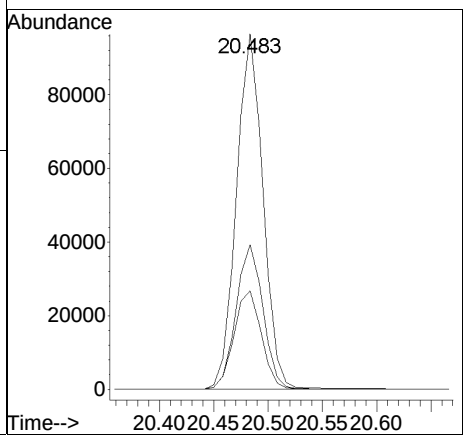


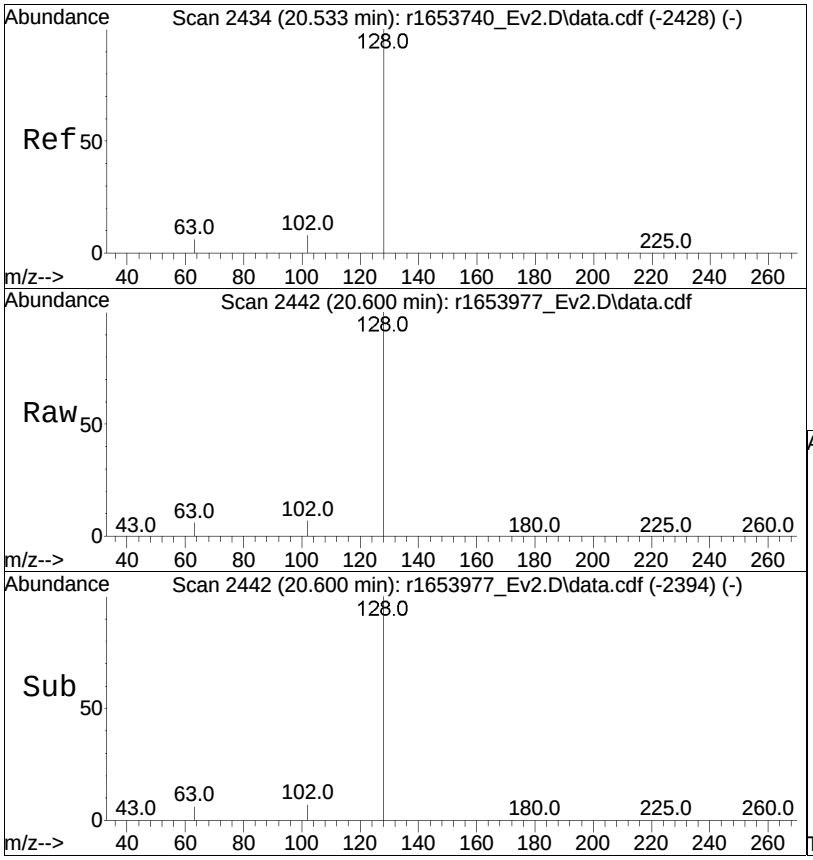


#82
1,2,4-trichlorobenzene
Concen: 7.32 ppbV
RT: 20.483 min Scan# 2428
Delta R.T. 0.067 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion:180 Resp: 164659

Ion	Ratio	Lower	Upper
180	100		
145	40.8	32.5	48.7
109	27.8	23.2	34.8

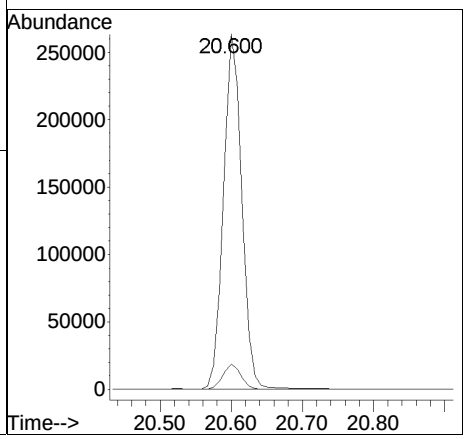


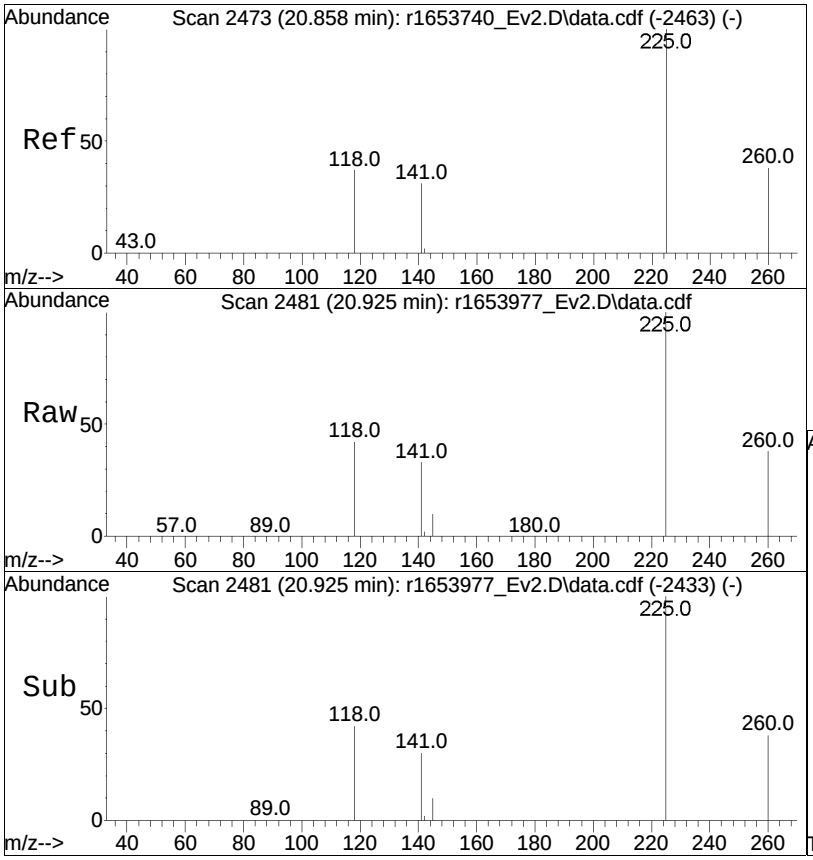


#83
naphthalene
Concen: 6.01 ppbV
RT: 20.600 min Scan# 2442
Delta R.T. 0.067 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion:128 Resp: 473225

Ion	Ratio	Lower	Upper
128	100		
102	7.2	6.2	9.4

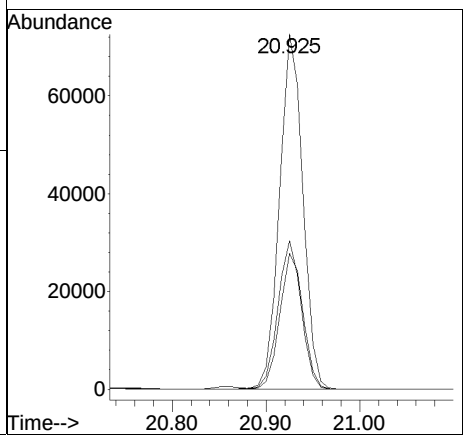




#85
hexachlorobutadiene
Concen: 7.50 ppbV
RT: 20.925 min Scan# 2481
Delta R.T. 0.067 min
Lab File: r1653977_Ev2.D
Acq: 3 Feb 2026 12:34 PM

Tgt Ion:225 Resp: 125427

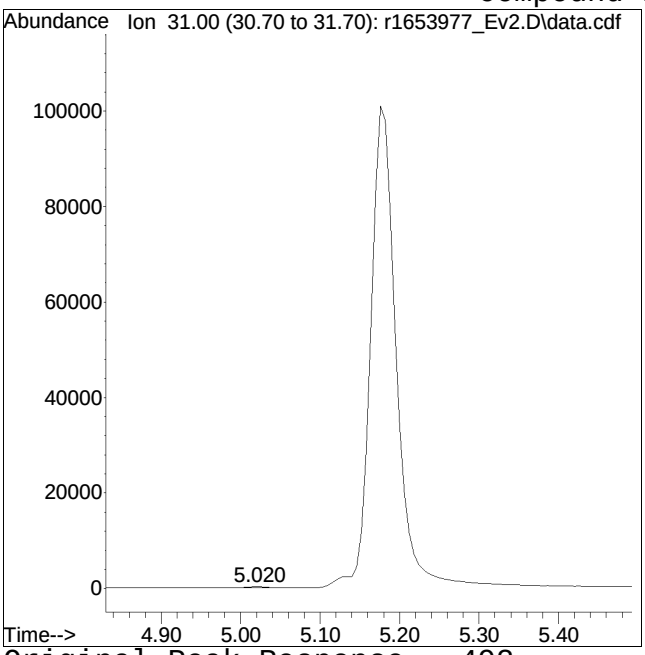
Ion	Ratio	Lower	Upper
225	100		
260	38.3	30.3	45.5
118	41.9	30.1	45.1

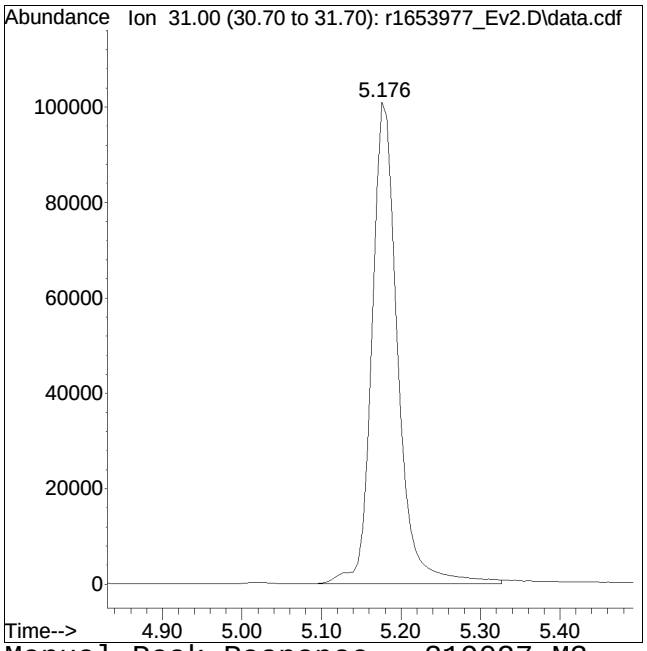


Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_260120.M
Data File : r1653977_Ev2.D Operator : AIRLAB16:TPH
Date Inj'd : 2/3/2026 12:34 PM Instrument :
Sample : WG2171920-3,3,250,250 Quant Date : 2/3/2026 1:54 pm

Compound #10: ethanol





Original Peak Response = 492 Manual Peak Response = 219027 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 : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238359.D
Acq On : 03 Feb 2026 01:47 am
Operator : AIRLAB23:TPH
Sample : WG2171514-5,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 03 07:42:08 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2026\02\0202SIM\R238353.D
Sub List : 7-NY-SIM - .

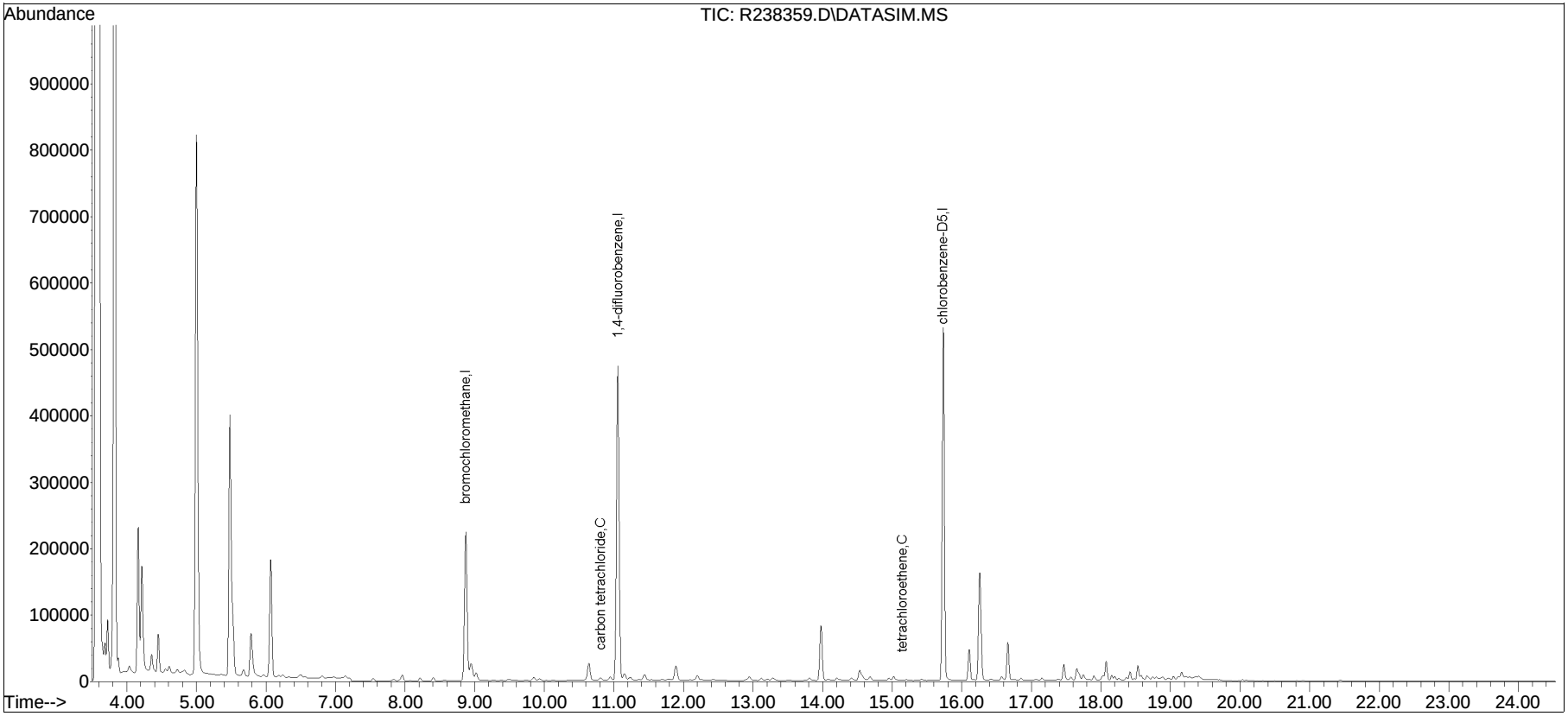
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.873	49	224511	10.000	ppbV	0.00
Standard Area = 256103			Recovery =		87.66%	
33) 1,4-difluorobenzene	11.059	114	765495	10.000	ppbV	0.00
Standard Area = 957969			Recovery =		79.91%	
51) chlorobenzene-D5	15.728	54	100578	10.000	ppbV	0.00
Standard Area = 117966			Recovery =		85.26%	
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	0.000		0	N.D.		
17) 1,1-dichloroethene	0.000		0	N.D.	d	
28) cis-1,2-dichloroethene	0.000		0	N.D.		
36) 1,1,1-trichloroethane	0.000		0	N.D.		
38) carbon tetrachloride	10.814	117	3941	0.076	ppbV	99
44) trichloroethene	0.000		0	N.D.		
57) tetrachloroethene	15.150	166	556	0.012	ppbV #	88

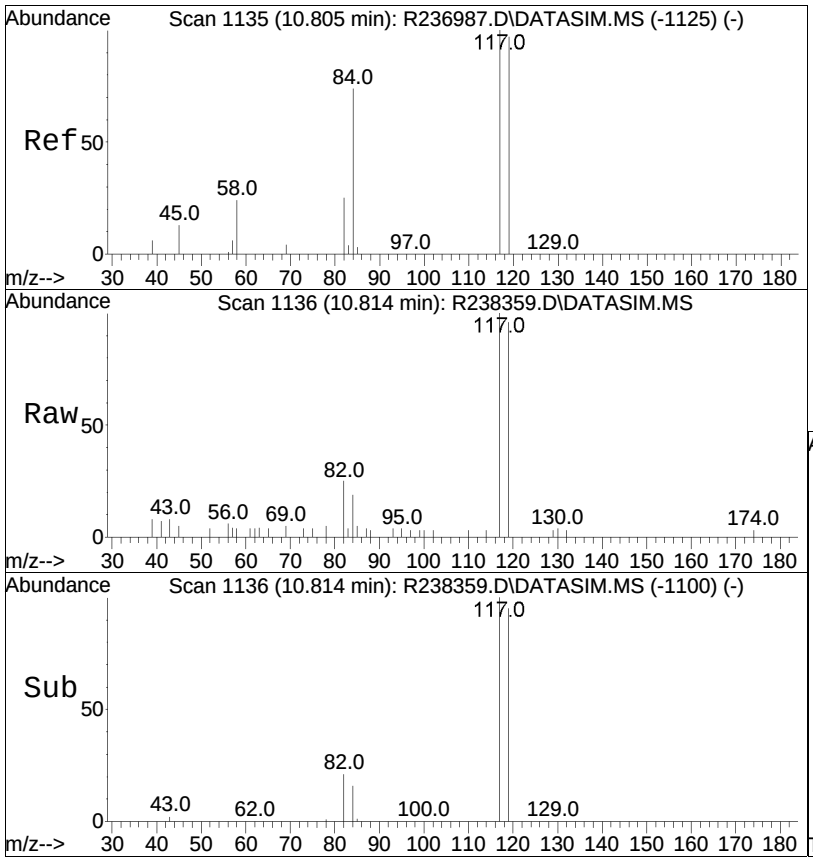
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab23\2026\02\0202SIM\R238353.D

Data Path : X:\Airlab\Data\Airlab23\2026\02\0202SIM\
Data File : R238359.D
Acq On : 03 Feb 2026 01:47 am
Operator : AIRLAB23:TPH
Sample : WG2171514-5,3,250,250
Misc : WG2171514,ICAL22841
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 03 07:42:08 2026
Quant Method : X:\Airlab\Data\Airlab23\2026\02\0202SIM\TSIM23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 16:05:00 2025
Response via : Initial Calibration

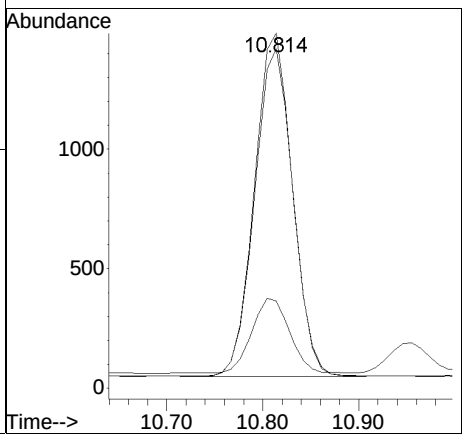


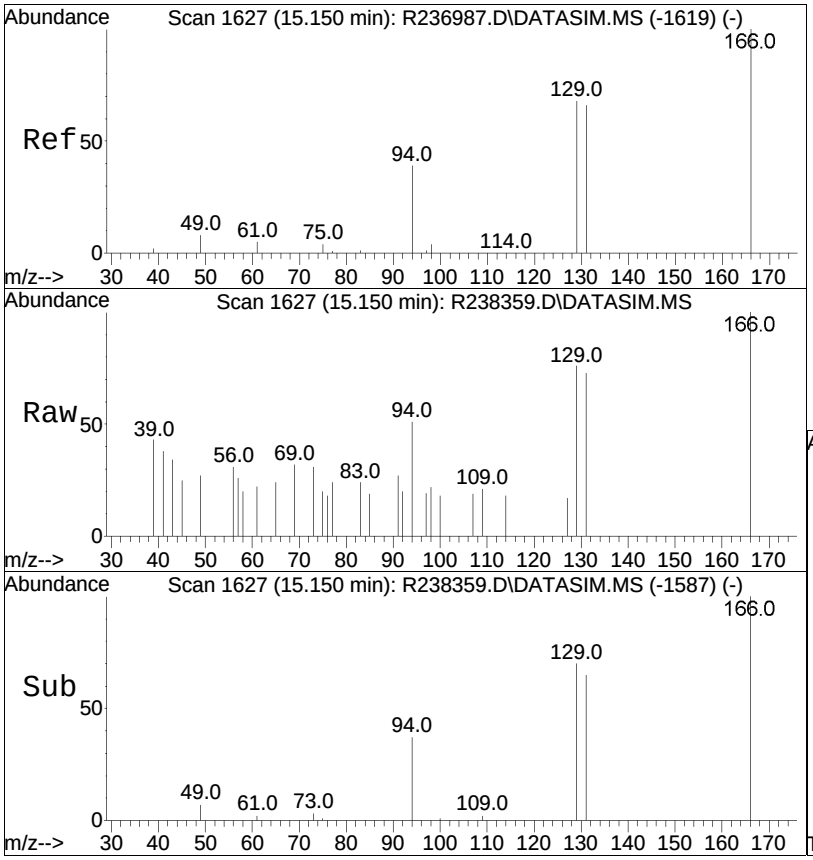


#38
carbon tetrachloride
Concen: 0.08 ppbV
RT: 10.814 min Scan# 1136
Delta R.T. 0.009 min
Lab File: R238359.D
Acq: 03 Feb 2026 01:47 am

Tgt Ion:117 Resp: 3941

Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.4	116.0
82	24.6	20.3	30.5

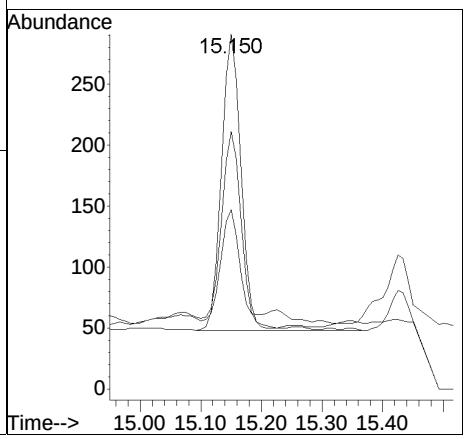




#57
tetrachloroethene
Concen: 0.01 ppbV
RT: 15.150 min Scan# 1627
Delta R.T. -0.000 min
Lab File: R238359.D
Acq: 03 Feb 2026 01:47 am

Tgt Ion:166 Resp: 556

Ion	Ratio	Lower	Upper
166	100		
131	72.5	53.0	79.6
94	50.5	31.0	46.6#



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab23\20	QMethod	: TSIM23_251121.M
Data File	: R238359.D	Operator	: AIRLAB23:TPH
Date Inj'd	: 2/3/2026 1:47 am	Instrument	: Airlab23
Sample	: WG2171514-5,3,250,250	Quant Date	: 2/3/2026 7:42 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\
Data File : r442297_Ev2.D
Acq On : 4 Feb 2026 1:52 AM
Operator : AIRPIANO4:TPH
Sample : WG2171899-5,3,250,250
Misc : WG2171899,ICAL22994
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 04 06:44:18 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:55 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\r442283_Ev2.D
Sub List : 7-NY-SIM - .

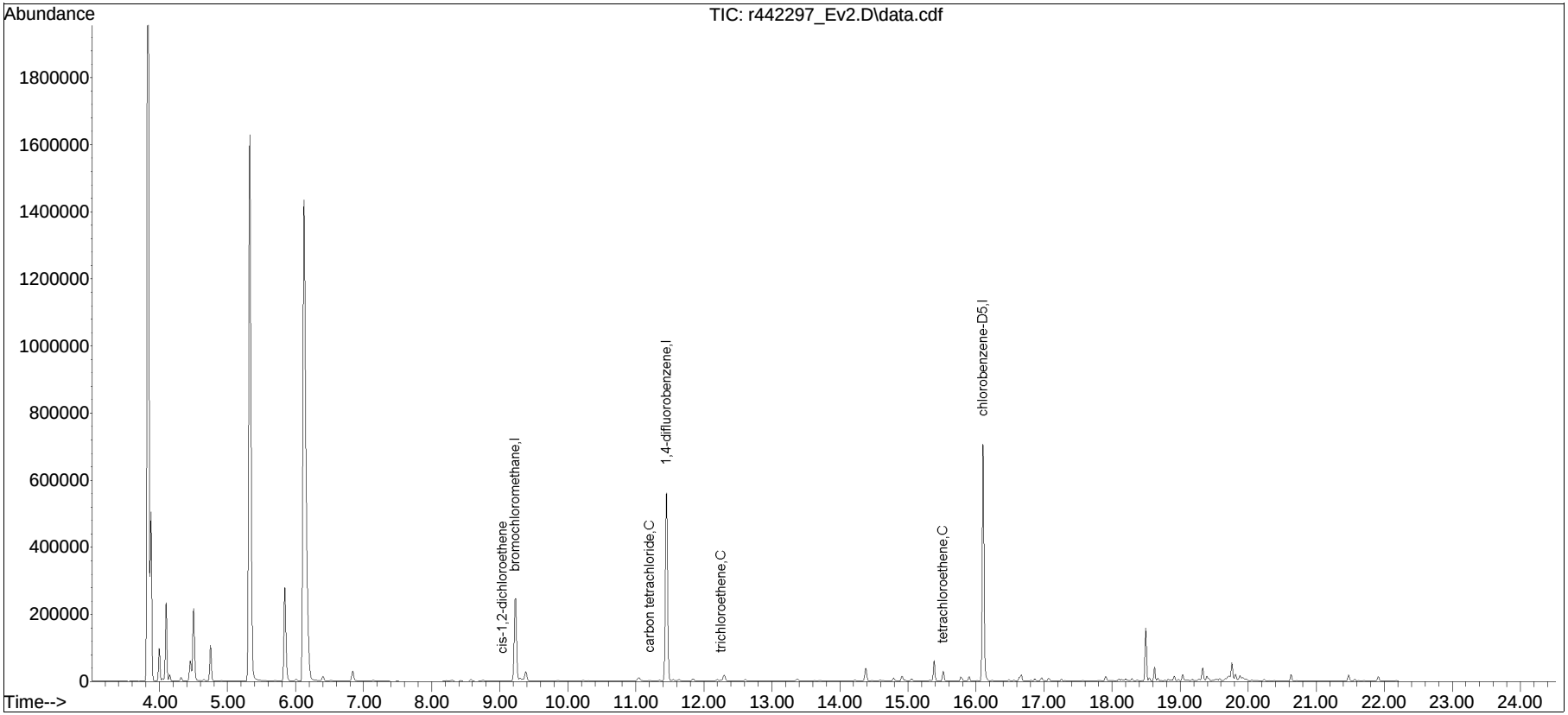
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.225	49	287707	10.000	ppbV	0.00
Standard Area = 346658			Recovery =		82.99%	
33) 1,4-difluorobenzene	11.453	114	796240	10.000	ppbV	0.00
Standard Area = 993616			Recovery =		80.14%	
51) chlorobenzene-D5	16.100	54	116338	10.000	ppbV	0.00
Standard Area = 132612			Recovery =		87.73%	
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	4.552		0	N.D.		
17) 1,1-dichloroethene	6.708		0	N.D.		
28) cis-1,2-dichloroethene	9.042	61	338	0.013	ppbV	84
36) 1,1,1-trichloroethane	10.492		0	N.D.		
38) carbon tetrachloride	11.207	117	1867	0.097	ppbV	91
44) trichloroethene	12.253	130	1840	0.066	ppbV	96
57) tetrachloroethene	15.517	166	21351	0.508	ppbV	99

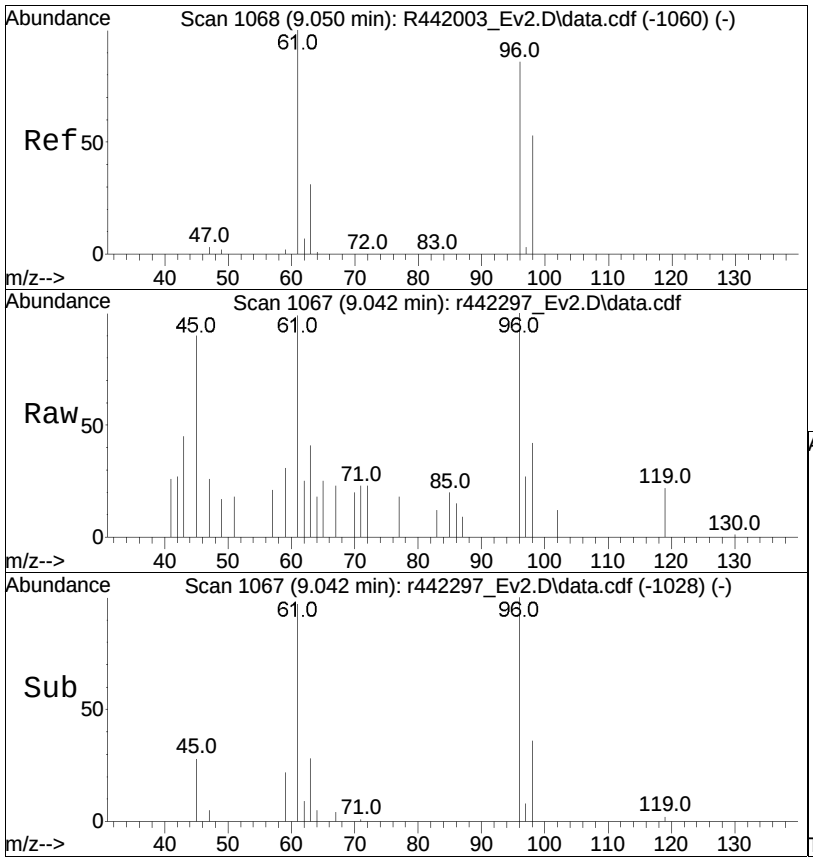
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airpiano4\2026\02\0203SIM\r442283_Ev2.D

Data Path : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\
Data File : r442297_Ev2.D
Acq On : 4 Feb 2026 1:52 AM
Operator : AIRPIANO4:TPH
Sample : WG2171899-5,3,250,250
Misc : WG2171899,ICAL22994
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 04 06:44:18 2026
Quant Method : X:\Airlab\Data\Airpiano4\2026\02\0203SIM\TSIM4_260119.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 23 08:32:55 2026
Response via : Initial Calibration

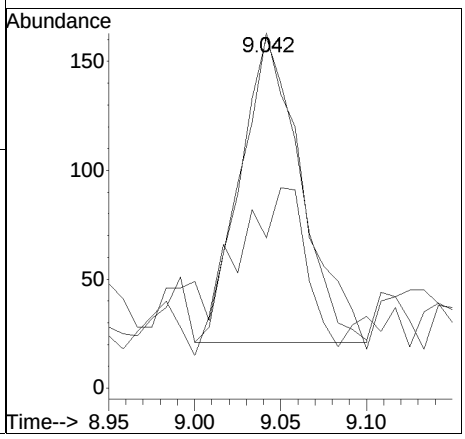


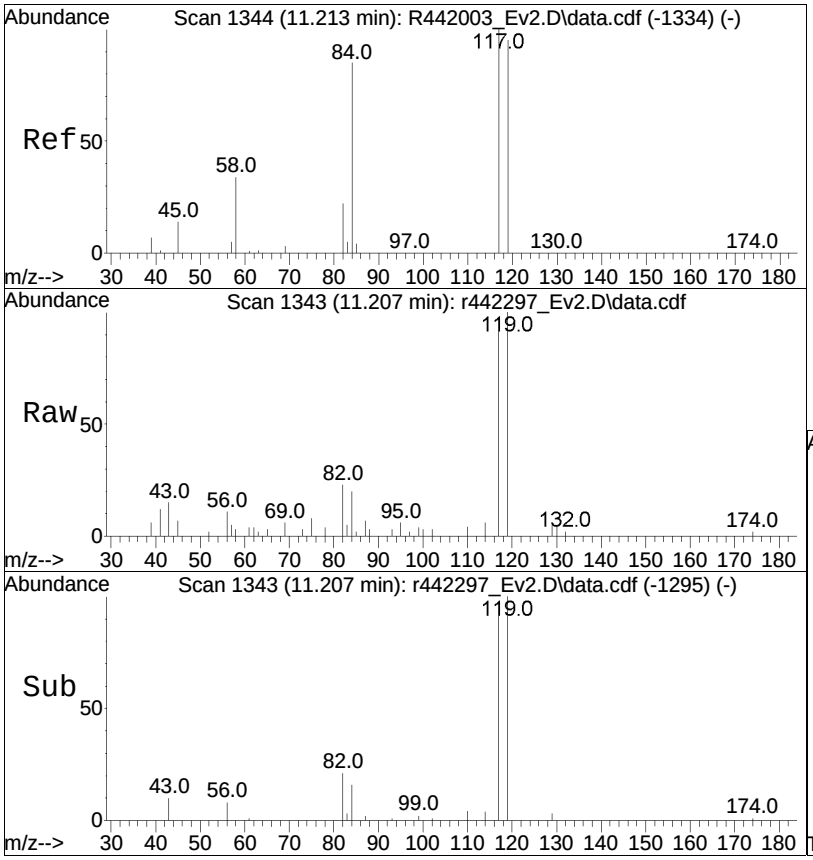


#28
cis-1,2-dichloroethene
Concen: 0.01 ppbV
RT: 9.042 min Scan# 1067
Delta R.T. -0.008 min
Lab File: r442297_Ev2.D
Acq: 4 Feb 2026 1:52 AM

Tgt Ion: 61 Resp: 338

Ion	Ratio	Lower	Upper
61	100		
96	101.2	69.1	103.7
98	42.9	42.6	63.8

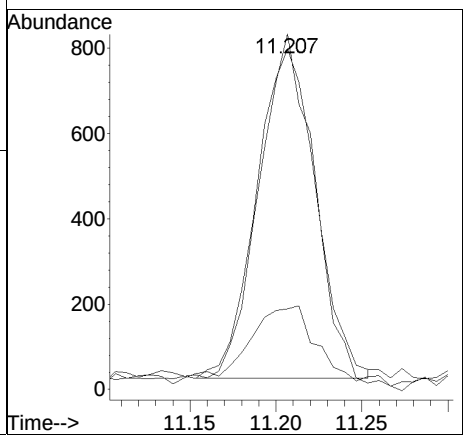


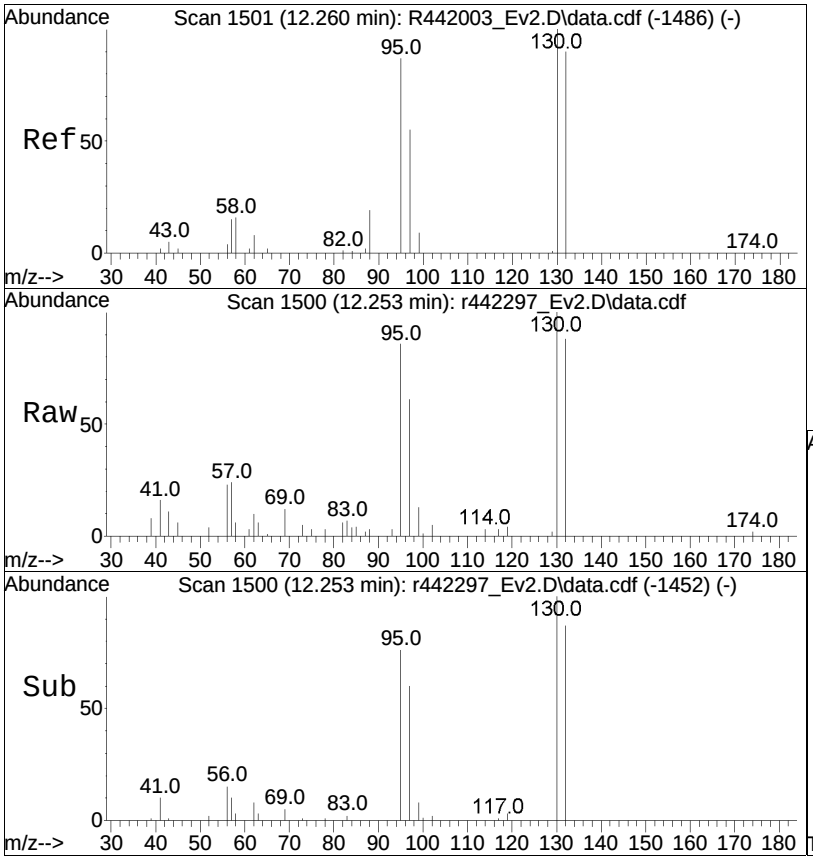


#38
carbon tetrachloride
Concen: 0.10 ppbV
RT: 11.207 min Scan# 1343
Delta R.T. -0.007 min
Lab File: r442297_Ev2.D
Acq: 4 Feb 2026 1:52 AM

Tgt Ion:117 Resp: 1867

Ion	Ratio	Lower	Upper
117	100		
119	104.4	75.6	113.4
82	23.7	17.9	26.9

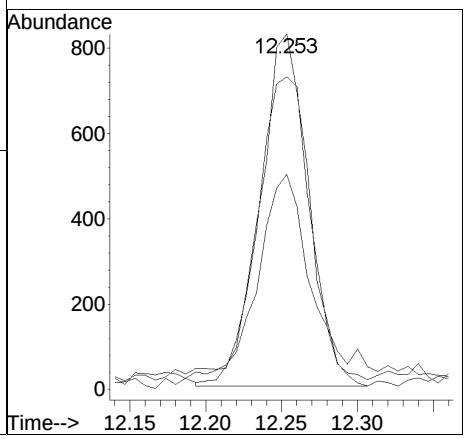


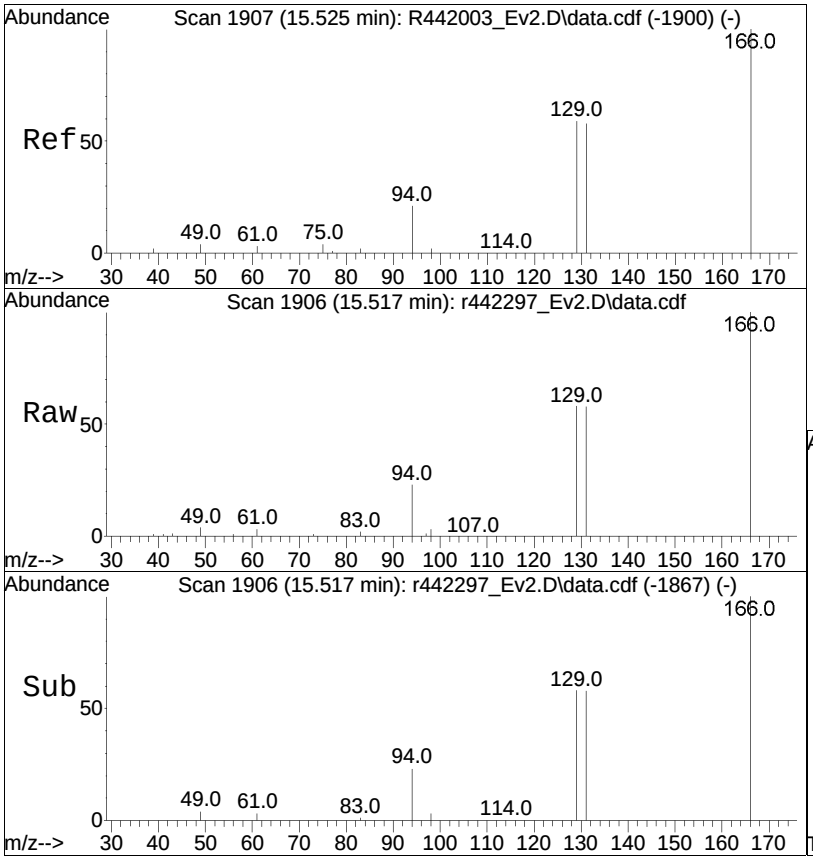


#44
trichloroethene
Concen: 0.07 ppbV
RT: 12.253 min Scan# 1500
Delta R.T. -0.007 min
Lab File: r442297_Ev2.D
Acq: 4 Feb 2026 1:52 AM

Tgt Ion:130 Resp: 1840

Ion	Ratio	Lower	Upper
130	100		
132	88.0	71.8	107.6
97	60.5	44.2	66.2

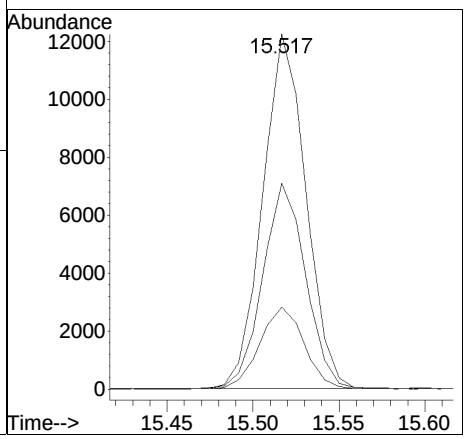




#57
tetrachloroethene
Concen: 0.51 ppbV
RT: 15.517 min Scan# 1906
Delta R.T. -0.008 min
Lab File: r442297_Ev2.D
Acq: 4 Feb 2026 1:52 AM

Tgt Ion:166 Resp: 21351

Ion	Ratio	Lower	Upper
166	100		
131	58.0	46.2	69.2
94	23.2	17.2	25.8



Manual Integration Report

Data Path	: X:\Airlab\Data\Airpiano4\2	QMethod	: TSIM4_260119.M
Data File	: r442297_Ev2.D	Operator	: AIRPIANO4:TPH
Date Inj'd	: 2/4/2026 1:52 AM	Instrument	:
Sample	: WG2171899-5,3,250,250	Quant Date	: 2/4/2026 6:44 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2026\02\0203SIM\
Data File : r1653994_Ev2.D
Acq On : 4 Feb 2026 4:16 AM
Operator : AIRLAB16:TPH
Sample : WG2171920-5,3,100,250
Misc : WG2171920,ICAL22984
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 04 07:14:19 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\02\0203SIM\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 08:56:04 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2026\02\0203SIM\r1653977_Ev2.D
Sub List : cisDCE_ONLY - .

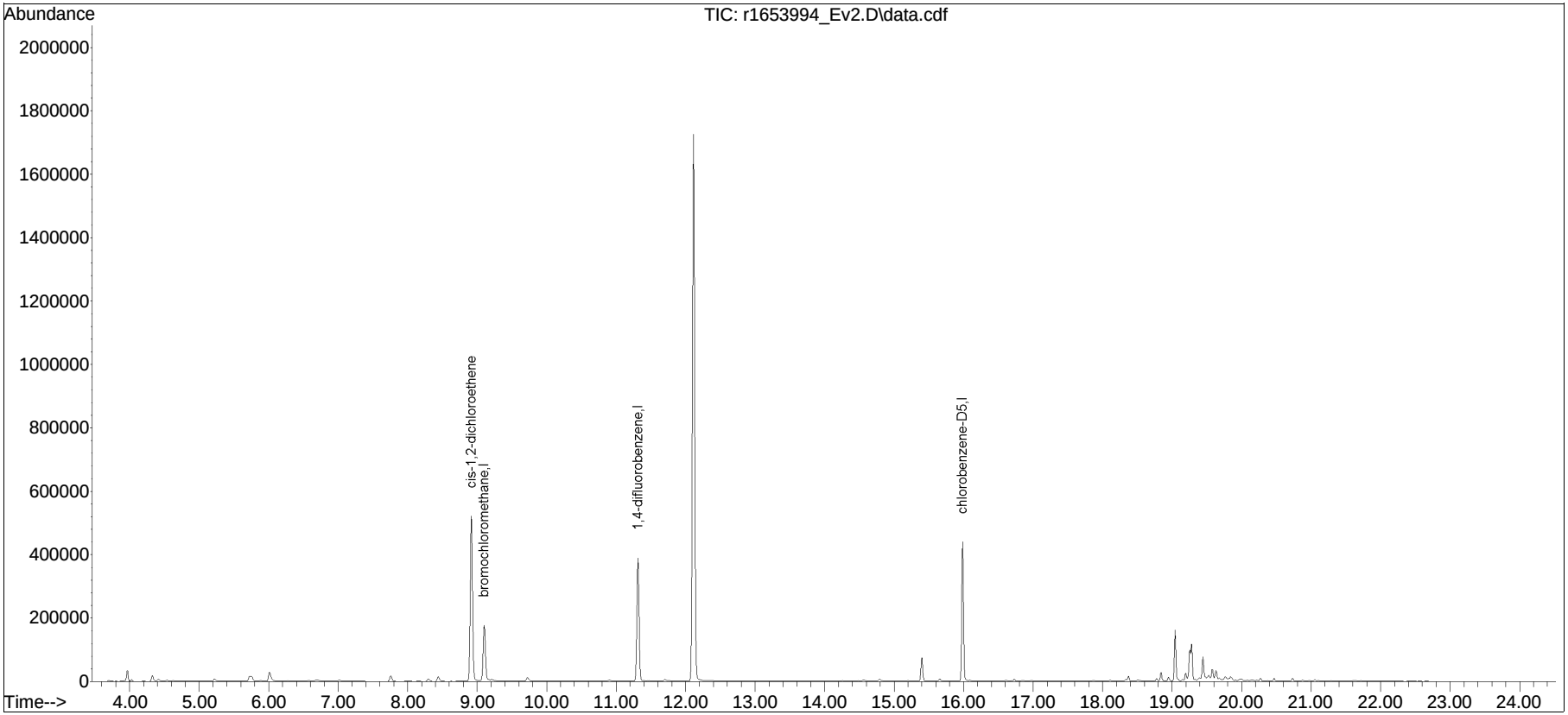
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.100	49	189192	10.000	ppbV	# 0.03
Standard Area = 206599			Recovery =		91.57%	
33) 1,4-difluorobenzene	11.313	114	514272	10.000	ppbV	# 0.03
Standard Area = 553890			Recovery =		92.85%	
51) chlorobenzene-D5	15.983	54	69682	10.000	ppbV	0.02
Standard Area = 72598			Recovery =		95.98%	
System Monitoring Compounds						
Target Compounds						Qvalue
28) cis-1,2-dichloroethene	8.917	61	409648	27.684	ppbV	99

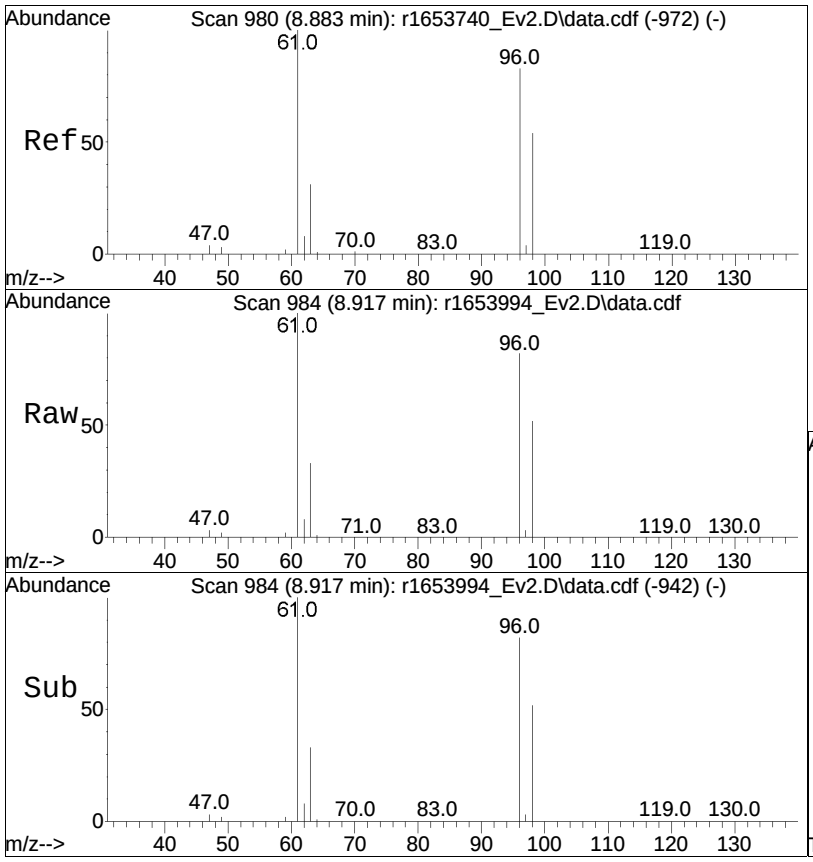
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : cisDCE_ONLY - .Airlab16\2026\02\0203SIM\r1653977_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2026\02\0203SIM\
Data File : r1653994_Ev2.D
Acq On : 4 Feb 2026 4:16 AM
Operator : AIRLAB16:TPH
Sample : WG2171920-5,3,100,250
Misc : WG2171920,ICAL22984
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 04 07:14:19 2026
Quant Method : X:\Airlab\Data\Airlab16\2026\02\0203SIM\TSIM16_260120.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 22 08:56:04 2026
Response via : Initial Calibration

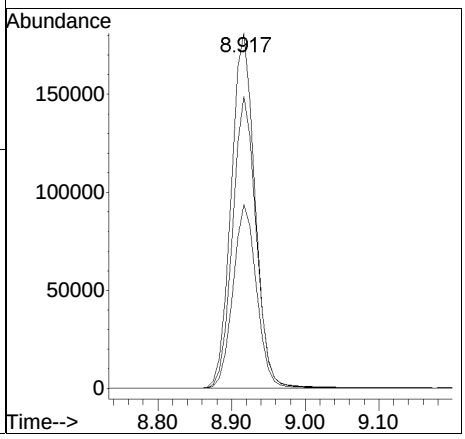




#28
cis-1,2-dichloroethene
Concen: 27.68 ppbV
RT: 8.917 min Scan# 984
Delta R.T. 0.033 min
Lab File: r1653994_Ev2.D
Acq: 4 Feb 2026 4:16 AM

Tgt Ion: 61 Resp: 409648

Ion	Ratio	Lower	Upper
61	100		
96	82.2	66.4	99.6
98	51.8	42.9	64.3



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab16\20	QMethod	: TSIM16_260120.M
Data File	: r1653994_Ev2.D	Operator	: AIRLAB16:TPH
Date Inj'd	: 2/4/2026 4:16 AM	Instrument	:
Sample	: WG2171920-5,3,100,250	Quant Date	: 2/4/2026 7:14 am

There are no manual integrations or false positives in this file.

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)

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Mar 03 2026, 11:16 am

Work Group: WG2171514 for Department: 3 GC/MS

Created: 02-FEB-26 Due: Operator: BJB

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2603846-01	VP-1-20260120	S	NYDEC-TO15-SIM	SOIL_VAPOR	DONE	U	0219	0204	S0	Can-2.7
L2603846-02	IA-1-20260120	S	NYDEC-TO15-SIM	AIR	DONE	U	0219	0204	S0	Can-2.7
L2603846-03	VP-2-20260120	S	NYDEC-TO15-SIM	SOIL_VAPOR	DONE	U	0219	0204	S0	Can-2.7
L2603846-04	IA-2-20260120	S	NYDEC-TO15-SIM	AIR	DONE	U	0219	0204	S0	Can-2.7
L2604499-04	AA-4_20260122	S	TO15-SIM	AIR	DONE	U	0222	0203	1A	Can-6
L2605122-01	INFLUENT	S	TO15-SIM	SOIL_VAPOR	DONE	U	0228	0205	S0	Tedlar-Poly5
L2605122-02	MIDFLUENT	S	TO15-SIM	SOIL_VAPOR	DONE	U	0228	0205	S0	Tedlar-Poly5
L2605122-03	EFFLUENT	S	TO15-SIM	SOIL_VAPOR	DONE	U	0228	0205	S0	Tedlar-Poly5
L2605190-01	SS-1	S	TO15-SIM	SOIL_VAPOR	DONE	U	0227	0205	3E	Can-2.7
L2605190-02	SS-2	S	TO15-SIM	SOIL_VAPOR	DONE	U	0227	0205	3E	Can-2.7
L2605190-03	SS-3	S	TO15-SIM	SOIL_VAPOR	DONE	U	0227	0205	3E	Can-2.7
L2605259-05	IA05_012926	S	TO15-SIM	AIR	DONE	U	0228	0205	S0	Can-6
L2605259-06	IA06_012926	S	TO15-SIM	AIR	DONE	U	0228	0205	S0	Can-6
L2605259-07	AA03_012926	S	TO15-SIM	AIR	DONE	U	0228	0205	S0	Can-6
L2605686-01	AA-1_20260201	S	TO15-SIM	AIR	DONE	U	0304	0203	1A	Can-6
L2605686-02	AA-2_20260201	S	TO15-SIM	AIR	DONE	U	0304	0203	1A	Can-6
L2605686-03	AA-3_20260201	S	TO15-SIM	AIR	DONE	U	0304	0203	1A	Can-6
L2605686-04	AA-4_20260201	S	TO15-SIM	AIR	DONE	U	0304	0203	1A	Can-6
WG2171514-1	MS BFB Tune Standard	S	TO15-SIM	AIR	DONE	U				
WG2171514-1	MS BFB Tune Standard	S	TO15-SIM	SOIL_VAPOR	DONE	U				
WG2171514-1	MS BFB Tune Standard	S	NYDEC-TO15-SIM	AIR	DONE	U				
WG2171514-1	MS BFB Tune Standard	S	NYDEC-TO15-SIM	SOIL_VAPOR	DONE	U				
WG2171514-2	Continuing Calibrati	S	NYDEC-TO15-SIM	SOIL_VAPOR	DONE	U				
WG2171514-2	Continuing Calibrati	S	TO15-SIM	SOIL_VAPOR	DONE	U				
WG2171514-2	Continuing Calibrati	S	TO15-SIM	AIR	DONE	U				
WG2171514-2	Continuing Calibrati	S	NYDEC-TO15-SIM	AIR	DONE	U				
WG2171514-3	Laboratory Control S	S	NYDEC-TO15-SIM	SOIL_VAPOR	DONE	U				
WG2171514-3	Laboratory Control S	S	NYDEC-TO15-SIM	AIR	DONE	U				
WG2171514-3	Laboratory Control S	S	TO15-SIM	SOIL_VAPOR	DACQ	U				
WG2171514-3	Laboratory Control S	S	TO15-SIM	AIR	DACQ	U				
WG2171514-4	Laboratory Method Bl	S	NYDEC-TO15-SIM	SOIL_VAPOR	DONE	U				
WG2171514-4	Laboratory Method Bl	S	TO15-SIM	AIR	DACQ	U				
WG2171514-4	Laboratory Method Bl	S	NYDEC-TO15-SIM	AIR	DONE	U				
WG2171514-4	Laboratory Method Bl	S	TO15-SIM	SOIL_VAPOR	DACQ	U				
WG2171514-5	Duplicate Sample	S	TO15-SIM	AIR	DACQ	U				
WG2171514-5	Duplicate Sample	S	TO15-SIM	SOIL_VAPOR	DACQ	U				
WG2171514-5	Duplicate Sample	S	NYDEC-TO15-SIM	SOIL_VAPOR	DONE	U				
WG2171514-5	Duplicate Sample	S	NYDEC-TO15-SIM	AIR	DONE	U				

Comments:

WG2171514-5 L2605259-05

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Mar 03 2026, 11:16 am

Work Group: WG2171899 for Department: 3 GC/MS

Created: 03-FEB-26 Due: Operator: BJB

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2603846-06	IA-3-20260120	S	NYDEC-TO15-SIM	AIR	DONE	U	0219	0204	S0	Can-2.7
L2603846-07	AA-1-20260120	S	NYDEC-TO15-SIM	AIR	DONE	U	0219	0204	S0	Can-2.7
L2604181-02	IA-1	S	TO15-SIM	AIR	DONE	U	0221	0205	S0	Can-2.7
L2604181-03	IA-3	S	TO15-SIM	AIR	DONE	U	0221	0205	S0	Can-2.7
L2604181-05	IA-2	S	TO15-SIM	AIR	DONE	U	0221	0205	S0	Can-2.7
L2604181-06	IA-4	S	TO15-SIM	AIR	DONE	U	0221	0205	S0	Can-2.7
L2604181-07	OA-1	S	TO15-SIM	AIR	DONE	U	0221	0205	S0	Can-2.7
L2604440-01	INDOOR COOLER	S	TO15-SIM	AIR	DONE	U	0219	0205	S0	Can-2.7
L2604440-02	INDOOR STORAGE	S	TO15-SIM	AIR	DONE	U	0219	0205	S0	Can-2.7
L2604440-03	VENT 1	S	TO15-SIM	SOIL_VAPOR	DONE	U	0219	0205	S0	Can-2.7
L2604440-04	VENT 2	S	TO15-SIM	SOIL_VAPOR	DONE	U	0219	0205	S0	Can-2.7
L2605687-01	AMB-1	S	TO15-SIM	AIR	DONE	U	0304	0204	3B	Can-6
L2605687-02	IA-1	S	TO15-SIM	AIR	DONE	U	0304	0204	3B	Can-6
L2605687-03	IA-2	S	TO15-SIM	AIR	DONE	U	0304	0204	3B	Can-6
L2605932-01	AA-1_20260202	S	TO15-SIM	AIR	DONE	U	0305	0204	1A	Can-6
L2605932-02	AA-2_20260202	S	TO15-SIM	AIR	DONE	U	0305	0204	1A	Can-6
L2605932-03	AA-3_20260202	S	TO15-SIM	AIR	DONE	U	0305	0204	1A	Can-6
L2605932-04	AA-4_20260202	S	TO15-SIM	AIR	DONE	U	0305	0204	1A	Can-6
WG2171899-1	MS BFB Tune Standard	S	NYDEC-TO15-SIM	AIR	DONE	U				
WG2171899-1	MS BFB Tune Standard	S	TO15-SIM	SOIL_VAPOR	DONE	U				
WG2171899-1	MS BFB Tune Standard	S	TO15-SIM	AIR	DONE	U				
WG2171899-2	Continuing Calibrati	S	NYDEC-TO15-SIM	AIR	DONE	U				
WG2171899-2	Continuing Calibrati	S	TO15-SIM	AIR	DONE	U				
WG2171899-2	Continuing Calibrati	S	TO15-SIM	SOIL_VAPOR	DONE	U				
WG2171899-3	Laboratory Control S	S	TO15-SIM	SOIL_VAPOR	DACQ	U				
WG2171899-3	Laboratory Control S	S	TO15-SIM	AIR	DACQ	U				
WG2171899-3	Laboratory Control S	S	NYDEC-TO15-SIM	AIR	DONE	U				
WG2171899-4	Laboratory Method Bl	S	TO15-SIM	SOIL_VAPOR	DACQ	U				
WG2171899-4	Laboratory Method Bl	S	TO15-SIM	AIR	DACQ	U				
WG2171899-4	Laboratory Method Bl	S	NYDEC-TO15-SIM	AIR	DONE	U				
WG2171899-5	Duplicate Sample	S	TO15-SIM	AIR	DACQ	U				
WG2171899-5	Duplicate Sample	S	TO15-SIM	SOIL_VAPOR	DACQ	U				
WG2171899-5	Duplicate Sample	S	NYDEC-TO15-SIM	AIR	DONE	U				

Comments:

WG2171899-5 L2604181-05

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Mar 03 2026, 11:16 am

Work Group: WG2171920 for Department: 3 GC/MS

Created: 03-FEB-26 Due: Operator: BJB

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2600027-84	AIR DUMMY 84	S	TO15-SIM	AIR	DONE	U	0303	0313	NC	CAN-CHOOSE
L2603846-05	VP-3-20260120	S	NYDEC-TO15-SIM	SOIL_VAPOR	DONE	U	0219	0204	S0	Can-2.7
L2605713-01	CAN 3318 SHELF 112	S	TO15-SIM	AIR	DONE	I	0304	0210	NC	Can-6
L2605713-02	CAN 3325 SHELF 113	S	TO15-SIM	AIR	DONE	I	0304	0210	NC	Can-6
L2605713-03	CAN 3589 SHELF 114	S	TO15-SIM	AIR	DONE	I	0304	0210	NC	Can-6
L2605713-04	CAN 4333 SHELF 125	S	TO15-SIM	AIR	DONE	I	0304	0210	NC	Can-6
L2605713-05	CAN 4341 SHELF 126	S	TO15-SIM	AIR	DONE	I	0304	0210	NC	Can-6
L2605713-06	CAN 6042 SHELF 76	S	TO15-SIM	AIR	DONE	I	0304	0210	NC	Can-3
L2605713-07	CAN 3456 SHELF 63	S	TO15-SIM	AIR	DONE	I	0305	0210	NC	Can-2.7
L2605713-08	CAN 5350 SHELF 64	S	TO15-SIM	AIR	DONE	I	0305	0210	NC	Can-1
L2605713-09	CAN 2980 SHELF 107	S	TO15-SIM	AIR	DONE	I	0305	0210	NC	Can-6
L2605713-10	CAN 3383 SHELF 108	S	TO15-SIM	AIR	DONE	I	0305	0210	NC	Can-6
L2605809-01	CAN 3330 SHELF 110	S	TO15-SIM	AIR	DONE	I	0305	0210	NC	Can-6
L2605809-02	CAN 2969 SHELF 111	S	TO15-SIM	AIR	DONE	I	0305	0210	NC	Can-6
L2605809-03	CAN 4981 SHELF 115	S	TO15-SIM	AIR	DONE	I	0305	0210	NC	Can-6
WG2171920-1	MS BFB Tune Standard	S	NYDEC-TO15-SIM	SOIL_VAPOR	DONE	U				
WG2171920-1	MS BFB Tune Standard	S	TO15-SIM	AIR	DONE	U				
WG2171920-2	Continuing Calibrati	S	NYDEC-TO15-SIM	SOIL_VAPOR	DONE	U				
WG2171920-2	Continuing Calibrati	S	TO15-SIM	AIR	DONE	U				
WG2171920-3	Laboratory Control S	S	NYDEC-TO15-SIM	SOIL_VAPOR	DACQ	U				
WG2171920-3	Laboratory Control S	S	TO15-SIM	AIR	DONE	U				
WG2171920-4	Laboratory Method Bl	S	TO15-SIM	AIR	DONE	U				
WG2171920-4	Laboratory Method Bl	S	NYDEC-TO15-SIM	SOIL_VAPOR	DACQ	U				
WG2171920-5	Duplicate Sample	S	TO15-SIM	AIR	DONE	U				
WG2171920-5	Duplicate Sample	S	NYDEC-TO15-SIM	SOIL_VAPOR	DACQ	U				

Comments:

L2600027-84	USE FOR L2605167-02
WG2171920-5	L2600027-84

Alpha Analytical Air Lab
Instrument Run Log

Instrument ID: AIRLAB23

Internal Standard/Surrogate IDs: SS24-016 / SS24-017

Date: 11/21/2025

Internal Standard/Surrogate Volume: 100 ml

Analyst Initials: DJR

Sequence File Name: 251121.S

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)	Product/ sublist	Leak Check Pass ? Y/N
1	BA23112101	TO15_SFS.M	R236977.D	250 mL			NA
1	BA23112102	TO15_SFS.M	R236978.D	250 mL			NA
1	BA23112103	TO15_SFS.M	R236979.D	250 mL			NA
1	TA23112101	TO15_SFS.M	R236980.D	250 mL	TUNE		NA
5	ITO15-SIMSTD0.02	TO15_SFS.M	R236981.D	SS25-037D 50 mL	SIM ONLY	DEF	NA
5	ITO15-SIMSTD0.05	TO15_SFS.M	R236982.D	SS25-037D 125 mL	SIM ONLY	DEF	NA
5	ITO15-SIMSTD0.1	TO15_SFS.M	R236983.D	SS25-037D 250 mL	SIM ONLY	DEF	NA
6	ITO15-SIMSTD0.2	TO15_SFS.M	R236984.D	SS25-037C 50 mL		DEF	NA
6	ITO15-SIMSTD0.5	TO15_SFS.M	R236985.D	SS25-037C 125 mL		DEF	NA
6	ITO15-SIMSTD1.0	TO15_SFS.M	R236986.D	SS25-037C 250 mL		DEF	NA
7	ITO15-SIMSTD5.0	TO15_SFS.M	R236987.D	SS25-037B 125 mL		DEF	NA
7	ITO15-SIMSTD010	TO15_SFS.M	R236988.D	SS25-037B 250 mL		DEF	NA
8	ITO15-SIMSTD020	TO15_SFS.M	R236989.D	SS25-037A 50 mL		DEF	NA
8	ITO15-SIMSTD050	TO15_SFS.M	R236990.D	SS25-037A 125 mL		DEF	NA
8	ITO15-LLSTD100	TO15_SFS.M	R236991.D	SS25-037A 250 mL	LL ONLY	DEF	NA
1	BA23112101	TO15_SFS.M	R236992.D	250 mL			NA
1	BA23112102	TO15_SFS.M	R236993.D	250 mL			NA
2	CTO15-LLSTD010	TO15_SFS.M	R236994.D	SS25-035C 250 mL	LL ICV	DEF-ICV	NA
2	CTO15-SIMSTD5.0	TO15_SFS.M	R236995.D	SS25-035C 125 mL	SIM ICV	DEF-ICV	NA

Alpha Analytical Air Lab
Instrument Run Log

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 analyzed

Dilution Factor: See Form 1 report, or divide nominal volume by actual volume analyzed

Instrument ID: AIRPIANO4

Internal Standard/Surrogate IDs: SS22-029 / SS21-026

Date: 01/19/2026

Internal Standard/Surrogate Volume: 100 ml

Analyst Initials: BJB

Sequence File Name: 260119.S

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)	Product/ sublist	Leak Check Pass ? Y/N
1	BA4111801	TO15_SFS.qgm	R441993.qgd	250 mL			NA
1	BA4111802	TO15_SFS.qgm	R441994.qgd	250 mL			NA
1	BA4111803	TO15_SFS.qgm	R441995.qgd	250 mL			NA
1	TA4111801	TO15_SFS.qgm	R441996.qgd	250 mL	TUNE		NA
5	ITO15-SIMSTD0.02	TO15_SFS.qgm	R441997.qgd	50 mL SS25-037D	SIM ONLY	DEF	NA
5	ITO15-SIMSTD0.05	TO15_SFS.qgm	R441998.qgd	125 mL SS25-037D	SIM ONLY	DEF	NA
5	ITO15-SIMSTD0.1	TO15_SFS.qgm	R441999.qgd	250 mL SS25-037D	SIM ONLY	DEF	NA
6	ITO15-SIMSTD0.2	TO15_SFS.qgm	R442000.qgd	50 mL SS25-037C		DEF	NA
6	ITO15-SIMSTD0.5	TO15_SFS.qgm	R442001.qgd	125 mL SS25-037C		DEF	NA
6	ITO15-SIMSTD1.0	TO15_SFS.qgm	R442002.qgd	250 mL SS25-037C		DEF	NA
7	ITO15-SIMSTD5.0	TO15_SFS.qgm	R442003.qgd	125 mL SS25-037B		DEF	NA
7	ITO15-SIMSTD010	TO15_SFS.qgm	R442004.qgd	250 mL SS25-037B		DEF	NA
8	ITO15-SIMSTD020	TO15_SFS.qgm	R442005.qgd	50 mL SS25-037A		DEF	NA
8	ITO15-SIMSTD050	TO15_SFS.qgm	R442006.qgd	125 mL SS25-037A		DEF	NA
8	ITO15-LLSTD100	TO15_SFS.qgm	R442007.qgd	250 mL SS25-033A	LL ONLY	DEF	NA
1	BA4111801	TO15_SFS.qgm	R442008.qgd	250 mL			NA
1	BA4111802	TO15_SFS.qgm	R442009.qgd	250 mL			NA
2	CTO15-LLSTD010	TO15_SFS.qgm	R442010.qgd	250 mL SS26-002E	LL ICV	DEF-ICV	NA
2	CTO15-SIMSTD5.0	TO15_SFS.qgm	R442011.qgd	125 mL SS26-002E	SIM ICV	DEF-ICV	NA

Instrument ID: Airlab 16

Internal Standard/Surrogate IDs: SS23-027/ SS23-018

Date: 01/20/26

Internal Standard/Surrogate Volume: 100 ml

Analyst Initials: DJR

Sequence File Name: 260120.S

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)	Product/ Sublist	k Check Pas
1	TA16100101	TO15_SFS.qgm	R1653733.qgd	250ML	TUNE		NA
5	ITO15-SIMTD0.02	TO15_SFS.qgm	R1653734.qgd	SS25-033D 50 mL	SIM ONLY	DEF	NA
5	ITO15-SIMTD0.05	TO15_SFS.qgm	R1653735.qgd	SS25-033D 125 mL	SIM ONLY	DEF	NA
5	ITO15-SIMTD0.1	TO15_SFS.qgm	R1653736.qgd	SS25-033D 250 mL	SIM ONLY	DEF	NA
6	ITO15-LLSTD0.2	TO15_SFS.qgm	R1653737.qgd	SS25-033C 50 mL		DEF	NA
6	ITO15-LLSTD0.5	TO15_SFS.qgm	R1653738.qgd	SS25-033C 125 mL		DEF	NA
6	ITO15-LLSTD1.0	TO15_SFS.qgm	R1653739.qgd	SS25-033C 250 mL		DEF	NA
7	ITO15-LLSTD5.0	TO15_SFS.qgm	R1653740.qgd	SS25-033B 125 mL		DEF	NA
7	ITO15-LLSTD010	TO15_SFS.qgm	R1653741.qgd	SS25-033B 250 mL		DEF	NA
8	ITO15-LLSTD020	TO15_SFS.qgm	R1653742.qgd	SS25-033A 50 mL		DEF	NA
8	ITO15-LLSTD050	TO15_SFS.qgm	R1653743.qgd	SS25-033A 125 mL		DEF	NA
8	ITO15-LLSTD100	TO15_SFS.qgm	R1653744.qgd	SS25-033A 250 mL	LL ONLY	DEF	NA
1	BA16100101	TO15_SFS.qgm	R1653745.qgd	250ML			NA
1	BA16100102	TO15_SFS.qgm	R1653746.qgd	250ML			NA
2	CTO15-LLSTD010	TO15_SFS.qgm	R1653747.qgd	SS25-040B 250 mL	LL ICV FAILED	DEF-ICV	NA
2	CTO15-SIMSTD5.0	TO15_SFS.qgm	R1653748.qgd	SS25-040B 125mL	SIM ICV FAILED	DEF-ICV	NA
2	CTO15-LLSTD010	TO15_SFS.qgm	R1653749.qgd	SS25-040B 250 mL	LL ICV	DEF-ICV	NA
2	CTO15-SIMSTD5.0	TO15_SFS.qgm	R1653750.qgd	SS25-040B 125mL	SIM ICV	DEF-ICV	NA

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

Dilution Factor: See Form 1 report, or divide nominal volume by actual volume analyzed

Alpha Analytical Air Lab
Instrument Run Log

Instrument ID: AIRLAB23

Internal Standard/Surrogate IDs: SS24-016 / SS24-017

Date: 02/02/2026

Internal Standard/Surrogate Volume: 100 ml

Analyst Initials: BJB

Sequence File Name: 260202.S

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)	Product/ sublist	Leak Check Pass ? Y/N
1	TA23013101	TO15_SFS.M	R238350.D	250 mL	TUNE		NA
2	CA23013101	TO15_SFS.M	R238351.D	SS25-033F 250 mL	CC		NA
3	CTO15-LLSTD010	TO15_SFS.M	R238352.D	SS25-040C 250 mL	LL LCS	NARRATE VA LOW. NARRATE TBA OUT	NA
3	CTO15-SIMSTD05	TO15_SFS.M	R238353.D	SS25-040C 125 mL	SIM LCS	NARRATE TBA AND VA LOW	NA
	PAUSE						NA
1	BA23013101	TO15_SFS.M	R238354.D	250 mL	LL BLANK		NA
1	BA23013102	TO15_SFS.M	R238355.D	250 mL	SIM DUP		NA
2	L2604499-04,3,250,250	TO15_SFS.M	R238356.D	WG2171513,ICAL22840		PA-9SIM	Y
3	L2605259-07,3,250,250	TO15_SFS.M	R238357.D	WG2171513,ICAL22840		NY+NAPH-7SIM	Y
4	L2605259-05,3,250,250	TO15_SFS.M	R238358.D	WG2171513,ICAL22840		NY+NAPH-7SIM	Y
4	L2605259-05DUP,3,250,250	TO15_SFS.M	R238359.D	WG2171513,ICAL22840	LL/SIM DUP	NY+NAPH-7SIM	Y
5	L2605259-06,3,250,250	TO15_SFS.M	R238360.D	WG2171513,ICAL22840		NY+NAPH-7SIM	Y
6	L2603846-02,3,250,250	TO15_SFS.M	R238361.D	WG2171514,ICAL22841		NYDEC-SIM	Y
7	L2603846-04,3,250,250	TO15_SFS.M	R238362.D	WG2171514,ICAL22841		NYDEC-SIM	Y
8	L2603832-01D,3,70.71,250	TO15_SFS.M	R238363.D	WG2171513,ICAL22840	T	NY+NAPH	Y
9	L2603846-01D,3,13.05,250	TO15_SFS.M	R238364.D	WG2171514,ICAL22841	NT	NYDEC-SIM	Y
10	L2603846-03,3,250,250	TO15_SFS.M	R238365.D	WG2171514,ICAL22841		NYDEC-SIM	Y
11	L2603846-05,3,250,250	TO15_SFS.M	R238366.D	WG2171514,ICAL22841	CIS12DCE OVERCAL	NYDEC-SIM	Y

Alpha Analytical Air Lab
Instrument Run Log

12	L2605122-01D,3,0.49,250	TO15_SFS.M	R238367.D	WG2171514,ICAL22841	T	NY+NAPH BY SIM	Y
13	L2605122-02D,3,2.44,250	TO15_SFS.M	R238368.D	WG2171514,ICAL22841	T	NY+NAPH BY SIM	Y
14	L2605122-03D,3,25,250	TO15_SFS.M	R238369.D	WG2171514,ICAL22841	T	NY+NAPH BY SIM	Y
15	L2605190-01D,3,0.78,250	TO15_SFS.M	R238370.D	WG2171514,ICAL22841	T	NY+NAPH BY SIM	Y
16	L2605190-02D,3,25,250	TO15_SFS.M	R238371.D	WG2171514,ICAL22841	T	NY+NAPH BY SIM	Y
1	L2605190-03,3,250,250	TO15_SFS.M	R238372.D	WG2171514,ICAL22841		NY+NAPH BY SIM	Y
2	L2605686-01,3,250,250	TO15_SFS.M	R238373.D	WG2171513,ICAL22840		PA-9SIM	Y
3	L2605686-02,3,250,250	TO15_SFS.M	R238374.D	WG2171513,ICAL22840		PA-9SIM	Y
4	L2605686-03,3,250,250	TO15_SFS.M	R238375.D	WG2171513,ICAL22840		PA-9SIM	Y
5	L2605686-04,3,250,250	TO15_SFS.M	R238376.D	WG2171513,ICAL22840		PA-9SIM	Y

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 analyzed

Dilution Factor: See Form 1 report, or divide nominal volume by actual volume analyzed

Instrument ID: AIRPIANO4

Internal Standard/Surrogate IDs: SS22-029 / SS21-026

Date: 02/03/2026

Internal Standard/Surrogate Volume: 100 ml

Analyst Initials: BJB

Sequence File Name: 260203.S

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)	Product/ sublist	Leak Check Pass ? Y/N
1	TA4013101	TO15_SFS.qgm	R442279.qgd	250mL	TUNE		NA
2	APH CC	TO15_SFS.qgm	R442280.qgd	125mL SS25-029B1	APH CC		NA
3	CA4013101	TO15_SFS.qgm	R442281.qgd	250 mL SS25-037F	LL CC		NA
4	CTO15-LLSTD10.0	TO15_SFS.qgm	R442282.qgd	250 mL SS26-002E	LL LCS	RISKING 3CP, T13DCP, REPORT HITS OF CHLOROETHANE BY SIM	NA
4	CTO15-SIMSTD5.0	TO15_SFS.qgm	R442283.qgd	125 mL SS26-002E	SIM LCS	RISKING 3CP, 4ET, 124TCB	NA
1	BA4013101	TO15_SFS.qgm	R442284.qgd	250mL	LL BLANK		NA
1	BA4013102	TO15_SFS.qgm	R442285.qgd	250mL	SIM BLANK		NA
2	L2603846-07,3,250,250	TO15_SFS.qgm	R442286.qgd	WG2171899,ICAL22994		NYDEC-SIM	Y
3	L2604181-07,3,250,250	TO15_SFS.qgm	R442287.qgd	WG2171899,ICAL22994		NY+NAPH-7SIM	Y
4	L2605687-01,3,250,250	TO15_SFS.qgm	R442288.qgd	WG2171899,ICAL22994		NY+NAPH-7SIM	Y
5	L2605687-02,3,250,250	TO15_SFS.qgm	R442289.qgd	WG2171899,ICAL22994		NY+NAPH-7SIM	Y
6	L2605687-03,3,250,250	TO15_SFS.qgm	R442290.qgd	WG2171899,ICAL22994		NY+NAPH-7SIM	Y
7	L2604440-01,3,250,250	TO15_SFS.qgm	R442291.qgd	WG2171899,ICAL22994		STD+NAPH BY SIM	Y
8	L2604440-02,3,250,250	TO15_SFS.qgm	R442292.qgd	WG2171899,ICAL22994		STD+NAPH BY SIM	Y
9	L2603846-06,3,250,250	TO15_SFS.qgm	R442293.qgd	WG2171899,ICAL22994		NYDEC-SIM	Y
10	L2604181-02,3,250,250	TO15_SFS.qgm	R442294.qgd	WG2171899,ICAL22994		NY+NAPH-7SIM	Y
11	L2604181-03,3,250,250	TO15_SFS.qgm	R442295.qgd	WG2171899,ICAL22994		NY+NAPH-7SIM	Y
12	L2604181-05,3,250,250	TO15_SFS.qgm	R442296.qgd	WG2171899,ICAL22994		NY+NAPH-7SIM	Y
12	L2604181-05DUP,3,250,250	TO15_SFS.qgm	R442297.qgd	WG2171899,ICAL22994	LL/SIM DUP	NY+NAPH-7SIM	Y
13	L2604181-06,3,250,250	TO15_SFS.qgm	R442298.qgd	WG2171899,ICAL22994		NY+NAPH-7SIM	Y
14	L2604181-01,3,250,250	TO15_SFS.qgm	R442299.qgd	WG2171898,ICAL22986		NY+NAPH	Y
15	L2604181-04D,3,161.67,250	TO15_SFS.qgm	R442300.qgd	WG2171898,ICAL22986	905	NY+NAPH	Y

16	L2604440-03D,3,22.37,250	TO15_SFS.qgm	R442301.qgd	WG2171899,ICAL22994	T	STD+NAPH BY SIM	Y
1	L2604440-04D,3,15.9,250	TO15_SFS.qgm	R442302.qgd	WG2171899,ICAL22994	T	STD+NAPH BY SIM	Y
	END SEQ		R442303.qgd		END SEQ		
2	L2605932-01,3,250,250	TO15_SFS.qgm	R442304.qgd	WG2171899,ICAL22994		PA-9SIM	Y
3	L2605932-02,3,250,250	TO15_SFS.qgm	R442305.qgd	WG2171899,ICAL22994		PA-9SIM	Y
4	L2605932-03,3,250,250	TO15_SFS.qgm	R442306.qgd	WG2171899,ICAL22994		PA-9SIM	Y
5	L2605932-04,3,250,250	TO15_SFS.qgm	R442307.qgd	WG2171899,ICAL22994		PA-9SIM	Y

Instrument ID: Airlab 16

Internal Standard/Surrogate IDs: SS23-027/ SS23-018

Date: 02/03/26

Internal Standard/Surrogate Volume: 100 ml

Analyst Initials: BJB

Sequence File Name: 260203.S

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)	Product/ Sublist	k Check Pas
1	TA16013101	TO15_SFS.qgm	R1653973.qgd	250 mL	TUNE		NA
2	APH-10STD10.0	TO15_SFS.qgm	R1653974.qgd	SS25-029B2 125 mL	APH CC		NA
3	CA16013101	TO15_SFS.qgm	R1653975.qgd	SS25-033I 250 mL	LL CC		NA
4	CTO15-LLSTD10.0	TO15_SFS.qgm	R1653976.qgd	SS26-002G 250mL	LL LCS	Q DODECANE.	NA
4	CTO15-SIMSTD5.0	TO15_SFS.qgm	R1653977.qgd	SS26-002G 125 mL	SIM LCS		NA
1	BA16013101	TO15_SFS.qgm	R1653978.qgd	250 mL	LL BLANK		NA
1	BA16013102	TO15_SFS.qgm	R1653979.qgd	250 mL	SIM BLANK		NA
1	L2605713-01,3,250,250	TO15_SFS.qgm	R1653980.qgd	250 mL		LL/SIM/APH BATCH CERTS	NA
2	L2605713-02,3,250,250	TO15_SFS.qgm	R1653981.qgd	250 mL		LL/SIM/APH BATCH CERTS	NA
3	L2605713-03,3,250,250	TO15_SFS.qgm	R1653982.qgd	250 mL		LL/SIM/APH BATCH CERTS	NA
4	L2605713-04,3,250,250	TO15_SFS.qgm	R1653983.qgd	250 mL		LL/SIM/APH BATCH CERTS	NA
5	L2605713-05,3,250,250	TO15_SFS.qgm	R1653984.qgd	250 mL		LL/SIM/APH BATCH CERTS	NA
6	L2605713-07,3,250,250	TO15_SFS.qgm	R1653985.qgd	250 mL		LL/SIM/APH BATCH CERTS	NA
7	L2605713-06,3,250,250	TO15_SFS.qgm	R1653986.qgd	250 mL		LL/SIM/APH BATCH CERTS	NA
8	L2605713-08,3,250,250	TO15_SFS.qgm	R1653987.qgd	250 mL		LL/SIM/APH BATCH CERTS	NA
9	L2605713-09,3,250,250	TO15_SFS.qgm	R1653988.qgd	250 mL		LL/SIM/APH BATCH CERTS	NA
10	L2605713-10,3,250,250	TO15_SFS.qgm	R1653989.qgd	250 mL		LL/SIM/APH BATCH CERTS	NA
11	L2605809-01,3,250,250	TO15_SFS.qgm	R1653990.qgd	250 mL		LL/SIM/APH BATCH CERTS	NA
12	L2605809-02,3,250,250	TO15_SFS.qgm	R1653991.qgd	250 mL		LL/SIM/APH BATCH CERTS	NA
13	L2605809-03,3,250,250	TO15_SFS.qgm	R1653992.qgd	250 mL		LL/SIM/APH BATCH CERTS	NA
14	L2605167-02D,3,100,250	TO15_SFS.qgm	R1653993.qgd	WG2171919,ICAL22878	T	TCE	Y

14	L2605167-02DUPD,3,100,250	TO15_SFS.qgm	R1653994.qgd	WG2171919,ICAL22878	LL DUP (DUMMY)	TCE	Y
15	L2603846-05D,3,50,250	TO15_SFS.qgm	R1653995.qgd	WG2171920,ICAL22879	T	C12DCE BY SIM	Y

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

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	Barcode / SAMPLE ID SCANS
L2603846-01D	2.7	-7.49	0.75	2.02	30.27	2.01	5.43	11.0	29.5	2.68	N2	1000	14.7	1.00	1.00	35	7.14	19.16	13.051	BJB	l2603846-01a

*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
2/4/2026 1:22 PM

Appendix F Data Usability Summary Report

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

AECOM
300 Broadacres Drive, Suite 250
Bloomfield, NJ 07003
ATTN: Ms. Cary Friedman
cary.friedman@aecom.com

April 3, 2026

SUBJECT: Popular Hand Laundry - Data Validation

Dear Ms. Friedman,

Enclosed are the final validation reports for the fraction listed below. This SDG was received on March 5, 2026. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #62398:

SDG #	**Fraction**
L2603846	VOC

The data validation was performed under Category B guidelines. The analysis was validated using the following documents, as applicable to each method:

- USEPA Region 2 Analysis of Volatile Organic Compounds in Air Contained Canisters, SOP HW-31, Revision 6 (September 2016)
- USEPA National Functional Guidelines for Organic Superfund Methods Data Review, EPA 540-R-20-005 (November 2020)

Please feel free to contact us if you have any questions.

Sincerely,

Stella Cuenco
scuenco@lab-data.com
Project Manager/Senior Chemist

LDC #62398 (AECOM, Bloomfield, NJ / Popular Hand Laundry)

LDC	SDG#	Received Date	(21) Due Date	Validation Level	VOCs (TO-15 SIM)
Matrix Type:					Air
A	L2603846	3/5/26	3/26/26	Category B	8
Total			PM: SC		**8**

Count All Samples
NYDUSR
PO# 1759364 / Project# 60754065.3

\\ldcfileserver\validation\LOGIN\AECOM\Popular Hand Laundry\62398ST

Site:	Popular Hand Laundry
Laboratory:	Pace Analytical Services, LLC, Mansfield, MA
SDG:	L2603846
Reviewer:	Madeline Nicklo and Stella Cuenco/Laboratory Data Consultants for AECOM - Bloomfield, NJ
Date:	April 2, 2026

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
VP-1-20260120	L2603846-01	VOC
IA-1-20260120	L2603846-02	VOC
VP-2-20260120	L2603846-03	VOC
IA-2-20260120	L2603846-04	VOC
VP-3-20260120	L2603846-05	VOC
VP-3-20260120DL	L2603846-05DL	VOC
IA-3-20260120	L2603846-06	VOC
AA-1-20260120	L2603846-07	VOC

Associated QC Samples(s):

Field/Trip Blanks: None Associated
Field Duplicate pair: None Associated

The above-listed air samples were collected on January 20, 2026 and were analyzed for volatile organic compounds (VOC) by method TO-15 in Selected Ion Monitoring (SIM) mode. The data validation was performed in accordance with the USEPA Region 2 *Analysis of Volatile Organic Compounds in Air Contained Canisters*, SOP HW-31, Revision 6 (September 2016) and the USEPA *National Functional Guidelines for Organic Superfund Methods Data Review,* EPA 540-R-20-005 (November 2020), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blank Analysis Results
- Surrogate Recoveries
- Laboratory Duplicate Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Quantitation Limits and Data Assessment
- Sample Quantitation and Target Analyte Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

Initial calibration:

The percent relative standard deviations (%RSD) were less than or equal to 30.0% for all analytes.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all analytes with the following exceptions:

Date	Standard ID	Analyte	%D	Associated Samples	Validation Action
01/21/26	R442015_Ev2.D	1,4-Dioxane	30.4	IA-3-20260120	UJ (all non-detects)
		1,2,4-Trichlorobenzene	40.7	AA-1-20260120	UJ (all non-detects)

Continuing calibration:

The percent differences (%D) were less than or equal to 30.0% for all analytes with the following exceptions:

Date	Standard ID	Analyte	%D	Associated Samples	Validation Action
02/02/26	WG2171514-2	tert-Butyl alcohol	32	VP-1-20260120 IA-1-20260120 VP-2-20260120 IA-2-20260120 VP-3-20260120	J (all detects) UJ (all non-detects)
02/03/26	WG2171899-2	trans-1,3-Dichloropropene	31.7	IA-3-20260120 AA-1-20260120	UJ (all non-detects)

Blanks

Contamination was not detected in the method blanks.

All canisters were cleaned as required by the method. The laboratory indicated that canister certification was performed by batch. No contaminants were found in the representative canister blank.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Surrogate Recoveries

Surrogates were not required by the method.

Laboratory Duplicate Results

The laboratory has indicated that there were no duplicate (DUP) analyses specified for the samples in this SDG, and therefore duplicate analyses were not performed for this SDG.

LCS Results

VOC

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Analyte	%R (70-130)	Validation Action
WG2171514-3 (VP-1-20260120 IA-1-20260120 VP-2-20260120 IA-2-20260120 VP-3-20260120)	tert-Butyl alcohol	68	J (all detects) UJ (all non-detects)
WG2171899-3 (IA-3-20260120 AA-1-20260120)	trans-1,3-Dichloropropene	132	None

No data were qualified due to high %R when the associated results were non-detected.

Internal Standards

All internal standard areas and retention times were within QC limits.

Field Duplicate Results

No field duplicates were identified in this SDG.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the VOC analysis. These results were qualified as estimated (J) by the laboratory.

Due to high target analyte levels or difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. RLs were elevated accordingly.

Sample	VOC Analysis Reported
VP-1-20260120	19.16-fold dilution due to nature of sample matrix
VP-3-20260120DL	5-fold dilution due to nature of sample matrix

Sample Quantitation and Target Analyte Identification

Calculations were spot-checked; no discrepancies were noted.

In the case where more than one result was reported for an individual sample, the least technically acceptable results were deemed not reportable as follows:

Sample	Analyte	Reason	Validation Action
VP-3-20260120	cis-1,2-Dichloroethene	Results exceeded calibration range.	Not reportable

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of an analyte that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

VALIDATION COMPLETENESS WORKSHEET

LDC #: 62398A
SDG #: L2603846
Laboratory: Pace Analytical Services, LLC, Mansfield, MA

Date: 3/11/2026
Page: 1
Reviewer: MN
2nd Reviewer: A

Method: VOCs (EPA TO-15 SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample Receipt/Technical Holding Times	A/A	
II	GC/MS Instrument Performance Check	A	
III	Initial Calibration/ ICV	A/SW	RSD ≤30%. ICV≤30%.
IV	Continuing Calibration	SW	%D≤30
V	Laboratory Blanks/Canister Blanks	A/A	per batch
VI	Field Blanks	N	
VII	Surrogate	N	
VIII	Laboratory Duplicate	N	
IX	Laboratory Control Sample	SW	LCS
X	Field Duplicate	N	
XI	Internal standard	A	
XII	Target Analyte Quantitation	A	MDL < samples < RL, Flag A
XIII	Target Analyte Identification	A	
XIV	Leak Check Compound	—	
XV	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = Not detected; NQ = Not qualified; FD = Field duplicate; FT = Field triplicate; TB = Trip blank; FB = Field blank; AB= Ambient blank; SB = Source blank; EB = Equipment blank; R = Rinsate

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1 1	VP-1-20260120 x19.16 dil.	L2603846-01		Air	01/20/2026	Category B
2 1	IA-1-20260120	L2603846-02		Air	01/20/2026	Category B
3 1	VP-2-20260120	L2603846-03		Air	01/20/2026	Category B
4 1	IA-2-20260120	L2603846-04		Air	01/20/2026	Category B
5 1	VP-3-20260120	L2603846-05		Air	01/20/2026	Category B
6 3	VP-3-20260120DL x5 dil	L2603846-05DL		Air	01/20/2026	Category B
7 2	IA-3-20260120	L2603846-06		Air	01/20/2026	Category B
8 2	AA-1-20260120	L2603846-07		Air	01/20/2026	Category B

Notes:

1. WG2171514-4 (Lab23)		
2. WG2171899-4 (Piano4)		
3. WG2171926-4 (Lab16)		

Method: Volatiles (EPA Method TO-15)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	√			
Was canister pressure criteria met?	√			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	√			
Were all samples analyzed within the 24 hour clock criteria?	√			
III. Initial calibration & initial calibration verification				
Did the laboratory perform a 5 point calibration prior to sample analysis?	√			
Were all percent relative standard deviations (%RSD) ≤ 30%?	√			
Was an initial calibration verification standard analyzed after every ICAL for each instrument?	√			
Were all percent differences (%D) ≤ 30%?	√			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 24 hours for each instrument?	√			
Were all percent differences (%D) ≤ 30%?	√			
V. Laboratory blanks/Canister blanks				
Was a laboratory blank associated with every sample in this SDG?	√			
Was a laboratory blank analyzed at least once every 24 hours for each matrix and concentration?	√			
Was there contamination in the laboratory blanks?		√		
Was a canister blank analyzed for every canister?	√			
Was there contamination in the canister blanks?		√		
VI. Field blanks				
Were field blanks identified in this SDG?		√		
Were target analytes detected in the field blanks?			√	
VII. Surrogate spikes (optional)				
Were all surrogate percent recoveries (%R) within QC limits?			√	
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			√	
VIII. Laboratory duplicate				
Was a laboratory duplicate analyzed for this SDG?		√		
Were the relative percent differences (RPD) within the QC limits?			√	
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch for this SDG?	√			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?		√		
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		√		
Were target analytes detected in the field duplicates?			√	

Method: Volatiles (EPA Method TO-15)

Validation Area	Yes	No	NA	Findings/Comments
XI. Internal standards				
Were internal standard area counts within ± 40% from the associated calibration standard?	√			
Were retention times within ± 20.0 seconds from the associated calibration standard?	√			
XII. Analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	√			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the analyte?	√			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions applicable to level IV validation?	√			
XIII. Target analyte identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	√			
Did analyte spectra meet specified EPA "Functional Guidelines" criteria?	√			
Were chromatogram peaks verified and accounted for?	√			
XIV. System performance				
System performance was found to be acceptable.	√			
XV. Leak check analytes				
Was a leak check analyte used to evaluate sample integrity and included in the laboratory analyte list?			√	
Was the leak check analyte detected in the samples? If yes, please see leak check validation findings worksheet.			√	
XIV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	√			

LDC #: 62398A

VALIDATION FINDINGS WORKSHEET
Initial Calibration Verification

Reviewer: _____MN____

METHOD: GC/MS Volatiles (EPA Method TO-15)
A second source verification standard was analyzed after each ICAL for each instrument.
All analytes met the second source verification standards validation criteria with the exceptions identified below.

#	Date	Standard ID	Analyte	%D (Limit ≤20.0%)	Associated samples	Qualifications
	1/21/26	R442015_Ev2.D	1,4-dioxane	30.4	7,8, MB2 (ND)	J/UJ/A
			1,2,4-trichlorobenzene	40.7		

	DOD	NFG
%D	20%	30%

LDC #: _62398A

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: _____MN____

METHOD: GC/MS Volatiles (EPA Method TO-15)
Continuing calibration standards were analyzed at the required frequencies.
The retention times for all calibrated compounds were within their respective acceptance windows.
All analytes met the continuing calibration standards validation criteria with the exceptions identified below.

#	Date	Standard ID	Compound	%D (Limit ≤20%)	RRF (Limits)	Associated samples	Qualifications
	2/2/26	WG2171514-2	Tert-Butyl Alcohol	32		1-5, MB1 (ND+DET)	J/UJ/A
	2/3/26	WG2171899-2	trans-1,3-dichloropropene	31.7		7,8, MB2 (ND)	

DOD
%D 20%/50%

NFG
20%

RRF: 0.01 - poor performers 0.005 - 1,4-Dioxane 0.05 - all other analytes

LDC#: 62398A

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Reviewer: _____MN____

METHOD: GC/MS Volatiles (EPA Method TO-15)

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method.
Percent recoveries (%R) and Relative percent differences (RPD) were within QC limits with the exceptions identified below.

LCS/LCSD	Analyte	LCS %R	LCSD %R	%R Limits	RPD	RPD Limits	Associated samples	Qualifications
WG2171514-3	Tert-Butyl Alcohol	68		70-130			1-5, MB1 (3,5 DET)	J/UJ/P
WG2171899-3	trans-1,3-Dichloropropene	132		70-130			7,8, MB2 (ND)	JDET/P

LDC #: __62398A

VALIDATION FINDINGS WORKSHEET
Overall Assessment of Data

Reviewer: _____MN____

METHOD: GC/MS Volatiles (EPA Method TO-15)

All available information pertaining to the data were reviewed for data quality, uncertainty and bias using professional judment to compliment the overall assessment made below.

#	Sample ID	Analyte	Findings	Qualifications
	5	cis-1,2-Dichloroethene	Exceeds calibration range	NR

Comments:_____

LDC #: 62398A

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: MN

METHOD: GC/MS VOA (EPA Method TO-15 SIM)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of Compound
C_x = Concentration of compound,
S= Standard deviation of the RRFs,

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard
X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (IS)	Reported RRF (RRF 10 std)	Recalculated RRF (RRF 10 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL AIRLAB23	11/21/2025	cis-1,2-DCE (FBZ)	1.189	1.189	1.246	1.245	5.62	5.62
			benzene (CBZ)	0.704	0.704	0.715	0.715	4.94	4.94
			1,1,1,2 TCA (DCB)	3.703	3.703	3.721	3.721	5.12	5.12

#	Standard ID	Calibration Date	Compound (IS)	Reported RRF (RRF 10 std)	Recalculated RRF (RRF 10 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL AIRLAB16	1/20/2026	cis-1,2-DCE (FBZ)	0.761	0.761	0.782	0.782	7.44	7.43

#	Standard ID	Calibration Date	Compound (IS)	Reported RRF (RRF 10 std)	Recalculated RRF (RRF 10 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL AIRPIANO4	1/19/2026	cis-1,2-DCE (FBZ)	0.857	0.857	0.889	0.889	4.28	4.29
			benzene (CBZ)	0.873	0.873	0.913	0.913	5.89	5.89
			1,1,1,2 TCA (DCB)	2.247	2.247	2.162	2.162	6.29	6.29

LDC #: _62398A

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

METHOD: GC/MS VOA (EPA Method TO-15 SIM)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = (Ax)(Cis)/(Ais)(Cx)

Where:
ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
Ax = Area of compound,
Cx = Concentration of compound,
Ais = Area of associated internal standard
Cis = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (IS)	Average RRF (Initial)	Reported RRF (CCV)	Recalculated RRF (CCV)	Reported % D	Recalculated %D
1	WG2171514-2	02/02/26	cis-1,2-DCE (FBZ)	1.2460	1.089	1.089	12.6	12.6
			benzene (CBZ)	0.7150	0.758	0.758	6.0	6.0
			1,1,1,2 TCA (DCB)	3.7210	3.544	3.544	4.8	4.8

#	Standard ID	Calibration Date	Compound (IS)	Average RRF (Initial)	Reported RRF (CCV)	Recalculated RRF (CCV)	Reported % D	Recalculated %D
1	WG2171920-2	02/03/26	cis-1,2-DCE (FBZ)	0.782	0.985	0.985	26	26

#	Standard ID	Calibration Date	Compound (IS)	Average RRF (Initial)	Reported RRF (CCV)	Recalculated RRF (CCV)	Reported % D	Recalculated %D
1	WG2171899-2	22/3/26	cis-1,2-DCE (FBZ)	0.8890	0.879	0.879	1.1	1.1
			benzene (CBZ)	0.9130	0.897	0.897	1.8	1.8
			1,1,1,2 TCA (DCB)	2.1620	2.325	2.325	7.5	7.5

VALIDATION FINDINGS WORKSHEET
LCS Results Verification

METHOD: GC/MS VOA (EPA Method TO-15 SIM)

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control duplicate were recalculated for the compounds identified below using the following calculation:

SSC = (Area spike) (Conc IS) / (Area IS) (average RRF spike)
%Recovery = 100 * SSC/SA

Where:
SSC = Spiked concentration
SA = Spike added
LCS = Laboratory control spike recovery
LCSD = Laboratory control spike duplicate recovery

RPD = | LCS - LCSD | * 2/(LCS + LCSD)

LCS/LCSD ID: WG2171514-3

Compound	SA (ppbv)		SSC (ppbv)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
1,1-Dichloroethene	5.00	NA	4.64	NA	93	93				
Vinyl chloride	5.00		4.47		89	89				
Benzene	5.00		5.30		106	106				
Toluene	5.00		5.42		108	108				
Chlorobenzene	5.00		5.31		106	106				

VALIDATION FINDINGS WORKSHEET
Sample Results Verification

METHOD: GC/MS VOA (EPA Method TO-15 SIM)

Compound results for all Level IV samples reported with a positive detect were recalculated and verified using the following equation:

$$\text{Concentration} = \frac{(Ax)(Cis)(Vp)(Df)}{(Ais)(RRF)(Vo)(\%S)}$$

Where:

Ax = Area or height of the peak for the compound to be measured
Ais = Area or height of internal standard
Ci = Concentration of internal standard
RRF = Average relative response factor
DF = Dilution factor
Vp = Volume purged
Vo = Volume or weight of sample

Sample #	Compound	Ax	Ais	Ci (ppbv)	RRF	DF	Vp (mL)	Vo (mL)	% Solids	Calculated Concentration (ppbv)	Reported Concentration (ppbv)	% Diff
6	cis-1,2-Dichloroethene	344979	184507	10.0	0.7821	5.0000	5.0	5.0	NA	120	120	. 0