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ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

May 28, 2025

Joseph Jones
Project Manager
New York State Department of Environmental Conservation
Remedial Bureau E
625 Broadway
Albany, NY 12233

SUBJECT: FORMER FRESH & CLEAN LAUNDRY, NYSDEC SITE NO. 130111 – AMBIENT AIR SAMPLING CONDUCTED AT 22-26 RAILROAD AVE, GLEN HEAD

Dear Mr. Jones,

The following letter summarizes ambient air sampling conducted February 3, 2025 through February 4, 2025, by Environmental Assessment & Remediations (EAR) at the above referenced site, as per New York State Department of Environmental Conservation (NYSDEC) Standby Contractor Authorization Form, CallOut ID 152128 and in association with Site No. 130111. EAR was directed to conduct indoor and outdoor air sampling at the property building located at 22-26 Railroad Ave, Glen Head, NY. This building operates currently as a commercial building with one business located on the East side (lowest level) of the building and one business located on the west side (first floor) of the building. Indoor and outdoor sampling was conducted as directed by the NYSDEC, and as per the NYSDEC Division of Environmental Remediation (DER)-10/Technical Guidance for Site Investigation and Remediation (May 2010) and the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006).

During 2025 site activities, the 5 School Street business (lowest level) operated as an antique retail shop, and 22 Railroad Ave (first floor) business operated as Rally Education. See **Figure 1** for a site map and sample locations. The NYSDEC secured access for EAR at both business locations; however, during the sampling event, the tenant of the lowest level denied EAR permission to conduct chemical inventory, take photographs of the surrounding sampling area, and complete the NYSDOH building questionnaire. The following letter report documents fieldwork activities and corresponding laboratory results.

A. SITE WALK AND AMBIENT AIR SAMPLING

On February 3, 2025, EAR conducted a site walk with the NYSDEC and met with the property tenants. Proposed sample locations were confirmed for indoor air and outdoor air samples. Completed NYSDOH building questionnaire for the first floor business is included as **Appendix A.**

1. Indoor Air Sample Collection

Two indoor air (IA) samples and one IA duplicate sample were collected in the lowest level business. Two more IA samples were collected at the first floor business. All IA sample regulators were set by the laboratory to collect air samples over 24-hours. Once the sample collection time elapsed the SUMMA canister quick connect valve was

disconnected and removed from the space. Field screening data collected is included on sample log sheets in **Appendix B.** Questionnaires, inventory forms from the indoor air sampling are included in **Appendix A**. Photos for a visual representation of sampling locations and chemical inventory are included in **Appendix C.**

2. Outdoor Air Sample Collection

An ambient outdoor air (OA) sample was collected during indoor air sampling. The OA sample was collected on the East side of the building outside of the entrance to the lowest level business. The intake of the 6-liter passivated SUMMA canister was set at a height of approximately 4.5-feet above grade. The sample regulator was set by the laboratory to collect samples over the same duration of the indoor air samples (24-hours).

3. Laboratory Sampling Materials and Analysis

Air sampling vessels (SUMMA canisters) and sampling equipment including mass flow regulator valves were obtained by EAR from Pace Analytical Services, Mansfield, MA (Pace). Air sample flow rates were controlled using mass flow regulator valves calibrated by the laboratory. SUMMA canister/mass flow controller serial numbers, sample start/stop times, and vacuum readings were recorded on SUMMA canister sample log sheets. SUMMAs were batch certified cleaned by the laboratory. Completed sample log sheets are included as **Appendix B.**

A total of 5 air samples and one blind duplicate were submitted to Pace for analysis of VOCs via EPA Method TO-15[1] (SIMS for the low levels analysis) for a standard 30-day turnaround time with Level 4 deliverables requested. Indoor and outdoor air analytical results are summarized in **Table 1**. In accordance with NYSDEC directive, sub-slab samples were not collected during this sampling event. However, for reference, the reported concentrations were compared to the NYSDOH air guidance values and soil vapor intrusion (SVI) and indoor air decision matrices. The relative percent difference table of the blind duplicate air sample is included as **Table 2**. Laboratory report is included as **Appendix D.**

B. DATA USABILITY

Following receipt and review of the laboratory Level 4 data package, the electronic copies of the analytical results (reports and electronic data deliverables (EDD)) from Pace were reviewed by qualified personnel for preparation of Data Usability Summary Report (DUSR) and EDD validation. The DUSR reported no data rejections and overall data to be acceptable. DUSR is included as **Appendix E**. After validation, the EDDs were processed and submitted to NYENVDATA on May 13, 2025.

Should you have any questions regarding the activities or data in this report, please feel free to contact me at (631) 447-6400 ext. 155 or by email at Vicale@enviro-asmnt.com.

Sincerely,

Trisha L Vicale

Trisha Vicale
Project Manager
(631) 447-6400 ext. 155

[1] Lab will report in µg/m^3 with a reporting limit is 0.20 µg/m^3 or less.

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TABLES

Former Fresh & Clean Laundry
22-26 Railroad Avenue
Glen Head, NY
Site No. 130111

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

24-hour Indoor & Outdoor Air Sampling Analytical Results - February 2025
Pace Analytical-Concentrations reported in ug/m^3
Methods: TO15 SIM

Location	NYSDOH Air Guidance Values	Lowest Level		1st Floor Office		Outdoor	NYSDOH SVI IA Conc Range 1	NYSDOH SVI IA Conc Range 2	NYSDOH SVI IA Conc Range 3
		IA-1	IA-2	IA-3	IA-4	OA			
Start Date of Collection		2/3/2025	2/3/2025	2/3/2025	2/3/2025	2/3/2025			
1,1 Dichloroethane	NC	<0.08	<0.08	<0.08	<0.08	<0.08	n/a	n/a	n/a
1,1 Dichloroethene	NC	**0.07 J**	**0.04 J**	<0.08	<0.08	<0.08	<0.2	0.2 to <1	>=1
1,1,1 Trichloroethane	NC	**0.82**	**0.63**	**0.32**	**0.32**	<0.11	<3	3 to <10	>=10
1,1,2 Trichloroethane	NC	<0.11	<0.11	<0.11	<0.11	<0.11	n/a	n/a	n/a
1,1,2,2 Tetrachloroethane	NC	<0.14	<0.14	<0.14	<0.14	<0.14	n/a	n/a	n/a
1,2 Dibromoethane	NC	<0.15	<0.15	<0.15	<0.15	<0.15	n/a	n/a	n/a
1,2 Dichlorobenzene	NC	<0.12	<0.12	<0.12	<0.12	<0.12	n/a	n/a	n/a
1,2 Dichloroethane	NC	**0.86**	**0.96**	**0.43**	**0.43**	**0.09**	n/a	n/a	n/a
1,2 Dichloropropane	NC	<0.09	<0.09	<0.09	<0.09	<0.09	n/a	n/a	n/a
1,2,4 Trichlorobenzene	NC	<0.37	<0.37	<0.37	<0.37	<0.37	n/a	n/a	n/a
1,2,4 Trimethylbenzene	NC	**0.74**	**0.85**	**0.6**	**0.59**	**0.17**	<2	2 to <10	>=10
1,3 Dichlorobenzene	NC	<0.12	<0.12	<0.12	<0.12	<0.12	n/a	n/a	n/a
1,3,5 Trimethylbenzene	NC	**0.21**	**0.26**	**0.17**	**0.18**	<0.10	<2	2 to <10	>=10
1,4 Dichlorobenzene	NC	**0.10 J**	**0.09 J**	**0.07 J**	**0.07 J**	<0.12	n/a	n/a	n/a
1,4-Dioxane	NC	**0.24 J**	**0.4**	**0.15 J**	**0.15 J**	<0.36	n/a	n/a	n/a
2,2,4-Trimethylpentane	NC	**1.63**	**2.06**	**1.11**	**1.22**	**0.75 J**	<2	2 to <10	>=10
4-Methyl-2-Pentanone	NC	<2.05	<2.05	<2.05	<2.05	<2.05	n/a	n/a	n/a
Benzene	NC	**0.93**	**0.99**	**0.89**	**0.95**	**0.73**	<2	2 to <10	>=10
Benzyl Chloride	NC	<0.52	<0.52	<0.52	<0.52	<0.52	n/a	n/a	n/a
Bromodichloromethane	NC	<0.13	<0.13	<0.13	<0.13	<0.13	n/a	n/a	n/a
Bromoform	NC	<0.21	<0.21	<0.21	<0.21	<0.21	n/a	n/a	n/a
Bromomethane	NC	**0.09**	**0.07 J**	**0.09**	**0.07 J**	**0.08**	n/a	n/a	n/a
c 1,3 Dichloropropene	NC	<0.09	<0.09	<0.09	<0.09	<0.09	n/a	n/a	n/a
Carbon Tetrachloride	NC	**0.66**	**0.67**	**0.66**	**0.67**	**0.65**	<0.2	0.2 to <1	>=1
Chlorobenzene	NC	<0.46	<0.46	<0.46	<0.46	<0.46	n/a	n/a	n/a
Chloroethane	NC	<0.26	<0.26	<0.26	<0.26	<0.26	n/a	n/a	n/a
Chloroform	NC	**0.19**	**0.18**	**0.17**	**0.16**	**0.13**	n/a	n/a	n/a
Chloromethane	NC	**1.07**	**1.15**	**1.15**	**1.13**	**1.14**	n/a	n/a	n/a
cis-1,2-Dichloroethene	NC	**14.6**	**10.9**	**4.64**	**5.19**	**0.06 J**	<0.2	0.2 to <1	>=1
Cyclohexane	NC	**0.56 J**	**0.59 J**	<0.69	<0.69	**0.27 J**	<2	2 to <10	>=10
Dibromochloromethane	NC	<0.17	<0.17	<0.17	<0.17	<0.17	n/a	n/a	n/a
Dichlorodifluoromethane	NC	**3.3**	**3.42**	**3.13**	**3.19**	**2.99**	n/a	n/a	n/a
Ethanol	NC	**65.9**	**79.5**	**84.6**	**84.4**	**8.06 J**	n/a	n/a	n/a
Ethylbenzene	NC	**1.31**	**1.35**	**0.74**	**0.77**	**0.19**	<2	2 to <10	>=10
Freon 113	NC	**0.51**	**0.74**	**0.53**	**0.58**	**0.5**	n/a	n/a	n/a
Freon 114	NC	**0.16 J**	**0.18 J**	**0.15 J**	**0.15 J**	**0.15 J**	n/a	n/a	n/a
Heptane	NC	**3.54**	**3.15**	**2.05**	**2.56**	**0.41 J**	<6	6 to <20	>=20
Hexachlorobutadiene	NC	<0.53	<0.53	<0.53	<0.53	<0.53	n/a	n/a	n/a
Hexane	NC	**1.8**	**1.82**	**1.6**	**1.3**	**0.93**	<6	6 to <20	>=20
m + p Xylene*	NC	**4.2**	**4.43**	**2.4**	**2.57**	**0.52**	<6	6 to <20	>=20
Methyl Ethyl Ketone	NC	**4.16**	**2.43**	**1.78**	**1.93**	**3.39**	n/a	n/a	n/a
Methylene Chloride	**60**	**1.4 J**	**1.22 J**	**0.80 J**	**0.86 J**	**0.43 J**	<3	3 to <10	>=10
Naphthalene	NC	**0.17 J**	**0.19 J**	**0.14 J**	**0.14 J**	<0.26	<2	2 to <10	>=10
o-Xylene	NC	**1.17**	**1.22**	**0.74**	**0.77**	**0.22**	<2	2 to <10	>=10
Styrene	NC	**0.14**	**0.17**	**0.18**	**0.19**	<0.09	n/a	n/a	n/a
t 1,3 Dichloropropene	NC	<0.09	<0.09	<0.09	<0.09	<0.09	n/a	n/a	n/a
t butylmethylether	NC	<0.72	<0.72	<0.72	<0.72	<0.72	n/a	n/a	n/a
Tert-Butyl Alcohol	NC	<1.52	<1.52	<1.52	<1.52	<1.52	n/a	n/a	n/a
Tetrachloroethene	**100**	**545**	**322**	**173**	**187**	**2.33**	<3	3 to <10	>=10
Toluene	NC	**4.18**	**3.96**	**2.69**	**3.12**	**1.03**	<6	6 to <20	>=20
Total BTEX	NC	**11.79**	**11.95**	**7.46**	**8.18**	**2.68**	n/a	n/a	n/a
trans-1,2-Dichloroethene	NC	**3.31**	**2.35**	**1.06**	**1.17**	**0.04 J**	n/a	n/a	n/a
Trichloroethylene	**5**	**40.4**	**28.9**	**12.6**	**13.8**	**0.06 J**	<0.2	0.2 to <1	>=1
Trichlorofluoromethane	NC	**1.93**	**2.1**	**1.76**	**1.78**	**1.76**	n/a	n/a	n/a
Vinyl Chloride	NC	**0.23**	**0.17**	**0.09**	**0.1**	<0.05	<0.2	>=0.2	n/a

***The standard applies to each isomer separately**

As directed by NYSDEC, no sub slab samples were collected during this sampling event.
NC: No Standards, criteria, or guidance values
Red highlighted concentrations exceed NYSDOH Air Guidance Values (2006 Guidance)
Highlighted concentrations are reported at or above the Indoor Air Concentration which would qualify as Identify source(s) and Resample or Mitigate on the NYSDOH Soil Vapor/Indoor Air Matricies (Guidance Updates May 2017 & February 2024)

Former Fresh & Clean Laundry
22-26 Railroad Avenue
Glen Head, NY
Site No. 130111

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Duplicate Sample - Relative Percent Difference Analytical Results
Pace Analytical-Concentrations reported in ug/m^3
Methods: TO15 SIM

Location	Lowest Level		Relative Percent Difference (%)
	IA-1	IA-X	
Start Date of Collection	2/3/2025	2/3/2025	
1,1 Dichloroethane	<0.081	<0.081	0 %
1,1 Dichloroethene	0.071 J	0.075 J	NA
1,1,1 Trichloroethane	0.818	0.818	0 %
1,1,2 Trichloroethane	<0.109	<0.109	0 %
1,1,2,2 Tetrachloroethane	<0.137	<0.137	0 %
1,2 Dibromoethane	<0.154	<0.154	0 %
1,2 Dichlorobenzene	<0.12	<0.12	0 %
1,2 Dichloroethane	0.862	0.842	**2.35 %**
1,2 Dichloropropane	<0.092	<0.092	0 %
1,2,4 Trichlorobenzene	<0.371	<0.371	0 %
1,2,4 Trimethylbenzene	0.742	0.787	**5.89 %**
1,3 Dichlorobenzene	<0.12	<0.12	0 %
1,3,5 Trimethylbenzene	0.211	0.231	**9.05 %**
1,4 Dichlorobenzene	0.096 J	0.096 J	NA
1,4-Dioxane	0.238 J	0.267 J	NA
2,2,4-Trimethylpentane	1.63	1.61	**1.23 %**
4-Methyl-2-Pentanone	<2.05	<2.05	0 %
Benzene	0.933	0.917	**1.73 %**
Benzyl Chloride	<0.518	<0.518	0 %
Bromodichloromethane	<0.134	<0.134	0 %
Bromoform	<0.207	<0.207	0 %
Bromomethane	0.089	0.082	**8.19 %**
c 1,3 Dichloropropene	<0.091	<0.091	0 %
Carbon Tetrachloride	0.66	0.667	**1.06 %**
Chlorobenzene	<0.461	<0.461	0 %
Chloroethane	<0.264	<0.264	0 %
Chloroform	0.186	0.186	0 %
Chloromethane	1.07	0.985	**8.27 %**
cis-1,2-Dichloroethene	14.6	14.8	**1.36 %**
Cyclohexane	0.558 J	0.482 J	NA
Dibromochloromethane	<0.17	<0.17	0 %
Dichlorodifluoromethane	3.3	3.36	**1.8 %**
Ethanol	65.9	65.6	**0.46 %**
Ethylbenzene	1.31	1.29	**1.54 %**
Freon 113	0.514	0.514	0 %
Freon 114	0.161 J	0.161 J	NA
Heptane	3.54	3.55	**0.28 %**
Hexachlorobutadiene	<0.533	<0.533	0 %
Hexane	1.8	1.8	0 %
m + p Xylene*	4.2	4.24	**0.95 %**
Methyl Ethyl Ketone	4.16	2.88	**36.36 %**
Methylene Chloride	1.4 J	1.4 J	NA
Naphthalene	0.168 J	0.152 J	NA
o-Xylene	1.17	1.16	**0.86 %**
Styrene	0.141	0.153	**8.16 %**
t 1,3 Dichloropropene	<0.091	<0.091	0 %
t butylmethylether	<0.721	<0.721	0 %
Tert-Butyl Alcohol	<1.52	<1.52	0 %
Tetrachloroethene	392	389	**1.64 %**
Toluene	4.18	4.18	0 %
trans-1,2-Dichloroethene	3.31	3.35	**1.2 %**
Trichloroethylene	40.4	41	**1.47 %**
Trichlorofluoromethane	1.93	1.96	**1.54 %**
Vinyl Chloride	0.23	0.245	**6.32 %**

*The standard applies to each isomer separately

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

NA = not applicable, both values are estimates

FIGURES



ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Figure 1
Site Map

Former Fresh & Clean Laundry
22-26 Railroad Avenue
Glen Head, NY 11545
NYSDEC Spill# 130111

APPENDIX A: NYSDOH INDOOR AIR QUALITY QUESTIONNAIRE & BUILDING INVENTORY FORMS

Soil Vapor Intrusion - Structure Sampling Building Questionnaire **Structure ID :** _____

Site No. : 130111 **Site Name :** Former Fresh + Clean Laundry

Date: 2/4/25 **Time:** _____

Structure Address : 22-26 Railroad Ave, Glen Head

Preparer's Name & Affiliation : _____

Residential ? ☐ Yes ☒ No **Owner Occupied ?** ☐ Yes ☐ No **Owner Interviewed ?** ☐ Yes ☐ No

Commercial ? ☒ Yes ☐ No **Industrial ?** ☐ Yes ☐ No **Mixed Uses ?** ☐ Yes ☐ No

Identify all non-residential use(s) : Lowest level: Antique Shop / Upper level: Offices

Owner Name : _____ **Owner Phone :** ( ) _____ - _____

Secondary Owner Phone : ( ) _____ - _____

Owner Address (if different) : [redacted]

Occupant Name : Rely Education **Occupant Phone :** (888) 997 - 2559

Secondary Occupant Phone : ( ) _____ - _____

Number & Age of All Persons Residing at this Location : Between 30 - 70 years old (7 individuals)

Additional Owner/Occupant Information : _____

Describe Structure (style, number floors, size) : Brick Building, 2 Floors

Approximate **Year Built :** 1960's **Is the building Insulated?** ☒ Yes ☐ No — and floor finished

Lowest level : ☐ Slab-on-grade ☒ Basement ☐ Crawlspace

Describe Lowest Level (finishing, use, time spent in space) : Antique Shop business. Open Wed-Sunday 10:30-5:30

Floor Type: ☒ Concrete Slab ☐ Dirt ☐ Mixed : _____

Floor Condition : ☐ Good (few or no cracks) ☒ Average (some cracks) ☐ Poor (broken concrete or dirt)

Sumps/Drains? ☐ Yes ☐ No Describe : unknown

Identify other floor penetrations & details : Floor concrete + covered with area rugs (Antique Shop)

Wall Construction : ☐ Concrete Block ☐ Poured Concrete ☐ Laid-Up Stone

Identify any wall penetrations : Drainage pipes in ceiling along back (western) wall. MEG to collect waste sample (2/3/25)

Identify water, moisture, or seepage: location & severity (sump, cracks, stains, etc) : No visible water or leaks present

Heating Fuel : ☐ Oil ☒ Gas ☐ Wood ☐ Electric ☐ Other : _____

Heating System : ☒ Forced Air ☐ Hot Water ☐ Other : _____

Hot Water System : ☐ Combustion ☐ Electric ☐ Boilermate ☐ Other: Gas ?

Clothes Dryer : ☐ Electric ☐ Gas Where is dryer **vented** to? _____

If combustion occurs, describe where air is drawn from (cold air return, basement, external air, etc.) : _____

Fans & Vents (identify where fans/vents pull air from and where they vent/exhaust to) : Vent fan in back of second floor occupant area

Describe factors that may affect indoor air quality (chemical use/storage, unvented heaters, smoking, workshop):

Basement storage closet/workshop had some paints, wd-40 type items.

Attached garage ? ☐ Yes ☒ No Air fresheners ? ☐ Yes ☐ No

New carpet or furniture ? ☐ Yes ☒ No What/Where ? (lowest floor :) unknown

Recent **painting** or **staining** ? ☐ Yes ☑ No Where ? : _____

Any **solvent** or **chemical-like** odors ? ☐ Yes ☒ No Describe : _____

Last time **Dry Cleaned** fabrics brought in ? _____ What / Where ? unknown

Do any building occupants use solvents at work ? ☐ Yes ☒ No Describe : unknown

Any testing for Radon ? ☐ Yes ☐ No Results : unknown

Radon System/Soil Vapor Intrusion Mitigation System present ? ☐ Yes ☒ No If yes, describe below

Lowest Building Level Layout Sketch

See attachments

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or **F**	Boiler or Furnace	o	Other floor or wall penetrations (label appropriately)
HW	Hot Water Heater	**xxxxxxx**	Perimeter Drains (draw inside or outside outer walls as appropriate)
FP	Fireplaces	**######**	Areas of broken-up concrete
WS	Wood Stoves	● SS-1	Location & label of sub-slab vapor samples
W/D	Washer / Dryer	● IA-1	Location & label of indoor air samples
S	Sumps	● OA-1	Location & label of outdoor air samples
@	Floor Drains	● PFET-1	Location and label of any pressure field test holes.

Structure Sampling - Product Inventory

Homeowner Name & Address: Rally Educate

Date: 2/4/25

Samplers & Company: SD EAR

Structure ID:

Site Number & Name:

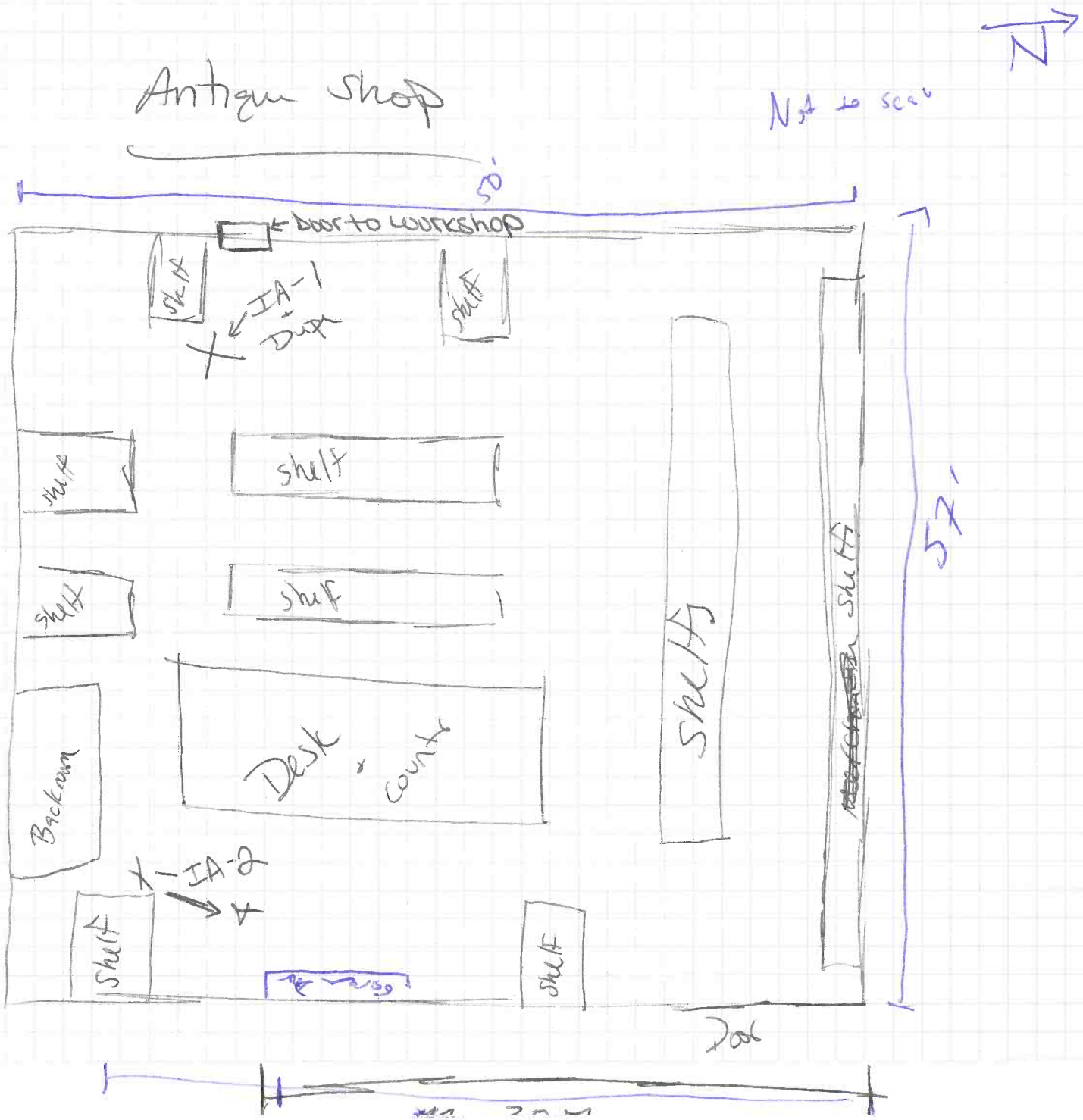
Phone Number:

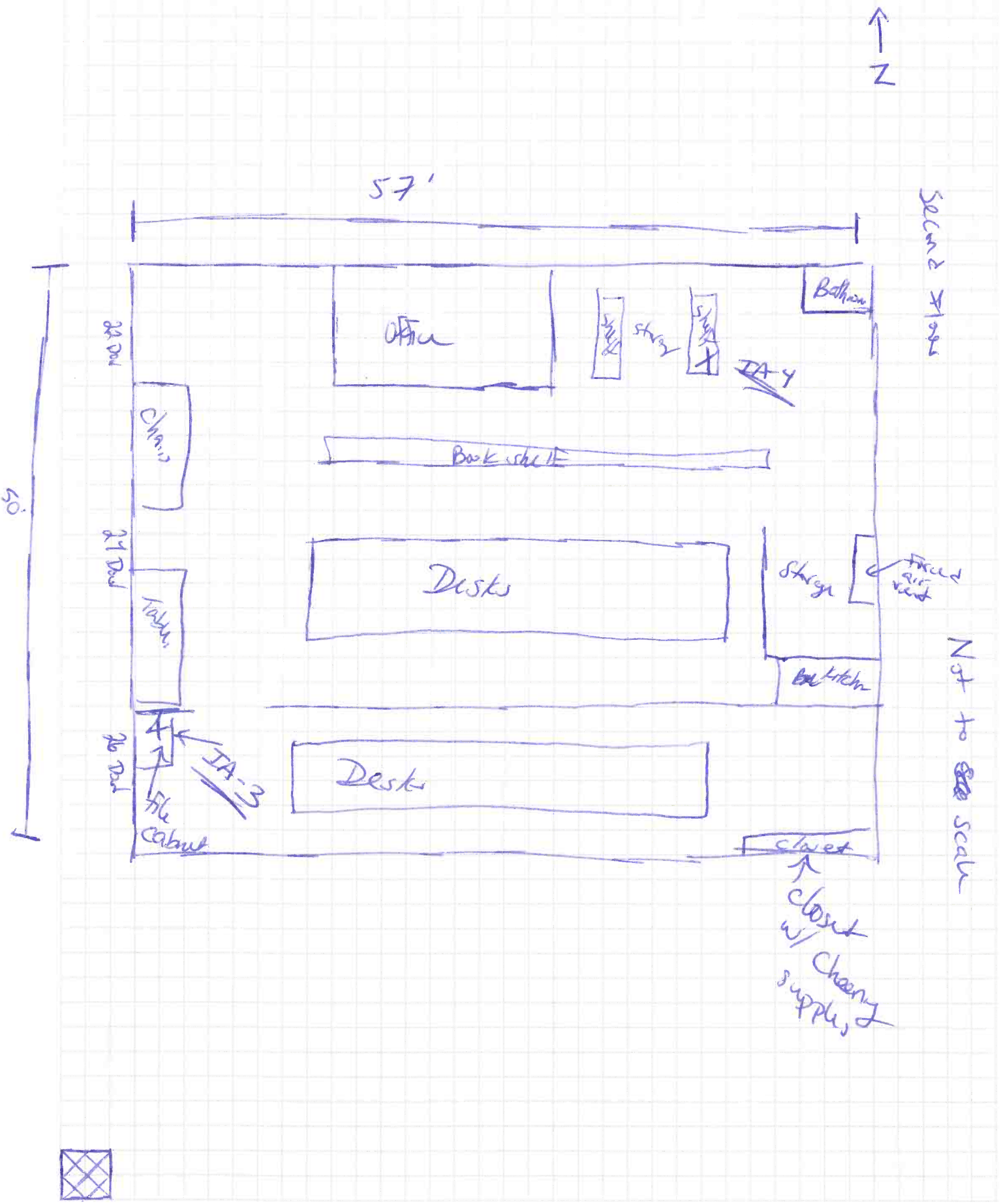
Make & Model of PID: PPB Rae 3000

Date of PID Calibration:

Identify any Changes from Original Building Questionnaire :

Product Name/Description	Quantity	Chemical Ingredients	PID Reading	Location
Windex	1	See Pictures	0	Cleaning closet
Myrs clean Day	1			
Lysol disinfectant	1			
Lysol Power	1			
Clorox Anywhere Hard surface	1			
Resolve	1			
Sime wall Hand Sanitizer	1			
Krylon Flat white	1			
Febreeze air	2			
Dawn	2			
soft soap	3			
Clorox wipes	3			
Sustainable Earth Glass Cleaner	1			
Earth Enzymes	1			
Raid Ant kills	1			


Antique Shop
N
Not to scale
50'
door to workshop
shelf
IA-1
Desk
shelf
shelf
shelf
shelf
shelf
shelf
shelf
shelf
shelf
Desk + counter
Backroom
IA-2
shelf
shelf
57'
Door


N
57'
50'
Bathroom
Office
Str
Str
IA-4
Bookshelf
Chairs
Desk
Table
Storage
Fire alarm
Kitchen
IA-3
Desk
File cabinet
Closet
Closet w/ Cleaning supplies
Secure Y/N
N-S to scale

APPENDIX B: SAMPLE LOG SHEETS

ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

Sample Log Sheet

Date: 2/3/25 - 2/4/25
Site ID: Former Fresh + Clean Laundry
Address: 22-26 Railroad ave, Glen Head
Preparer's Name: SD

Sampling Information

Sample name(as it appears on CoC): IA-1

Sample location (include depth/elevation): Lowest level / Antique Shop
3 ft above ground

Laboratory and analysis: Pace / Alpha - TO-15 SIM

Purge Volume: 6 Liter Canister for Ambient Air Composite

1. Summa Canister Information

Laboratory ID #: 2632

Cleaning/Certification Date: Batch Cleaning ID: L2504347-09

Batch #/Analyst:

2. Flow Controller/Metering Valve Information

Laboratory ID #: 0433

~~s/n:~~ Initial flow (lab): 3 ml/min

model/lot #: -

3. Diaphragm/Bellows Valve

Manufacturer: -

s/n or lot #: -

model #: -

4. Laboratory/Field Vacuums

Laboratory Vacuum (Before Sampling): -29.4 "Hg

Field Vacuum (Start Sampling): -29.97 "Hg

Field Vacuum (Stop Sampling): -7.91 "Hg

Laboratory Vacuum (After Sampling) -7.5 "Hg

5. Collection Period

Sample collection start time (24 hr. clock): 12:30PM

Sample collection end time (24 hr. clock): 12:05 PM

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Sample Log Sheet

Date: 2/3/25 - 2/4/25
Site ID: Former Fresh & Clean Laundry
Address: 22-26 Railroad ave, Glen Head
Preparer's Name: SD

Sampling Information

Sample name(as it appears on CoC): DUPE (IA-X)

Sample location (include depth/elevation): Adjacent to IA-1
3 ft aft Ground

Laboratory and analysis: Pace/Alpha - TO-15 SIM

Purge Volume: 6 Liter Canister for Ambient Air Composite

1. Summa Canister Information

Laboratory ID #: 26416

Cleaning/Certification Date: Batch Cleaning ID: L2508943-05

Batch #/Analyst:

2. Flow Controller/Metering Valve Information

Laboratory ID #: 0843

Initial flow ~~s/n:~~ (lab) 3ml/min

model/lot #: -

3. Diaphragm/Bellows Valve

Manufacturer: -

s/n or lot #: -

model #: -

4. Laboratory/Field Vacuums

Laboratory Vacuum (Before Sampling): -29.4 "Hg

Field Vacuum (Start Sampling): -30.29 "Hg

Field Vacuum (Stop Sampling): -3.15 "Hg

Laboratory Vacuum (After Sampling) -2.6 "Hg

5. Collection Period

Sample collection start time (24 hr. clock): 1231PM

Sample collection end time (24 hr. clock): 12:06

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Sample Log Sheet

Date: 2/3/25 - 2/4/25
Site ID: Former Fresh & Clean Laundry
Address: 22-26 Railroad ave, Glen Head
Preparer's Name: SD

Sampling Information

Sample name(as it appears on CoC): IA-2

Sample location (include depth/elevation): Lowest Level/Antique Shop
4 ft off ground

Laboratory and analysis: Pace/Alpha - TO-15 SIM

Purge Volume: 6 Liter Canister for Ambient Air Composite

1. Summa Canister Information

Laboratory ID #: 1574

Cleaning/Certification Date: Batch Cleaning ID: L2504347-09

Batch #/Analyst:

2. Flow Controller/Metering Valve Information

Laboratory ID #: 02200

~~s/n:~~ Initial flow (lab): 3 ml/min

model/lot #: -

3. Diaphragm/Bellows Valve

Manufacturer: -

s/n or lot #: -

model #: -

4. Laboratory/Field Vacuums

Laboratory Vacuum (Before Sampling): -29.4 "Hg

Field Vacuum (Start Sampling): -30.02 "Hg

Field Vacuum (Stop Sampling): -12.96 "Hg

Laboratory Vacuum (After Sampling) -12.5 "Hg

5. Collection Period

Sample collection start time (24 hr. clock): 12:31 PM

Sample collection end time (24 hr. clock): 12:15 PM

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Sample Log Sheet

Date: 2/3/25 - 2/4/25
Site ID: Former Fresh + Clean Laundry
Address: 22-26 Railroad ave, Glen Head
Preparer's Name: SD

Sampling Information

Sample name(as it appears on CoC): IA-3

Sample location (include depth/elevation): Upper level offices
6ft off the ground

Laboratory and analysis: Pace/Alpha - TO-15 SIM

Purge Volume: 6 Liter Canister for Ambient Air Composite

1. Summa Canister Information

Laboratory ID #: 2880

Cleaning/Certification Date: ~~Batch Cleaning ID: 12504347-09~~

Batch #/Analyst:

2. Flow Controller/Metering Valve Information

Laboratory ID #: 01728

~~s/n:~~ Initial flow (lab): 3 ml/min

model/lot #: -

3. Diaphragm/Bellows Valve

Manufacturer: -

s/n or lot #: -

model #: -

4. Laboratory/Field Vacuums

Laboratory Vacuum (Before Sampling): -29.4 "Hg

Field Vacuum (Start Sampling): -30.35 "Hg

Field Vacuum (Stop Sampling): -9.05 "Hg

Laboratory Vacuum (After Sampling) -9 "Hg

5. Collection Period

Sample collection start time (24 hr. clock): 12:58 PM

Sample collection end time (24 hr. clock): 12:42

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Sample Log Sheet

Date: 2/3/25 - 2/4/25
Site ID: Former Fresh & Clean Laundry
Address: 22-26 Railroad ave, Glen Head
Preparer's Name: SD

Sampling Information

Sample name(as it appears on CoC): IA-4

Sample location (include depth/elevation): Upper level offices 6 ft off ground

Laboratory and analysis: Pace/Alpha - TO-15

Purge Volume: 6 Liter Canister for Ambient Air Composite

1. Summa Canister Information

Laboratory ID #: ~~[illegible]~~ 4859

Cleaning/Certification Date: Batch cleaning ID:

Batch #/Analyst: L2504347-09

2. Flow Controller/Metering Valve Information

Laboratory ID #: 01375

~~s/n:~~ Initial flow (lab) 3 ml/min

model/lot #: -

3. Diaphragm/Bellows Valve

Manufacturer: -

s/n or lot #: -

model #: -

4. Laboratory/Field Vacuums

Laboratory Vacuum (Before Sampling): -29.4 "Hg

Field Vacuum (Start Sampling): -30.35 "Hg

Field Vacuum (Stop Sampling): -13.30 "Hg

Laboratory Vacuum (After Sampling) -13 "Hg

5. Collection Period

Sample collection start time (24 hr. clock): 12:55 PM

Sample collection end time (24 hr. clock): 12:40

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Sample Log Sheet

Date: 2/3/25 - 2/4/25
Site ID: Former Fresh & Clean Laundry
Address: 22-26 Railroad ave, Glen Head
Preparer's Name: SD

Sampling Information

Sample name(as it appears on CoC): OA

Sample location (include depth/elevation): East side of building/Parking lot
4.5ft off ground

Laboratory and analysis: Pace/Alpha - TO-15

Purge Volume: 6 Liter Canister for Ambient Air Composite

1. Summa Canister Information

Laboratory ID #: 3916

Cleaning/Certification Date: Batch Cleaning ID: L2504347-09

Batch #/Analyst:

2. Flow Controller/Metering Valve Information

Laboratory ID #: 0383

Initial flow rate: 3 ml/min

~~s/n:~~

model/lot #: -

3. Diaphragm/Bellows Valve

Manufacturer: -

s/n or lot #: -

model #: -

4. Laboratory/Field Vacuums

Laboratory Vacuum (Before Sampling): -29.4 "Hg

Field Vacuum (Start Sampling): -30.35 "Hg

Field Vacuum (Stop Sampling): -2.23 "Hg

Laboratory Vacuum (After Sampling) -1 "Hg

5. Collection Period

Sample collection start time (24 hr. clock): 12:40PM

Sample collection end time (24 hr. clock): 12:29

APPENDIX C: PHOTOS

Former Fresh & Clean Laundry
22-26 Railroad Avenue
Glen Head, NY
NYSDEC Site No.130111

Photo 1: IA-1 and IA-X (Lowest Level/Antique Shop)



Photo 2: IA-2 (Lowest Level/Antique Shop)



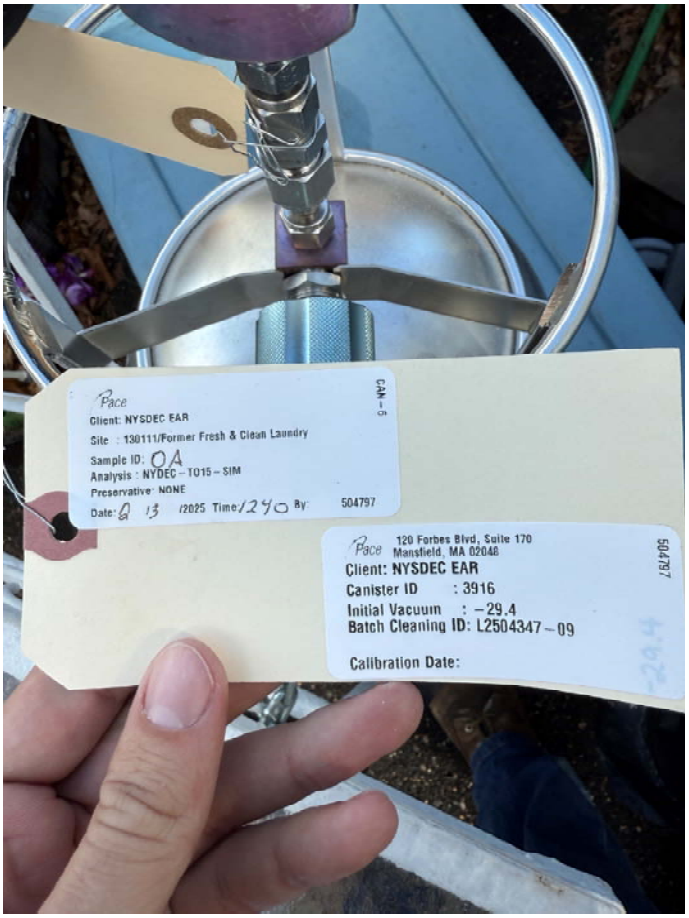
Former Fresh & Clean Laundry
22-26 Railroad Avenue
Glen Head, NY
NYSDEC Site No.130111

TO-15 samples taken indoor and outside

Photo 3: IA-3 (1st Floor Office)



Photo 4: OA-1 (Outdoor Sample East of Building)



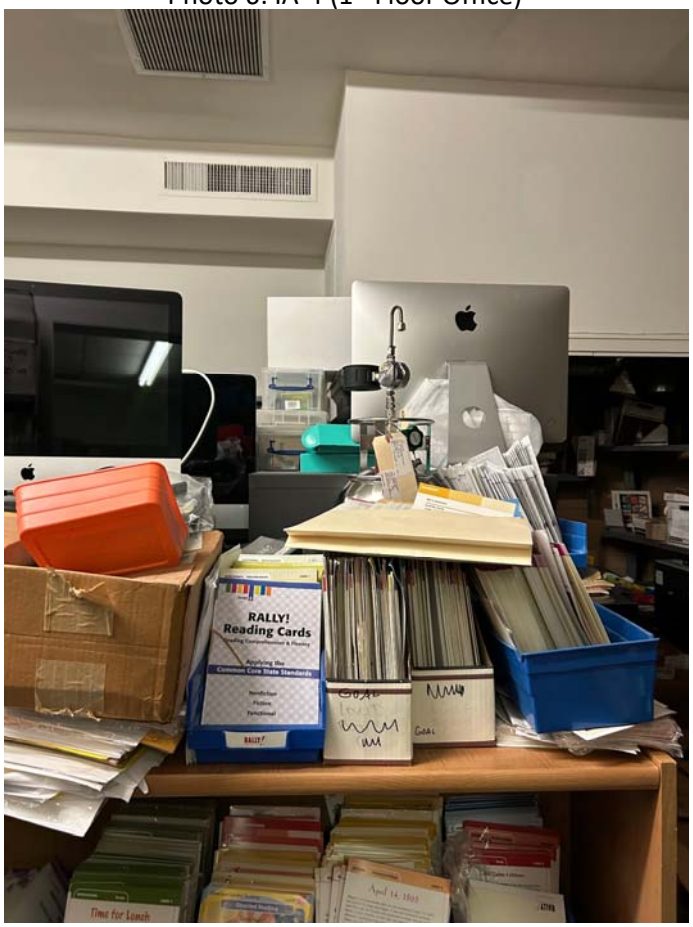
Former Fresh & Clean Laundry
22-26 Railroad Avenue
Glen Head, NY
NYSDEC Site No.130111

TO-15 samples taken indoor and outside

Photo 5: IA-4 (1st Floor Office)



Photo 6: IA-4 (1st Floor Office)



Former Fresh & Clean Laundry
22-26 Railroad Avenue
Glen Head, NY
NYSDEC Site No.130111

Chemical Inventory: 22-26 Railroad Ave (1st Floor Office)





Former Fresh & Clean Laundry
22-26 Railroad Avenue
Glen Head, NY
NYSDEC Site No.130111

Chemical Inventory: 22-26 Railroad Ave (1st Floor Office)

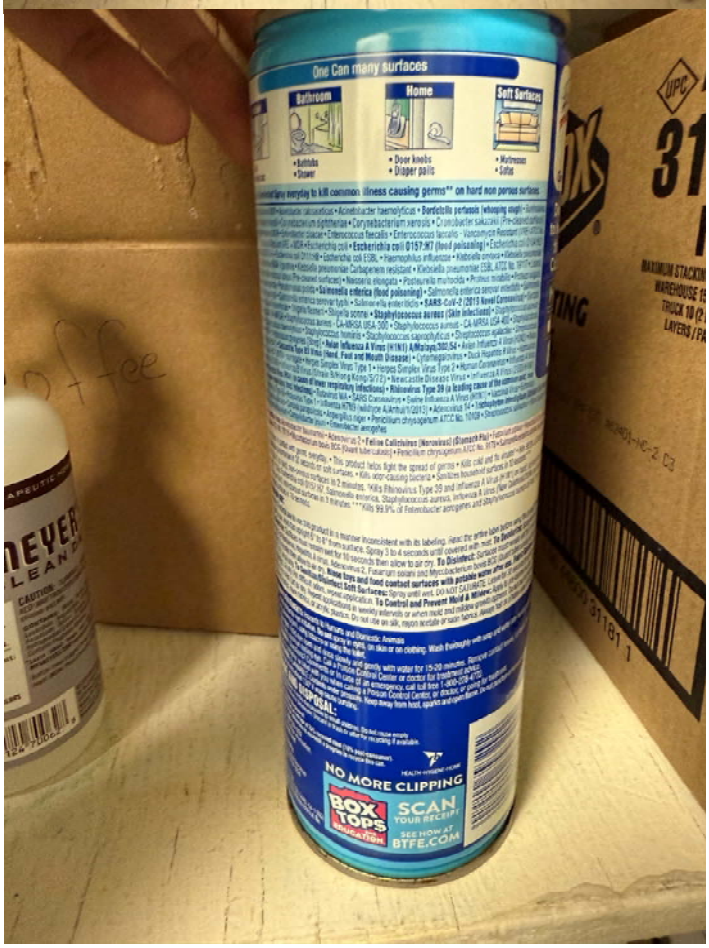




Former Fresh & Clean Laundry
22-26 Railroad Avenue
Glen Head, NY
NYSDEC Site No.130111

Chemical Inventory: 22-26 Railroad Ave (1st Floor Office)





Former Fresh & Clean Laundry
22-26 Railroad Avenue
Glen Head, NY
NYSDEC Site No.130111

Chemical Inventory: 22-26 Railroad Ave (1st Floor Office)

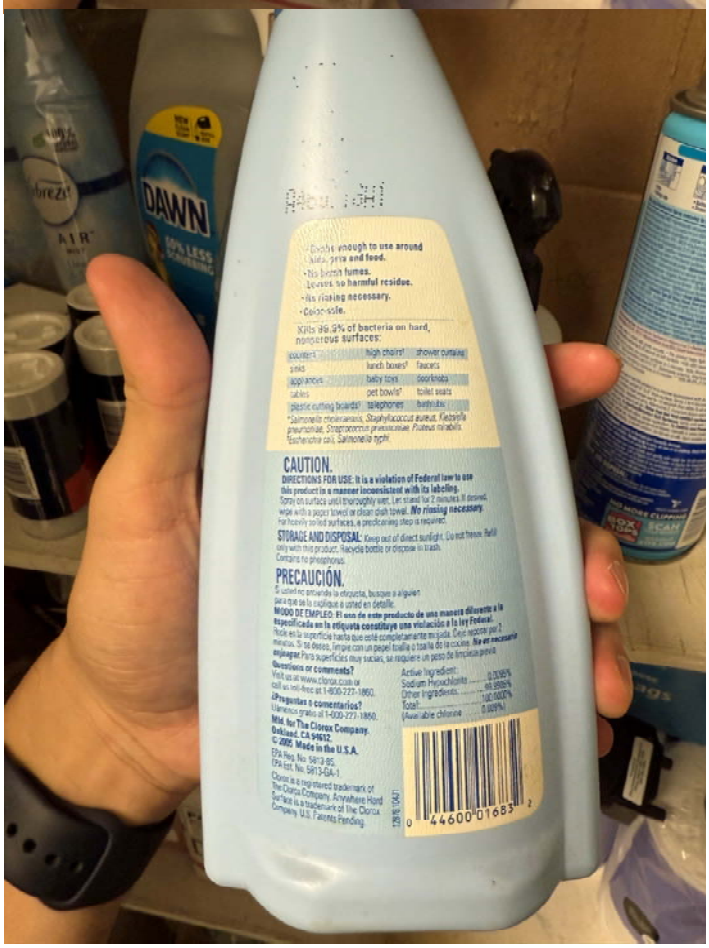




Former Fresh & Clean Laundry
22-26 Railroad Avenue
Glen Head, NY
NYSDEC Site No.130111

Chemical Inventory: 22-26 Railroad Ave (1st Floor Office)

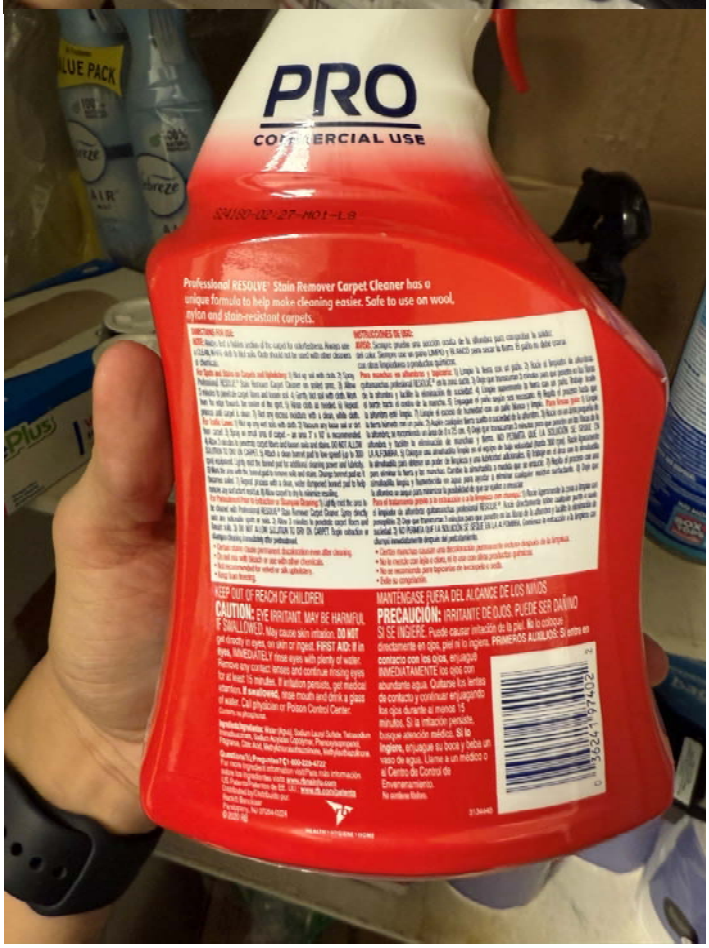




Former Fresh & Clean Laundry
22-26 Railroad Avenue
Glen Head, NY
NYSDEC Site No.130111

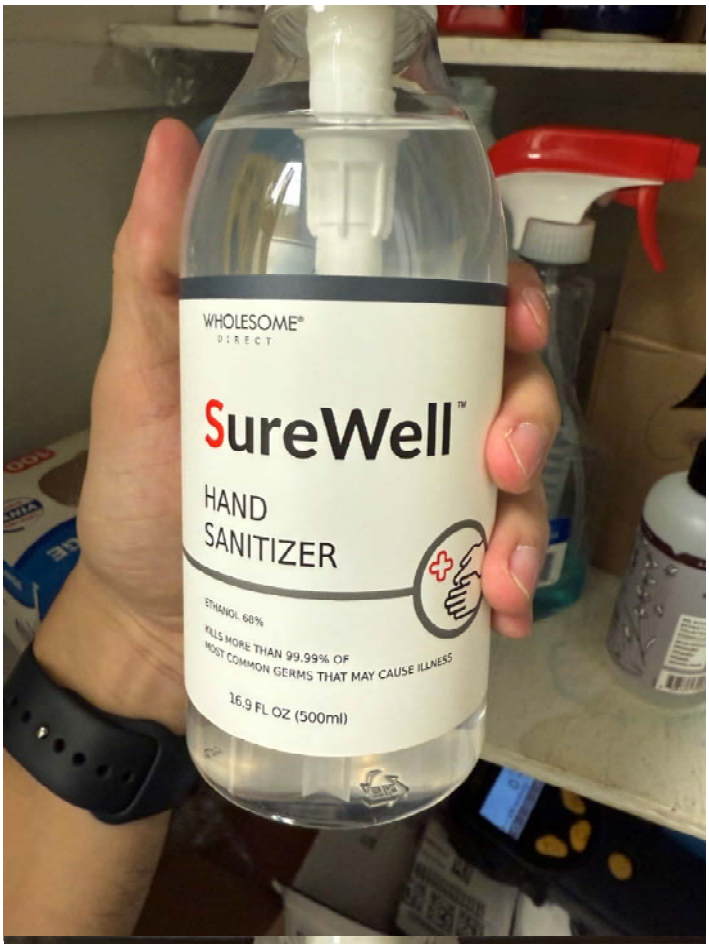
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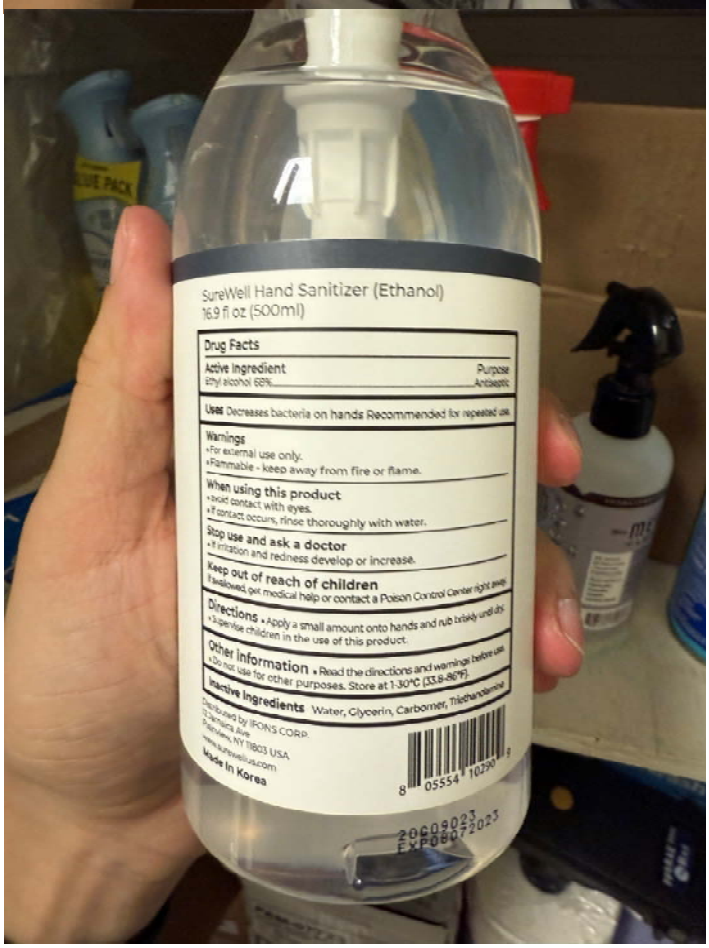




Former Fresh & Clean Laundry
22-26 Railroad Avenue
Glen Head, NY
NYSDEC Site No.130111

Chemical Inventory: 22-26 Railroad Ave (1st Floor Office)

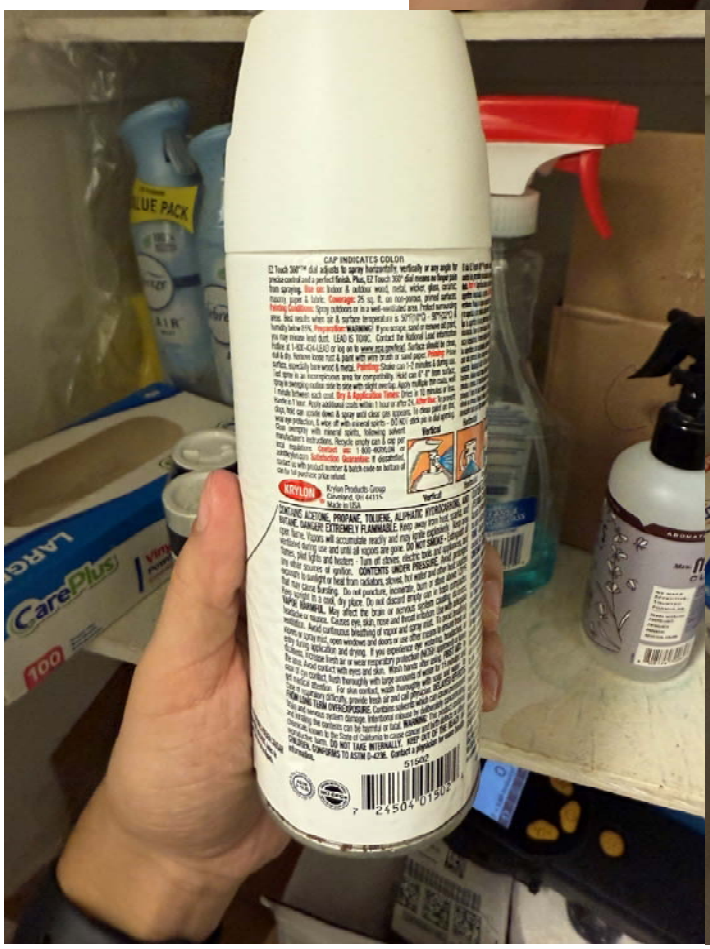


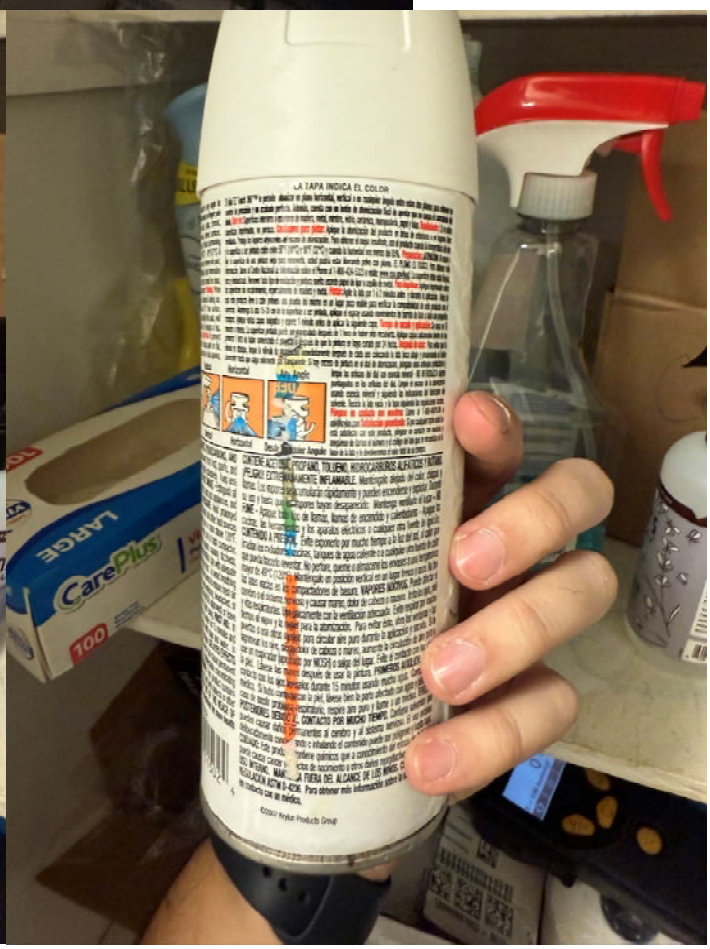


Former Fresh & Clean Laundry
22-26 Railroad Avenue
Glen Head, NY
NYSDEC Site No.130111

Chemical Inventory: 22-26 Railroad Ave (1st Floor Office)







Former Fresh & Clean Laundry
22-26 Railroad Avenue
Glen Head, NY
NYSDEC Site No.130111

Chemical Inventory: 22-26 Railroad Ave (1st Floor Office)

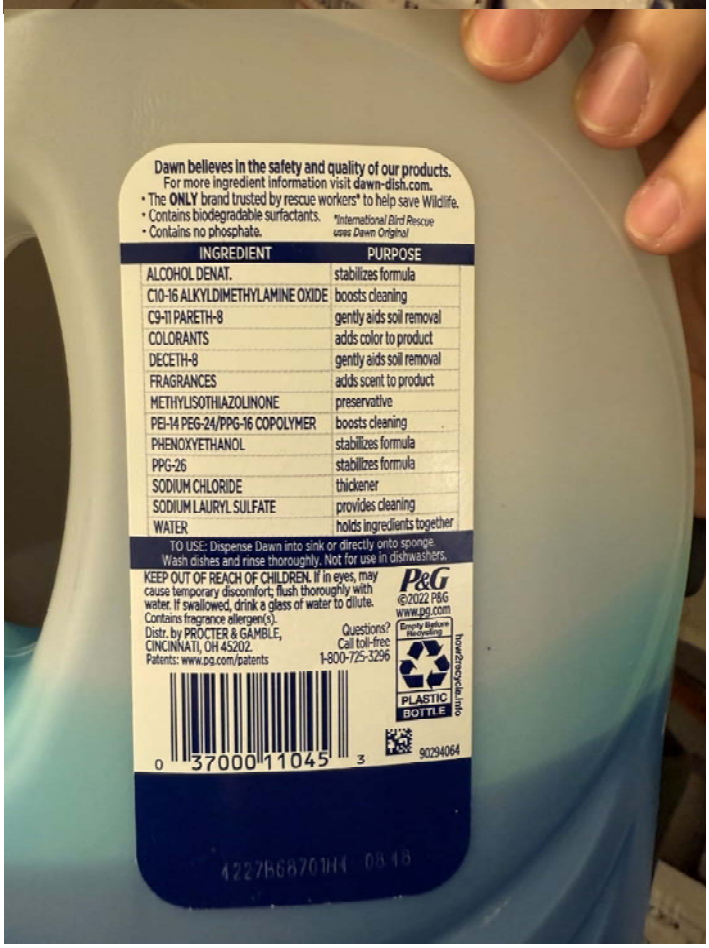




Former Fresh & Clean Laundry
22-26 Railroad Avenue
Glen Head, NY
NYSDEC Site No.130111

Chemical Inventory: 22-26 Railroad Ave (1st Floor Office)

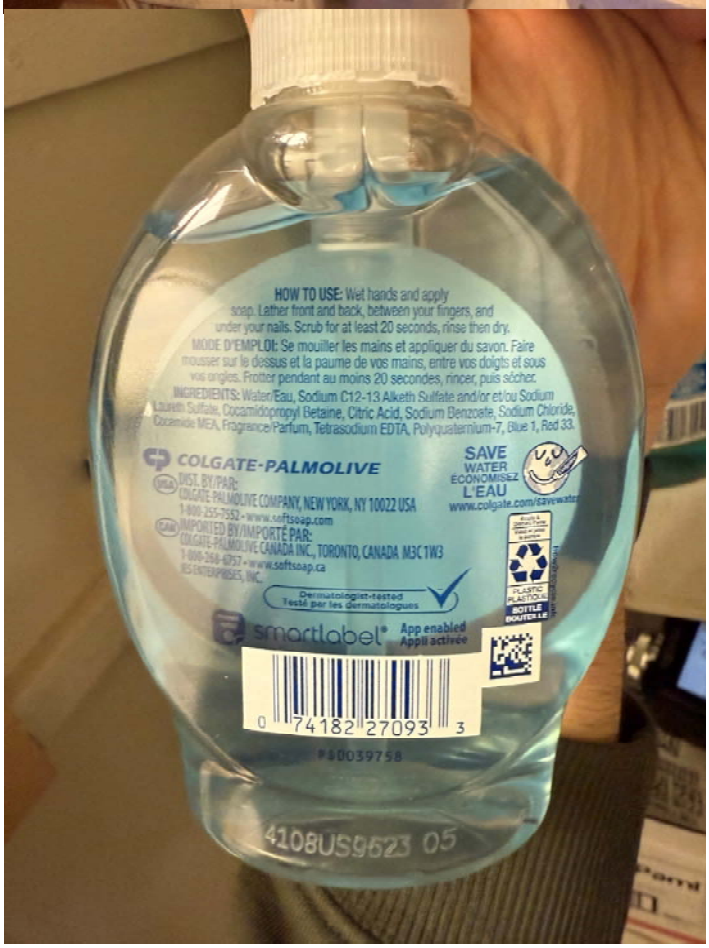




Former Fresh & Clean Laundry
22-26 Railroad Avenue
Glen Head, NY
NYSDEC Site No.130111

Chemical Inventory: 22-26 Railroad Ave (1st Floor Office)

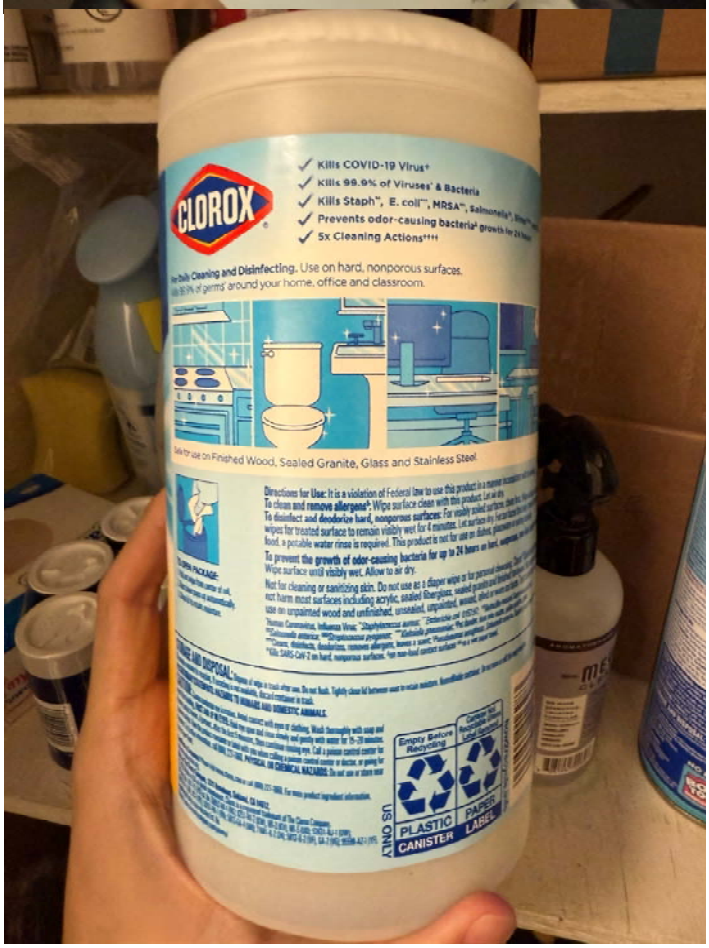




Former Fresh & Clean Laundry
22-26 Railroad Avenue
Glen Head, NY
NYSDEC Site No.130111

Chemical Inventory: 22-26 Railroad Ave (1st Floor Office)

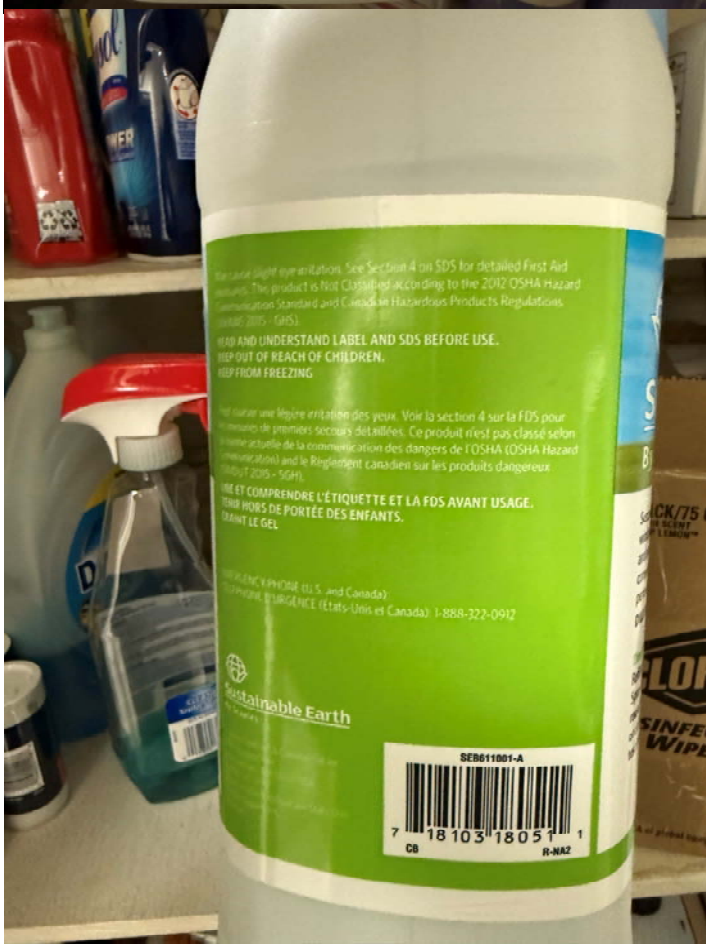




Former Fresh & Clean Laundry
22-26 Railroad Avenue
Glen Head, NY
NYSDEC Site No.130111

Chemical Inventory: 22-26 Railroad Ave (1st Floor Office)

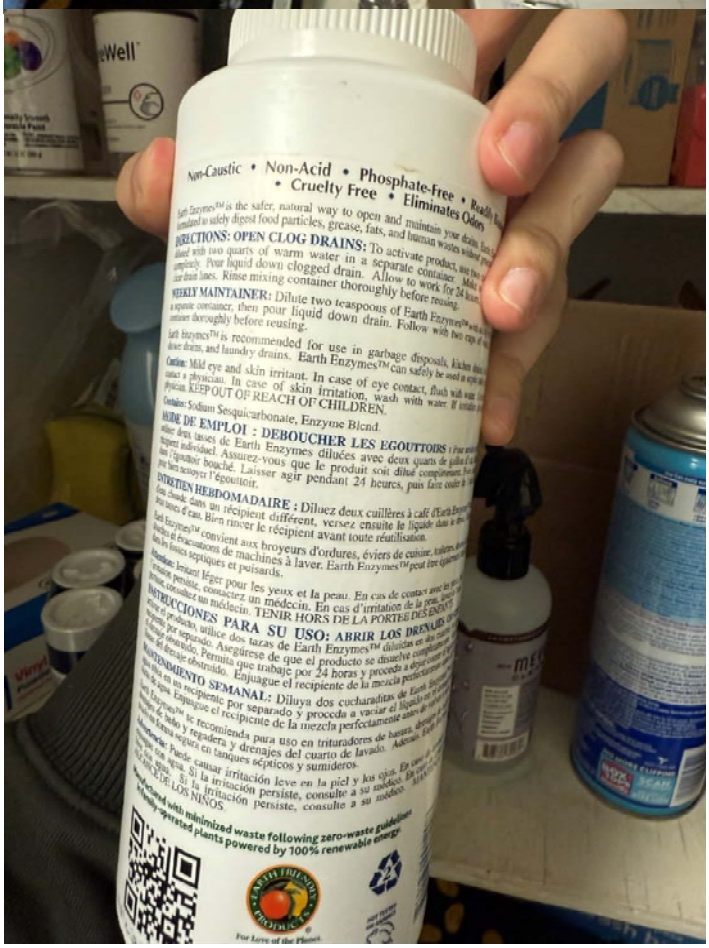




Former Fresh & Clean Laundry
22-26 Railroad Avenue
Glen Head, NY
NYSDEC Site No.130111

Chemical Inventory: 22-26 Railroad Ave (1st Floor Office)

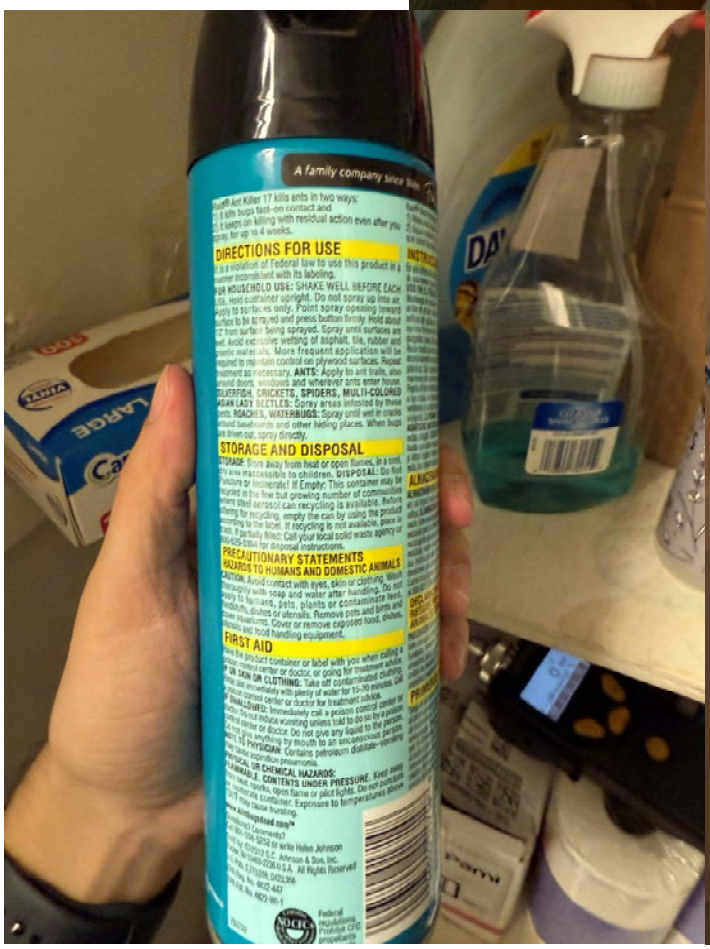


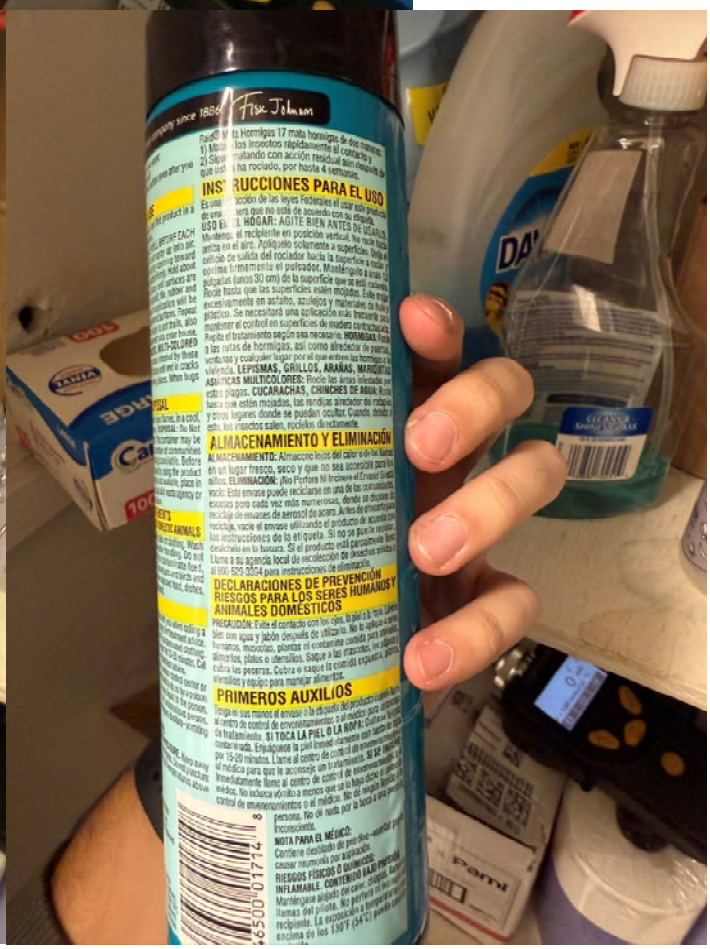


Former Fresh & Clean Laundry
22-26 Railroad Avenue
Glen Head, NY
NYSDEC Site No.130111

Chemical Inventory: 22-26 Railroad Ave (1st Floor Office)







APPENDIX D: LABORATORY REPORT



Pace Analytical Services

Laboratory Code: 11148

SDG Number: L2506387

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: FORMER FRESH AND CLEAN LAUNDRY
Project Number: CO 152705/S 130111

Lab Number: L2506387
Report Date: 02/20/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2506387-01	IA-1	AIR	22-26 RAILROAD AVE, GLEN HEAD, NASSAU	02/04/25 12:05	02/05/25
L2506387-02	IA-2	AIR	22-26 RAILROAD AVE, GLEN HEAD, NASSAU	02/04/25 12:15	02/05/25
L2506387-03	IA-3	AIR	22-26 RAILROAD AVE, GLEN HEAD, NASSAU	02/04/25 12:42	02/05/25
L2506387-04	IA-4	AIR	22-26 RAILROAD AVE, GLEN HEAD, NASSAU	02/04/25 12:40	02/05/25
L2506387-05	OA	AIR	22-26 RAILROAD AVE, GLEN HEAD, NASSAU	02/04/25 12:29	02/05/25
L2506387-06	IA-X	AIR	22-26 RAILROAD AVE, GLEN HEAD, NASSAU	02/04/25 00:00	02/05/25

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)

Volatile Organics in Air

Canisters were released from the laboratory on January 29, 2025. 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.

L2506387-01: 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.

L2506387-01D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2506387-06: 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.

L2506387-06D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

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

Authorized Signature: Christopher J Anderson Report Date: 02/20/25

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 : L2506387
Received : 05-FEB-2025
Reviewer : Christopher J Anderson

Account Name : NYDEC_Env. Assessment & Remediation
Project Number : CO 152705/S 130111
Project Name : FORMER FRESH AND CLEAN LAUNDRY

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

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

Condition Information

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

Volatile Organics/VPH

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

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Feb 20 2025, 07:14 pm

Login Number: L2506387

Account: NYDEC-EAR NYDEC_Env. Assessment & Remediation Project: CO 152705/S 130111

Received: 05FEB25 Due Date: 19FEB25

Sample #	Client ID	Mat	PR	Collected
L2506387-01	IA-1	10	S0	04FEB25 12:05
| ASP-B Package Due Date: 02/19/25				
ASP-B,CAN-RENT,CPI-INDEX,FLOW-RENT,NYDEC-TO15-SIM				
L2506387-02	IA-2	10	S0	04FEB25 12:15
| Package Due Date: 02/19/25				
CAN-RENT,FLOW-RENT,NYDEC-TO15-SIM				
L2506387-03	IA-3	10	S0	04FEB25 12:42
| Package Due Date: 02/19/25				
CAN-RENT,FLOW-RENT,NYDEC-TO15-SIM				
L2506387-04	IA-4	10	S0	04FEB25 12:40
| Package Due Date: 02/19/25				
CAN-RENT,FLOW-RENT,NYDEC-TO15-SIM				
L2506387-05	OA	10	S0	04FEB25 12:29
| Package Due Date: 02/19/25				
CAN-RENT,FLOW-RENT,NYDEC-TO15-SIM				
L2506387-06	IA-X	10	S0	04FEB25 00:00
| Package Due Date: 02/19/25				
CAN-RENT,FLOW-RENT,NYDEC-TO15-SIM				

Logged By: Christopher J Anderson

AIR ANALYSIS

PAGE 1 OF 1

ALPHA ANALYTICAL — CHAIN OF CUSTODY

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

Date Rec'd in Lab: 02/06/25

ALPHA Job #: L2506387

Client Information

Client: NYSDEC / EAR
Address: 225 Atlantic Ave
Patchogue, NY 11772
Phone: 631-447-6400
Fax:
Email: vicale@enviro-assmt.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Former Fresh + Clean Laundry
Project Location: Glen Head, NY
Project #: NYSDEC Site #130111
Project Manager: Trisha Vicale (EAR)
ALPHA Quote #:

Turn-Around Time

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

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☒ Additional Deliverables: See comments
Report to: (if different than Project Manager)
Jones, Vicale, Ham + Salvitti

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: Standard NYSDEC TAT, CAT B deliverables + EQuIS EDDs

Project-Specific Target Compound List: ☐

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH (Subject Non-petroleum VOCs ☐)	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
06387-01	IA-1	2/4/25	1230	1205	-29.97	-7.91	AA	SD	6L	2632	0433	X					
02	IA-2		1231	1215	-30.02	-12.96	AA	SD	6L	1574	02200	X					
03	IA-3		1253	1242	-30.35	-9.05	AA	SD	6L	2880	0728	X					
04	IA-4		1255	1240	-30.35	-13.30	AA	SD	6L	4859	01375	X					
05	OA		1240	1229	-30.35	-2.23	AA	SD	6L	3916	01383	X					
06	IA-X		—	—	-30.29	-3.15	AA	SD	6L	2646	0543	X					

*SAMPLE MATRIX CODES

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

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
	2/4/25 1530		
	2-5-25/2:31		2/5/25 14:30
FEDEX	01:20	FEDEX	2.5.25 21:02
	2.5.25		2/6/25 0120

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

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

02/06/25 06:20

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
L2506387-01	IA-1	0433	Flow 5	01/29/25	504797		-	-	-	Pass	3.0	3.2	6
L2506387-01	IA-1	2632	6.0L Can	01/29/25	504797	L2504347-09	Pass	-29.4	-7.5	-	-	-	-
L2506387-02	IA-2	02200	Flow 5	01/29/25	504797		-	-	-	Pass	3.0	3.1	3
L2506387-02	IA-2	1574	6.0L Can	01/29/25	504797	L2504347-09	Pass	-29.4	-12.5	-	-	-	-
L2506387-03	IA-3	01728	Flow 5	01/29/25	504797		-	-	-	Pass	3.0	3.3	10
L2506387-03	IA-3	2880	6.0L Can	01/29/25	504797	L2504347-09	Pass	-29.4	-9.0	-	-	-	-
L2506387-04	IA-4	01375	Flow 5	01/29/25	504797		-	-	-	Pass	3.0	3.3	10
L2506387-04	IA-4	4859	6.0L Can	01/29/25	504797	L2504347-09	Pass	-29.4	-13.0	-	-	-	-
L2506387-05	OA	01383	Flow 5	01/29/25	504797		-	-	-	Pass	3.0	3.1	3
L2506387-05	OA	3916	6.0L Can	01/29/25	504797	L2504347-09	Pass	-29.4	-1.0	-	-	-	-
L2506387-06	IA-X	0843	Flow 5	01/29/25	504797		-	-	-	Pass	3.0	4.2	33
L2506387-06	IA-X	2646	6.0L Can	01/29/25	504797	L2503943-05	Pass	-29.4	-2.6	-	-	-	-

Air Canister Certification Results

Lab ID: L2503943-05
Client ID: CAN 1664 SHELF 40
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/23/25 22:33
Analyst: JFI

Date Collected: 01/23/25 16:00
Date Received: 01/23/25
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: L2503943-05
Client ID: CAN 1664 SHELF 40
Sample Location:

Date Collected: 01/23/25 16:00
Date Received: 01/23/25
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: L2503943-05
Client ID: CAN 1664 SHELF 40
Sample Location:

Date Collected: 01/23/25 16:00
Date Received: 01/23/25
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air								
Bromodichloromethane	ND	0.200	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: L2503943-05
Client ID: CAN 1664 SHELF 40
Sample Location:

Date Collected: 01/23/25 16:00
Date Received: 01/23/25
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air								
Isopropylbenzene	ND	0.200	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: L2503943-05
Client ID: CAN 1664 SHELF 40
Sample Location:

Date Collected: 01/23/25 16:00
Date Received: 01/23/25
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	103		60-140
Bromochloromethane	105		60-140
chlorobenzene-d5	99		60-140

Air Canister Certification Results

Lab ID: L2503943-05
Client ID: CAN 1664 SHELF 40
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/23/25 22:33
Analyst: JFI

Date Collected: 01/23/25 16:00
Date Received: 01/23/25
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: L2503943-05
Client ID: CAN 1664 SHELF 40
Sample Location:

Date Collected: 01/23/25 16:00
Date Received: 01/23/25
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM								
Bromodichloromethane	ND	0.020	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: L2503943-05
Client ID: CAN 1664 SHELF 40
Sample Location:

Date Collected: 01/23/25 16:00
Date Received: 01/23/25
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**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	112		60-140
bromochloromethane	112		60-140
chlorobenzene-d5	103		60-140

Air Canister Certification Results

Lab ID: L2504347-09
Client ID: CAN 1672 SHELF 81
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/26/25 23:17
Analyst: KJD

Date Collected: 01/25/25 12:00
Date Received: 01/25/25
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air								
Chlorodifluoromethane	ND	0.200	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: L2504347-09
Client ID: CAN 1672 SHELF 81
Sample Location:

Date Collected: 01/25/25 12:00
Date Received: 01/25/25
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**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: L2504347-09 Date Collected: 01/25/25 12:00
Client ID: CAN 1672 SHELF 81 Date Received: 01/25/25
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: L2504347-09
Client ID: CAN 1672 SHELF 81
Sample Location:

Date Collected: 01/25/25 12:00
Date Received: 01/25/25
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air								
Isopropylbenzene	ND	0.200	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: L2504347-09 Date Collected: 01/25/25 12:00
Client ID: CAN 1672 SHELF 81 Date Received: 01/25/25
Sample Location: Field Prep: Not Specified

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	97		60-140

Air Canister Certification Results

Lab ID: L2504347-09
Client ID: CAN 1672 SHELF 81
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/26/25 23:17
Analyst: KJD

Date Collected: 01/25/25 12:00
Date Received: 01/25/25
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: L2504347-09 Date Collected: 01/25/25 12:00
Client ID: CAN 1672 SHELF 81 Date Received: 01/25/25
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: L2504347-09 Date Collected: 01/25/25 12:00
Client ID: CAN 1672 SHELF 81 Date Received: 01/25/25
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	95		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	97		60-140

Organics

GC/MS VOA
Air Analysis
Selective Ion Monitoring

Volatiles QC Summary

Lab Duplicate Sample Summary
Form 3
Air Volatiles

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111
Client Sample ID	: IA-3	Matrix (Level)	: AIR (LOW)
Lab Sample ID	: L2506387-03	Analysis Date	: 02/20/25 00:58
Lab File ID	: R229331_EV2	DUP File ID	: r229332_Ev2
Dup Sample ID	: WG2032006-5	DUP Analysis Date	: 02/20/25 01:33

Parameter	Sample Concentration (ppbV)	Duplicate Concentration (ppbV)	RPD	RPD Limit
Dichlorodifluoromethane	0.633	0.640	1	25
Chloromethane	0.556	0.554	0	25
Freon-114	ND	ND	NC	25
Vinyl chloride	0.035	0.031	12	25
Bromomethane	0.023	0.021	9	25
Chloroethane	ND	ND	NC	25
Ethanol	44.9	43.8	2	25
Trichlorofluoromethane	0.314	0.310	1	25
1,1-Dichloroethene	ND	ND	NC	25
Tert-Butyl Alcohol	ND	ND	NC	25
Methylene chloride	ND	ND	NC	25
Freon-113	0.069	0.070	1	25
trans-1,2-Dichloroethene	0.268	0.266	1	25
1,1-Dichloroethane	ND	ND	NC	25
Methyl tert butyl ether	ND	ND	NC	25
2-Butanone	0.604	0.595	2	25
cis-1,2-Dichloroethene	1.17	1.17	0	25
Chloroform	0.035	0.033	6	25
1,2-Dichloroethane	0.106	0.109	3	25
n-Hexane	0.453	0.452	0	25
1,1,1-Trichloroethane	0.059	0.069	16	25
Benzene	0.278	0.276	1	25
Carbon tetrachloride	0.105	0.103	2	25
Cyclohexane	ND	ND	NC	25
1,2-Dichloropropane	ND	ND	NC	25

Lab Duplicate Sample Summary
Form 3
Air Volatiles

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111
Client Sample ID	: IA-3	Matrix (Level)	: AIR (LOW)
Lab Sample ID	: L2506387-03	Analysis Date	: 02/20/25 00:58
Lab File ID	: R229331_EV2	DUP File ID	: r229332_Ev2
Dup Sample ID	: WG2032006-5	DUP Analysis Date	: 02/20/25 01:33

Parameter	Sample Concentration (ppbV)	Duplicate Concentration (ppbV)	RPD	RPD Limit
Bromodichloromethane	ND	ND	NC	25
1,4-Dioxane	ND	ND	NC	25
Trichloroethene	2.35	2.34	0	25
2,2,4-Trimethylpentane	0.238	0.237	0	25
Heptane	0.501	0.497	1	25
cis-1,3-Dichloropropene	ND	ND	NC	25
4-Methyl-2-pentanone	ND	ND	NC	25
trans-1,3-Dichloropropene	ND	ND	NC	25
1,1,2-Trichloroethane	ND	ND	NC	25
Toluene	0.715	0.715	0	25
Dibromochloromethane	ND	ND	NC	25
1,2-Dibromoethane	ND	ND	NC	25
Tetrachloroethene	25.5	25.5	0	25
Chlorobenzene	ND	ND	NC	25
Ethylbenzene	0.171	0.170	1	25
p/m-Xylene	0.552	0.553	0	25
Bromoform	ND	ND	NC	25
Styrene	0.041	0.041	0	25
1,1,2,2-Tetrachloroethane	ND	ND	NC	25
o-Xylene	0.170	0.171	1	25
1,3,5-Trimethylbenzene	0.034	0.035	3	25
1,2,4-Trimethylbenzene	0.121	0.121	0	25
Benzyl chloride	ND	ND	NC	25
1,3-Dichlorobenzene	ND	ND	NC	25
1,4-Dichlorobenzene	ND	ND	NC	25

Lab Duplicate Sample Summary
Form 3
Air Volatiles

Client	: NYDEC_Env. Assessment & Remediation		Lab Number	:	L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY		Project Number	:	CO 152705/S 130111
Client Sample ID	: IA-3		Matrix (Level)	:	AIR (LOW)
Lab Sample ID	: L2506387-03		Analysis Date	:	02/20/25 00:58
Lab File ID	: R229331_EV2		DUP File ID	:	r229332_Ev2
Dup Sample ID	: WG2032006-5		DUP Analysis Date	:	02/20/25 01:33

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

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: NYDEC_Env. Assessment & Remediation	**Lab Number**	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	**Project Number**	: CO 152705/S 130111
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG2032006-3 **Analysis Date** : 02/19/25 17:02	**File ID**	: r229324_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	5.47	109				-	70-130	25
Chloromethane	5	4.25	85				-	70-130	25
Freon-114	5	6.02	120				-	70-130	25
Vinyl chloride	5	5.52	110				-	70-130	25
Bromomethane	5	5.66	113				-	70-130	25
Chloroethane	5	5.60	112				-	70-130	25
Ethanol	25	24.2	97				-	40-160	25
Trichlorofluoromethane	5	6.19	124				-	70-130	25
1,1-Dichloroethene	5	5.60	112				-	70-130	25
Tert-Butyl Alcohol	5	5.99	120				-	70-130	25
Methylene chloride	5	4.50	90				-	70-130	25
Freon-113	5	4.46	89				-	70-130	25
trans-1,2-Dichloroethene	5	5.72	114				-	70-130	25
1,1-Dichloroethane	5	4.95	99				-	70-130	25
Methyl tert butyl ether	5	5.13	103				-	70-130	25
2-Butanone	5	5.27	105				-	70-130	25
cis-1,2-Dichloroethene	5	5.24	105				-	70-130	25
Chloroform	5	5.46	109				-	70-130	25
1,2-Dichloroethane	5	5.82	116				-	70-130	25
n-Hexane	5	6.02	120				-	70-130	25
1,1,1-Trichloroethane	5	5.79	116				-	70-130	25
Benzene	5	4.49	90				-	70-130	25
Carbon tetrachloride	5	6.17	123				-	70-130	25
Cyclohexane	5	5.43	109				-	70-130	25
1,2-Dichloropropane	5	4.66	93				-	70-130	25
Bromodichloromethane	5	6.31	126				-	70-130	25

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: NYDEC_Env. Assessment & Remediation	**Lab Number**	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	**Project Number**	: CO 152705/S 130111
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG2032006-3 **Analysis Date** : 02/19/25 17:02	**File ID**	: r229324_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	5.12	102				-	70-130	25
Trichloroethene	5	4.52	90				-	70-130	25
2,2,4-Trimethylpentane	5	6.05	121				-	70-130	25
Heptane	5	5.14	103				-	70-130	25
cis-1,3-Dichloropropene	5	5.12	102				-	70-130	25
4-Methyl-2-pentanone	5	5.35	107				-	70-130	25
trans-1,3-Dichloropropene	5	5.61	112				-	70-130	25
1,1,2-Trichloroethane	5	4.51	90				-	70-130	25
Toluene	5	3.97	79				-	70-130	25
Dibromochloromethane	5	4.61	92				-	70-130	25
1,2-Dibromoethane	5	4.10	82				-	70-130	25
Tetrachloroethene	5	3.51	70				-	70-130	25
Chlorobenzene	5	3.71	74				-	70-130	25
Ethylbenzene	5	4.00	80				-	70-130	25
p/m-Xylene	10	8.29	83				-	70-130	25
Bromoform	5	4.64	93				-	70-130	25
Styrene	5	3.67	73				-	70-130	25
1,1,2,2-Tetrachloroethane	5	4.20	84				-	70-130	25
o-Xylene	5	4.18	84				-	70-130	25
1,3,5-Trimethylbenzene	5	4.00	80				-	70-130	25
1,2,4-Trimethylbenzene	5	4.01	80				-	70-130	25
Benzyl chloride	5	4.62	92				-	70-130	25
1,3-Dichlorobenzene	5	3.87	77				-	70-130	25
1,4-Dichlorobenzene	5	3.84	77				-	70-130	25
1,2-Dichlorobenzene	5	3.78	76				-	70-130	25
1,2,4-Trichlorobenzene	5	3.78	76				-	70-130	25

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: NYDEC_Env. Assessment & Remediation	**Lab Number**	: L2506387		
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	**Project Number**	: CO 152705/S 130111		
Matrix (Level)	: AIR (LOW)				
LCS Sample ID	: WG2032006-3	**Analysis Date**	: 02/19/25 17:02	**File ID**	: r229324_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	3.56	71				-	70-130	25
Hexachlorobutadiene	5	3.72	74				-	70-130	25

Method Blank Summary
Form 4
Air Volatiles

Client	: NYDEC_Env. Assessment & Remediation	**Lab Number**	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	**Project Number**	: CO 152705/S 130111
Lab Sample ID	: WG2032006-4	**Lab File ID**	: r229326_Ev2
Instrument ID	: AIRLAB22		
Matrix	: AIR	**Analysis Date**	: 02/19/25 22:07

Client Sample No.	Lab Sample ID	Analysis Date
WG2032006-3LCS	WG2032006-3	02/19/25 17:02
OA	L2506387-05	02/19/25 23:10
IA-1	L2506387-01	02/19/25 23:44
IA-2	L2506387-02	02/20/25 00:24
IA-3	L2506387-03	02/20/25 00:58
IA-3DUP	WG2032006-5	02/20/25 01:33
IA-4	L2506387-04	02/20/25 02:15
IA-X	L2506387-06	02/20/25 02:46
IA-1	L2506387-01D	02/20/25 08:23
IA-X	L2506387-06D	02/20/25 08:52

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

Client	: NYDEC_Env. Assessment & Remediation	**Lab Number**	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	**Project Number**	: CO 152705/S 130111
Instrument ID	: AIRLAB22	**Analysis Date**	: 02/06/25 19:02
Tune Standard	: WG2029249-1	**Tune File ID**	: r229106_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	10.4
75	30.0 - 66.0% of mass 95	30.6
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	0.3 (.4)1
174	50.0 - 120.0% of mass 95	73.2
175	4.0 - 9.0% of mass 174	5.2 (7.1)1
176	93.0 - 101% of mass 174	71.4 (97.5)1
177	5.0 - 9.0% of mass 176	4.8 (6.7)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.02	R1929998-1	R229107_EV2	02/06/25 19:30
STD0.05	R1929998-2	R229108_EV2	02/06/25 20:00
STD0.1	R1929998-3	R229109_EV2	02/06/25 20:30
STD0.2	R1929998-4	R229110_EV2	02/06/25 21:00
STD0.5	R1929998-5	R229111_EV2	02/07/25 12:17
STD1.0	R1929998-6	R229112_EV2	02/07/25 12:50
STD5.0	R1929998-7	R229113_EV2	02/07/25 13:21
STD010	R1929998-8	R229114_EV2	02/07/25 13:55
STD020	R1929998-9	R229115_EV2	02/07/25 14:26
STD050	R1929998-10	R229116_EV2	02/07/25 14:57

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

Client	: NYDEC_Env. Assessment & Remediation	**Lab Number**	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	**Project Number**	: CO 152705/S 130111
Instrument ID	: AIRLAB22	**Analysis Date**	: 02/07/25 18:03
Tune Standard	: WG2029249-2	**Tune File ID**	: r229119_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	10.5
75	30.0 - 66.0% of mass 95	30.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.3 (.4)1
174	50.0 - 120.0% of mass 95	70.5
175	4.0 - 9.0% of mass 174	4.9 (7)1
176	93.0 - 101% of mass 174	68.7 (97.5)1
177	5.0 - 9.0% of mass 176	4.4 (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
ICV Quant	R1929998-11	R229121_EV2	02/07/25 19:08

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

Client	: NYDEC_Env. Assessment & Remediation	**Lab Number**	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	**Project Number**	: CO 152705/S 130111
Instrument ID	: AIRLAB22	**Analysis Date**	: 02/19/25 15:57
Tune Standard	: WG2032006-1	**Tune File ID**	: r229322_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	10.9
75	30.0 - 66.0% of mass 95	32.8
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	0.3 (.4)1
174	50.0 - 120.0% of mass 95	67
175	4.0 - 9.0% of mass 174	4.7 (7)1
176	93.0 - 101% of mass 174	65 (96.9)1
177	5.0 - 9.0% of mass 176	4.3 (6.6)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2032006-2CCAL	WG2032006-2	R229324_EV2	02/19/25 17:02
WG2032006-3LCS	WG2032006-3	R229324_EV2	02/19/25 17:02
WG2032006-4BLANK	WG2032006-4	R229326_EV2	02/19/25 22:07
OA	L2506387-05	R229328_EV2	02/19/25 23:10
IA-1	L2506387-01	R229329_EV2	02/19/25 23:44
IA-2	L2506387-02	R229330_EV2	02/20/25 00:24
IA-3	L2506387-03	R229331_EV2	02/20/25 00:58
WG2032006-5DUP	WG2032006-5	R229332_EV2	02/20/25 01:33
IA-4	L2506387-04	R229333_EV2	02/20/25 02:15
IA-X	L2506387-06	R229334_EV2	02/20/25 02:46
IA-1	L2506387-01D	R229342_EV2	02/20/25 08:23
IA-X	L2506387-06D	R229343_EV2	02/20/25 08:52

Internal Standard Area and RT Summary
Form 8a
Air Volatiles

Client	: NYDEC_Env. Assessment & Remediation	**Lab Number**	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	**Project Number**	: CO 152705/S 130111
Instrument ID	: AIRLAB22	**Analysis Date**	: 02/19/25 17:02:00
Sample No	: WG2032006-2	**Lab File ID**	: R229324_EV2

	Bromochloromethane		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
WG2032006-2	316137	4.56	1013027	5.44	123842	7.35
Upper Limit	442592	4.89	1418238	5.77	173379	7.68
Lower Limit	189682	4.23	607816	5.11	74305	7.02
Sample ID						
WG2032006-3 LCS	316137	4.56	1013027	5.44	123842	7.35
WG2032006-4 BLANK	308732	4.56	982705	5.44	124177	7.36
OA	307196	4.56	977965	5.45	125052	7.36
IA-1	311684	4.56	986197	5.44	128702	7.36
IA-2	308358	4.56	976982	5.44	126910	7.36
IA-3	309834	4.56	974901	5.44	128317	7.35
IA-3 DUP	313340	4.56	990934	5.44	129337	7.35
IA-4	309271	4.56	986370	5.45	128625	7.36
IA-X	316180	4.57	1000030	5.45	131029	7.36
IA-1	315776	4.56	1012859	5.45	127089	7.36
IA-X	319069	4.57	1015602	5.45	128625	7.36

Area Upper Limit = +40% of internal standard area

Area Lower Limit = - 40% of internal standard area

RT Upper Limit = +0.33 minutes of internal standard RT

RT Lower Limit = -0.33 minutes of internal standard RT

* Values outside of QC limits

Date Created: 01/09/24
Created By: Jason Hebert
File: PM15856-1
Page: 1

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

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

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,1,1-Trichloroethane	71-55-6	0.02	0.0059	ppbV	70-130	25		25	25			
1,1,1,2-Tetrachloroethane	630-20-6	0.02	0.01	ppbV	70-130	25		25	25			
1,1,2,2-Tetrachloroethane	79-34-5	0.02	0.0067	ppbV	70-130	25		25	25			
1,1,2-Trichloroethane	79-00-5	0.02	0.0097	ppbV	70-130	25		25	25			
1,1-Dichloroethane	75-34-3	0.02	0.0086	ppbV	70-130	25		25	25			
1,1-Dichloroethene	75-35-4	0.02	0.0077	ppbV	70-130	25		25	25			
1,2,3-Trichloropropane	96-18-4	0.02	0.0073	ppbV	70-130	25		25	25			
1,2,4-Trimethylbenzene	95-63-6	0.02	0.0076	ppbV	70-130	25		25	25			
1,2-Dibromoethane	106-93-4	0.02	0.0091	ppbV	70-130	25		25	25			
1,2-Dibromo-3-chloropropane	96-12-8	0.02	0.0124	ppbV	70-130	25		25	25			
1,2-Dichlorobenzene	95-50-1	0.02	0.0062	ppbV	70-130	25		25	25			
1,2-Dichloroethane	107-06-2	0.02	0.0083	ppbV	70-130	25		25	25			
1,2-Dichloropropane	78-87-5	0.02	0.0083	ppbV	70-130	25		25	25			
1,3,5-Trimethylbenzene	108-67-8	0.02	0.0096	ppbV	70-130	25		25	25			
1,3-Butadiene	106-99-0	0.02	0.0106	ppbV	70-130	25		25	25			
1,3-Dichlorobenzene	541-73-1	0.02	0.0077	ppbV	70-130	25		25	25			
1,4-Dichlorobenzene	106-46-7	0.02	0.0075	ppbV	70-130	25		25	25			
1,4-Dioxane	123-91-1	0.1	0.0344	ppbV	70-130	25		25	25			
1-Bromo-2-Chloroethane	107-04-0	0.02	0.0102	ppbV	70-130	25		25	25			
1-Bromo-3-Fluorobenzene	1073-06-9	0.02	0.0065	ppbV	70-130	25		25	25			
1-Bromo-4-Ethylbenzene	1585-07-5	0.05	0.004	ppbV	70-130	25		25	25			
2,2,4-Trimethylpentane	540-84-1	0.2	0.037	ppbV	70-130	25		25	25			
2-Bromopyridine	109-04-6	0.5	0.0161	ppbV	30-150	25		25	25			
2-Hexanone	591-78-6	0.2	0.0354	ppbV	70-130	25		25	25			
3,4-Dichlorobenzotrifluoride	328-84-7	0.02	0.0024	ppbV	70-130	25		25	25			
3-Amino-4-Chlorobenzotrifluoride	121-50-6	1.25	0.0178	ppbV	30-150	25		25	25			
3-Chloropropene	107-05-1	0.2	0.0327	ppbV	70-130	25		25	25			
3-Nitro-4-Chlorobenzotrifluoride	121-17-5	2.5	0.129	ppbV	30-150	25		25	25			
4-Bromofluorobenzene	460-00-4	0.2	0.0094	ppbV	70-130	25		25	25			
4-Chlorobenzotrifluoride	98-56-6	0.02	0.006	ppbV	70-130	25		25	25			
4-Ethyltoluene	622-96-8	0.02	0.0099	ppbV	70-130	25		25	25			
Benzene	71-43-2	0.1	0.0298	ppbV	70-130	25		25	25			
Benzyl chloride	100-44-7	0.1	0.0332	ppbV	70-130	25		25	25			
Bromobenzene	108-86-1	0.2	0.0262	ppbV	70-130	25		25	25			
Bromodichloromethane	75-27-4	0.02	0.0074	ppbV	70-130	25		25	25			
Bromoform	75-25-2	0.02	0.0111	ppbV	70-130	25		25	25			
Bromomethane	74-83-9	0.02	0.0094	ppbV	70-130	25		25	25			
Carbon disulfide	75-15-0	0.2	0.0316	ppbV	70-130	25		25	25			
Carbon tetrachloride	56-23-5	0.02	0.011	ppbV	70-130	25		25	25			
Chlorobenzene	108-90-7	0.1	0.0258	ppbV	70-130	25		25	25			
Chloroethane	75-00-3	0.1	0.0395	ppbV	70-130	25		25	25			
Chloroform	67-66-3	0.02	0.0071	ppbV	70-130	25		25	25			

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

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

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

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Chloromethane	74-87-3	0.2	0.0756	ppbV	70-130	25		25	25			
cis-1,2-Dichloroethene	156-59-2	0.02	0.0102	ppbV	70-130	25		25	25			
trans-1,2-Dichloroethene	156-60-5	0.02	0.009	ppbV	70-130	25		25	25			
1,2-Dichloroethene (total)	540-59-0	0.02	0.009	ppbV				25	25			
cis-1,3-Dichloropropene	10061-01-5	0.02	0.0118	ppbV	70-130	25		25	25			
1,3-Dichloropropene, Total	542-75-6	0.02	0.0115	ppbV				25	25			
Cyclohexane	110-82-7	0.2	0.0313	ppbV	70-130	25		25	25			
Dibromochloromethane	124-48-1	0.02	0.008	ppbV	70-130	25		25	25			
Dibromomethane	74-95-3	0.2	0.0251	ppbV	70-130	25		25	25			
Dichlorodifluoromethane	75-71-8	0.2	0.0499	ppbV	70-130	25		25	25			
Ethyl Alcohol	GCDAI06	5	1.35	ppbV	40-160	25		25	25			
Ethyl Acetate	141-78-6	0.5	0.323	ppbV	70-130	25		25	25			
Ethylbenzene	100-41-4	0.02	0.0085	ppbV	70-130	25		25	25			
Fluorobenzene	462-06-6	0.05	0.009	ppbV	70-130	25		25	25			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	0.05	0.0083	ppbV	70-130	25		25	25			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	76-14-2	0.05	0.0064	ppbV	70-130	25		25	25			
Methylcyclohexane	108-87-2	0.02	0.0051	ppbV	70-130	25		25	25			
Methylene chloride	75-09-2	0.5	0.11	ppbV	70-130	25		25	25			
Methyl tert butyl ether	1634-04-4	0.2	0.0261	ppbV	70-130	25		25	25			
m/p-Dibromobenzene	108-36-1/106-37-6	0.5	0.0137	ppbV	70-130	25		25	25			
Naphthalene	91-20-3	0.05	0.021	ppbV	70-130	25		25	25			
p/m-Xylene	179601-23-1	0.04	0.018	ppbV	70-130	25		25	25			
o-Xylene	95-47-6	0.02	0.0087	ppbV	70-130	25		25	25			
Heptane	142-82-5	0.2	0.0313	ppbV	70-130	25		25	25			
n-Hexane	110-54-3	0.2	0.0471	ppbV	70-130	25		25	25			
Propylene	115-07-1	0.5	0.167	ppbV	70-130	25		25	25			
Styrene	100-42-5	0.02	0.0079	ppbV	70-130	25		25	25			
tert-Butyl Alcohol	75-65-0	0.5	0.134	ppbV	70-130	25		25	25			
Tetrachloroethene	127-18-4	0.02	0.0074	ppbV	70-130	25		25	25			
Tetrahydrofuran	109-99-9	0.5	0.142	ppbV	70-130	25		25	25			
Toluene	108-88-3	0.1	0.0166	ppbV	70-130	25		25	25			
trans-1,3-Dichloropropene	10061-02-6	0.02	0.0115	ppbV	70-130	25		25	25			
Trichloroethene	79-01-6	0.02	0.006	ppbV	70-130	25		25	25			
1,2,4-Trichlorobenzene	120-82-1	0.05	0.0146	ppbV	70-130	25		25	25			
Trichlorofluoromethane	75-69-4	0.05	0.0092	ppbV	70-130	25		25	25			
Vinyl acetate	108-05-4	1	0.286	ppbV	70-130	25		25	25			
Vinyl bromide	593-60-2	0.2	0.0431	ppbV	70-130	25		25	25			
Hexachlorobutadiene	87-68-3	0.05	0.011	ppbV	70-130	25		25	25			
iso-Propyl Alcohol	67-63-0	0.5	0.249	ppbV	40-160	25		25	25			
Vinyl chloride	75-01-4	0.02	0.0088	ppbV	70-130	25		25	25			
Acrylonitrile	107-13-1	0.5	0.162	ppbV	70-130	25		25	25			
n-Butylbenzene	104-51-8	0.2	0.0319	ppbV	70-130	25		25	25			

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

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

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

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
sec-Butylbenzene	135-98-8	0.2	0.0266	ppbV	70-130	25		25	25			
Isopropylbenzene	98-82-8	0.2	0.0299	ppbV	70-130	25		25	25			
Xylene (Total)	1330-20-7	0.02	0.0087	ppbV				25	25			
p-Isopropyltoluene	99-87-6	0.2	0.0366	ppbV	70-130	25		25	25			
Acetone	67-64-1	1	0.539	ppbV	40-160	25		25	25			
2-Butanone	78-93-3	0.5	0.132	ppbV	70-130	25		25	25			
4-Methyl-2-pentanone	108-10-1	0.5	0.191	ppbV	70-130	25		25	25			
1,2,3-Trichlorobenzene	87-61-6	0.05	0.0223	ppbV	70-130	25		25	25			
Acrolein	107-02-8	0.05	0.0387	ppbV	60-113	25		25	25			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
Bromofluorobenzene	*460-00-4*									*70-130*		

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

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111
Lab ID	: L2506387-01	Date Collected	: 02/04/25 12:05
Client ID	: IA-1	Date Received	: 02/05/25
Sample Location	: 22-26 RAILROAD AVE, GLEN HEAD, NASSAU	Date Analyzed	: 02/19/25 23:44
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R229329_EV2	Instrument ID	: AIRLAB22
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	0.667	0.200	--	3.30	0.989	--	
74-87-3	Chloromethane	0.518	0.200	--	1.07	0.413	--	
76-14-2	Freon-114	ND	0.050	--	ND	0.349	--	U
75-01-4	Vinyl chloride	0.090	0.020	--	0.230	0.051	--	
74-83-9	Bromomethane	0.023	0.020	--	0.089	0.078	--	
75-00-3	Chloroethane	ND	0.100	--	ND	0.264	--	U
64-17-5	Ethanol	35.0	5.00	--	65.9	9.42	--	
75-69-4	Trichlorofluoromethane	0.344	0.050	--	1.93	0.281	--	
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
75-65-0	Tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
76-13-1	Freon-113	0.067	0.050	--	0.514	0.383	--	
156-60-5	trans-1,2-Dichloroethene	0.834	0.020	--	3.31	0.079	--	
75-34-3	1,1-Dichloroethane	ND	0.020	--	ND	0.081	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.41	0.500	--	4.16	1.47	--	
156-59-2	cis-1,2-Dichloroethene	3.67	0.020	--	14.6	0.079	--	
67-66-3	Chloroform	0.038	0.020	--	0.186	0.098	--	
107-06-2	1,2-Dichloroethane	0.213	0.020	--	0.862	0.081	--	
110-54-3	n-Hexane	0.512	0.200	--	1.80	0.705	--	
71-55-6	1,1,1-Trichloroethane	0.150	0.020	--	0.818	0.109	--	
71-43-2	Benzene	0.292	0.100	--	0.933	0.319	--	
56-23-5	Carbon tetrachloride	0.105	0.020	--	0.660	0.126	--	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111
Lab ID	: L2506387-01	Date Collected	: 02/04/25 12:05
Client ID	: IA-1	Date Received	: 02/05/25
Sample Location	: 22-26 RAILROAD AVE, GLEN HEAD, NASSAU	Date Analyzed	: 02/19/25 23:44
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R229329_EV2	Instrument ID	: AIRLAB22
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	--	ND	0.092	--	U
75-27-4	Bromodichloromethane	ND	0.020	--	ND	0.134	--	U
123-91-1	1,4-Dioxane	ND	0.100	--	ND	0.360	--	U
79-01-6	Trichloroethene	7.52	0.020	--	40.4	0.107	--	
540-84-1	2,2,4-Trimethylpentane	0.349	0.200	--	1.63	0.934	--	
142-82-5	Heptane	0.864	0.200	--	3.54	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--	U
108-88-3	Toluene	1.11	0.100	--	4.18	0.377	--	
124-48-1	Dibromochloromethane	ND	0.020	--	ND	0.170	--	U
106-93-4	1,2-Dibromoethane	ND	0.020	--	ND	0.154	--	U
127-18-4	Tetrachloroethene	57.8	0.020	--	392	0.136	--	E
108-90-7	Chlorobenzene	ND	0.100	--	ND	0.461	--	U
100-41-4	Ethylbenzene	0.301	0.020	--	1.31	0.087	--	
179601-23-1	p/m-Xylene	0.967	0.040	--	4.20	0.174	--	
75-25-2	Bromoform	ND	0.020	--	ND	0.207	--	U
100-42-5	Styrene	0.033	0.020	--	0.141	0.085	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--	U
95-47-6	o-Xylene	0.269	0.020	--	1.17	0.087	--	
108-67-8	1,3,5-Trimethylbenzene	0.043	0.020	--	0.211	0.098	--	
95-63-6	1,2,4-Trimethylbenzene	0.151	0.020	--	0.742	0.098	--	
100-44-7	Benzyl chloride	ND	0.100	--	ND	0.518	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111
Lab ID	: L2506387-01	Date Collected	: 02/04/25 12:05
Client ID	: IA-1	Date Received	: 02/05/25
Sample Location	: 22-26 RAILROAD AVE, GLEN HEAD, NASSAU	Date Analyzed	: 02/19/25 23:44
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R229329_EV2	Instrument ID	: AIRLAB22
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	--	ND	0.120	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--	U
91-20-3	Naphthalene	ND	0.050	--	ND	0.262	--	U
87-68-3	Hexachlorobutadiene	ND	0.050	--	ND	0.533	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111
Lab ID	: L2506387-01D	Date Collected	: 02/04/25 12:05
Client ID	: IA-1	Date Received	: 02/05/25
Sample Location	: 22-26 RAILROAD AVE, GLEN HEAD, NASSAU	Date Analyzed	: 02/20/25 08:23
Sample Matrix	: AIR	Dilution Factor	: 2.5
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R229342_EV2	Instrument ID	: AIRLAB22
Sample Amount	: 100 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
127-18-4	Tetrachloroethene	80.4	0.050	--	545	0.339	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111
Lab ID	: L2506387-02	Date Collected	: 02/04/25 12:15
Client ID	: IA-2	Date Received	: 02/05/25
Sample Location	: 22-26 RAILROAD AVE, GLEN HEAD, NASSAU	Date Analyzed	: 02/20/25 00:24
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R229330_EV2	Instrument ID	: AIRLAB22
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	0.691	0.200	--	3.42	0.989	--	
74-87-3	Chloromethane	0.558	0.200	--	1.15	0.413	--	
76-14-2	Freon-114	ND	0.050	--	ND	0.349	--	U
75-01-4	Vinyl chloride	0.067	0.020	--	0.171	0.051	--	
74-83-9	Bromomethane	ND	0.020	--	ND	0.078	--	U
75-00-3	Chloroethane	ND	0.100	--	ND	0.264	--	U
64-17-5	Ethanol	42.2	5.00	--	79.5	9.42	--	
75-69-4	Trichlorofluoromethane	0.374	0.050	--	2.10	0.281	--	
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
75-65-0	Tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
76-13-1	Freon-113	0.096	0.050	--	0.736	0.383	--	
156-60-5	trans-1,2-Dichloroethene	0.593	0.020	--	2.35	0.079	--	
75-34-3	1,1-Dichloroethane	ND	0.020	--	ND	0.081	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	0.825	0.500	--	2.43	1.47	--	
156-59-2	cis-1,2-Dichloroethene	2.75	0.020	--	10.9	0.079	--	
67-66-3	Chloroform	0.037	0.020	--	0.181	0.098	--	
107-06-2	1,2-Dichloroethane	0.238	0.020	--	0.963	0.081	--	
110-54-3	n-Hexane	0.517	0.200	--	1.82	0.705	--	
71-55-6	1,1,1-Trichloroethane	0.116	0.020	--	0.633	0.109	--	
71-43-2	Benzene	0.311	0.100	--	0.994	0.319	--	
56-23-5	Carbon tetrachloride	0.106	0.020	--	0.667	0.126	--	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111
Lab ID	: L2506387-02	Date Collected	: 02/04/25 12:15
Client ID	: IA-2	Date Received	: 02/05/25
Sample Location	: 22-26 RAILROAD AVE, GLEN HEAD, NASSAU	Date Analyzed	: 02/20/25 00:24
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R229330_EV2	Instrument ID	: AIRLAB22
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	--	ND	0.092	--	U
75-27-4	Bromodichloromethane	ND	0.020	--	ND	0.134	--	U
123-91-1	1,4-Dioxane	0.110	0.100	--	0.396	0.360	--	
79-01-6	Trichloroethene	5.38	0.020	--	28.9	0.107	--	
540-84-1	2,2,4-Trimethylpentane	0.440	0.200	--	2.06	0.934	--	
142-82-5	Heptane	0.768	0.200	--	3.15	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--	U
108-88-3	Toluene	1.05	0.100	--	3.96	0.377	--	
124-48-1	Dibromochloromethane	ND	0.020	--	ND	0.170	--	U
106-93-4	1,2-Dibromoethane	ND	0.020	--	ND	0.154	--	U
127-18-4	Tetrachloroethene	47.5	0.020	--	322	0.136	--	
108-90-7	Chlorobenzene	ND	0.100	--	ND	0.461	--	U
100-41-4	Ethylbenzene	0.310	0.020	--	1.35	0.087	--	
179601-23-1	p/m-Xylene	1.02	0.040	--	4.43	0.174	--	
75-25-2	Bromoform	ND	0.020	--	ND	0.207	--	U
100-42-5	Styrene	0.040	0.020	--	0.170	0.085	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--	U
95-47-6	o-Xylene	0.281	0.020	--	1.22	0.087	--	
108-67-8	1,3,5-Trimethylbenzene	0.052	0.020	--	0.256	0.098	--	
95-63-6	1,2,4-Trimethylbenzene	0.172	0.020	--	0.846	0.098	--	
100-44-7	Benzyl chloride	ND	0.100	--	ND	0.518	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111
Lab ID	: L2506387-02	Date Collected	: 02/04/25 12:15
Client ID	: IA-2	Date Received	: 02/05/25
Sample Location	: 22-26 RAILROAD AVE, GLEN HEAD, NASSAU	Date Analyzed	: 02/20/25 00:24
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R229330_EV2	Instrument ID	: AIRLAB22
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	--	ND	0.120	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--	U
91-20-3	Naphthalene	ND	0.050	--	ND	0.262	--	U
87-68-3	Hexachlorobutadiene	ND	0.050	--	ND	0.533	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111
Lab ID	: L2506387-03	Date Collected	: 02/04/25 12:42
Client ID	: IA-3	Date Received	: 02/05/25
Sample Location	: 22-26 RAILROAD AVE, GLEN HEAD, NASSAU	Date Analyzed	: 02/20/25 00:58
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R229331_EV2	Instrument ID	: AIRLAB22
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	0.633	0.200	--	3.13	0.989	--	
74-87-3	Chloromethane	0.556	0.200	--	1.15	0.413	--	
76-14-2	Freon-114	ND	0.050	--	ND	0.349	--	U
75-01-4	Vinyl chloride	0.035	0.020	--	0.090	0.051	--	
74-83-9	Bromomethane	0.023	0.020	--	0.089	0.078	--	
75-00-3	Chloroethane	ND	0.100	--	ND	0.264	--	U
64-17-5	Ethanol	44.9	5.00	--	84.6	9.42	--	
75-69-4	Trichlorofluoromethane	0.314	0.050	--	1.76	0.281	--	
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
75-65-0	Tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
76-13-1	Freon-113	0.069	0.050	--	0.529	0.383	--	
156-60-5	trans-1,2-Dichloroethene	0.268	0.020	--	1.06	0.079	--	
75-34-3	1,1-Dichloroethane	ND	0.020	--	ND	0.081	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	0.604	0.500	--	1.78	1.47	--	
156-59-2	cis-1,2-Dichloroethene	1.17	0.020	--	4.64	0.079	--	
67-66-3	Chloroform	0.035	0.020	--	0.171	0.098	--	
107-06-2	1,2-Dichloroethane	0.106	0.020	--	0.429	0.081	--	
110-54-3	n-Hexane	0.453	0.200	--	1.60	0.705	--	
71-55-6	1,1,1-Trichloroethane	0.059	0.020	--	0.322	0.109	--	
71-43-2	Benzene	0.278	0.100	--	0.888	0.319	--	
56-23-5	Carbon tetrachloride	0.105	0.020	--	0.660	0.126	--	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111
Lab ID	: L2506387-03	Date Collected	: 02/04/25 12:42
Client ID	: IA-3	Date Received	: 02/05/25
Sample Location	: 22-26 RAILROAD AVE, GLEN HEAD, NASSAU	Date Analyzed	: 02/20/25 00:58
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R229331_EV2	Instrument ID	: AIRLAB22
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	--	ND	0.092	--	U
75-27-4	Bromodichloromethane	ND	0.020	--	ND	0.134	--	U
123-91-1	1,4-Dioxane	ND	0.100	--	ND	0.360	--	U
79-01-6	Trichloroethene	2.35	0.020	--	12.6	0.107	--	
540-84-1	2,2,4-Trimethylpentane	0.238	0.200	--	1.11	0.934	--	
142-82-5	Heptane	0.501	0.200	--	2.05	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--	U
108-88-3	Toluene	0.715	0.100	--	2.69	0.377	--	
124-48-1	Dibromochloromethane	ND	0.020	--	ND	0.170	--	U
106-93-4	1,2-Dibromoethane	ND	0.020	--	ND	0.154	--	U
127-18-4	Tetrachloroethene	25.5	0.020	--	173	0.136	--	
108-90-7	Chlorobenzene	ND	0.100	--	ND	0.461	--	U
100-41-4	Ethylbenzene	0.171	0.020	--	0.743	0.087	--	
179601-23-1	p/m-Xylene	0.552	0.040	--	2.40	0.174	--	
75-25-2	Bromoform	ND	0.020	--	ND	0.207	--	U
100-42-5	Styrene	0.041	0.020	--	0.175	0.085	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--	U
95-47-6	o-Xylene	0.170	0.020	--	0.738	0.087	--	
108-67-8	1,3,5-Trimethylbenzene	0.034	0.020	--	0.167	0.098	--	
95-63-6	1,2,4-Trimethylbenzene	0.121	0.020	--	0.595	0.098	--	
100-44-7	Benzyl chloride	ND	0.100	--	ND	0.518	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111
Lab ID	: L2506387-03	Date Collected	: 02/04/25 12:42
Client ID	: IA-3	Date Received	: 02/05/25
Sample Location	: 22-26 RAILROAD AVE, GLEN HEAD, NASSAU	Date Analyzed	: 02/20/25 00:58
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R229331_EV2	Instrument ID	: AIRLAB22
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	--	ND	0.120	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--	U
91-20-3	Naphthalene	ND	0.050	--	ND	0.262	--	U
87-68-3	Hexachlorobutadiene	ND	0.050	--	ND	0.533	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111
Lab ID	: L2506387-04	Date Collected	: 02/04/25 12:40
Client ID	: IA-4	Date Received	: 02/05/25
Sample Location	: 22-26 RAILROAD AVE, GLEN HEAD, NASSAU	Date Analyzed	: 02/20/25 02:15
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R229333_EV2	Instrument ID	: AIRLAB22
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	0.645	0.200	--	3.19	0.989	--	
74-87-3	Chloromethane	0.548	0.200	--	1.13	0.413	--	
76-14-2	Freon-114	ND	0.050	--	ND	0.349	--	U
75-01-4	Vinyl chloride	0.037	0.020	--	0.095	0.051	--	
74-83-9	Bromomethane	ND	0.020	--	ND	0.078	--	U
75-00-3	Chloroethane	ND	0.100	--	ND	0.264	--	U
64-17-5	Ethanol	44.8	5.00	--	84.4	9.42	--	
75-69-4	Trichlorofluoromethane	0.317	0.050	--	1.78	0.281	--	
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
75-65-0	Tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
76-13-1	Freon-113	0.075	0.050	--	0.575	0.383	--	
156-60-5	trans-1,2-Dichloroethene	0.296	0.020	--	1.17	0.079	--	
75-34-3	1,1-Dichloroethane	ND	0.020	--	ND	0.081	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	0.654	0.500	--	1.93	1.47	--	
156-59-2	cis-1,2-Dichloroethene	1.31	0.020	--	5.19	0.079	--	
67-66-3	Chloroform	0.033	0.020	--	0.161	0.098	--	
107-06-2	1,2-Dichloroethane	0.106	0.020	--	0.429	0.081	--	
110-54-3	n-Hexane	0.369	0.200	--	1.30	0.705	--	
71-55-6	1,1,1-Trichloroethane	0.058	0.020	--	0.316	0.109	--	
71-43-2	Benzene	0.297	0.100	--	0.949	0.319	--	
56-23-5	Carbon tetrachloride	0.106	0.020	--	0.667	0.126	--	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111
Lab ID	: L2506387-04	Date Collected	: 02/04/25 12:40
Client ID	: IA-4	Date Received	: 02/05/25
Sample Location	: 22-26 RAILROAD AVE, GLEN HEAD, NASSAU	Date Analyzed	: 02/20/25 02:15
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R229333_EV2	Instrument ID	: AIRLAB22
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	--	ND	0.092	--	U
75-27-4	Bromodichloromethane	ND	0.020	--	ND	0.134	--	U
123-91-1	1,4-Dioxane	ND	0.100	--	ND	0.360	--	U
79-01-6	Trichloroethene	2.57	0.020	--	13.8	0.107	--	
540-84-1	2,2,4-Trimethylpentane	0.261	0.200	--	1.22	0.934	--	
142-82-5	Heptane	0.624	0.200	--	2.56	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--	U
108-88-3	Toluene	0.827	0.100	--	3.12	0.377	--	
124-48-1	Dibromochloromethane	ND	0.020	--	ND	0.170	--	U
106-93-4	1,2-Dibromoethane	ND	0.020	--	ND	0.154	--	U
127-18-4	Tetrachloroethene	27.6	0.020	--	187	0.136	--	
108-90-7	Chlorobenzene	ND	0.100	--	ND	0.461	--	U
100-41-4	Ethylbenzene	0.178	0.020	--	0.773	0.087	--	
179601-23-1	p/m-Xylene	0.591	0.040	--	2.57	0.174	--	
75-25-2	Bromoform	ND	0.020	--	ND	0.207	--	U
100-42-5	Styrene	0.045	0.020	--	0.192	0.085	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--	U
95-47-6	o-Xylene	0.177	0.020	--	0.769	0.087	--	
108-67-8	1,3,5-Trimethylbenzene	0.036	0.020	--	0.177	0.098	--	
95-63-6	1,2,4-Trimethylbenzene	0.119	0.020	--	0.585	0.098	--	
100-44-7	Benzyl chloride	ND	0.100	--	ND	0.518	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111
Lab ID	: L2506387-04	Date Collected	: 02/04/25 12:40
Client ID	: IA-4	Date Received	: 02/05/25
Sample Location	: 22-26 RAILROAD AVE, GLEN HEAD, NASSAU	Date Analyzed	: 02/20/25 02:15
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R229333_EV2	Instrument ID	: AIRLAB22
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	--	ND	0.120	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--	U
91-20-3	Naphthalene	ND	0.050	--	ND	0.262	--	U
87-68-3	Hexachlorobutadiene	ND	0.050	--	ND	0.533	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111
Lab ID	: L2506387-05	Date Collected	: 02/04/25 12:29
Client ID	: OA	Date Received	: 02/05/25
Sample Location	: 22-26 RAILROAD AVE, GLEN HEAD, NASSAU	Date Analyzed	: 02/19/25 23:10
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R229328_EV2	Instrument ID	: AIRLAB22
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	0.605	0.200	--	2.99	0.989	--	
74-87-3	Chloromethane	0.554	0.200	--	1.14	0.413	--	
76-14-2	Freon-114	ND	0.050	--	ND	0.349	--	U
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
74-83-9	Bromomethane	0.020	0.020	--	0.078	0.078	--	
75-00-3	Chloroethane	ND	0.100	--	ND	0.264	--	U
64-17-5	Ethanol	ND	5.00	--	ND	9.42	--	U
75-69-4	Trichlorofluoromethane	0.313	0.050	--	1.76	0.281	--	
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
75-65-0	Tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
76-13-1	Freon-113	0.065	0.050	--	0.498	0.383	--	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
75-34-3	1,1-Dichloroethane	ND	0.020	--	ND	0.081	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.15	0.500	--	3.39	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
67-66-3	Chloroform	0.026	0.020	--	0.127	0.098	--	
107-06-2	1,2-Dichloroethane	0.022	0.020	--	0.089	0.081	--	
110-54-3	n-Hexane	0.263	0.200	--	0.927	0.705	--	
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
71-43-2	Benzene	0.227	0.100	--	0.725	0.319	--	
56-23-5	Carbon tetrachloride	0.104	0.020	--	0.654	0.126	--	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111
Lab ID	: L2506387-05	Date Collected	: 02/04/25 12:29
Client ID	: OA	Date Received	: 02/05/25
Sample Location	: 22-26 RAILROAD AVE, GLEN HEAD, NASSAU	Date Analyzed	: 02/19/25 23:10
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R229328_EV2	Instrument ID	: AIRLAB22
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	--	ND	0.092	--	U
75-27-4	Bromodichloromethane	ND	0.020	--	ND	0.134	--	U
123-91-1	1,4-Dioxane	ND	0.100	--	ND	0.360	--	U
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--	U
108-88-3	Toluene	0.272	0.100	--	1.03	0.377	--	
124-48-1	Dibromochloromethane	ND	0.020	--	ND	0.170	--	U
106-93-4	1,2-Dibromoethane	ND	0.020	--	ND	0.154	--	U
127-18-4	Tetrachloroethene	0.344	0.020	--	2.33	0.136	--	
108-90-7	Chlorobenzene	ND	0.100	--	ND	0.461	--	U
100-41-4	Ethylbenzene	0.043	0.020	--	0.187	0.087	--	
179601-23-1	p/m-Xylene	0.119	0.040	--	0.517	0.174	--	
75-25-2	Bromoform	ND	0.020	--	ND	0.207	--	U
100-42-5	Styrene	ND	0.020	--	ND	0.085	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--	U
95-47-6	o-Xylene	0.051	0.020	--	0.222	0.087	--	
108-67-8	1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--	U
95-63-6	1,2,4-Trimethylbenzene	0.035	0.020	--	0.172	0.098	--	
100-44-7	Benzyl chloride	ND	0.100	--	ND	0.518	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111
Lab ID	: L2506387-05	Date Collected	: 02/04/25 12:29
Client ID	: OA	Date Received	: 02/05/25
Sample Location	: 22-26 RAILROAD AVE, GLEN HEAD, NASSAU	Date Analyzed	: 02/19/25 23:10
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R229328_EV2	Instrument ID	: AIRLAB22
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	--	ND	0.120	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--	U
91-20-3	Naphthalene	ND	0.050	--	ND	0.262	--	U
87-68-3	Hexachlorobutadiene	ND	0.050	--	ND	0.533	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111
Lab ID	: L2506387-06	Date Collected	: 02/04/25 00:00
Client ID	: IA-X	Date Received	: 02/05/25
Sample Location	: 22-26 RAILROAD AVE, GLEN HEAD, NASSAU	Date Analyzed	: 02/20/25 02:46
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R229334_EV2	Instrument ID	: AIRLAB22
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	0.679	0.200	--	3.36	0.989	--	
74-87-3	Chloromethane	0.477	0.200	--	0.985	0.413	--	
76-14-2	Freon-114	ND	0.050	--	ND	0.349	--	U
75-01-4	Vinyl chloride	0.096	0.020	--	0.245	0.051	--	
74-83-9	Bromomethane	0.021	0.020	--	0.082	0.078	--	
75-00-3	Chloroethane	ND	0.100	--	ND	0.264	--	U
64-17-5	Ethanol	34.8	5.00	--	65.6	9.42	--	
75-69-4	Trichlorofluoromethane	0.349	0.050	--	1.96	0.281	--	
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
75-65-0	Tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
76-13-1	Freon-113	0.067	0.050	--	0.514	0.383	--	
156-60-5	trans-1,2-Dichloroethene	0.845	0.020	--	3.35	0.079	--	
75-34-3	1,1-Dichloroethane	ND	0.020	--	ND	0.081	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	0.976	0.500	--	2.88	1.47	--	
156-59-2	cis-1,2-Dichloroethene	3.73	0.020	--	14.8	0.079	--	
67-66-3	Chloroform	0.038	0.020	--	0.186	0.098	--	
107-06-2	1,2-Dichloroethane	0.208	0.020	--	0.842	0.081	--	
110-54-3	n-Hexane	0.511	0.200	--	1.80	0.705	--	
71-55-6	1,1,1-Trichloroethane	0.150	0.020	--	0.818	0.109	--	
71-43-2	Benzene	0.287	0.100	--	0.917	0.319	--	
56-23-5	Carbon tetrachloride	0.106	0.020	--	0.667	0.126	--	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111
Lab ID	: L2506387-06	Date Collected	: 02/04/25 00:00
Client ID	: IA-X	Date Received	: 02/05/25
Sample Location	: 22-26 RAILROAD AVE, GLEN HEAD, NASSAU	Date Analyzed	: 02/20/25 02:46
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R229334_EV2	Instrument ID	: AIRLAB22
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	--	ND	0.092	--	U
75-27-4	Bromodichloromethane	ND	0.020	--	ND	0.134	--	U
123-91-1	1,4-Dioxane	ND	0.100	--	ND	0.360	--	U
79-01-6	Trichloroethene	7.63	0.020	--	41.0	0.107	--	
540-84-1	2,2,4-Trimethylpentane	0.345	0.200	--	1.61	0.934	--	
142-82-5	Heptane	0.866	0.200	--	3.55	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--	U
108-88-3	Toluene	1.11	0.100	--	4.18	0.377	--	
124-48-1	Dibromochloromethane	ND	0.020	--	ND	0.170	--	U
106-93-4	1,2-Dibromoethane	ND	0.020	--	ND	0.154	--	U
127-18-4	Tetrachloroethene	57.3	0.020	--	389	0.136	--	E
108-90-7	Chlorobenzene	ND	0.100	--	ND	0.461	--	U
100-41-4	Ethylbenzene	0.296	0.020	--	1.29	0.087	--	
179601-23-1	p/m-Xylene	0.977	0.040	--	4.24	0.174	--	
75-25-2	Bromoform	ND	0.020	--	ND	0.207	--	U
100-42-5	Styrene	0.036	0.020	--	0.153	0.085	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--	U
95-47-6	o-Xylene	0.268	0.020	--	1.16	0.087	--	
108-67-8	1,3,5-Trimethylbenzene	0.047	0.020	--	0.231	0.098	--	
95-63-6	1,2,4-Trimethylbenzene	0.160	0.020	--	0.787	0.098	--	
100-44-7	Benzyl chloride	ND	0.100	--	ND	0.518	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111
Lab ID	: L2506387-06	Date Collected	: 02/04/25 00:00
Client ID	: IA-X	Date Received	: 02/05/25
Sample Location	: 22-26 RAILROAD AVE, GLEN HEAD, NASSAU	Date Analyzed	: 02/20/25 02:46
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R229334_EV2	Instrument ID	: AIRLAB22
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	--	ND	0.120	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--	U
91-20-3	Naphthalene	ND	0.050	--	ND	0.262	--	U
87-68-3	Hexachlorobutadiene	ND	0.050	--	ND	0.533	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111
Lab ID	: L2506387-06D	Date Collected	: 02/04/25 00:00
Client ID	: IA-X	Date Received	: 02/05/25
Sample Location	: 22-26 RAILROAD AVE, GLEN HEAD, NASSAU	Date Analyzed	: 02/20/25 08:52
Sample Matrix	: AIR	Dilution Factor	: 2.5
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R229343_EV2	Instrument ID	: AIRLAB22
Sample Amount	: 100 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
127-18-4	Tetrachloroethene	81.7	0.050	--	554	0.339	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111
Lab ID	: WG2032006-4	Date Collected	: NA
Client ID	: WG2032006-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/19/25 22:07
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R229326_EV2	Instrument ID	: AIRLAB22
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--	U
74-87-3	Chloromethane	ND	0.200	--	ND	0.413	--	U
76-14-2	Freon-114	ND	0.050	--	ND	0.349	--	U
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
74-83-9	Bromomethane	ND	0.020	--	ND	0.078	--	U
75-00-3	Chloroethane	ND	0.100	--	ND	0.264	--	U
64-17-5	Ethanol	ND	5.00	--	ND	9.42	--	U
75-69-4	Trichlorofluoromethane	ND	0.050	--	ND	0.281	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
75-65-0	Tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
76-13-1	Freon-113	ND	0.050	--	ND	0.383	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
75-34-3	1,1-Dichloroethane	ND	0.020	--	ND	0.081	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
67-66-3	Chloroform	ND	0.020	--	ND	0.098	--	U
107-06-2	1,2-Dichloroethane	ND	0.020	--	ND	0.081	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
71-43-2	Benzene	ND	0.100	--	ND	0.319	--	U
56-23-5	Carbon tetrachloride	ND	0.020	--	ND	0.126	--	U
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.020	--	ND	0.092	--	U
75-27-4	Bromodichloromethane	ND	0.020	--	ND	0.134	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111
Lab ID	: WG2032006-4	Date Collected	: NA
Client ID	: WG2032006-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/19/25 22:07
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R229326_EV2	Instrument ID	: AIRLAB22
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	--	ND	0.360	--	U
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--	U
108-88-3	Toluene	ND	0.100	--	ND	0.377	--	U
124-48-1	Dibromochloromethane	ND	0.020	--	ND	0.170	--	U
106-93-4	1,2-Dibromoethane	ND	0.020	--	ND	0.154	--	U
127-18-4	Tetrachloroethene	ND	0.020	--	ND	0.136	--	U
108-90-7	Chlorobenzene	ND	0.100	--	ND	0.461	--	U
100-41-4	Ethylbenzene	ND	0.020	--	ND	0.087	--	U
179601-23-1	p/m-Xylene	ND	0.040	--	ND	0.174	--	U
75-25-2	Bromoform	ND	0.020	--	ND	0.207	--	U
100-42-5	Styrene	ND	0.020	--	ND	0.085	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--	U
95-47-6	o-Xylene	ND	0.020	--	ND	0.087	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--	U
100-44-7	Benzyl chloride	ND	0.100	--	ND	0.518	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111
Lab ID	: WG2032006-4	Date Collected	: NA
Client ID	: WG2032006-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/19/25 22:07
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R229326_EV2	Instrument ID	: AIRLAB22
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	--	ND	0.262	--	U
87-68-3	Hexachlorobutadiene	ND	0.050	--	ND	0.533	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111
Lab ID	: WG2032006-5	Date Collected	: 02/04/25 12:42
Client ID	: IA-3DUP	Date Received	: 02/05/25
Sample Location	:	Date Analyzed	: 02/20/25 01:33
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R229332_EV2	Instrument ID	: AIRLAB22
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	0.640	0.200	--	3.16	0.989	--	
74-87-3	Chloromethane	0.554	0.200	--	1.14	0.413	--	
76-14-2	Freon-114	ND	0.050	--	ND	0.349	--	U
75-01-4	Vinyl chloride	0.031	0.020	--	0.079	0.051	--	
74-83-9	Bromomethane	0.021	0.020	--	0.082	0.078	--	
75-00-3	Chloroethane	ND	0.100	--	ND	0.264	--	U
64-17-5	Ethanol	43.8	5.00	--	82.5	9.42	--	
75-69-4	Trichlorofluoromethane	0.310	0.050	--	1.74	0.281	--	
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
75-65-0	Tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
76-13-1	Freon-113	0.070	0.050	--	0.537	0.383	--	
156-60-5	trans-1,2-Dichloroethene	0.266	0.020	--	1.05	0.079	--	
75-34-3	1,1-Dichloroethane	ND	0.020	--	ND	0.081	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	0.595	0.500	--	1.75	1.47	--	
156-59-2	cis-1,2-Dichloroethene	1.17	0.020	--	4.64	0.079	--	
67-66-3	Chloroform	0.033	0.020	--	0.161	0.098	--	
107-06-2	1,2-Dichloroethane	0.109	0.020	--	0.441	0.081	--	
110-54-3	n-Hexane	0.452	0.200	--	1.59	0.705	--	
71-55-6	1,1,1-Trichloroethane	0.069	0.020	--	0.376	0.109	--	
71-43-2	Benzene	0.276	0.100	--	0.882	0.319	--	
56-23-5	Carbon tetrachloride	0.103	0.020	--	0.648	0.126	--	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.020	--	ND	0.092	--	U
75-27-4	Bromodichloromethane	ND	0.020	--	ND	0.134	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111
Lab ID	: WG2032006-5	Date Collected	: 02/04/25 12:42
Client ID	: IA-3DUP	Date Received	: 02/05/25
Sample Location	:	Date Analyzed	: 02/20/25 01:33
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R229332_EV2	Instrument ID	: AIRLAB22
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	--	ND	0.360	--	U
79-01-6	Trichloroethene	2.34	0.020	--	12.6	0.107	--	
540-84-1	2,2,4-Trimethylpentane	0.237	0.200	--	1.11	0.934	--	
142-82-5	Heptane	0.497	0.200	--	2.04	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--	U
108-88-3	Toluene	0.715	0.100	--	2.69	0.377	--	
124-48-1	Dibromochloromethane	ND	0.020	--	ND	0.170	--	U
106-93-4	1,2-Dibromoethane	ND	0.020	--	ND	0.154	--	U
127-18-4	Tetrachloroethene	25.5	0.020	--	173	0.136	--	
108-90-7	Chlorobenzene	ND	0.100	--	ND	0.461	--	U
100-41-4	Ethylbenzene	0.170	0.020	--	0.738	0.087	--	
179601-23-1	p/m-Xylene	0.553	0.040	--	2.40	0.174	--	
75-25-2	Bromoform	ND	0.020	--	ND	0.207	--	U
100-42-5	Styrene	0.041	0.020	--	0.175	0.085	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--	U
95-47-6	o-Xylene	0.171	0.020	--	0.743	0.087	--	
108-67-8	1,3,5-Trimethylbenzene	0.035	0.020	--	0.172	0.098	--	
95-63-6	1,2,4-Trimethylbenzene	0.121	0.020	--	0.595	0.098	--	
100-44-7	Benzyl chloride	ND	0.100	--	ND	0.518	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111
Lab ID	: WG2032006-5	Date Collected	: 02/04/25 12:42
Client ID	: IA-3DUP	Date Received	: 02/05/25
Sample Location	:	Date Analyzed	: 02/20/25 01:33
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R229332_EV2	Instrument ID	: AIRLAB22
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	--	ND	0.262	--	U
87-68-3	Hexachlorobutadiene	ND	0.050	--	ND	0.533	--	U

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229328_Ev2.D
Acq On : 19 Feb 2025 11:10 PM
Operator : AIRLAB22:TPH
Sample : L2506387-05,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 20 07:50:31 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0219SIM\r229324_Ev2.D
Sub List : NYDEC-SIM - .

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	4.563	49	307196	10.000	ppbV		0.00
Standard Area = 316137			Recovery = 97.17%				
33) 1,4-difluorobenzene	5.450	114	977965	10.000	ppbV		0.00
Standard Area = 1013027			Recovery = 96.54%				
51) chlorobenzene-D5	7.360	54	125052	10.000	ppbV	#	0.00
Standard Area = 123842			Recovery = 100.98%				
System Monitoring Compounds							
Target Compounds							Qvalue
3) dichlorodifluoromethane	2.515	85	21044	0.605	ppbV		99
4) chloromethane	2.595	50	11040	0.554	ppbV		95
5) Freon-114	2.640	85	881	0.022	ppbV		94
6) vinyl chloride	0.000		0	N.D.			
8) bromomethane	2.865	94	363	0.020	ppbV		99
9) chloroethane	2.938	64	146	0.013	ppbV	#	79
10) ethanol	2.986	31	52910	4.280	ppbV		90
14) trichlorofluoromethane	3.271	101	7349	0.313	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	3.600	49	3455	0.124	ppbV		88
22) Freon 113	3.720	101	3153	0.065	ppbV		93
23) trans-1,2-dichloroethene	4.020	61	326	0.010	ppbV		89
24) 1,1-dichloroethane	4.113		0	N.D.			
25) MTBE	4.120		0	N.D.			
27) 2-butanone	4.303	43	64070	1.147	ppbV	#	97
28) cis-1,2-dichloroethene	4.490	61	510	0.015	ppbV		86
30) chloroform	4.623	83	975	0.026	ppbV	#	96
32) 1,2-dichloroethane	4.963	62	452	0.022	ppbV	#	89
34) hexane	4.590	57	9770	0.263	ppbV	#	1
36) 1,1,1-trichloroethane	0.000		0	N.D.			
37) benzene	5.290	78	20674	0.227	ppbV		97
38) carbon tetrachloride	5.363	117	2636	0.104	ppbV	#	96
39) cyclohexane	5.417	56	3527M6	0.078	ppbV		
41) 1,2-dichloropropane	5.663		0	N.D.			
42) bromodichloromethane	5.750		0	N.D.			
43) 1,4-dioxane	5.883	88	494	0.024	ppbV		92
44) trichloroethene	5.770	130	468	0.011	ppbV	#	90

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229328_Ev2.D
Acq On : 19 Feb 2025 11:10 PM
Operator : AIRLAB22:TPH
Sample : L2506387-05,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 20 07:50:31 2025
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Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0219SIM\r229324_Ev2.D
Sub List : NYDEC-SIM - .

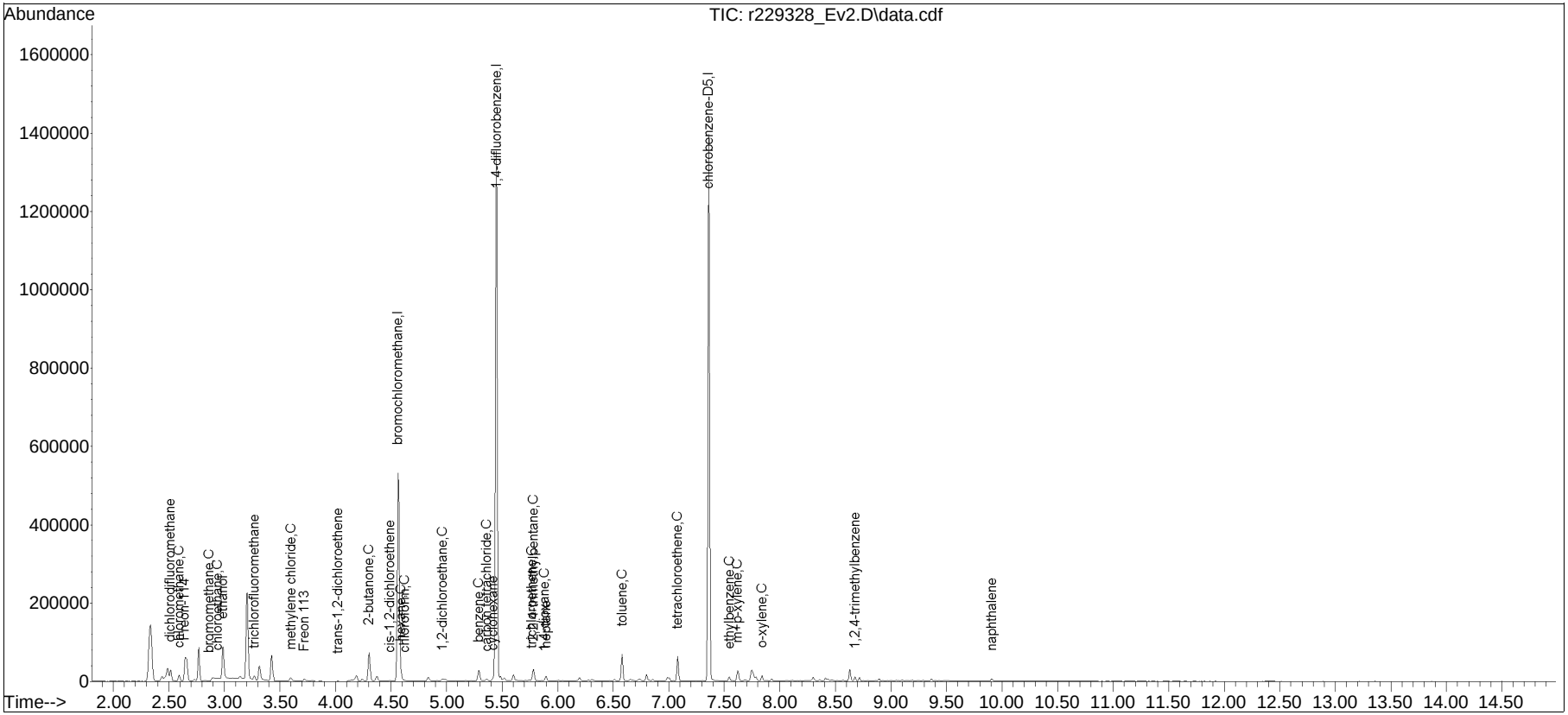
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 2,2,4-trimethylpentane	5.783	57	19232	0.161	ppbV	96
46) heptane	5.897	43	5346	0.099	ppbV	94
47) cis-1,3-dichloropropene	0.000		0	N.D.		
48) 4-methyl-2-pentanone	0.000		0	N.D.	d	
49) trans-1,3-dichloropropene	0.000		0	N.D.		
50) 1,1,2-trichloroethane	0.000		0	N.D.		
52) toluene	6.580	91	35886	0.272	ppbV	97
55) dibromochloromethane	0.000		0	N.D.		
56) 1,2-dibromoethane	0.000		0	N.D.		
57) tetrachloroethene	7.080	166	21882	0.344	ppbV #	90
59) chlorobenzene	7.387		0	N.D.		
60) ethylbenzene	7.547	91	6834	0.043	ppbV	97
61) m+p-xylene	7.620	91	15073	0.119	ppbV	91
62) bromoform	7.667		0	N.D.		
63) styrene	7.793		0	N.D.		
64) 1,1,2,2-tetrachloroethane	7.853		0	N.D.		
65) o-xylene	7.840	91	6407	0.051	ppbV	93
71) 1,3,5-trimethylbenzene	8.467		0	N.D.		
73) 1,2,4-trimethylbenzene	8.677	105	5190	0.035	ppbV #	63
74) Benzyl Chloride	8.750		0	N.D.		
75) 1,3-dichlorobenzene	8.763		0	N.D.		
76) 1,4-dichlorobenzene	8.797		0	N.D.		
79) 1,2-dichlorobenzene	8.970		0	N.D.		
82) 1,2,4-trichlorobenzene	9.857		0	N.D.		
83) naphthalene	9.910	128	3528	0.015	ppbV #	95
85) hexachlorobutadiene	10.090		0	N.D.		

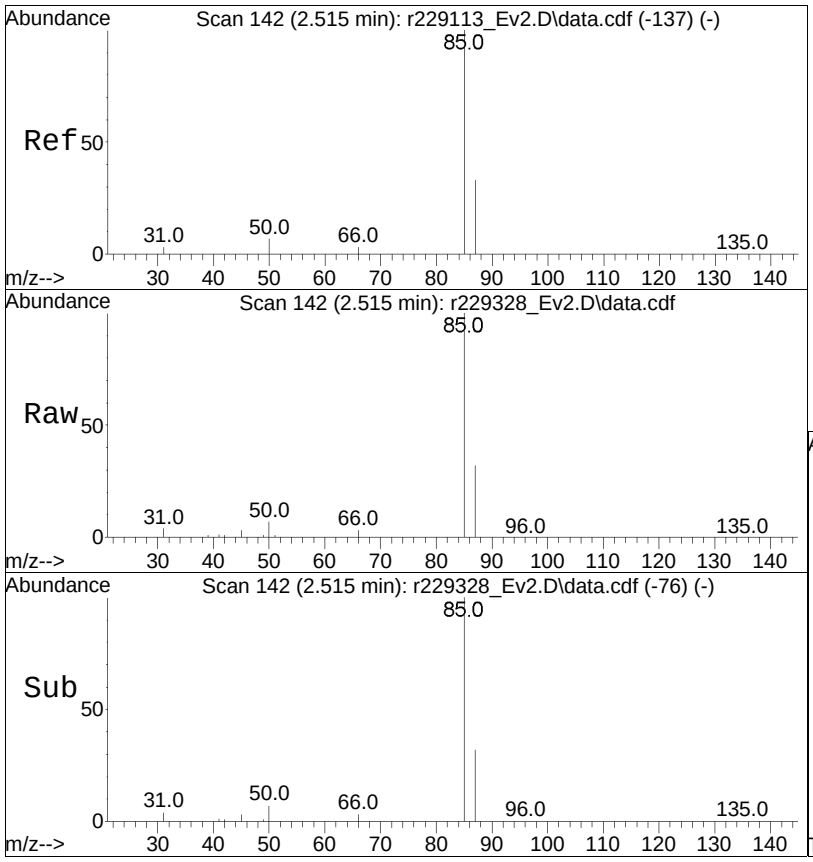
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : NYDEC-SIM - .a\Airlab22\2025\02\0219SIM\r229324_Ev2.D

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Acq On : 19 Feb 2025 11:10 PM
Operator : AIRLAB22:TPH
Sample : L2506387-05,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 20 07:50:31 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

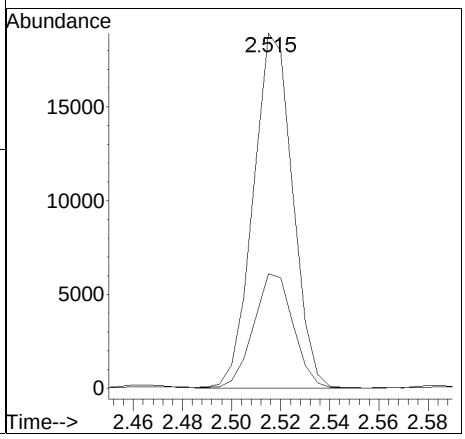


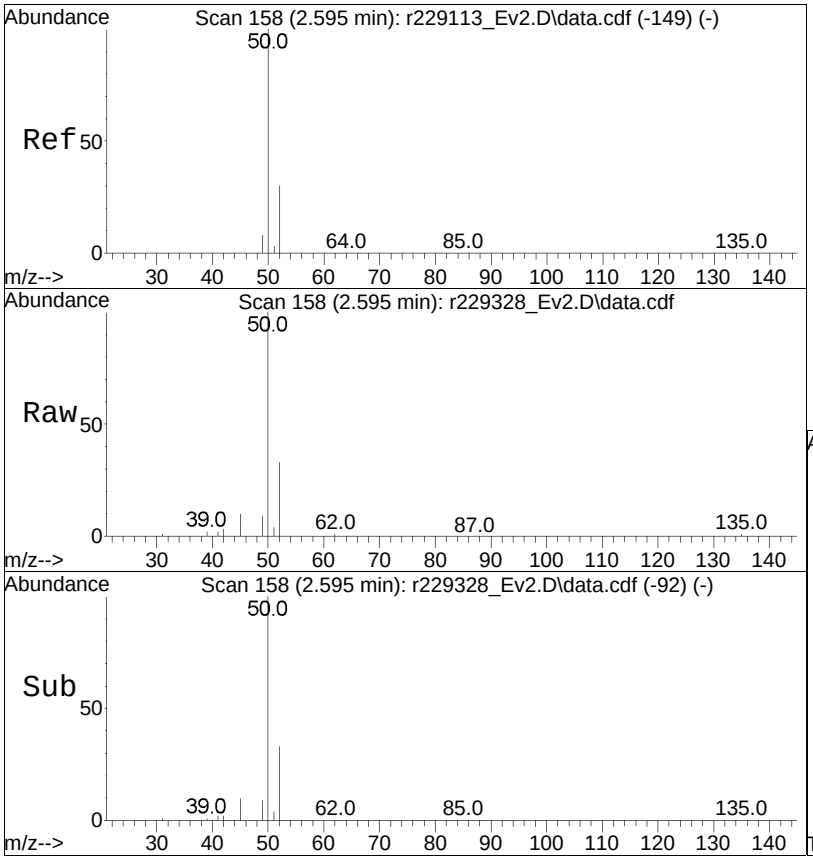


#3
dichlorodifluoromethane
Concen: 0.61 ppbV
RT: 2.515 min Scan# 142
Delta R.T. 0.000 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion: 85 Resp: 21044

Ion	Ratio	Lower	Upper
85	100		
87	32.3	26.2	39.2

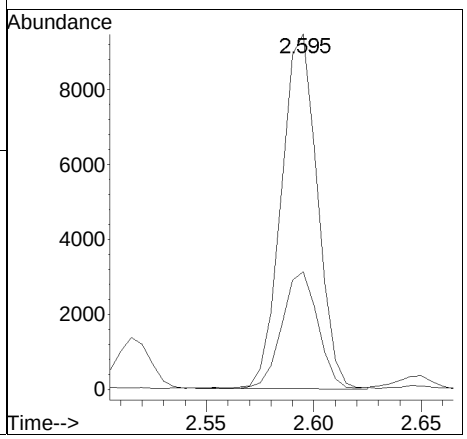


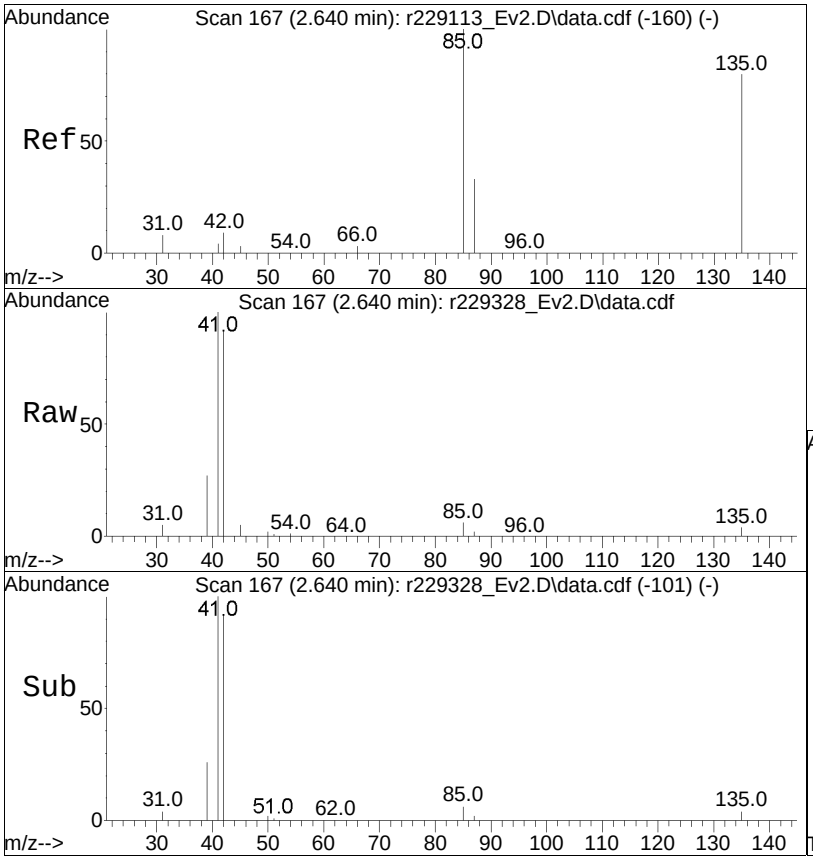


#4
chloromethane
Concen: 0.55 ppbV
RT: 2.595 min Scan# 158
Delta R.T. 0.000 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion: 50 Resp: 11040

Ion	Ratio	Lower	Upper
50	100		
52	33.1	24.3	36.5

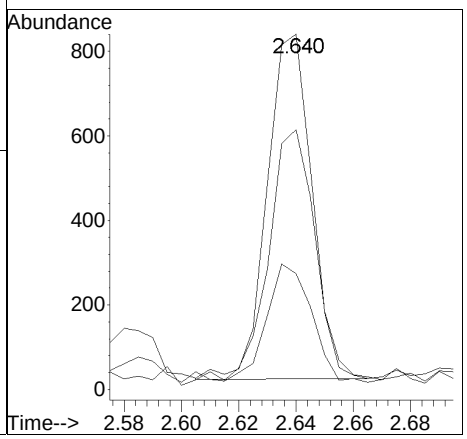


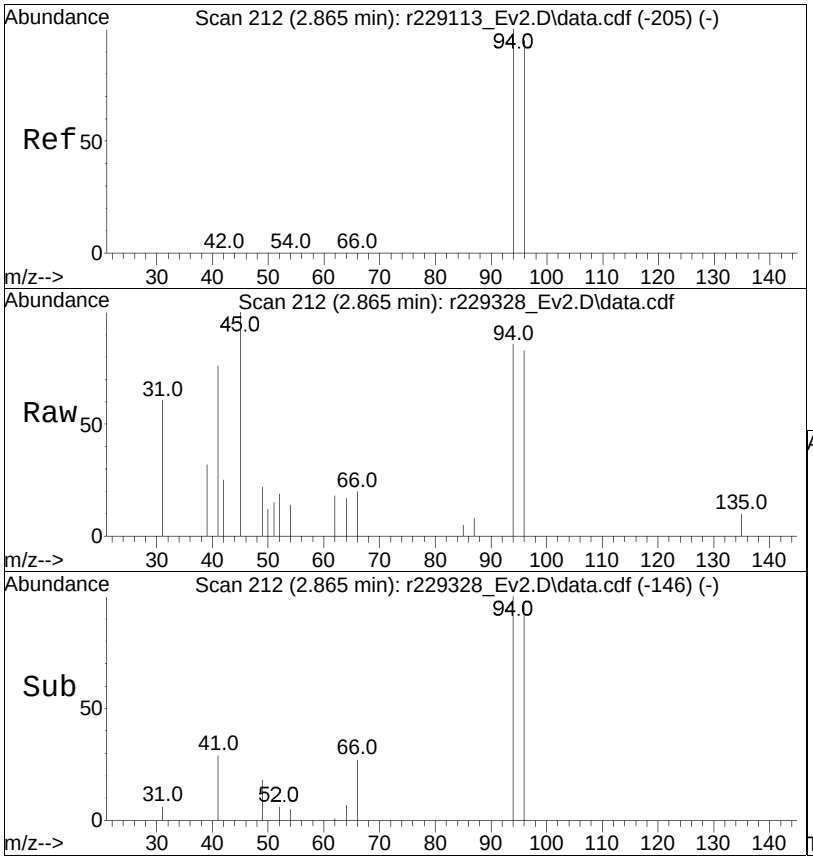


#5
Freon-114
Concen: 0.02 ppbV
RT: 2.640 min Scan# 167
Delta R.T. 0.000 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion: 85 Resp: 881

Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.0	39.0
135	73.1	64.2	96.2

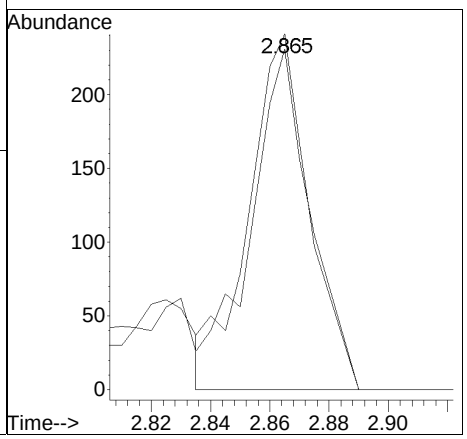


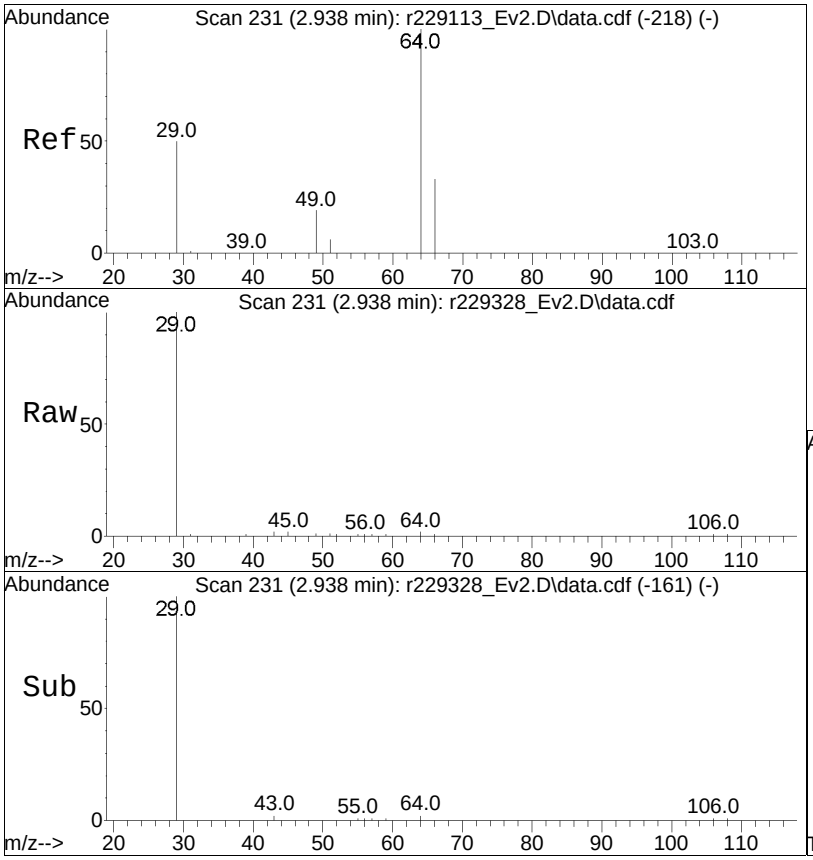


#8
bromomethane
Concen: 0.02 ppbV
RT: 2.865 min Scan# 212
Delta R.T. 0.000 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion: 94 Resp: 363

Ion	Ratio	Lower	Upper
94	100		
96	95.9	76.2	114.4

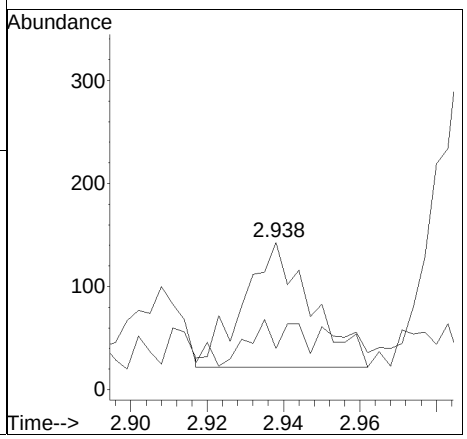


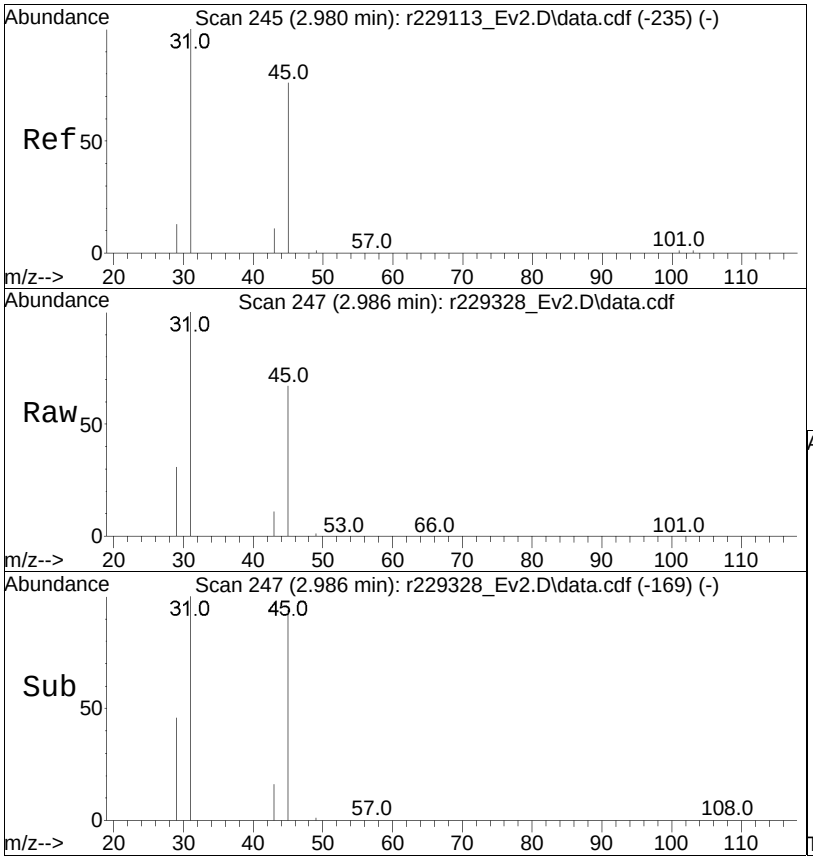


#9
chloroethane
Concen: 0.01 ppbV
RT: 2.938 min Scan# 231
Delta R.T. 0.000 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion: 64 Resp: 146

Ion	Ratio	Lower	Upper
64	100		
49	28.0	15.0	22.4#

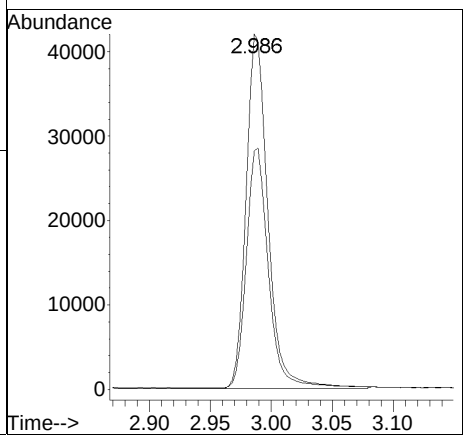


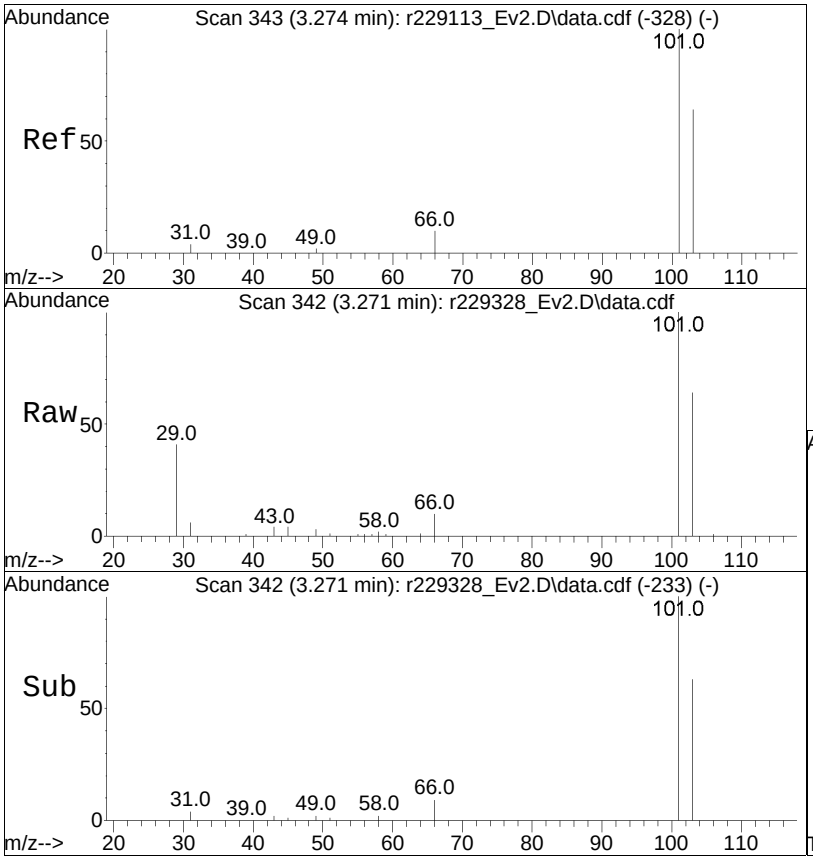


#10
ethanol
Concen: 4.28 ppbV
RT: 2.986 min Scan# 247
Delta R.T. 0.006 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion: 31 Resp: 52910

Ion	Ratio	Lower	Upper
31	100		
45	67.2	60.7	91.1

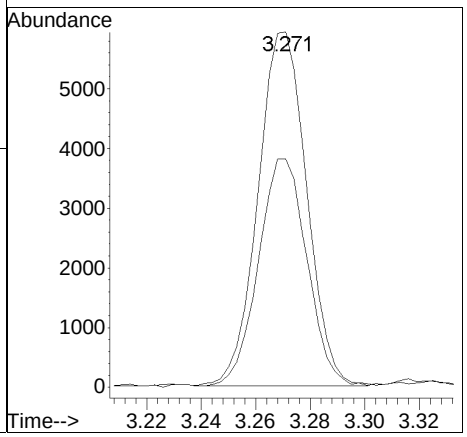


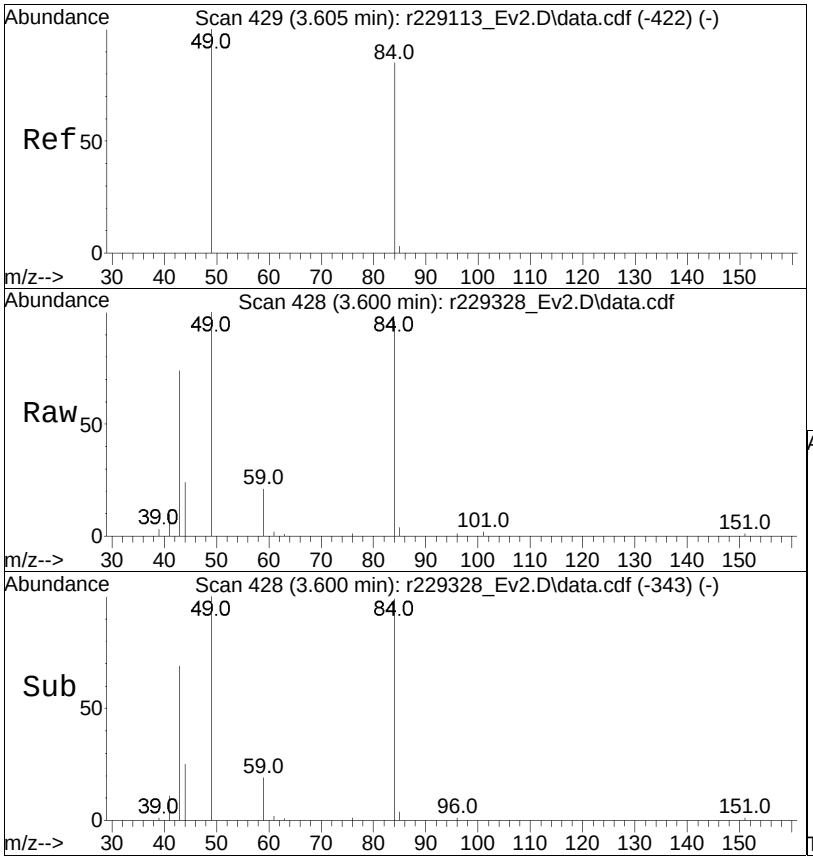


#14
trichlorofluoromethane
Concen: 0.31 ppbV
RT: 3.271 min Scan# 342
Delta R.T. -0.003 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion:101 Resp: 7349

Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.5	77.3

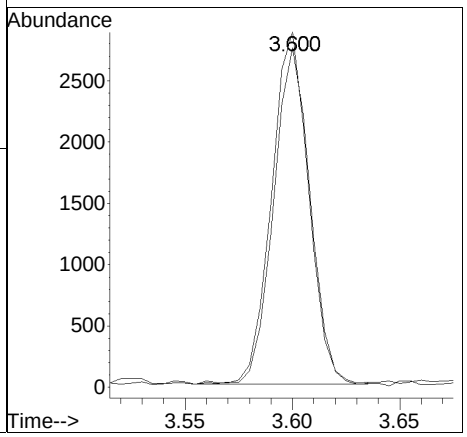


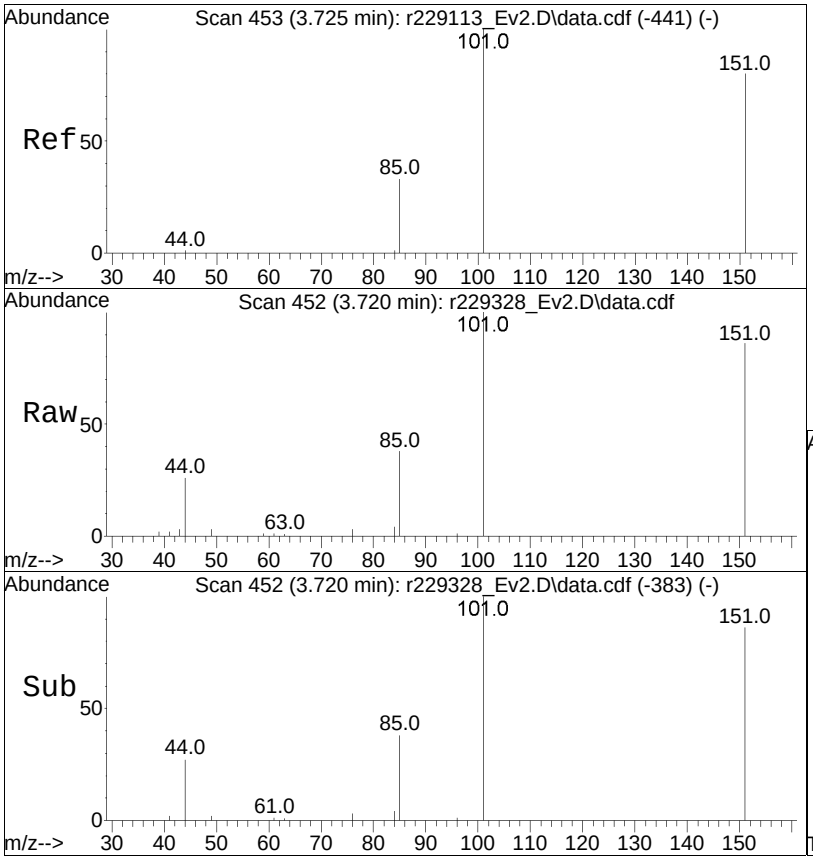


#19
methylene chloride
Concen: 0.12 ppbV
RT: 3.600 min Scan# 428
Delta R.T. -0.005 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion: 49 Resp: 3455

Ion	Ratio	Lower	Upper
49	100		
84	95.6	67.6	101.4

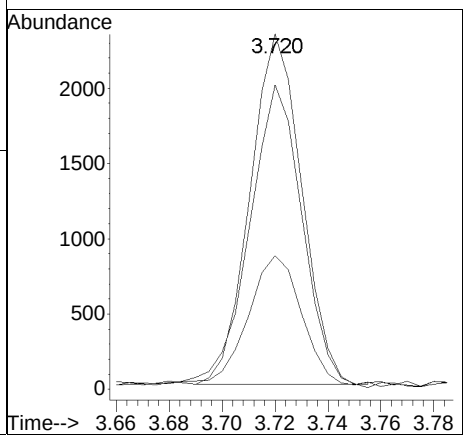


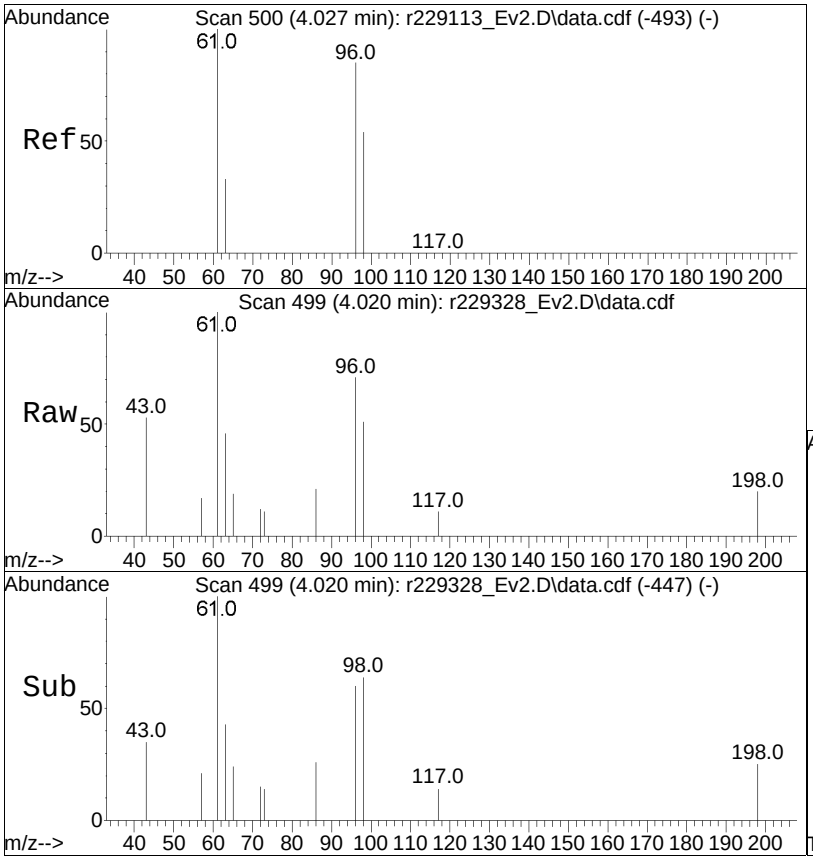


#22
Freon 113
Concen: 0.07 ppbV
RT: 3.720 min Scan# 452
Delta R.T. -0.005 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion:101 Resp: 3153

Ion	Ratio	Lower	Upper
101	100		
85	37.6	26.1	39.1
151	85.7	64.0	96.0

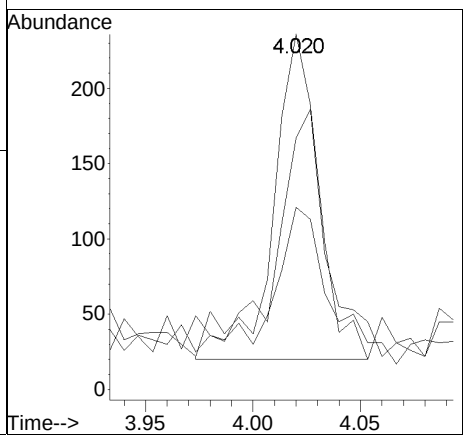


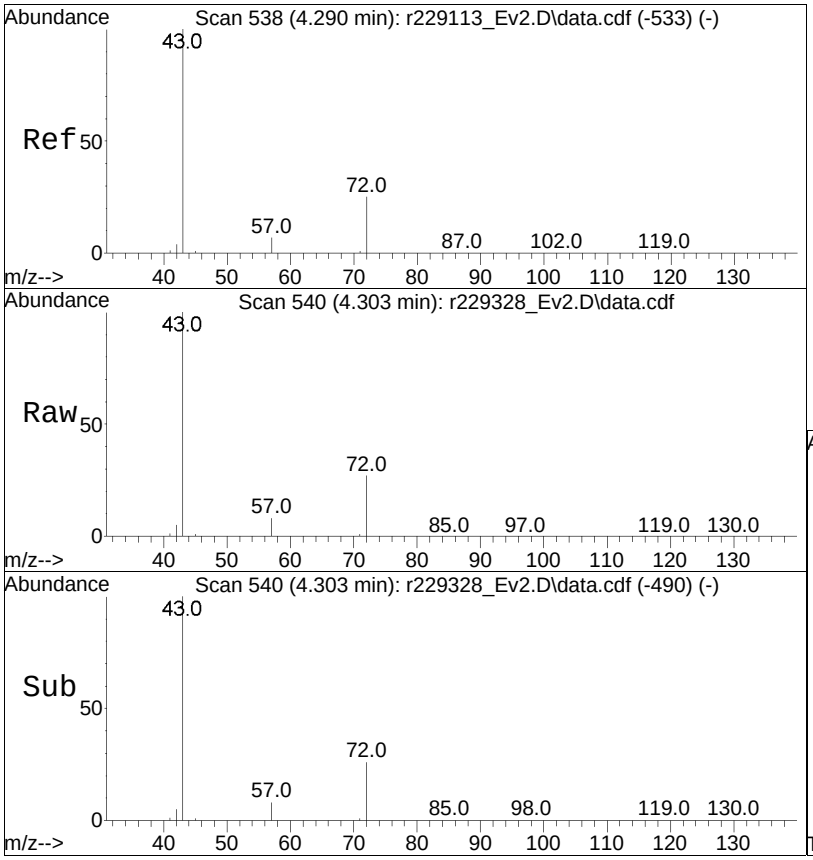


#23
trans-1,2-dichloroethene
Concen: 0.01 ppbV
RT: 4.020 min Scan# 499
Delta R.T. -0.007 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion: 61 Resp: 326

Ion	Ratio	Lower	Upper
61	100		
96	70.8	68.3	102.5
98	51.3	43.0	64.4

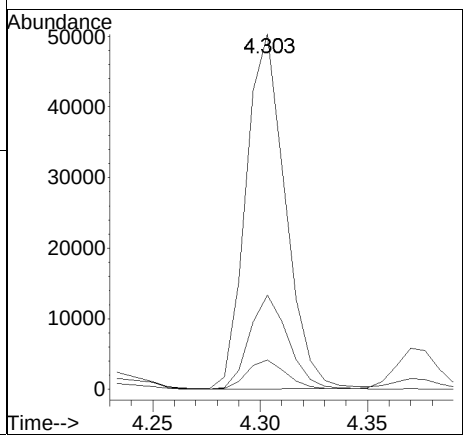


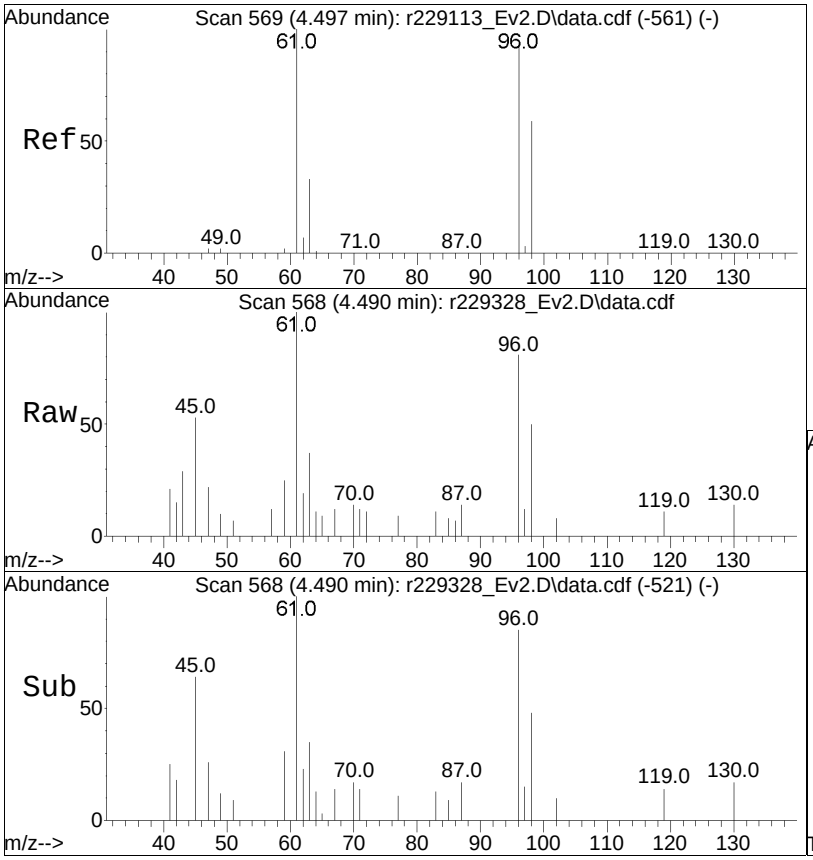


#27
2-butanone
Concen: 1.15 ppbV
RT: 4.303 min Scan# 540
Delta R.T. 0.013 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion: 43 Resp: 64070

Ion	Ratio	Lower	Upper
43	100		
72	26.5	20.2	30.4
57	8.3	5.4	8.0#

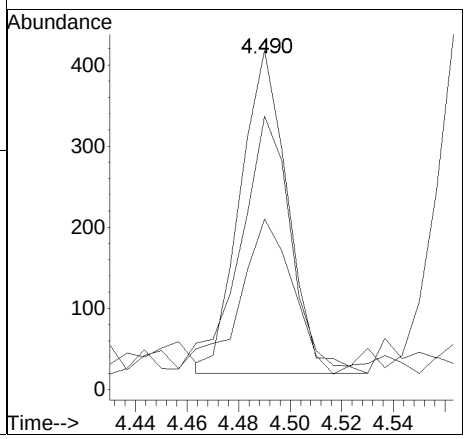


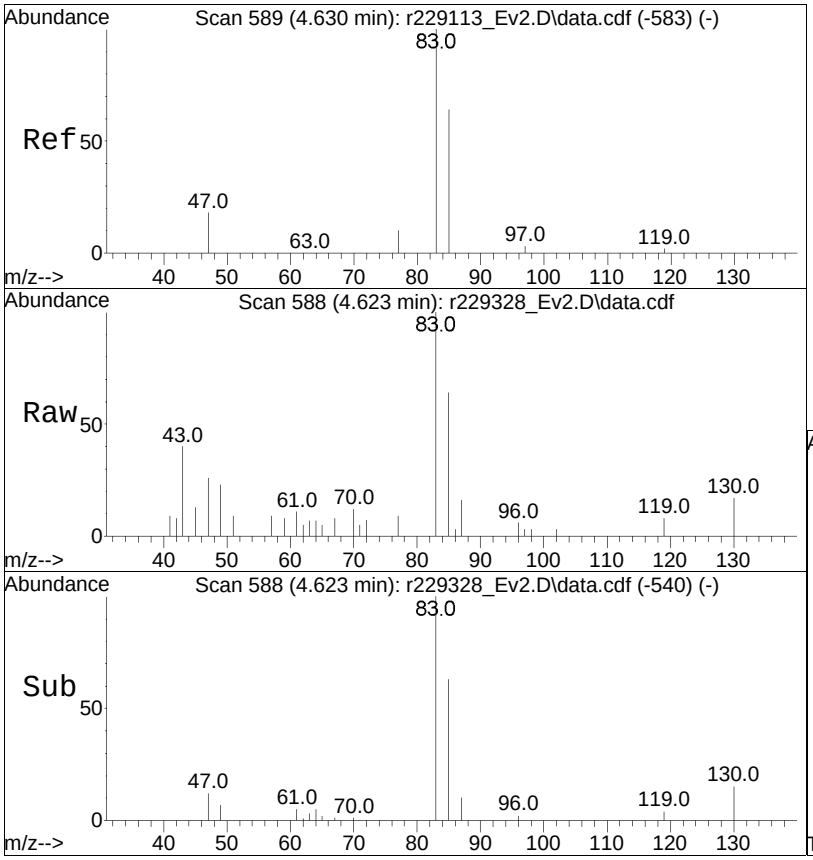


#28
cis-1,2-dichloroethene
Concen: 0.02 ppbV
RT: 4.490 min Scan# 568
Delta R.T. -0.007 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion: 61 Resp: 510

Ion	Ratio	Lower	Upper
61	100		
96	80.6	75.9	113.9
98	50.2	47.6	71.4

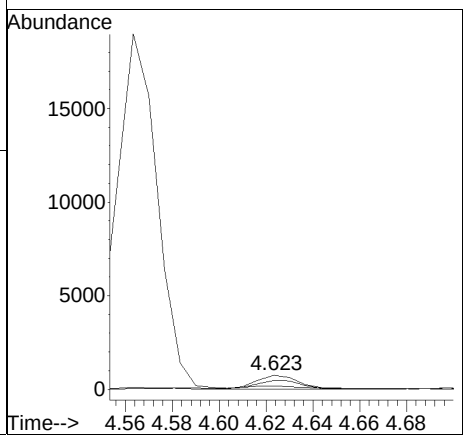


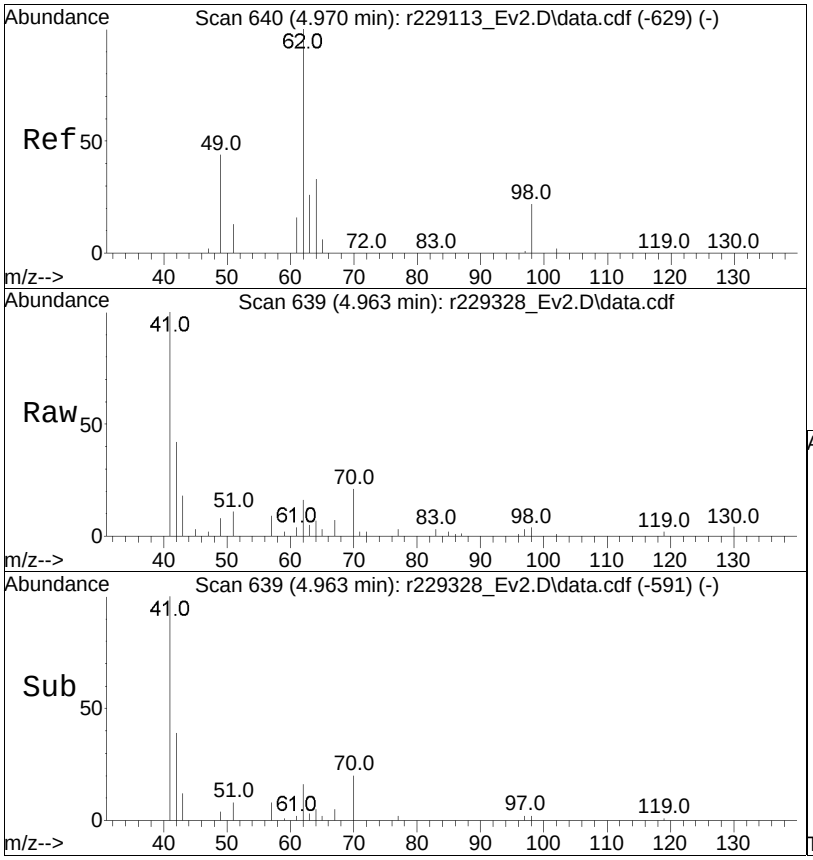


#30
chloroform
Concen: 0.03 ppbV
RT: 4.623 min Scan# 588
Delta R.T. -0.007 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion: 83 Resp: 975

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.6
47	25.9	16.1	24.1#

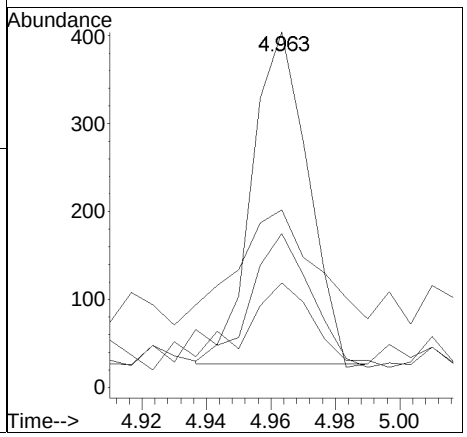


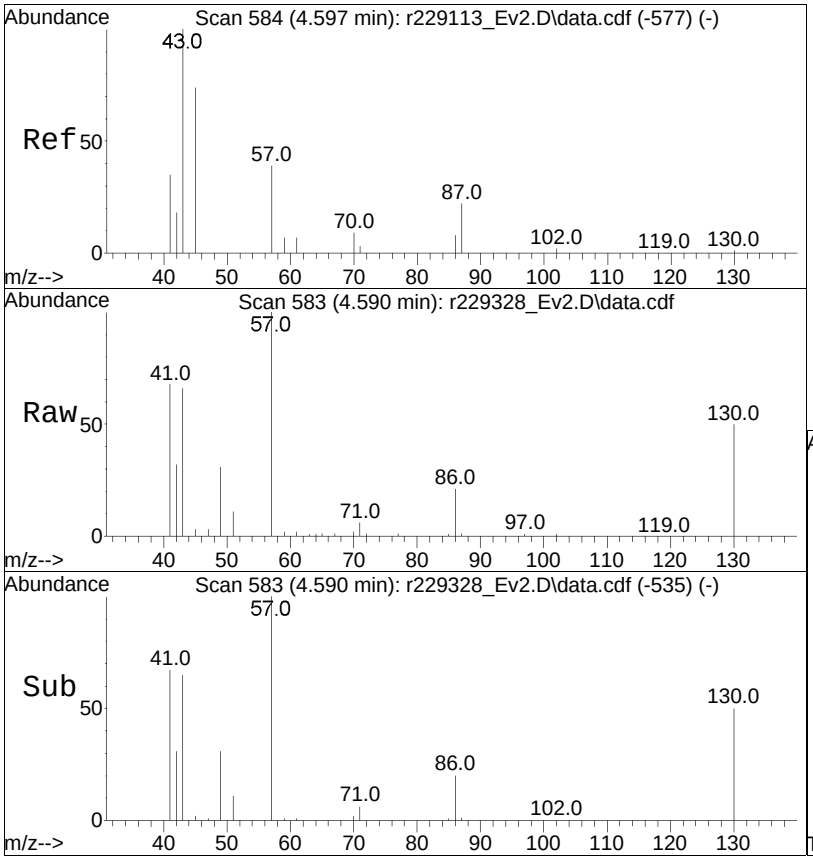


#32
1,2-dichloroethane
Concen: 0.02 ppbV
RT: 4.963 min Scan# 639
Delta R.T. -0.007 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion: 62 Resp: 452

Ion	Ratio	Lower	Upper
62	100		
64	43.3	26.8	40.2#
49	50.0	35.7	53.5
63	29.5	21.0	31.6

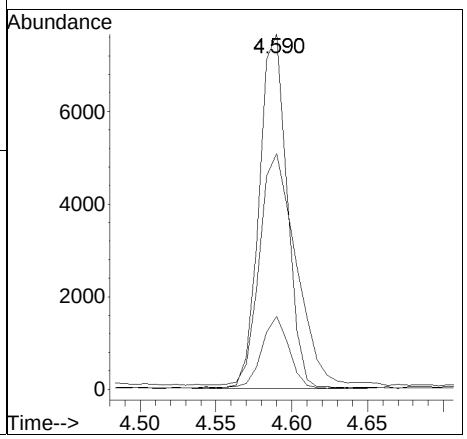


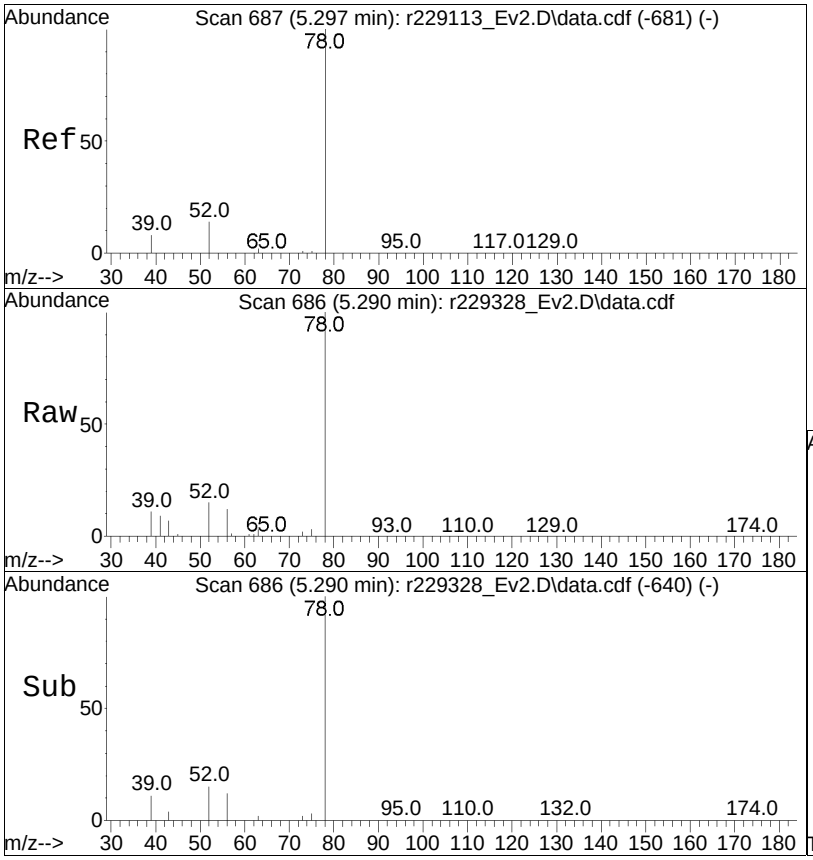


#34
hexane
Concen: 0.26 ppbV
RT: 4.590 min Scan# 583
Delta R.T. -0.007 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion: 57 Resp: 9770

Ion	Ratio	Lower	Upper
57	100		
43	66.4	207.8	311.8#
86	20.6	17.5	26.3

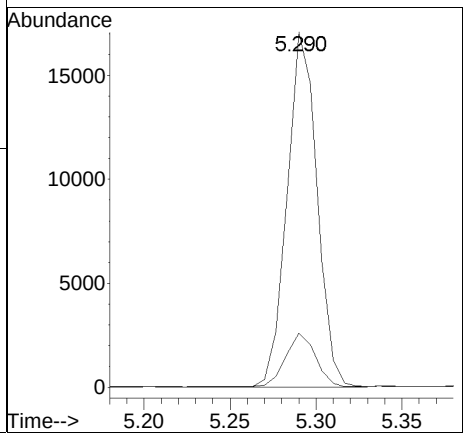


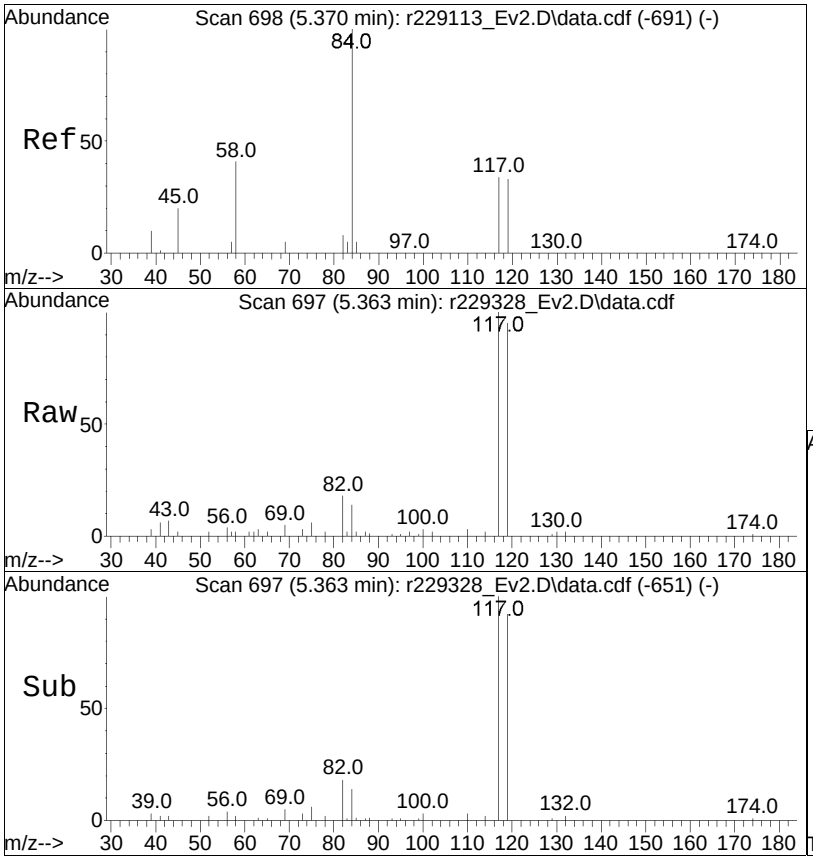


#37
benzene
Concen: 0.23 ppbV
RT: 5.290 min Scan# 686
Delta R.T. -0.007 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion: 78 Resp: 20674

Ion	Ratio	Lower	Upper
78	100		
52	15.3	11.3	16.9

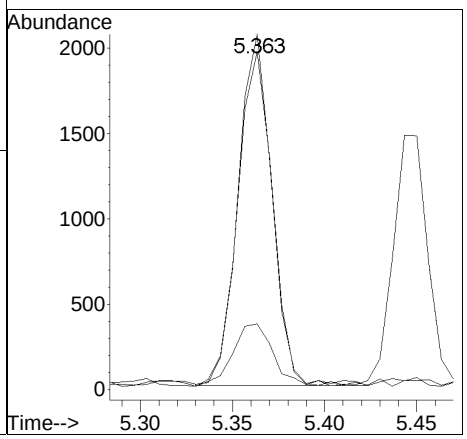


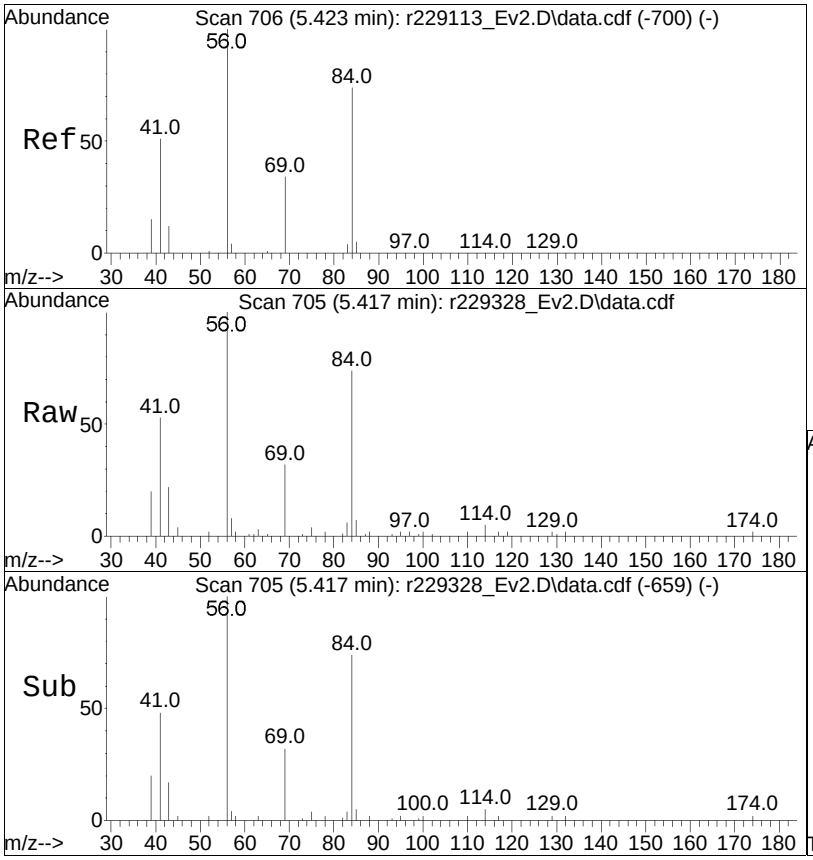


#38
carbon tetrachloride
Concen: 0.10 ppbV
RT: 5.363 min Scan# 697
Delta R.T. -0.007 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion:117 Resp: 2636

Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.7	116.5
82	18.4	19.5	29.3#

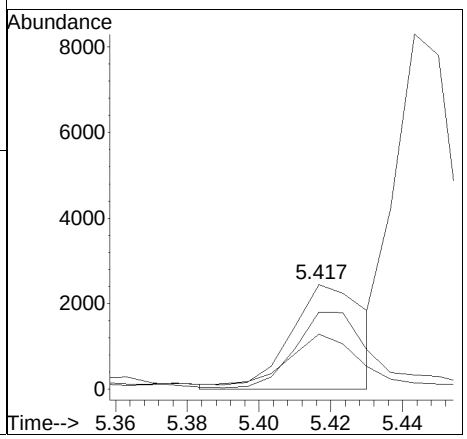


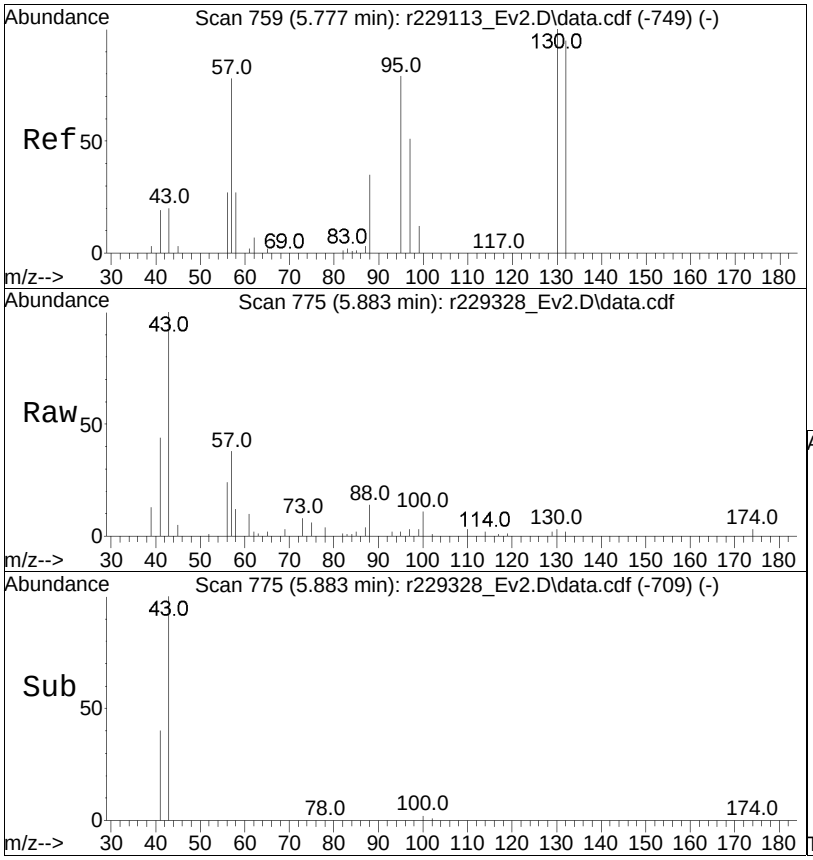


#39
cyclohexane
Concen: 0.08 ppbV m
RT: 5.417 min Scan# 705
Delta R.T. -0.007 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion: 56 Resp: 3527

Ion	Ratio	Lower	Upper
56	100		
84	74.0	64.6	96.8
41	52.8	41.3	61.9

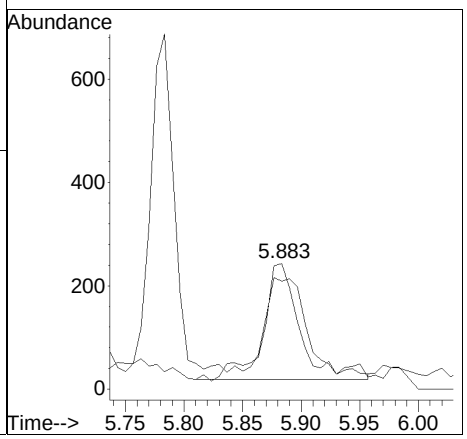


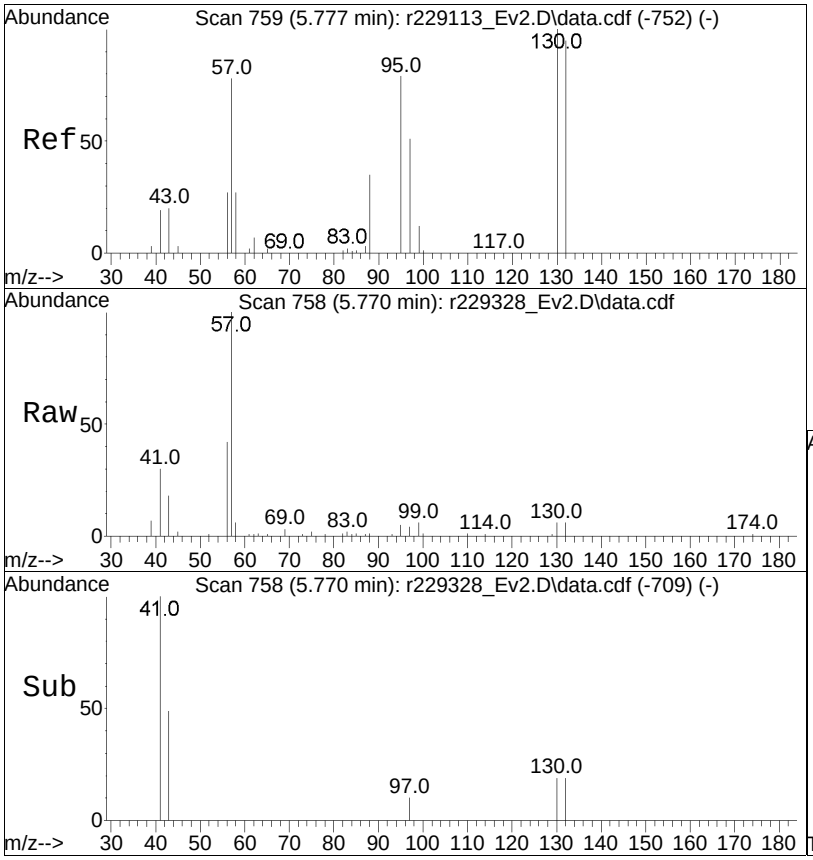


#43
1,4-dioxane
Concen: 0.02 ppbV
RT: 5.883 min Scan# 775
Delta R.T. 0.107 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion: 88 Resp: 494

Ion	Ratio	Lower	Upper
88	100		
58	86.0	63.0	94.6

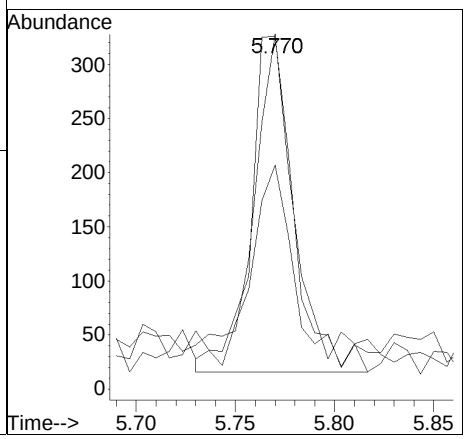


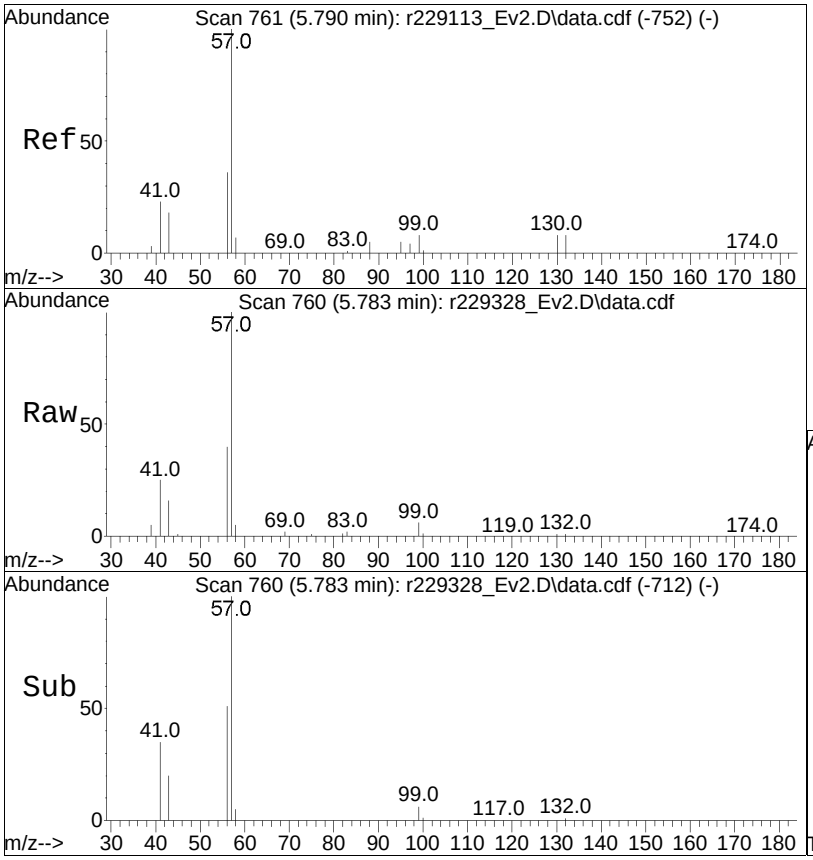


#44
trichloroethene
Concen: 0.01 ppbV
RT: 5.770 min Scan# 758
Delta R.T. -0.007 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion:130 Resp: 468

Ion	Ratio	Lower	Upper
130	100		
132	100.6	76.1	114.1
97	63.5	40.7	61.1#

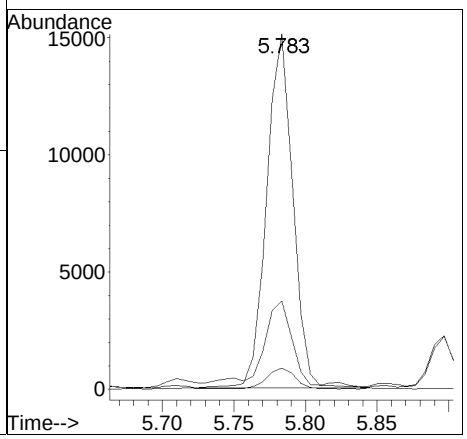


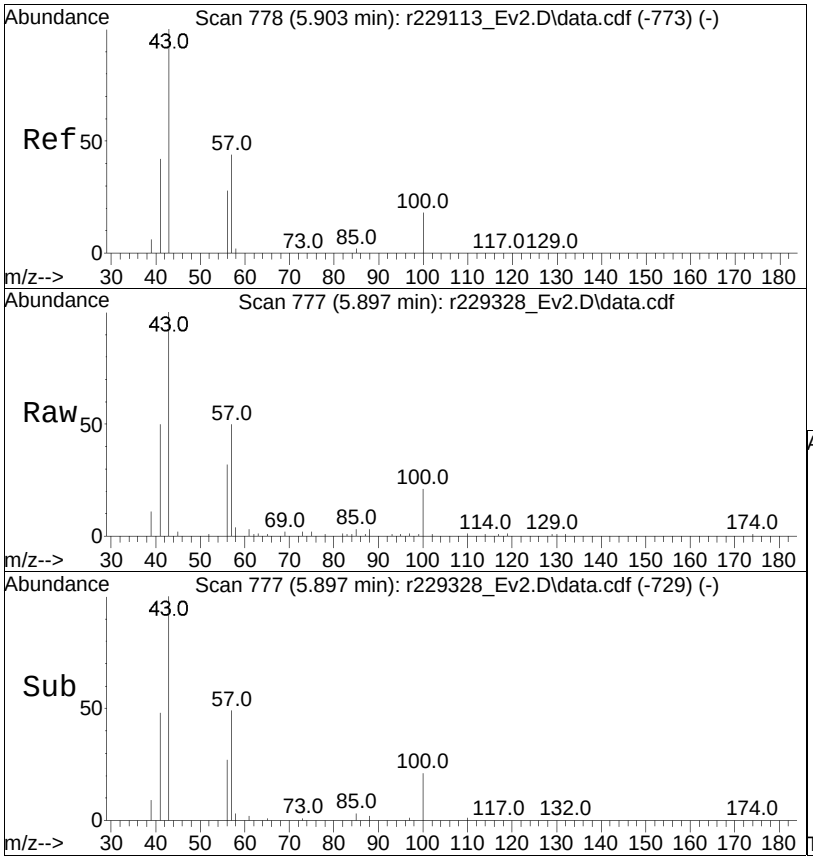


#45
2,2,4-trimethylpentane
Concen: 0.16 ppbV
RT: 5.783 min Scan# 760
Delta R.T. -0.007 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion: 57 Resp: 19232

Ion	Ratio	Lower	Upper
57	100		
99	6.0	6.0	9.0
41	24.9	18.6	28.0

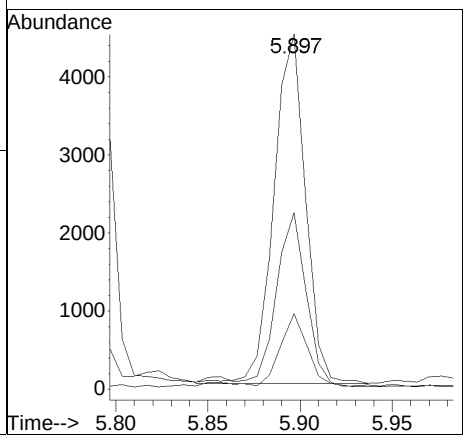


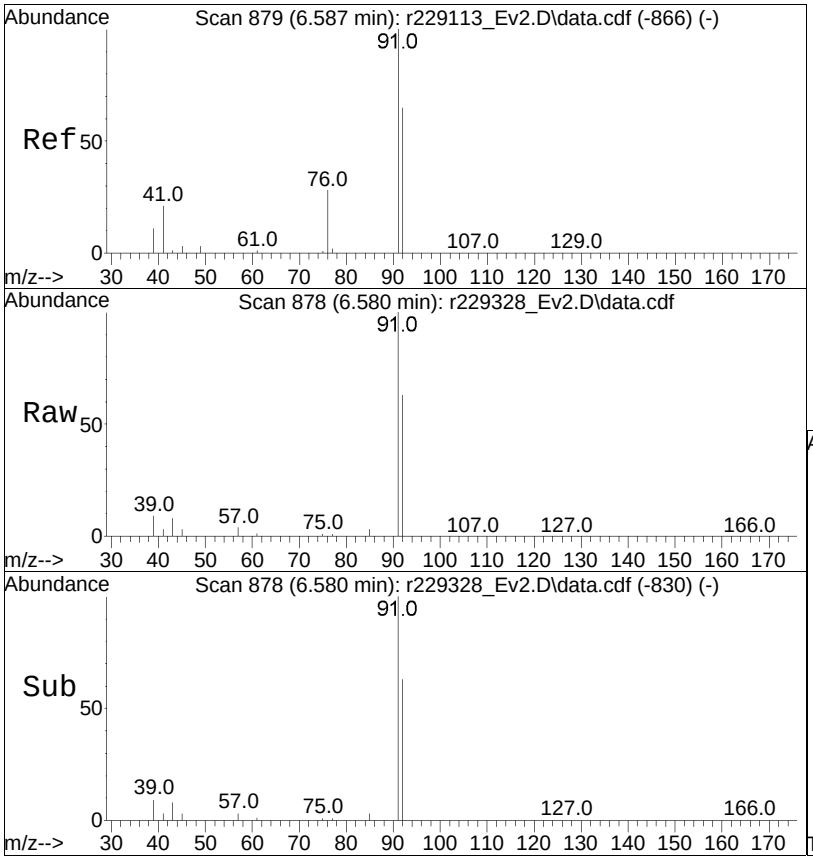


#46
heptane
Concen: 0.10 ppbV
RT: 5.897 min Scan# 777
Delta R.T. -0.007 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion: 43 Resp: 5346

Ion	Ratio	Lower	Upper
43	100		
57	49.7	35.6	53.4
100	21.3	16.6	24.8

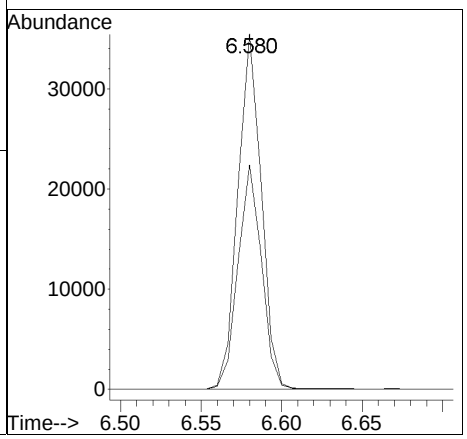


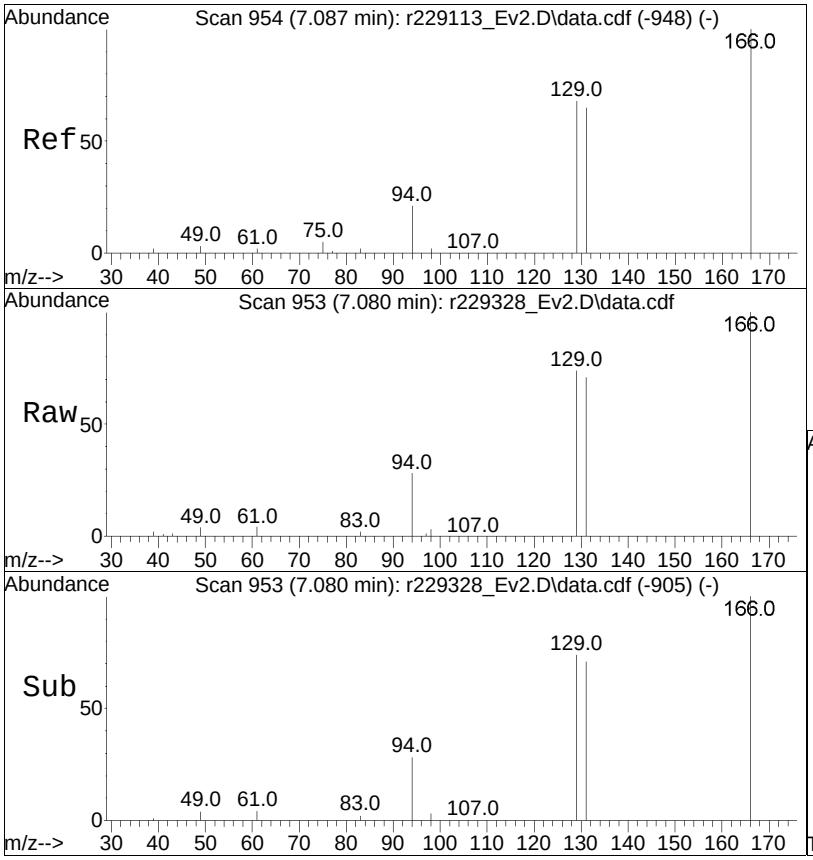


#52
toluene
Concen: 0.27 ppbV
RT: 6.580 min Scan# 878
Delta R.T. -0.007 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion: 91 Resp: 35886

Ion	Ratio	Lower	Upper
91	100		
92	63.2	52.2	78.2

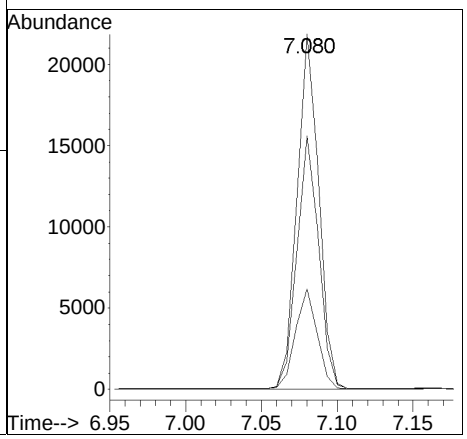


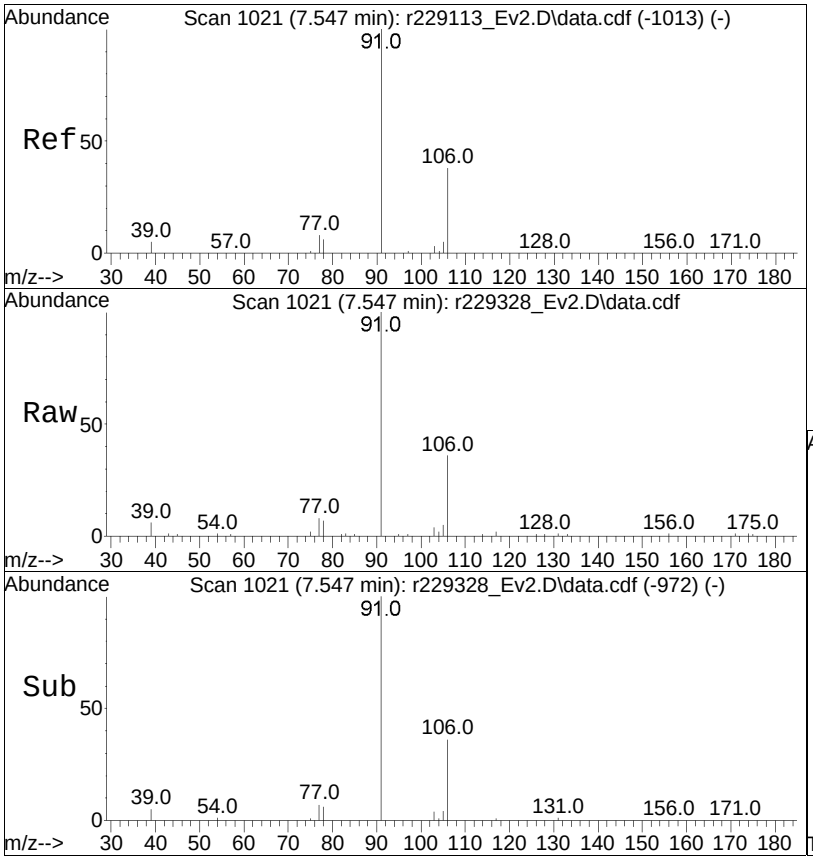


#57
tetrachloroethene
Concen: 0.34 ppbV
RT: 7.080 min Scan# 953
Delta R.T. -0.007 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion:166 Resp: 21882

Ion	Ratio	Lower	Upper
166	100		
131	71.3	51.9	77.9
94	28.3	16.6	24.8#

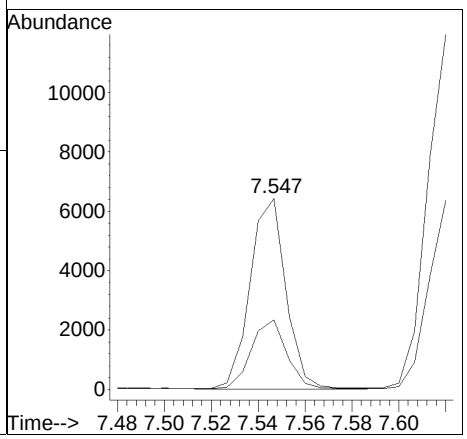


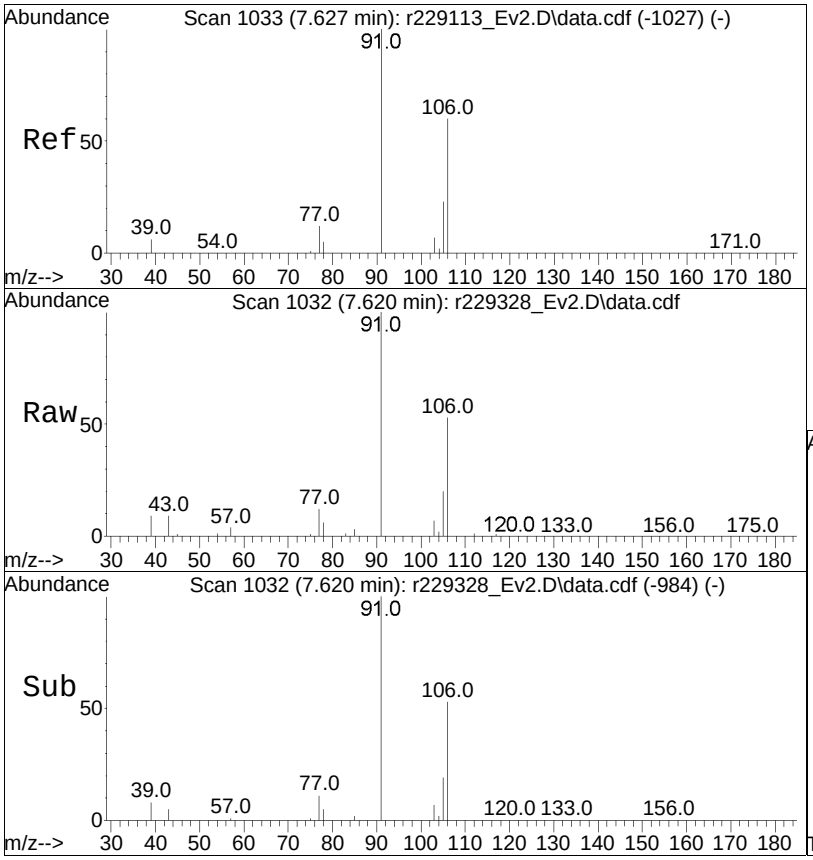


#60
ethylbenzene
Concen: 0.04 ppbV
RT: 7.547 min Scan# 1021
Delta R.T. 0.000 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion: 91 Resp: 6834

Ion	Ratio	Lower	Upper
91	100		
106	36.5	30.4	45.6

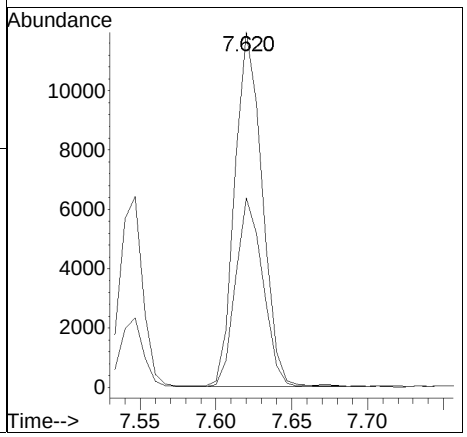


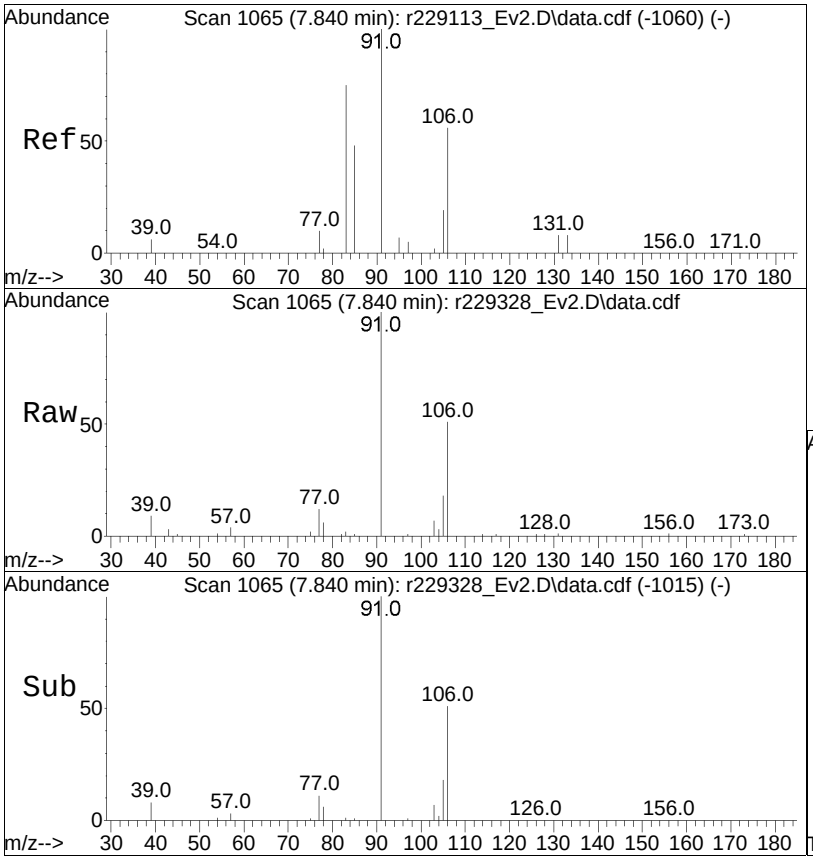


#61
m+p-xylene
Concen: 0.12 ppbV
RT: 7.620 min Scan# 1032
Delta R.T. -0.007 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion: 91 Resp: 15073

Ion	Ratio	Lower	Upper
91	100		
106	53.3	48.2	72.2

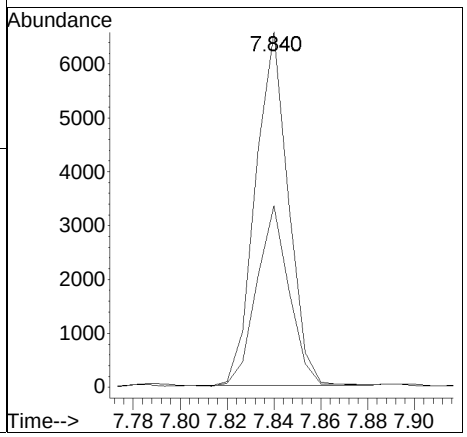


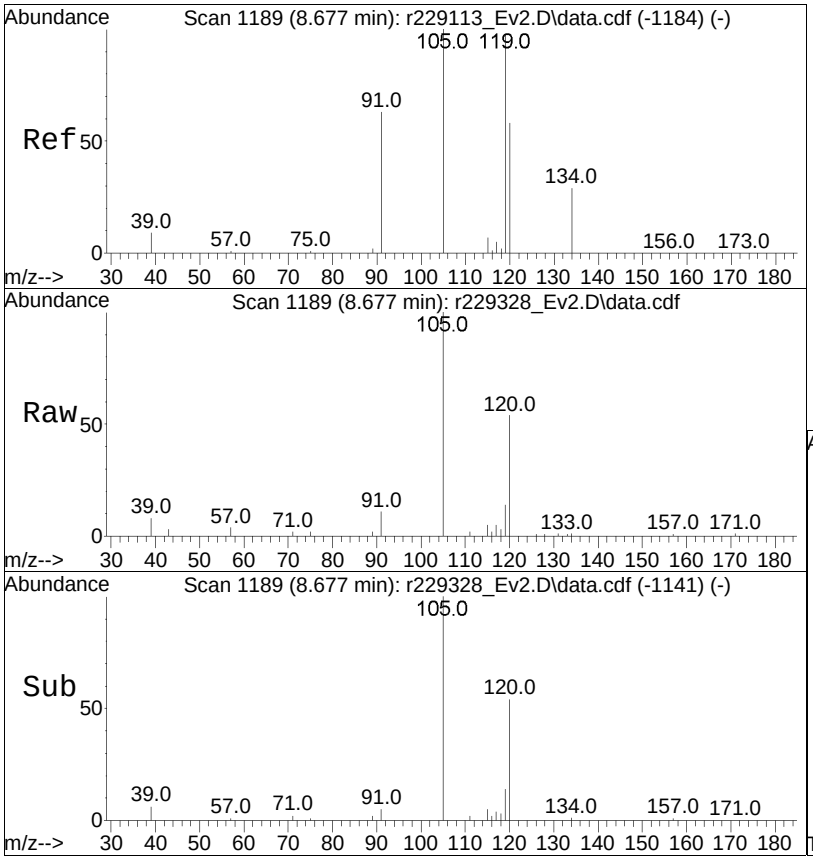


#65
o-xylene
Concen: 0.05 ppbV
RT: 7.840 min Scan# 1065
Delta R.T. 0.000 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion: 91 Resp: 6407

Ion	Ratio	Lower	Upper
91	100		
106	51.1	44.8	67.2

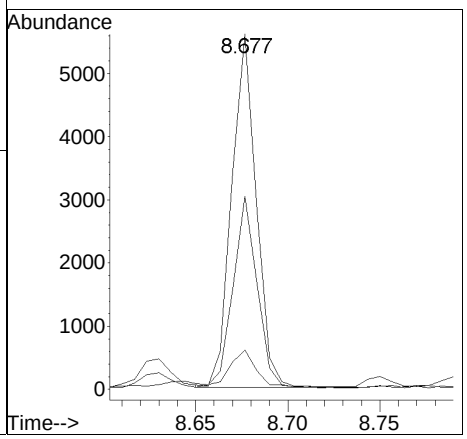


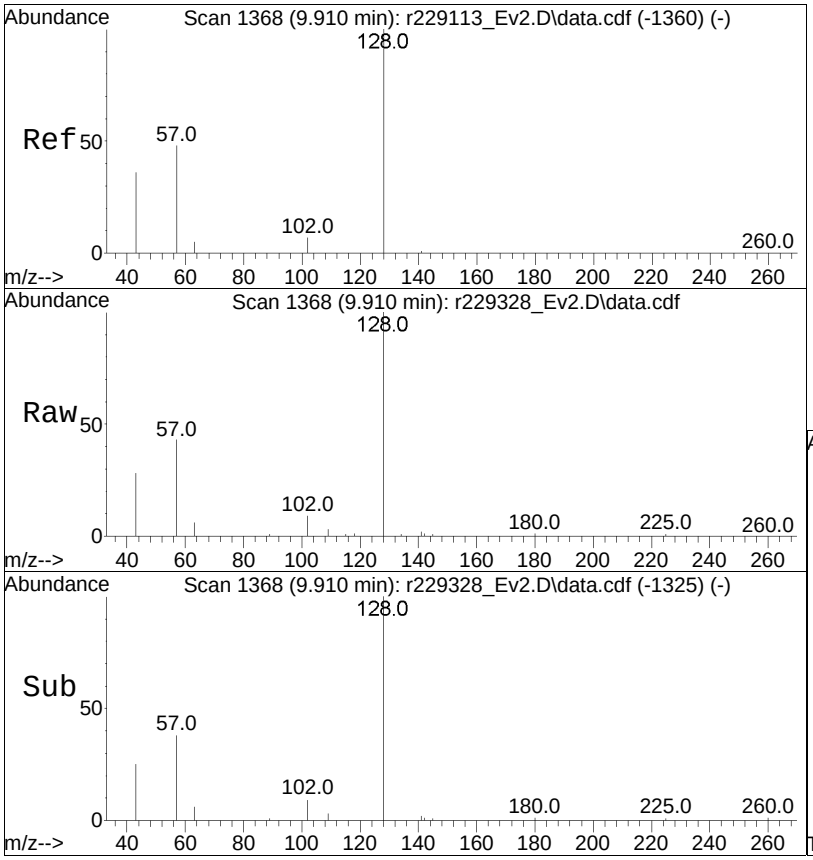


#73
1,2,4-trimethylbenzene
Concen: 0.03 ppbV
RT: 8.677 min Scan# 1189
Delta R.T. 0.000 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion:105 Resp: 5190

Ion	Ratio	Lower	Upper
105	100		
120	54.4	46.5	69.7
91	11.1	50.3	75.5#

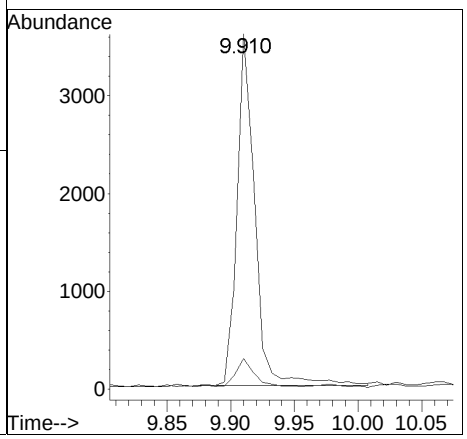




#83
naphthalene
Concen: 0.02 ppbV
RT: 9.910 min Scan# 1368
Delta R.T. 0.000 min
Lab File: r229328_Ev2.D
Acq: 19 Feb 2025 11:10 PM

Tgt Ion:128 Resp: 3528

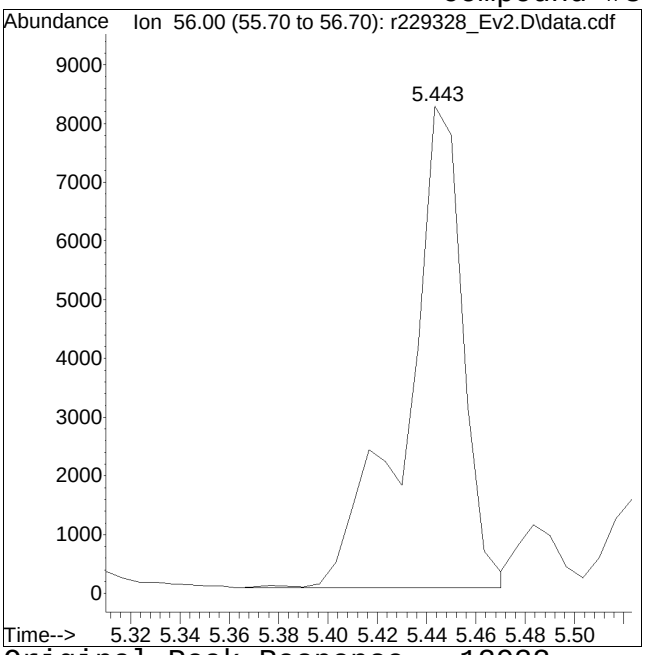
Ion	Ratio	Lower	Upper
128	100		
102	8.7	5.5	8.3#



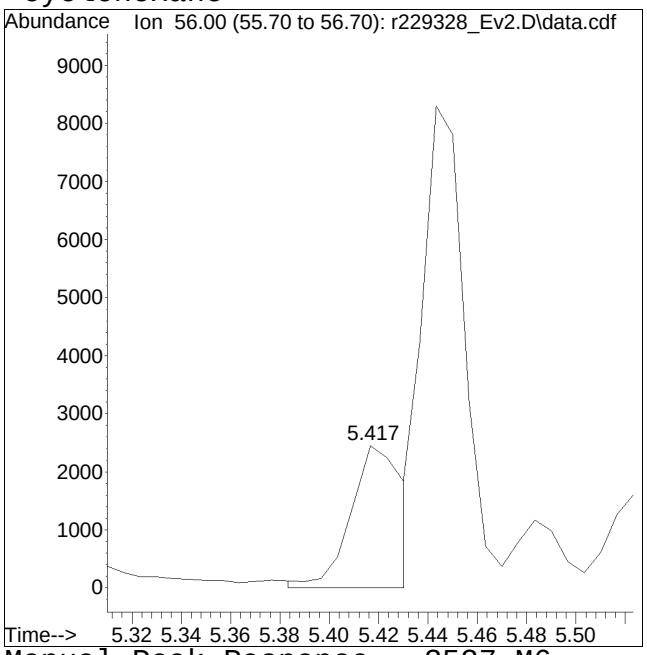
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab22\20QMethod : TSIM22_250206.M
Data File : r229328_Ev2.D Operator : AIRLAB22:TPH
Date Inj'd : 2/19/2025 11:10 PM Instrument :
Sample : L2506387-05,3,250,250 Quant Date : 2/20/2025 7:50 am

Compound #39: cyclohexane



Original Peak Response = 12932



Manual Peak Response = 3527 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229329_Ev2.D
Acq On : 19 Feb 2025 11:44 PM
Operator : AIRLAB22:TPH
Sample : L2506387-01,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 20 07:50:43 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0219SIM\r229324_Ev2.D
Sub List : NYDEC-SIM - .

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	4.563	49	311684	10.000	ppbV		0.00
Standard Area = 316137			Recovery = 98.59%				
33) 1,4-difluorobenzene	5.443	114	986197	10.000	ppbV		-0.01
Standard Area = 1013027			Recovery = 97.35%				
51) chlorobenzene-D5	7.360	54	128702	10.000	ppbV	#	0.00
Standard Area = 123842			Recovery = 103.92%				
System Monitoring Compounds							
Target Compounds							Qvalue
3) dichlorodifluoromethane	2.515	85	23536	0.667	ppbV		99
4) chloromethane	2.590	50	10463	0.518	ppbV		96
5) Freon-114	2.635	85	935	0.023	ppbV		95
6) vinyl chloride	2.685	62	2001	0.090	ppbV		100
8) bromomethane	2.860	94	412	0.023	ppbV		87
9) chloroethane	2.935	64	178	0.015	ppbV	#	51
10) ethanol	2.977	31	438951	34.993	ppbV		95
14) trichlorofluoromethane	3.265	101	8189	0.344	ppbV		98
17) 1,1-dichloroethene	3.545	61	585	0.018	ppbV	#	90
18) tertiary butyl alcohol	0.000		0	N.D.	d		
19) methylene chloride	3.595	49	11371	0.404	ppbV		92
22) Freon 113	3.720	101	3305	0.067	ppbV		95
23) trans-1,2-dichloroethene	4.020	61	26826	0.834	ppbV		92
24) 1,1-dichloroethane	4.107		0	N.D.			
25) MTBE	4.153		0	N.D.			
27) 2-butanone	4.290	43	79771	1.407	ppbV	#	99
28) cis-1,2-dichloroethene	4.490	61	123506	3.674	ppbV		94
30) chloroform	4.623	83	1469	0.038	ppbV		98
32) 1,2-dichloroethane	4.963	62	4432	0.213	ppbV	#	90
34) hexane	4.583	57	19147	0.512	ppbV	#	6
36) 1,1,1-trichloroethane	5.083	97	4990	0.150	ppbV		98
37) benzene	5.290	78	26806	0.292	ppbV		99
38) carbon tetrachloride	5.363	117	2700	0.105	ppbV	#	96
39) cyclohexane	5.417	56	7382	0.162	ppbV		96
41) 1,2-dichloropropane	5.663		0	N.D.			
42) bromodichloromethane	0.000		0	N.D.	d		
43) 1,4-dioxane	5.817	88	1358	0.066	ppbV		92
44) trichloroethene	5.763	130	316486	7.521	ppbV		97

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229329_Ev2.D
Acq On : 19 Feb 2025 11:44 PM
Operator : AIRLAB22:TPH
Sample : L2506387-01,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 20 07:50:43 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0219SIM\r229324_Ev2.D
Sub List : NYDEC-SIM - .

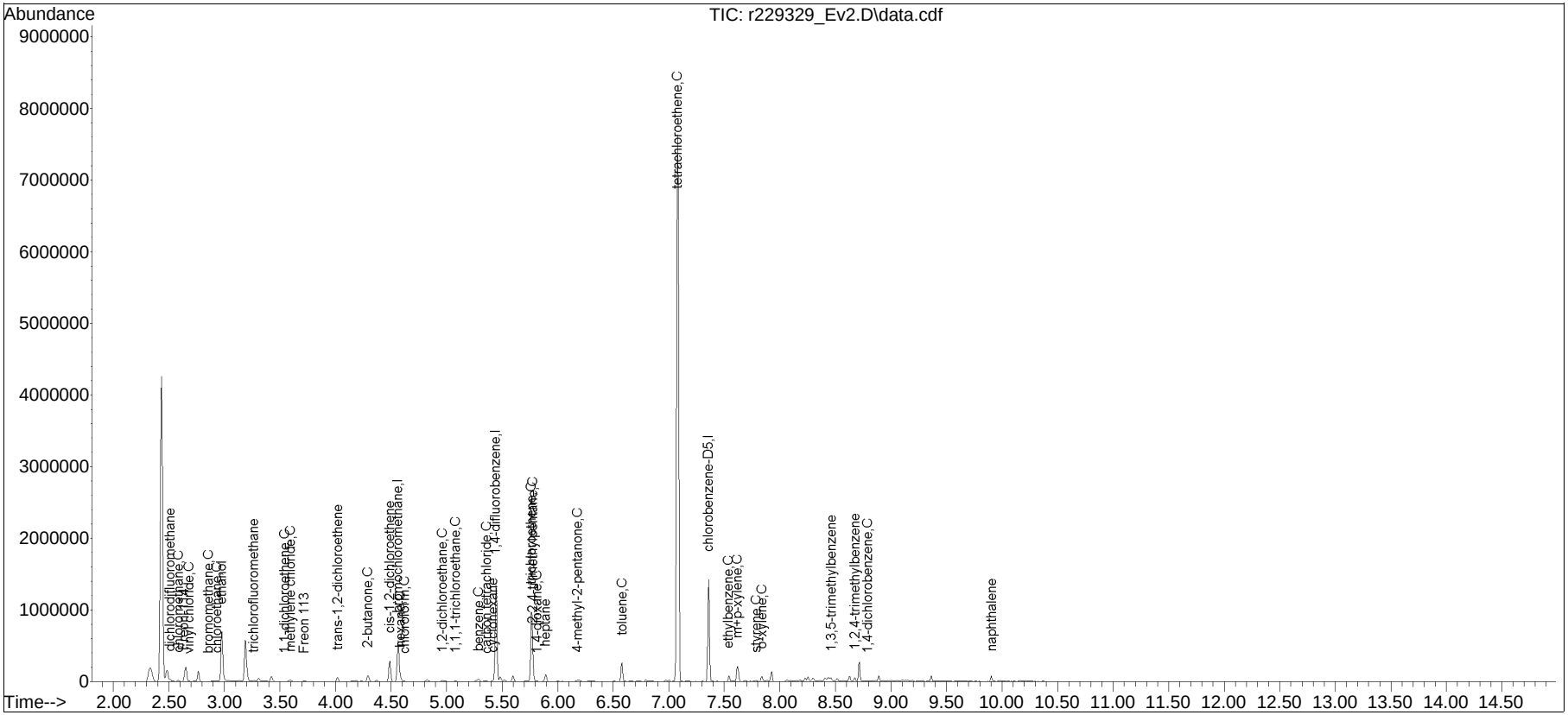
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 2,2,4-trimethylpentane	5.777	57	42077	0.349	ppbV #	76
46) heptane	5.890	43	46851	0.864	ppbV	91
47) cis-1,3-dichloropropene	0.000		0	N.D.		
48) 4-methyl-2-pentanone	6.180	43	8182	0.130	ppbV	91
49) trans-1,3-dichloropropene	0.000		0	N.D.		
50) 1,1,2-trichloroethane	6.487		0	N.D.		
52) toluene	6.580	91	150062	1.106	ppbV	99
55) dibromochloromethane	0.000		0	N.D.		
56) 1,2-dibromoethane	0.000		0	N.D.		
57) tetrachloroethene	7.080	166	3781409	57.831	ppbV	97
59) chlorobenzene	7.387		0	N.D.		
60) ethylbenzene	7.540	91	49689	0.301	ppbV	93
61) m+p-xylene	7.620	91	125705	0.967	ppbV	91
62) bromoform	7.660		0	N.D.		
63) styrene	7.787	104	3995	0.033	ppbV #	90
64) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	d	
65) o-xylene	7.840	91	35070	0.269	ppbV	95
71) 1,3,5-trimethylbenzene	8.467	105	6764	0.043	ppbV #	98
73) 1,2,4-trimethylbenzene	8.677	105	23303	0.151	ppbV #	63
74) Benzyl Chloride	0.000		0	N.D.	d	
75) 1,3-dichlorobenzene	8.757		0	N.D.		
76) 1,4-dichlorobenzene	8.790	146	1967	0.016	ppbV #	56
79) 1,2-dichlorobenzene	8.970		0	N.D.		
82) 1,2,4-trichlorobenzene	9.850		0	N.D.		
83) naphthalene	9.910	128	7498	0.032	ppbV	97
85) hexachlorobutadiene	10.090		0	N.D.		

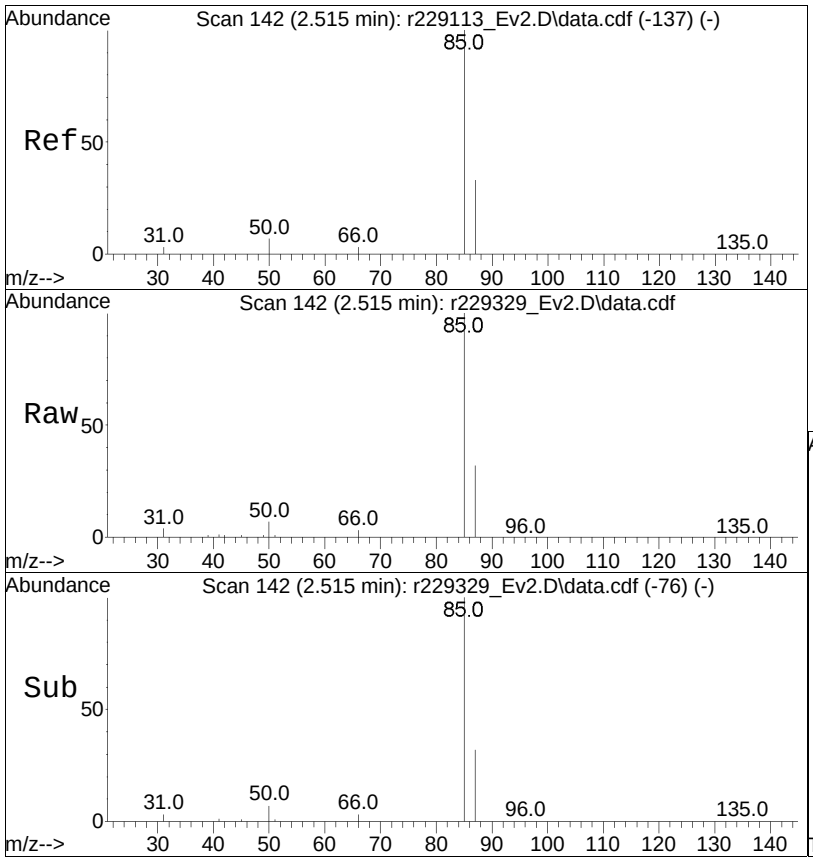
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : NYDEC-SIM - .a\Airlab22\2025\02\0219SIM\r229324_Ev2.D

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229329_Ev2.D
Acq On : 19 Feb 2025 11:44 PM
Operator : AIRLAB22:TPH
Sample : L2506387-01,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 20 07:50:43 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

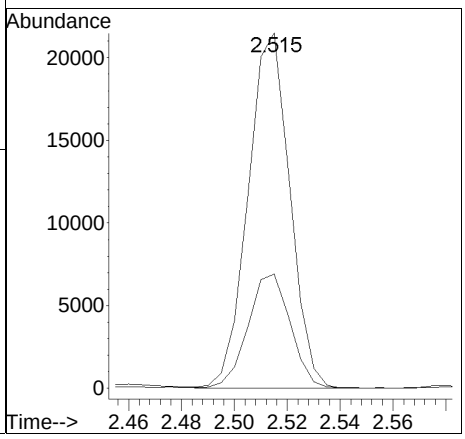


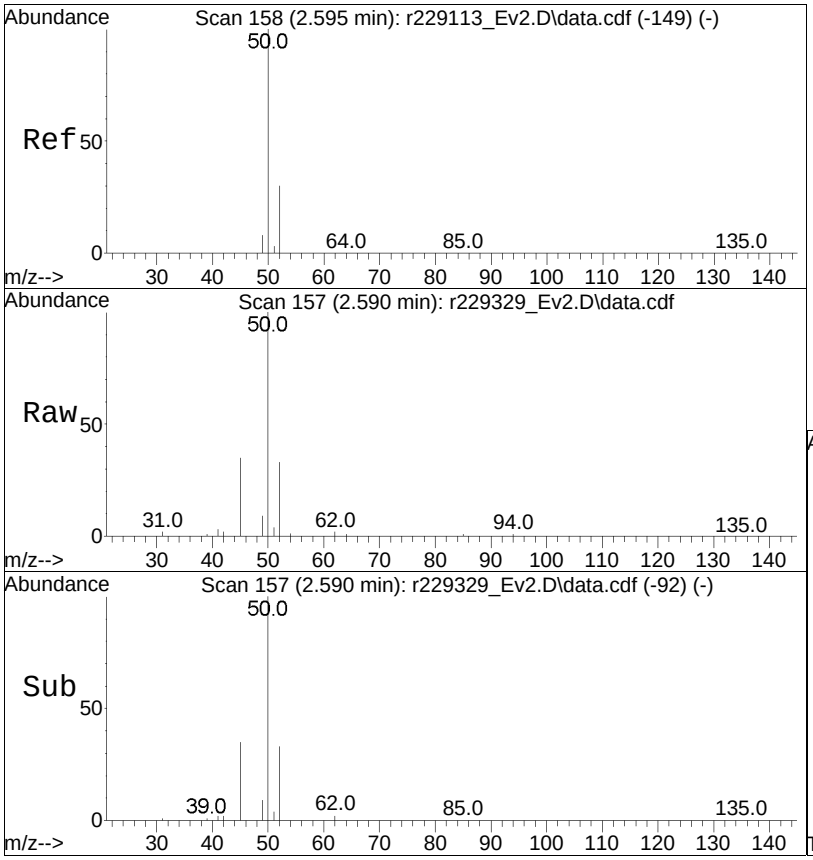


#3
dichlorodifluoromethane
Concen: 0.67 ppbV
RT: 2.515 min Scan# 142
Delta R.T. 0.000 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion: 85 Resp: 23536

Ion	Ratio	Lower	Upper
85	100		
87	32.2	26.2	39.2

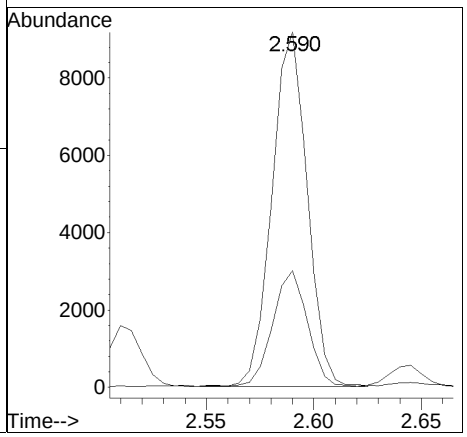


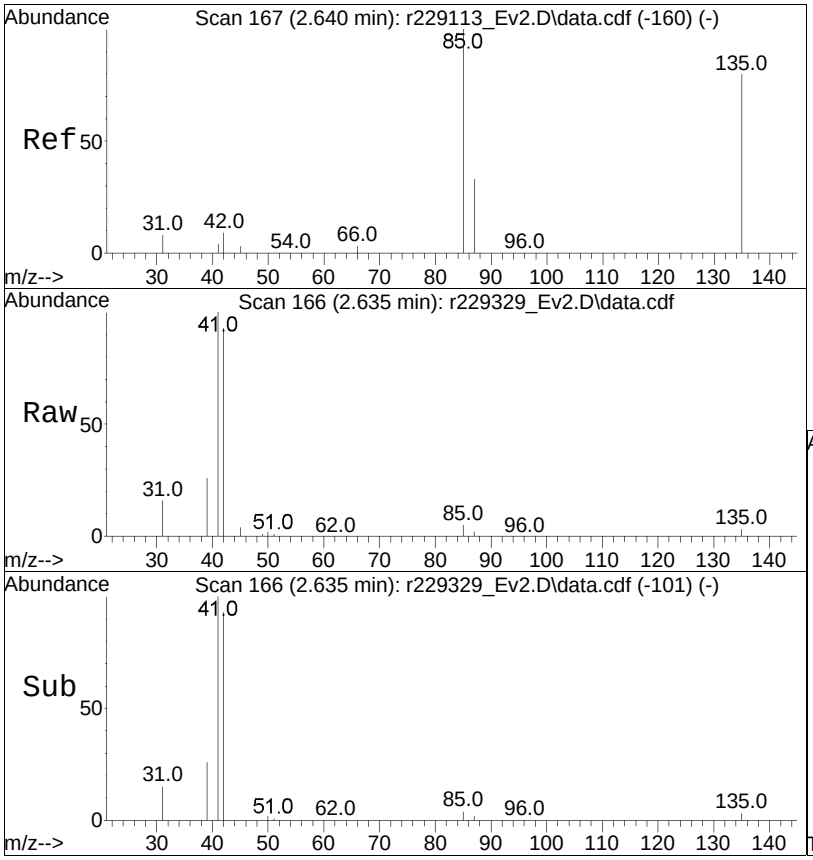


#4
chloromethane
Concen: 0.52 ppbV
RT: 2.590 min Scan# 157
Delta R.T. -0.005 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion: 50 Resp: 10463

Ion	Ratio	Lower	Upper
50	100		
52	32.9	24.3	36.5

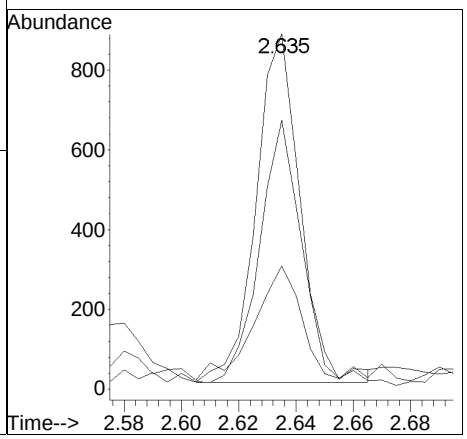


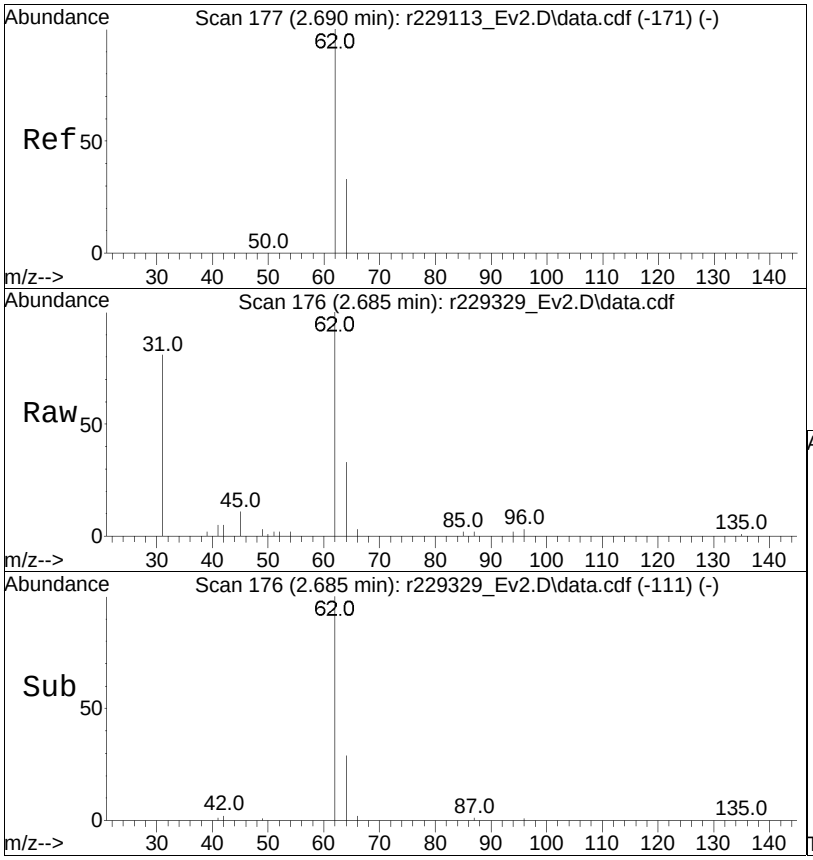


#5
Freon-114
Concen: 0.02 ppbV
RT: 2.635 min Scan# 166
Delta R.T. -0.005 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion: 85 Resp: 935

Ion	Ratio	Lower	Upper
85	100		
87	34.7	26.0	39.0
135	75.7	64.2	96.2

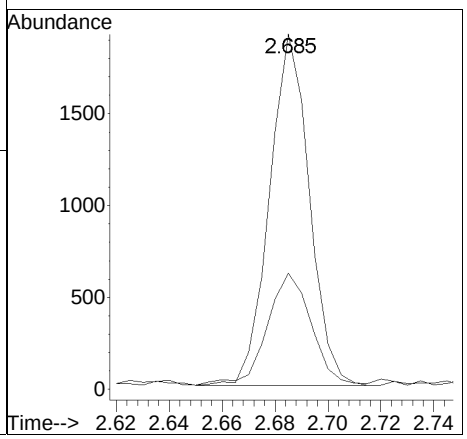


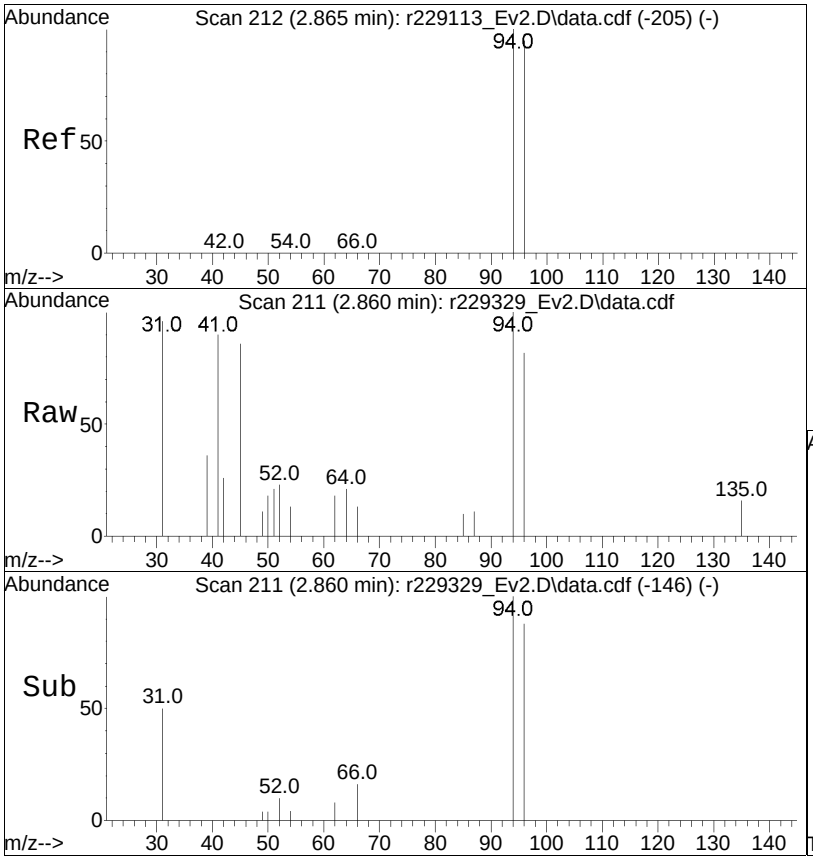


#6
vinyl chloride
Concen: 0.09 ppbV
RT: 2.685 min Scan# 176
Delta R.T. -0.005 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion: 62 Resp: 2001

Ion	Ratio	Lower	Upper
62	100		
64	32.7	26.0	39.0

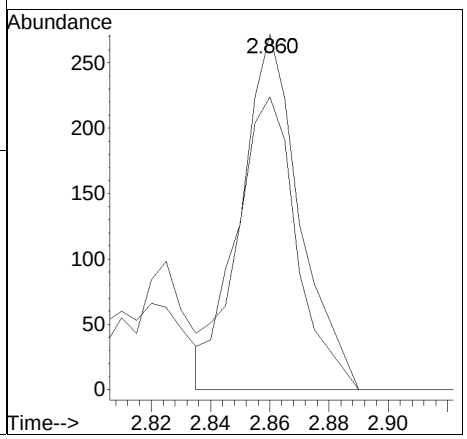


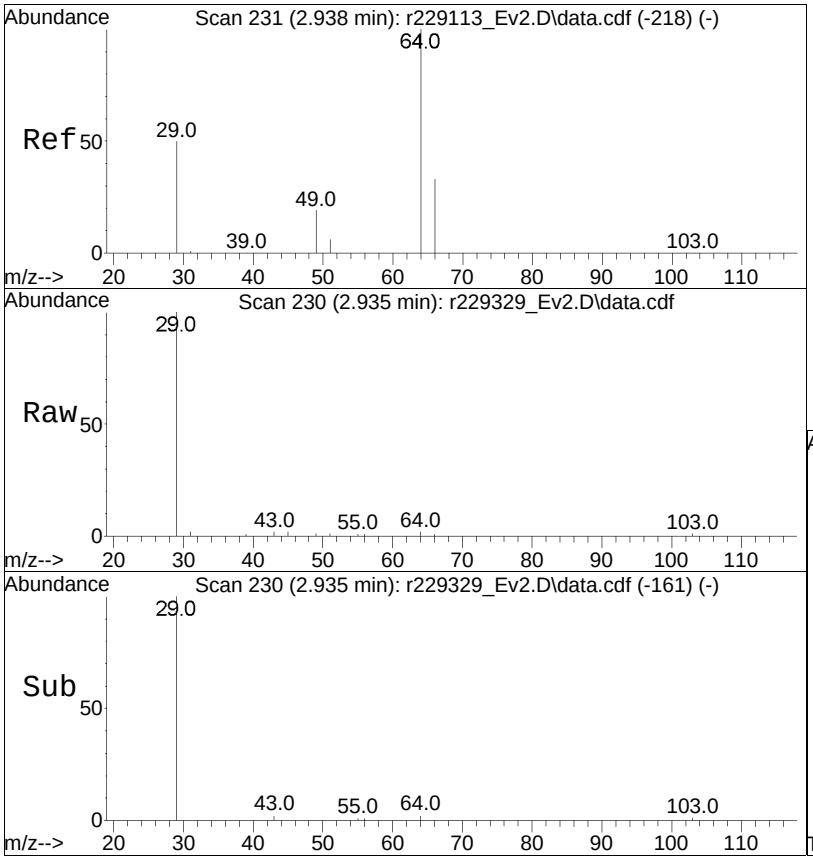


#8
bromomethane
Concen: 0.02 ppbV
RT: 2.860 min Scan# 211
Delta R.T. -0.005 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion: 94 Resp: 412

Ion	Ratio	Lower	Upper
94	100		
96	82.4	76.2	114.4

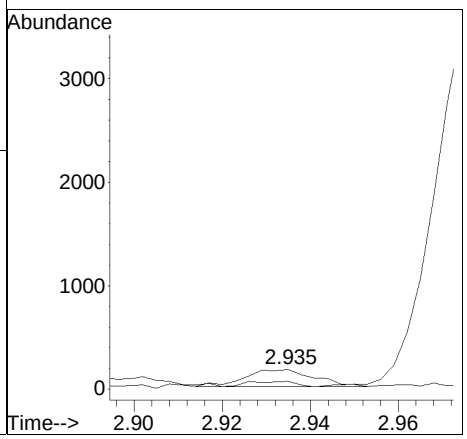


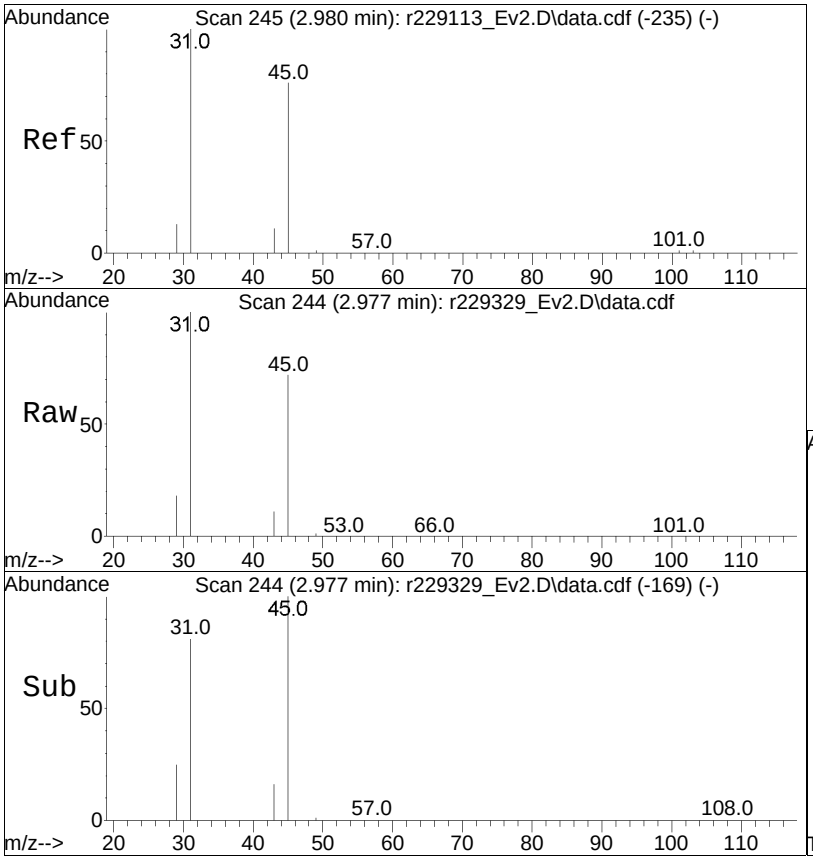


#9
chloroethane
Concen: 0.02 ppbV
RT: 2.935 min Scan# 230
Delta R.T. -0.003 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion: 64 Resp: 178

Ion	Ratio	Lower	Upper
64	100		
49	40.6	15.0	22.4#

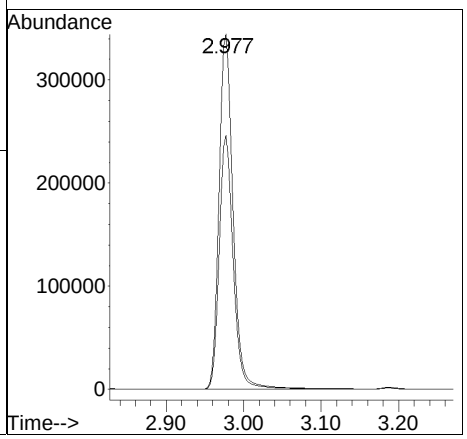


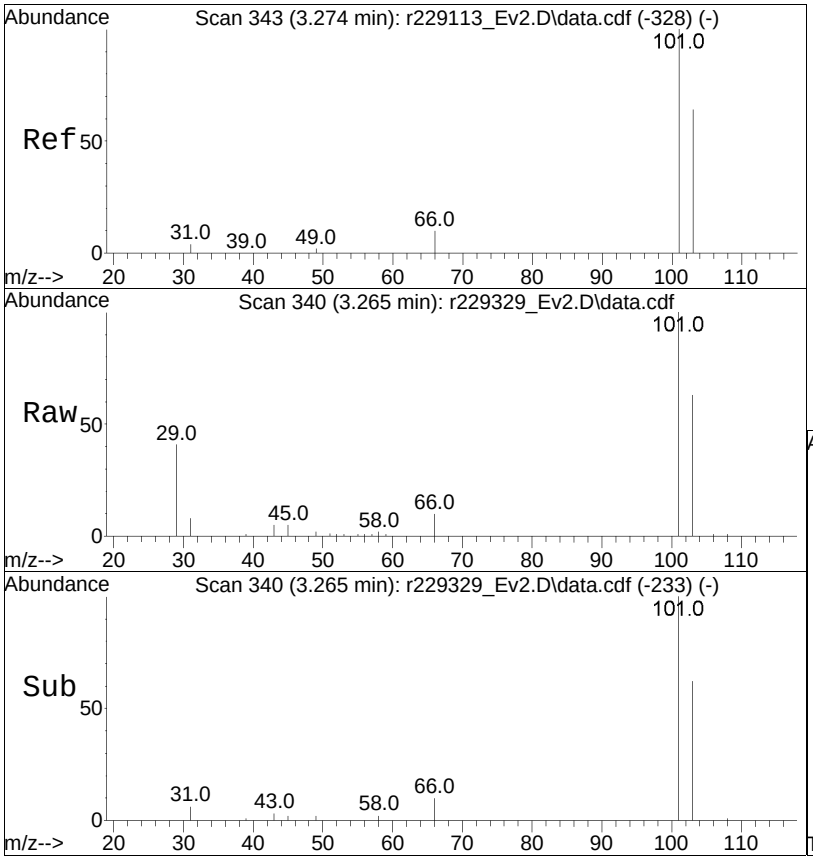


#10
ethanol
Concen: 34.99 ppbV
RT: 2.977 min Scan# 244
Delta R.T. -0.003 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion: 31 Resp: 438951

Ion	Ratio	Lower	Upper
31	100		
45	71.6	60.7	91.1

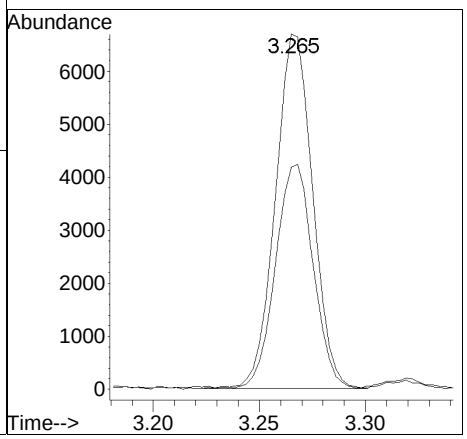


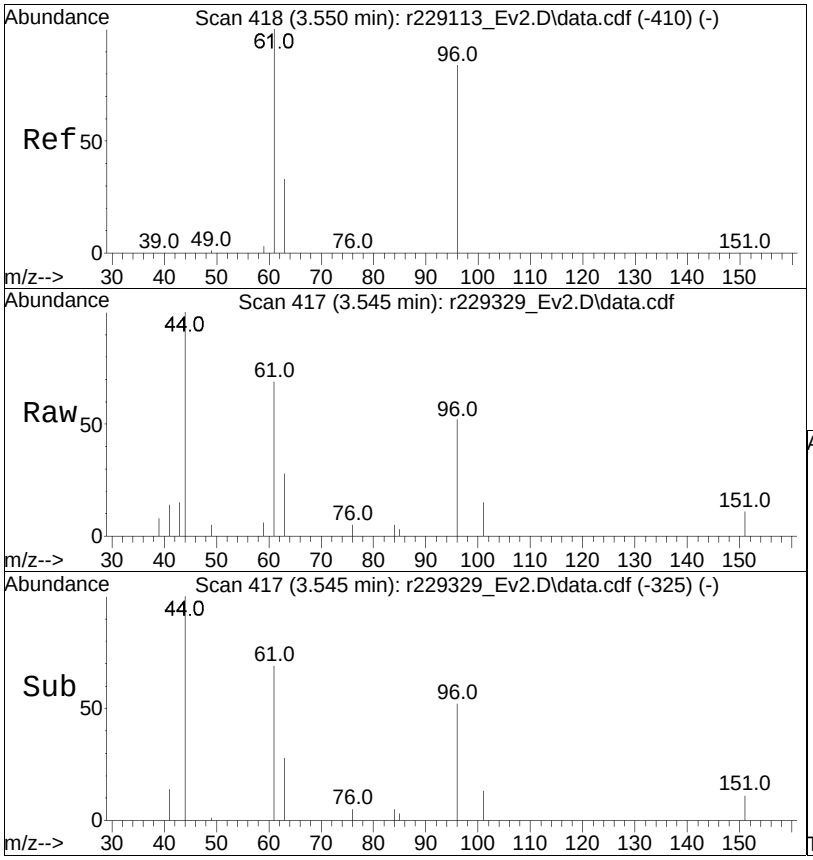


#14
trichlorofluoromethane
Concen: 0.34 ppbV
RT: 3.265 min Scan# 340
Delta R.T. -0.009 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion:101 Resp: 8189

Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.5	77.3

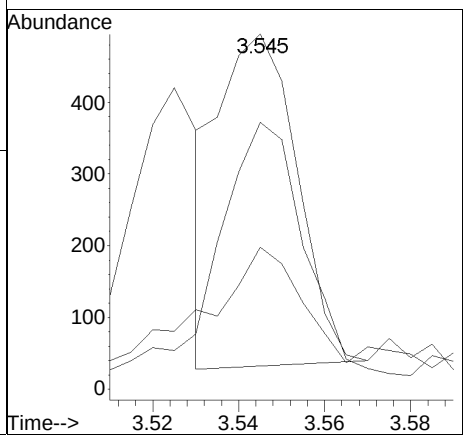


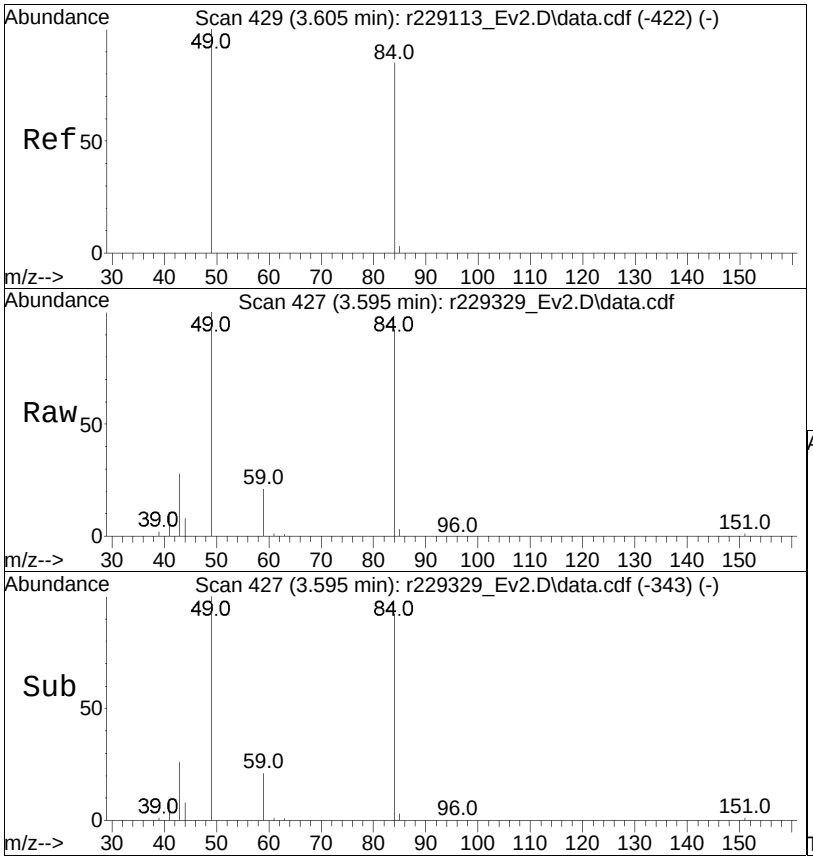


#17
1,1-dichloroethene
Concen: 0.02 ppbV
RT: 3.545 min Scan# 417
Delta R.T. -0.005 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion: 61 Resp: 585

Ion	Ratio	Lower	Upper
61	100		
96	75.2	66.9	100.3
63	40.0	26.1	39.1#

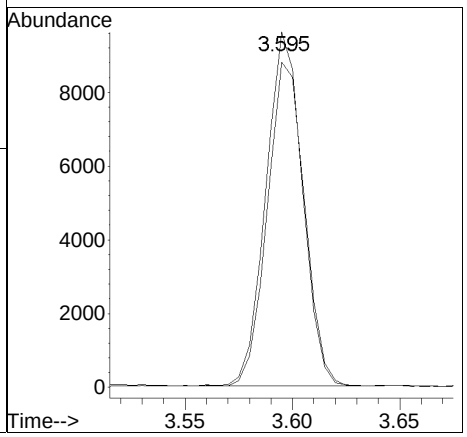


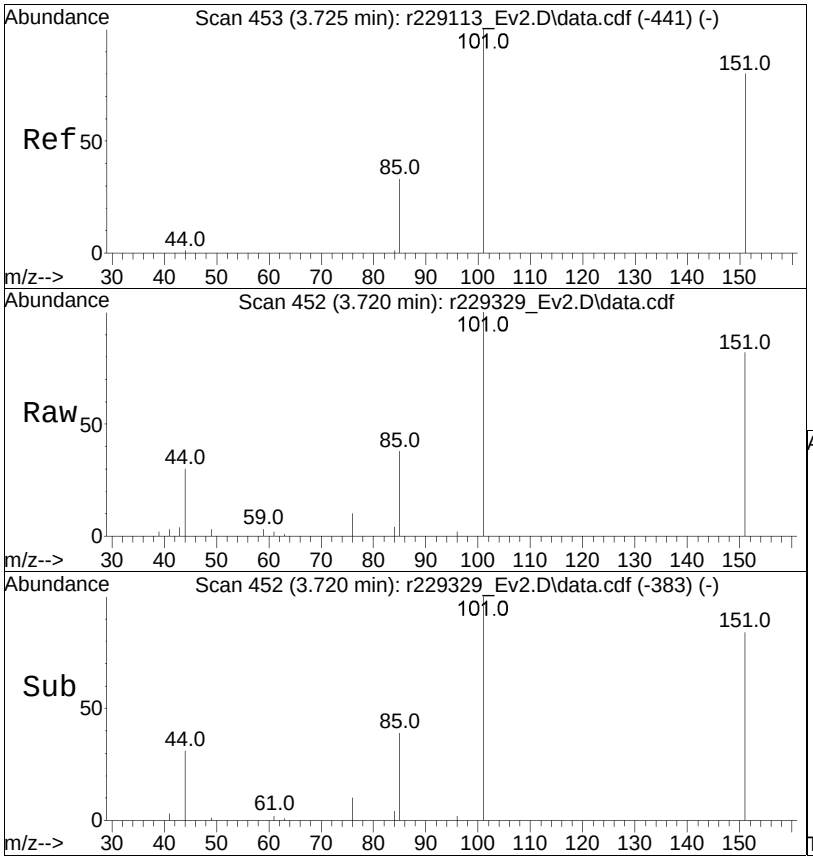


#19
methylene chloride
Concen: 0.40 ppbV
RT: 3.595 min Scan# 427
Delta R.T. -0.010 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion: 49 Resp: 11371

Ion	Ratio	Lower	Upper
49	100		
84	91.6	67.6	101.4

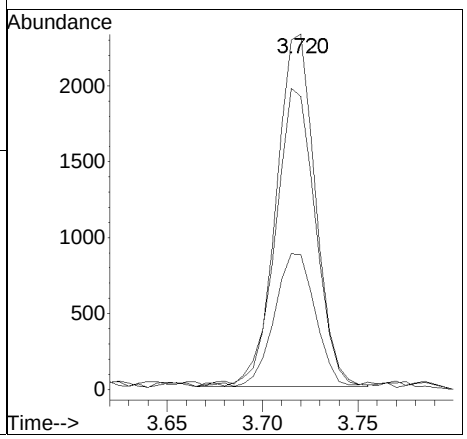


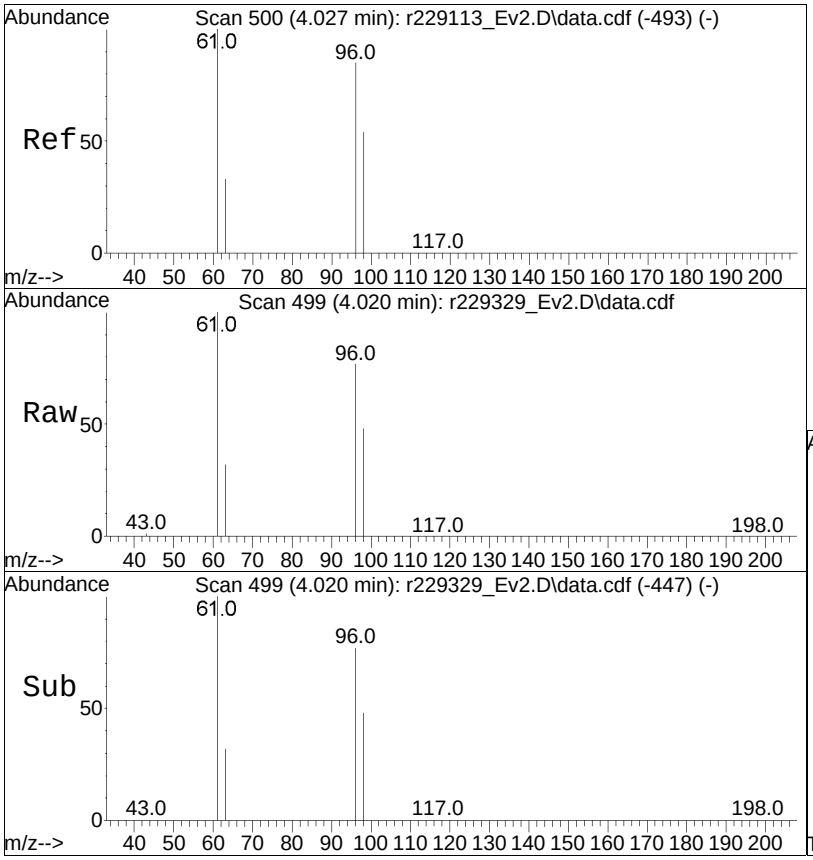


#22
Freon 113
Concen: 0.07 ppbV
RT: 3.720 min Scan# 452
Delta R.T. -0.005 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion:101 Resp: 3305

Ion	Ratio	Lower	Upper
101	100		
85	37.9	26.1	39.1
151	82.4	64.0	96.0

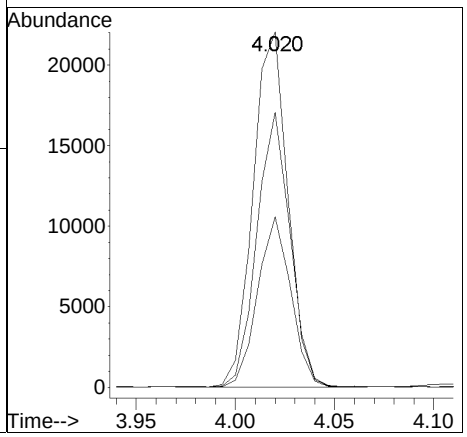


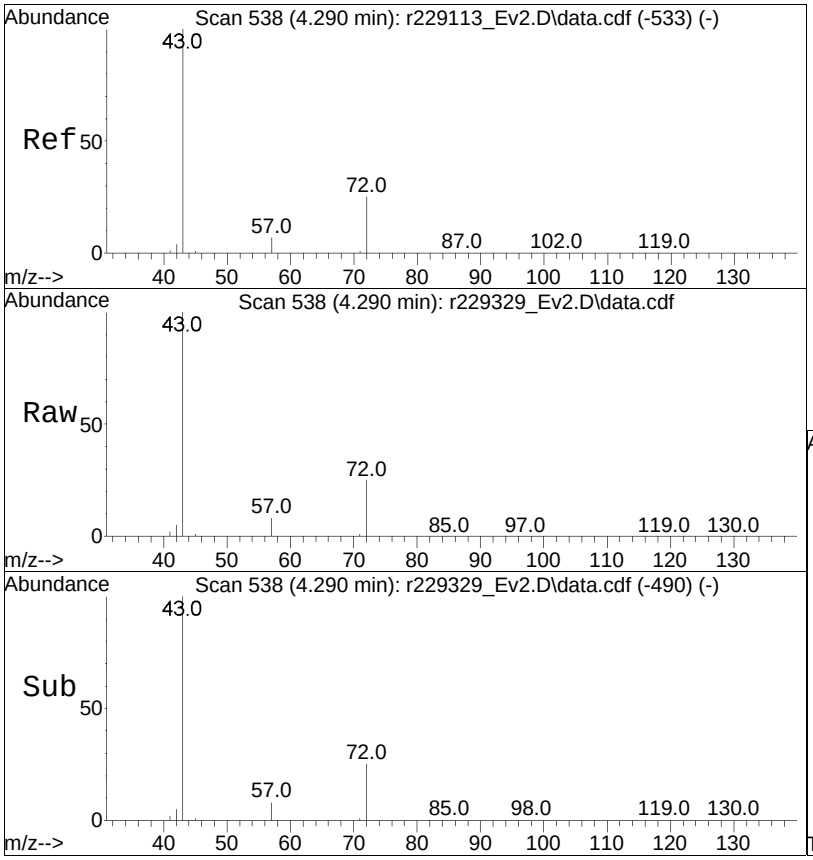


#23
trans-1,2-dichloroethene
Concen: 0.83 ppbV
RT: 4.020 min Scan# 499
Delta R.T. -0.007 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion: 61 Resp: 26826

Ion	Ratio	Lower	Upper
61	100		
96	77.4	68.3	102.5
98	48.0	43.0	64.4

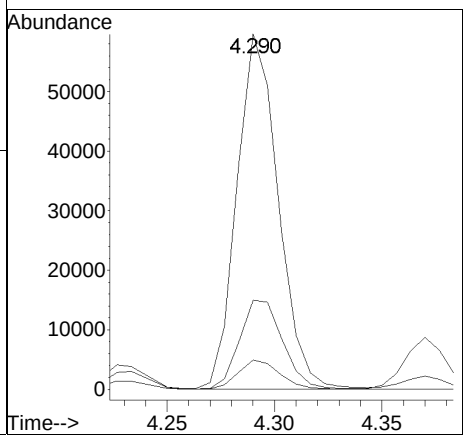


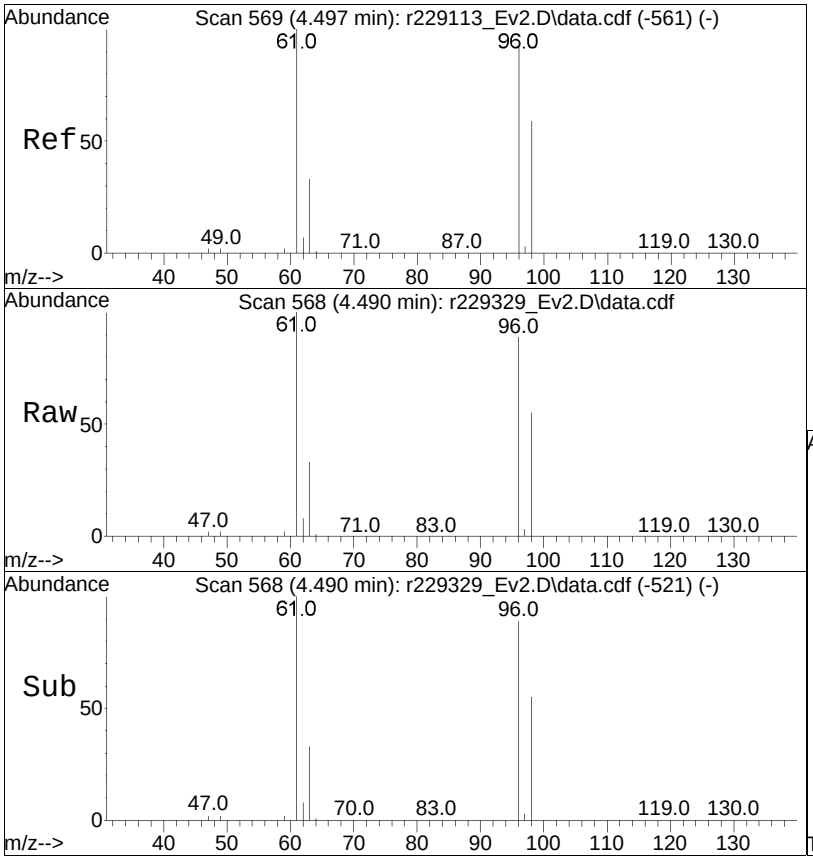


#27
2-butanone
Concen: 1.41 ppbV
RT: 4.290 min Scan# 538
Delta R.T. 0.000 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion: 43 Resp: 79771

Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.2	30.4
57	8.3	5.4	8.0#

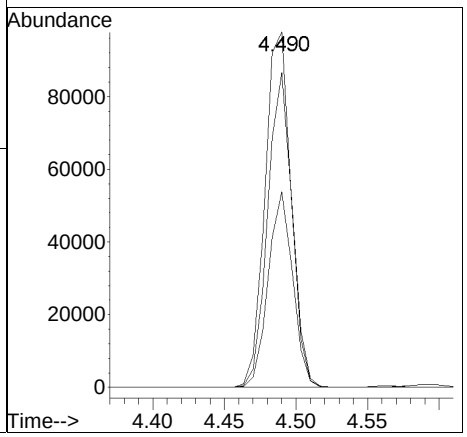


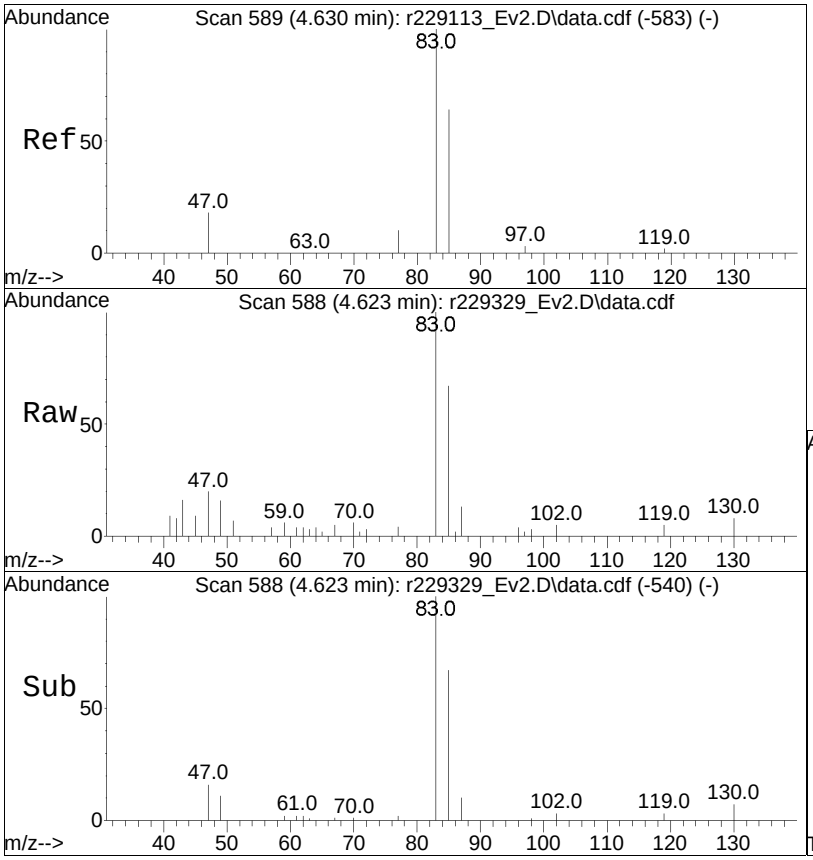


#28
cis-1,2-dichloroethene
Concen: 3.67 ppbV
RT: 4.490 min Scan# 568
Delta R.T. -0.007 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion: 61 Resp: 123506

Ion	Ratio	Lower	Upper
61	100		
96	88.5	75.9	113.9
98	55.0	47.6	71.4

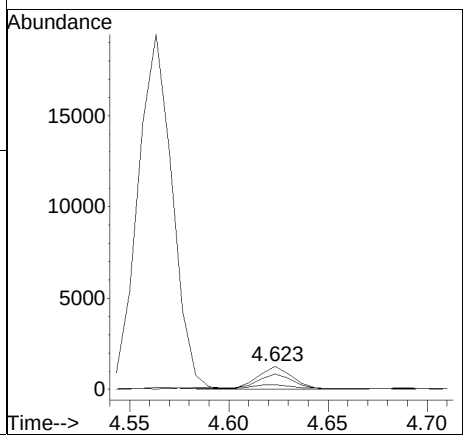


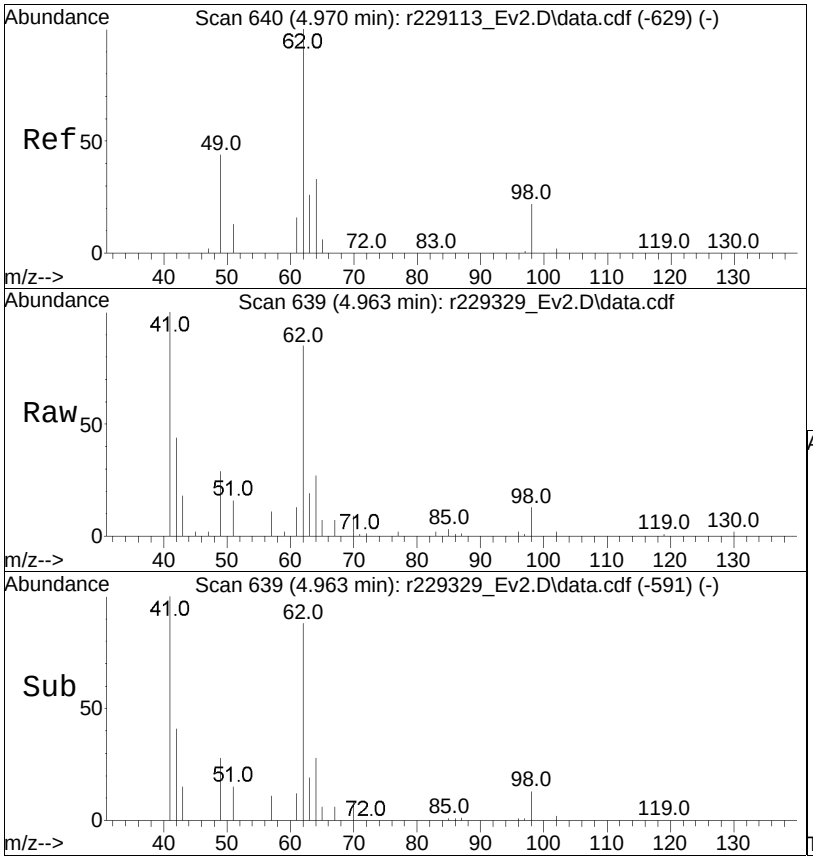


#30
chloroform
Concen: 0.04 ppbV
RT: 4.623 min Scan# 588
Delta R.T. -0.007 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion: 83 Resp: 1469

Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.8	77.6
47	20.2	16.1	24.1

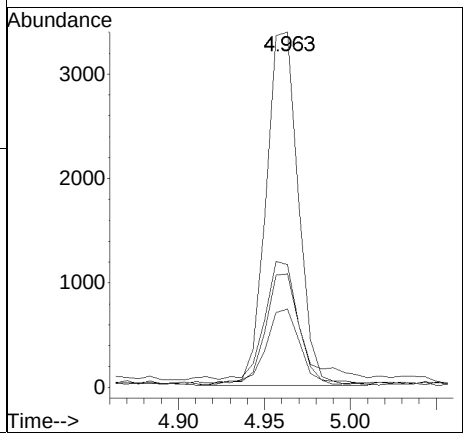


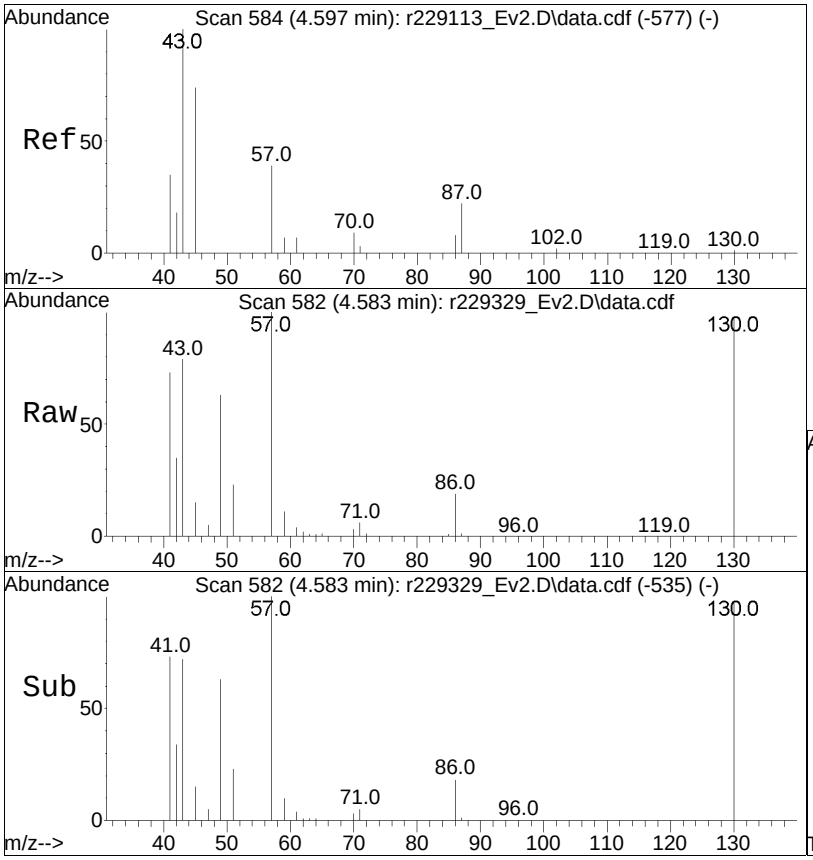


#32
1,2-dichloroethane
Concen: 0.21 ppbV
RT: 4.963 min Scan# 639
Delta R.T. -0.007 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion: 62 Resp: 4432

Ion	Ratio	Lower	Upper
62	100		
64	32.0	26.8	40.2
49	34.6	35.7	53.5#
63	22.0	21.0	31.6

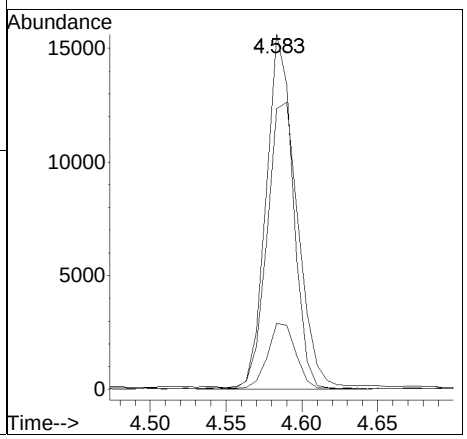


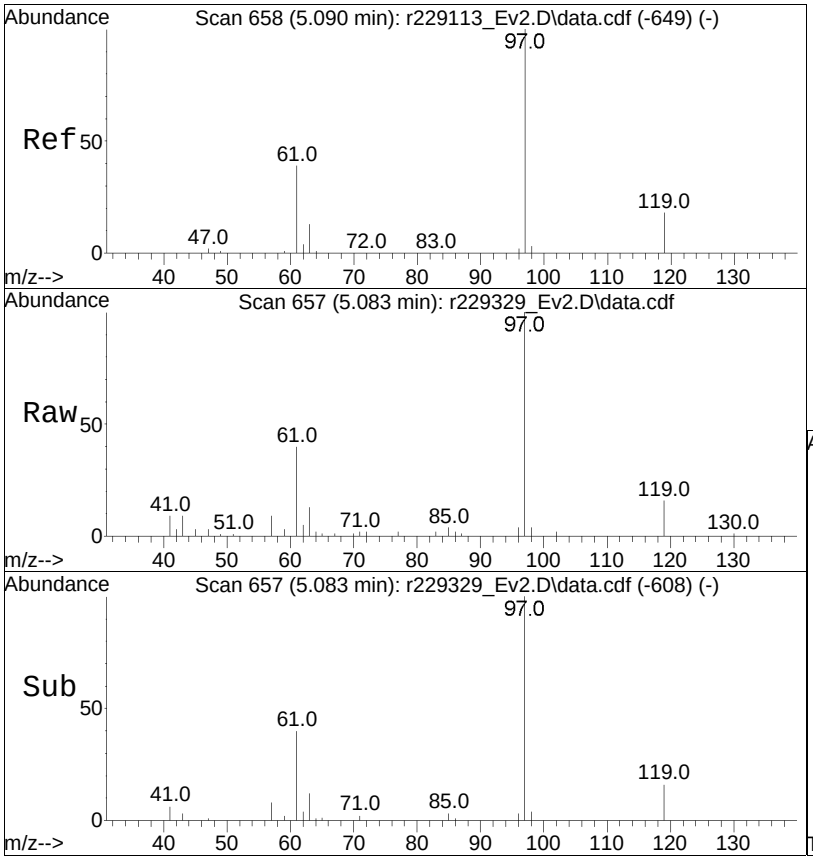


#34
hexane
Concen: 0.51 ppbV
RT: 4.583 min Scan# 582
Delta R.T. -0.013 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion: 57 Resp: 19147

Ion	Ratio	Lower	Upper
57	100		
43	79.0	207.8	311.8#
86	18.6	17.5	26.3

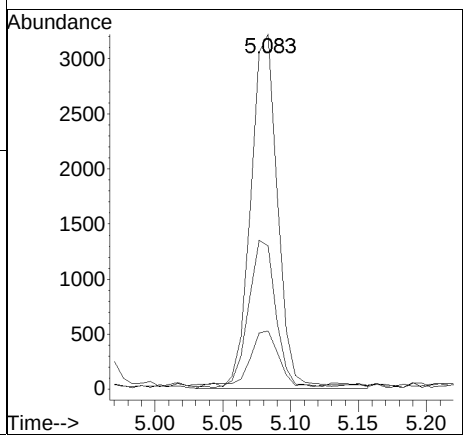


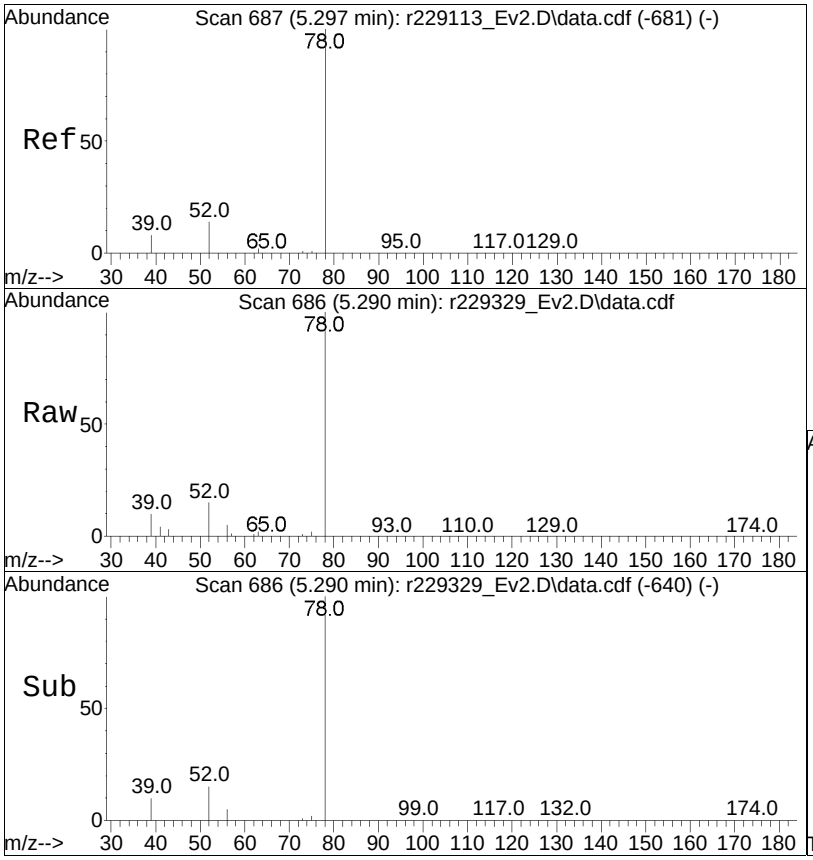


#36
1,1,1-trichloroethane
Concen: 0.15 ppbV
RT: 5.083 min Scan# 657
Delta R.T. -0.007 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion: 97 Resp: 4990

Ion	Ratio	Lower	Upper
97	100		
61	40.4	31.5	47.3
119	16.5	14.2	21.4

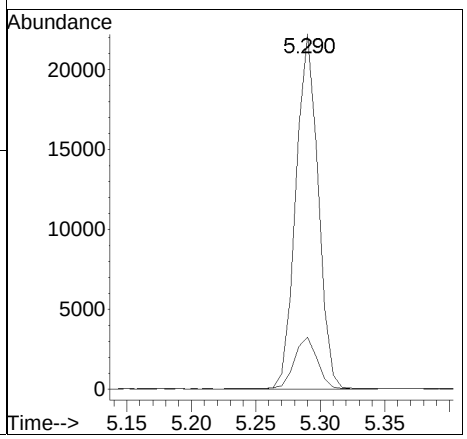


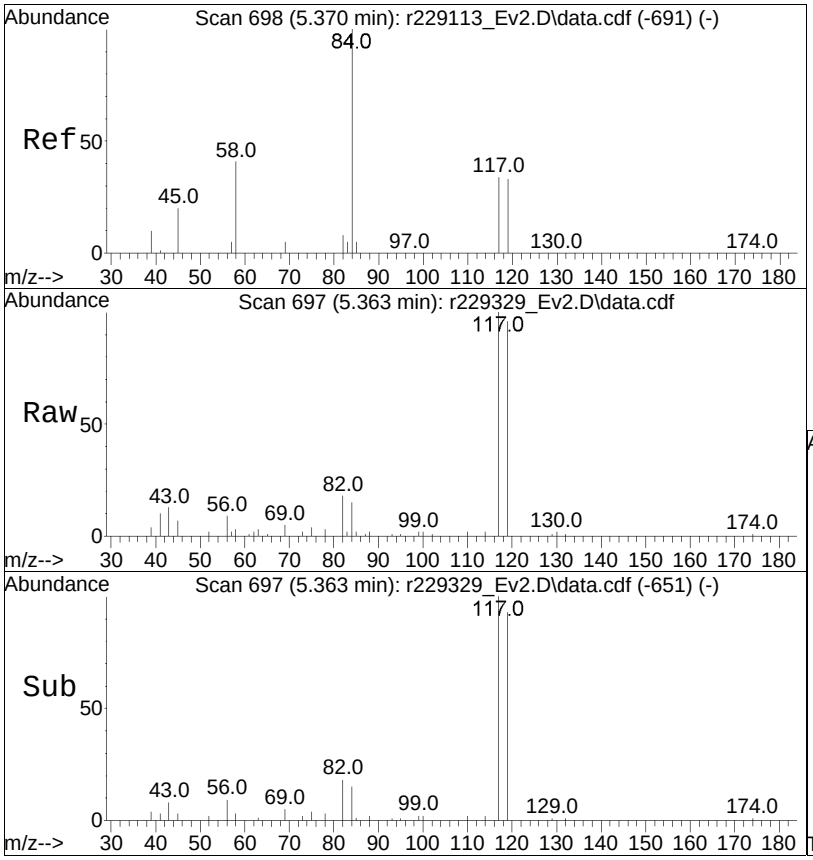


#37
benzene
Concen: 0.29 ppbV
RT: 5.290 min Scan# 686
Delta R.T. -0.007 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion: 78 Resp: 26806

Ion	Ratio	Lower	Upper
78	100		
52	14.7	11.3	16.9

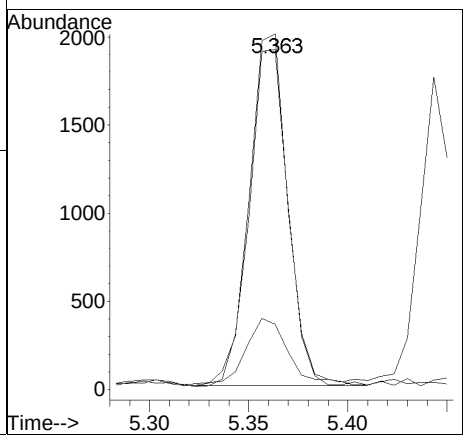


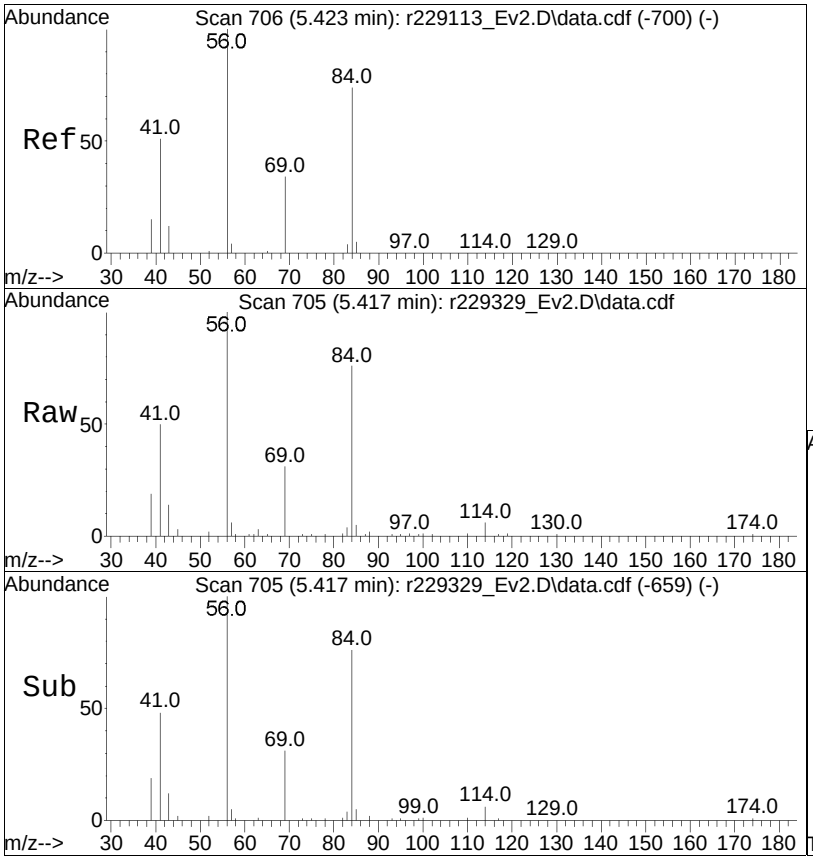


#38
carbon tetrachloride
Concen: 0.11 ppbV
RT: 5.363 min Scan# 697
Delta R.T. -0.007 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion:117 Resp: 2700

Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.7	116.5
82	18.4	19.5	29.3#

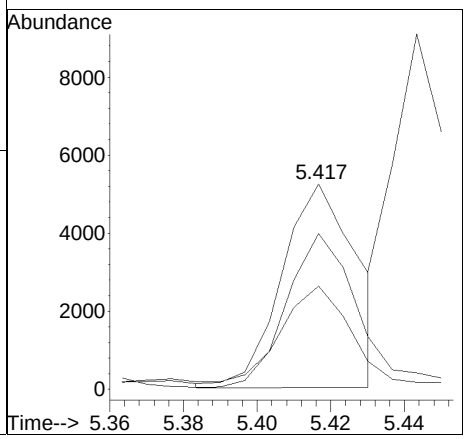


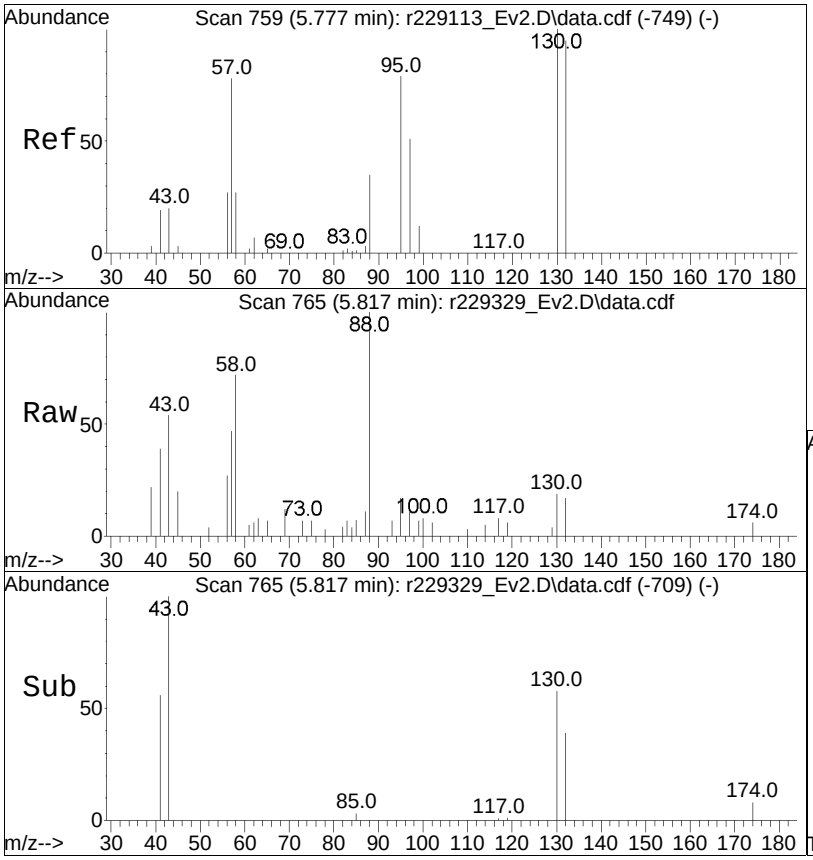


#39
cyclohexane
Concen: 0.16 ppbV
RT: 5.417 min Scan# 705
Delta R.T. -0.007 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion: 56 Resp: 7382

Ion	Ratio	Lower	Upper
56	100		
84	75.9	64.6	96.8
41	50.3	41.3	61.9

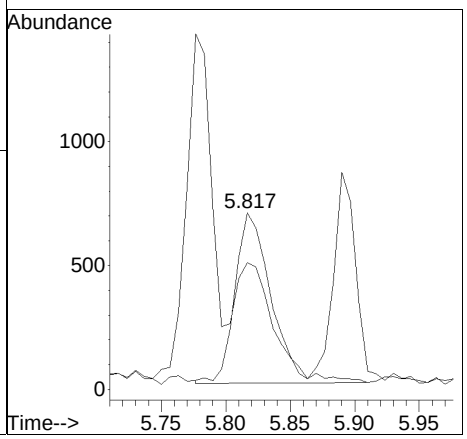


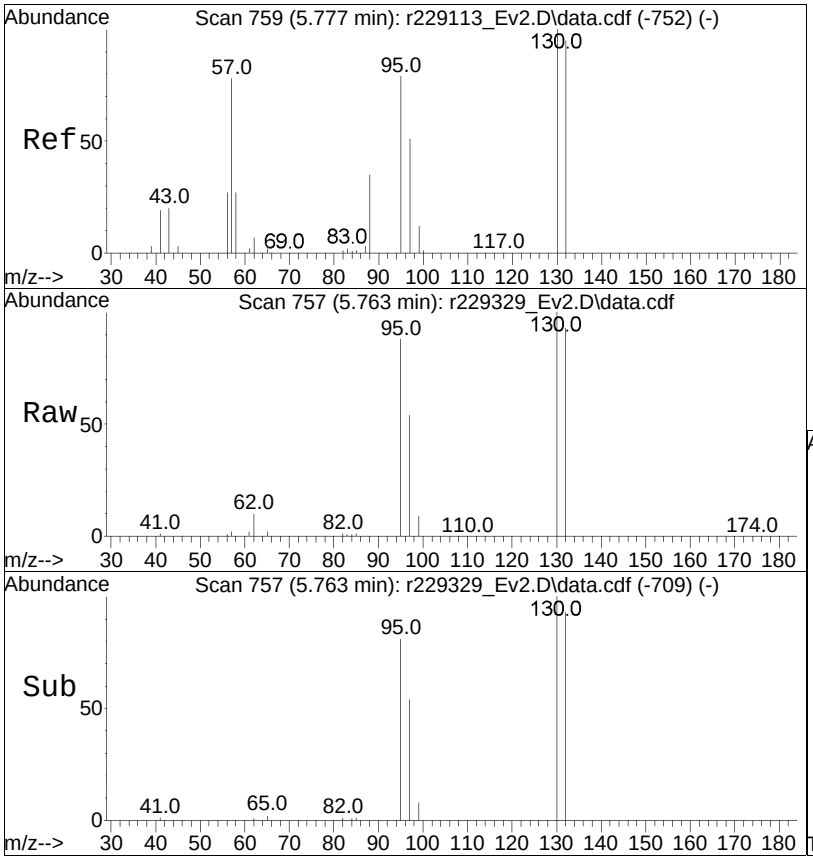


#43
1,4-dioxane
Concen: 0.07 ppbV
RT: 5.817 min Scan# 765
Delta R.T. 0.040 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion: 88 Resp: 1358

Ion	Ratio	Lower	Upper
88	100		
58	71.9	63.0	94.6

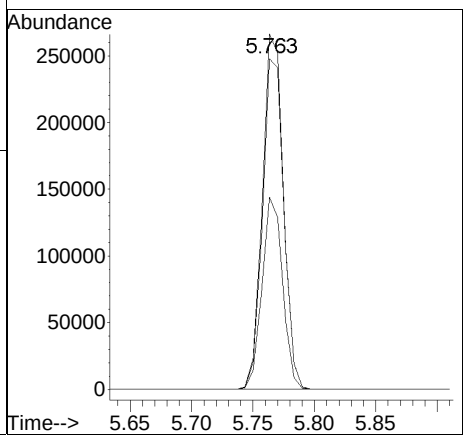


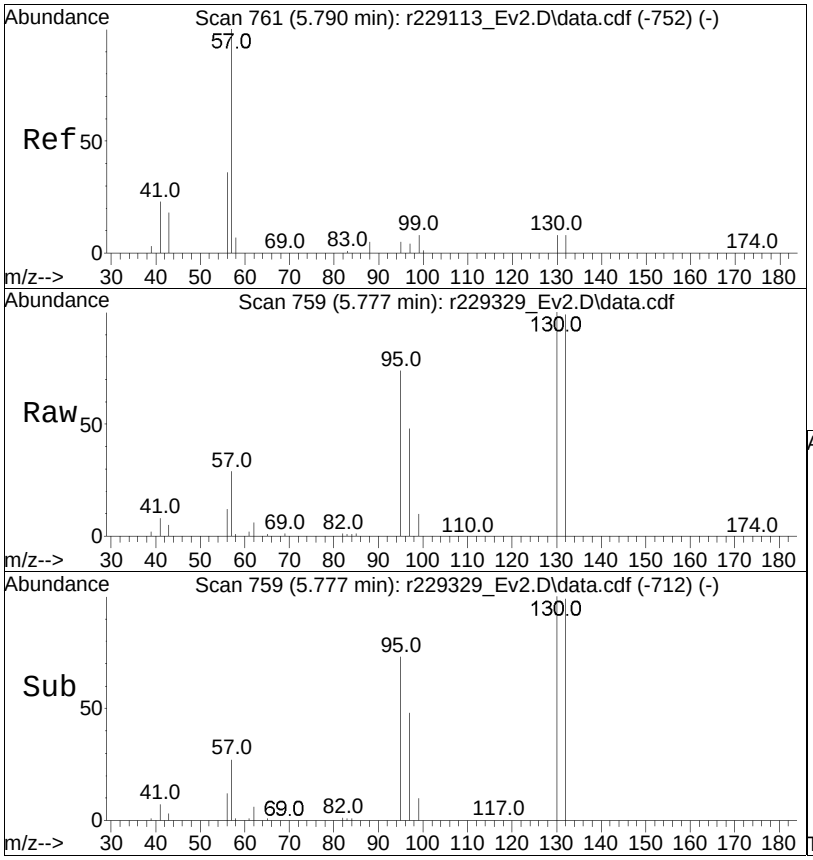


#44
trichloroethene
Concen: 7.52 ppbV
RT: 5.763 min Scan# 757
Delta R.T. -0.013 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion:130 Resp: 316486

Ion	Ratio	Lower	Upper
130	100		
132	93.1	76.1	114.1
97	54.1	40.7	61.1

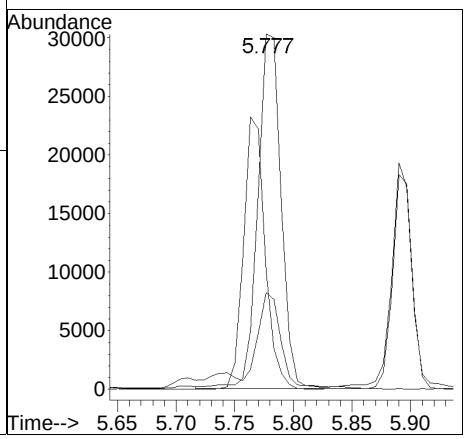


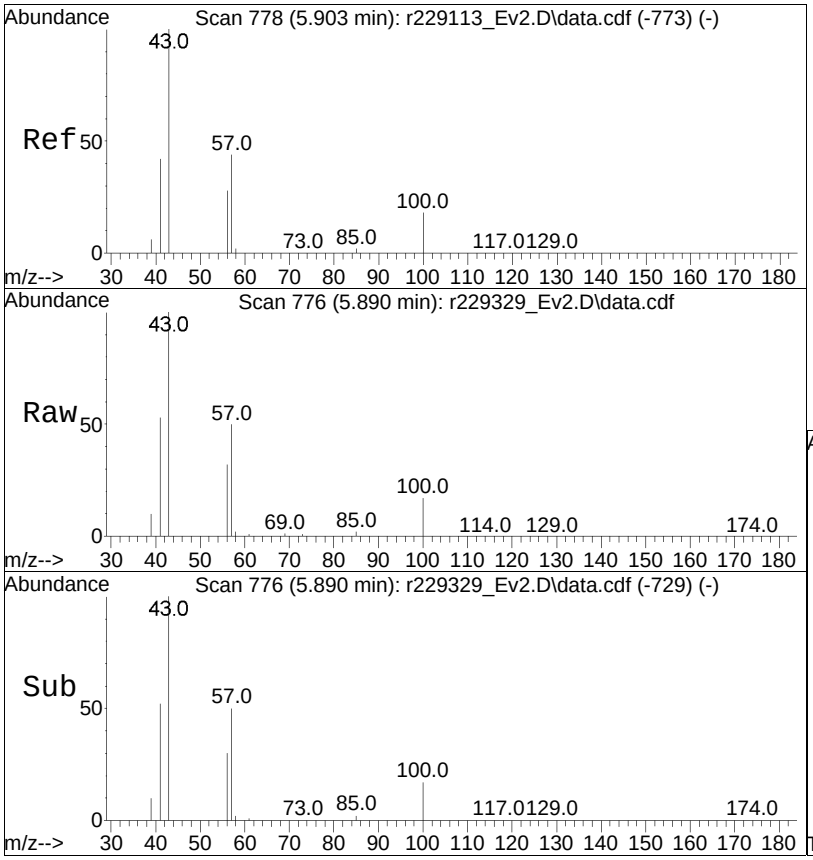


#45
2,2,4-trimethylpentane
Concen: 0.35 ppbV
RT: 5.777 min Scan# 759
Delta R.T. -0.013 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion: 57 Resp: 42077

Ion	Ratio	Lower	Upper
57	100		
99	33.4	6.0	9.0#
41	27.3	18.6	28.0

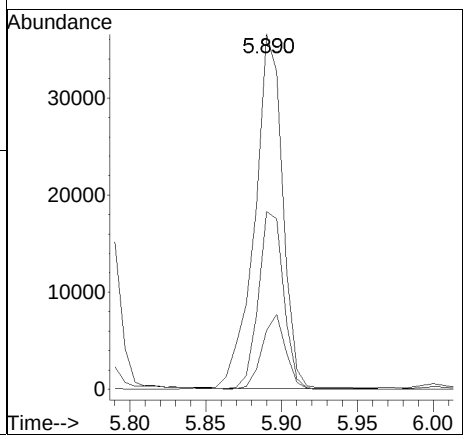


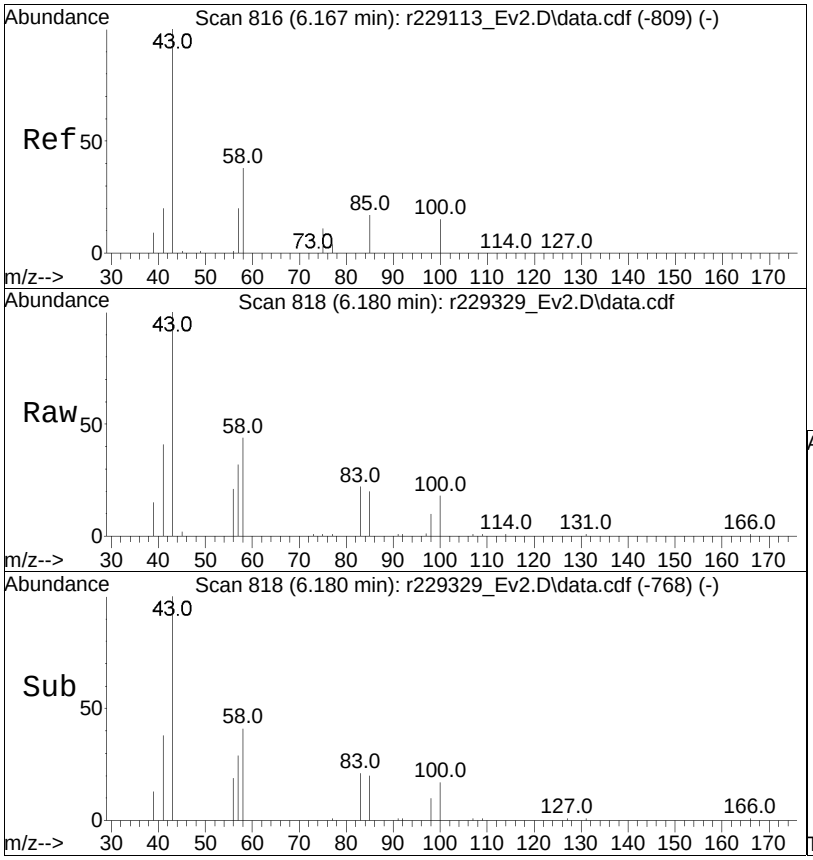


#46
heptane
Concen: 0.86 ppbV
RT: 5.890 min Scan# 776
Delta R.T. -0.013 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion: 43 Resp: 46851

Ion	Ratio	Lower	Upper
43	100		
57	50.1	35.6	53.4
100	16.6	16.6	24.8

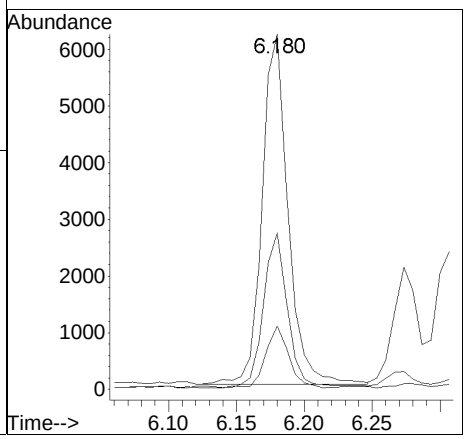


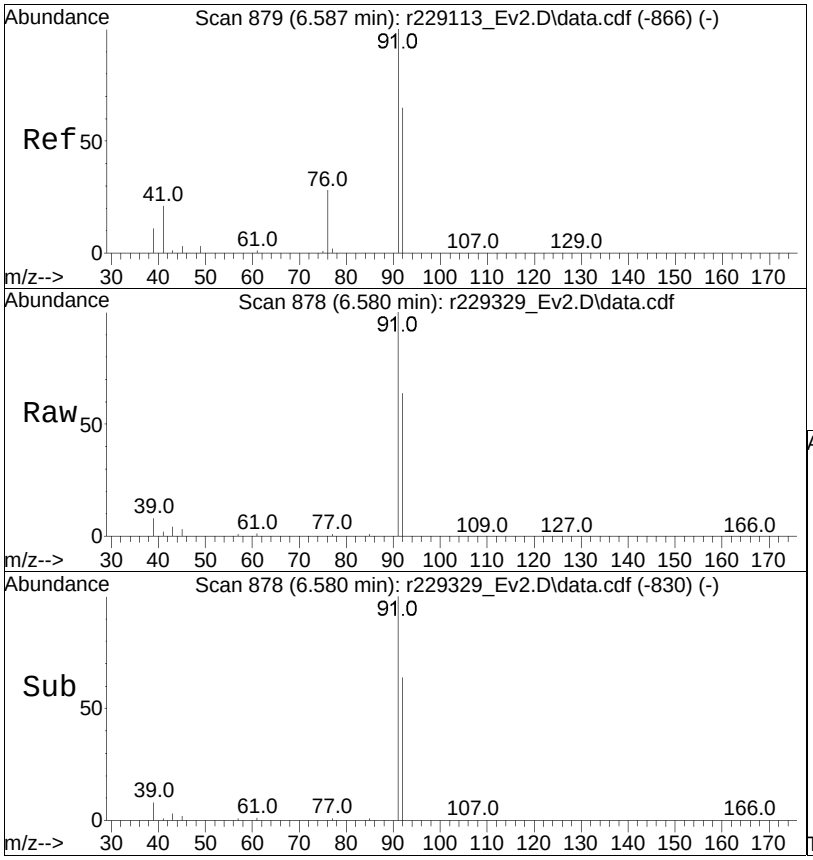


#48
4-methyl-2-pentanone
Concen: 0.13 ppbV
RT: 6.180 min Scan# 818
Delta R.T. 0.013 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion: 43 Resp: 8182

Ion	Ratio	Lower	Upper
43	100		
58	44.0	30.1	45.1
100	17.8	12.2	18.2

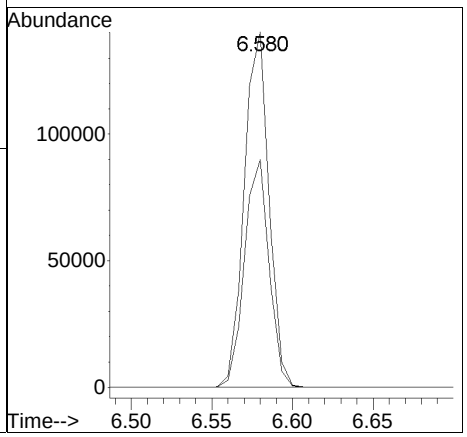


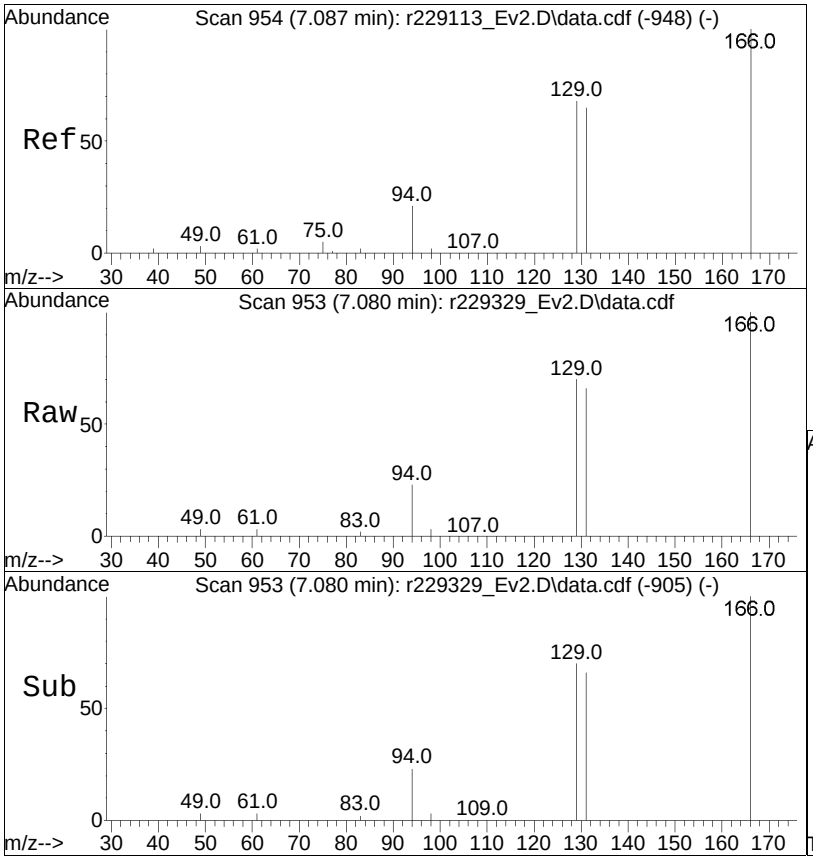


#52
toluene
Concen: 1.11 ppbV
RT: 6.580 min Scan# 878
Delta R.T. -0.007 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion: 91 Resp: 150062

Ion	Ratio	Lower	Upper
91	100		
92	64.2	52.2	78.2

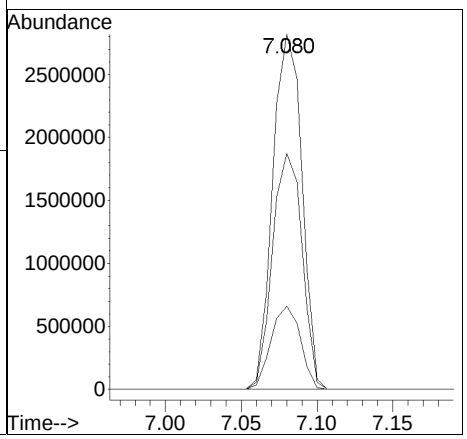


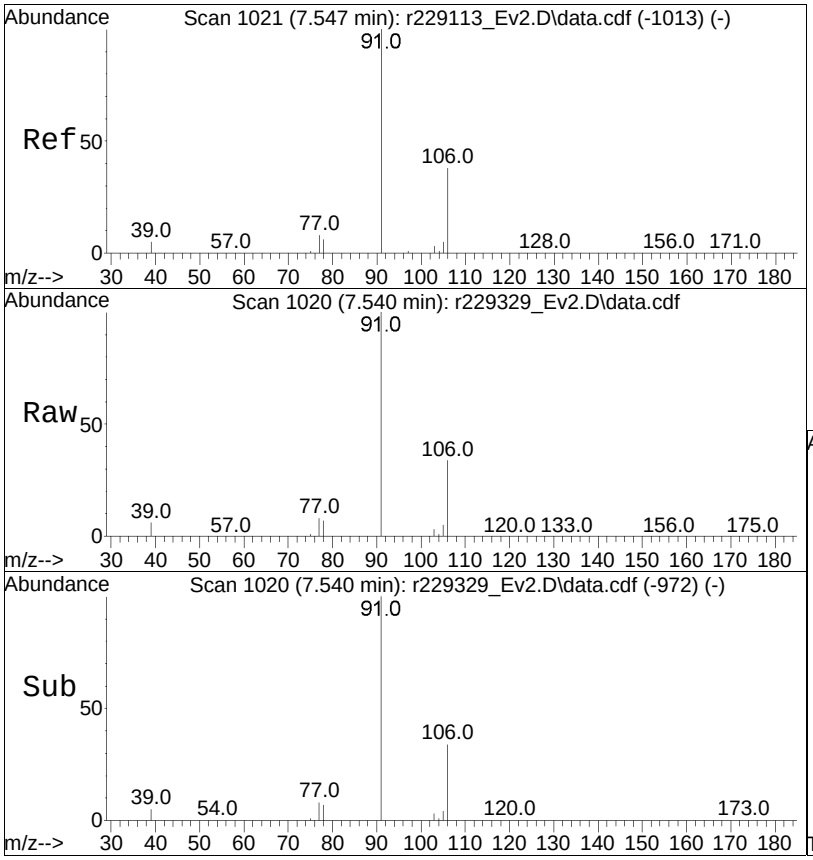


#57
tetrachloroethene
Concen: 57.83 ppbV
RT: 7.080 min Scan# 953
Delta R.T. -0.007 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion:166 Resp: 3781409

Ion	Ratio	Lower	Upper
166	100		
131	66.5	51.9	77.9
94	23.4	16.6	24.8

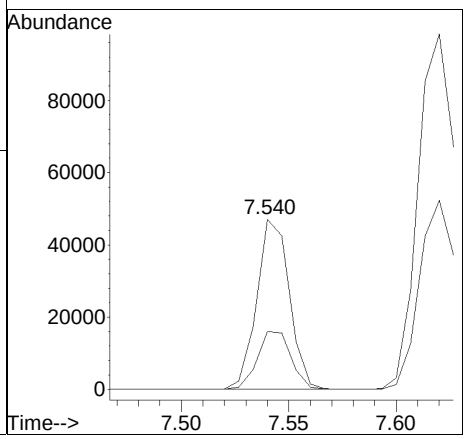


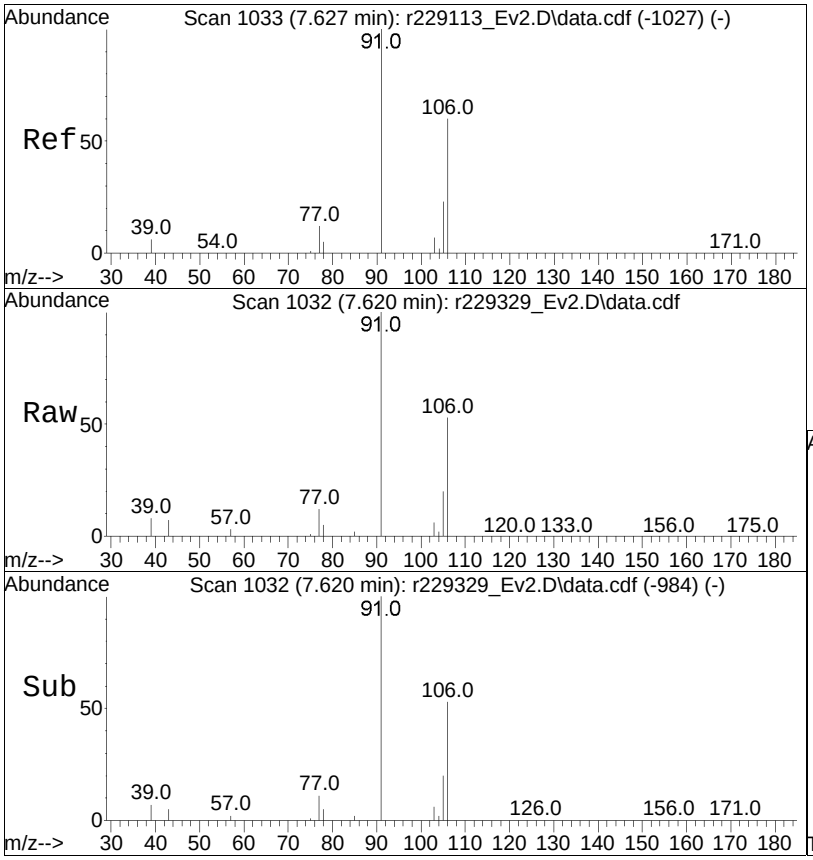


#60
ethylbenzene
Concen: 0.30 ppbV
RT: 7.540 min Scan# 1020
Delta R.T. -0.007 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion: 91 Resp: 49689

Ion	Ratio	Lower	Upper
91	100		
106	34.0	30.4	45.6

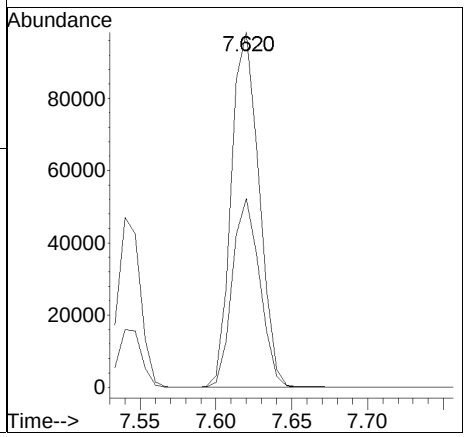


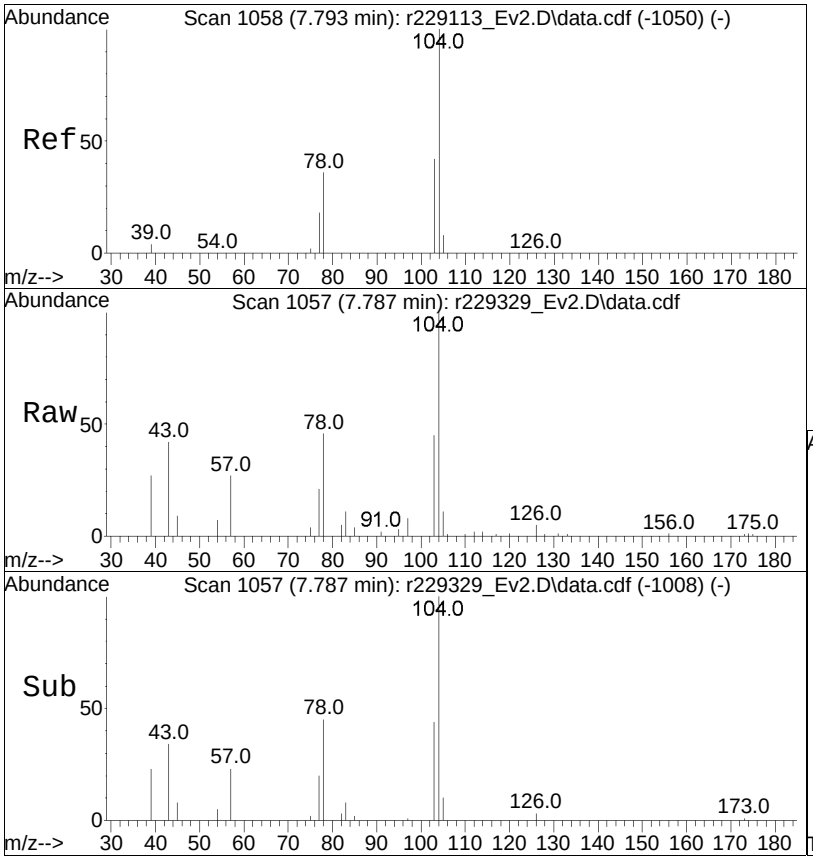


#61
m+p-xylene
Concen: 0.97 ppbV
RT: 7.620 min Scan# 1032
Delta R.T. -0.007 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion: 91 Resp: 125705

Ion	Ratio	Lower	Upper
91	100		
106	53.2	48.2	72.2

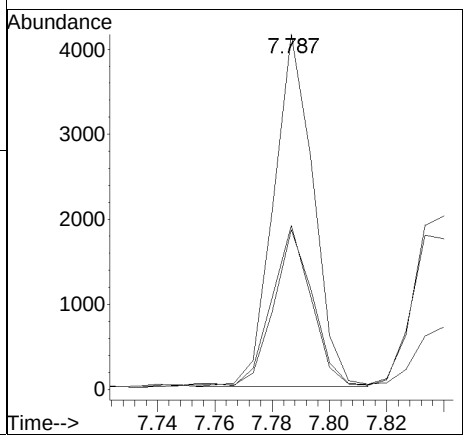


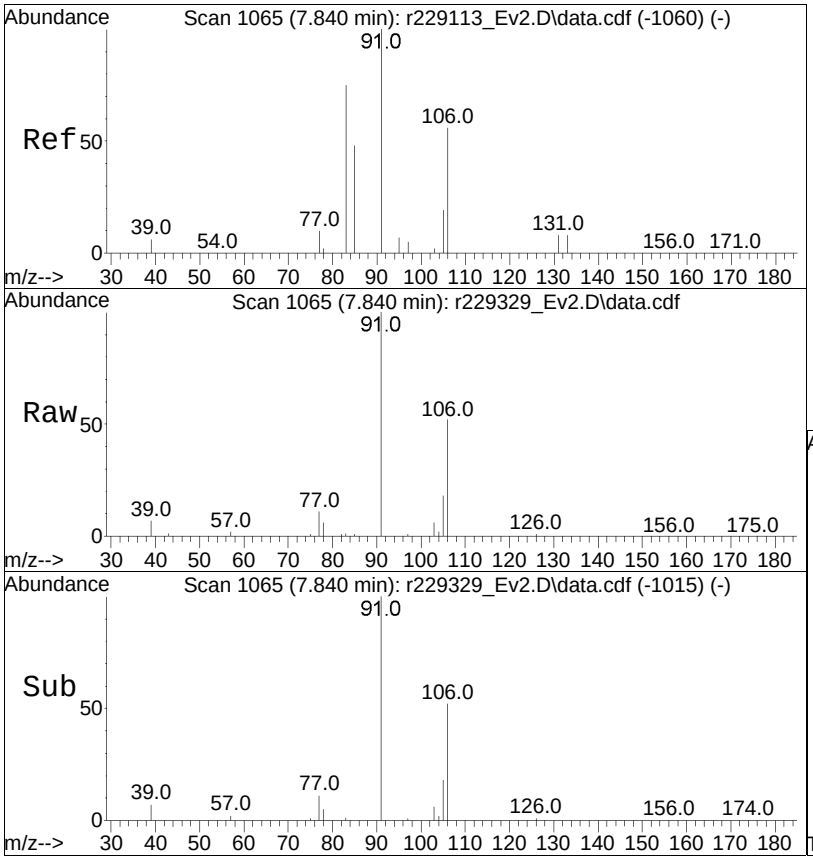


#63
styrene
Concen: 0.03 ppbV
RT: 7.787 min Scan# 1057
Delta R.T. -0.007 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion:104 Resp: 3995

Ion	Ratio	Lower	Upper
104	100		
103	45.0	33.7	50.5
78	46.2	28.9	43.3#

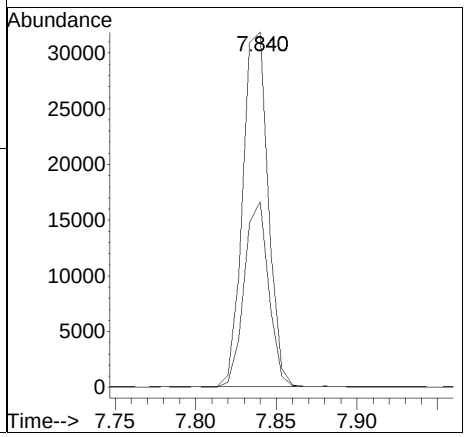


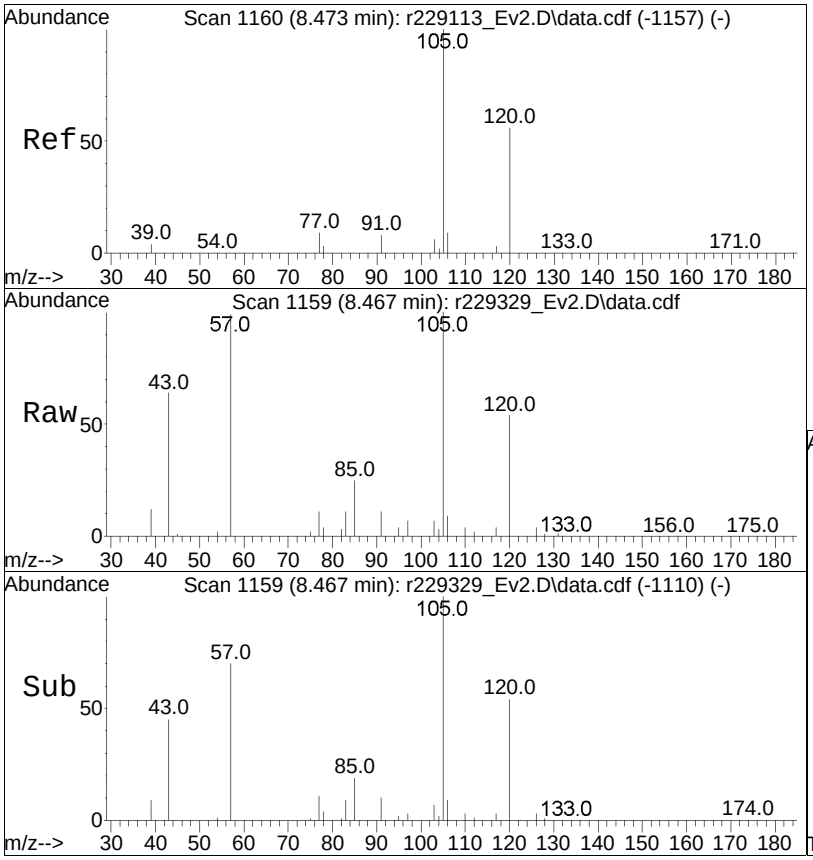


#65
o-xylene
Concen: 0.27 ppbV
RT: 7.840 min Scan# 1065
Delta R.T. 0.000 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion: 91 Resp: 35070

Ion	Ratio	Lower	Upper
91	100		
106	52.3	44.8	67.2

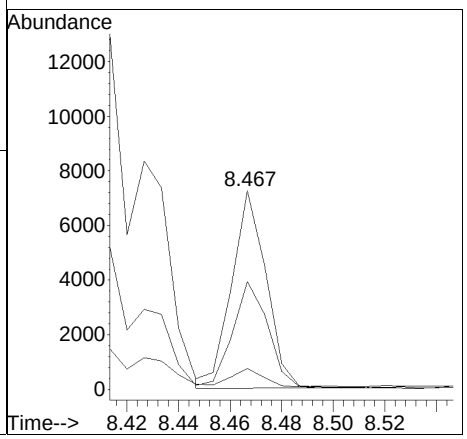


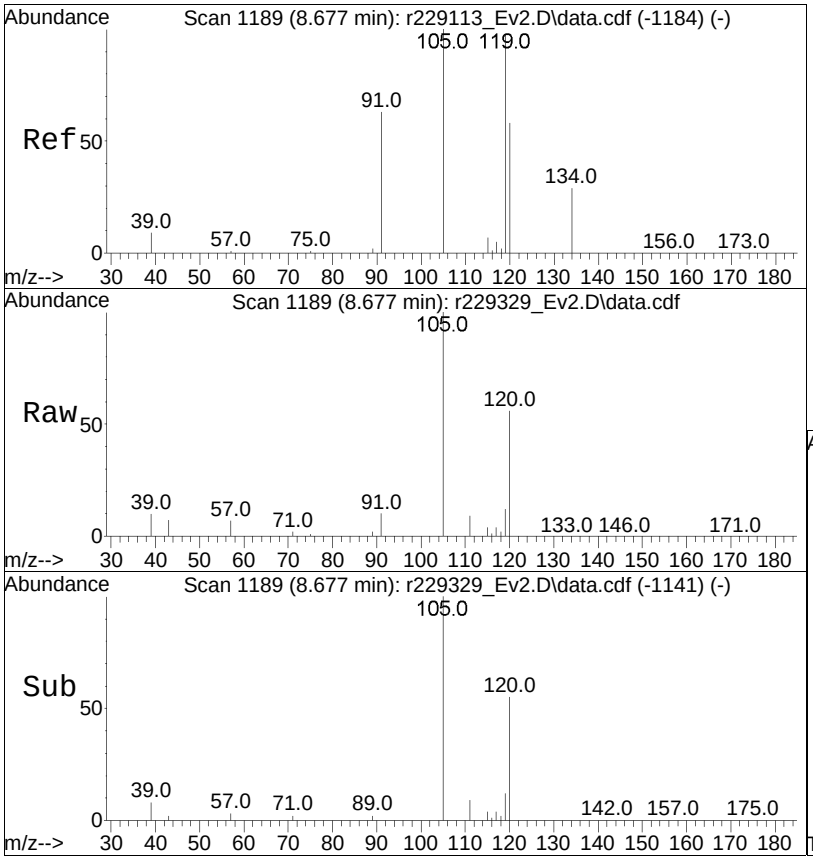


#71
1,3,5-trimethylbenzene
Concen: 0.04 ppbV
RT: 8.467 min Scan# 1159
Delta R.T. -0.007 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion:105 Resp: 6764

Ion	Ratio	Lower	Upper
105	100		
120	54.3	44.2	66.4
91	10.5	6.2	9.4#

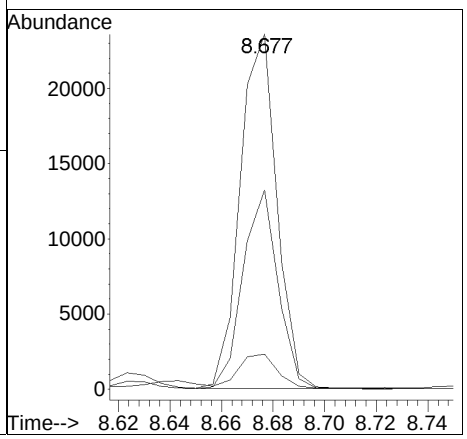


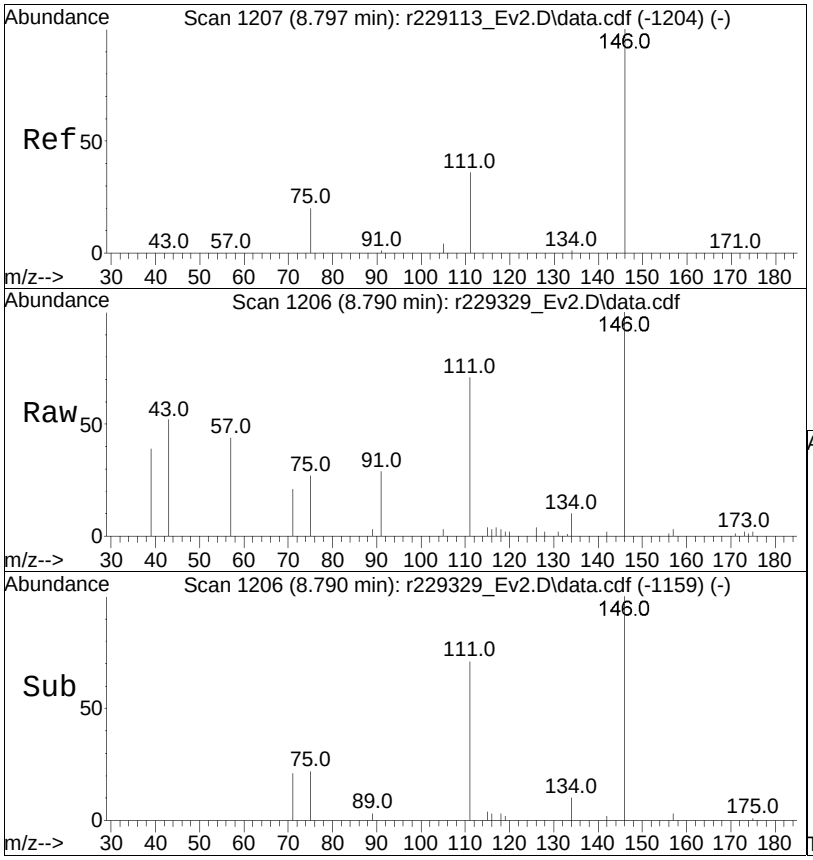


#73
1,2,4-trimethylbenzene
Concen: 0.15 ppbV
RT: 8.677 min Scan# 1189
Delta R.T. 0.000 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion:105 Resp: 23303

Ion	Ratio	Lower	Upper
105	100		
120	56.2	46.5	69.7
91	9.9	50.3	75.5#

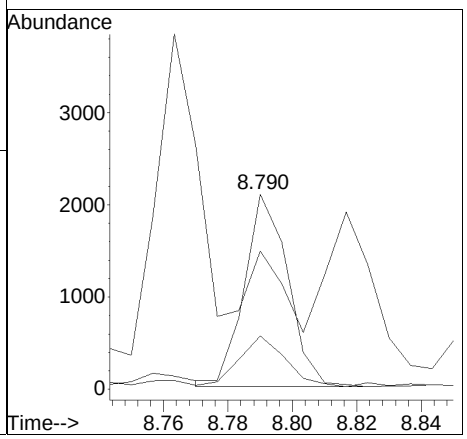


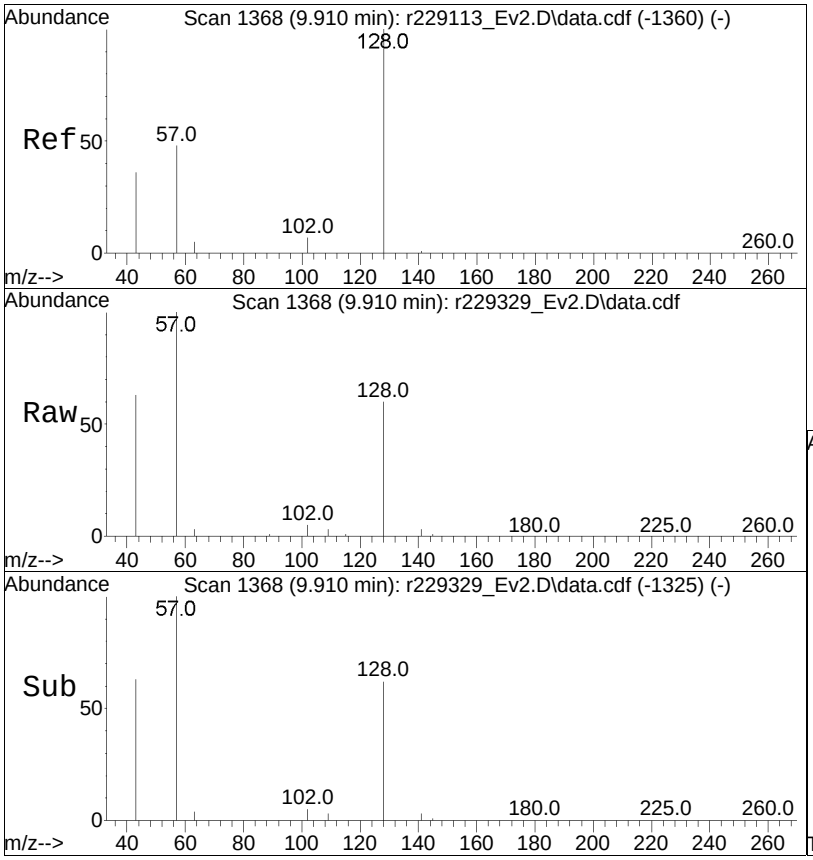


#76
1,4-dichlorobenzene
Concen: 0.02 ppbV
RT: 8.790 min Scan# 1206
Delta R.T. -0.007 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion:146 Resp: 1967

Ion	Ratio	Lower	Upper
146	100		
111	70.9	28.4	42.6#
75	27.4	16.1	24.1#

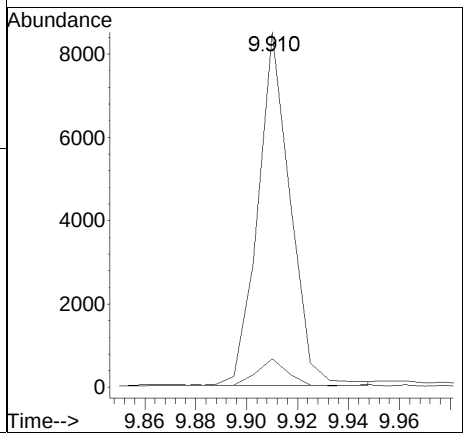




#83
naphthalene
Concen: 0.03 ppbV
RT: 9.910 min Scan# 1368
Delta R.T. 0.000 min
Lab File: r229329_Ev2.D
Acq: 19 Feb 2025 11:44 PM

Tgt Ion:128 Resp: 7498

Ion	Ratio	Lower	Upper
128	100		
102	8.1	5.5	8.3



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab22\20	QMethod	: TSIM22_250206.M
Data File	: r229329_Ev2.D	Operator	: AIRLAB22:TPH
Date Inj'd	: 2/19/2025 11:44 PM	Instrument	:
Sample	: L2506387-01,3,250,250	Quant Date	: 2/20/2025 7:50 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229330_Ev2.D
Acq On : 20 Feb 2025 12:24 AM
Operator : AIRLAB22:TPH
Sample : L2506387-02,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 20 07:50:54 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0219SIM\r229324_Ev2.D
Sub List : NYDEC-SIM - .

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	4.563	49	308358	10.000	ppbV		0.00
Standard Area = 316137			Recovery = 97.54%				
33) 1,4-difluorobenzene	5.443	114	976982	10.000	ppbV		-0.01
Standard Area = 1013027			Recovery = 96.44%				
51) chlorobenzene-D5	7.360	54	126910	10.000	ppbV	#	0.00
Standard Area = 123842			Recovery = 102.48%				
System Monitoring Compounds							
Target Compounds							Qvalue
3) dichlorodifluoromethane	2.515	85	24105	0.691	ppbV		100
4) chloromethane	2.590	50	11152	0.558	ppbV		96
5) Freon-114	2.635	85	977	0.025	ppbV		91
6) vinyl chloride	2.685	62	1474	0.067	ppbV		95
8) bromomethane	2.860	94	329	0.018	ppbV		95
9) chloroethane	2.932	64	200	0.017	ppbV	#	58
10) ethanol	2.977	31	523827	42.209	ppbV		91
14) trichlorofluoromethane	3.265	101	8812	0.374	ppbV		95
17) 1,1-dichloroethene	3.545	61	375	0.011	ppbV		94
18) tertiary butyl alcohol	0.000		0	N.D.	d		
19) methylene chloride	3.595	49	9750	0.350	ppbV		92
22) Freon 113	3.715	101	4675	0.096	ppbV		96
23) trans-1,2-dichloroethene	4.020	61	18850	0.593	ppbV		92
24) 1,1-dichloroethane	4.107		0	N.D.			
25) MTBE	4.153		0	N.D.			
27) 2-butanone	4.297	43	46284	0.825	ppbV	#	97
28) cis-1,2-dichloroethene	4.490	61	91333	2.746	ppbV		92
30) chloroform	4.623	83	1403	0.037	ppbV		97
32) 1,2-dichloroethane	4.963	62	4896	0.238	ppbV	#	90
34) hexane	4.583	57	19160	0.517	ppbV	#	4
36) 1,1,1-trichloroethane	5.083	97	3823	0.116	ppbV		100
37) benzene	5.290	78	28285	0.311	ppbV		98
38) carbon tetrachloride	5.363	117	2697	0.106	ppbV	#	97
39) cyclohexane	5.417	56	7766	0.172	ppbV		95
41) 1,2-dichloropropane	5.663		0	N.D.			
42) bromodichloromethane	0.000		0	N.D.	d		
43) 1,4-dioxane	5.857	88	2239	0.110	ppbV		96
44) trichloroethene	5.770	130	224134	5.376	ppbV		99

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229330_Ev2.D
Acq On : 20 Feb 2025 12:24 AM
Operator : AIRLAB22:TPH
Sample : L2506387-02,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 20 07:50:54 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0219SIM\r229324_Ev2.D
Sub List : NYDEC-SIM - .

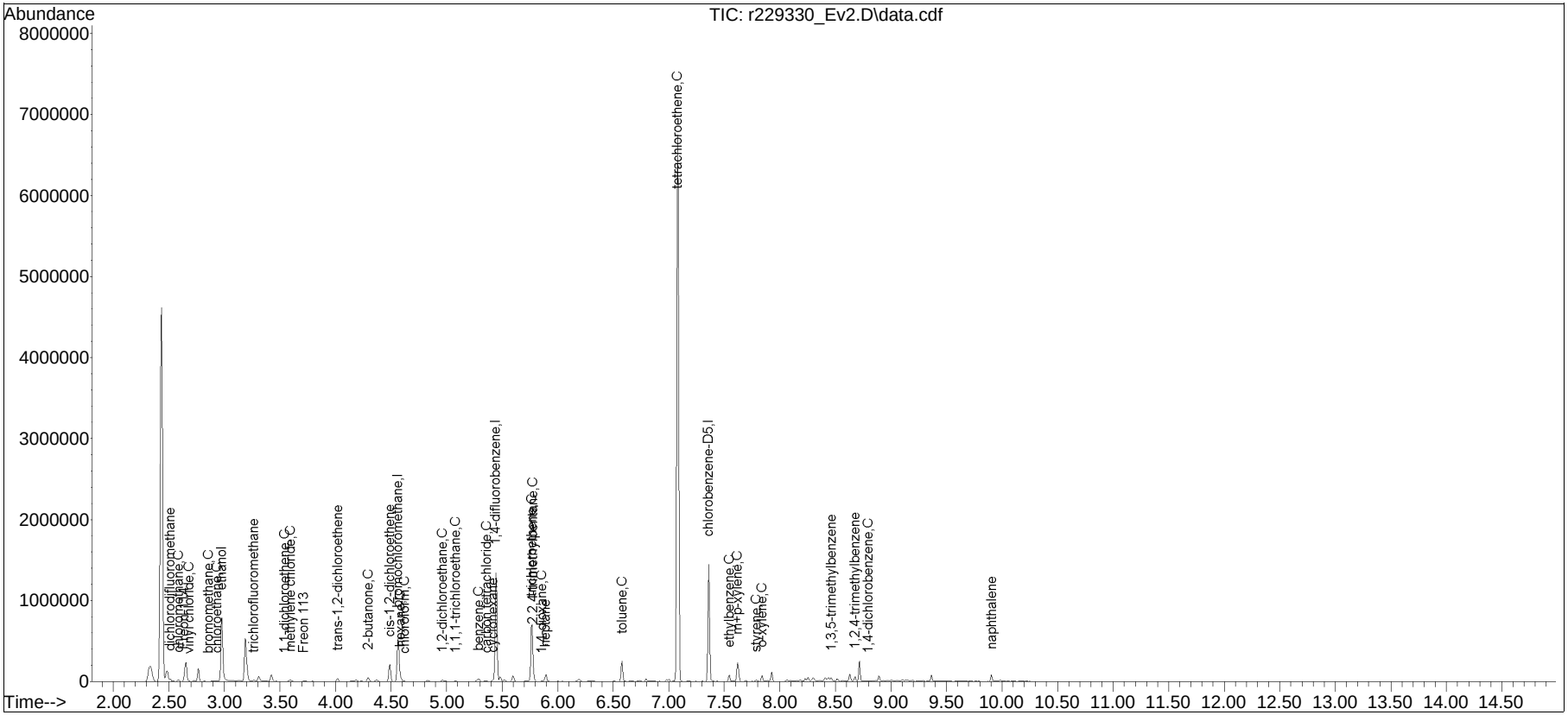
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 2,2,4-trimethylpentane	5.777	57	52464	0.440	ppbV #	85
46) heptane	5.890	43	41247	0.768	ppbV #	93
47) cis-1,3-dichloropropene	6.147		0	N.D.		
48) 4-methyl-2-pentanone	0.000		0	N.D.	d	
49) trans-1,3-dichloropropene	0.000		0	N.D.		
50) 1,1,2-trichloroethane	6.407		0	N.D.		
52) toluene	6.580	91	139938	1.046	ppbV	98
55) dibromochloromethane	6.767		0	N.D.		
56) 1,2-dibromoethane	0.000		0	N.D.		
57) tetrachloroethene	7.080	166	3064438	47.528	ppbV	97
59) chlorobenzene	7.387		0	N.D.		
60) ethylbenzene	7.547	91	50473	0.310	ppbV	97
61) m+p-xylene	7.620	91	131012	1.022	ppbV	91
62) bromoform	7.667		0	N.D.		
63) styrene	7.787	104	4793	0.040	ppbV #	93
64) 1,1,2,2-tetrachloroethane	7.740		0	N.D.		
65) o-xylene	7.840	91	36107	0.281	ppbV	95
71) 1,3,5-trimethylbenzene	8.467	105	7956	0.052	ppbV #	96
73) 1,2,4-trimethylbenzene	8.677	105	26269	0.172	ppbV #	61
74) Benzyl Chloride	8.750		0	N.D.		
75) 1,3-dichlorobenzene	8.757		0	N.D.		
76) 1,4-dichlorobenzene	8.797	146	1800	0.015	ppbV #	63
79) 1,2-dichlorobenzene	8.970		0	N.D.		
82) 1,2,4-trichlorobenzene	9.857		0	N.D.		
83) naphthalene	9.910	128	8545	0.036	ppbV #	96
85) hexachlorobutadiene	10.090		0	N.D.		

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

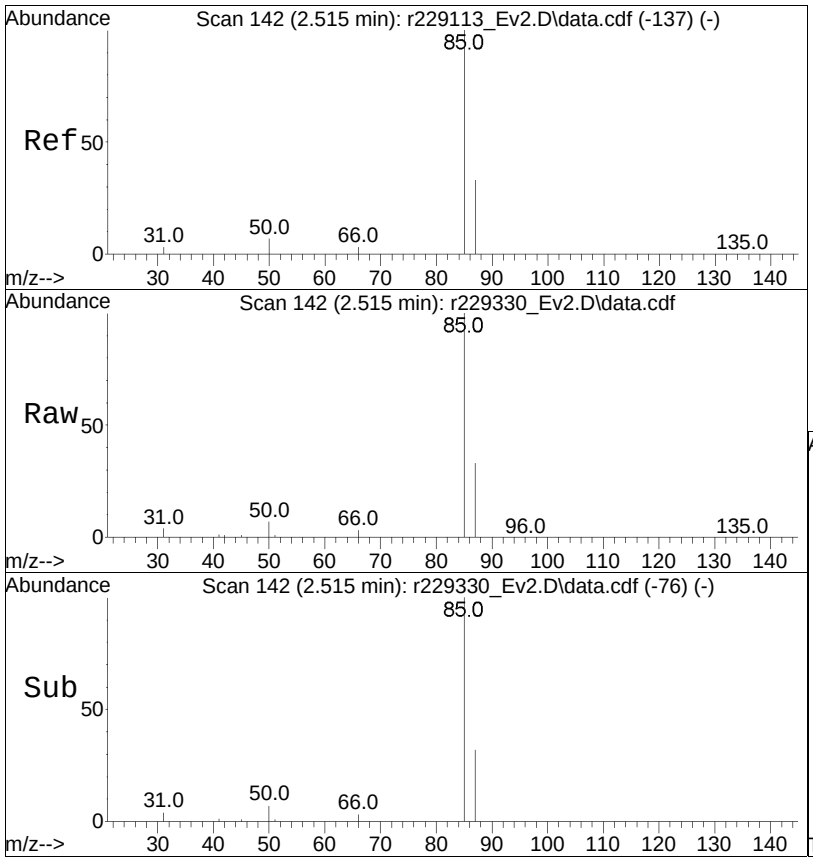
Sub List : NYDEC-SIM - .a\Airlab22\2025\02\0219SIM\r229324_Ev2.D

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229330_Ev2.D
Acq On : 20 Feb 2025 12:24 AM
Operator : AIRLAB22:TPH
Sample : L2506387-02,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 20 07:50:54 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration



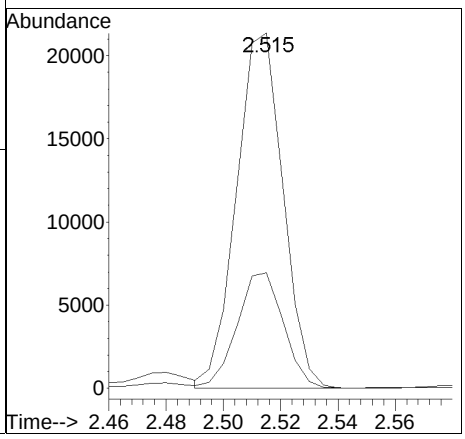
TSIM22_250206.M Thu Feb 20 14:38:38 2025 Page: 3

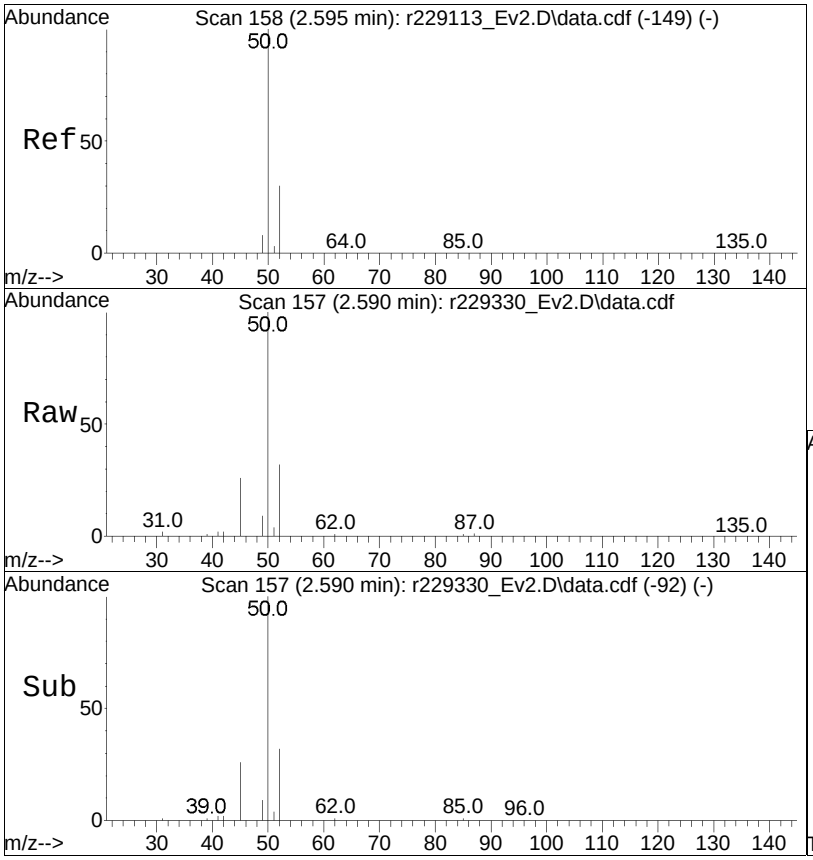


#3
dichlorodifluoromethane
Concen: 0.69 ppbV
RT: 2.515 min Scan# 142
Delta R.T. 0.000 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion: 85 Resp: 24105

Ion	Ratio	Lower	Upper
85	100		
87	32.5	26.2	39.2

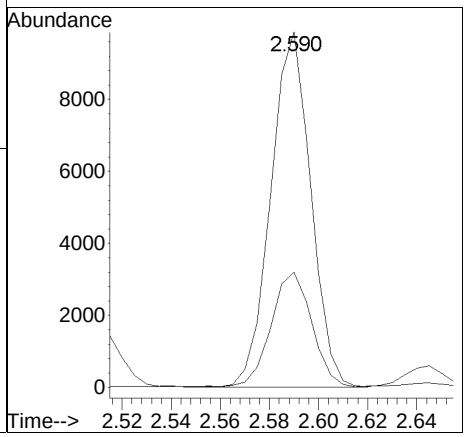


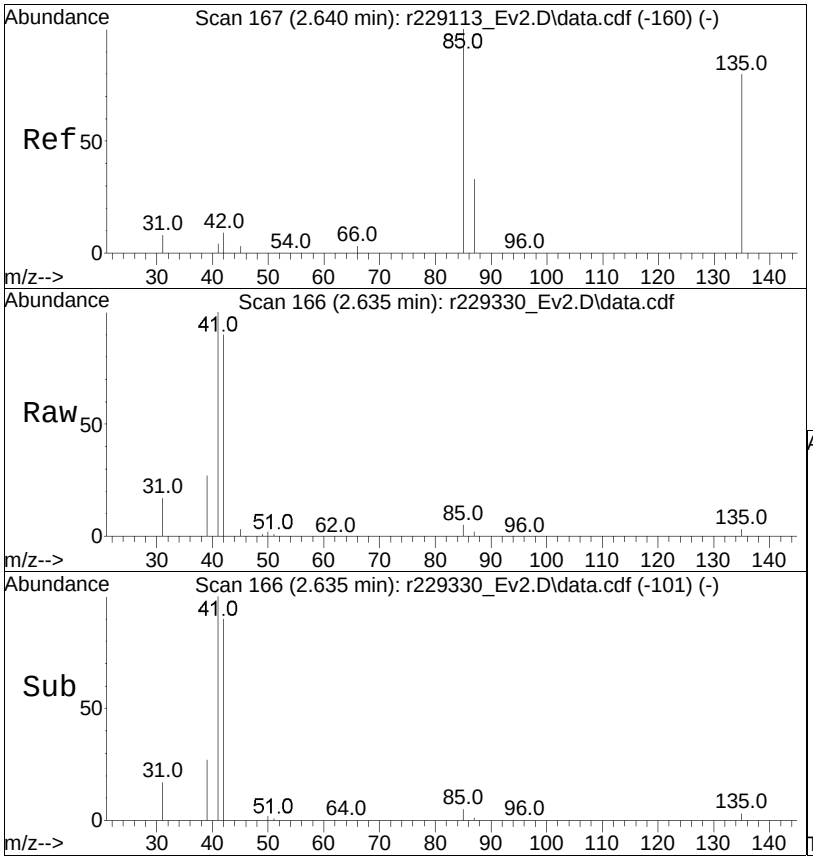


#4
chloromethane
Concen: 0.56 ppbV
RT: 2.590 min Scan# 157
Delta R.T. -0.005 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion: 50 Resp: 11152

Ion	Ratio	Lower	Upper
50	100		
52	32.4	24.3	36.5

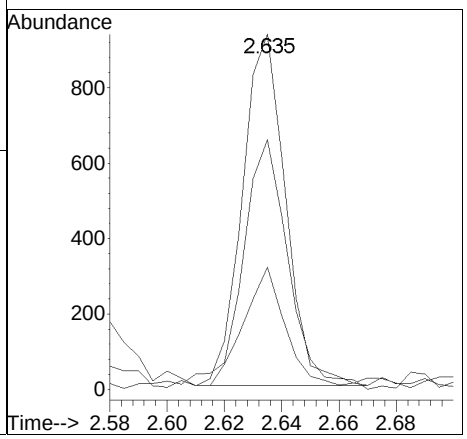


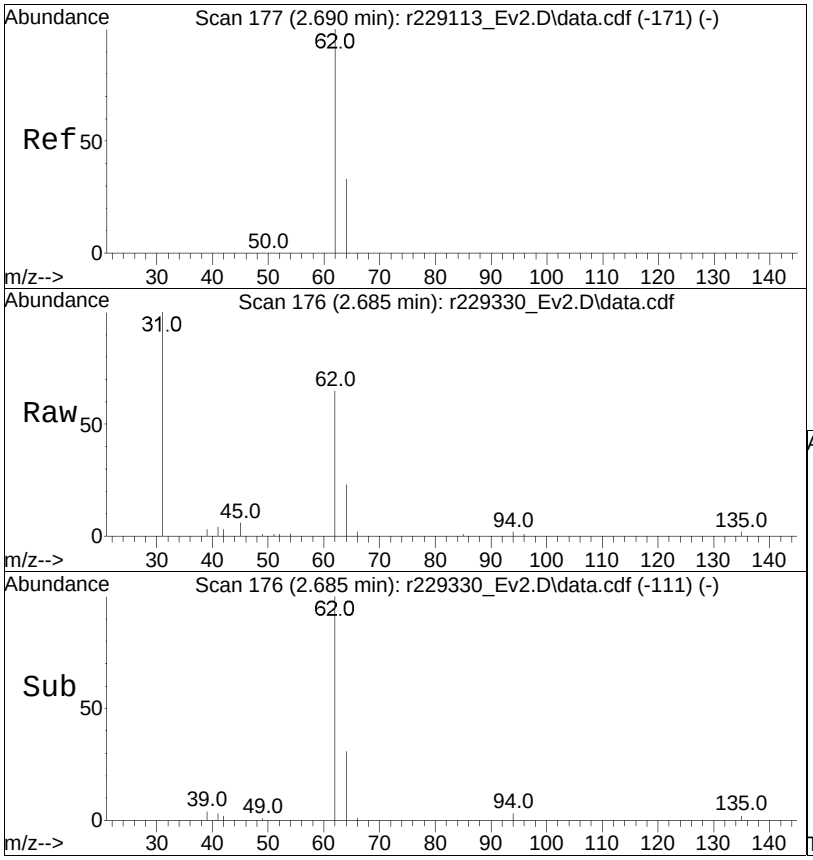


#5
Freon-114
Concen: 0.02 ppbV
RT: 2.635 min Scan# 166
Delta R.T. -0.005 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion: 85 Resp: 977

Ion	Ratio	Lower	Upper
85	100		
87	34.4	26.0	39.0
135	70.3	64.2	96.2

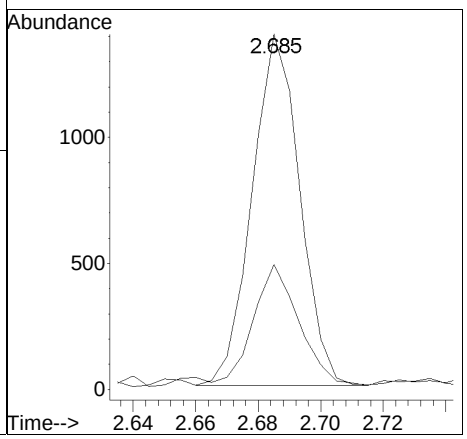


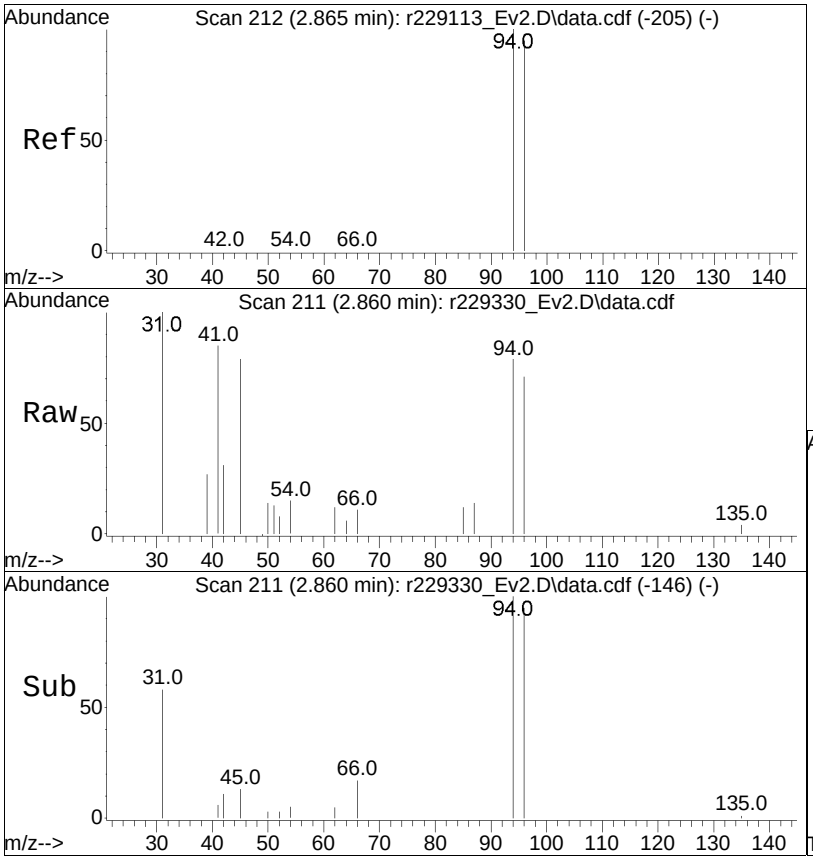


#6
vinyl chloride
Concen: 0.07 ppbV
RT: 2.685 min Scan# 176
Delta R.T. -0.005 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion: 62 Resp: 1474

Ion	Ratio	Lower	Upper
62	100		
64	35.2	26.0	39.0

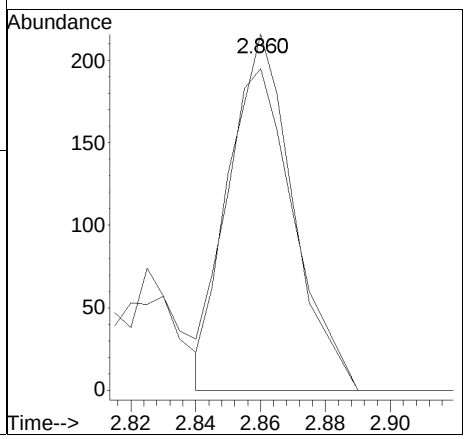


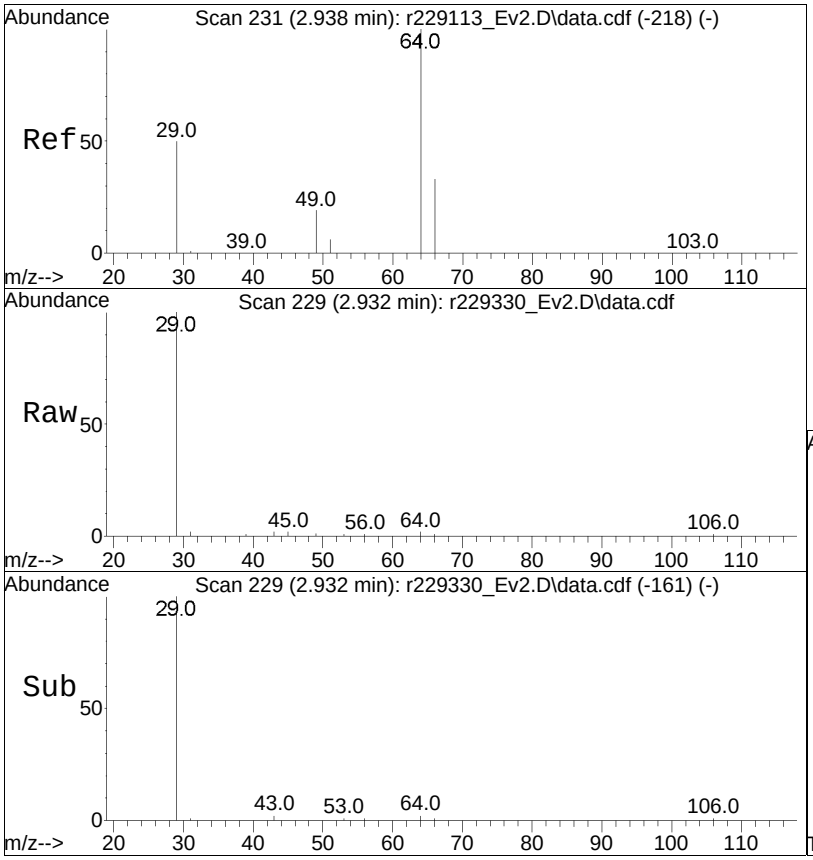


#8
bromomethane
Concen: 0.02 ppbV
RT: 2.860 min Scan# 211
Delta R.T. -0.005 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion: 94 Resp: 329

Ion	Ratio	Lower	Upper
94	100		
96	90.3	76.2	114.4

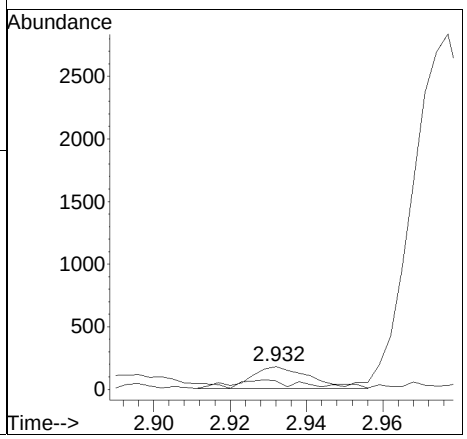


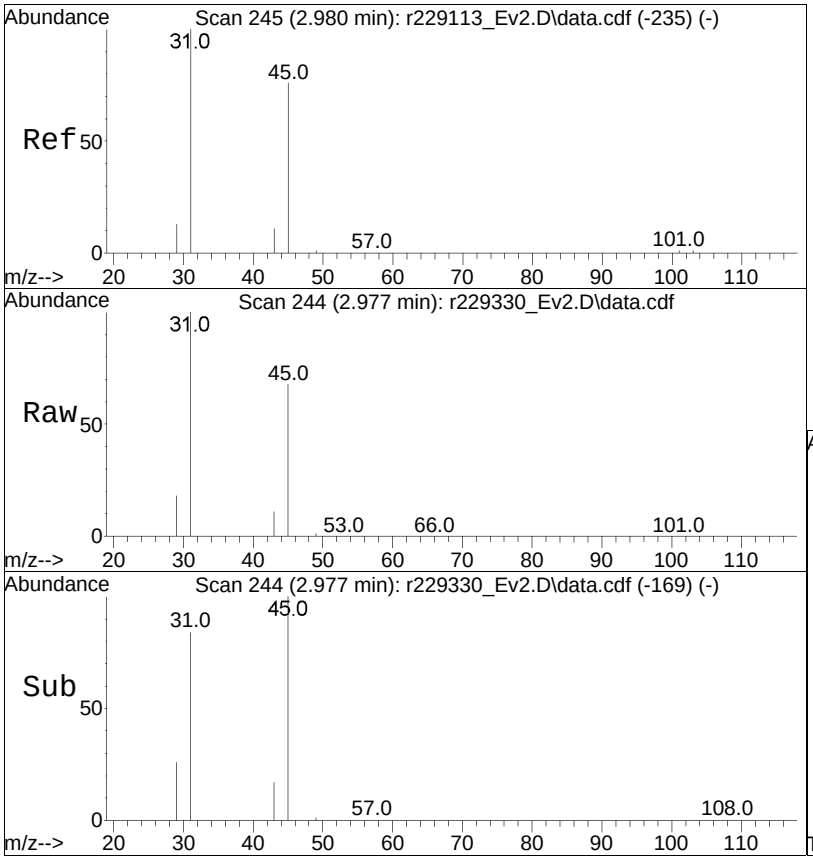


#9
chloroethane
Concen: 0.02 ppbV
RT: 2.932 min Scan# 229
Delta R.T. -0.006 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion: 64 Resp: 200

Ion	Ratio	Lower	Upper
64	100		
49	37.4	15.0	22.4#

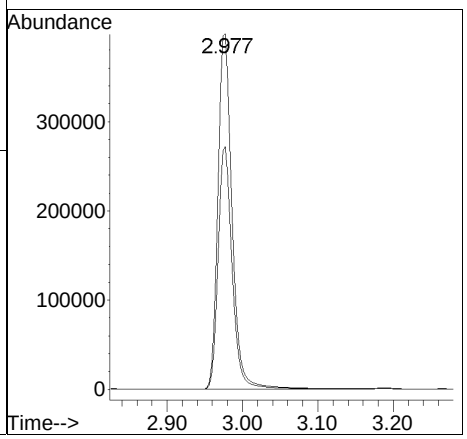


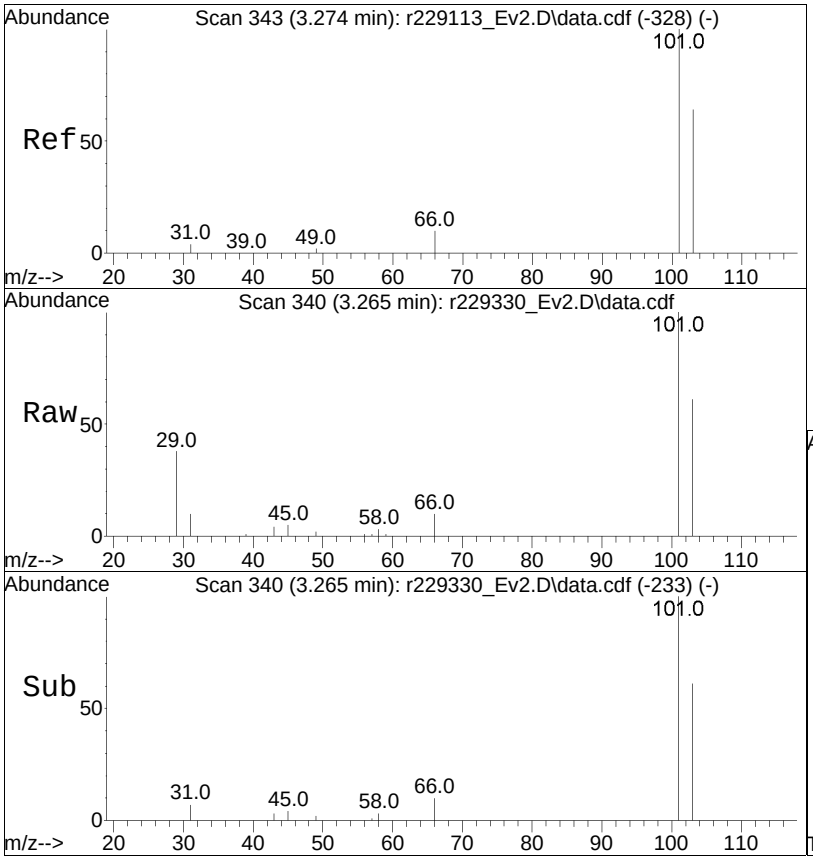


#10
ethanol
Concen: 42.21 ppbV
RT: 2.977 min Scan# 244
Delta R.T. -0.003 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion: 31 Resp: 523827

Ion	Ratio	Lower	Upper
31	100		
45	68.3	60.7	91.1

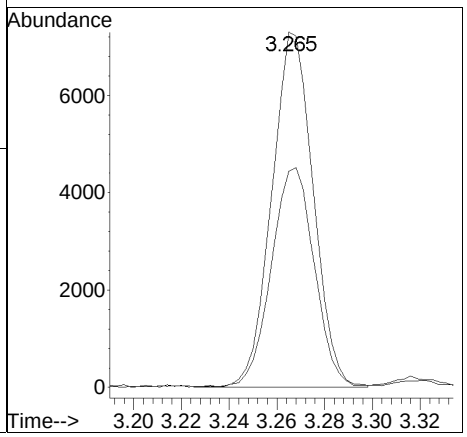


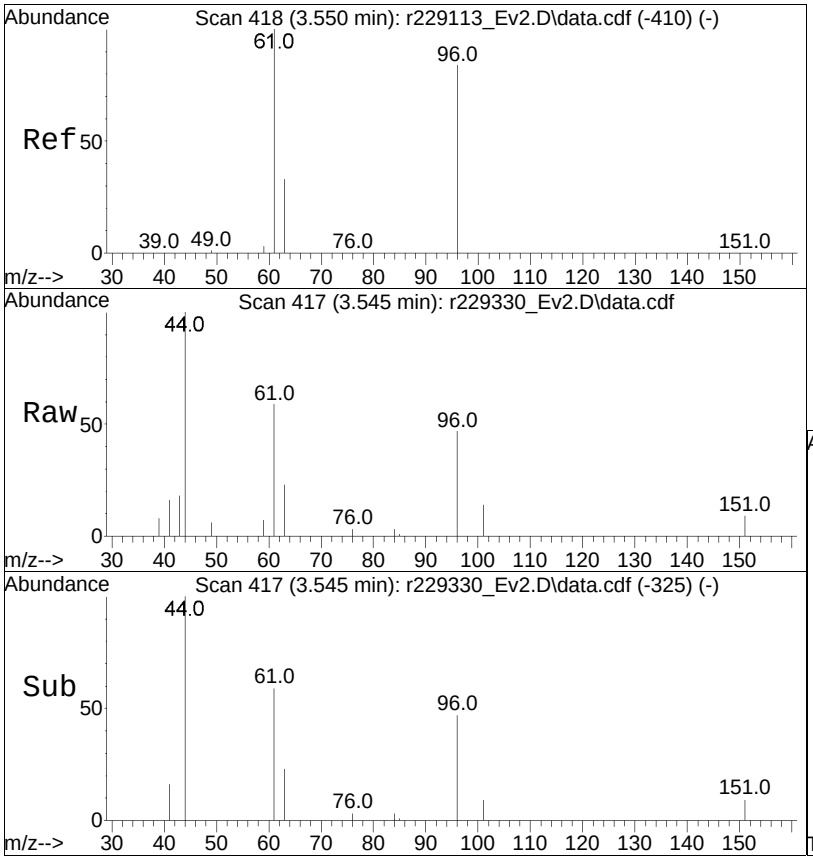


#14
trichlorofluoromethane
Concen: 0.37 ppbV
RT: 3.265 min Scan# 340
Delta R.T. -0.009 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion:101 Resp: 8812

Ion	Ratio	Lower	Upper
101	100		
103	60.9	51.5	77.3

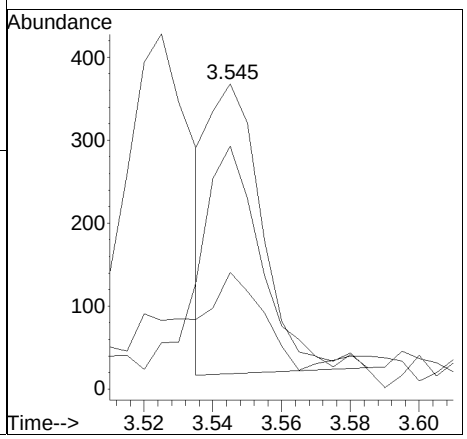


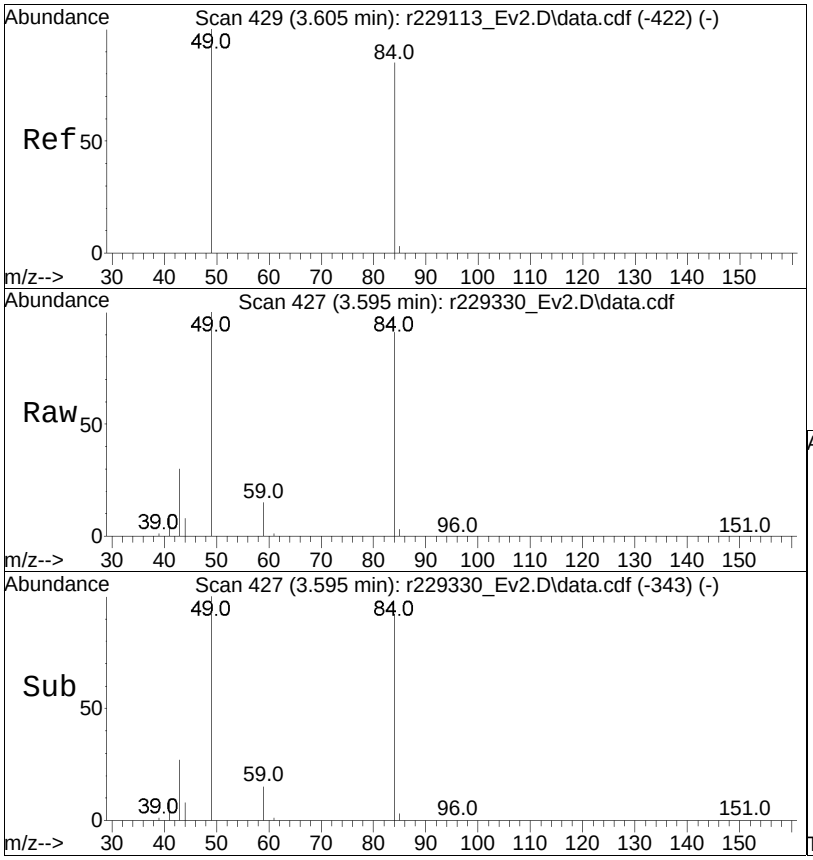


#17
1,1-dichloroethene
Concen: 0.01 ppbV
RT: 3.545 min Scan# 417
Delta R.T. -0.005 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion: 61 Resp: 375

Ion	Ratio	Lower	Upper
61	100		
96	79.6	66.9	100.3
63	38.3	26.1	39.1

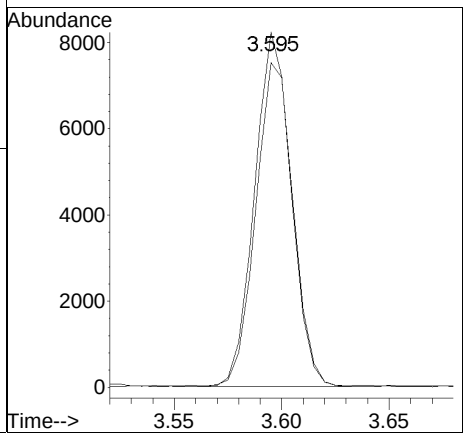


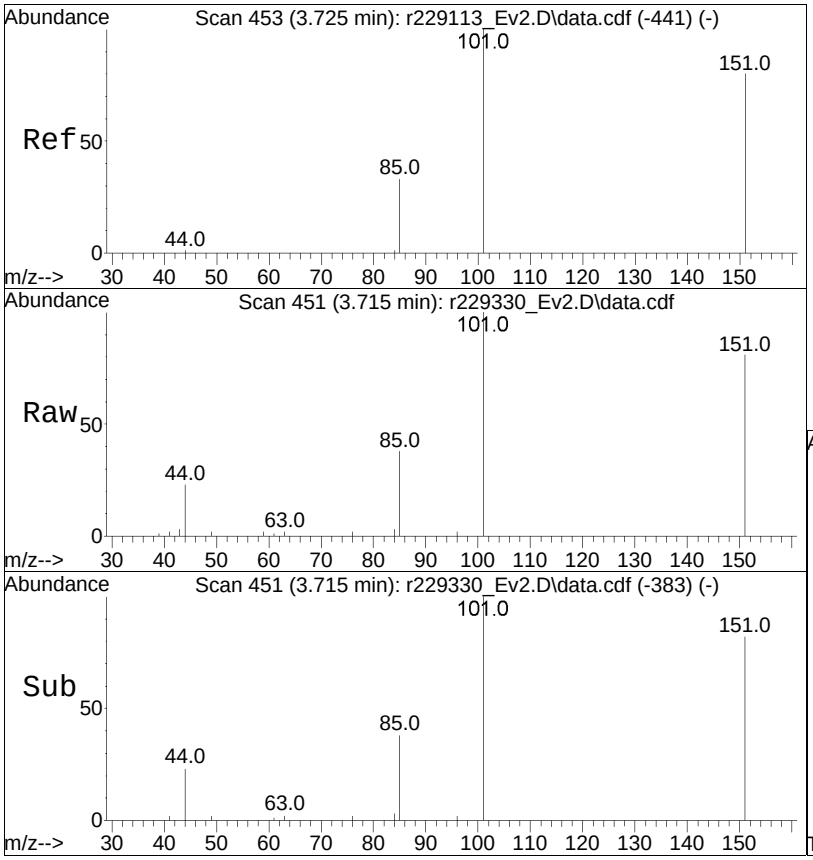


#19
methylene chloride
Concen: 0.35 ppbV
RT: 3.595 min Scan# 427
Delta R.T. -0.010 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion: 49 Resp: 9750

Ion	Ratio	Lower	Upper
49	100		
84	91.4	67.6	101.4

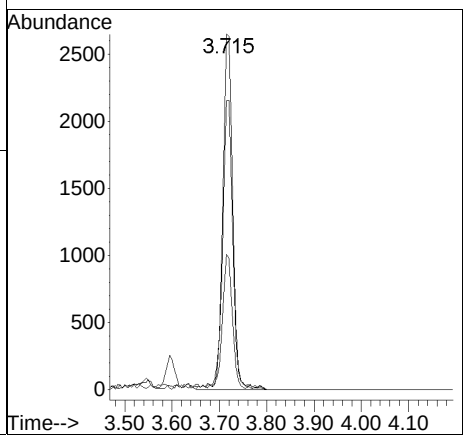


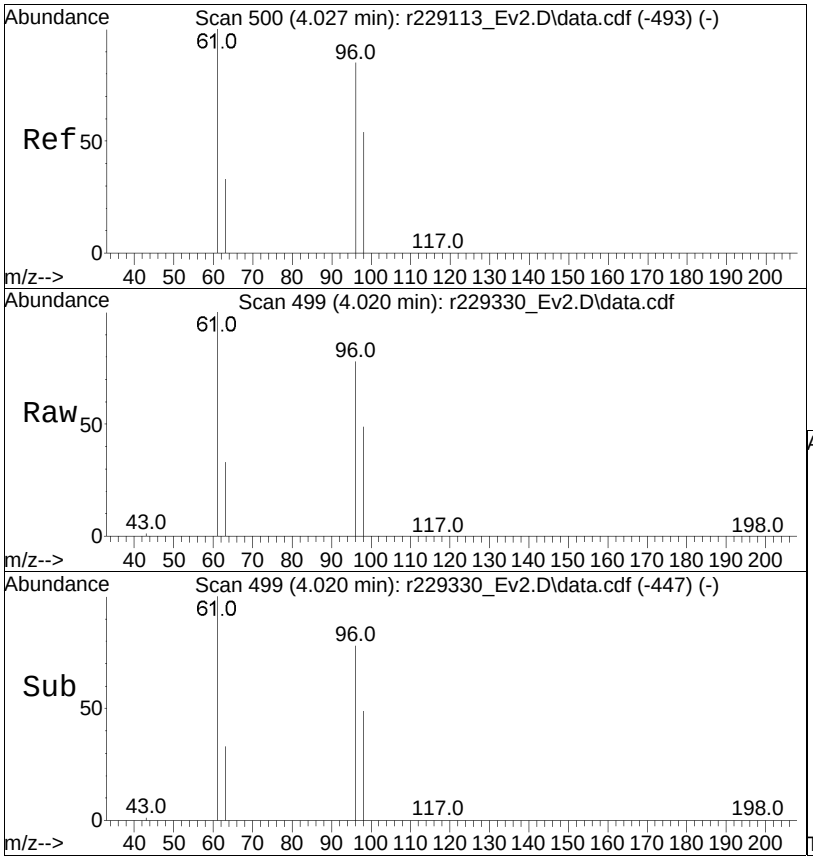


#22
Freon 113
Concen: 0.10 ppbV
RT: 3.715 min Scan# 451
Delta R.T. -0.010 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion:101 Resp: 4675

Ion	Ratio	Lower	Upper
101	100		
85	38.0	26.1	39.1
151	81.3	64.0	96.0

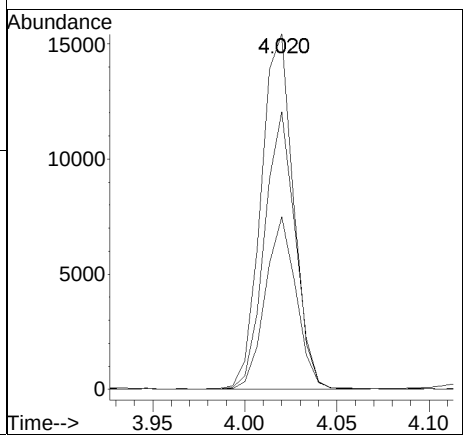


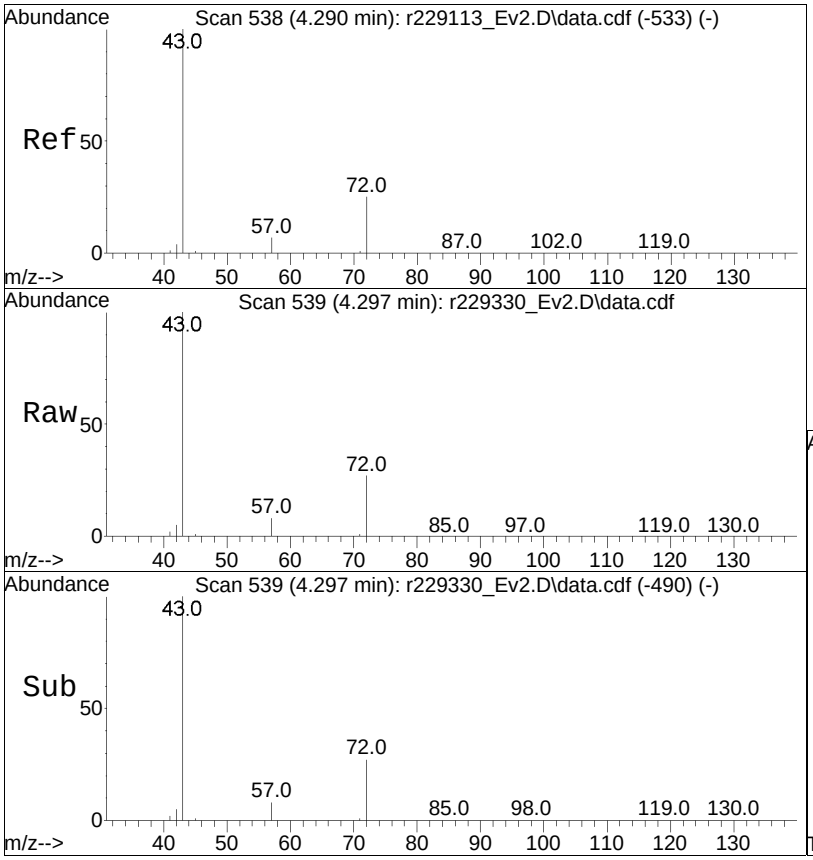


#23
trans-1,2-dichloroethene
Concen: 0.59 ppbV
RT: 4.020 min Scan# 499
Delta R.T. -0.007 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion: 61 Resp: 18850

Ion	Ratio	Lower	Upper
61	100		
96	78.1	68.3	102.5
98	48.5	43.0	64.4

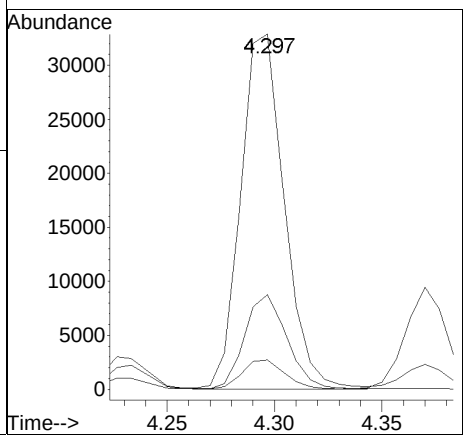


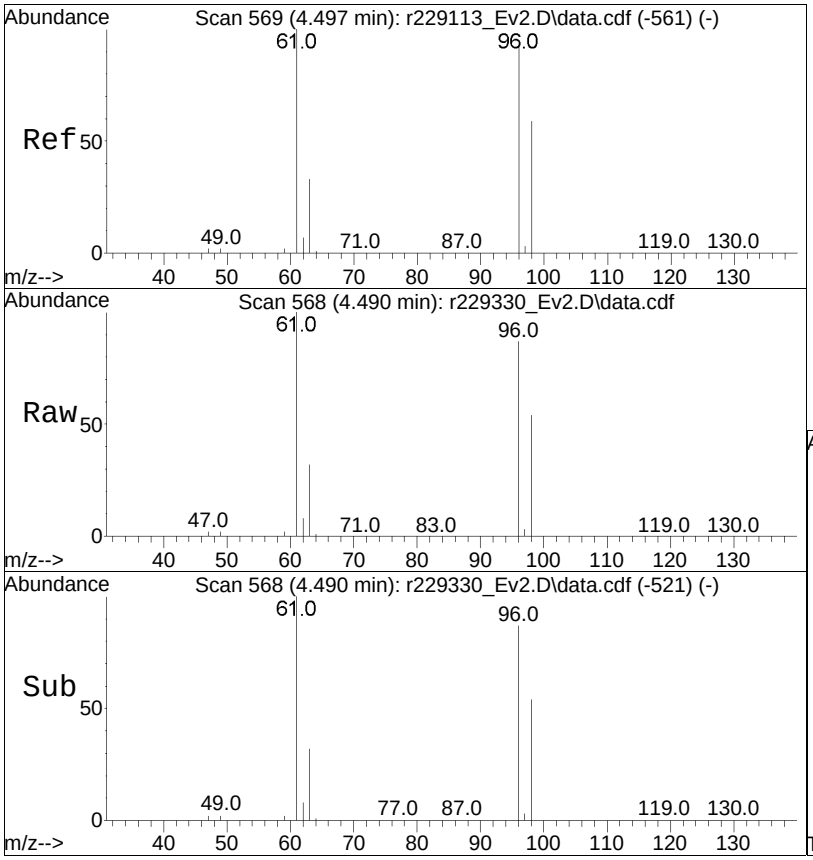


#27
2-butanone
Concen: 0.83 ppbV
RT: 4.297 min Scan# 539
Delta R.T. 0.007 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion: 43 Resp: 46284

Ion	Ratio	Lower	Upper
43	100		
72	26.7	20.2	30.4
57	8.3	5.4	8.0#

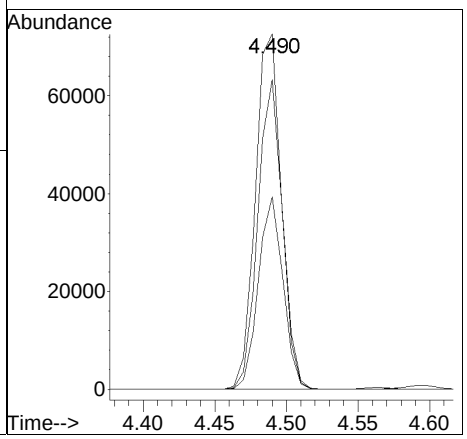


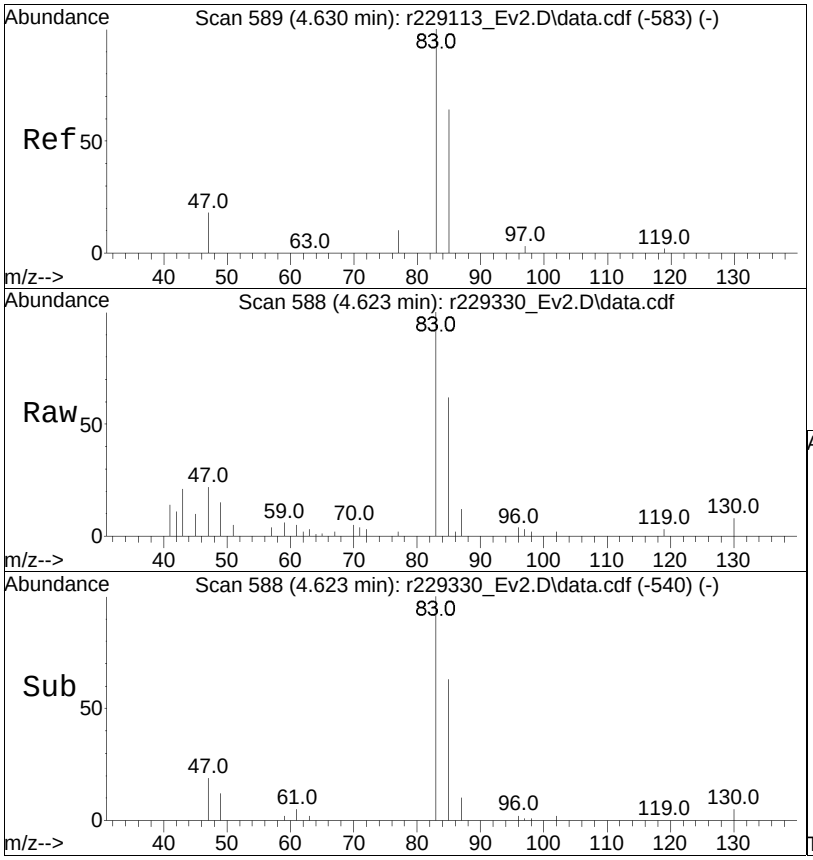


#28
cis-1,2-dichloroethene
Concen: 2.75 ppbV
RT: 4.490 min Scan# 568
Delta R.T. -0.007 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion: 61 Resp: 91333

Ion	Ratio	Lower	Upper
61	100		
96	87.2	75.9	113.9
98	54.2	47.6	71.4

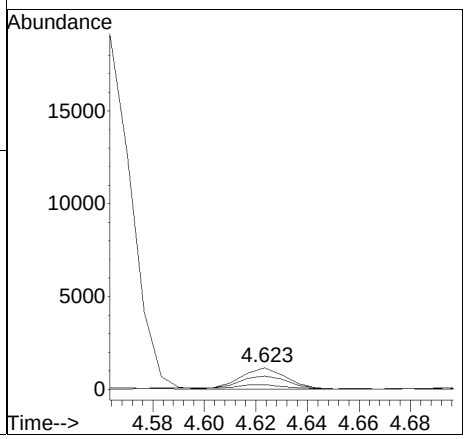


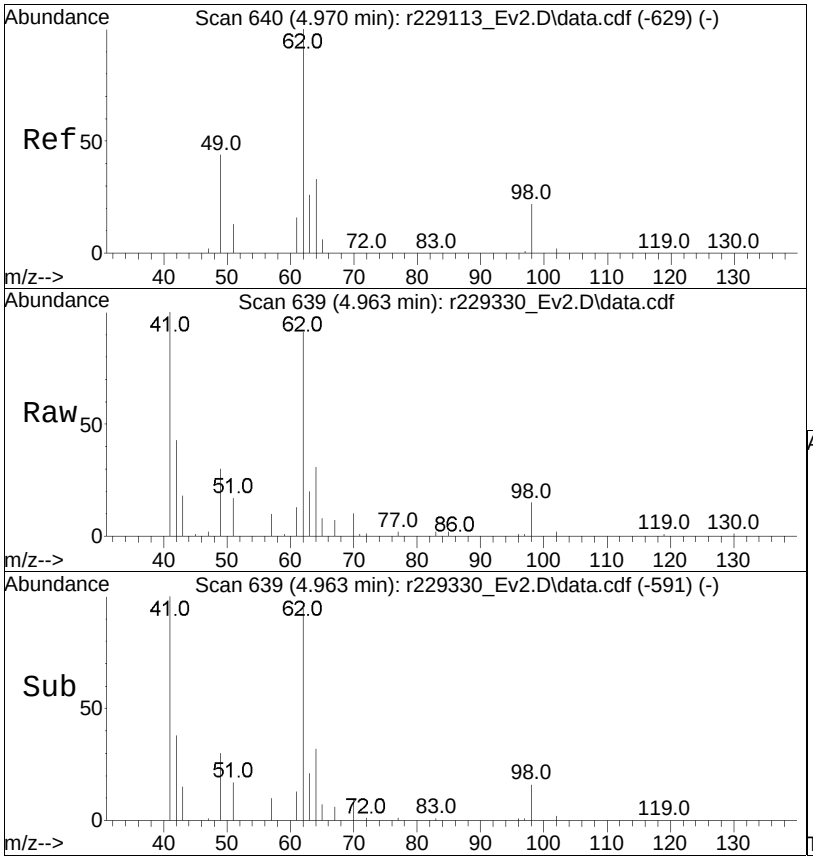


#30
chloroform
Concen: 0.04 ppbV
RT: 4.623 min Scan# 588
Delta R.T. -0.007 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion: 83 Resp: 1403

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.8	77.6
47	22.4	16.1	24.1

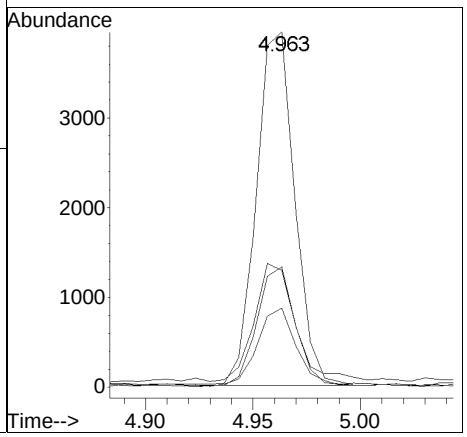


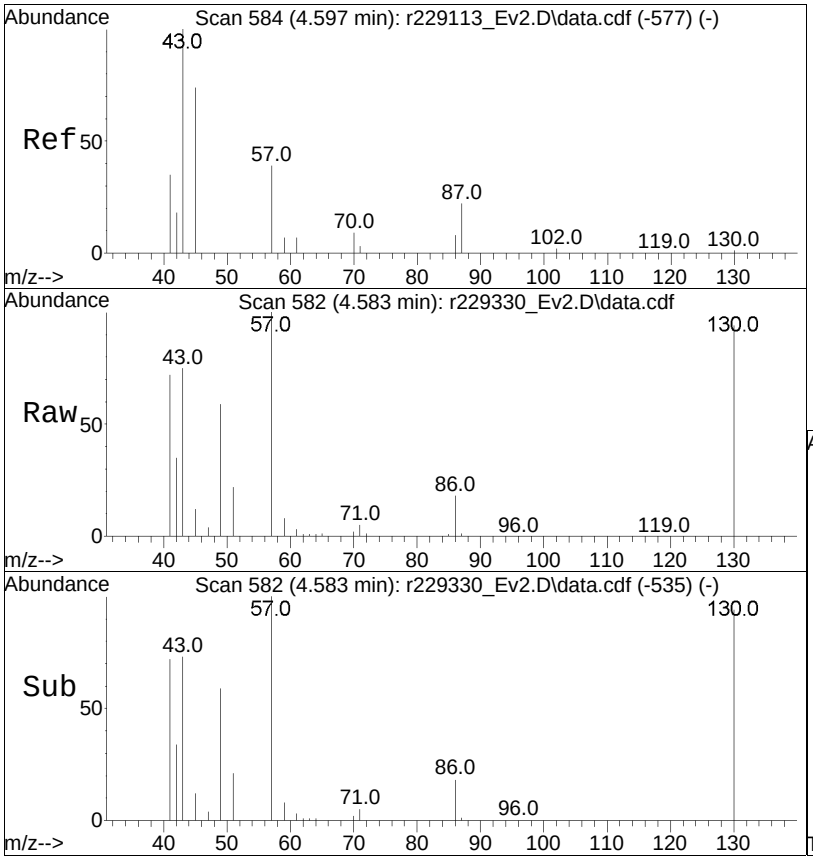


#32
1,2-dichloroethane
Concen: 0.24 ppbV
RT: 4.963 min Scan# 639
Delta R.T. -0.007 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion: 62 Resp: 4896

Ion	Ratio	Lower	Upper
62	100		
64	33.9	26.8	40.2
49	33.0	35.7	53.5#
63	22.3	21.0	31.6

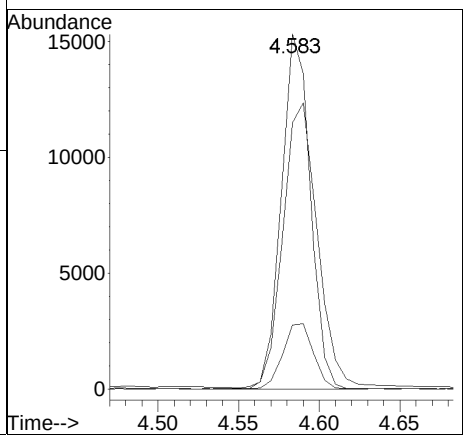


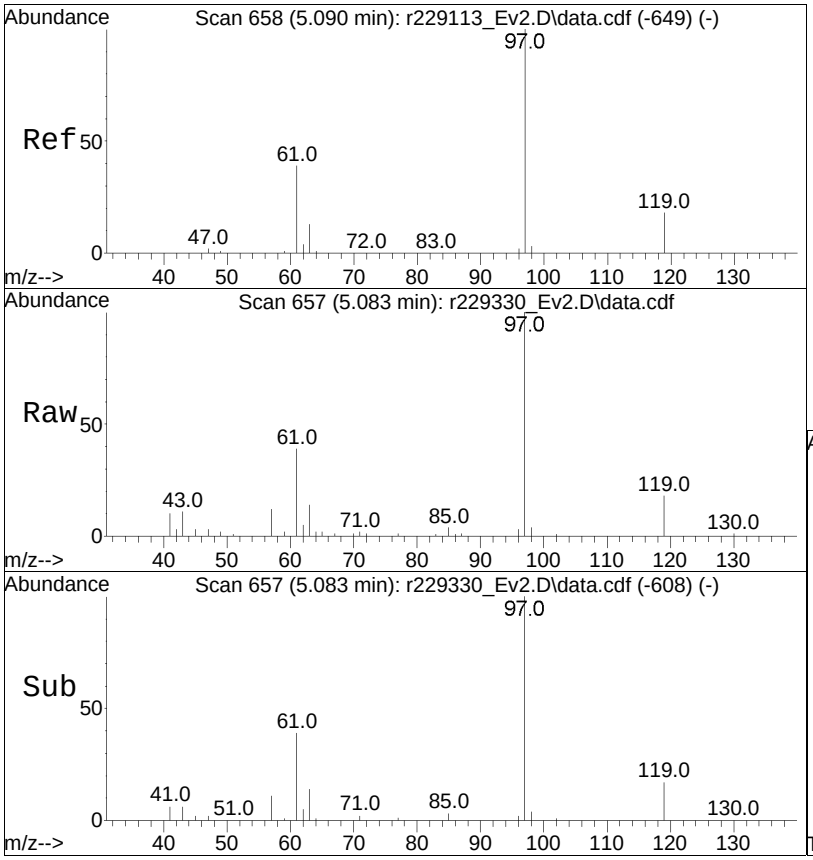


#34
hexane
Concen: 0.52 ppbV
RT: 4.583 min Scan# 582
Delta R.T. -0.013 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion: 57 Resp: 19160

Ion	Ratio	Lower	Upper
57	100		
43	75.0	207.8	311.8#
86	18.1	17.5	26.3

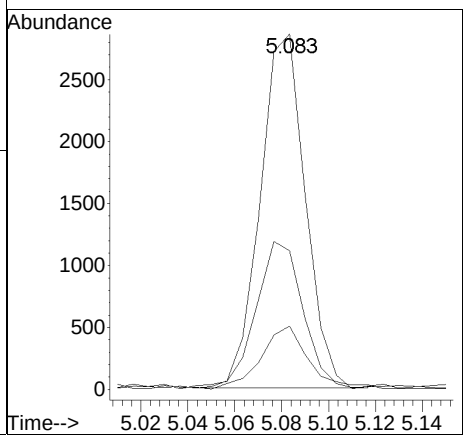


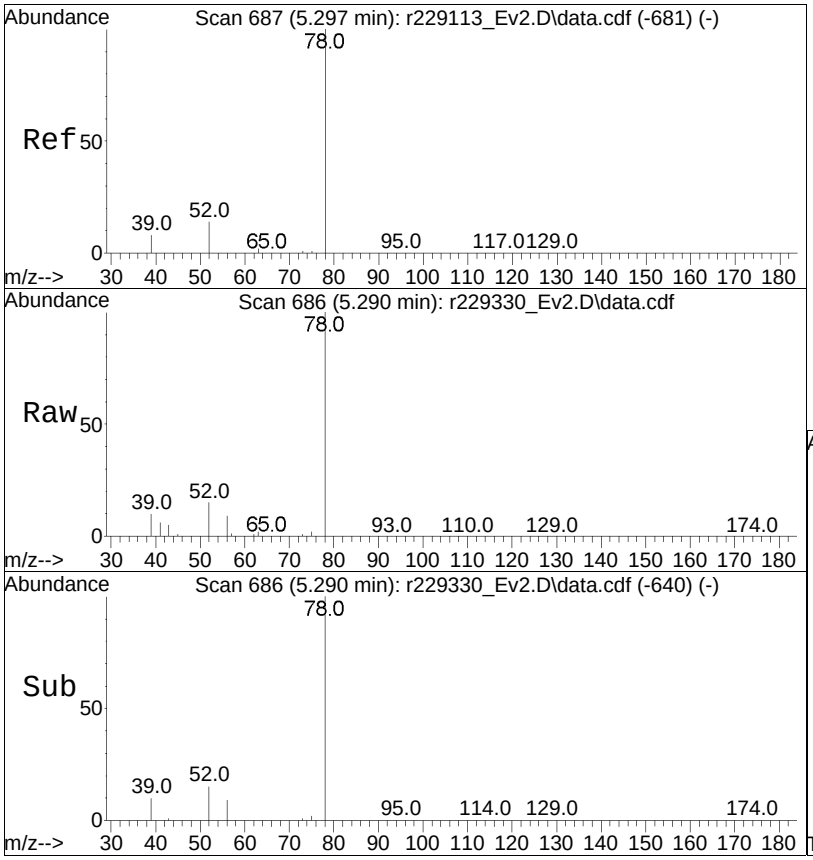


#36
1,1,1-trichloroethane
Concen: 0.12 ppbV
RT: 5.083 min Scan# 657
Delta R.T. -0.007 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion: 97 Resp: 3823

Ion	Ratio	Lower	Upper
97	100		
61	39.1	31.5	47.3
119	17.8	14.2	21.4

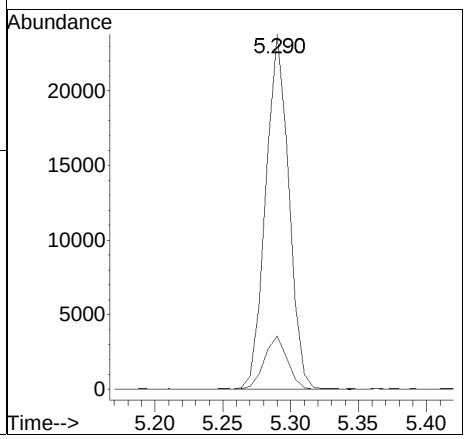


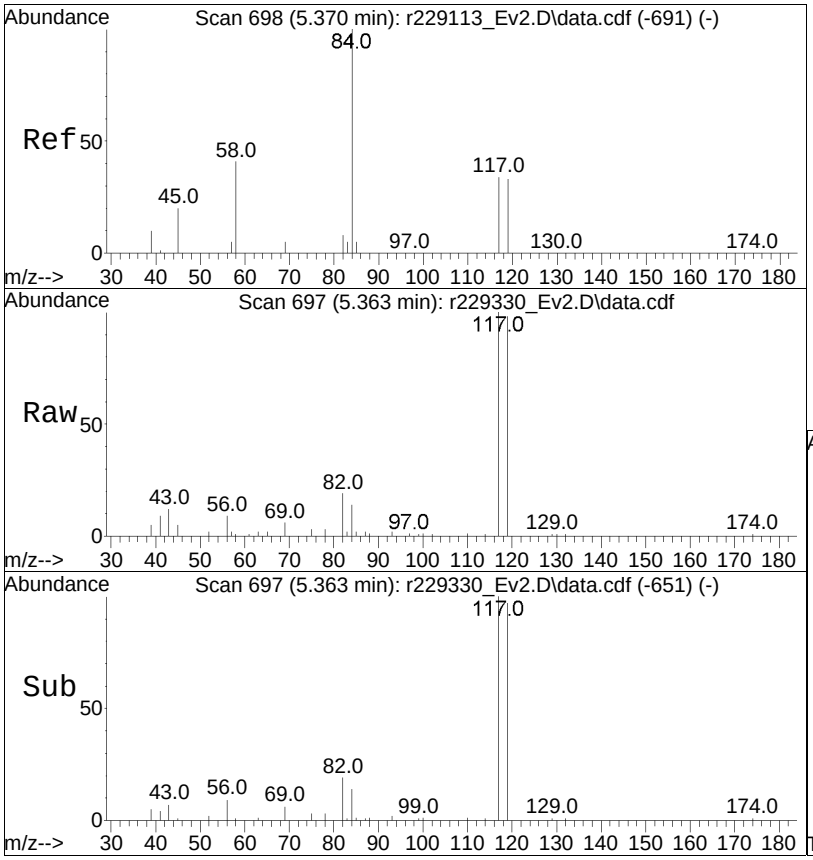


#37
benzene
Concen: 0.31 ppbV
RT: 5.290 min Scan# 686
Delta R.T. -0.007 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion: 78 Resp: 28285

Ion	Ratio	Lower	Upper
78	100		
52	15.0	11.3	16.9

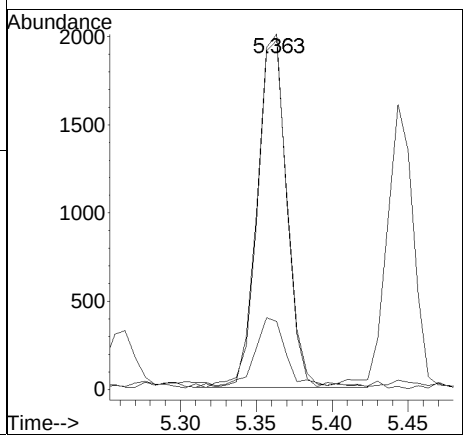


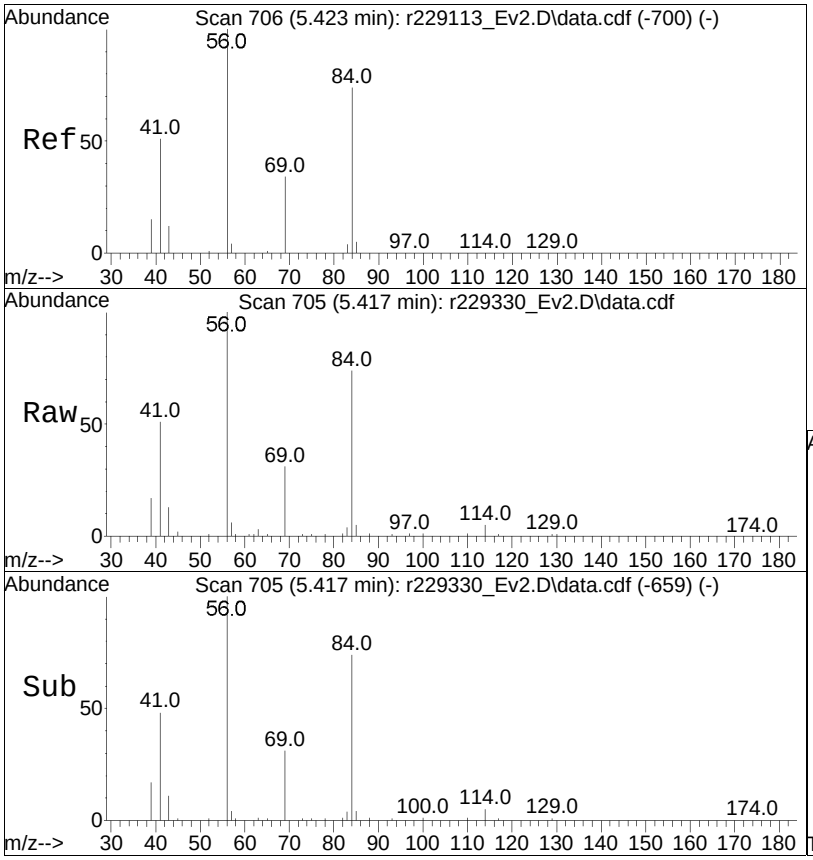


#38
carbon tetrachloride
Concen: 0.11 ppbV
RT: 5.363 min Scan# 697
Delta R.T. -0.007 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion:117 Resp: 2697

Ion	Ratio	Lower	Upper
117	100		
119	98.3	77.7	116.5
82	19.1	19.5	29.3#

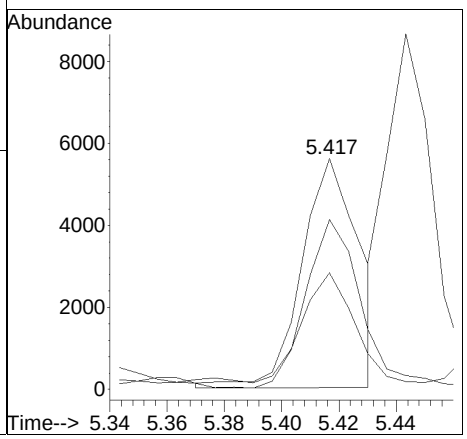


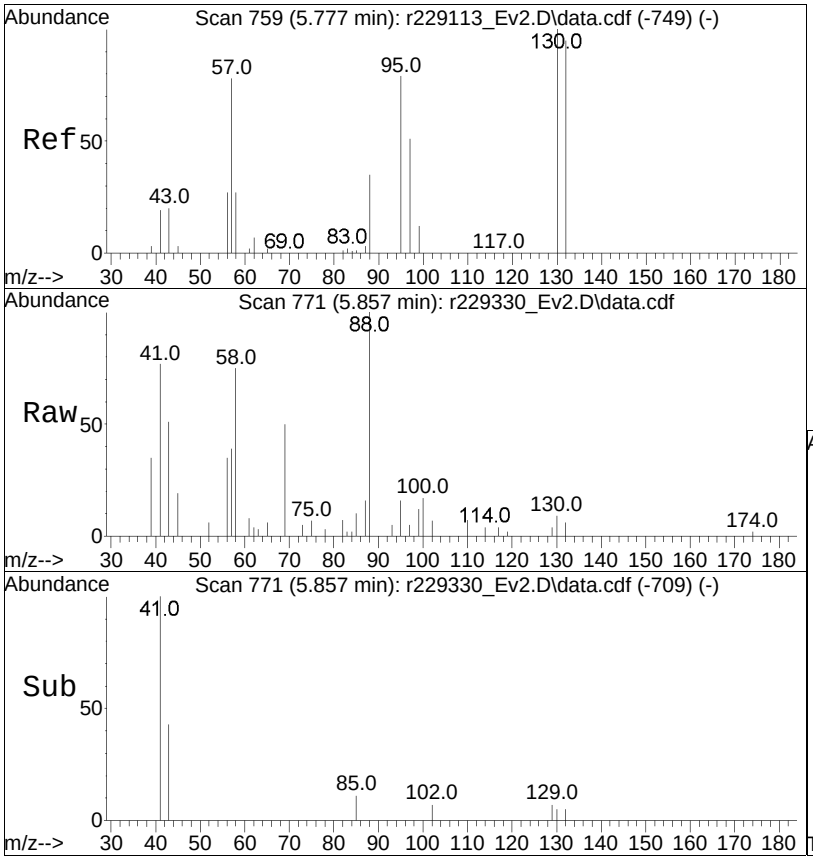


#39
cyclohexane
Concen: 0.17 ppbV
RT: 5.417 min Scan# 705
Delta R.T. -0.007 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion: 56 Resp: 7766

Ion	Ratio	Lower	Upper
56	100		
84	73.6	64.6	96.8
41	50.5	41.3	61.9

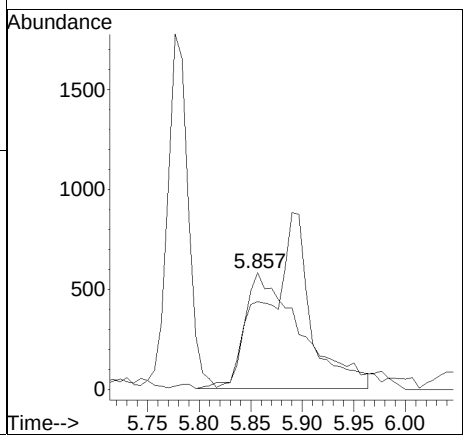


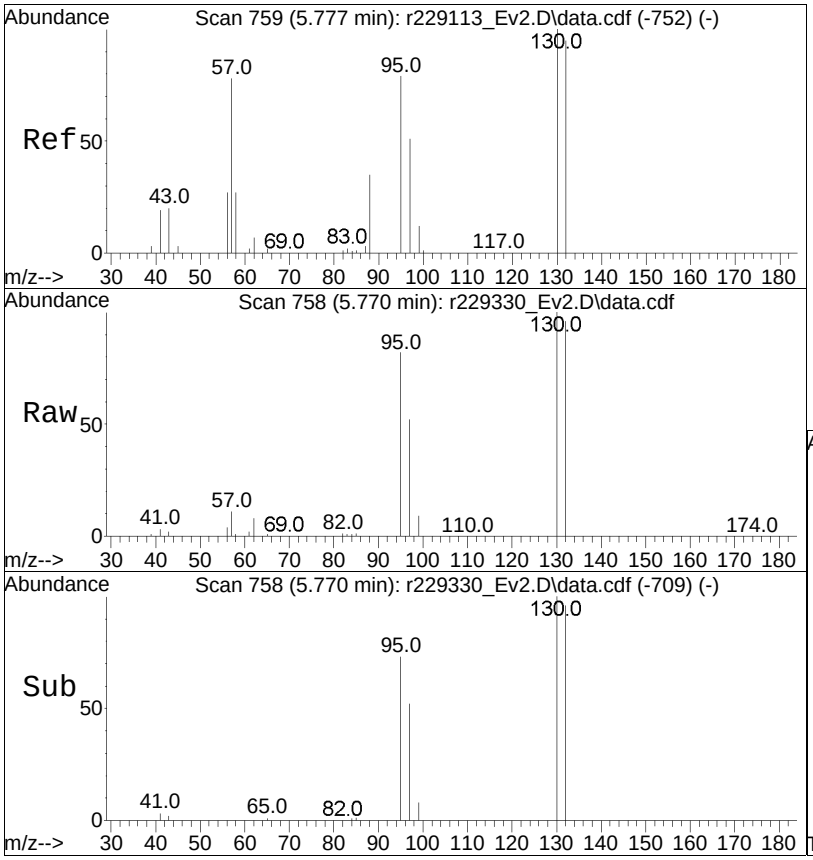


#43
1,4-dioxane
Concen: 0.11 ppbV
RT: 5.857 min Scan# 771
Delta R.T. 0.080 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion: 88 Resp: 2239

Ion	Ratio	Lower	Upper
88	100		
58	75.2	63.0	94.6

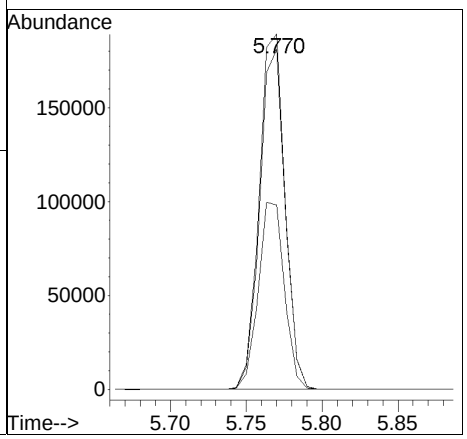


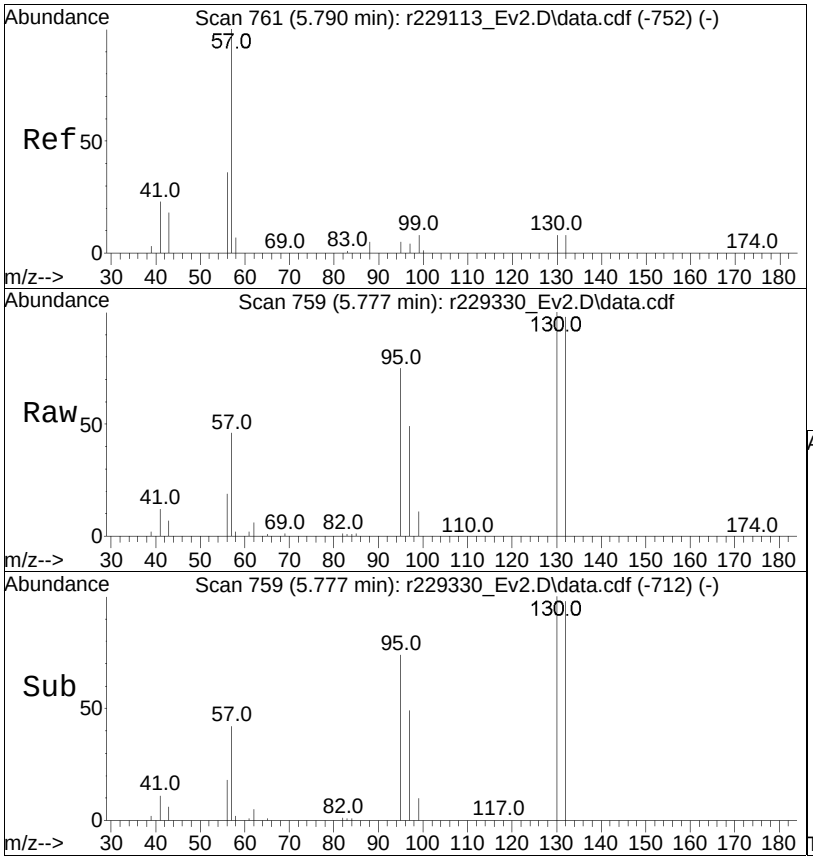


#44
trichloroethene
Concen: 5.38 ppbV
RT: 5.770 min Scan# 758
Delta R.T. -0.007 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion:130 Resp: 224134

Ion	Ratio	Lower	Upper
130	100		
132	95.7	76.1	114.1
97	51.9	40.7	61.1

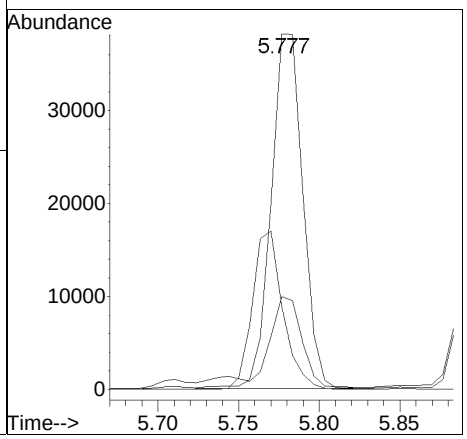


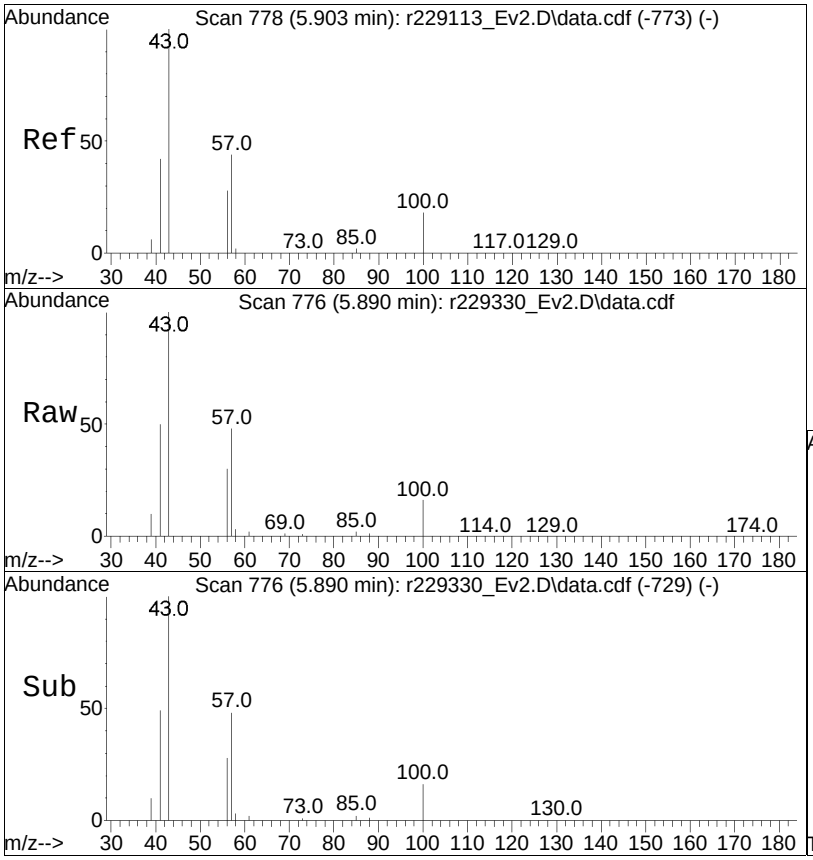


#45
2,2,4-trimethylpentane
Concen: 0.44 ppbV
RT: 5.777 min Scan# 759
Delta R.T. -0.013 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion: 57 Resp: 52464

Ion	Ratio	Lower	Upper
57	100		
99	23.4	6.0	9.0#
41	26.1	18.6	28.0

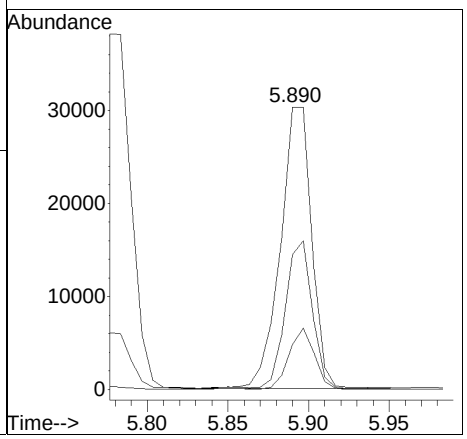


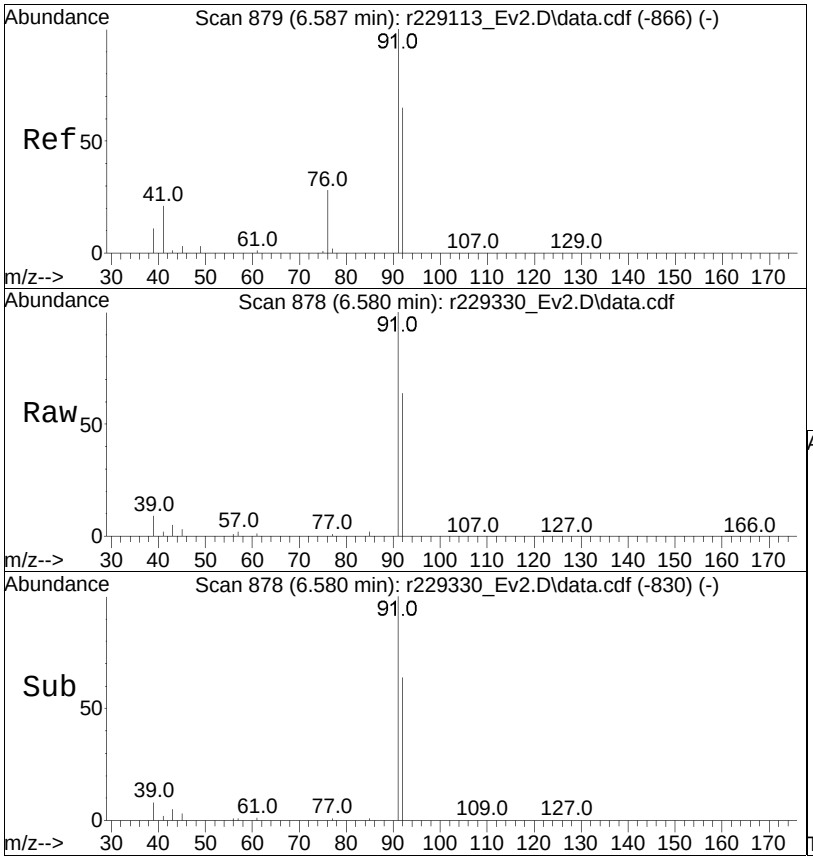


#46
heptane
Concen: 0.77 ppbV
RT: 5.890 min Scan# 776
Delta R.T. -0.013 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion: 43 Resp: 41247

Ion	Ratio	Lower	Upper
43	100		
57	47.8	35.6	53.4
100	15.9	16.6	24.8#

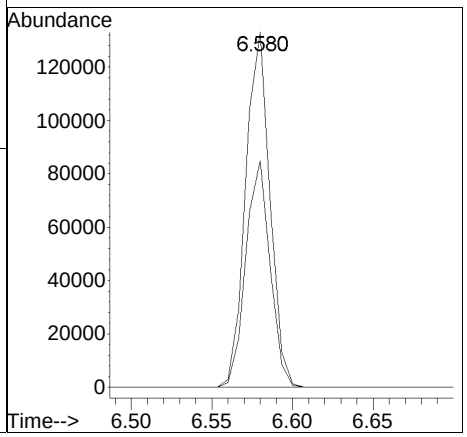


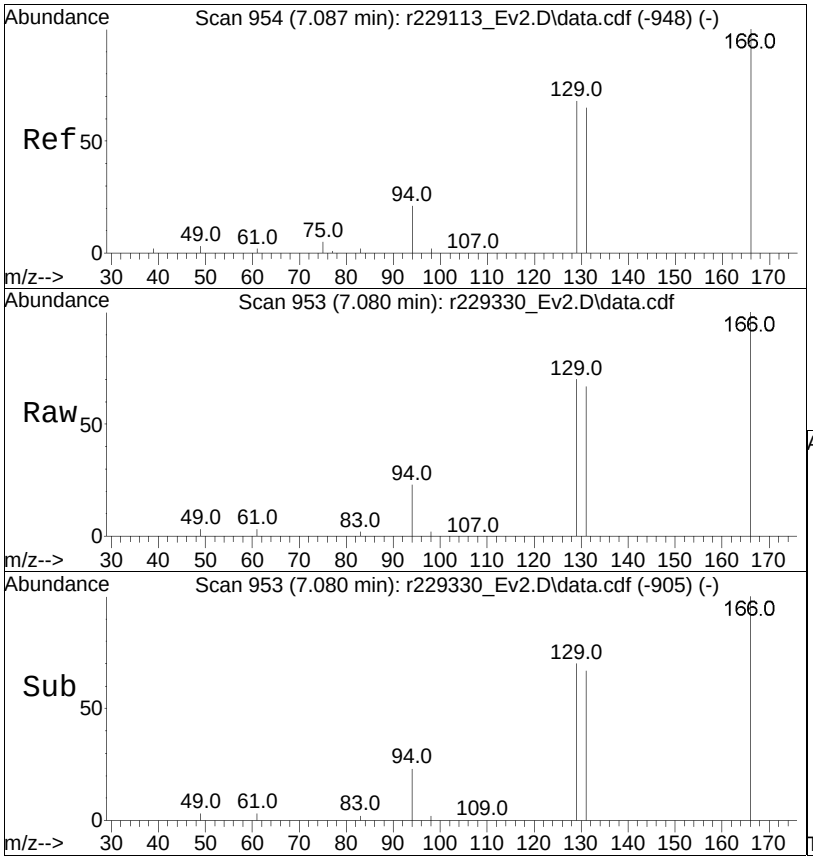


#52
toluene
Concen: 1.05 ppbV
RT: 6.580 min Scan# 878
Delta R.T. -0.007 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion: 91 Resp: 139938

Ion	Ratio	Lower	Upper
91	100		
92	63.9	52.2	78.2

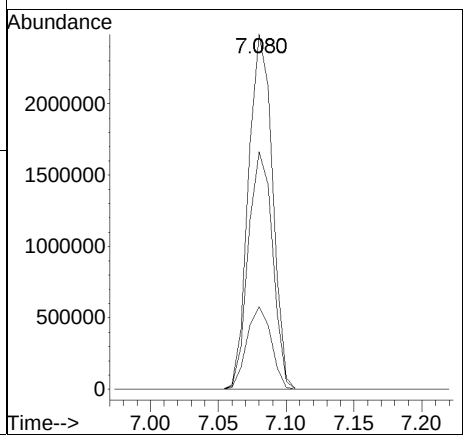


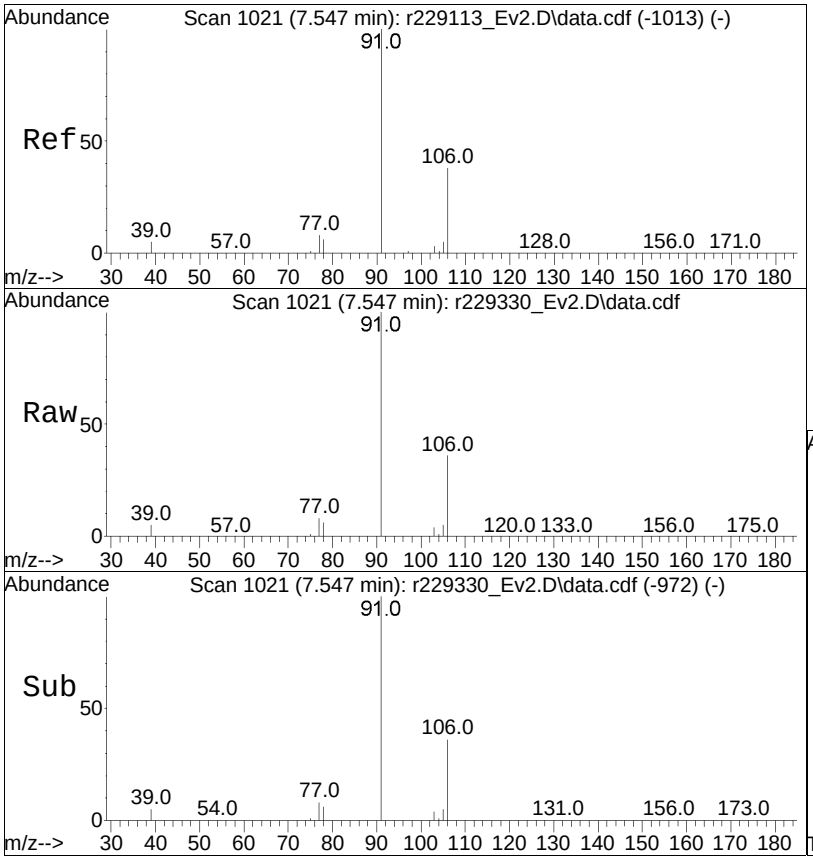


#57
tetrachloroethene
Concen: 47.53 ppbV
RT: 7.080 min Scan# 953
Delta R.T. -0.007 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion:166 Resp: 3064438

Ion	Ratio	Lower	Upper
166	100		
131	66.8	51.9	77.9
94	23.3	16.6	24.8

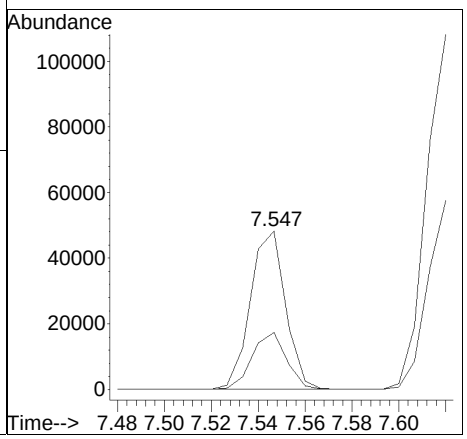


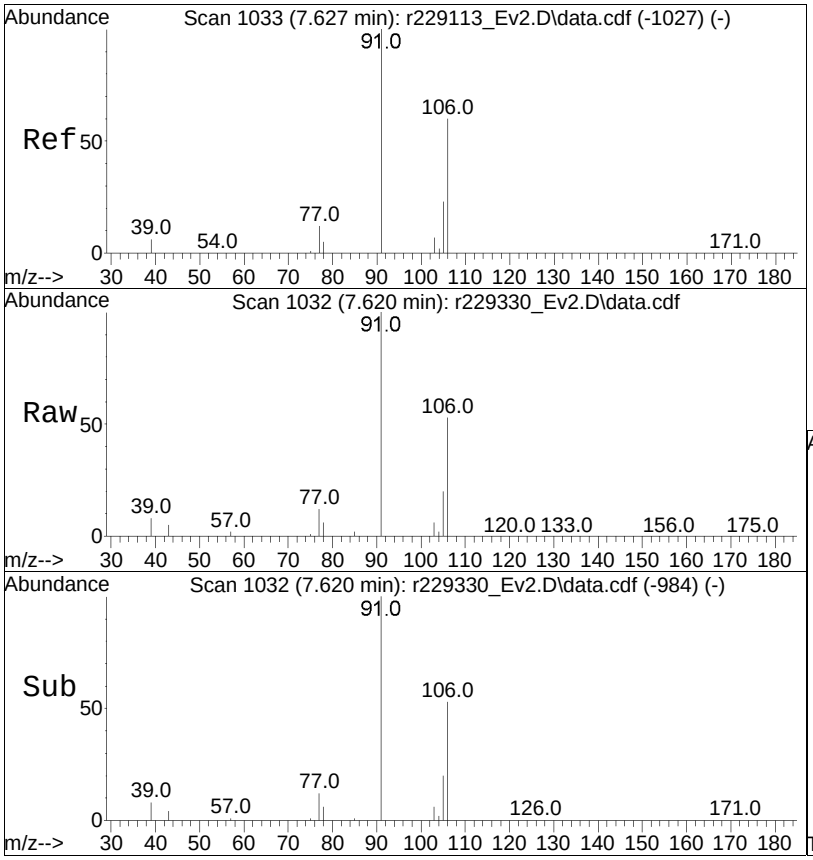


#60
ethylbenzene
Concen: 0.31 ppbV
RT: 7.547 min Scan# 1021
Delta R.T. 0.000 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion: 91 Resp: 50473

Ion	Ratio	Lower	Upper
91	100		
106	36.0	30.4	45.6

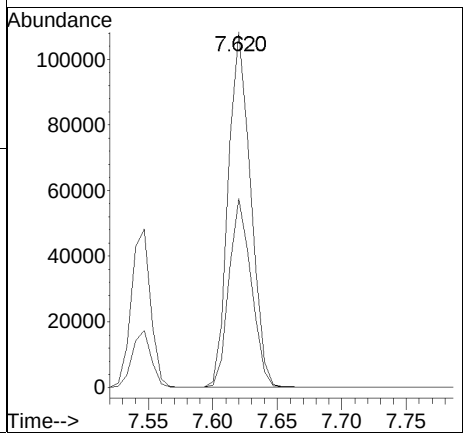


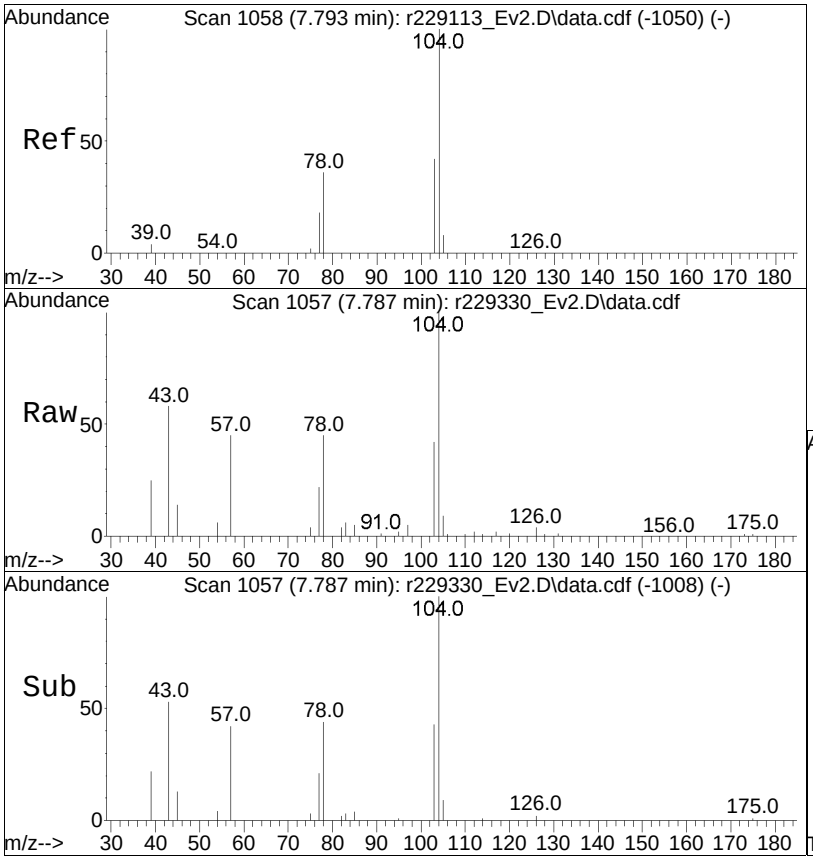


#61
m+p-xylene
Concen: 1.02 ppbV
RT: 7.620 min Scan# 1032
Delta R.T. -0.007 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion: 91 Resp: 131012

Ion	Ratio	Lower	Upper
91	100		
106	53.2	48.2	72.2

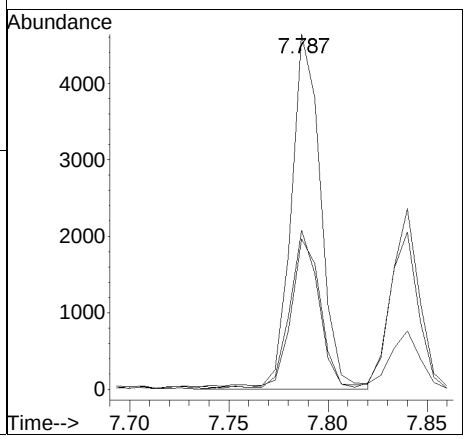


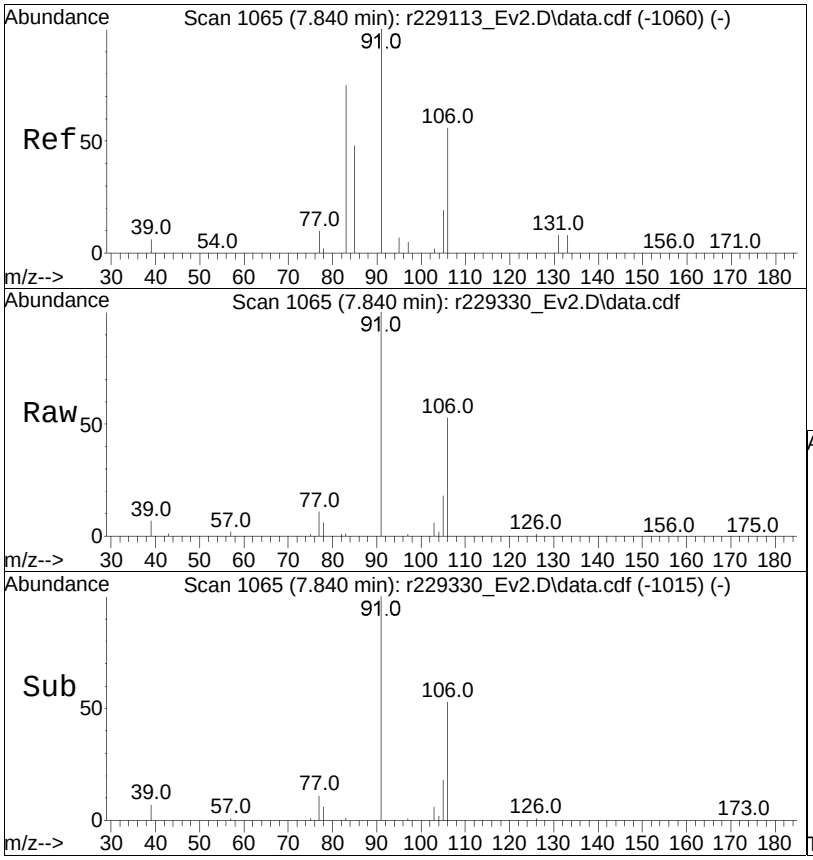


#63
styrene
Concen: 0.04 ppbV
RT: 7.787 min Scan# 1057
Delta R.T. -0.007 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion:104 Resp: 4793

Ion	Ratio	Lower	Upper
104	100		
103	42.4	33.7	50.5
78	44.8	28.9	43.3#

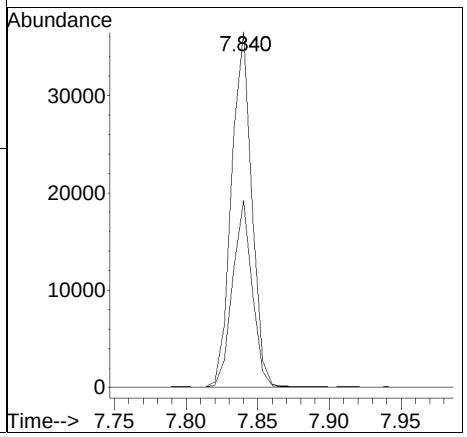


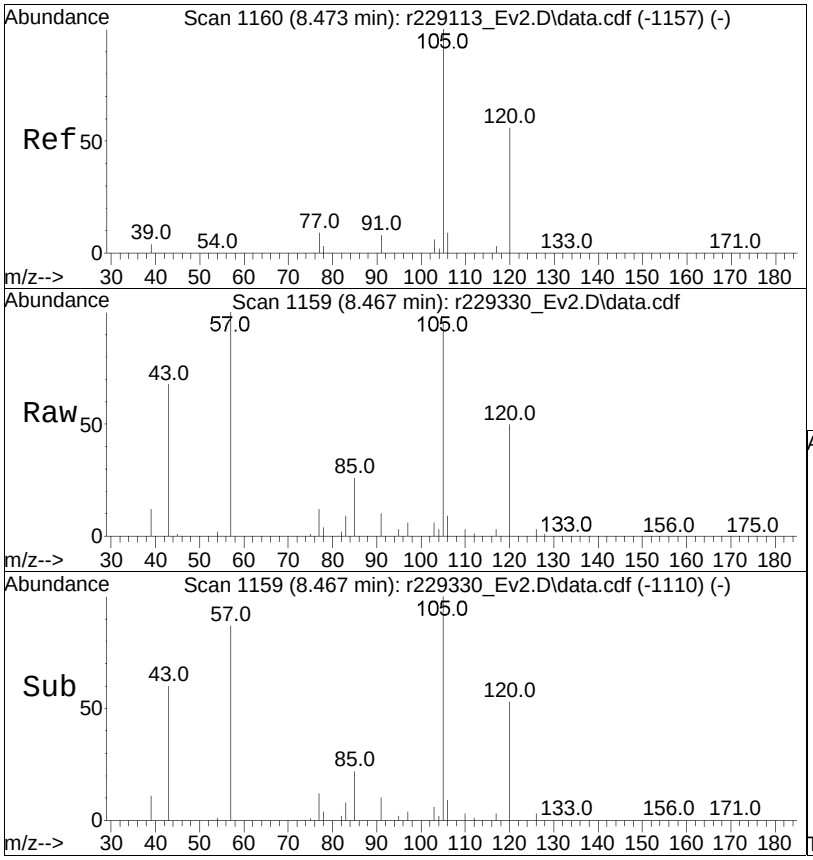


#65
o-xylene
Concen: 0.28 ppbV
RT: 7.840 min Scan# 1065
Delta R.T. 0.000 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion: 91 Resp: 36107

Ion	Ratio	Lower	Upper
91	100		
106	52.6	44.8	67.2

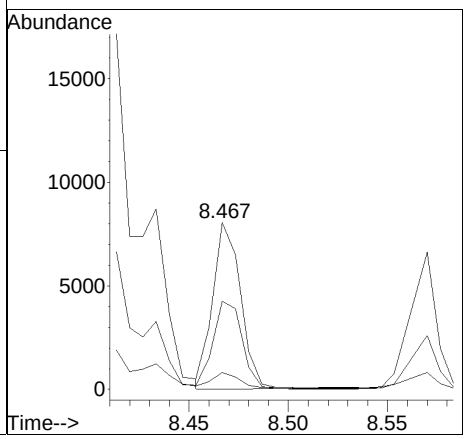


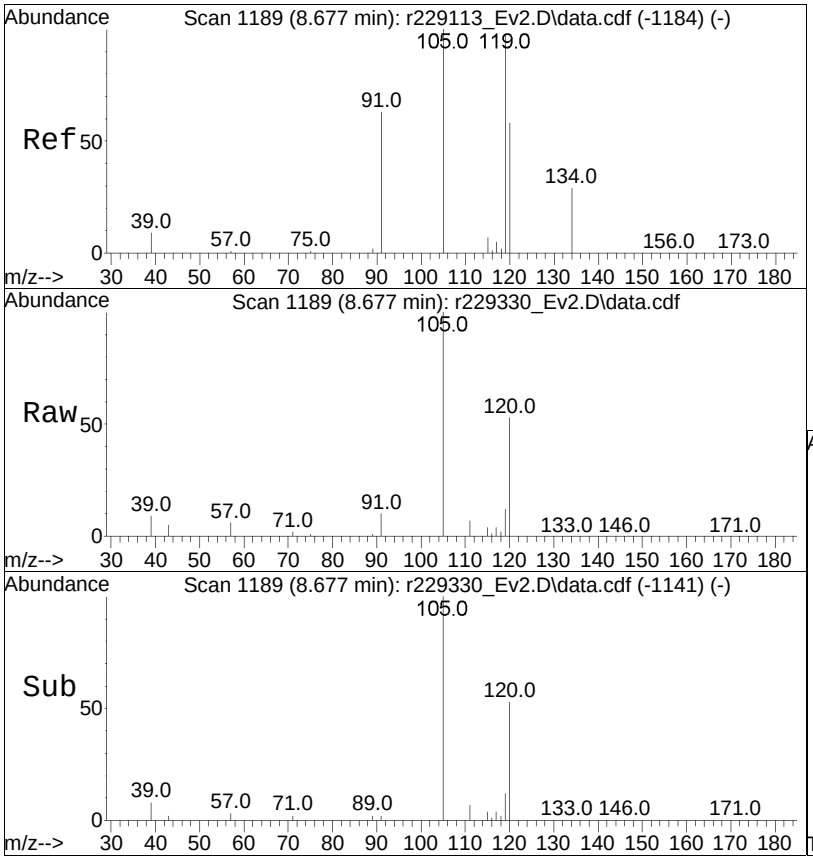


#71
1,3,5-trimethylbenzene
Concen: 0.05 ppbV
RT: 8.467 min Scan# 1159
Delta R.T. -0.007 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion:105 Resp: 7956

Ion	Ratio	Lower	Upper
105	100		
120	52.9	44.2	66.4
91	10.1	6.2	9.4#

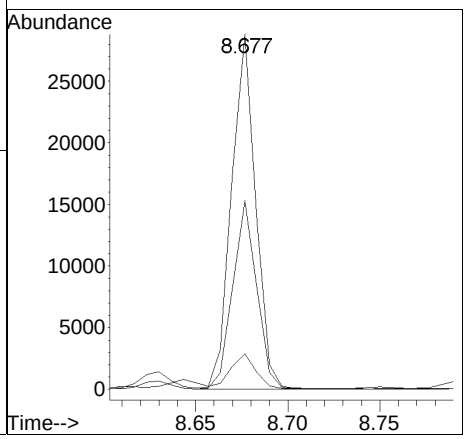


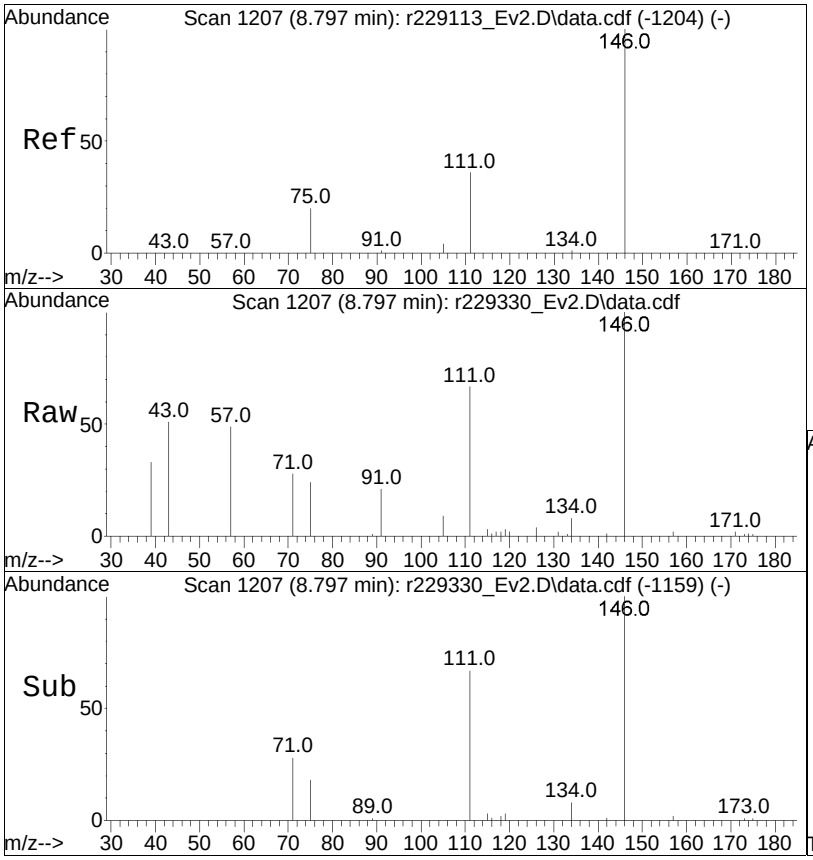


#73
1,2,4-trimethylbenzene
Concen: 0.17 ppbV
RT: 8.677 min Scan# 1189
Delta R.T. 0.000 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion:105 Resp: 26269

Ion	Ratio	Lower	Upper
105	100		
120	53.1	46.5	69.7
91	10.0	50.3	75.5#

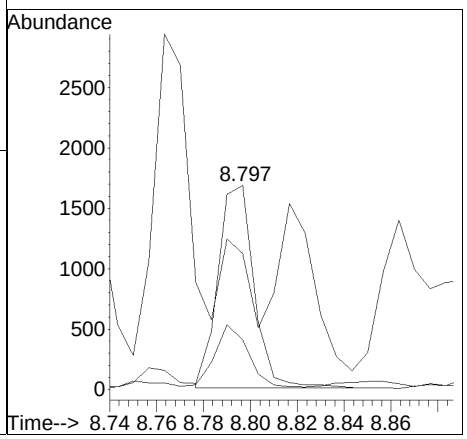


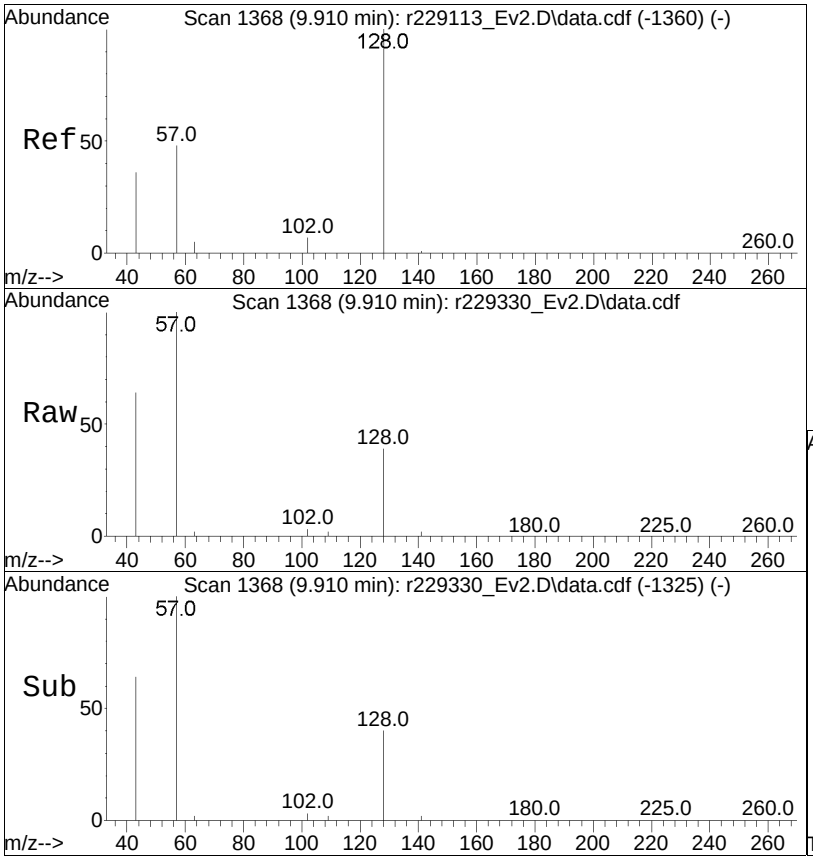


#76
1,4-dichlorobenzene
Concen: 0.02 ppbV
RT: 8.797 min Scan# 1207
Delta R.T. 0.000 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion:146 Resp: 1800

Ion	Ratio	Lower	Upper
146	100		
111	66.7	28.4	42.6#
75	24.3	16.1	24.1#

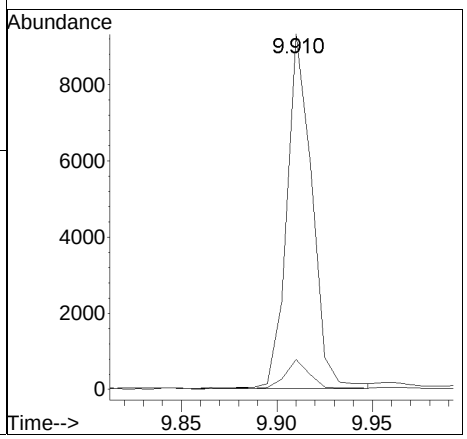




#83
naphthalene
Concen: 0.04 ppbV
RT: 9.910 min Scan# 1368
Delta R.T. 0.000 min
Lab File: r229330_Ev2.D
Acq: 20 Feb 2025 12:24 AM

Tgt Ion:128 Resp: 8545

Ion	Ratio	Lower	Upper
128	100		
102	8.4	5.5	8.3#



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab22\20	QMethod	: TSIM22_250206.M
Data File	: r229330_Ev2.D	Operator	: AIRLAB22:TPH
Date Inj'd	: 2/20/2025 12:24 AM	Instrument	:
Sample	: L2506387-02,3,250,250	Quant Date	: 2/20/2025 7:50 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229331_Ev2.D
Acq On : 20 Feb 2025 12:58 AM
Operator : AIRLAB22:TPH
Sample : L2506387-03,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 20 07:51:05 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0219SIM\r229324_Ev2.D
Sub List : NYDEC-SIM - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	4.563	49	309834	10.000	ppbV	0.00
Standard Area = 316137			Recovery = 98.01%			
33) 1,4-difluorobenzene	5.443	114	974901	10.000	ppbV	-0.01
Standard Area = 1013027			Recovery = 96.24%			
51) chlorobenzene-D5	7.353	54	128317	10.000	ppbV	#-0.01
Standard Area = 123842			Recovery = 103.61%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	2.510	85	22199	0.633	ppbV	100
4) chloromethane	2.585	50	11168	0.556	ppbV	96
5) Freon-114	2.630	85	882	0.022	ppbV	91
6) vinyl chloride	2.685	62	760	0.035	ppbV	93
8) bromomethane	2.860	94	423	0.023	ppbV	98
9) chloroethane	2.929	64	170	0.015	ppbV #	63
10) ethanol	2.974	31	559894	44.900	ppbV	94
14) trichlorofluoromethane	3.265	101	7431	0.314	ppbV	98
17) 1,1-dichloroethene	3.540		0	N.D.		
18) tertiary butyl alcohol	0.000		0	N.D.	d	
19) methylene chloride	3.595	49	6478	0.231	ppbV	90
22) Freon 113	3.715	101	3381	0.069	ppbV	94
23) trans-1,2-dichloroethene	4.020	61	8559	0.268	ppbV	92
24) 1,1-dichloroethane	4.107		0	N.D.		
25) MTBE	4.153		0	N.D.		
27) 2-butanone	4.290	43	34036	0.604	ppbV #	97
28) cis-1,2-dichloroethene	4.490	61	38988	1.167	ppbV	93
30) chloroform	4.623	83	1340	0.035	ppbV	94
32) 1,2-dichloroethane	4.963	62	2187	0.106	ppbV #	92
34) hexane	4.583	57	16752	0.453	ppbV	85
36) 1,1,1-trichloroethane	5.077	97	1937	0.059	ppbV	93
37) benzene	5.290	78	25221	0.278	ppbV	98
38) carbon tetrachloride	5.357	117	2668	0.105	ppbV #	95
39) cyclohexane	0.000		0	N.D.	d	
41) 1,2-dichloropropane	5.657		0	N.D.		
42) bromodichloromethane	0.000		0	N.D.	d	
43) 1,4-dioxane	5.817	88	847	0.042	ppbV	88
44) trichloroethene	5.763	130	97681	2.348	ppbV	97

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229331_Ev2.D
Acq On : 20 Feb 2025 12:58 AM
Operator : AIRLAB22:TPH
Sample : L2506387-03,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 20 07:51:05 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0219SIM\r229324_Ev2.D
Sub List : NYDEC-SIM - .

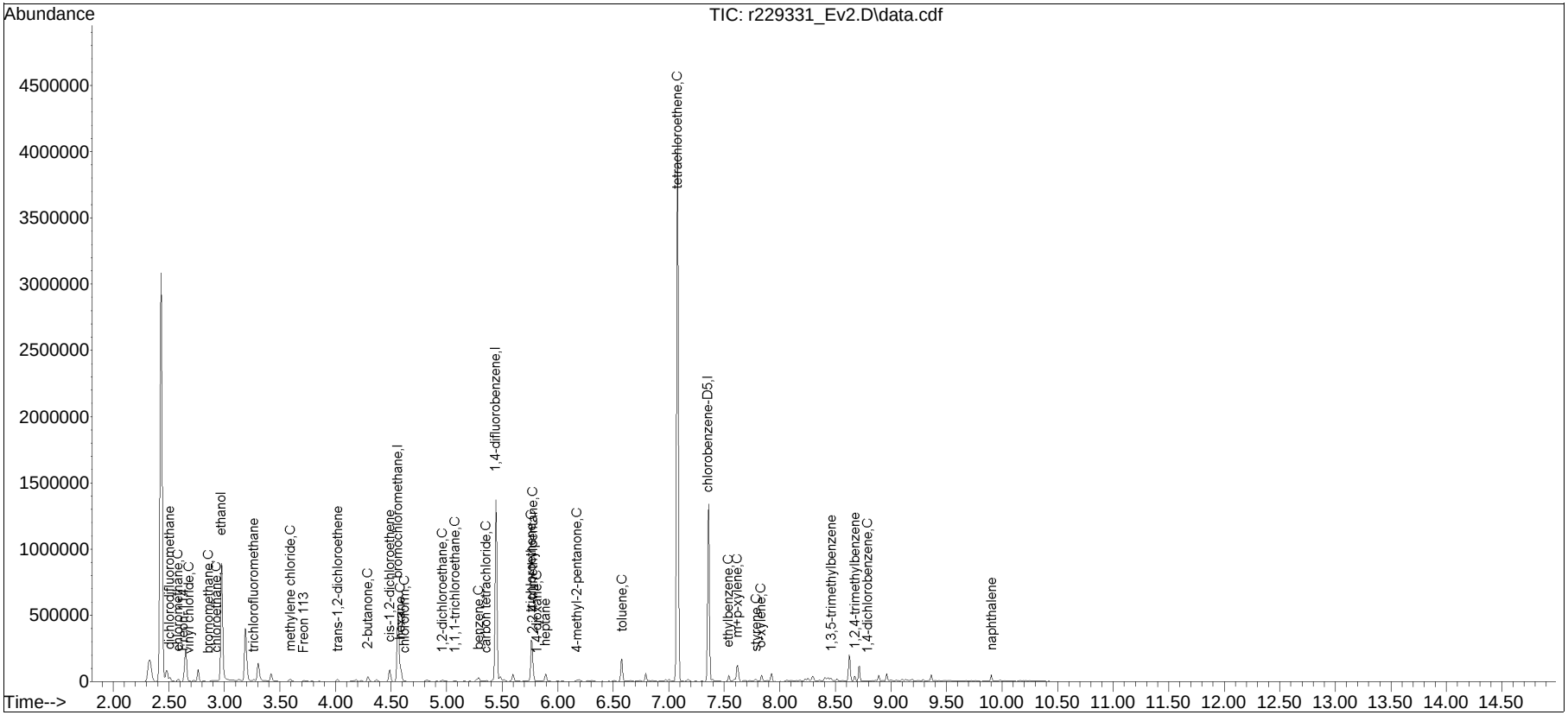
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 2,2,4-trimethylpentane	5.777	57	28289	0.238	ppbV #	87
46) heptane	5.890	43	26870	0.501	ppbV	91
47) cis-1,3-dichloropropene	0.000		0	N.D.		
48) 4-methyl-2-pentanone	6.173	43	4809	0.077	ppbV	97
49) trans-1,3-dichloropropene	0.000		0	N.D.		
50) 1,1,2-trichloroethane	0.000		0	N.D.		
52) toluene	6.580	91	96669	0.715	ppbV	99
55) dibromochloromethane	0.000		0	N.D.		
56) 1,2-dibromoethane	6.880		0	N.D.		
57) tetrachloroethene	7.080	166	1660001	25.464	ppbV	95
59) chlorobenzene	7.387		0	N.D.		
60) ethylbenzene	7.540	91	28185	0.171	ppbV	94
61) m+p-xylene	7.620	91	71597	0.552	ppbV	91
62) bromoform	7.667		0	N.D.		
63) styrene	7.787	104	4956	0.041	ppbV #	93
64) 1,1,2,2-tetrachloroethane	7.740		0	N.D.		
65) o-xylene	7.833	91	22120	0.170	ppbV	90
71) 1,3,5-trimethylbenzene	8.467	105	5314	0.034	ppbV #	98
73) 1,2,4-trimethylbenzene	8.677	105	18692	0.121	ppbV #	63
74) Benzyl Chloride	0.000		0	N.D.	d	
75) 1,3-dichlorobenzene	8.757		0	N.D.		
76) 1,4-dichlorobenzene	8.790	146	1291	0.011	ppbV #	60
79) 1,2-dichlorobenzene	8.970		0	N.D.		
82) 1,2,4-trichlorobenzene	9.857		0	N.D.		
83) naphthalene	9.910	128	6063	0.026	ppbV	97
85) hexachlorobutadiene	0.000		0	N.D.		

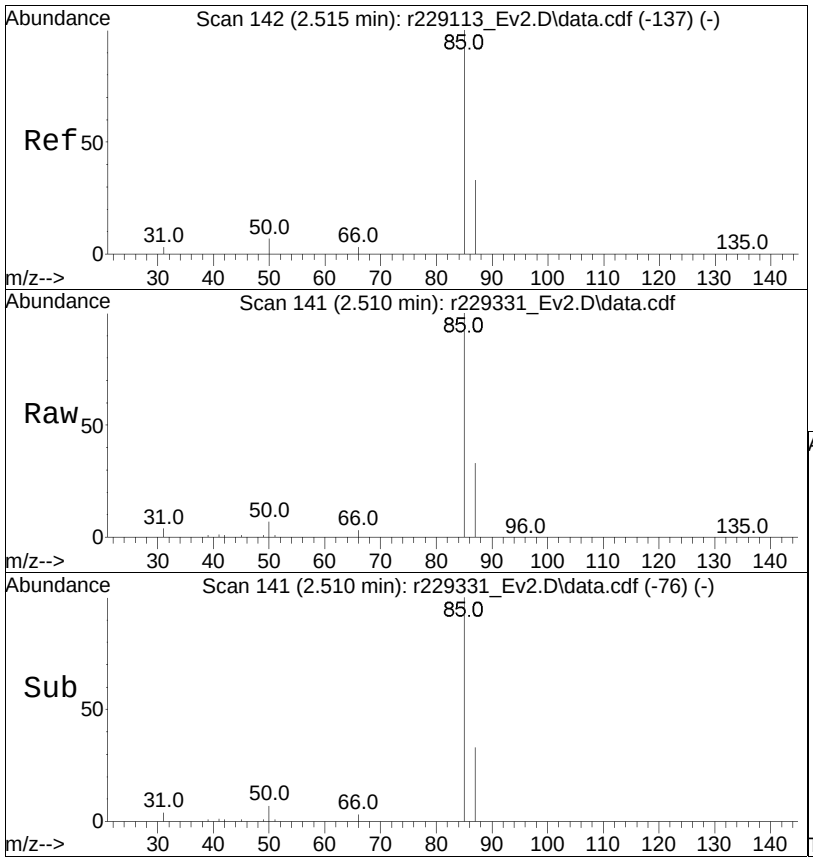
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : NYDEC-SIM - .a\Airlab22\2025\02\0219SIM\r229324_Ev2.D

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229331_Ev2.D
Acq On : 20 Feb 2025 12:58 AM
Operator : AIRLAB22:TPH
Sample : L2506387-03,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 20 07:51:05 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

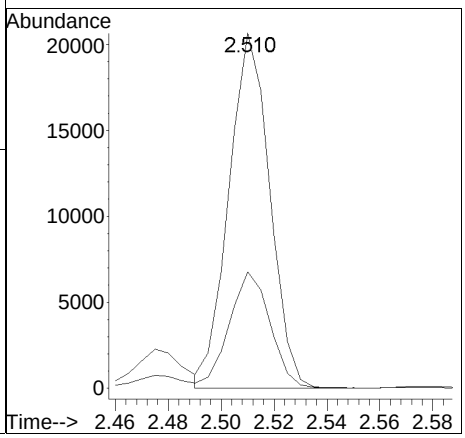


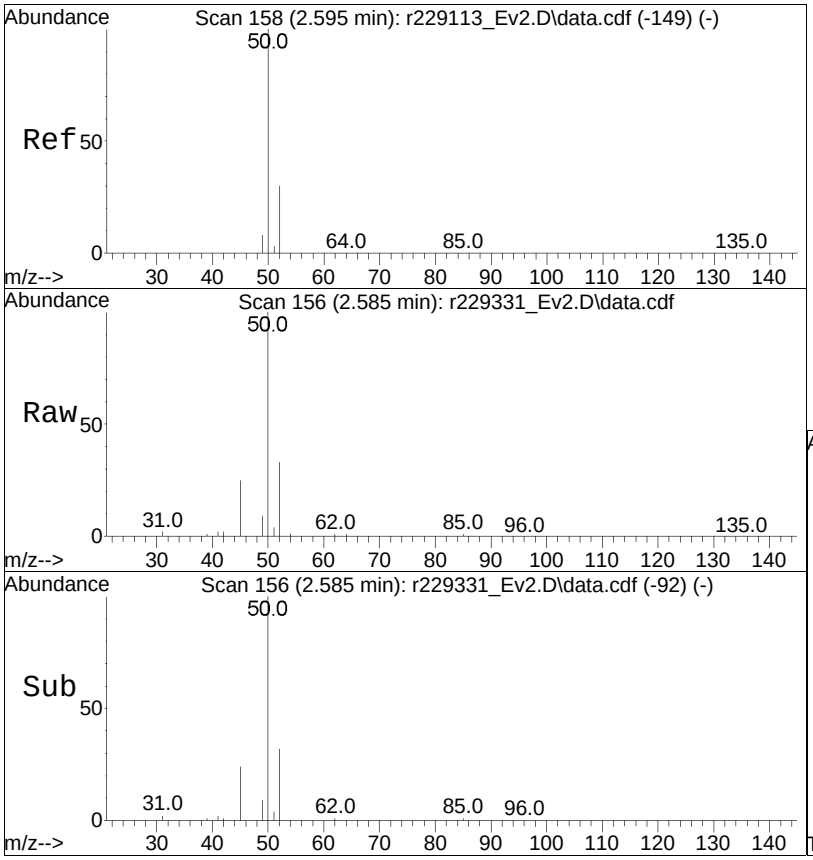


#3
dichlorodifluoromethane
Concen: 0.63 ppbV
RT: 2.510 min Scan# 141
Delta R.T. -0.005 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion: 85 Resp: 22199

Ion	Ratio	Lower	Upper
85	100		
87	32.8	26.2	39.2

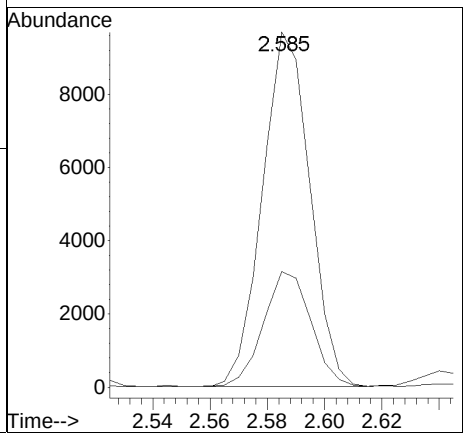


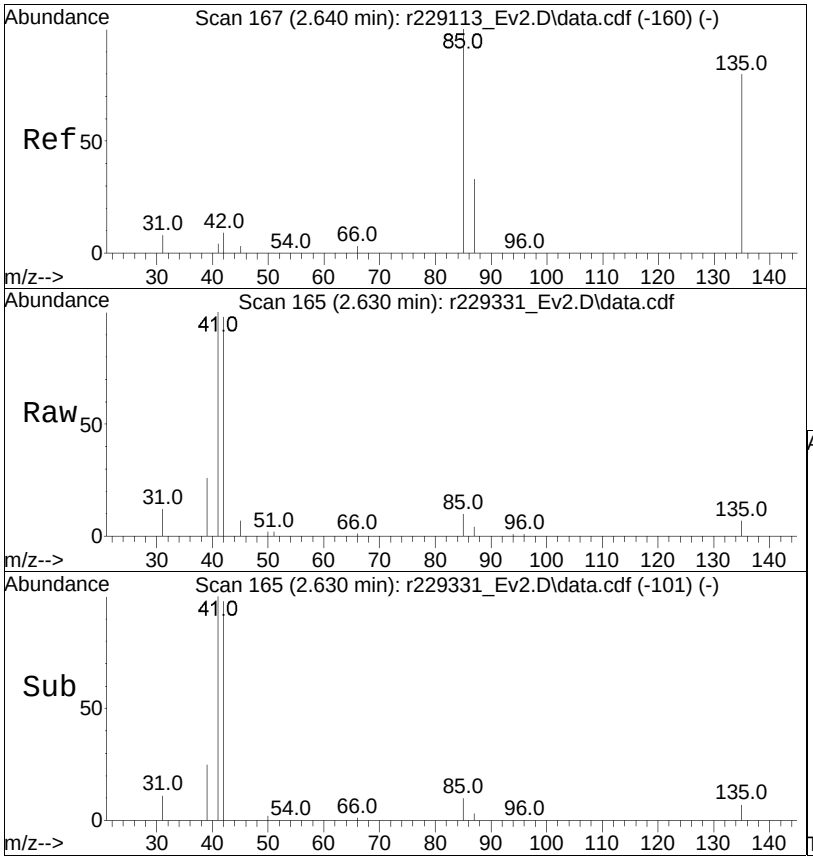


#4
chloromethane
Concen: 0.56 ppbV
RT: 2.585 min Scan# 156
Delta R.T. -0.010 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion: 50 Resp: 11168

Ion	Ratio	Lower	Upper
50	100		
52	32.6	24.3	36.5

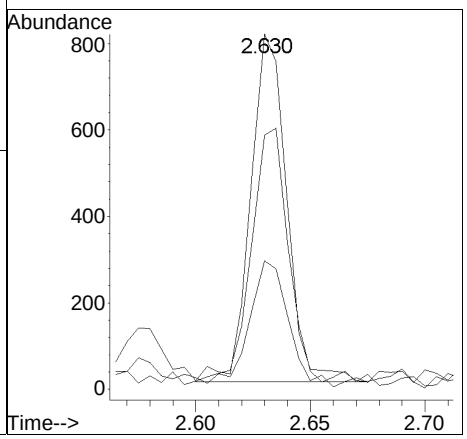


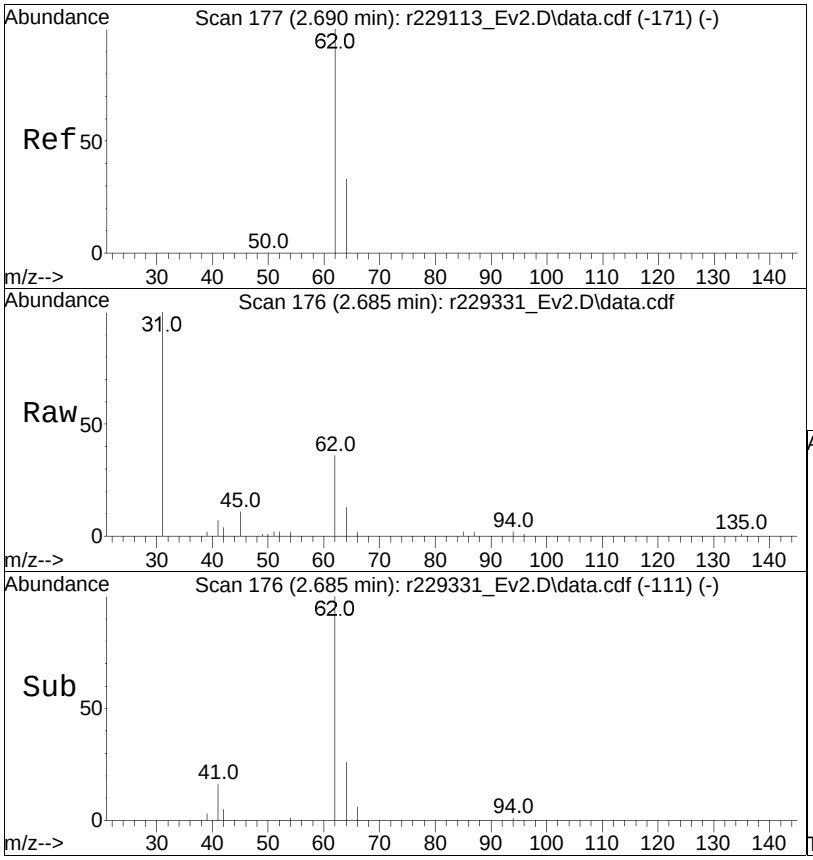


#5
Freon-114
Concen: 0.02 ppbV
RT: 2.630 min Scan# 165
Delta R.T. -0.010 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion: 85 Resp: 882

Ion	Ratio	Lower	Upper
85	100		
87	36.1	26.0	39.0
135	71.5	64.2	96.2

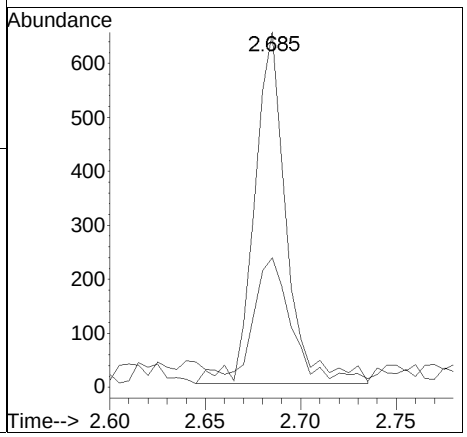


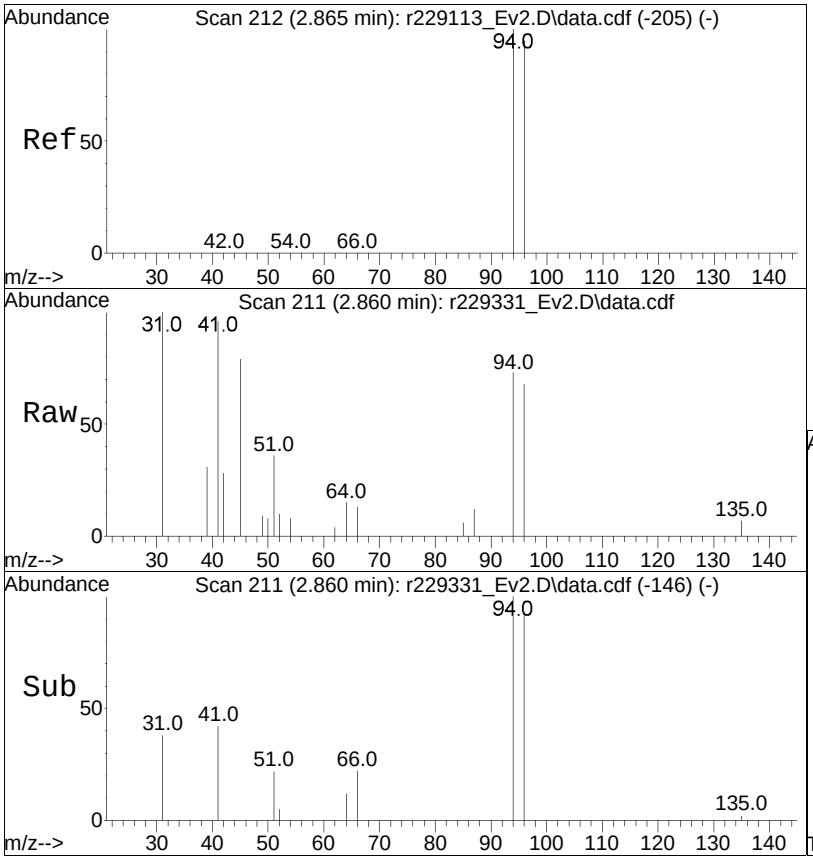


#6
vinyl chloride
Concen: 0.03 ppbV
RT: 2.685 min Scan# 176
Delta R.T. -0.005 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion: 62 Resp: 760

Ion	Ratio	Lower	Upper
62	100		
64	36.5	26.0	39.0

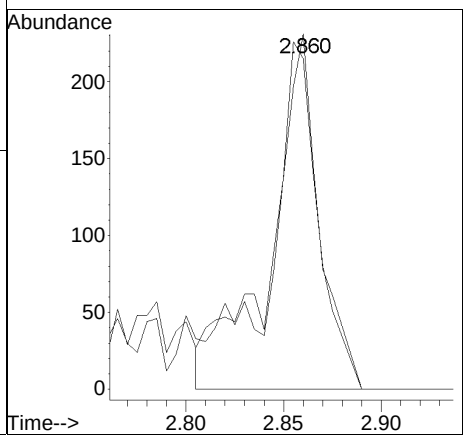


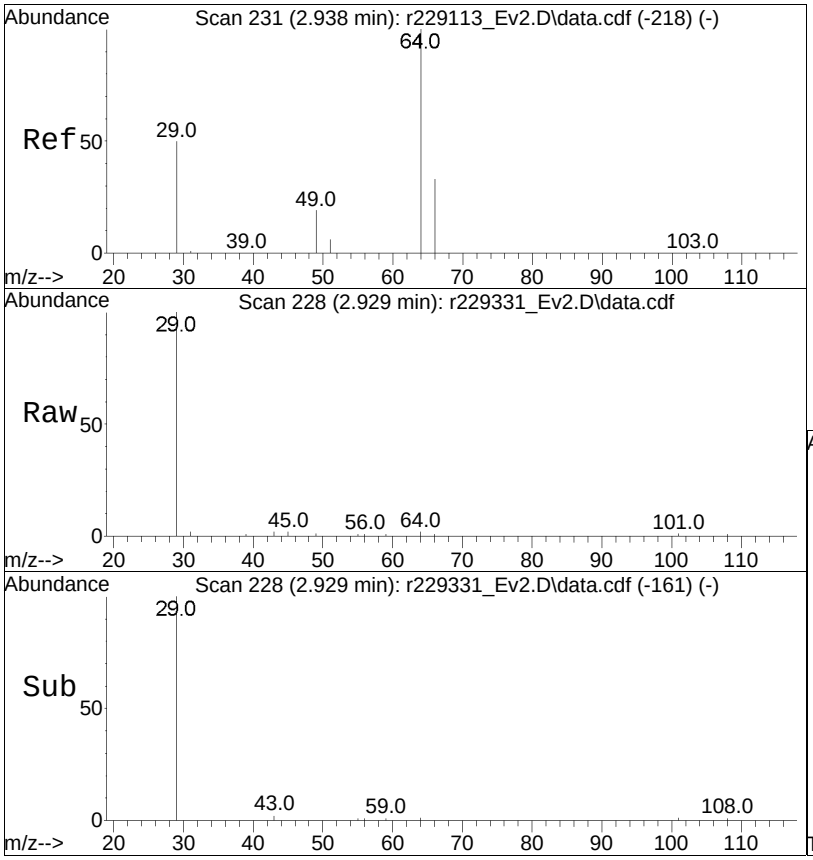


#8
bromomethane
Concen: 0.02 ppbV
RT: 2.860 min Scan# 211
Delta R.T. -0.005 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion: 94 Resp: 423

Ion	Ratio	Lower	Upper
94	100		
96	93.1	76.2	114.4

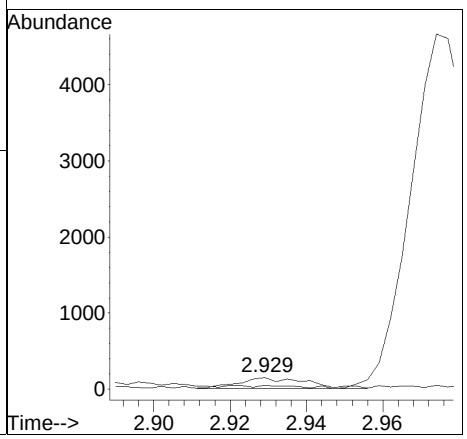


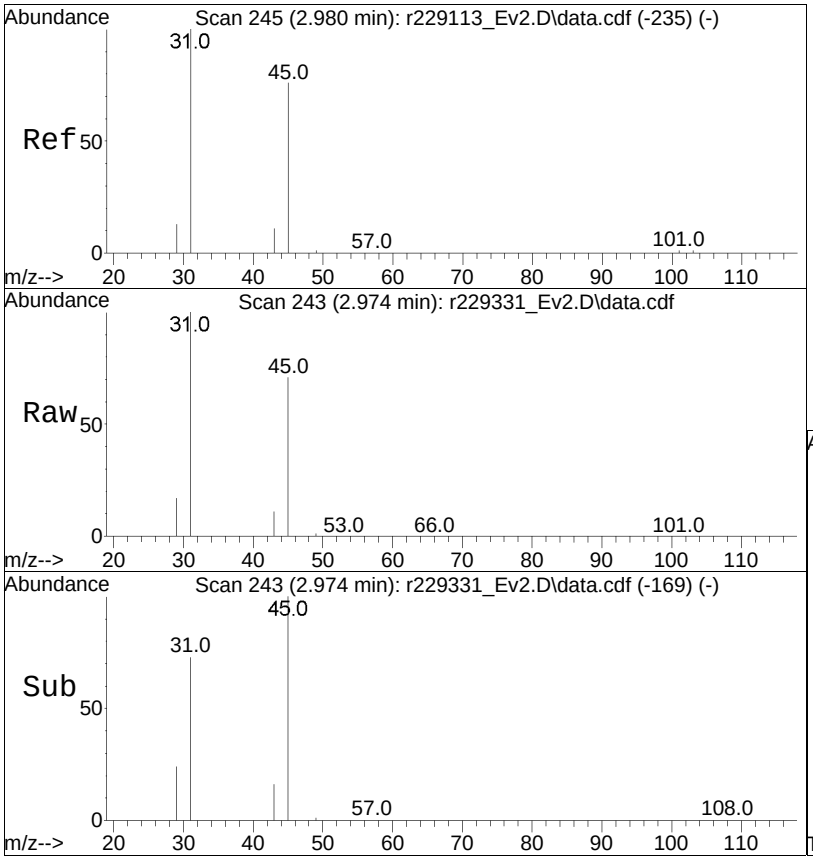


#9
chloroethane
Concen: 0.01 ppbV
RT: 2.929 min Scan# 228
Delta R.T. -0.009 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion: 64 Resp: 170

Ion	Ratio	Lower	Upper
64	100		
49	35.5	15.0	22.4#

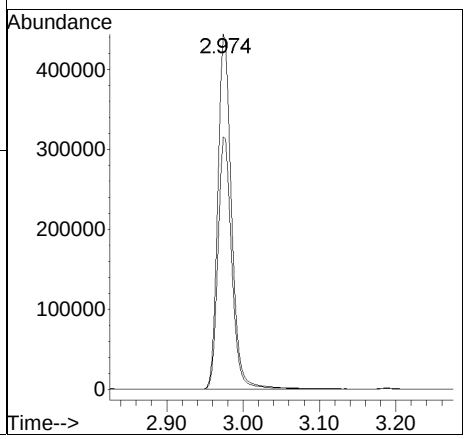


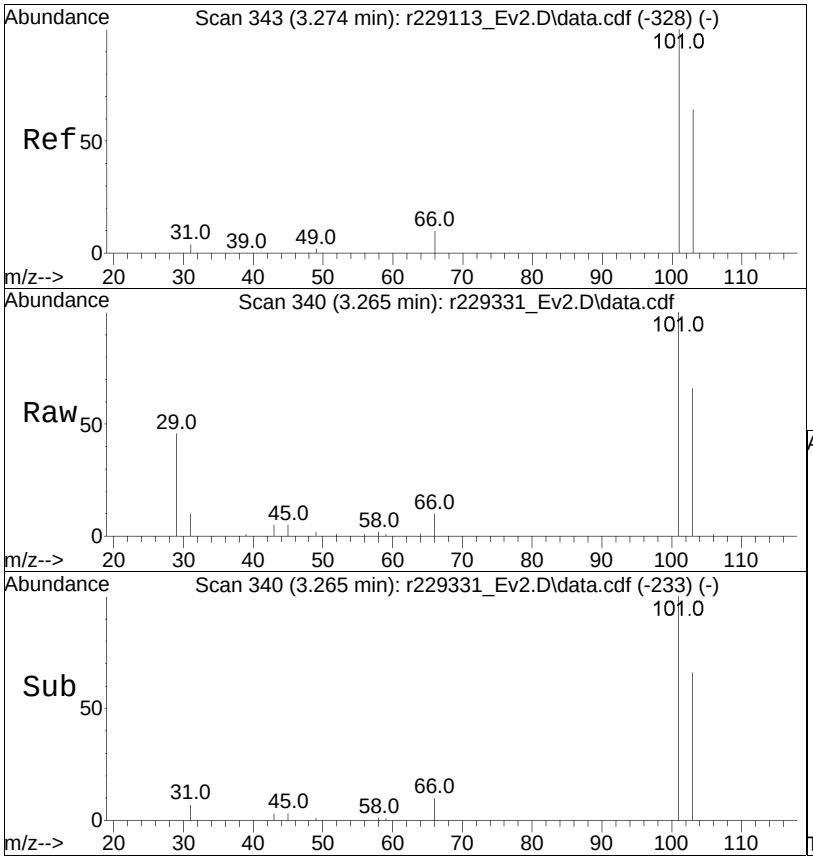


#10
ethanol
Concen: 44.90 ppbV
RT: 2.974 min Scan# 243
Delta R.T. -0.006 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion: 31 Resp: 559894

Ion	Ratio	Lower	Upper
31	100		
45	71.1	60.7	91.1

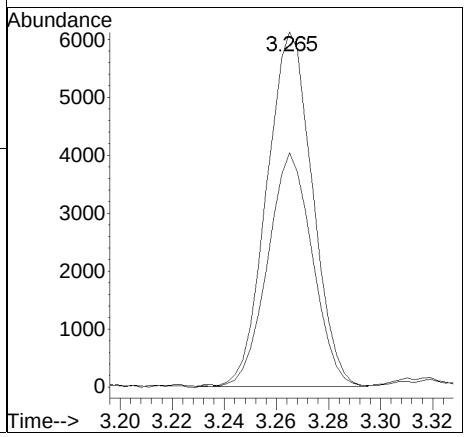


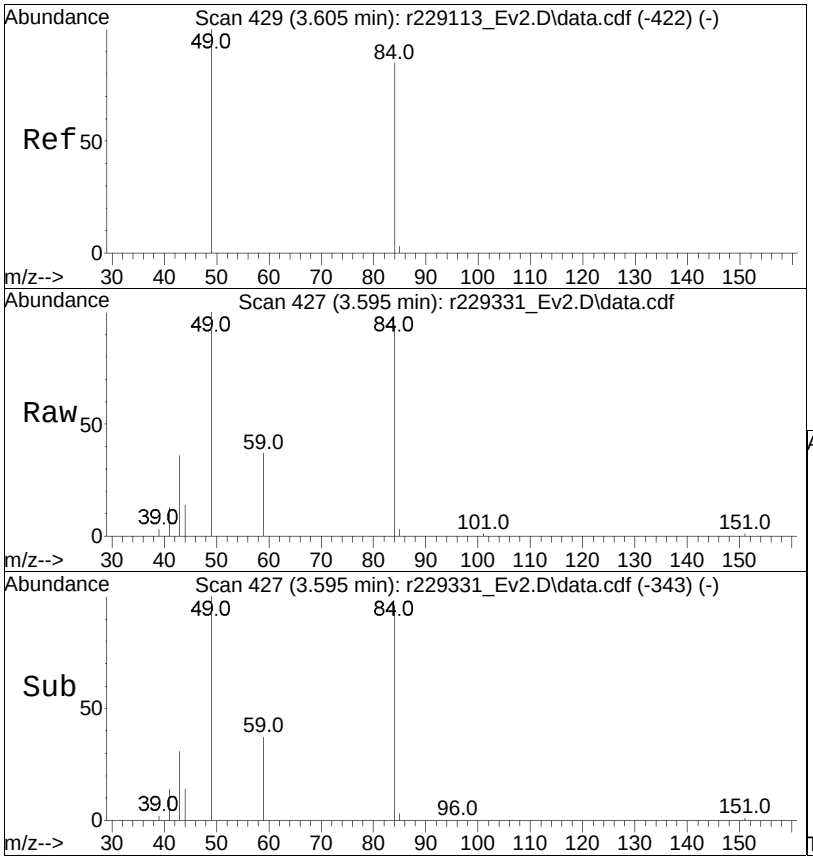


#14
trichlorofluoromethane
Concen: 0.31 ppbV
RT: 3.265 min Scan# 340
Delta R.T. -0.009 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion:101 Resp: 7431

Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.5	77.3

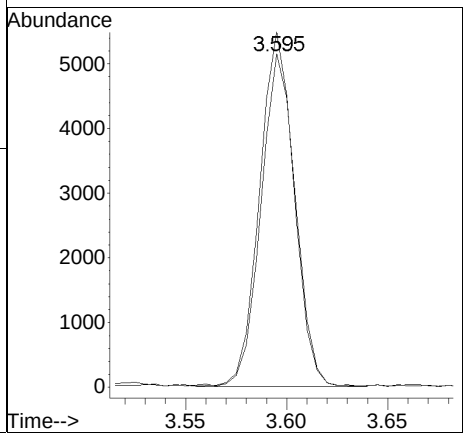


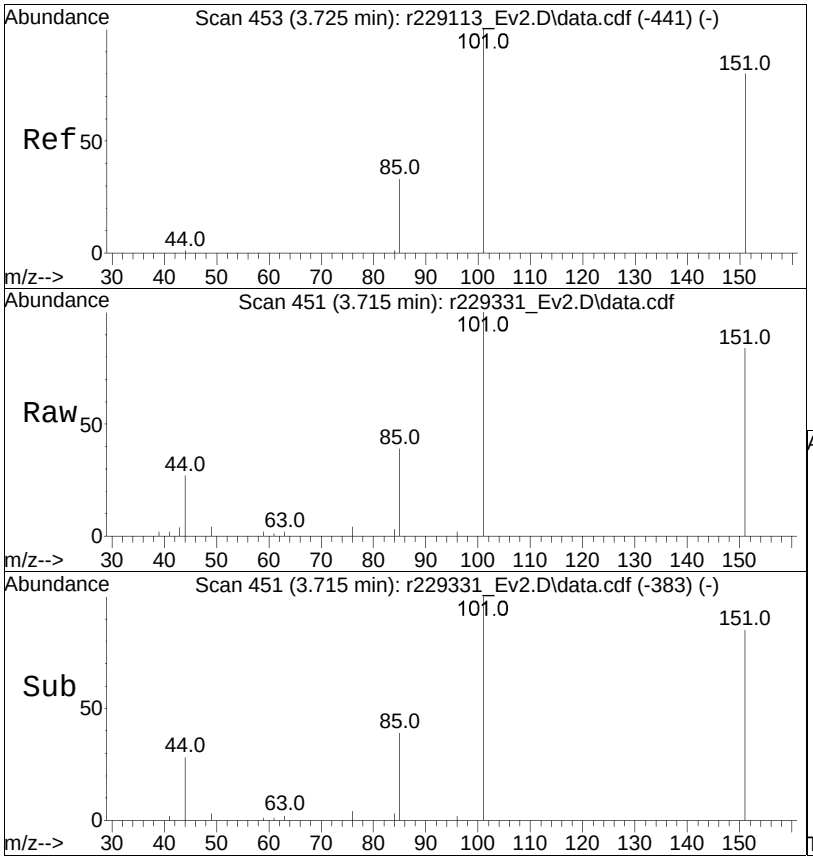


#19
methylene chloride
Concen: 0.23 ppbV
RT: 3.595 min Scan# 427
Delta R.T. -0.010 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion: 49 Resp: 6478

Ion	Ratio	Lower	Upper
49	100		
84	93.9	67.6	101.4

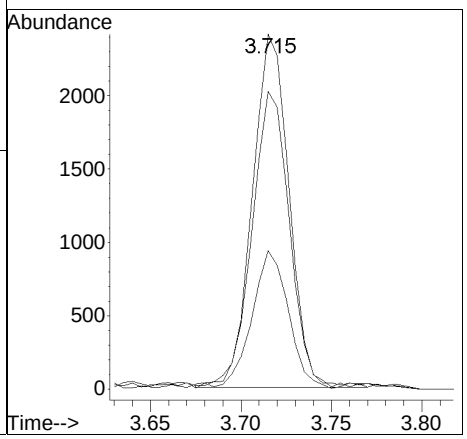


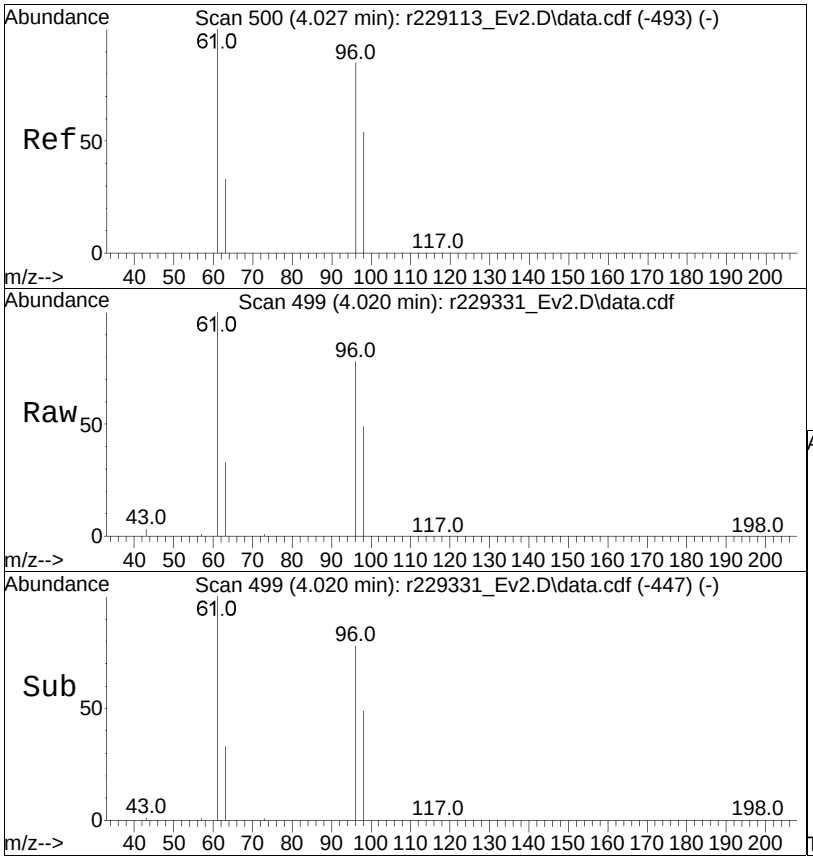


#22
Freon 113
Concen: 0.07 ppbV
RT: 3.715 min Scan# 451
Delta R.T. -0.010 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion:101 Resp: 3381

Ion	Ratio	Lower	Upper
101	100		
85	39.0	26.1	39.1
151	83.9	64.0	96.0

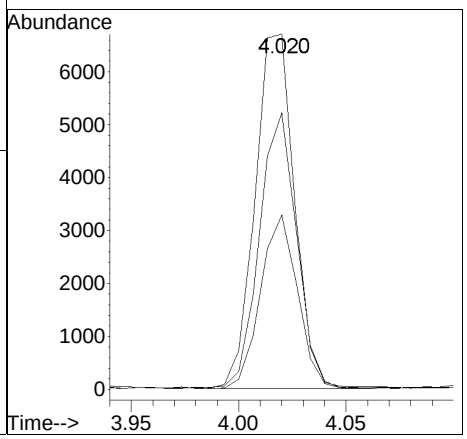


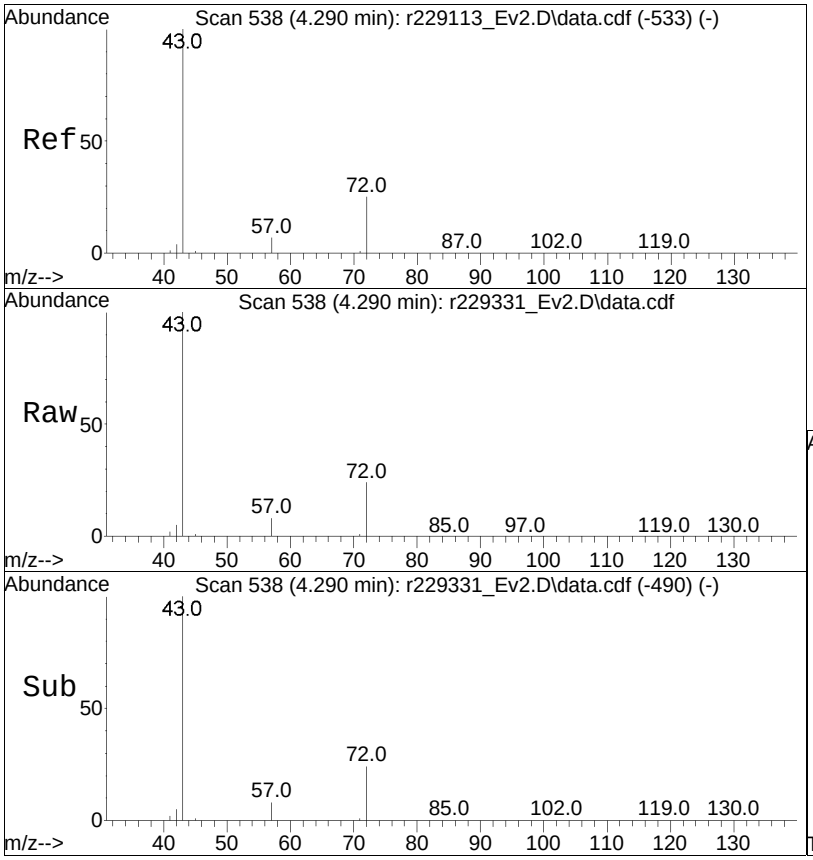


#23
trans-1,2-dichloroethene
Concen: 0.27 ppbV
RT: 4.020 min Scan# 499
Delta R.T. -0.007 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion: 61 Resp: 8559

Ion	Ratio	Lower	Upper
61	100		
96	77.9	68.3	102.5
98	49.0	43.0	64.4

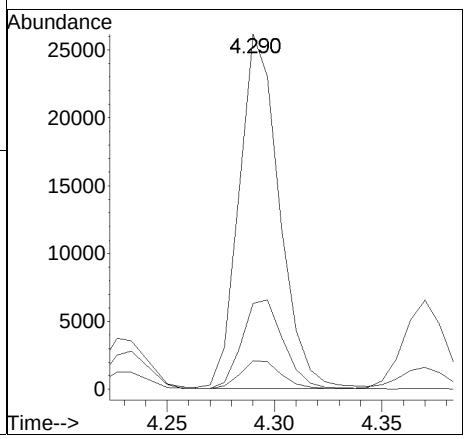


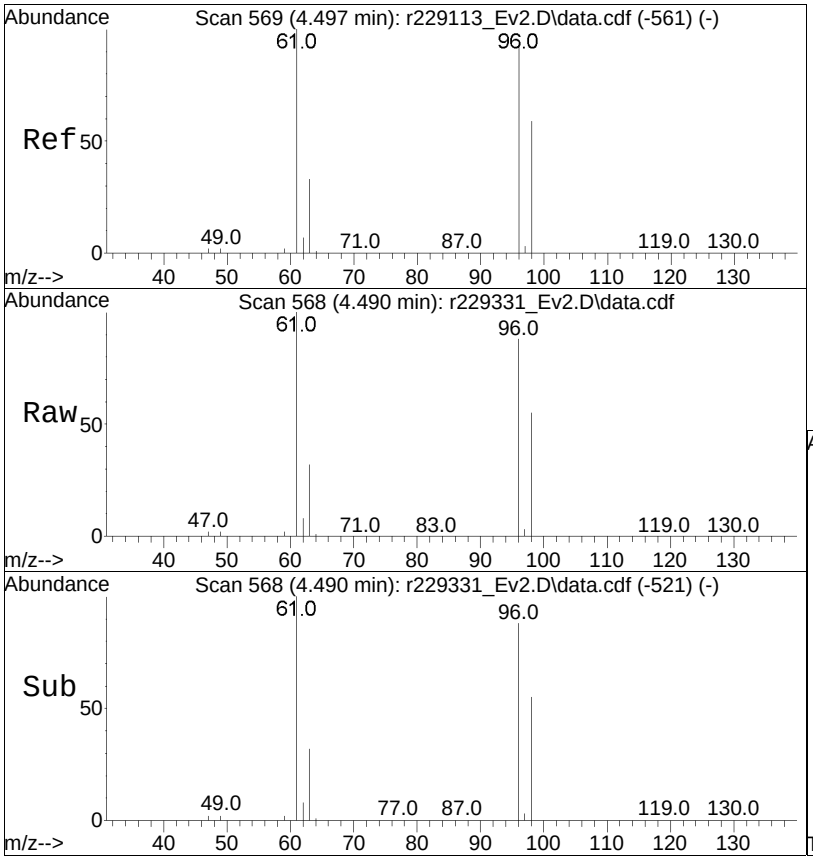


#27
2-butanone
Concen: 0.60 ppbV
RT: 4.290 min Scan# 538
Delta R.T. 0.000 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion: 43 Resp: 34036

Ion	Ratio	Lower	Upper
43	100		
72	24.2	20.2	30.4
57	8.1	5.4	8.0#

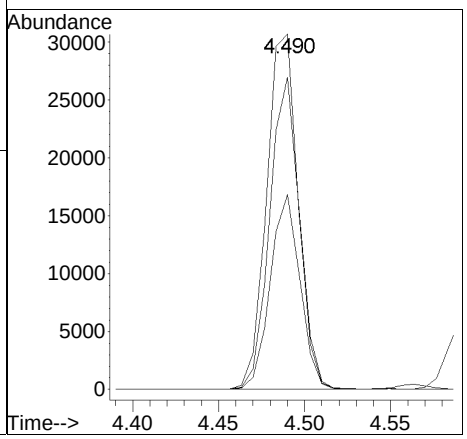


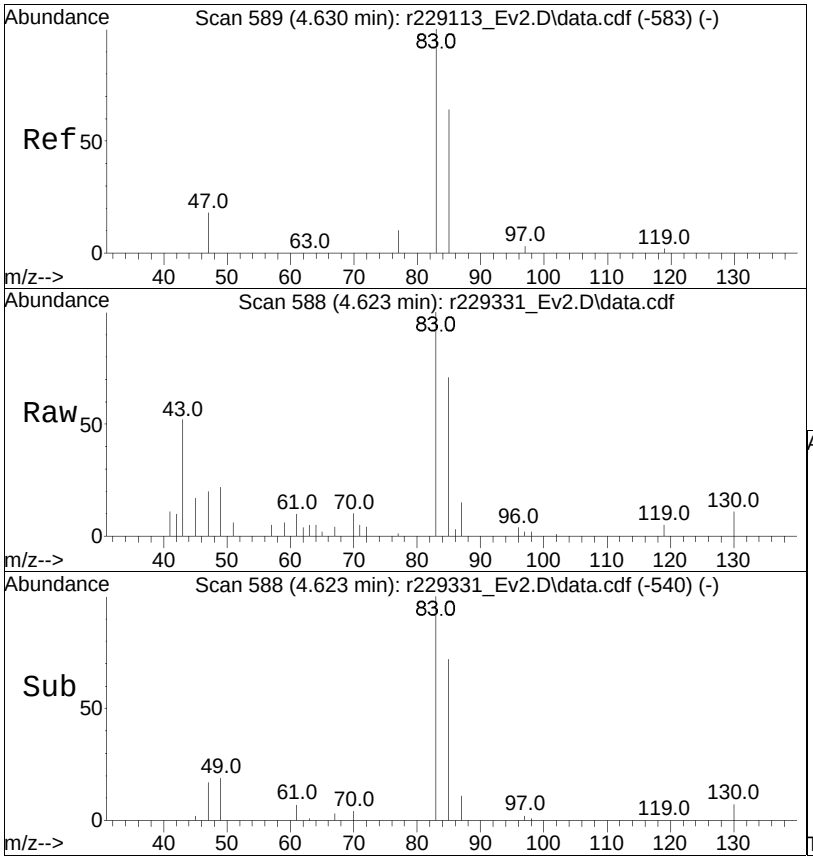


#28
cis-1,2-dichloroethene
Concen: 1.17 ppbV
RT: 4.490 min Scan# 568
Delta R.T. -0.007 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion: 61 Resp: 38988

Ion	Ratio	Lower	Upper
61	100		
96	87.9	75.9	113.9
98	54.8	47.6	71.4

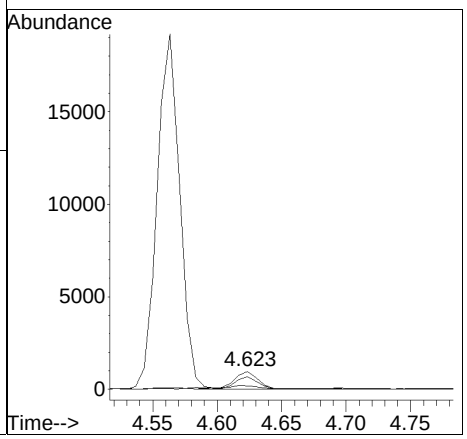


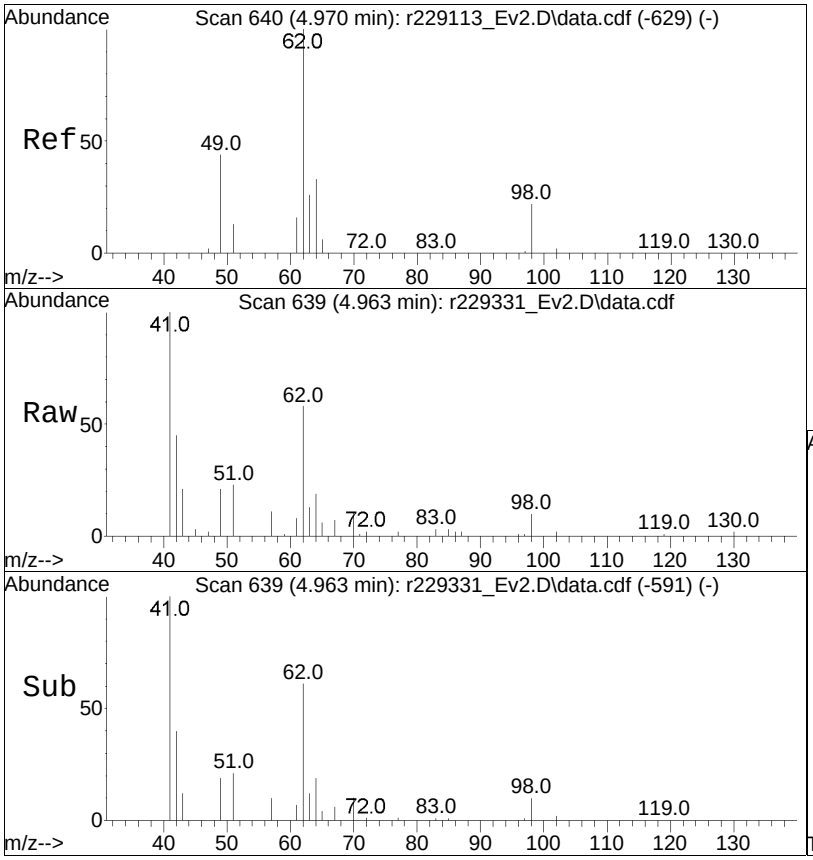


#30
chloroform
Concen: 0.04 ppbV
RT: 4.623 min Scan# 588
Delta R.T. -0.007 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion: 83 Resp: 1340

Ion	Ratio	Lower	Upper
83	100		
85	71.2	51.8	77.6
47	20.1	16.1	24.1

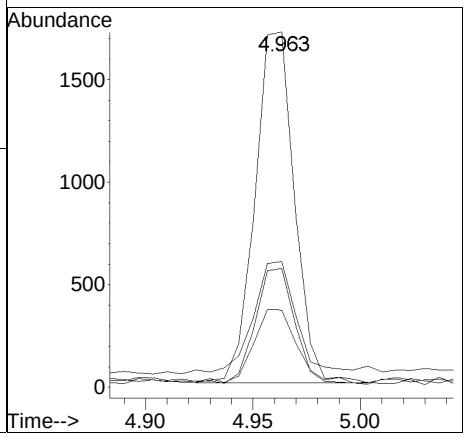


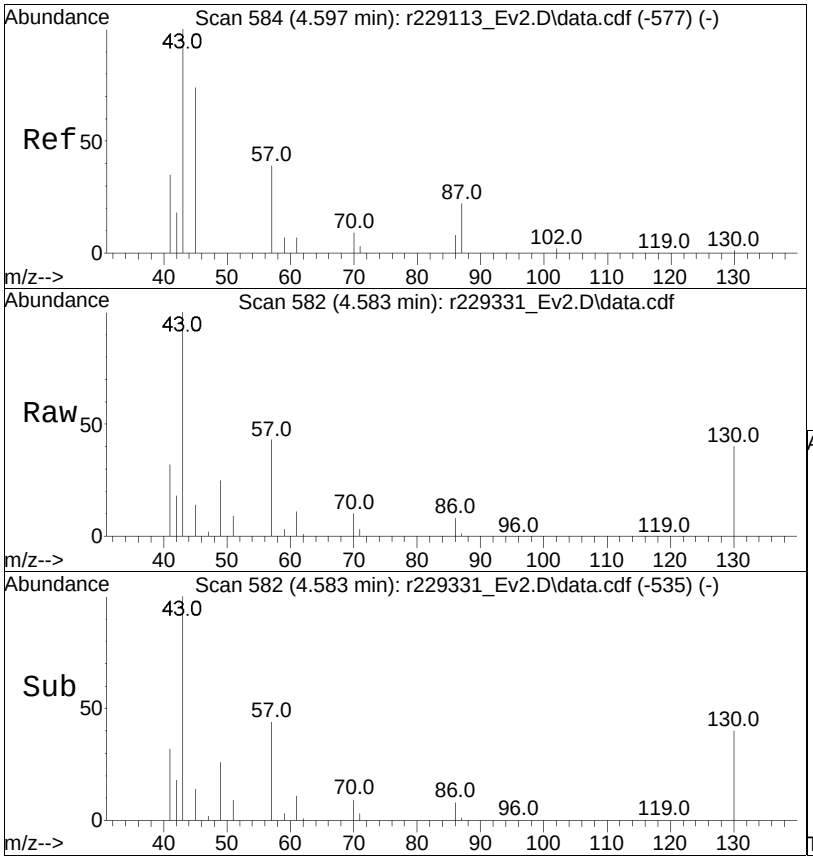


#32
1,2-dichloroethane
Concen: 0.11 ppbV
RT: 4.963 min Scan# 639
Delta R.T. -0.007 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion: 62 Resp: 2187

Ion	Ratio	Lower	Upper
62	100		
64	33.5	26.8	40.2
49	35.5	35.7	53.5#
63	21.8	21.0	31.6

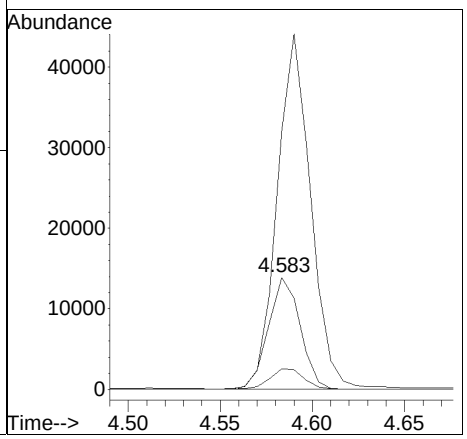


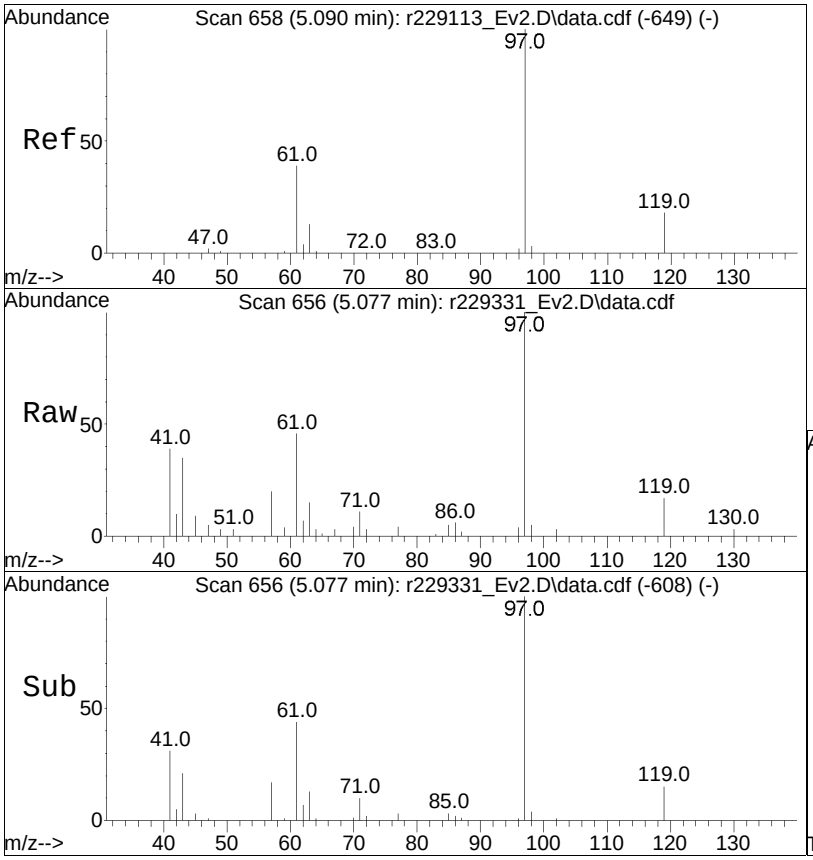


#34
hexane
Concen: 0.45 ppbV
RT: 4.583 min Scan# 582
Delta R.T. -0.013 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion: 57 Resp: 16752

Ion	Ratio	Lower	Upper
57	100		
43	230.9	207.8	311.8
86	18.5	17.5	26.3

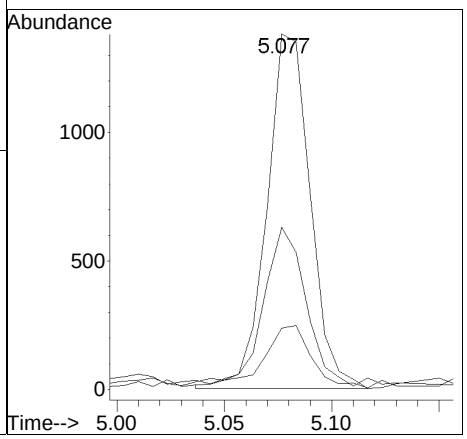


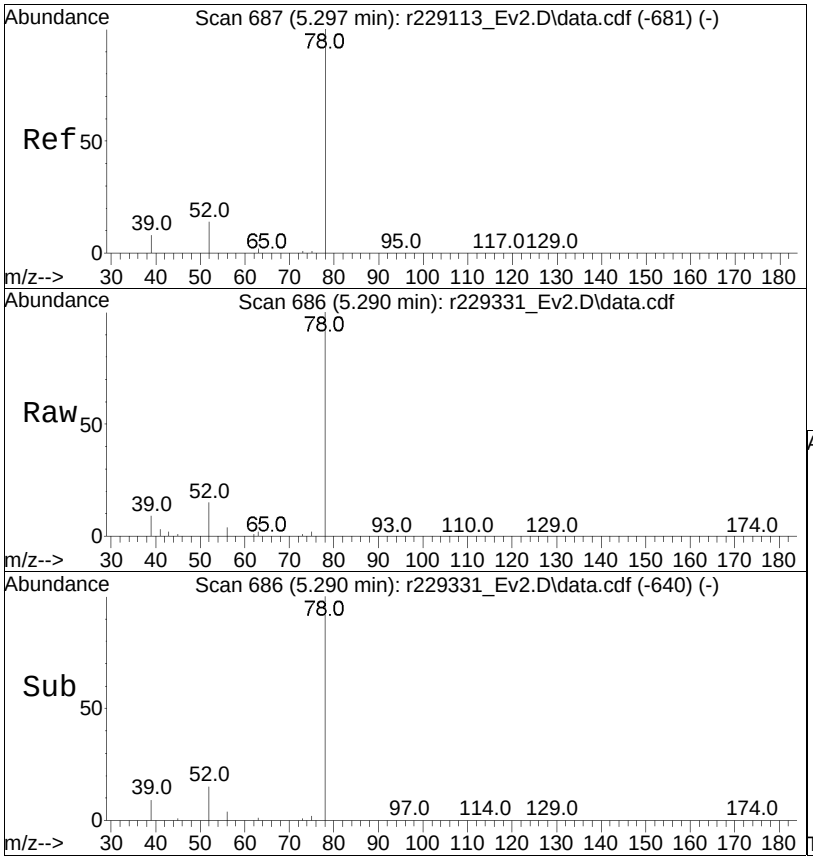


#36
1,1,1-trichloroethane
Concen: 0.06 ppbV
RT: 5.077 min Scan# 656
Delta R.T. -0.013 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion: 97 Resp: 1937

Ion	Ratio	Lower	Upper
97	100		
61	45.6	31.5	47.3
119	17.3	14.2	21.4

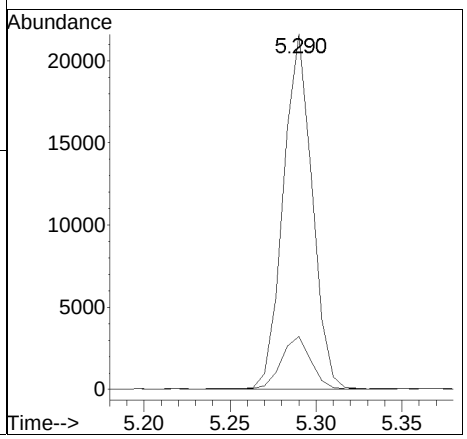


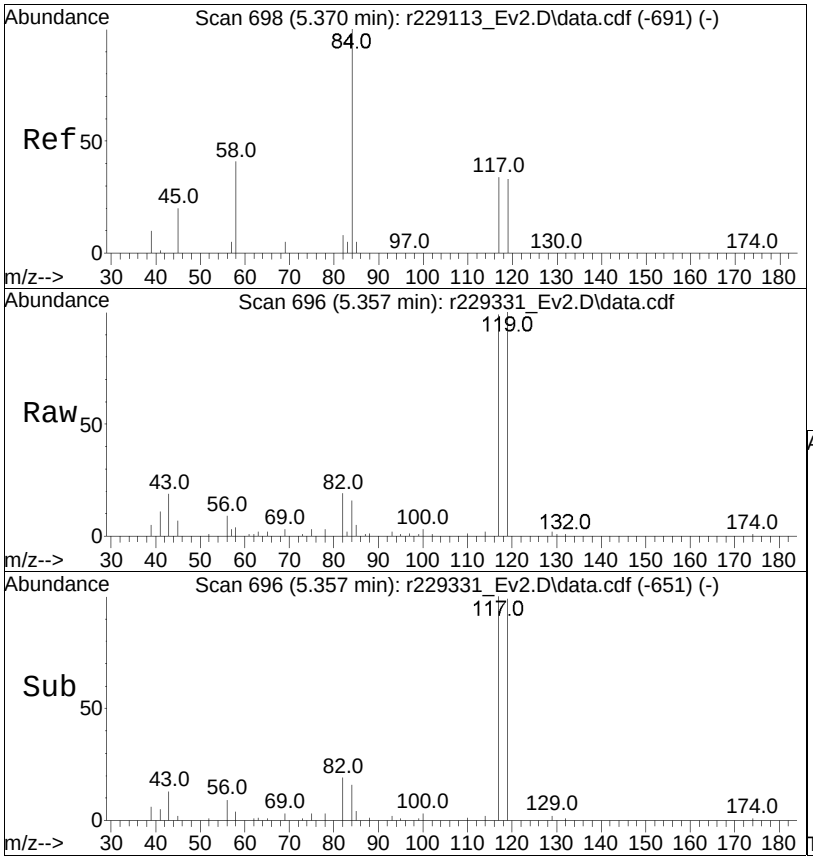


#37
benzene
Concen: 0.28 ppbV
RT: 5.290 min Scan# 686
Delta R.T. -0.007 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion: 78 Resp: 25221

Ion	Ratio	Lower	Upper
78	100		
52	14.9	11.3	16.9

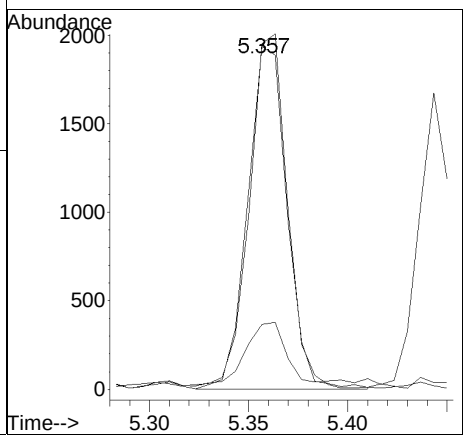


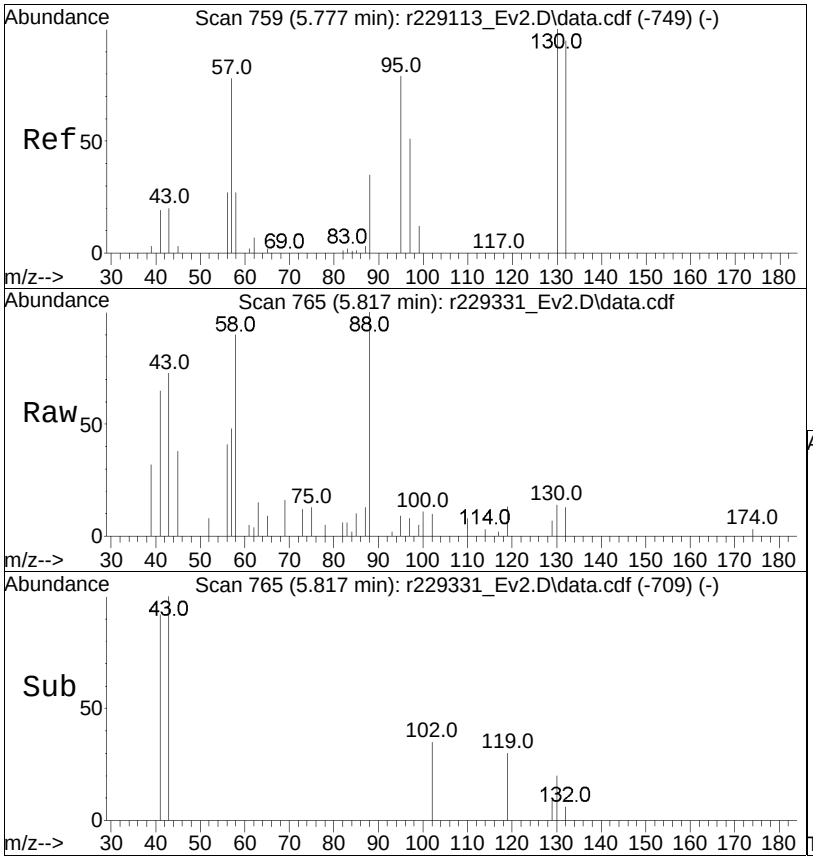


#38
carbon tetrachloride
Concen: 0.11 ppbV
RT: 5.357 min Scan# 696
Delta R.T. -0.013 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion:117 Resp: 2668

Ion	Ratio	Lower	Upper
117	100		
119	100.8	77.7	116.5
82	19.0	19.5	29.3#

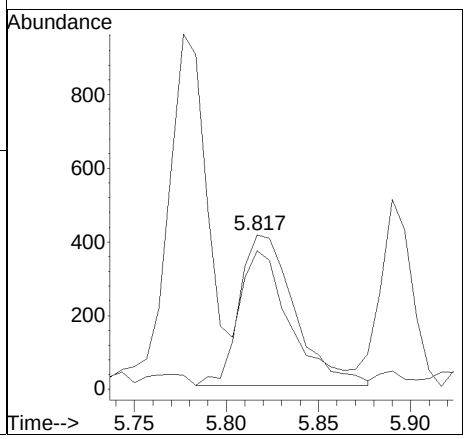


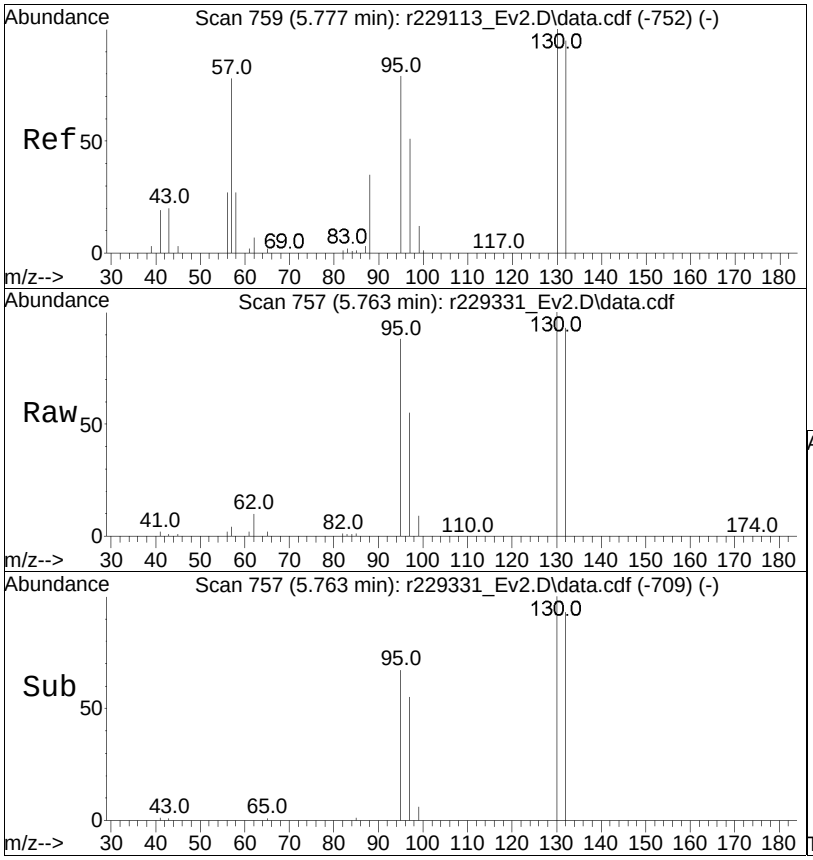


#43
1,4-dioxane
Concen: 0.04 ppbV
RT: 5.817 min Scan# 765
Delta R.T. 0.040 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion: 88 Resp: 847

Ion	Ratio	Lower	Upper
88	100		
58	89.7	63.0	94.6

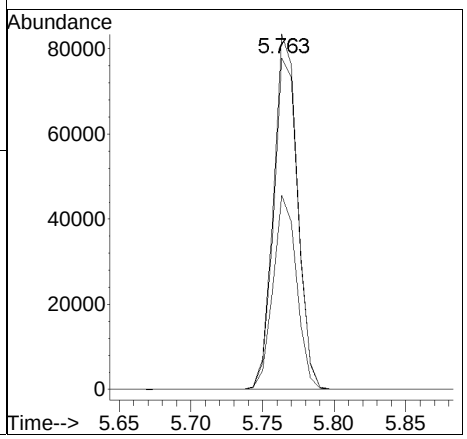


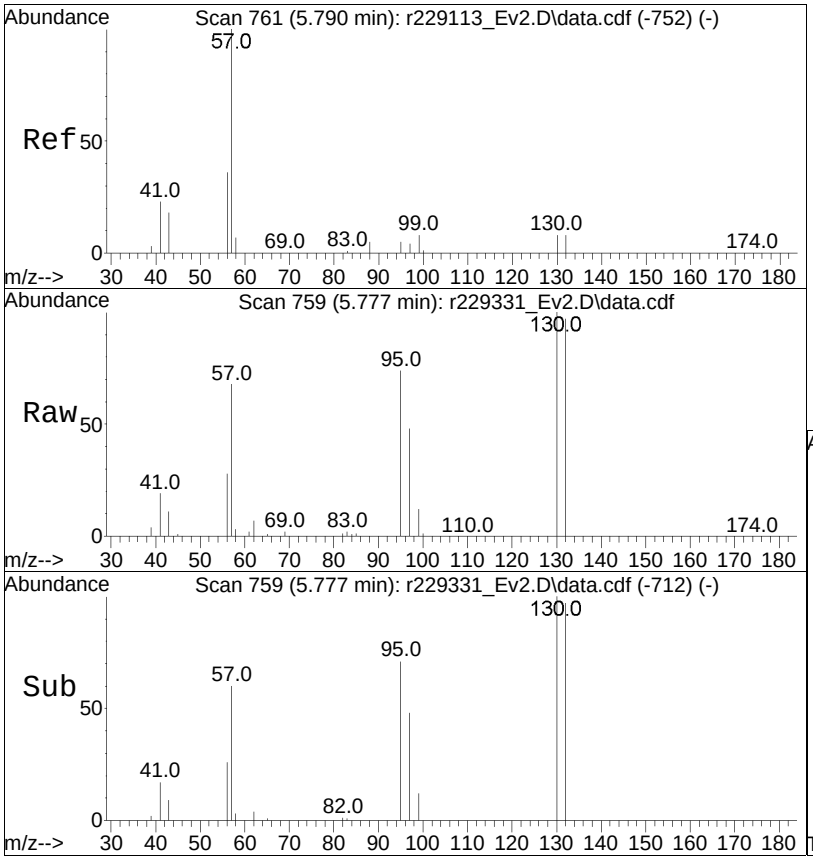


#44
trichloroethene
Concen: 2.35 ppbV
RT: 5.763 min Scan# 757
Delta R.T. -0.013 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion:130 Resp: 97681

Ion	Ratio	Lower	Upper
130	100		
132	93.3	76.1	114.1
97	54.6	40.7	61.1

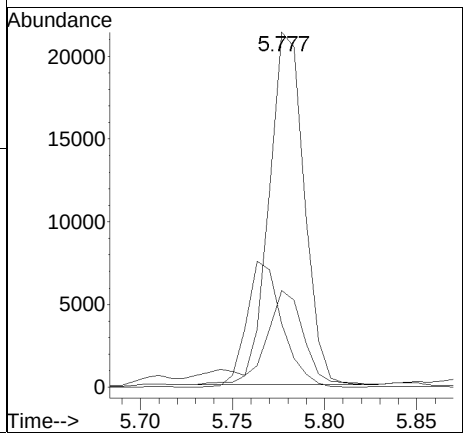


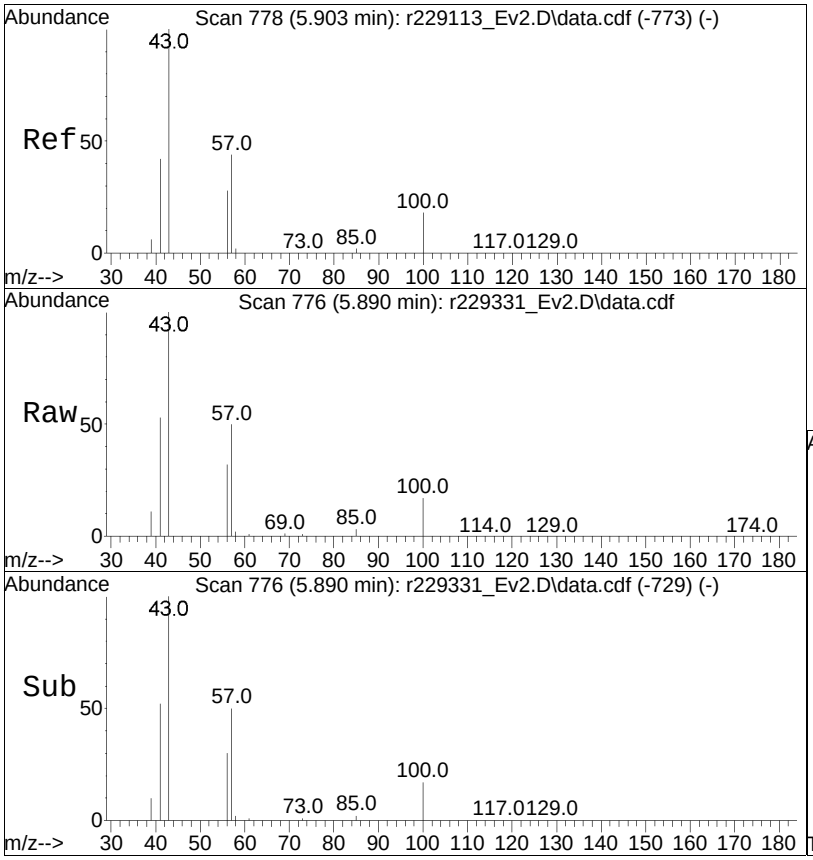


#45
2,2,4-trimethylpentane
Concen: 0.24 ppbV
RT: 5.777 min Scan# 759
Delta R.T. -0.013 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion: 57 Resp: 28289

Ion	Ratio	Lower	Upper
57	100		
99	17.9	6.0	9.0#
41	27.3	18.6	28.0

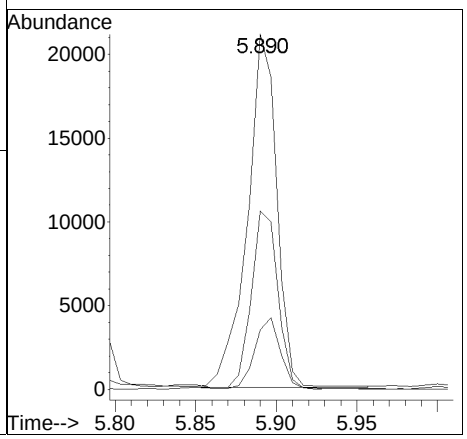


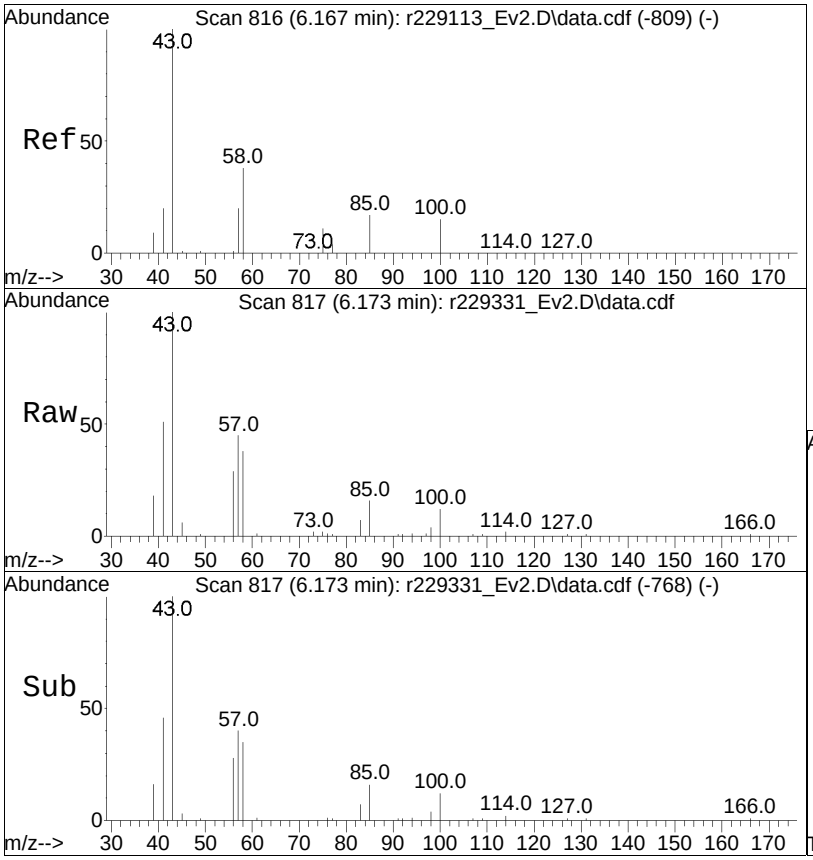


#46
heptane
Concen: 0.50 ppbV
RT: 5.890 min Scan# 776
Delta R.T. -0.013 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion: 43 Resp: 26870

Ion	Ratio	Lower	Upper
43	100		
57	50.2	35.6	53.4
100	16.8	16.6	24.8

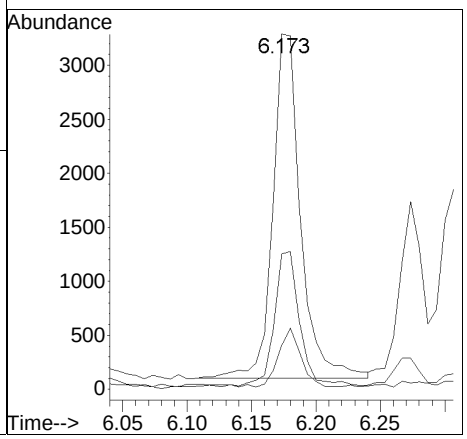


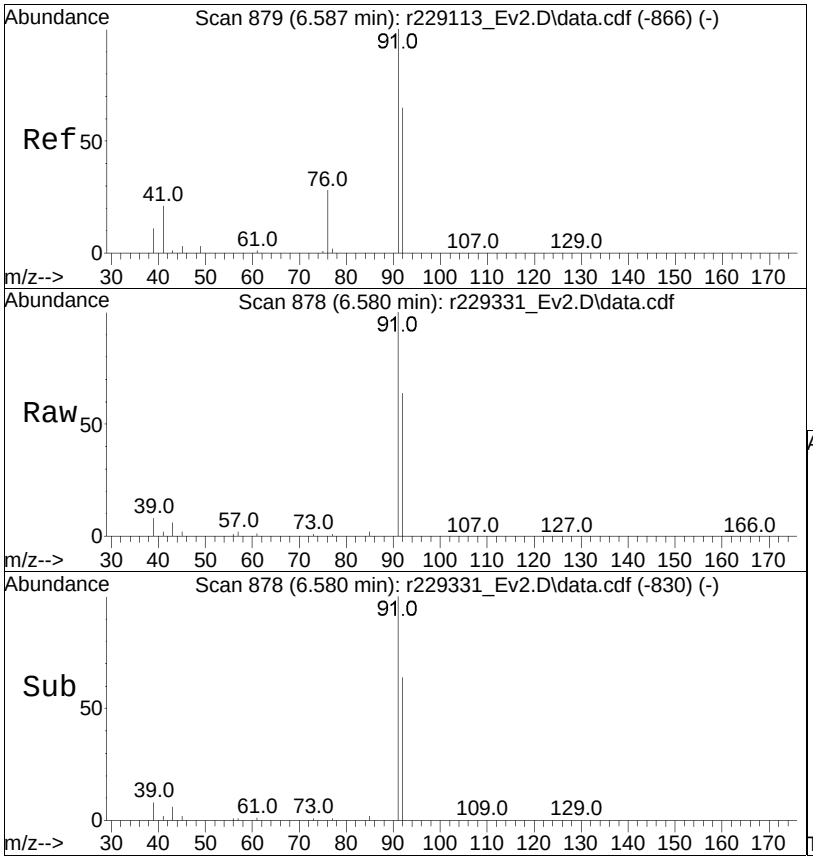


#48
4-methyl-2-pentanone
Concen: 0.08 ppbV
RT: 6.173 min Scan# 817
Delta R.T. 0.007 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion: 43 Resp: 4809

Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.1	45.1
100	12.4	12.2	18.2

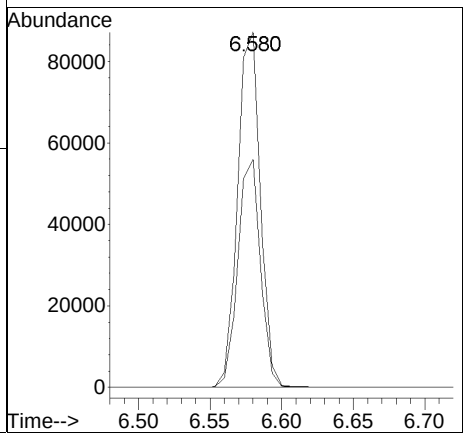


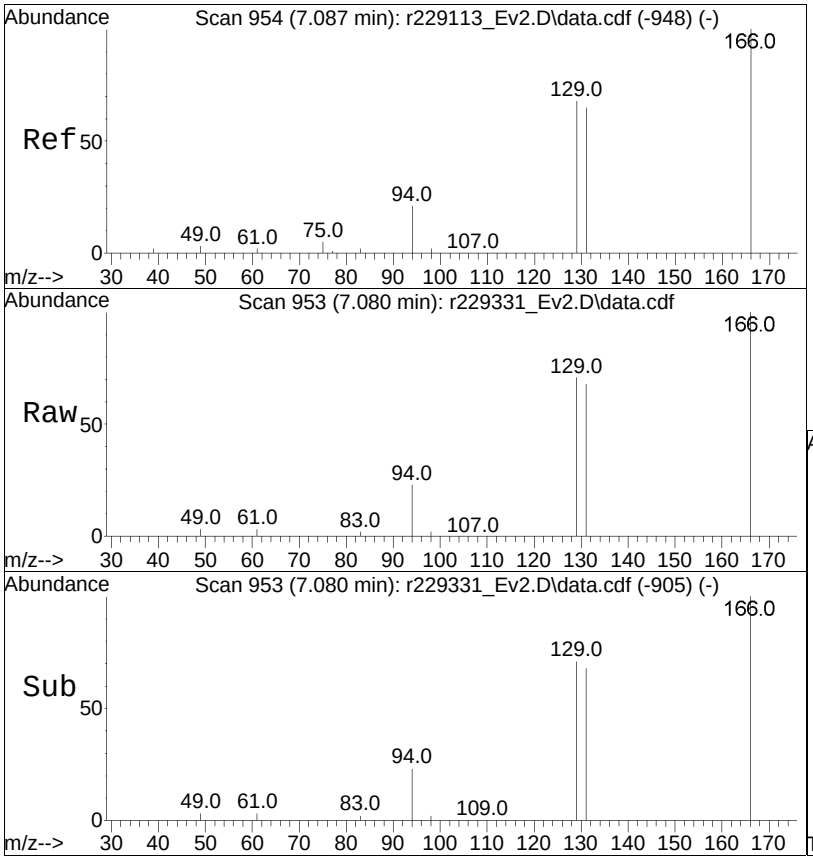


#52
toluene
Concen: 0.71 ppbV
RT: 6.580 min Scan# 878
Delta R.T. -0.007 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion: 91 Resp: 96669

Ion	Ratio	Lower	Upper
91	100		
92	64.1	52.2	78.2

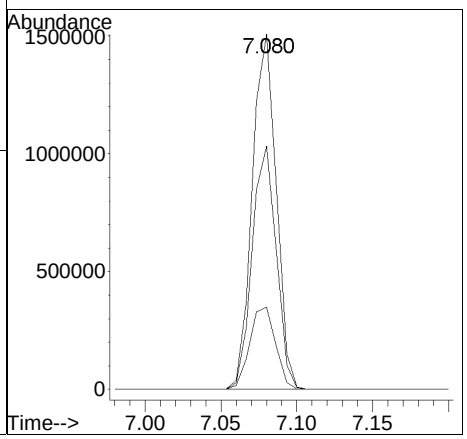


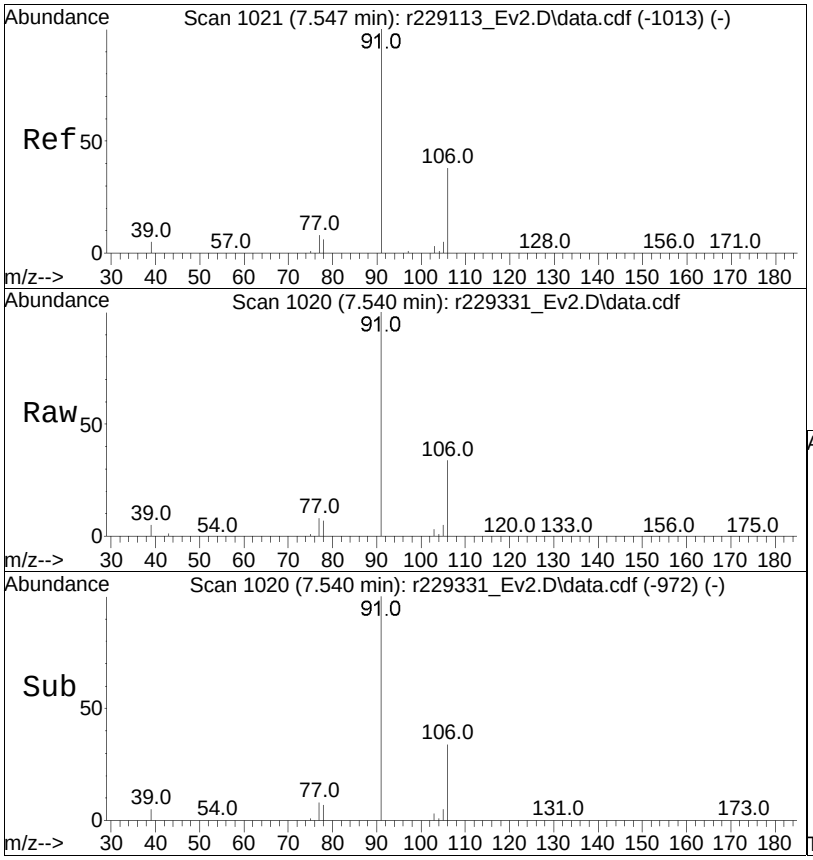


#57
tetrachloroethene
Concen: 25.46 ppbV
RT: 7.080 min Scan# 953
Delta R.T. -0.007 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion:166 Resp: 1660001

Ion	Ratio	Lower	Upper
166	100		
131	68.5	51.9	77.9
94	23.2	16.6	24.8

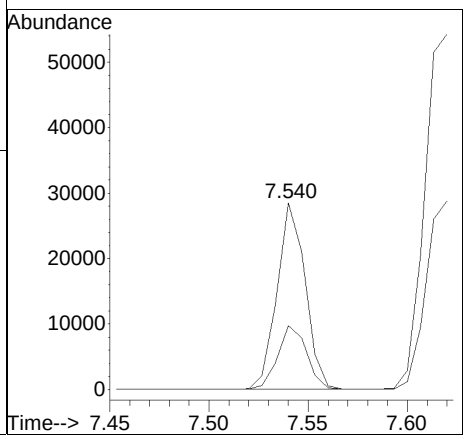


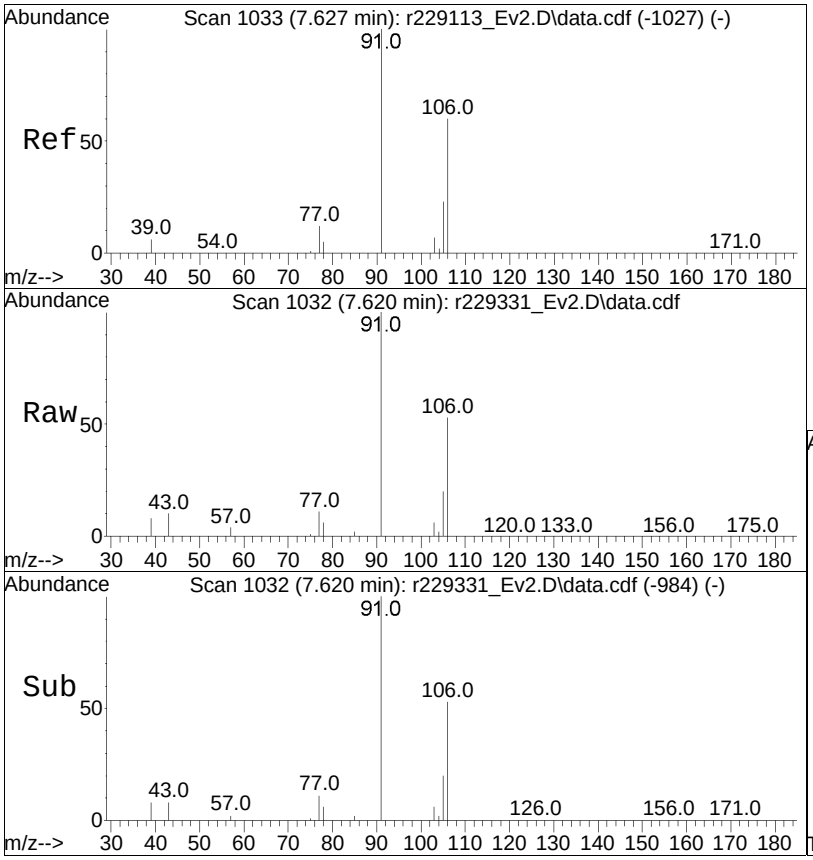


#60
ethylbenzene
Concen: 0.17 ppbV
RT: 7.540 min Scan# 1020
Delta R.T. -0.007 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion: 91 Resp: 28185

Ion	Ratio	Lower	Upper
91	100		
106	34.2	30.4	45.6

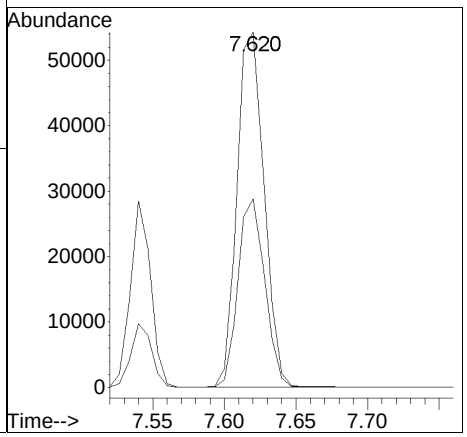


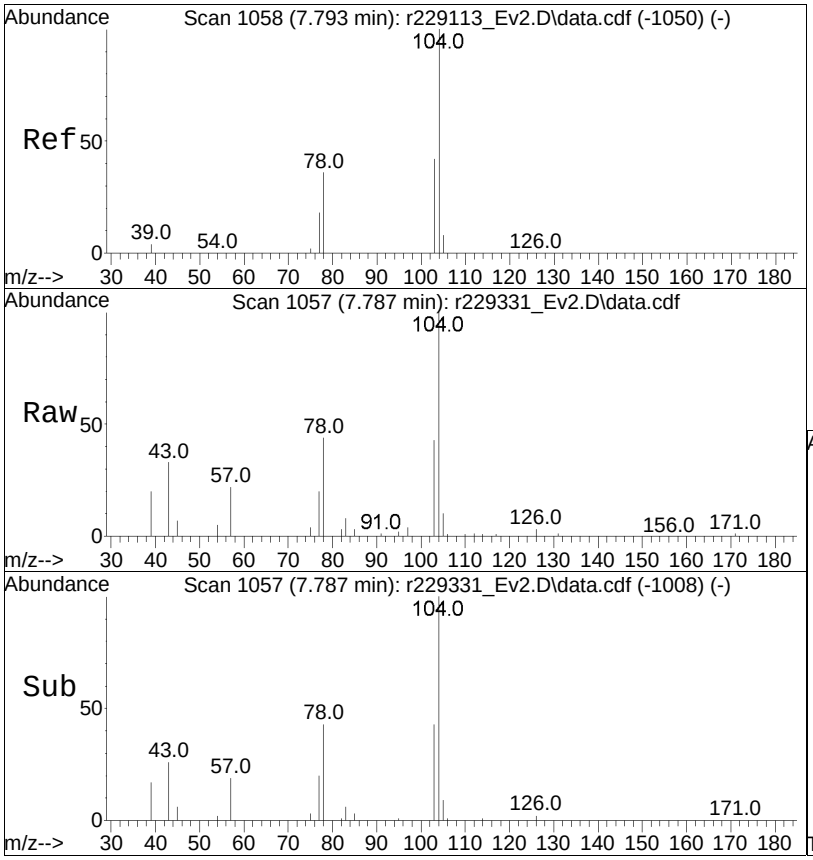


#61
m+p-xylene
Concen: 0.55 ppbV
RT: 7.620 min Scan# 1032
Delta R.T. -0.007 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion: 91 Resp: 71597

Ion	Ratio	Lower	Upper
91	100		
106	53.1	48.2	72.2

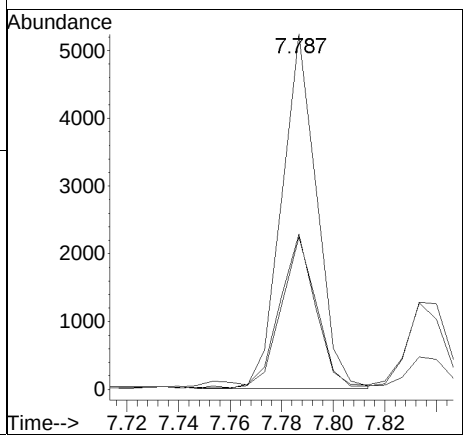


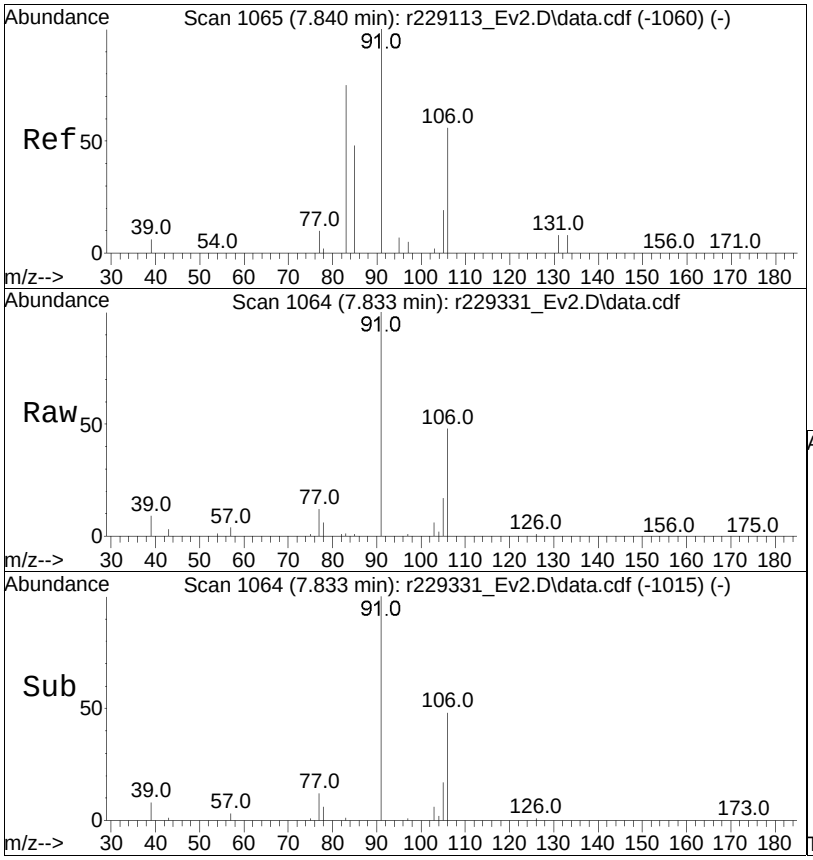


#63
styrene
Concen: 0.04 ppbV
RT: 7.787 min Scan# 1057
Delta R.T. -0.007 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion:104 Resp: 4956

Ion	Ratio	Lower	Upper
104	100		
103	43.0	33.7	50.5
78	43.7	28.9	43.3#

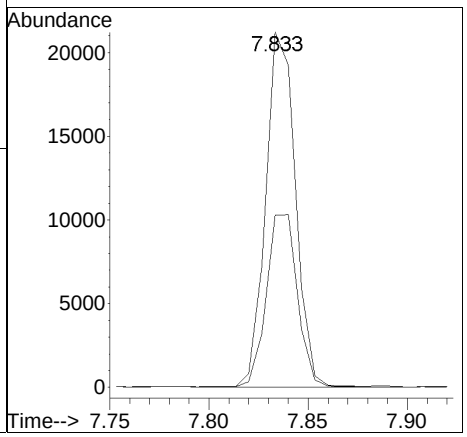


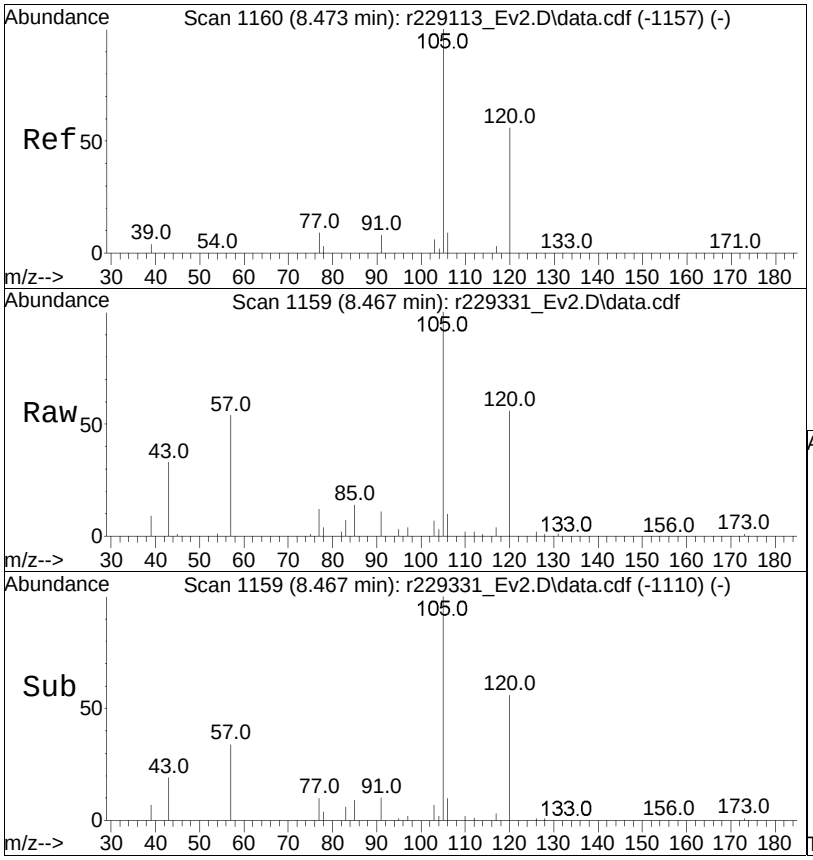


#65
o-xylene
Concen: 0.17 ppbV
RT: 7.833 min Scan# 1064
Delta R.T. -0.007 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion: 91 Resp: 22120

Ion	Ratio	Lower	Upper
91	100		
106	48.4	44.8	67.2

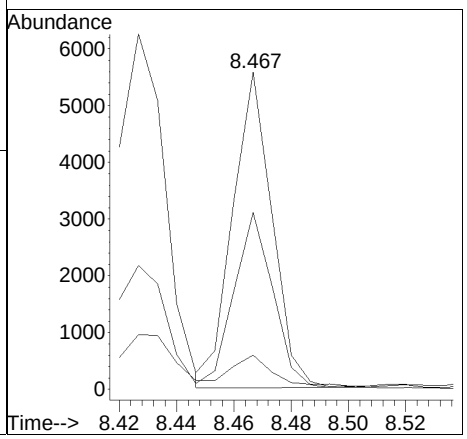


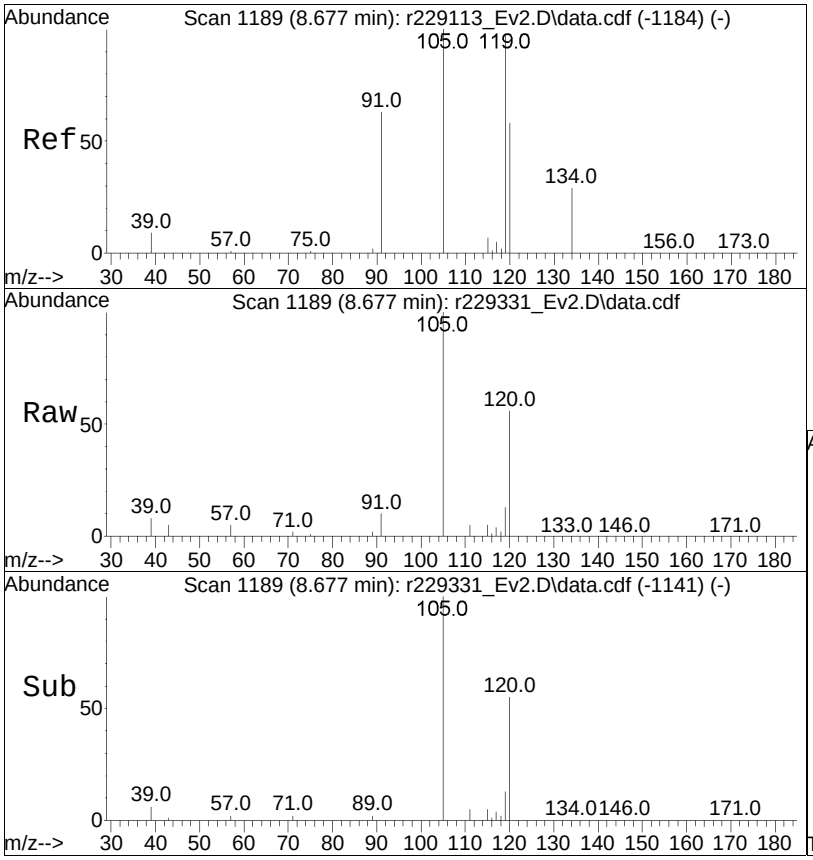


#71
1,3,5-trimethylbenzene
Concen: 0.03 ppbV
RT: 8.467 min Scan# 1159
Delta R.T. -0.007 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion:105 Resp: 5314

Ion	Ratio	Lower	Upper
105	100		
120	55.8	44.2	66.4
91	10.8	6.2	9.4#

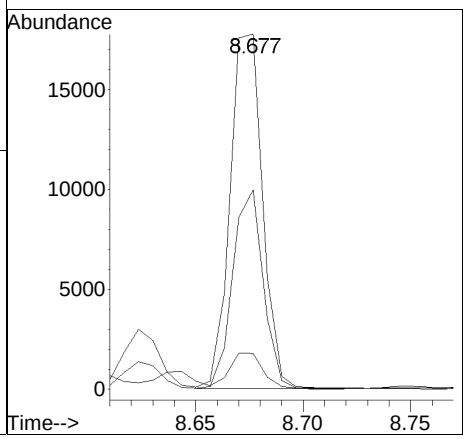


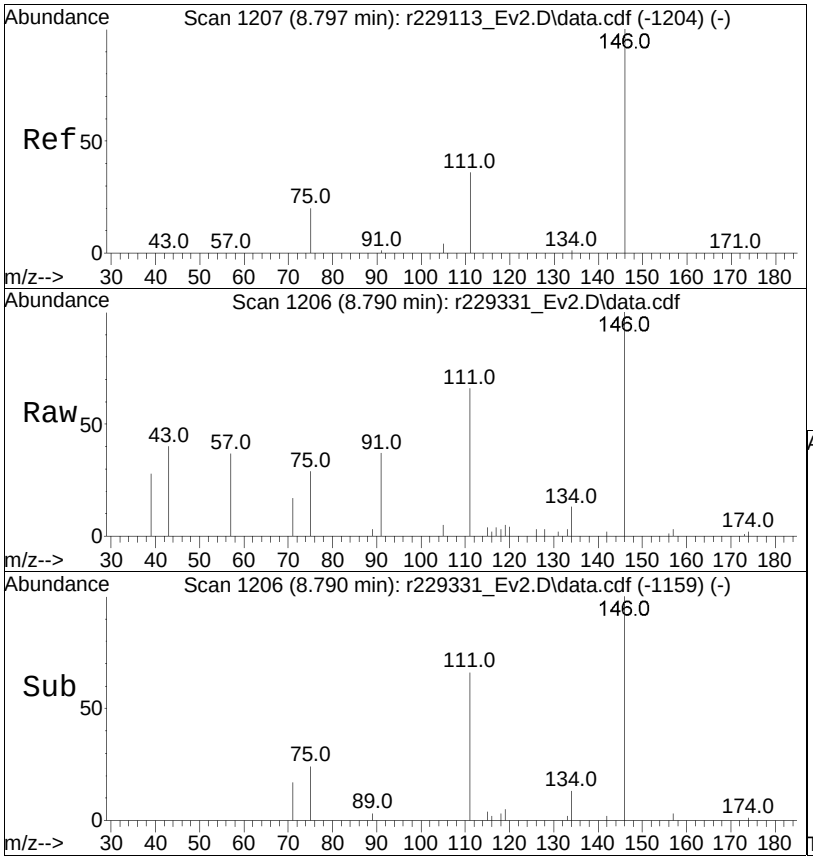


#73
1,2,4-trimethylbenzene
Concen: 0.12 ppbV
RT: 8.677 min Scan# 1189
Delta R.T. 0.000 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion:105 Resp: 18692

Ion	Ratio	Lower	Upper
105	100		
120	56.2	46.5	69.7
91	10.1	50.3	75.5#

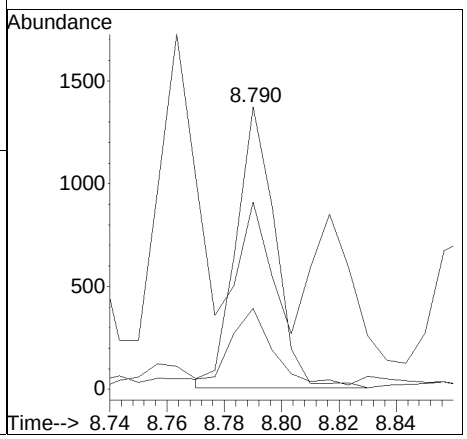


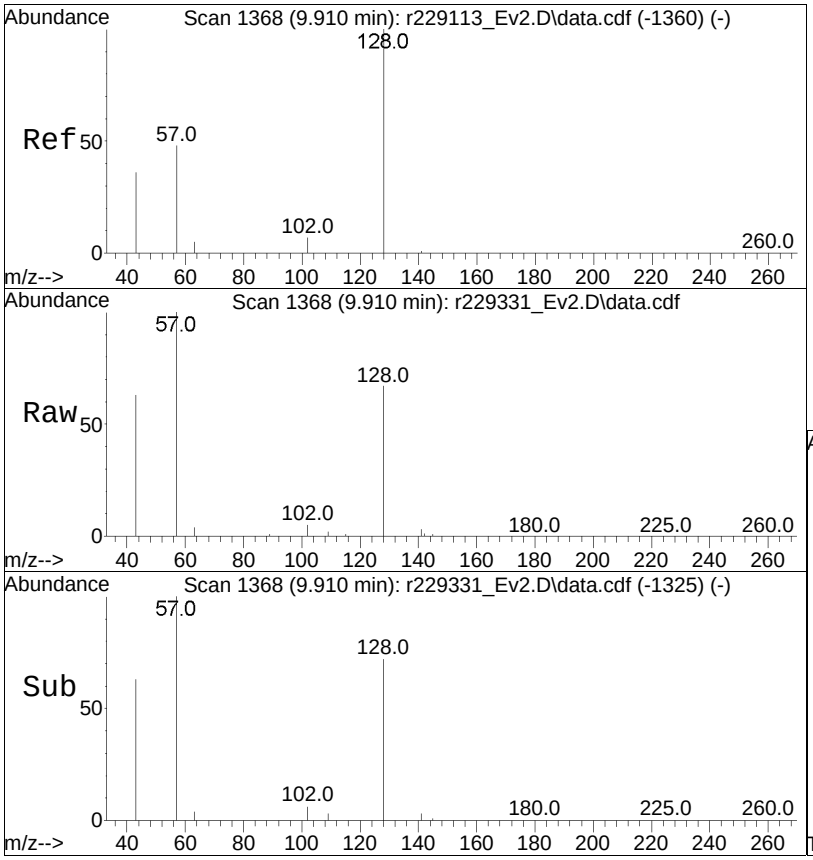


#76
1,4-dichlorobenzene
Concen: 0.01 ppbV
RT: 8.790 min Scan# 1206
Delta R.T. -0.007 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion:146 Resp: 1291

Ion	Ratio	Lower	Upper
146	100		
111	66.4	28.4	42.6#
75	28.7	16.1	24.1#

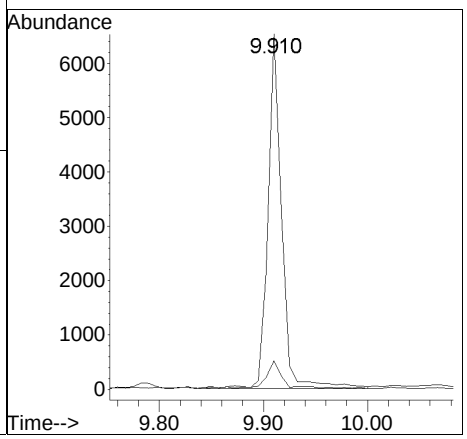




#83
naphthalene
Concen: 0.03 ppbV
RT: 9.910 min Scan# 1368
Delta R.T. 0.000 min
Lab File: r229331_Ev2.D
Acq: 20 Feb 2025 12:58 AM

Tgt Ion:128 Resp: 6063

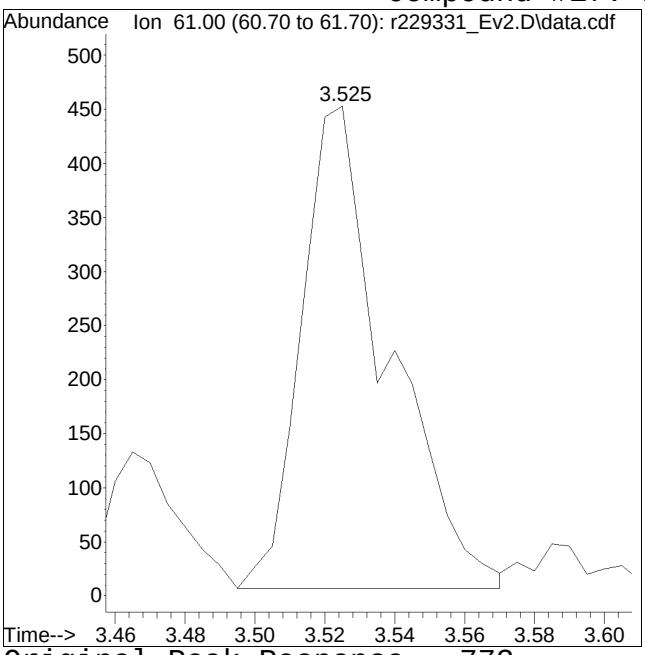
Ion	Ratio	Lower	Upper
128	100		
102	8.1	5.5	8.3



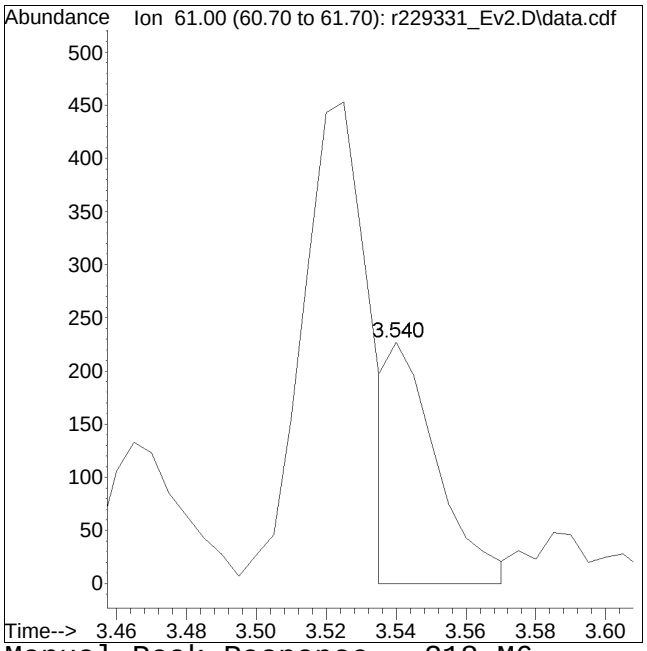
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab22\20QMethod : TSIM22_250206.M
Data File : r229331_Ev2.D Operator : AIRLAB22:TPH
Date Inj'd : 2/20/2025 12:58 AM Instrument :
Sample : L2506387-03,3,250,250 Quant Date : 2/20/2025 7:51 am

Compound #17: 1,1-dichloroethene



Original Peak Response = 773



Manual Peak Response = 218 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229333_Ev2.D
Acq On : 20 Feb 2025 2:15 AM
Operator : AIRLAB22:TPH
Sample : L2506387-04,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 20 07:51:28 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0219SIM\r229324_Ev2.D
Sub List : NYDEC-SIM - .

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	4.563	49	309271	10.000	ppbV		0.00
Standard Area = 316137			Recovery = 97.83%				
33) 1,4-difluorobenzene	5.450	114	986370	10.000	ppbV		0.00
Standard Area = 1013027			Recovery = 97.37%				
51) chlorobenzene-D5	7.360	54	128625	10.000	ppbV	#	0.00
Standard Area = 123842			Recovery = 103.86%				
System Monitoring Compounds							
Target Compounds							Qvalue
3) dichlorodifluoromethane	2.515	85	22558	0.645	ppbV		100
4) chloromethane	2.590	50	10987	0.548	ppbV		98
5) Freon-114	2.635	85	860	0.022	ppbV		92
6) vinyl chloride	2.690	62	814	0.037	ppbV		91
8) bromomethane	2.865	94	338	0.019	ppbV		94
9) chloroethane	2.935	64	222	0.019	ppbV	#	76
10) ethanol	2.980	31	557343	44.777	ppbV		96
14) trichlorofluoromethane	3.268	101	7494	0.317	ppbV		99
17) 1,1-dichloroethene	3.545		0	N.D.			
18) tertiary butyl alcohol	0.000		0	N.D.	d		
19) methylene chloride	3.600	49	6906	0.247	ppbV		90
22) Freon 113	3.720	101	3654	0.075	ppbV		97
23) trans-1,2-dichloroethene	4.020	61	9458	0.296	ppbV		85
24) 1,1-dichloroethane	4.113		0	N.D.			
25) MTBE	4.160		0	N.D.			
27) 2-butanone	4.297	43	36760	0.654	ppbV	#	98
28) cis-1,2-dichloroethene	4.490	61	43598	1.307	ppbV		86
30) chloroform	4.623	83	1265	0.033	ppbV	#	94
32) 1,2-dichloroethane	4.963	62	2194	0.106	ppbV	#	91
34) hexane	4.590	57	13822	0.369	ppbV	#	70
36) 1,1,1-trichloroethane	5.083	97	1943	0.058	ppbV		97
37) benzene	5.290	78	27320	0.297	ppbV		96
38) carbon tetrachloride	5.363	117	2702	0.106	ppbV	#	96
39) cyclohexane	0.000		0	N.D.	d		
41) 1,2-dichloropropane	5.657		0	N.D.			
42) bromodichloromethane	0.000		0	N.D.	d		
43) 1,4-dioxane	5.823	88	853	0.042	ppbV		98
44) trichloroethene	5.770	130	108164	2.570	ppbV		99

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229333_Ev2.D
Acq On : 20 Feb 2025 2:15 AM
Operator : AIRLAB22:TPH
Sample : L2506387-04,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 20 07:51:28 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0219SIM\r229324_Ev2.D
Sub List : NYDEC-SIM - .

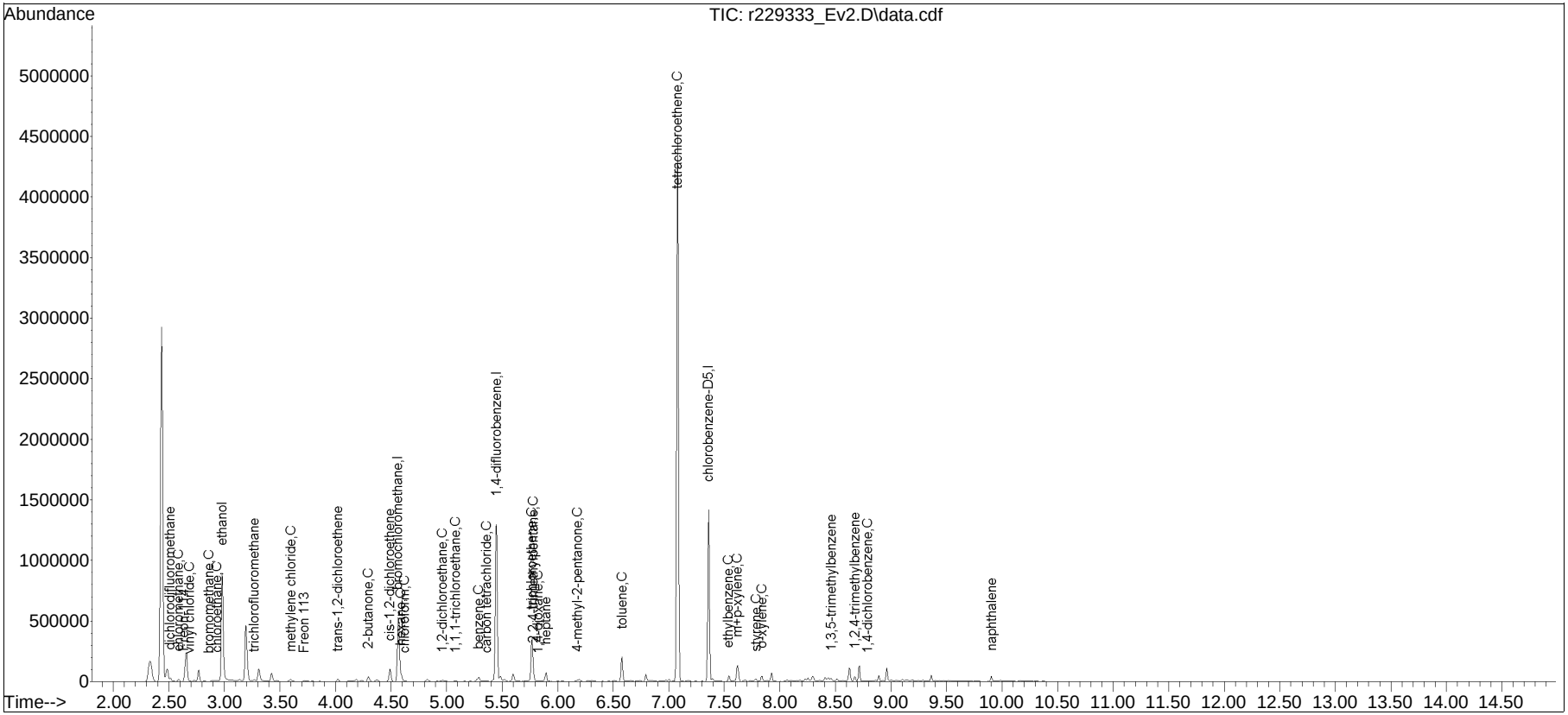
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 2,2,4-trimethylpentane	5.783	57	31409	0.261	ppbV #	94
46) heptane	5.897	43	33825	0.624	ppbV	91
47) cis-1,3-dichloropropene	6.267		0	N.D.		
48) 4-methyl-2-pentanone	6.180	43	5034	0.080	ppbV	95
49) trans-1,3-dichloropropene	6.267		0	N.D.		
50) 1,1,2-trichloroethane	6.407		0	N.D.		
52) toluene	6.580	91	112154	0.827	ppbV	98
55) dibromochloromethane	0.000		0	N.D.		
56) 1,2-dibromoethane	0.000		0	N.D.		
57) tetrachloroethene	7.080	166	1800450	27.552	ppbV	95
59) chlorobenzene	7.387		0	N.D.		
60) ethylbenzene	7.540	91	29417	0.178	ppbV	93
61) m+p-xylene	7.620	91	76760	0.591	ppbV	90
62) bromoform	7.667		0	N.D.		
63) styrene	7.787	104	5474	0.045	ppbV #	91
64) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	d	
65) o-xylene	7.840	91	23079	0.177	ppbV	95
71) 1,3,5-trimethylbenzene	8.467	105	5635	0.036	ppbV #	99
73) 1,2,4-trimethylbenzene	8.677	105	18319	0.119	ppbV #	63
74) Benzyl Chloride	8.750		0	N.D.		
75) 1,3-dichlorobenzene	8.757		0	N.D.		
76) 1,4-dichlorobenzene	8.790	146	1376	0.011	ppbV #	61
79) 1,2-dichlorobenzene	8.970		0	N.D.		
82) 1,2,4-trichlorobenzene	9.857		0	N.D.		
83) naphthalene	9.910	128	6170	0.026	ppbV	96
85) hexachlorobutadiene	10.083		0	N.D.		

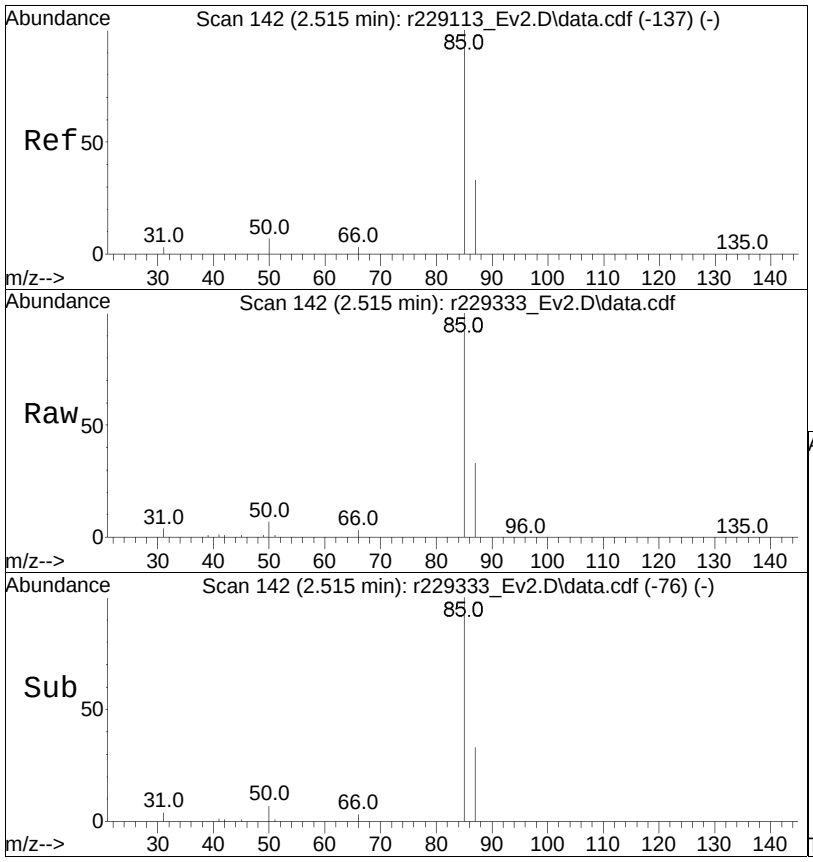
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : NYDEC-SIM - .a\Airlab22\2025\02\0219SIM\r229324_Ev2.D

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229333_Ev2.D
Acq On : 20 Feb 2025 2:15 AM
Operator : AIRLAB22:TPH
Sample : L2506387-04,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 20 07:51:28 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

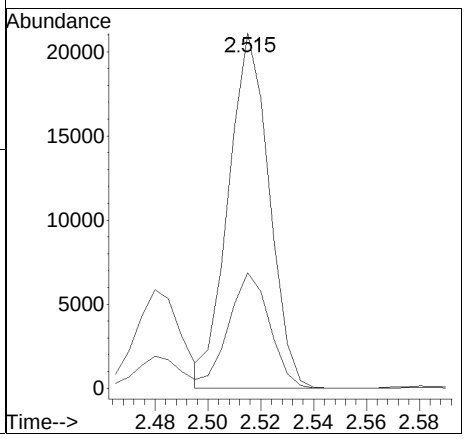


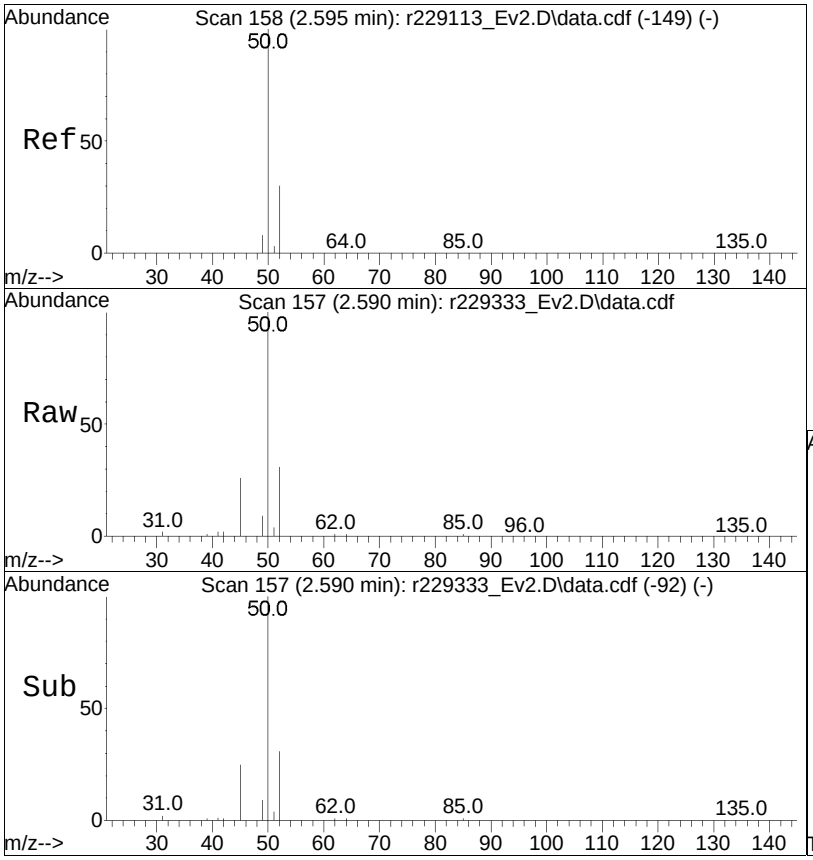


#3
dichlorodifluoromethane
Concen: 0.64 ppbV
RT: 2.515 min Scan# 142
Delta R.T. 0.000 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion: 85 Resp: 22558

Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.2	39.2

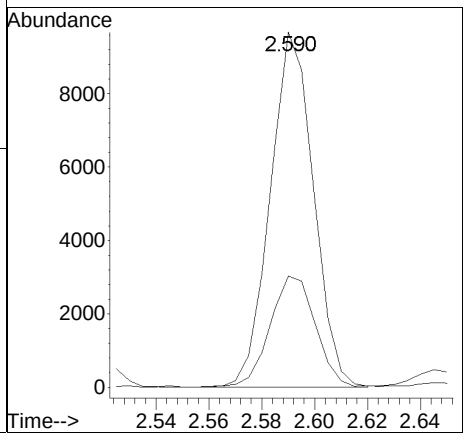


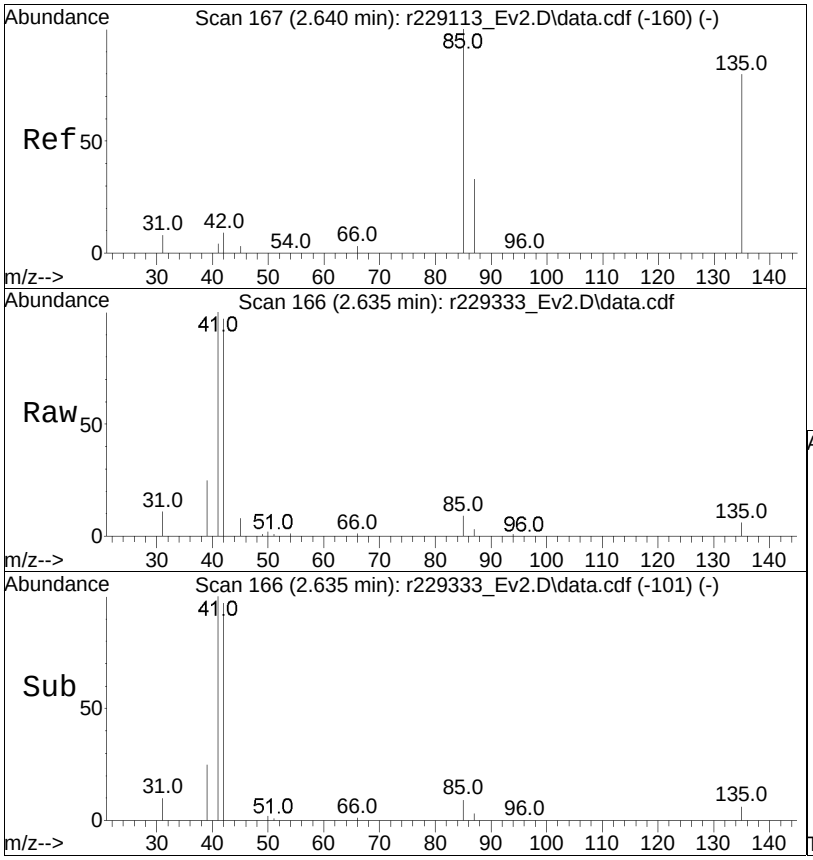


#4
chloromethane
Concen: 0.55 ppbV
RT: 2.590 min Scan# 157
Delta R.T. -0.005 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion: 50 Resp: 10987

Ion	Ratio	Lower	Upper
50	100		
52	31.3	24.3	36.5

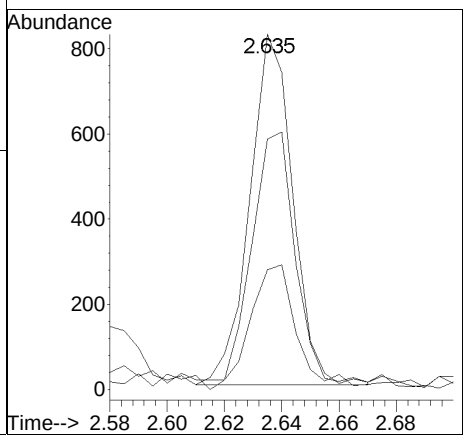


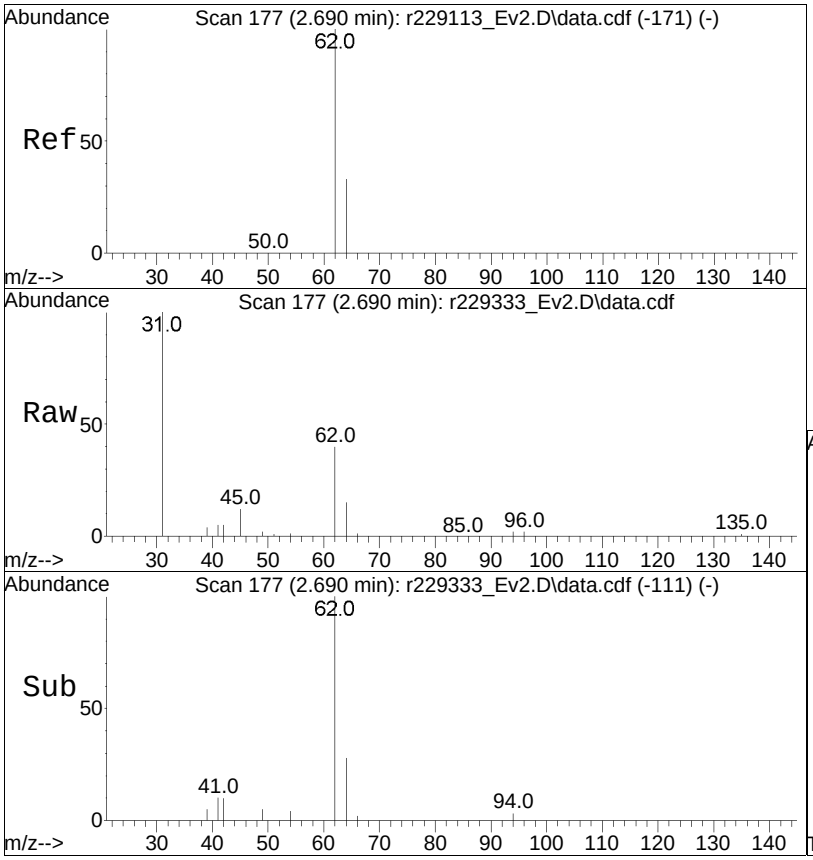


#5
Freon-114
Concen: 0.02 ppbV
RT: 2.635 min Scan# 166
Delta R.T. -0.005 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion: 85 Resp: 860

Ion	Ratio	Lower	Upper
85	100		
87	33.7	26.0	39.0
135	70.4	64.2	96.2

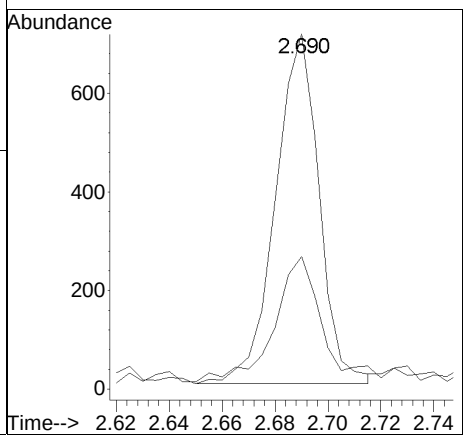


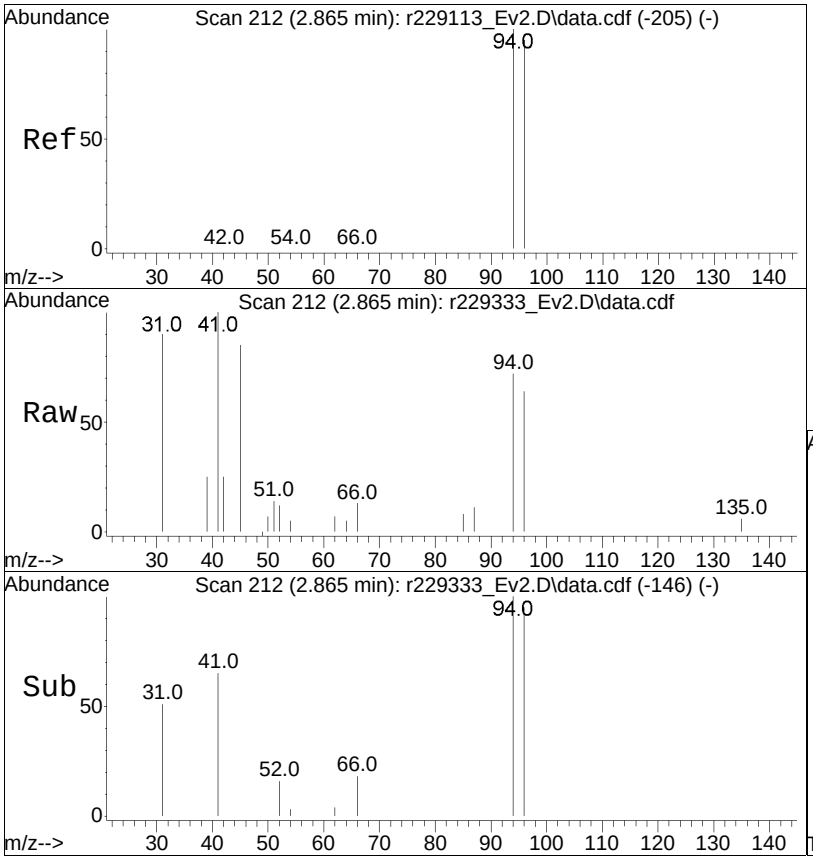


#6
vinyl chloride
Concen: 0.04 ppbV
RT: 2.690 min Scan# 177
Delta R.T. 0.000 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion: 62 Resp: 814

Ion	Ratio	Lower	Upper
62	100		
64	37.4	26.0	39.0

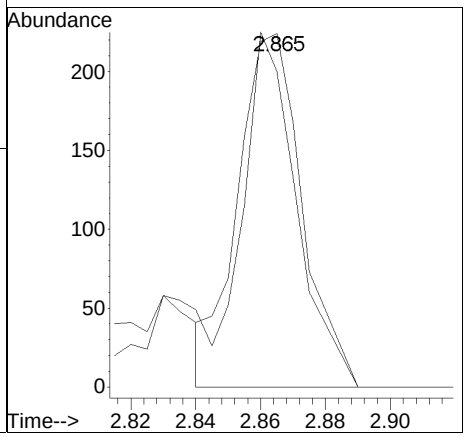


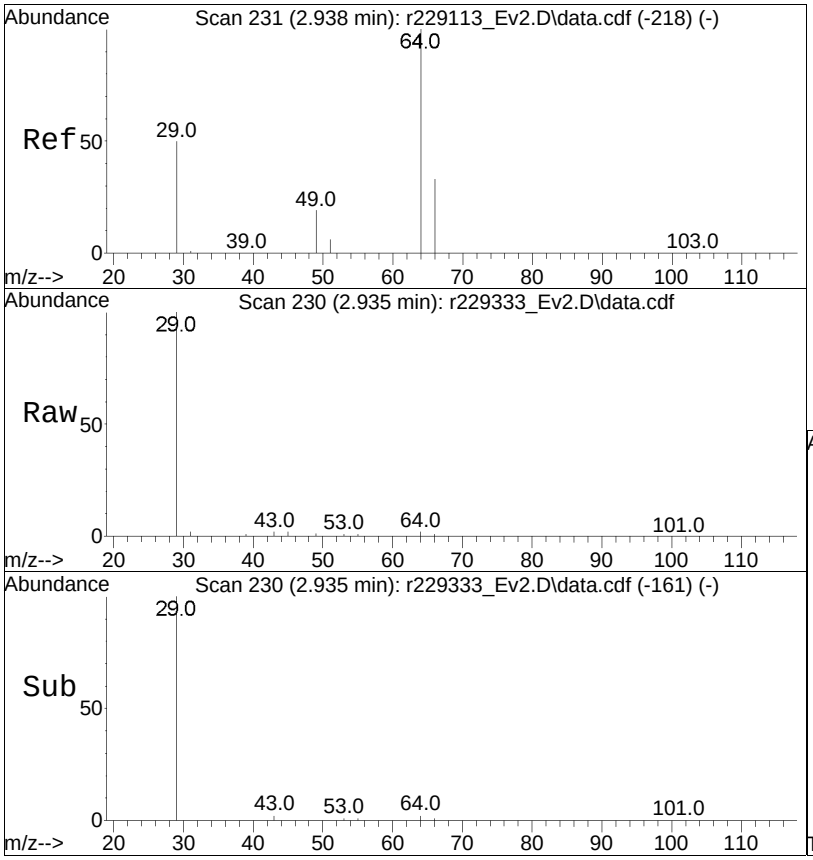


#8
bromomethane
Concen: 0.02 ppbV
RT: 2.865 min Scan# 212
Delta R.T. 0.000 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion: 94 Resp: 338

Ion	Ratio	Lower	Upper
94	100		
96	89.3	76.2	114.4

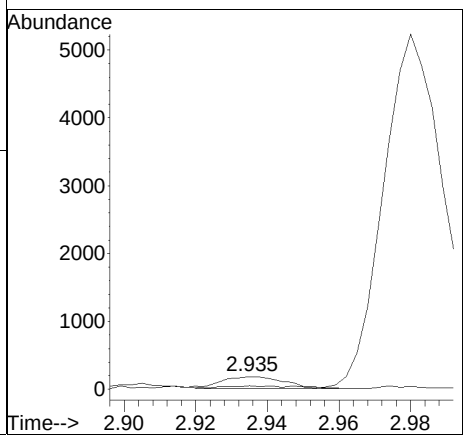


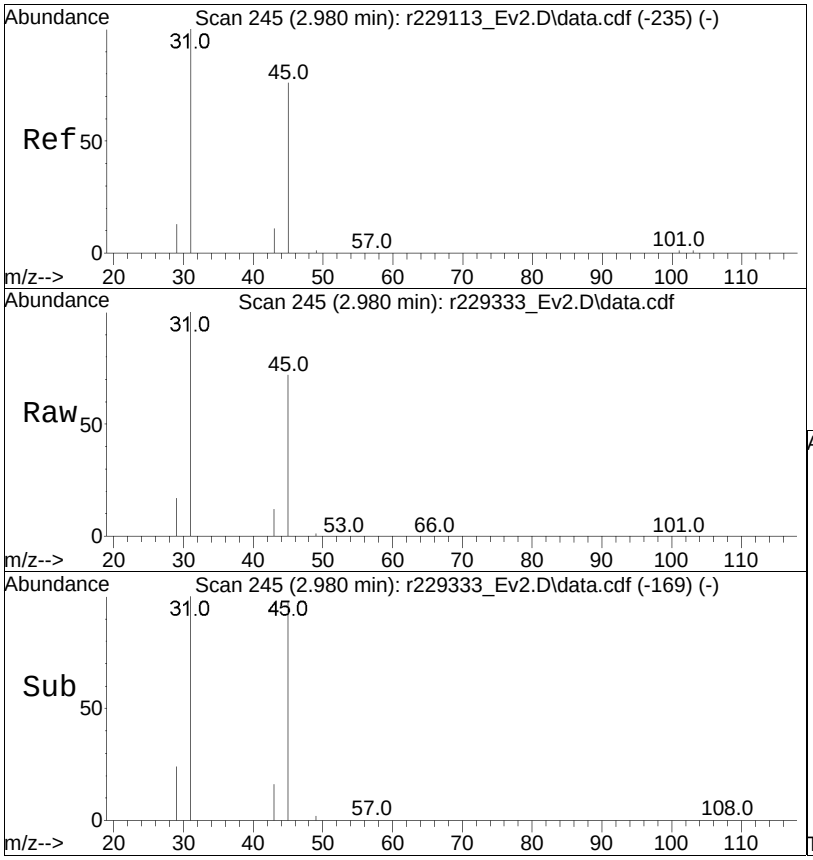


#9
chloroethane
Concen: 0.02 ppbV
RT: 2.935 min Scan# 230
Delta R.T. -0.003 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion: 64 Resp: 222

Ion	Ratio	Lower	Upper
64	100		
49	29.3	15.0	22.4#

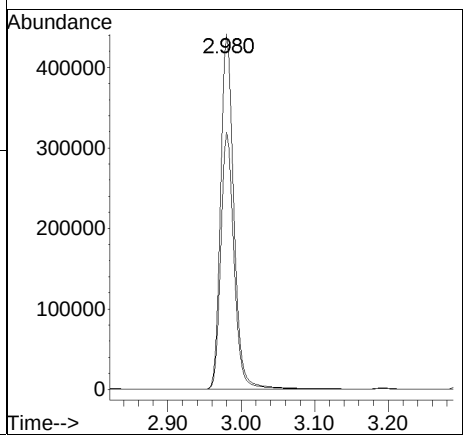


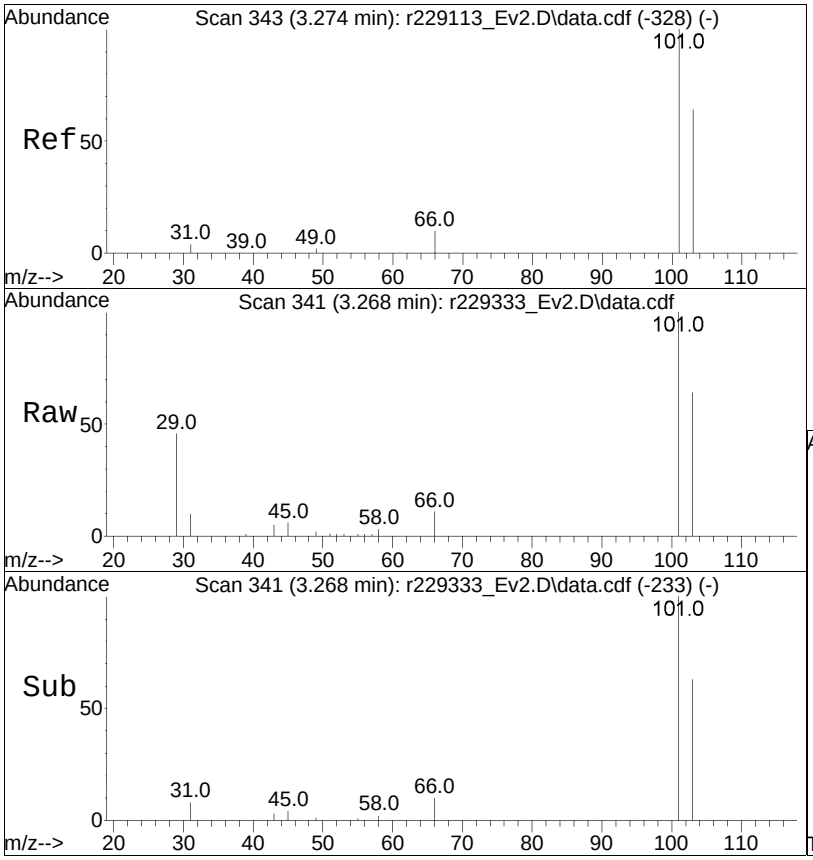


#10
ethanol
Concen: 44.78 ppbV
RT: 2.980 min Scan# 245
Delta R.T. 0.000 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion: 31 Resp: 557343

Ion	Ratio	Lower	Upper
31	100		
45	72.4	60.7	91.1

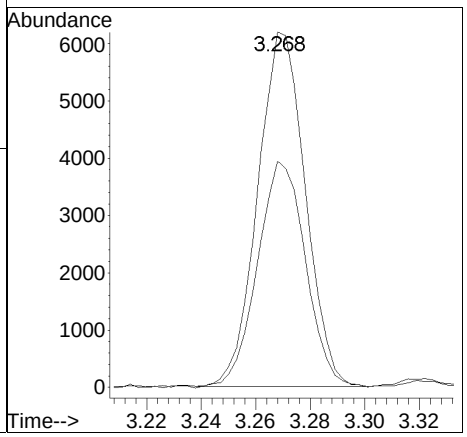


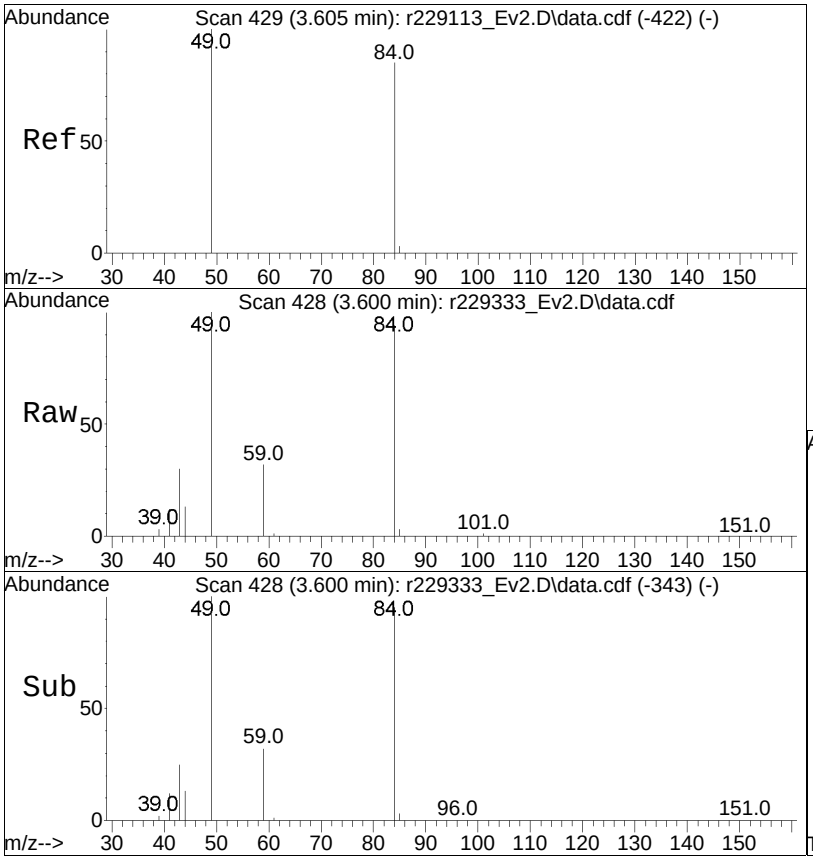


#14
trichlorofluoromethane
Concen: 0.32 ppbV
RT: 3.268 min Scan# 341
Delta R.T. -0.006 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion:101 Resp: 7494

Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.5	77.3

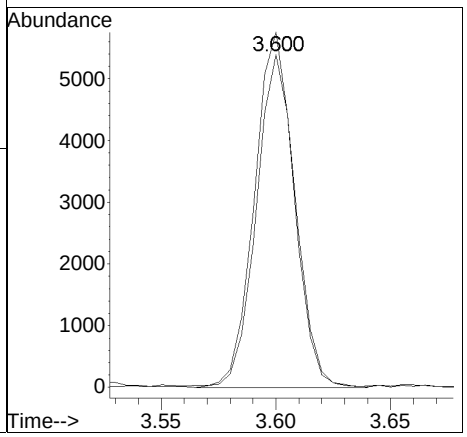


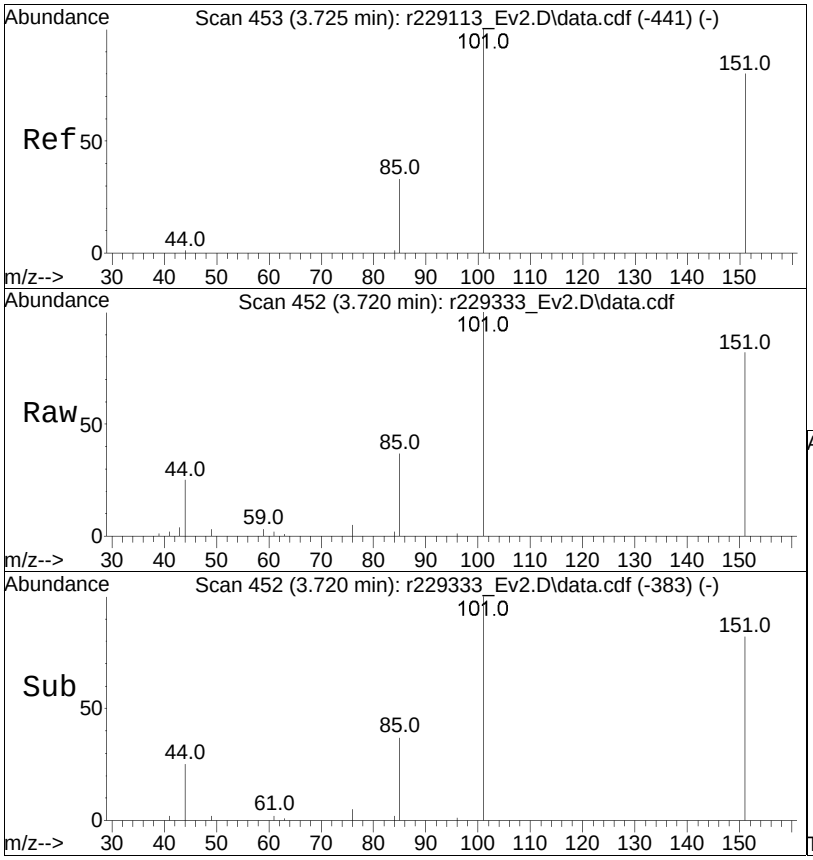


#19
methylene chloride
Concen: 0.25 ppbV
RT: 3.600 min Scan# 428
Delta R.T. -0.005 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion: 49 Resp: 6906

Ion	Ratio	Lower	Upper
49	100		
84	93.7	67.6	101.4

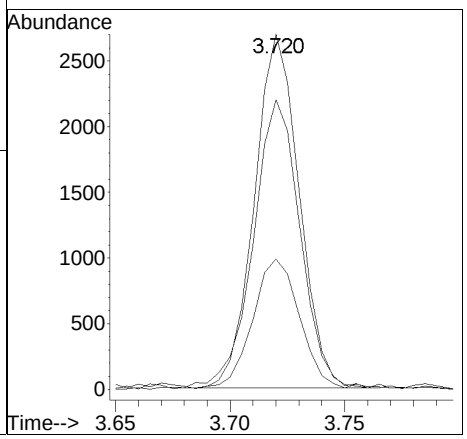


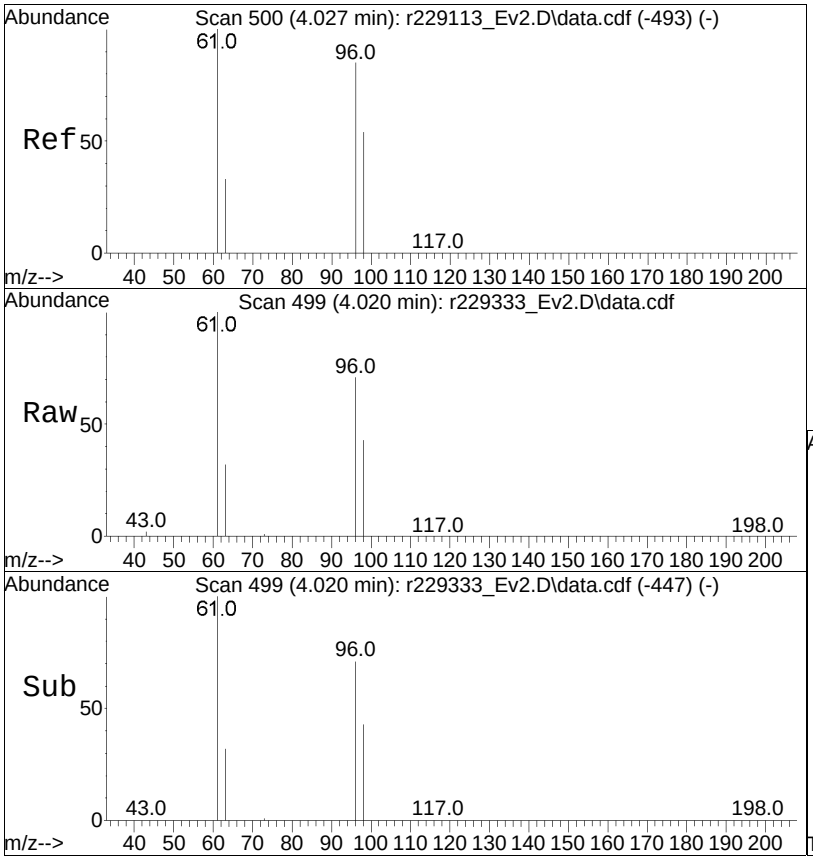


#22
Freon 113
Concen: 0.07 ppbV
RT: 3.720 min Scan# 452
Delta R.T. -0.005 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion:101 Resp: 3654

Ion	Ratio	Lower	Upper
101	100		
85	36.7	26.1	39.1
151	81.6	64.0	96.0

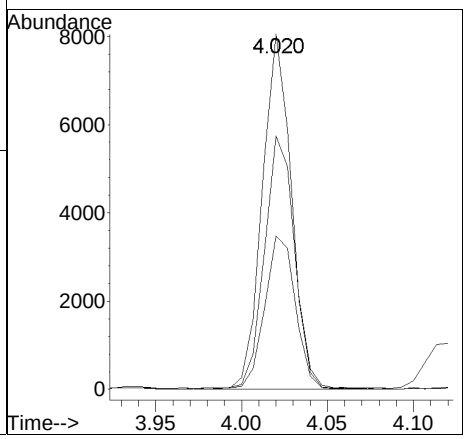


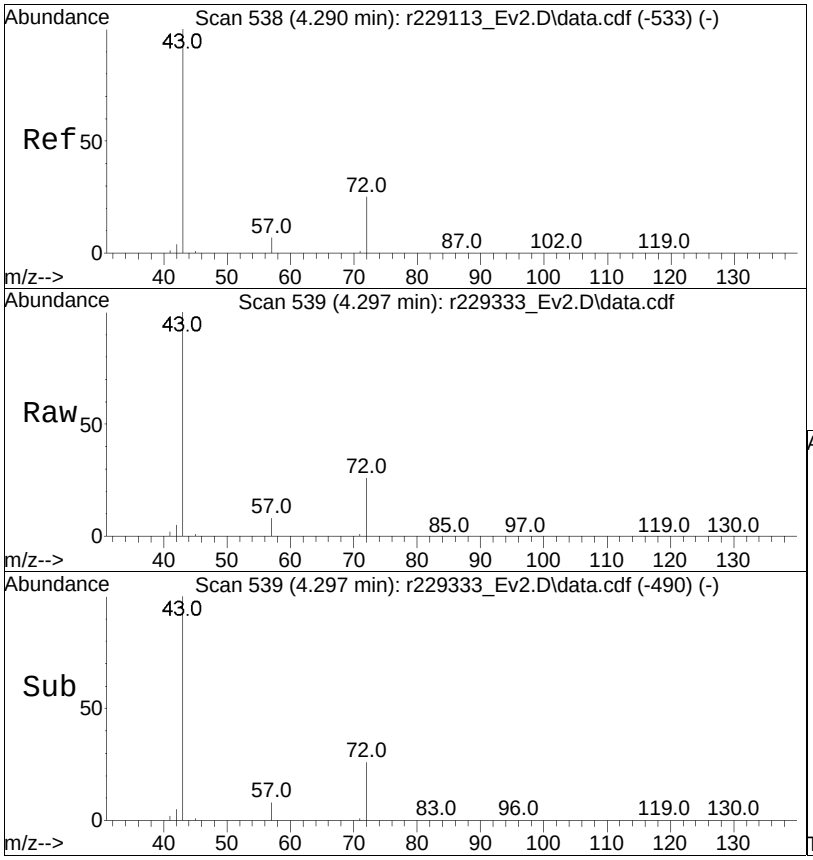


#23
trans-1,2-dichloroethene
Concen: 0.30 ppbV
RT: 4.020 min Scan# 499
Delta R.T. -0.007 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion: 61 Resp: 9458

Ion	Ratio	Lower	Upper
61	100		
96	71.4	68.3	102.5
98	43.2	43.0	64.4

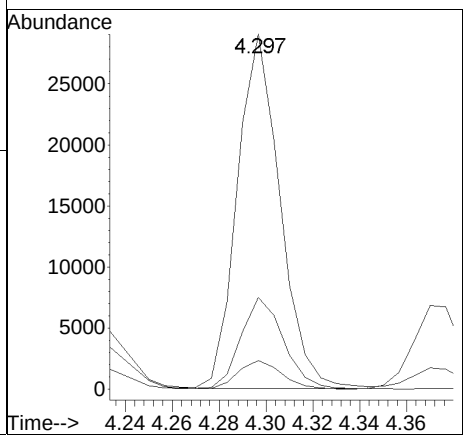


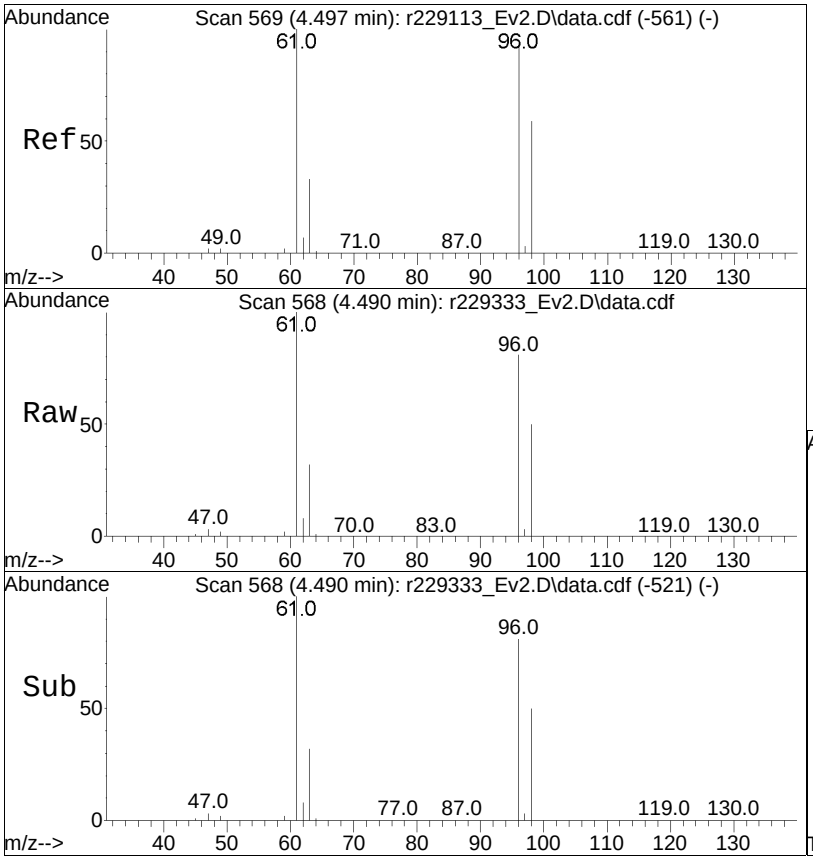


#27
2-butanone
Concen: 0.65 ppbV
RT: 4.297 min Scan# 539
Delta R.T. 0.007 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion: 43 Resp: 36760

Ion	Ratio	Lower	Upper
43	100		
72	25.9	20.2	30.4
57	8.1	5.4	8.0#

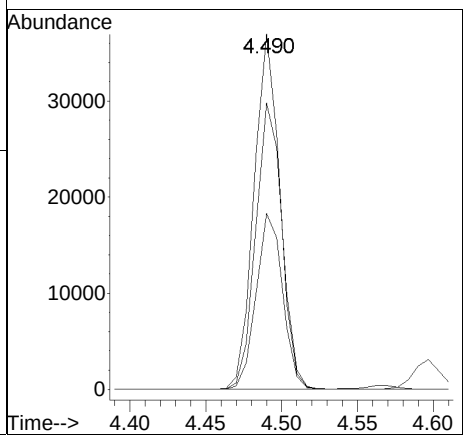


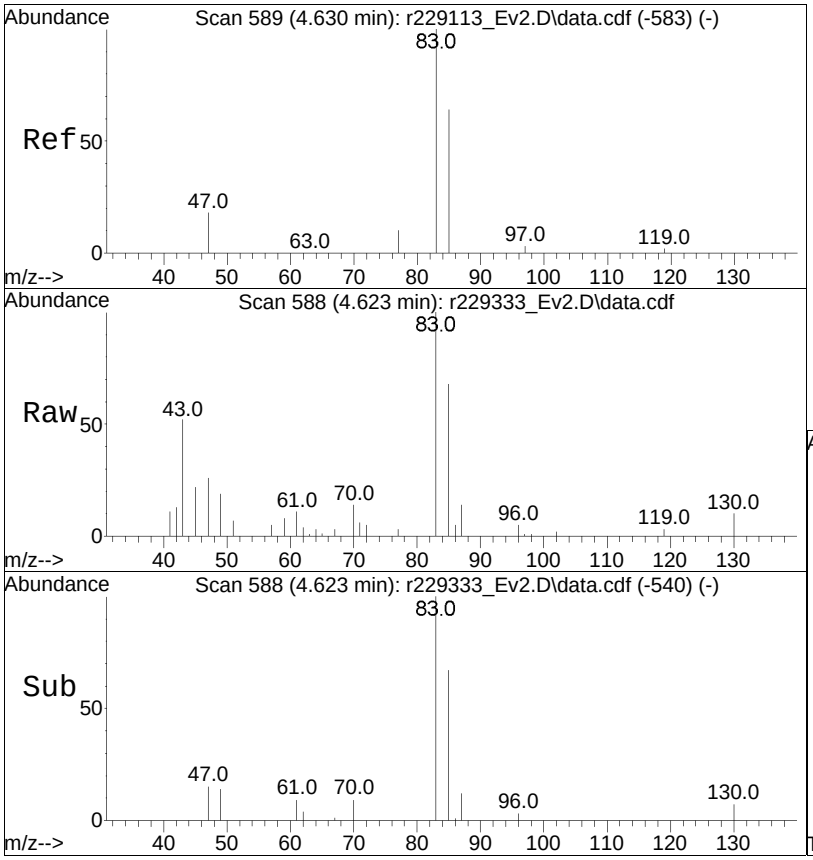


#28
cis-1,2-dichloroethene
Concen: 1.31 ppbV
RT: 4.490 min Scan# 568
Delta R.T. -0.007 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion: 61 Resp: 43598

Ion	Ratio	Lower	Upper
61	100		
96	80.6	75.9	113.9
98	49.5	47.6	71.4

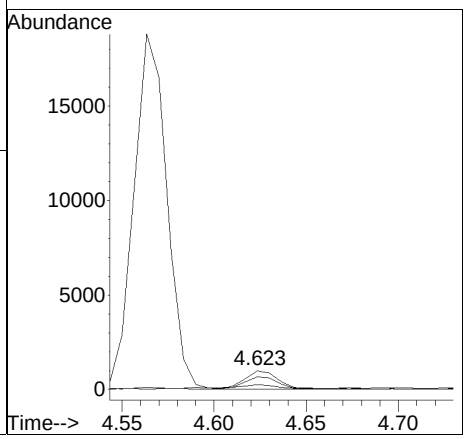


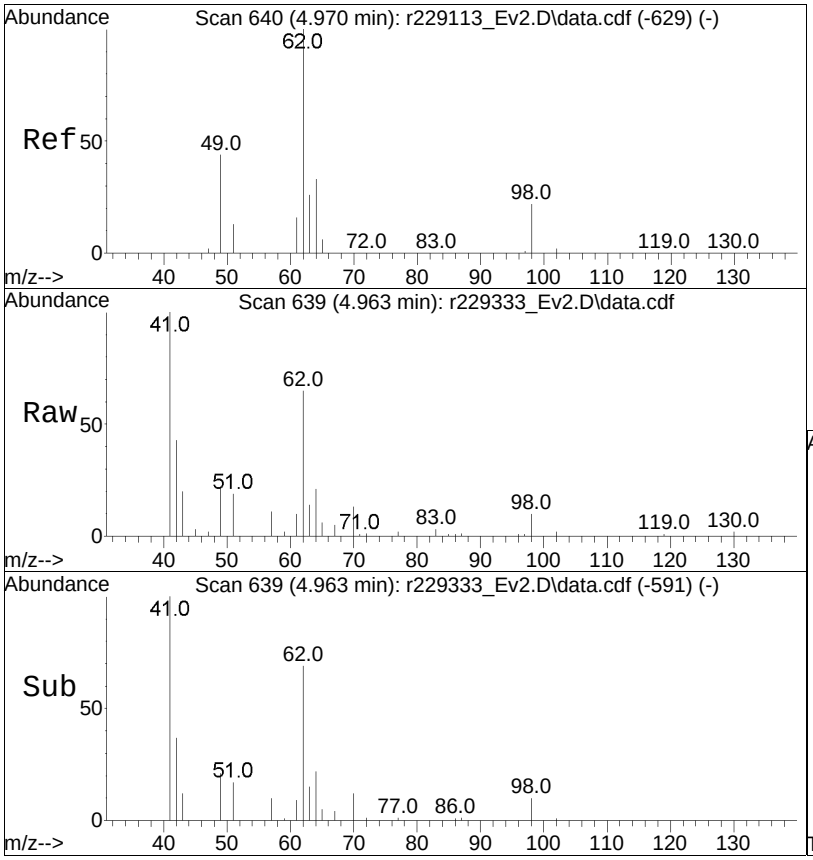


#30
chloroform
Concen: 0.03 ppbV
RT: 4.623 min Scan# 588
Delta R.T. -0.007 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion: 83 Resp: 1265

Ion	Ratio	Lower	Upper
83	100		
85	67.8	51.8	77.6
47	25.8	16.1	24.1#

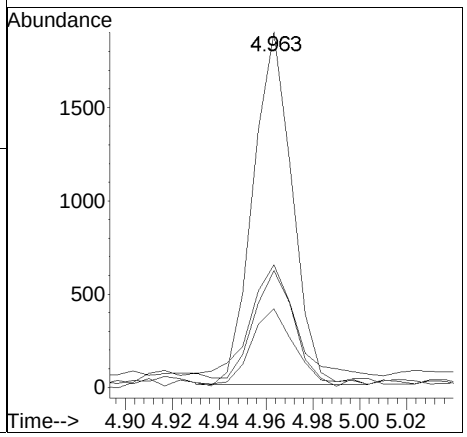


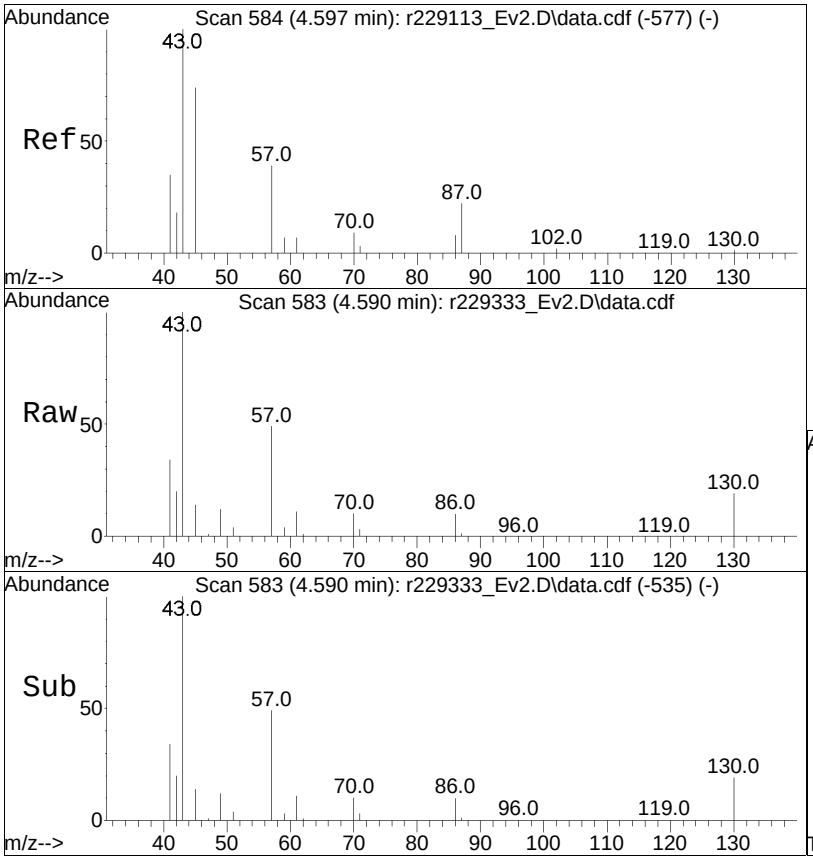


#32
1,2-dichloroethane
Concen: 0.11 ppbV
RT: 4.963 min Scan# 639
Delta R.T. -0.007 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion: 62 Resp: 2194

Ion	Ratio	Lower	Upper
62	100		
64	32.9	26.8	40.2
49	34.5	35.7	53.5#
63	22.1	21.0	31.6

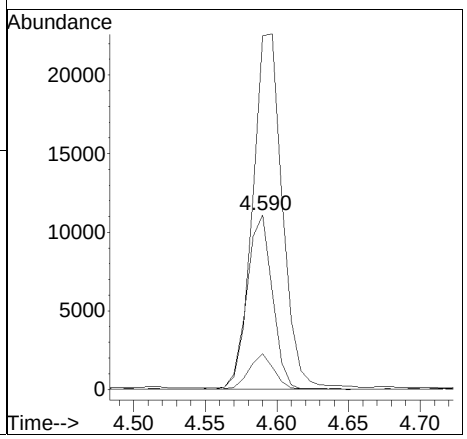


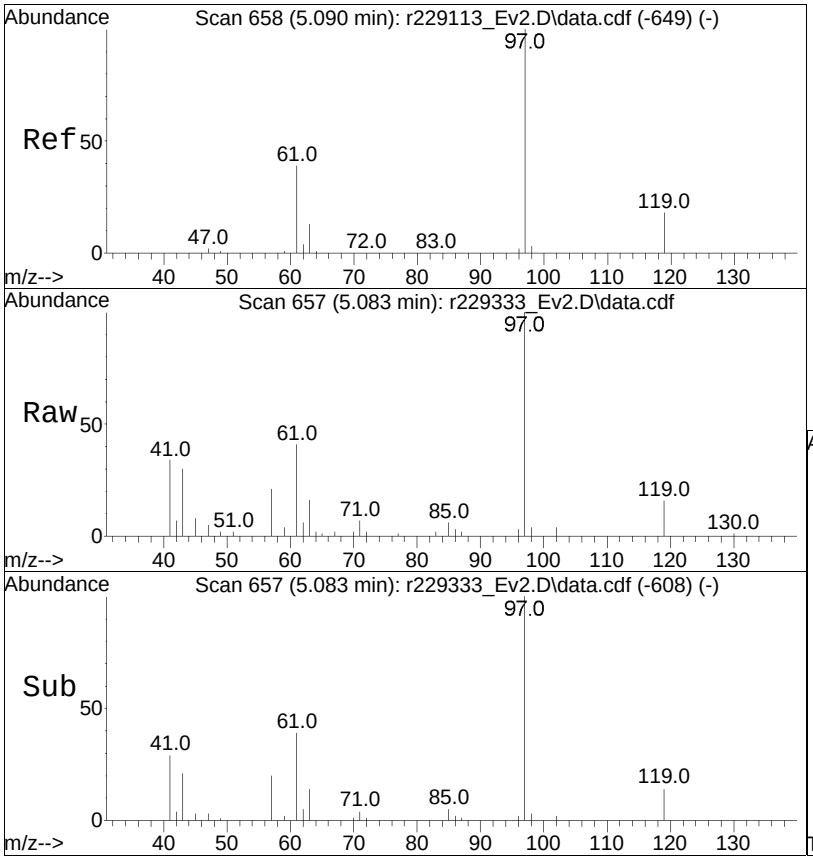


#34
hexane
Concen: 0.37 ppbV
RT: 4.590 min Scan# 583
Delta R.T. -0.007 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion: 57 Resp: 13822

Ion	Ratio	Lower	Upper
57	100		
43	202.8	207.8	311.8#
86	20.3	17.5	26.3

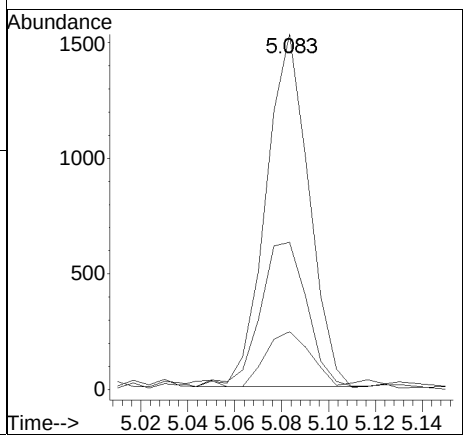


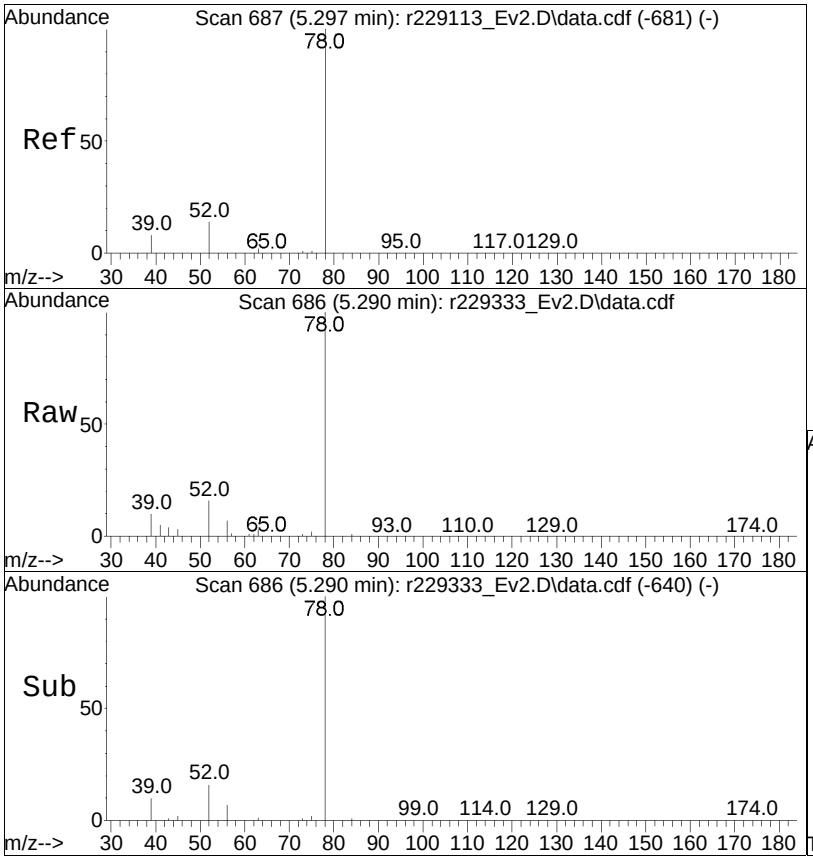


#36
1,1,1-trichloroethane
Concen: 0.06 ppbV
RT: 5.083 min Scan# 657
Delta R.T. -0.007 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion: 97 Resp: 1943

Ion	Ratio	Lower	Upper
97	100		
61	41.4	31.5	47.3
119	16.3	14.2	21.4

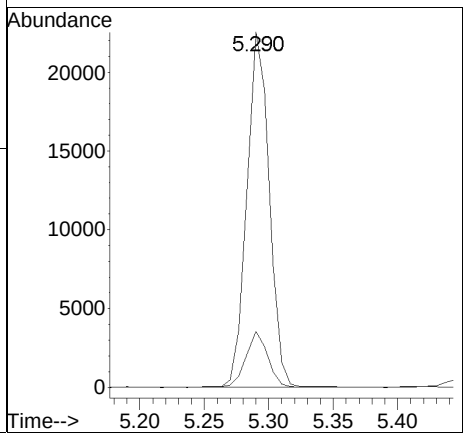


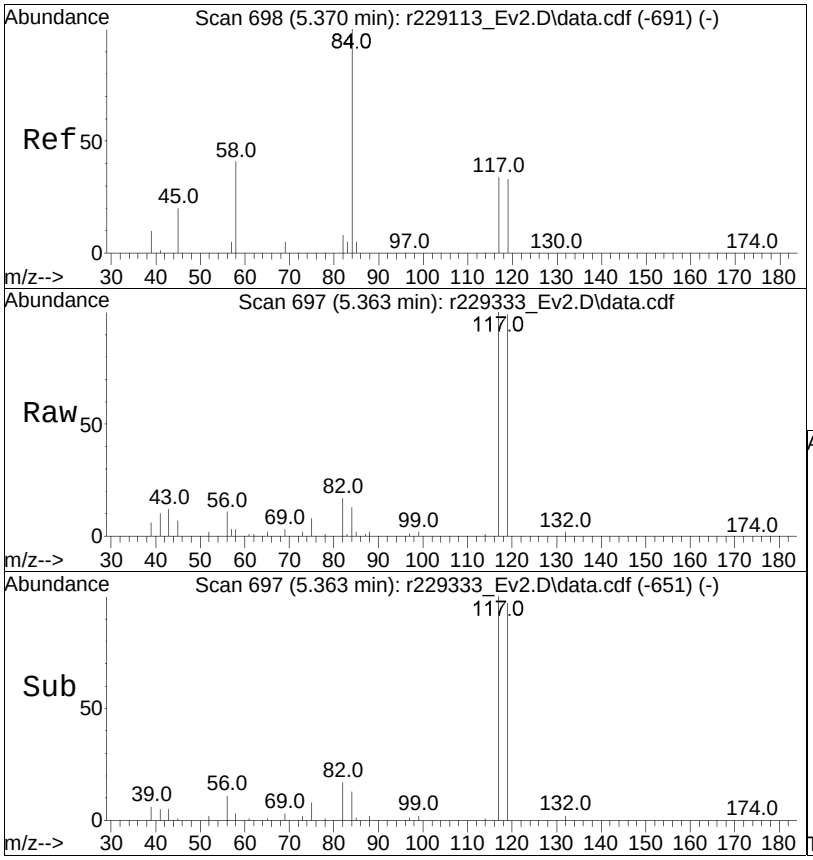


#37
benzene
Concen: 0.30 ppbV
RT: 5.290 min Scan# 686
Delta R.T. -0.007 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion: 78 Resp: 27320

Ion	Ratio	Lower	Upper
78	100		
52	15.8	11.3	16.9

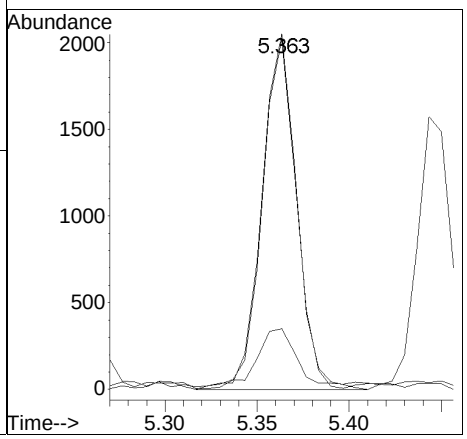


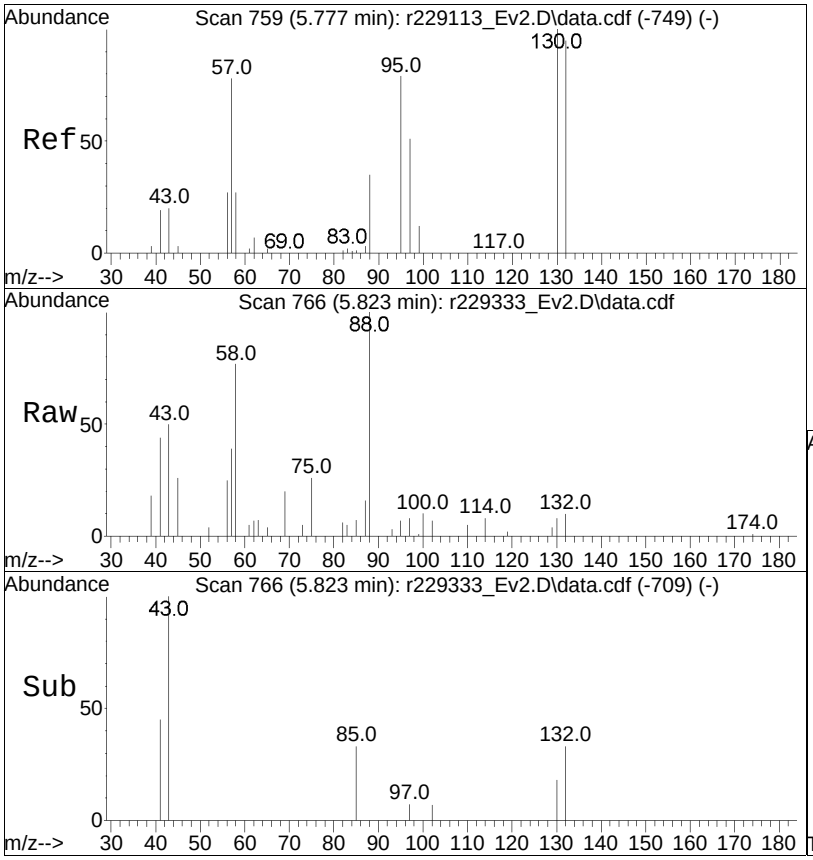


#38
carbon tetrachloride
Concen: 0.11 ppbV
RT: 5.363 min Scan# 697
Delta R.T. -0.007 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion:117 Resp: 2702

Ion	Ratio	Lower	Upper
117	100		
119	98.6	77.7	116.5
82	17.1	19.5	29.3#

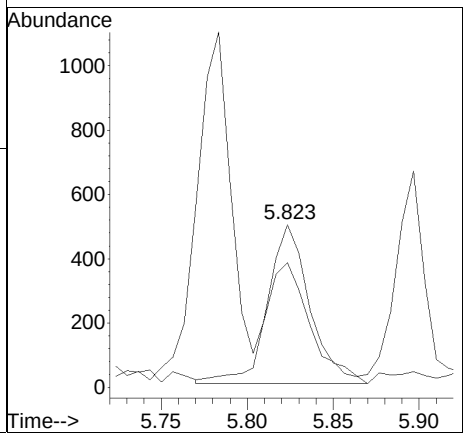


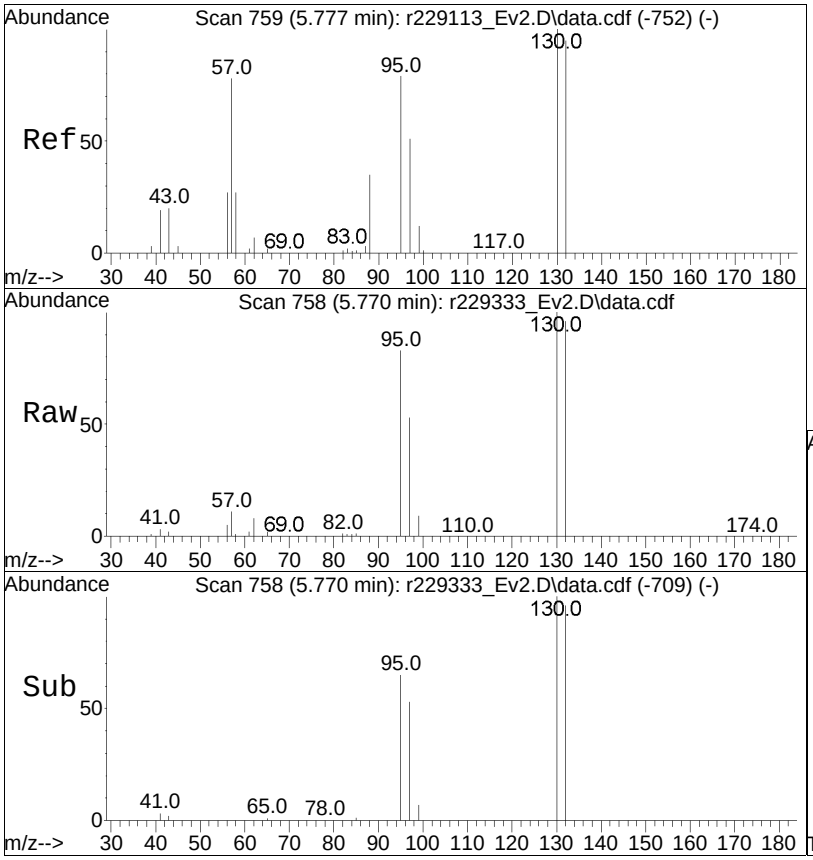


#43
1,4-dioxane
Concen: 0.04 ppbV
RT: 5.823 min Scan# 766
Delta R.T. 0.047 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion: 88 Resp: 853

Ion	Ratio	Lower	Upper
88	100		
58	76.7	63.0	94.6

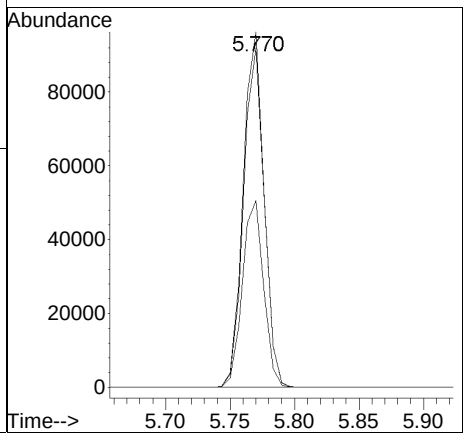


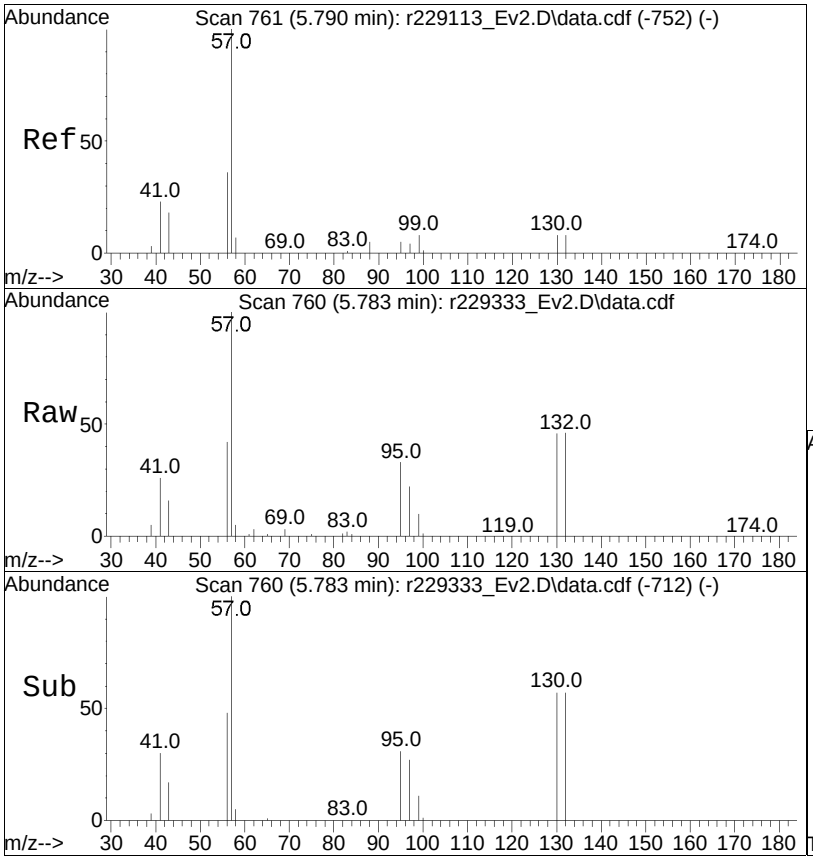


#44
trichloroethene
Concen: 2.57 ppbV
RT: 5.770 min Scan# 758
Delta R.T. -0.007 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion:130 Resp: 108164

Ion	Ratio	Lower	Upper
130	100		
132	95.6	76.1	114.1
97	52.6	40.7	61.1

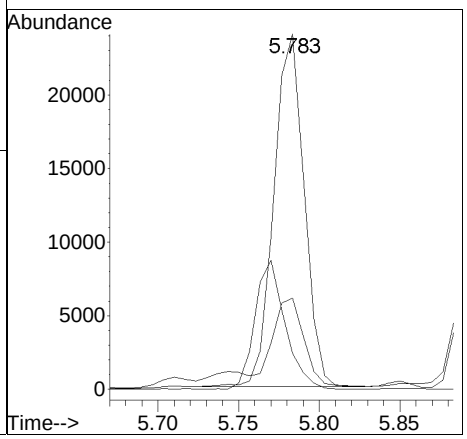


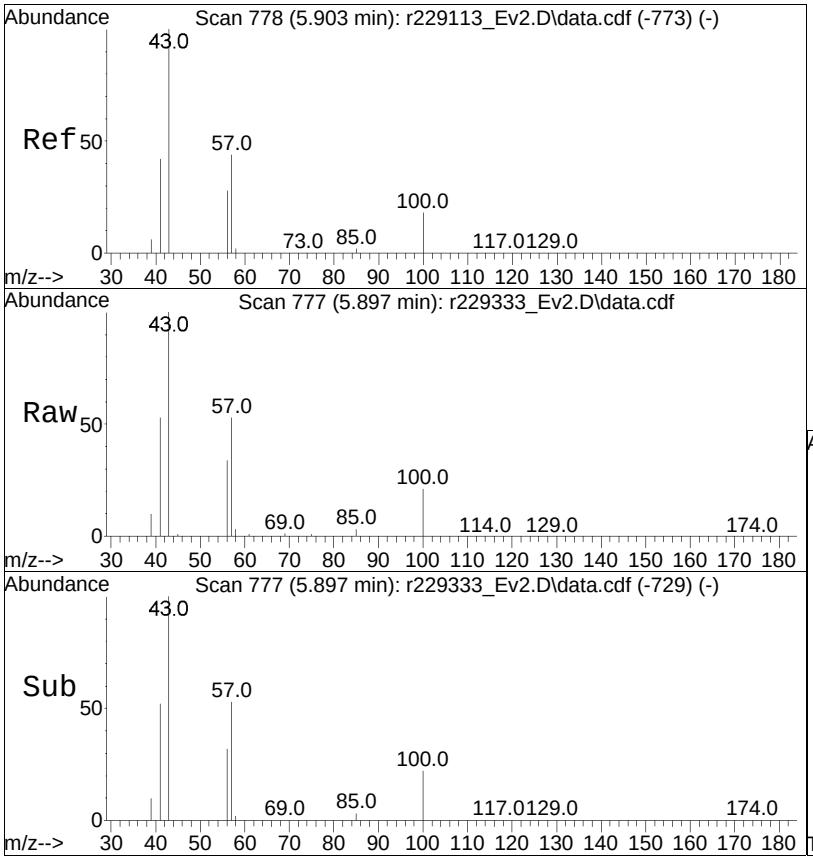


#45
2,2,4-trimethylpentane
Concen: 0.26 ppbV
RT: 5.783 min Scan# 760
Delta R.T. -0.007 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion: 57 Resp: 31409

Ion	Ratio	Lower	Upper
57	100		
99	10.2	6.0	9.0#
41	25.7	18.6	28.0

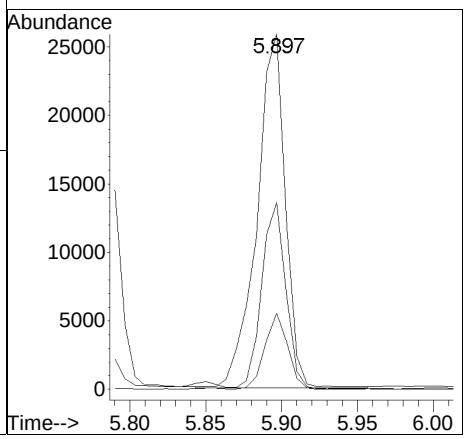


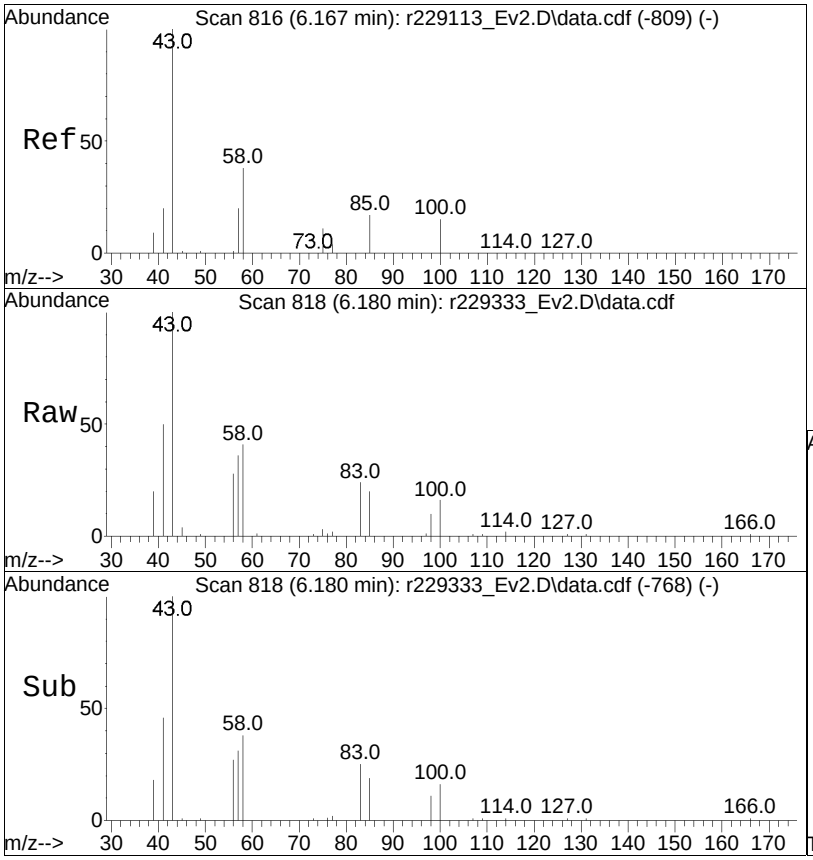


#46
heptane
Concen: 0.62 ppbV
RT: 5.897 min Scan# 777
Delta R.T. -0.007 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion: 43 Resp: 33825

Ion	Ratio	Lower	Upper
43	100		
57	52.6	35.6	53.4
100	21.5	16.6	24.8

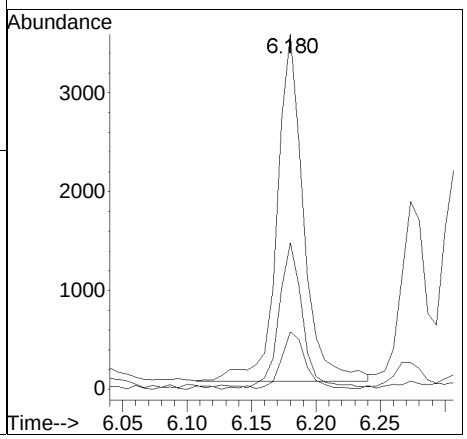


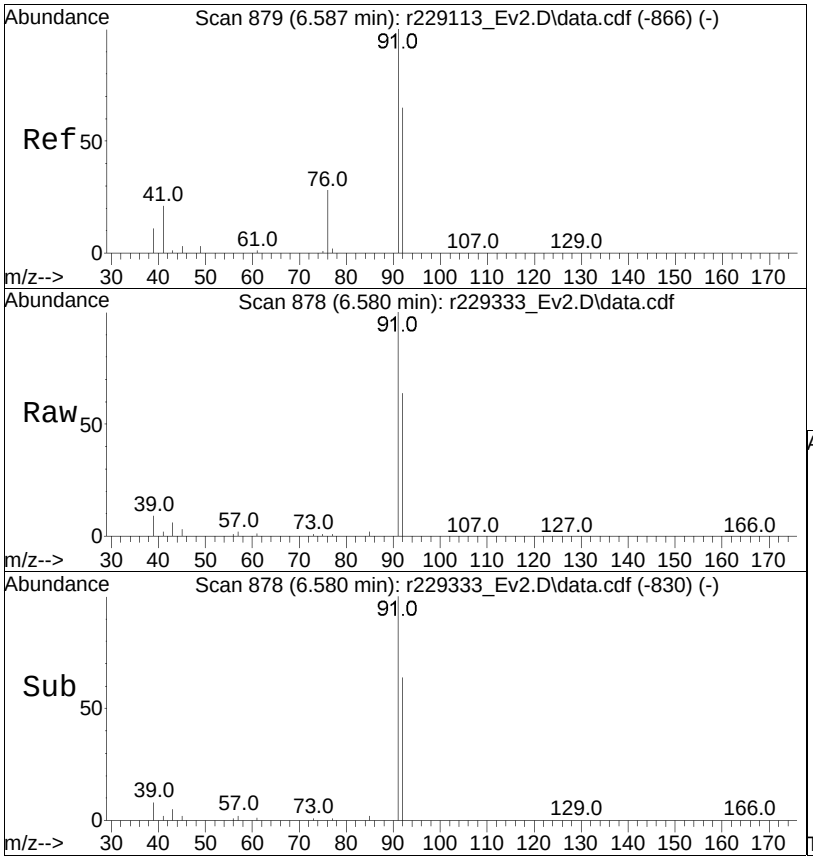


#48
4-methyl-2-pentanone
Concen: 0.08 ppbV
RT: 6.180 min Scan# 818
Delta R.T. 0.013 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion: 43 Resp: 5034

Ion	Ratio	Lower	Upper
43	100		
58	41.2	30.1	45.1
100	16.2	12.2	18.2

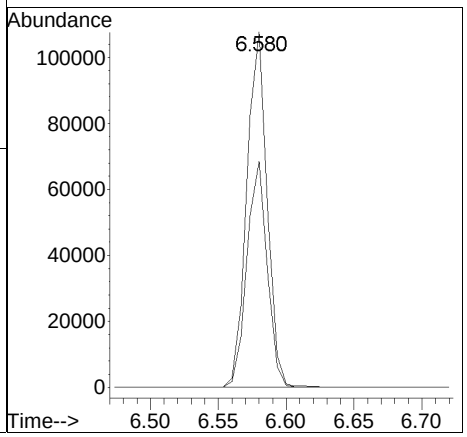


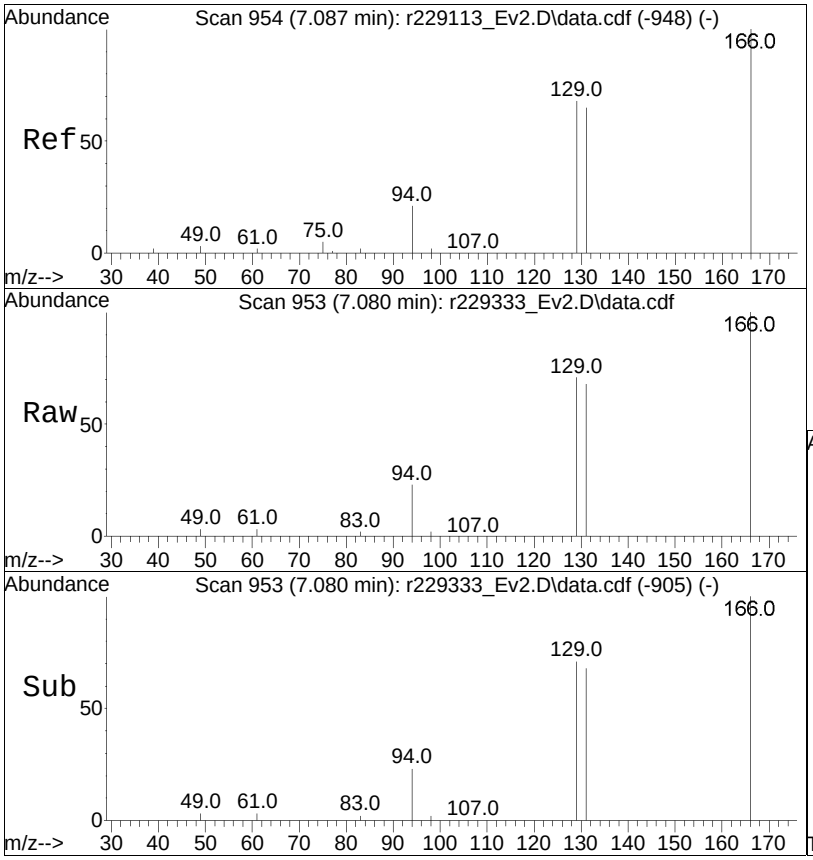


#52
toluene
Concen: 0.83 ppbV
RT: 6.580 min Scan# 878
Delta R.T. -0.007 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion: 91 Resp: 112154

Ion	Ratio	Lower	Upper
91	100		
92	63.7	52.2	78.2

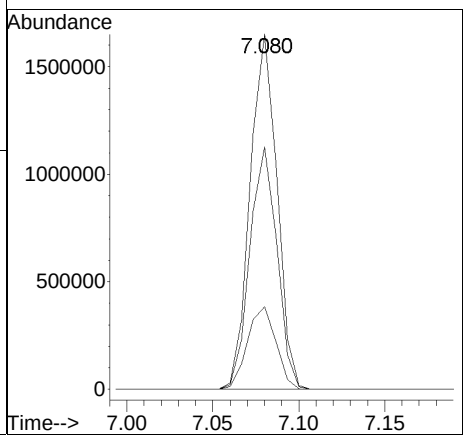


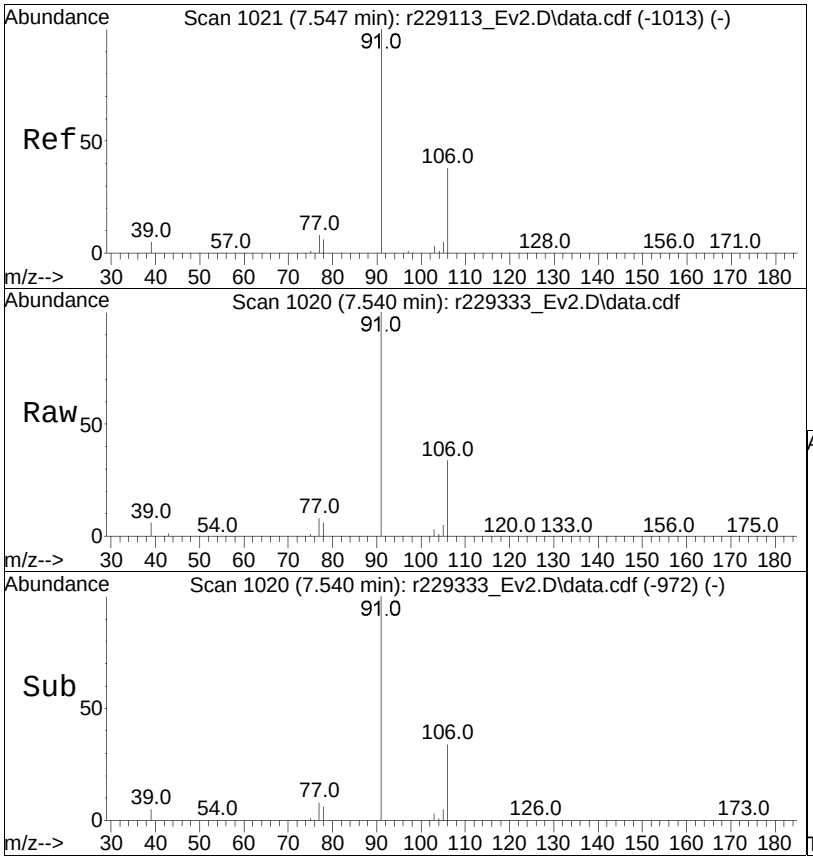


#57
tetrachloroethene
Concen: 27.55 ppbV
RT: 7.080 min Scan# 953
Delta R.T. -0.007 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion:166 Resp: 1800450

Ion	Ratio	Lower	Upper
166	100		
131	68.2	51.9	77.9
94	23.3	16.6	24.8

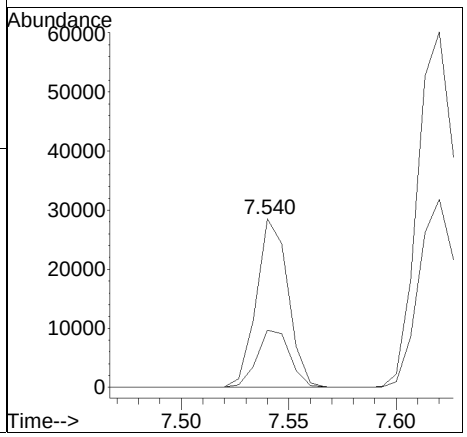


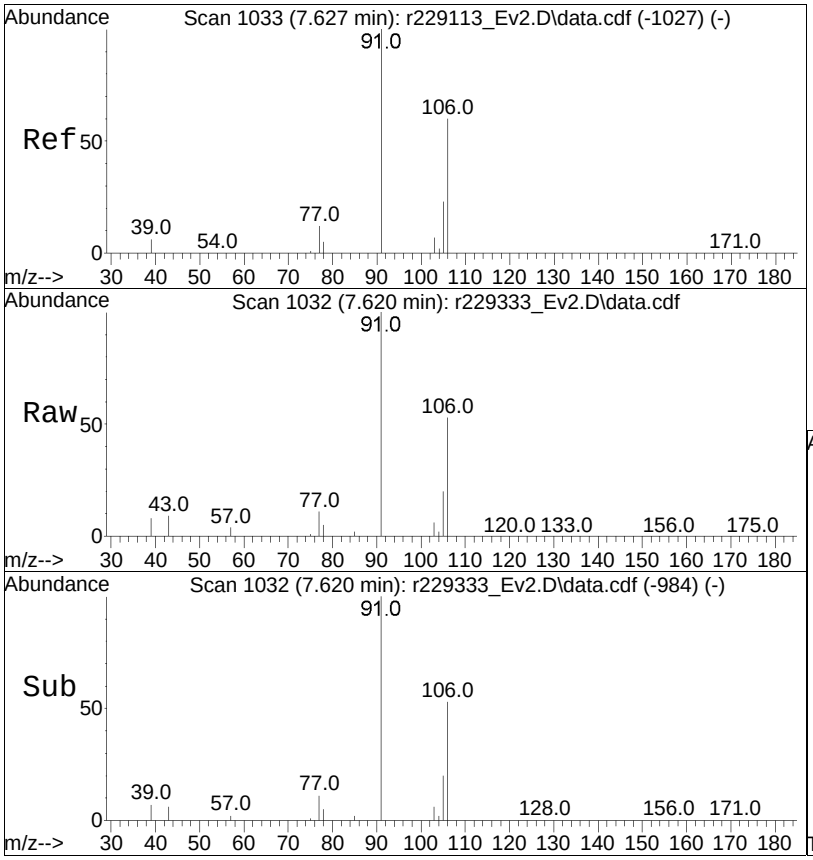


#60
ethylbenzene
Concen: 0.18 ppbV
RT: 7.540 min Scan# 1020
Delta R.T. -0.007 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion: 91 Resp: 29417

Ion	Ratio	Lower	Upper
91	100		
106	34.0	30.4	45.6

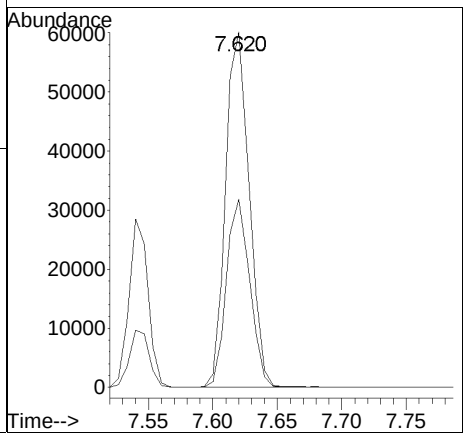


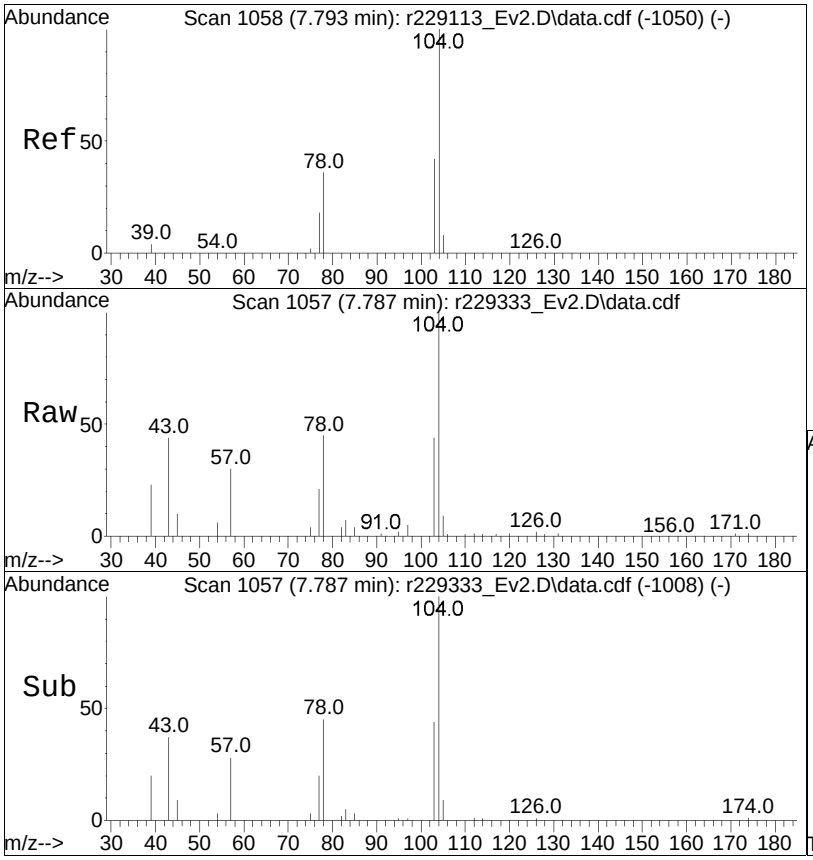


#61
m+p-xylene
Concen: 0.59 ppbV
RT: 7.620 min Scan# 1032
Delta R.T. -0.007 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion: 91 Resp: 76760

Ion	Ratio	Lower	Upper
91	100		
106	53.0	48.2	72.2

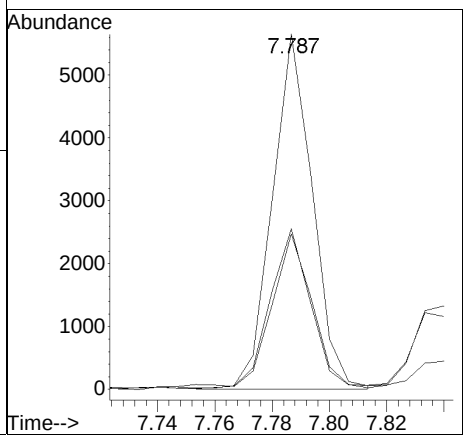


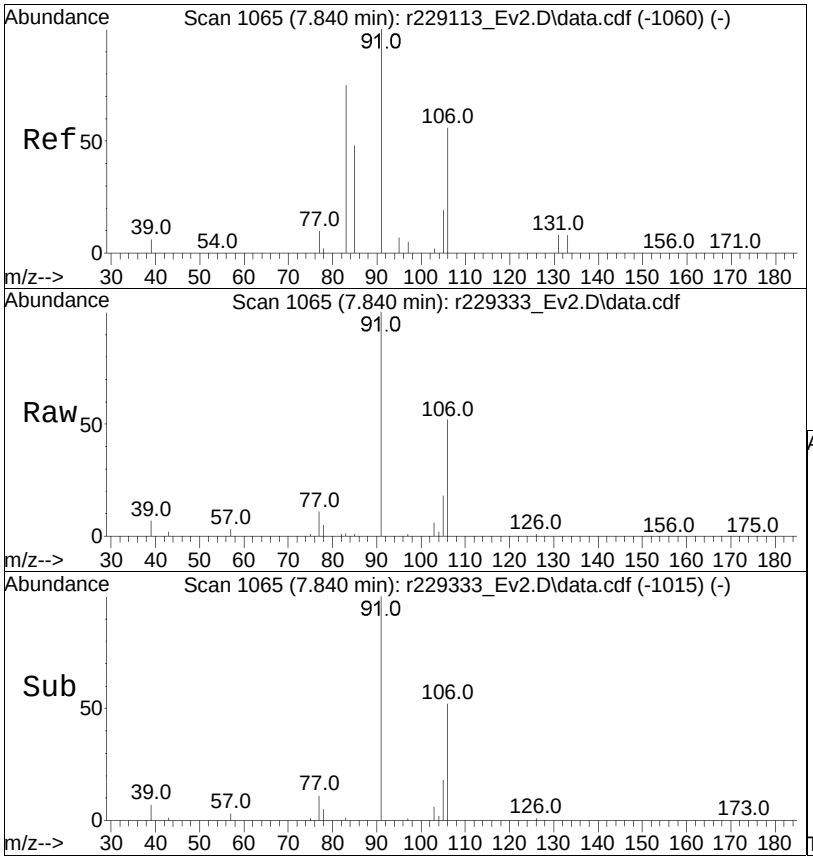


#63
styrene
Concen: 0.04 ppbV
RT: 7.787 min Scan# 1057
Delta R.T. -0.007 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion:104 Resp: 5474

Ion	Ratio	Lower	Upper
104	100		
103	43.8	33.7	50.5
78	45.2	28.9	43.3#

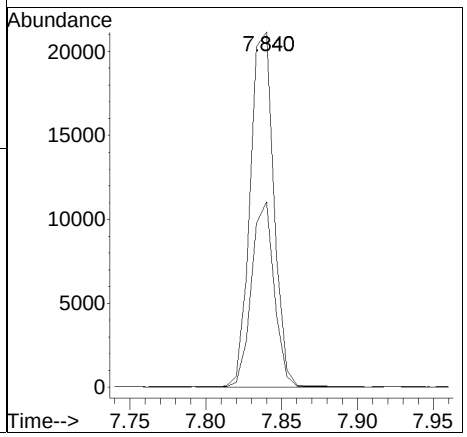


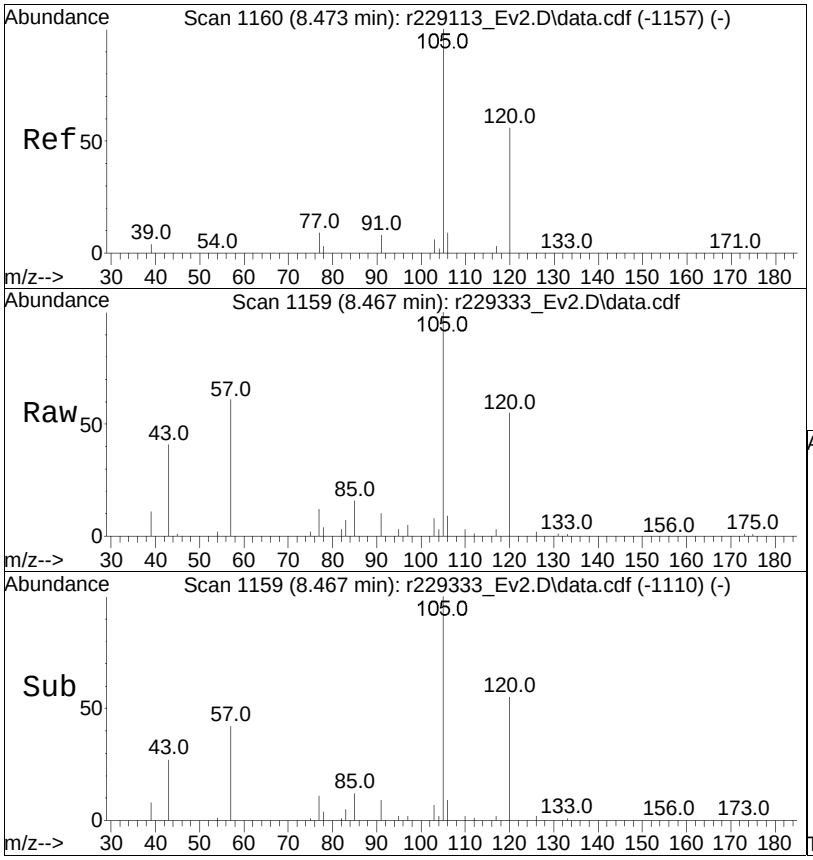


#65
o-xylene
Concen: 0.18 ppbV
RT: 7.840 min Scan# 1065
Delta R.T. 0.000 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion: 91 Resp: 23079

Ion	Ratio	Lower	Upper
91	100		
106	52.2	44.8	67.2

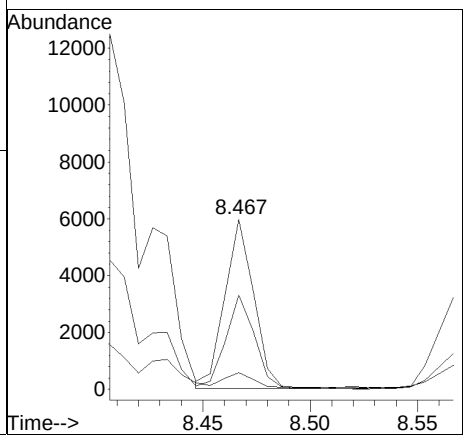


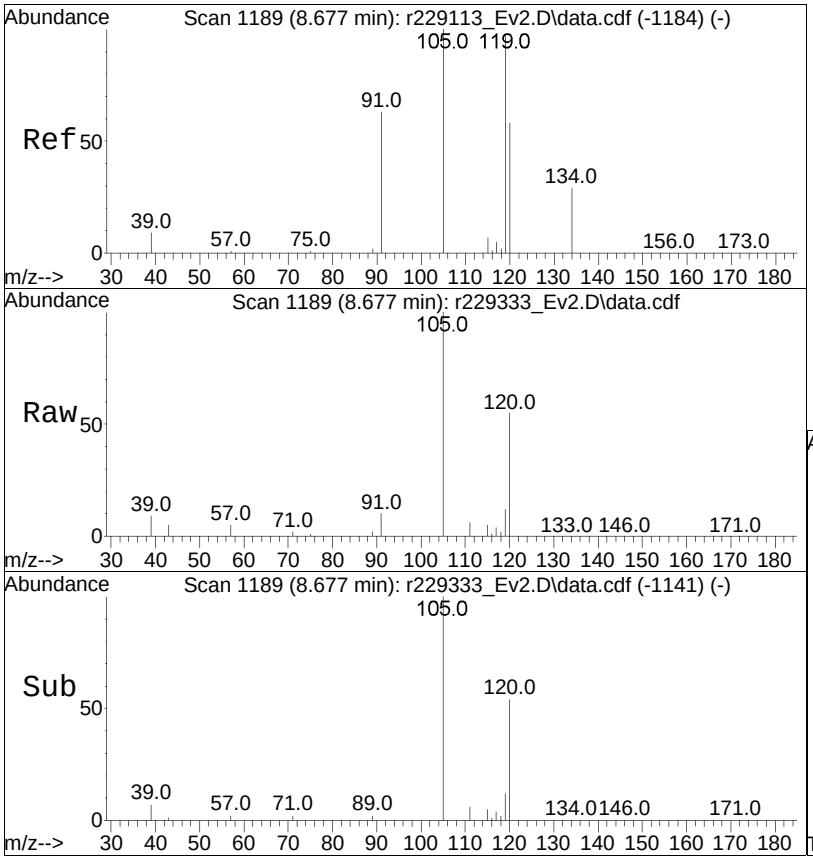


#71
1,3,5-trimethylbenzene
Concen: 0.04 ppbV
RT: 8.467 min Scan# 1159
Delta R.T. -0.007 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion:105 Resp: 5635

Ion	Ratio	Lower	Upper
105	100		
120	55.5	44.2	66.4
91	9.9	6.2	9.4#

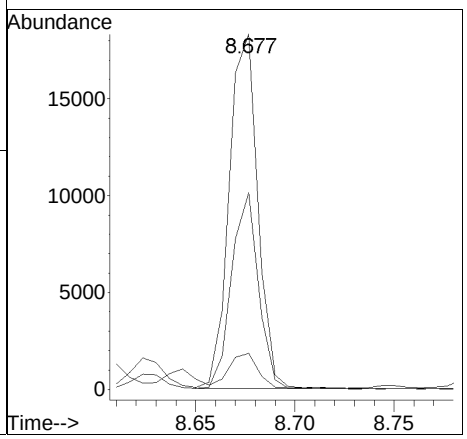


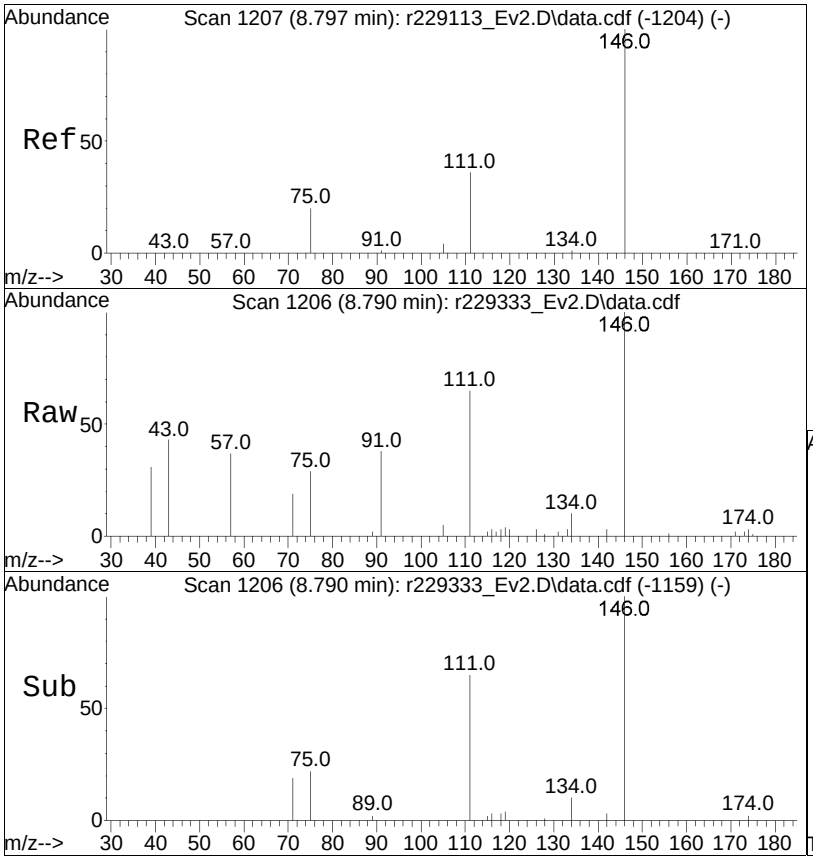


#73
1,2,4-trimethylbenzene
Concen: 0.12 ppbV
RT: 8.677 min Scan# 1189
Delta R.T. 0.000 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion:105 Resp: 18319

Ion	Ratio	Lower	Upper
105	100		
120	55.4	46.5	69.7
91	10.1	50.3	75.5#

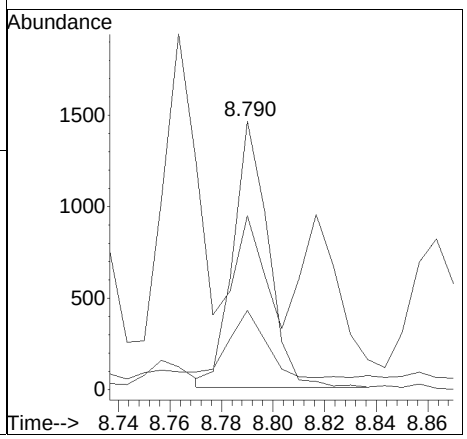


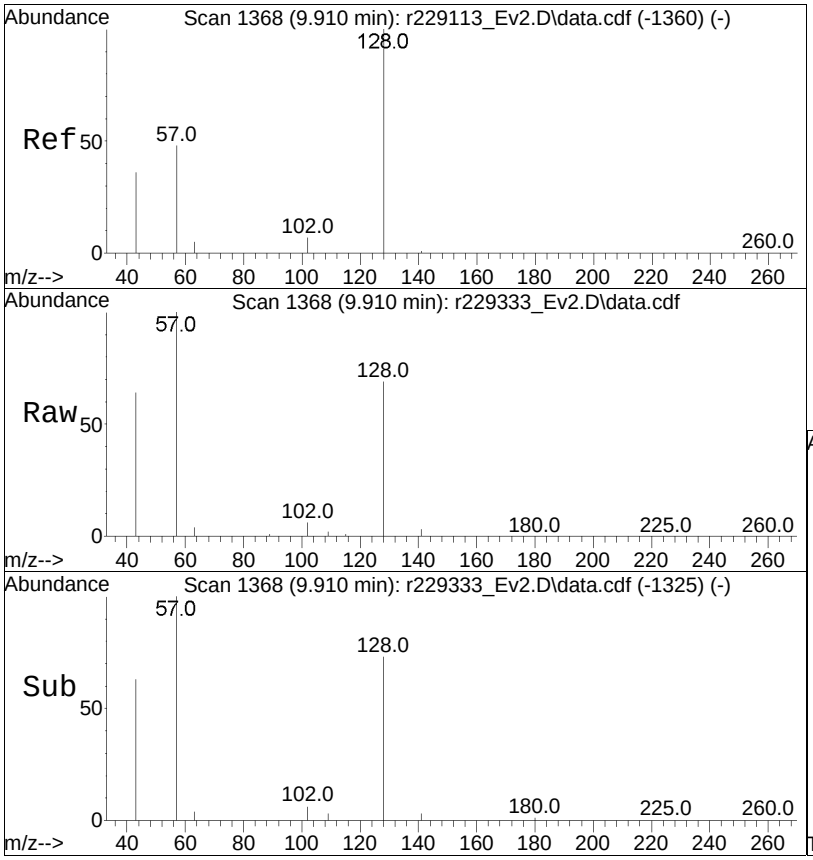


#76
1,4-dichlorobenzene
Concen: 0.01 ppbV
RT: 8.790 min Scan# 1206
Delta R.T. -0.007 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion:146 Resp: 1376

Ion	Ratio	Lower	Upper
146	100		
111	64.8	28.4	42.6#
75	29.5	16.1	24.1#

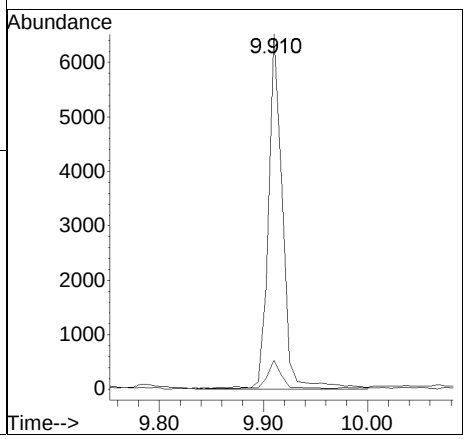




#83
naphthalene
Concen: 0.03 ppbV
RT: 9.910 min Scan# 1368
Delta R.T. 0.000 min
Lab File: r229333_Ev2.D
Acq: 20 Feb 2025 2:15 AM

Tgt Ion:128 Resp: 6170

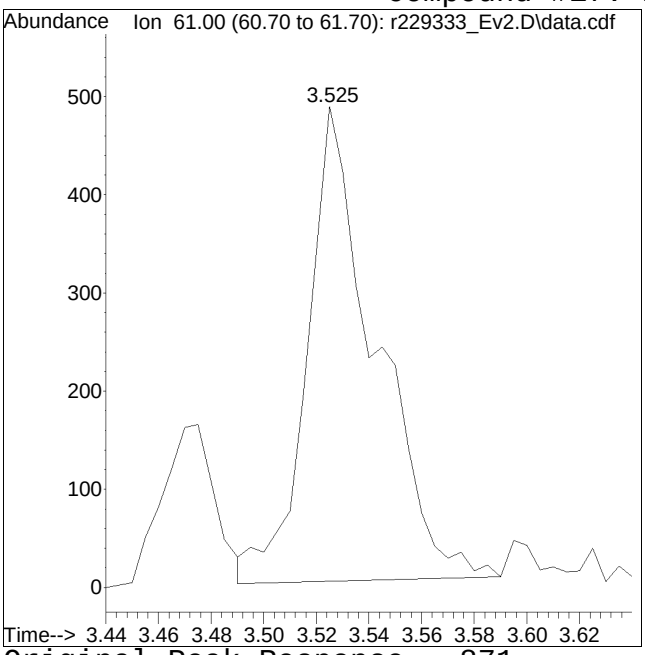
Ion	Ratio	Lower	Upper
128	100		
102	8.2	5.5	8.3



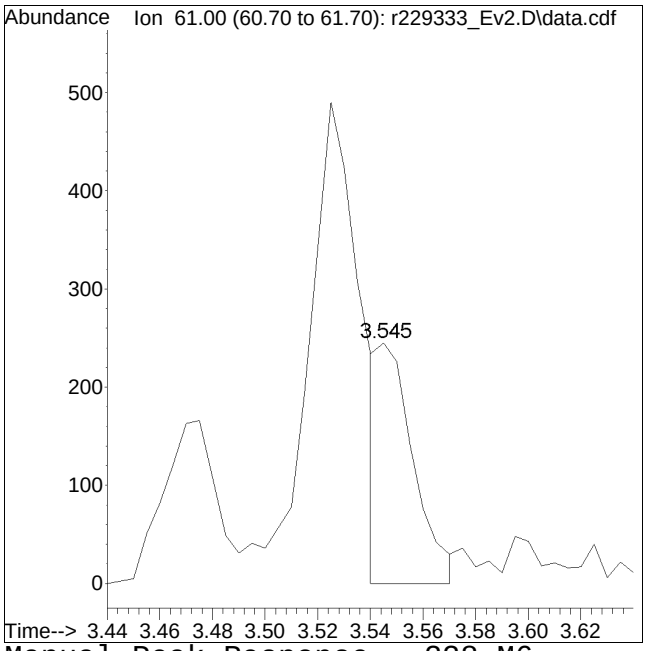
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab22\20QMethod : TSIM22_250206.M
Data File : r229333_Ev2.D Operator : AIRLAB22:TPH
Date Inj'd : 2/20/2025 2:15 AM Instrument :
Sample : L2506387-04,3,250,250 Quant Date : 2/20/2025 7:51 am

Compound #17: 1,1-dichloroethene



Original Peak Response = 871



Manual Peak Response = 228 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229334_Ev2.D
Acq On : 20 Feb 2025 2:46 AM
Operator : AIRLAB22:TPH
Sample : L2506387-06,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 20 07:51:38 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0219SIM\r229324_Ev2.D
Sub List : NYDEC-SIM - .

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	4.570	49	316180	10.000	ppbV		0.00
Standard Area = 316137			Recovery = 100.01%				
33) 1,4-difluorobenzene	5.450	114	1000030	10.000	ppbV		0.00
Standard Area = 1013027			Recovery = 98.72%				
51) chlorobenzene-D5	7.360	54	131029	10.000	ppbV	#	0.00
Standard Area = 123842			Recovery = 105.80%				
System Monitoring Compounds							
Target Compounds							Qvalue
3) dichlorodifluoromethane	2.520	85	24285	0.679	ppbV		100
4) chloromethane	2.595	50	9783	0.477	ppbV		95
5) Freon-114	2.640	85	931	0.023	ppbV		91
6) vinyl chloride	2.690	62	2152	0.096	ppbV		98
8) bromomethane	2.865	94	392	0.021	ppbV		91
9) chloroethane	2.938	64	181	0.015	ppbV	#	70
10) ethanol	2.983	31	442615	34.783	ppbV		93
14) trichlorofluoromethane	3.274	101	8439	0.349	ppbV		98
17) 1,1-dichloroethene	3.550	61	654M6	0.019	ppbV		
18) tertiary butyl alcohol	0.000		0	N.D.	d		
19) methylene chloride	3.605	49	11501	0.403	ppbV		87
22) Freon 113	3.725	101	3323	0.067	ppbV		92
23) trans-1,2-dichloroethene	4.027	61	27573	0.845	ppbV		94
24) 1,1-dichloroethane	4.113		0	N.D.			
25) MTBE	4.160		0	N.D.			
27) 2-butanone	4.303	43	56096	0.976	ppbV	#	95
28) cis-1,2-dichloroethene	4.490	61	127166	3.729	ppbV	#	82
30) chloroform	4.630	83	1476	0.038	ppbV		98
32) 1,2-dichloroethane	4.963	62	4390	0.208	ppbV	#	90
34) hexane	4.590	57	19401	0.511	ppbV	#	5
36) 1,1,1-trichloroethane	5.083	97	5055	0.150	ppbV		94
37) benzene	5.297	78	26728	0.287	ppbV		100
38) carbon tetrachloride	5.363	117	2745	0.106	ppbV	#	98
39) cyclohexane	5.423	56	6463	0.140	ppbV		96
41) 1,2-dichloropropane	5.663		0	N.D.			
42) bromodichloromethane	0.000		0	N.D.	d		
43) 1,4-dioxane	5.830	88	1543	0.074	ppbV		97
44) trichloroethene	5.770	130	325600	7.630	ppbV		98

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229334_Ev2.D
Acq On : 20 Feb 2025 2:46 AM
Operator : AIRLAB22:TPH
Sample : L2506387-06,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 20 07:51:38 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0219SIM\r229324_Ev2.D
Sub List : NYDEC-SIM - .

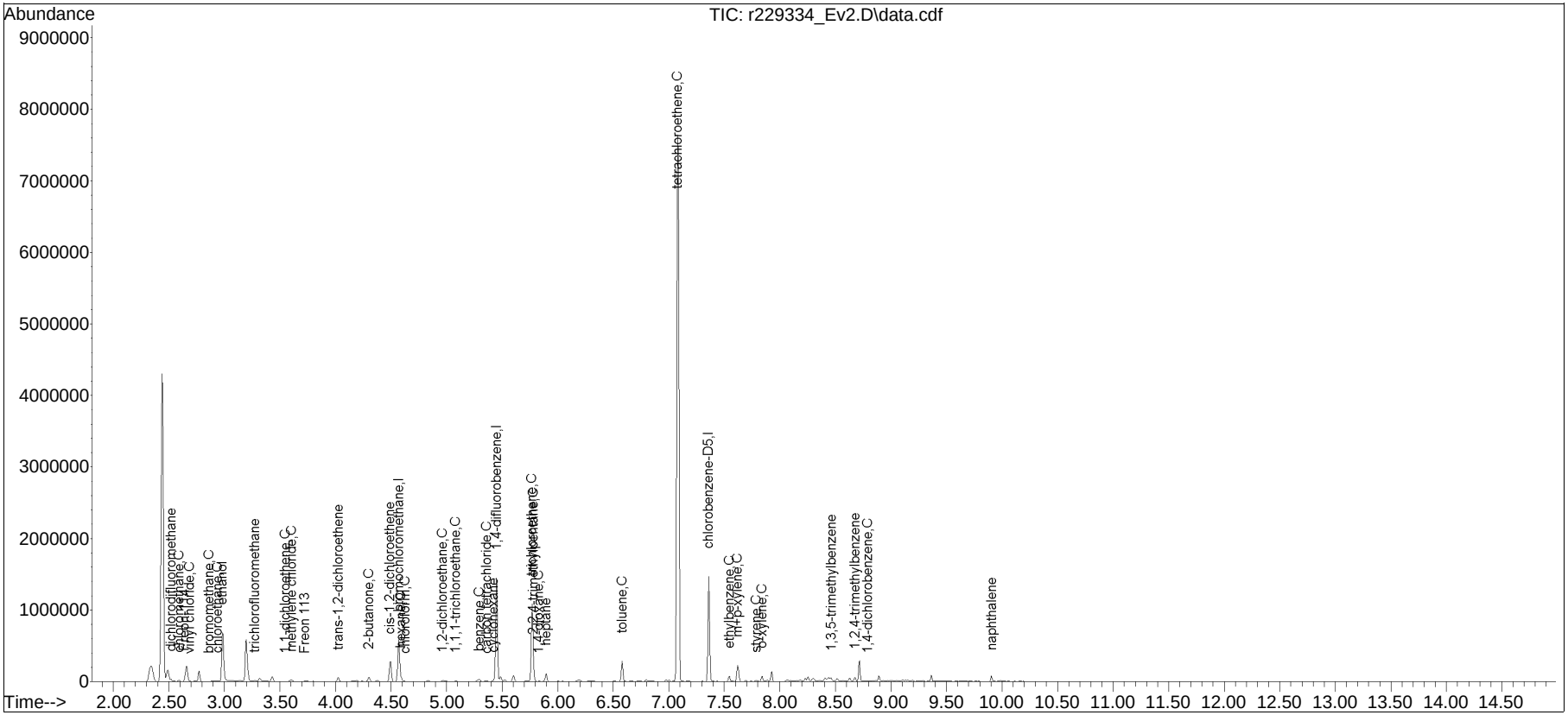
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 2,2,4-trimethylpentane	5.783	57	42162	0.345	ppbV #	86
46) heptane	5.897	43	47608	0.866	ppbV	92
47) cis-1,3-dichloropropene	0.000		0	N.D.		
48) 4-methyl-2-pentanone	0.000		0	N.D.	d	
49) trans-1,3-dichloropropene	0.000		0	N.D.		
50) 1,1,2-trichloroethane	6.493		0	N.D.		
52) toluene	6.580	91	153534	1.112	ppbV	98
55) dibromochloromethane	6.767		0	N.D.		
56) 1,2-dibromoethane	0.000		0	N.D.		
57) tetrachloroethene	7.080	166	3817307	57.344	ppbV	97
59) chlorobenzene	7.387		0	N.D.		
60) ethylbenzene	7.547	91	49784	0.296	ppbV	97
61) m+p-xylene	7.620	91	129312	0.977	ppbV	90
62) bromoform	7.667		0	N.D.		
63) styrene	7.787	104	4470	0.036	ppbV #	89
64) 1,1,2,2-tetrachloroethane	7.740		0	N.D.		
65) o-xylene	7.840	91	35556	0.268	ppbV	93
71) 1,3,5-trimethylbenzene	8.467	105	7490	0.047	ppbV #	98
73) 1,2,4-trimethylbenzene	8.677	105	25230	0.160	ppbV #	62
74) Benzyl Chloride	8.643		0	N.D.		
75) 1,3-dichlorobenzene	8.757		0	N.D.		
76) 1,4-dichlorobenzene	8.790	146	1921	0.016	ppbV #	50
79) 1,2-dichlorobenzene	8.970		0	N.D.		
82) 1,2,4-trichlorobenzene	9.857		0	N.D.		
83) naphthalene	9.910	128	7147	0.029	ppbV #	95
85) hexachlorobutadiene	10.090		0	N.D.		

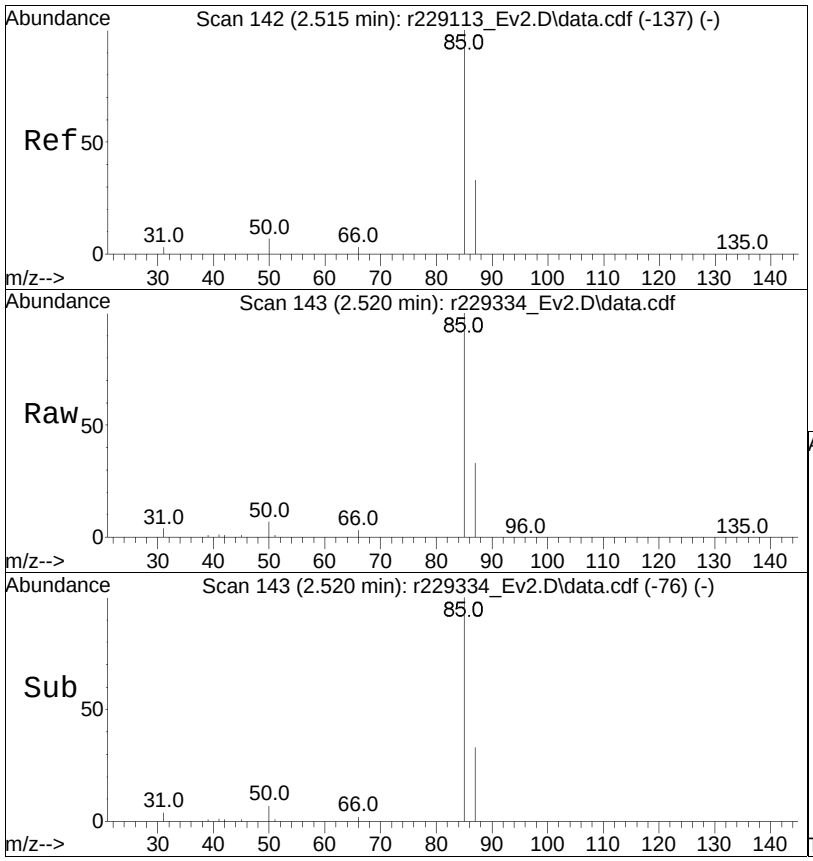
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : NYDEC-SIM - .a\Airlab22\2025\02\0219SIM\r229324_Ev2.D

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229334_Ev2.D
Acq On : 20 Feb 2025 2:46 AM
Operator : AIRLAB22:TPH
Sample : L2506387-06,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 20 07:51:38 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

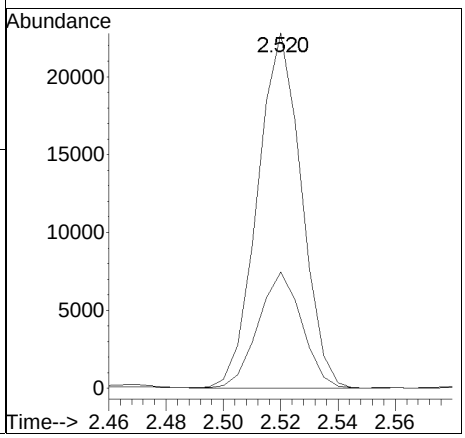


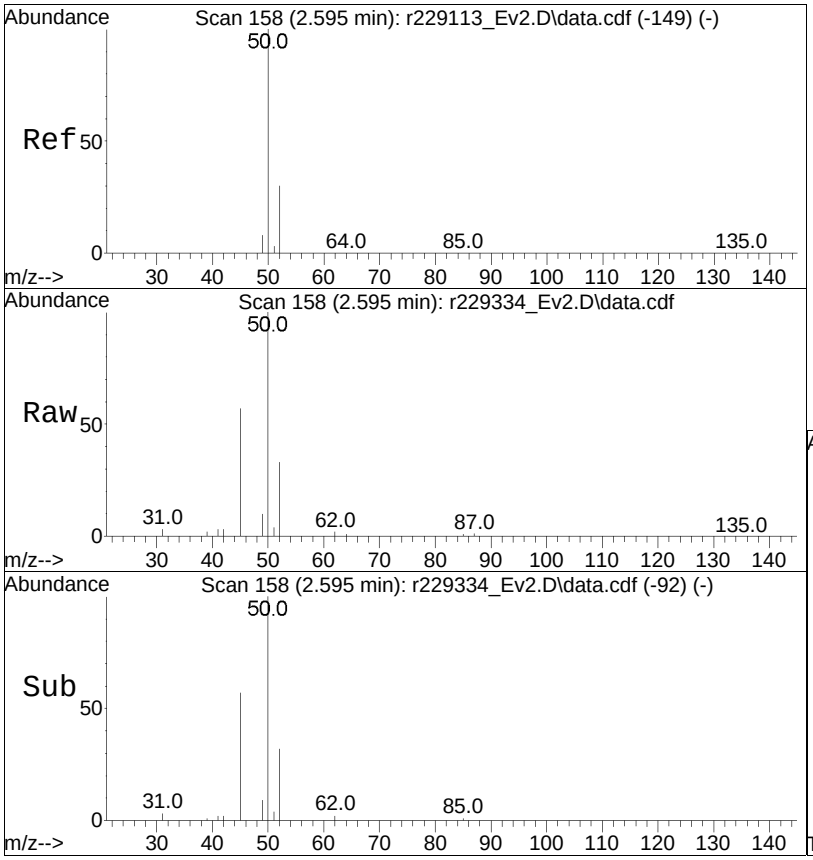


#3
dichlorodifluoromethane
Concen: 0.68 ppbV
RT: 2.520 min Scan# 143
Delta R.T. 0.005 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion: 85 Resp: 24285

Ion	Ratio	Lower	Upper
85	100		
87	32.7	26.2	39.2

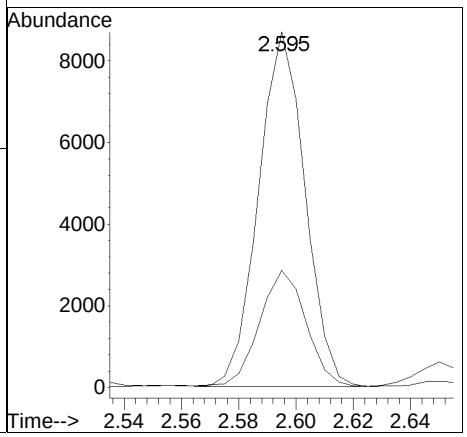


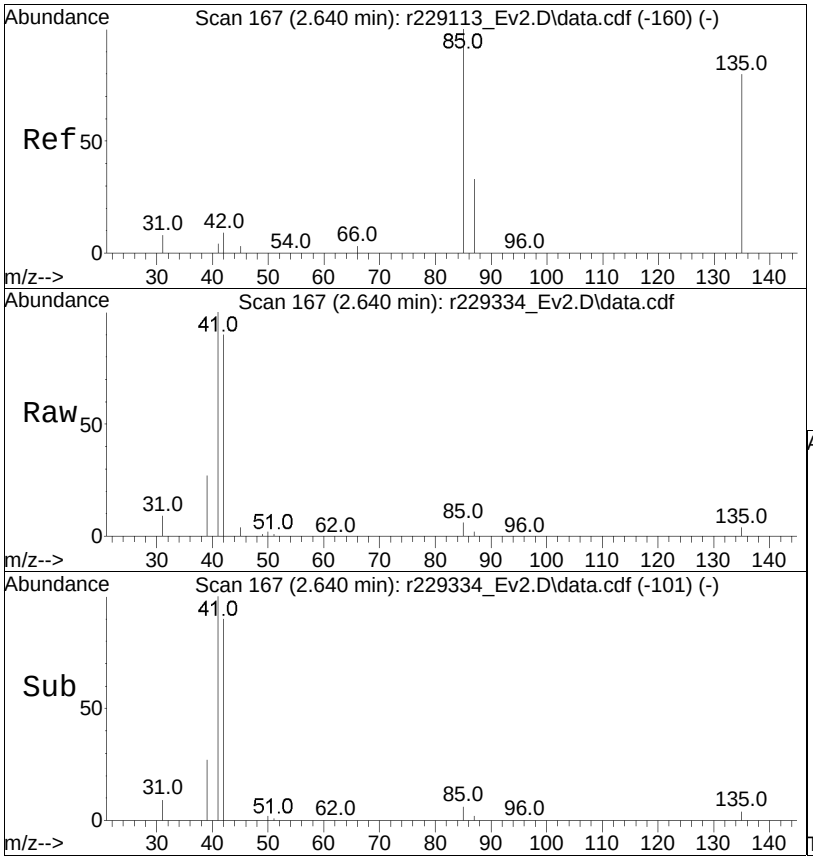


#4
chloromethane
Concen: 0.48 ppbV
RT: 2.595 min Scan# 158
Delta R.T. 0.000 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion: 50 Resp: 9783

Ion	Ratio	Lower	Upper
50	100		
52	32.9	24.3	36.5

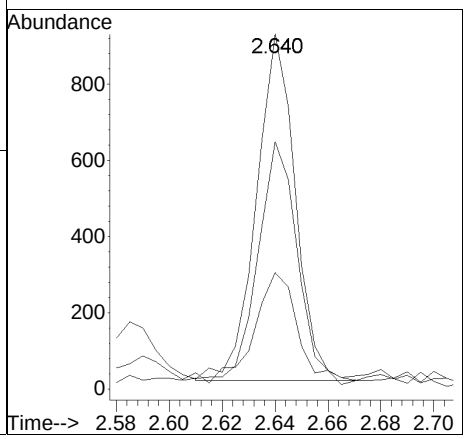


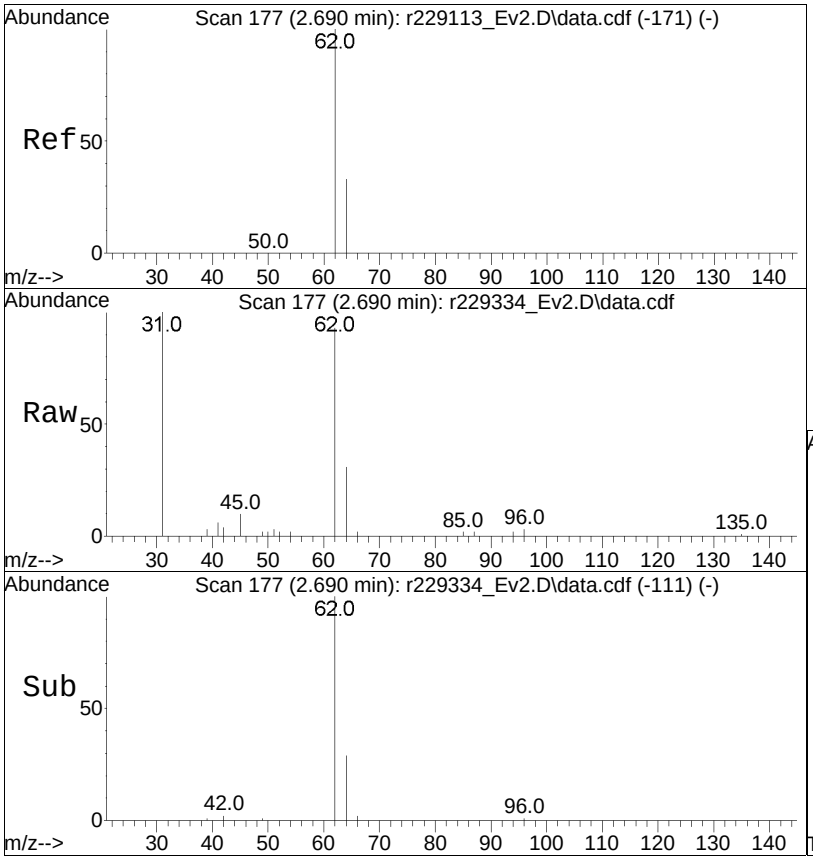


#5
Freon-114
Concen: 0.02 ppbV
RT: 2.640 min Scan# 167
Delta R.T. 0.000 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion: 85 Resp: 931

Ion	Ratio	Lower	Upper
85	100		
87	32.9	26.0	39.0
135	69.7	64.2	96.2

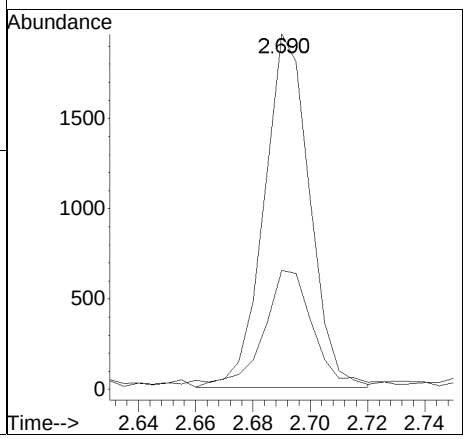


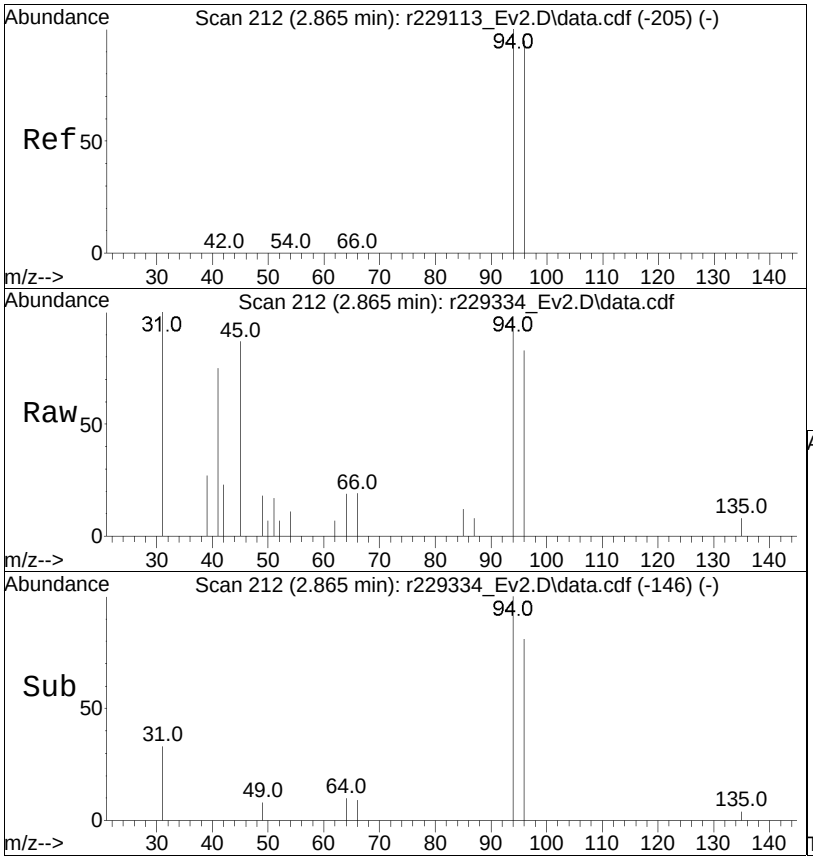


#6
vinyl chloride
Concen: 0.10 ppbV
RT: 2.690 min Scan# 177
Delta R.T. 0.000 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion: 62 Resp: 2152

Ion	Ratio	Lower	Upper
62	100		
64	33.5	26.0	39.0

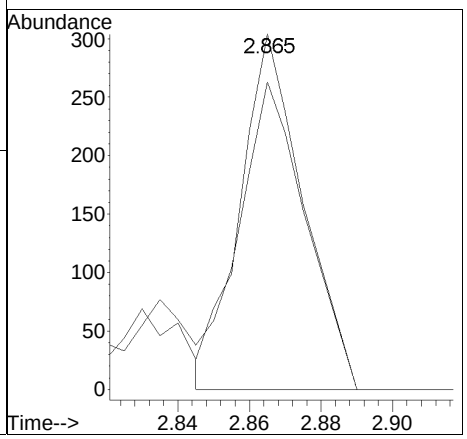


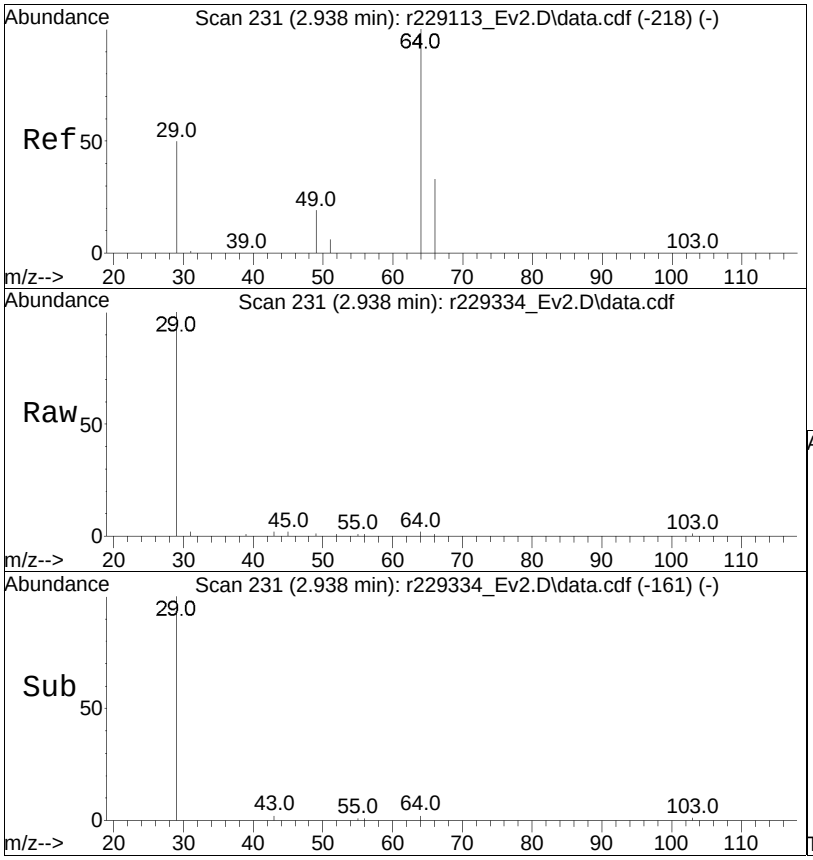


#8
bromomethane
Concen: 0.02 ppbV
RT: 2.865 min Scan# 212
Delta R.T. 0.000 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion: 94 Resp: 392

Ion	Ratio	Lower	Upper
94	100		
96	86.5	76.2	114.4

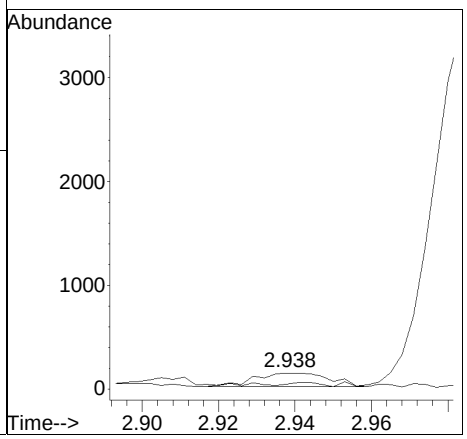


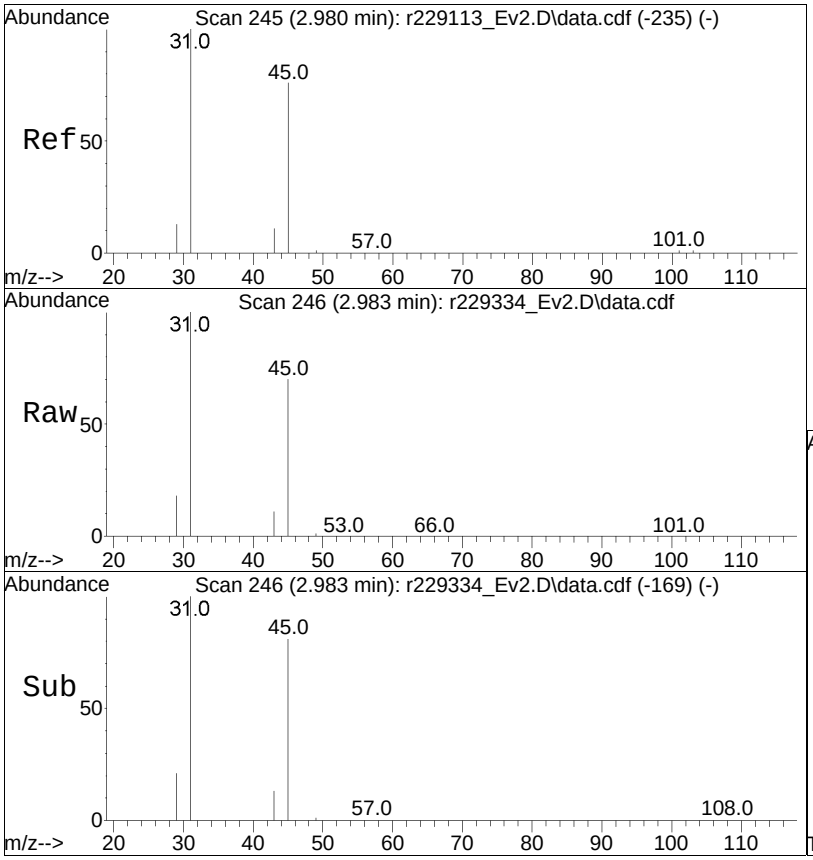


#9
chloroethane
Concen: 0.02 ppbV
RT: 2.938 min Scan# 231
Delta R.T. 0.000 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion: 64 Resp: 181

Ion	Ratio	Lower	Upper
64	100		
49	32.3	15.0	22.4#

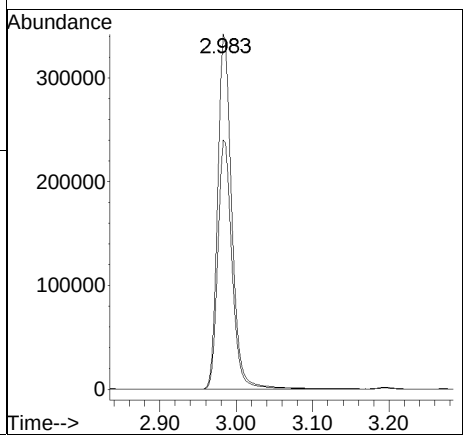


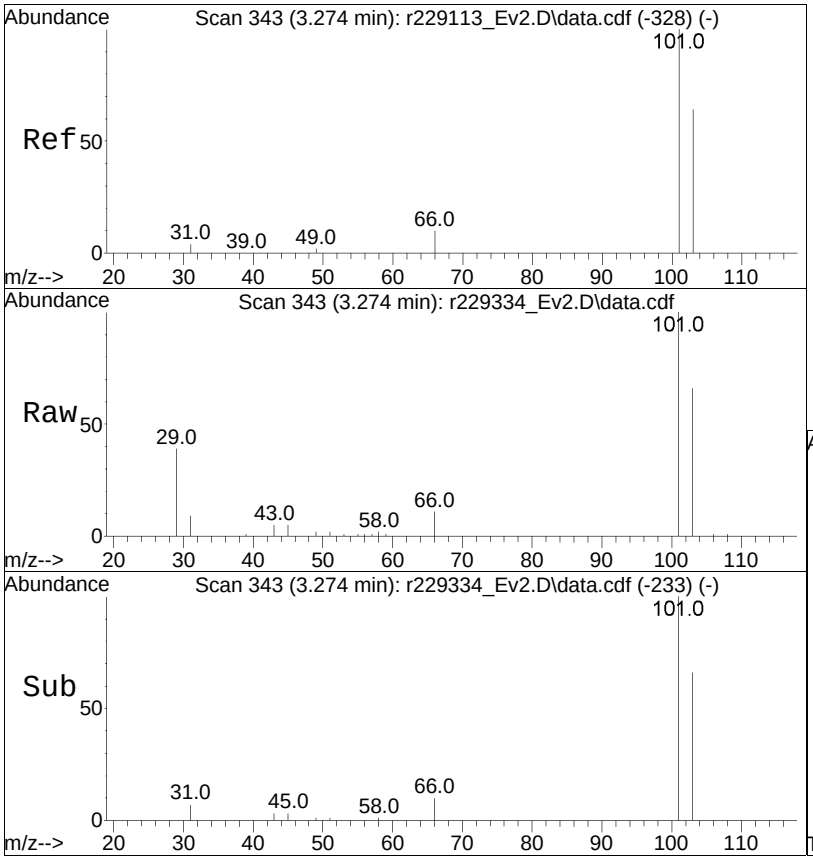


#10
ethanol
Concen: 34.78 ppbV
RT: 2.983 min Scan# 246
Delta R.T. 0.003 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion: 31 Resp: 442615

Ion	Ratio	Lower	Upper
31	100		
45	70.2	60.7	91.1

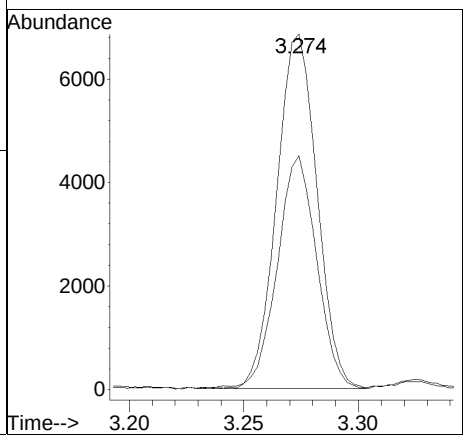


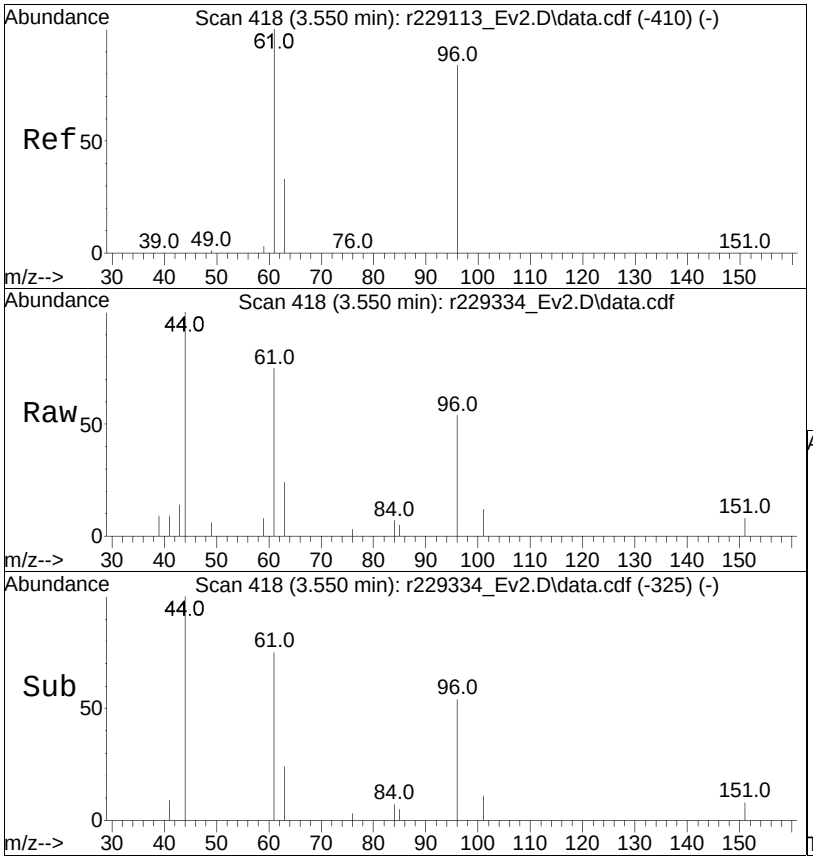


#14
trichlorofluoromethane
Concen: 0.35 ppbV
RT: 3.274 min Scan# 343
Delta R.T. 0.000 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion:101 Resp: 8439

Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.5	77.3

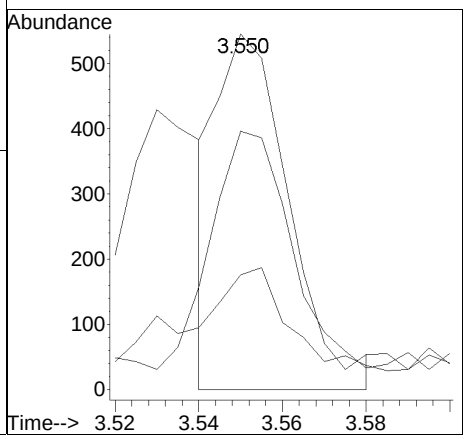


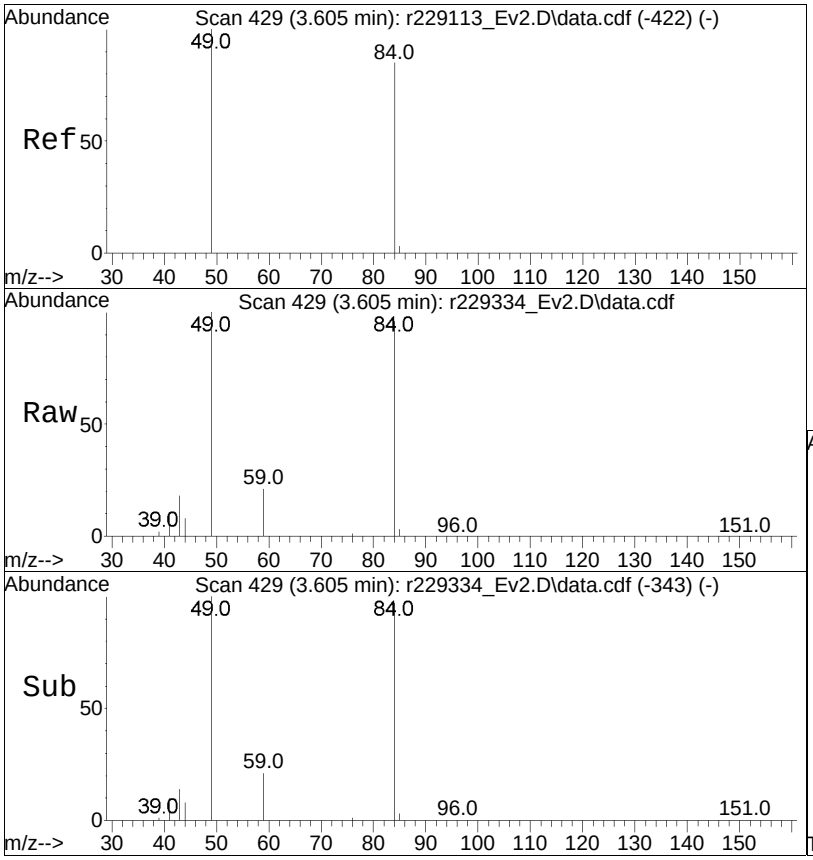


#17
1,1-dichloroethene
Concen: 0.02 ppbV m
RT: 3.550 min Scan# 418
Delta R.T. 0.000 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion: 61 Resp: 654

Ion	Ratio	Lower	Upper
61	100		
96	72.7	66.9	100.3
63	32.3	26.1	39.1

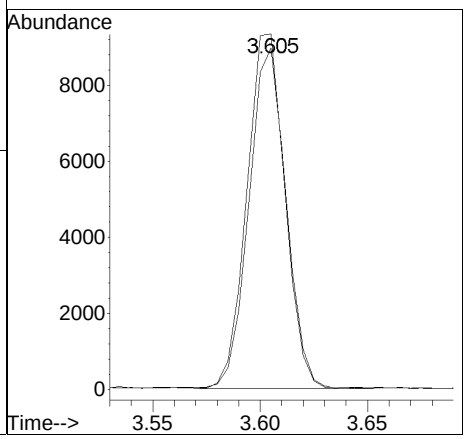


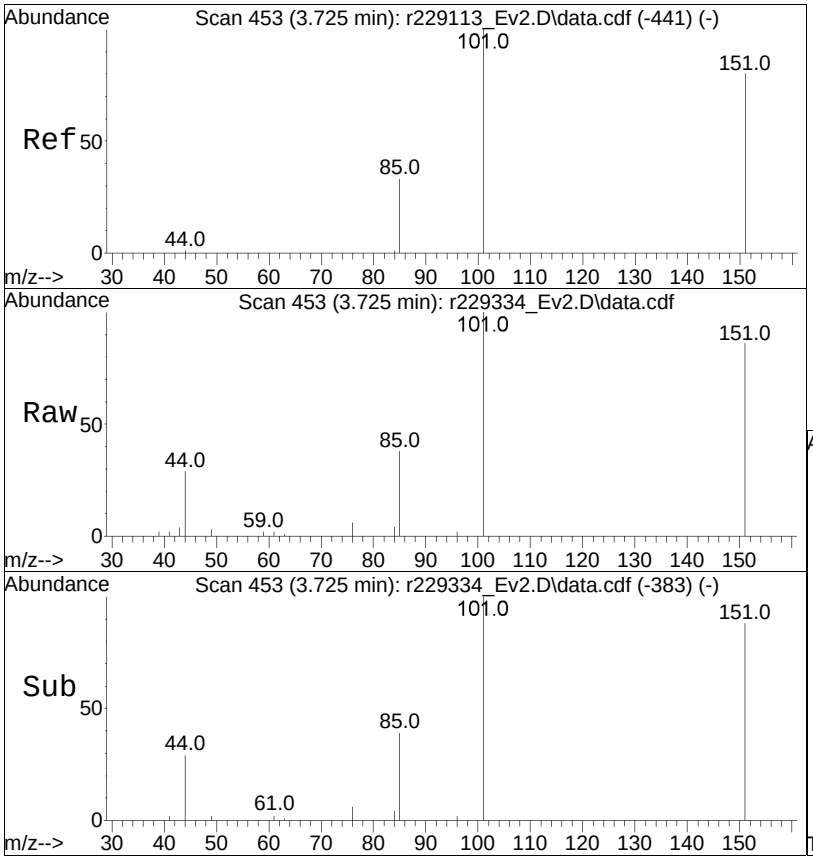


#19
methylene chloride
Concen: 0.40 ppbV
RT: 3.605 min Scan# 429
Delta R.T. 0.000 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion: 49 Resp: 11501

Ion	Ratio	Lower	Upper
49	100		
84	96.1	67.6	101.4

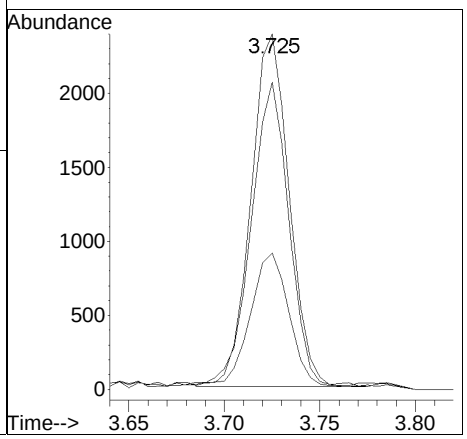


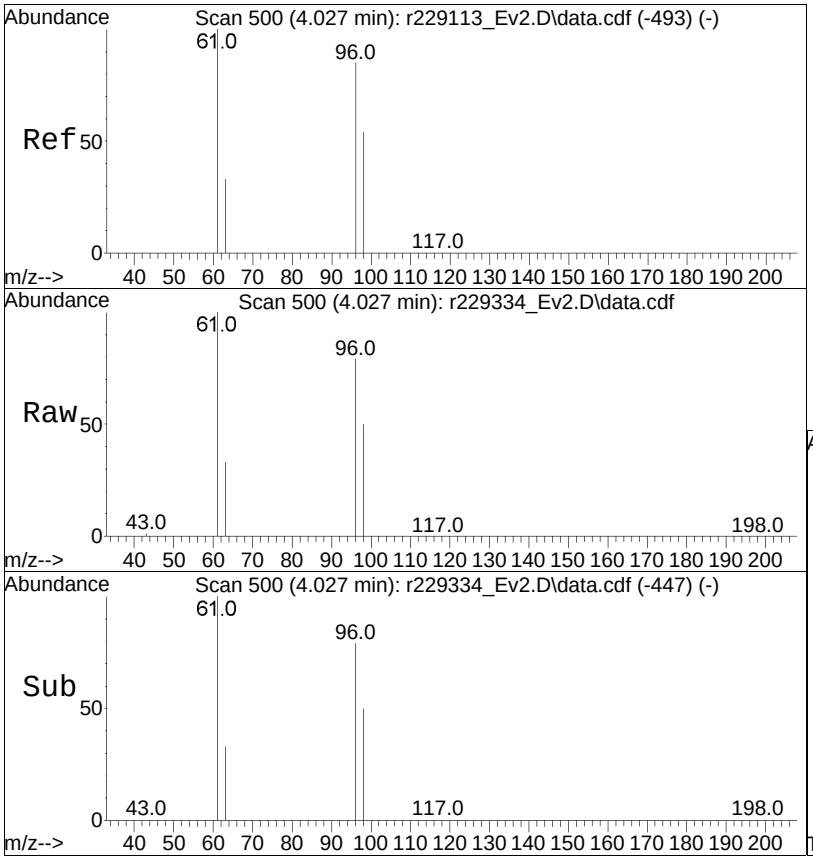


#22
Freon 113
Concen: 0.07 ppbV
RT: 3.725 min Scan# 453
Delta R.T. 0.000 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion:101 Resp: 3323

Ion	Ratio	Lower	Upper
101	100		
85	38.4	26.1	39.1
151	86.5	64.0	96.0

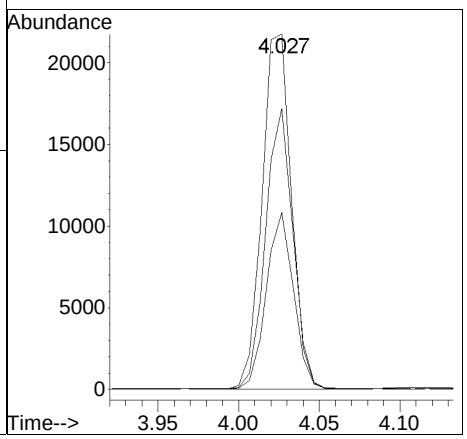


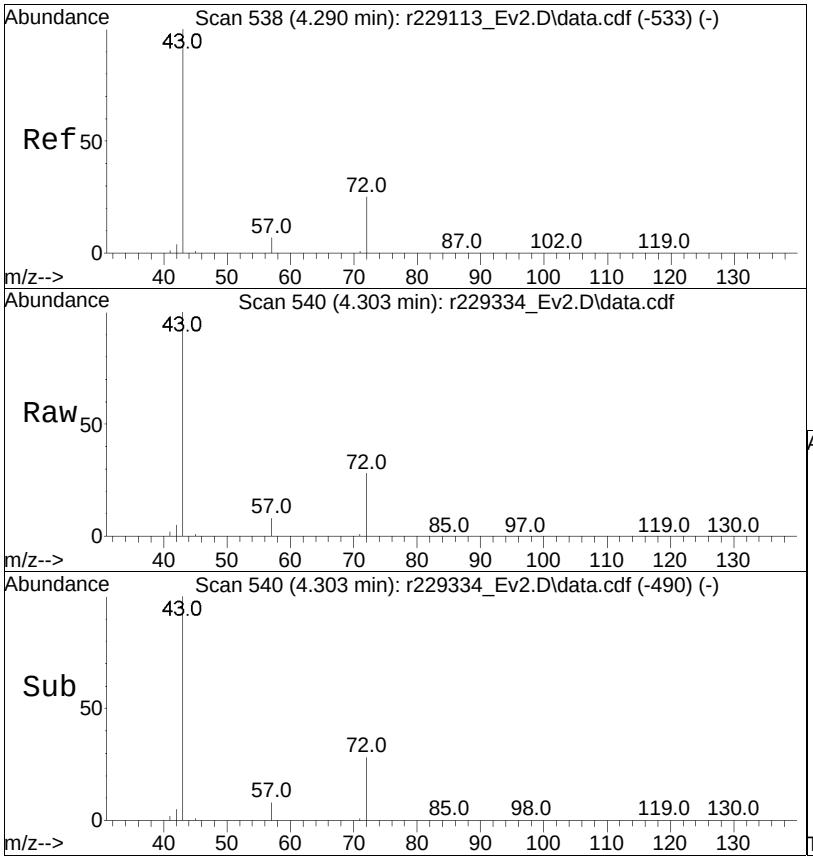


#23
trans-1,2-dichloroethene
Concen: 0.85 ppbV
RT: 4.027 min Scan# 500
Delta R.T. 0.000 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion: 61 Resp: 27573

Ion	Ratio	Lower	Upper
61	100		
96	79.0	68.3	102.5
98	49.8	43.0	64.4

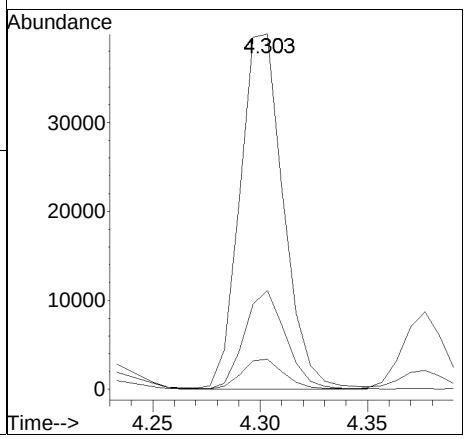


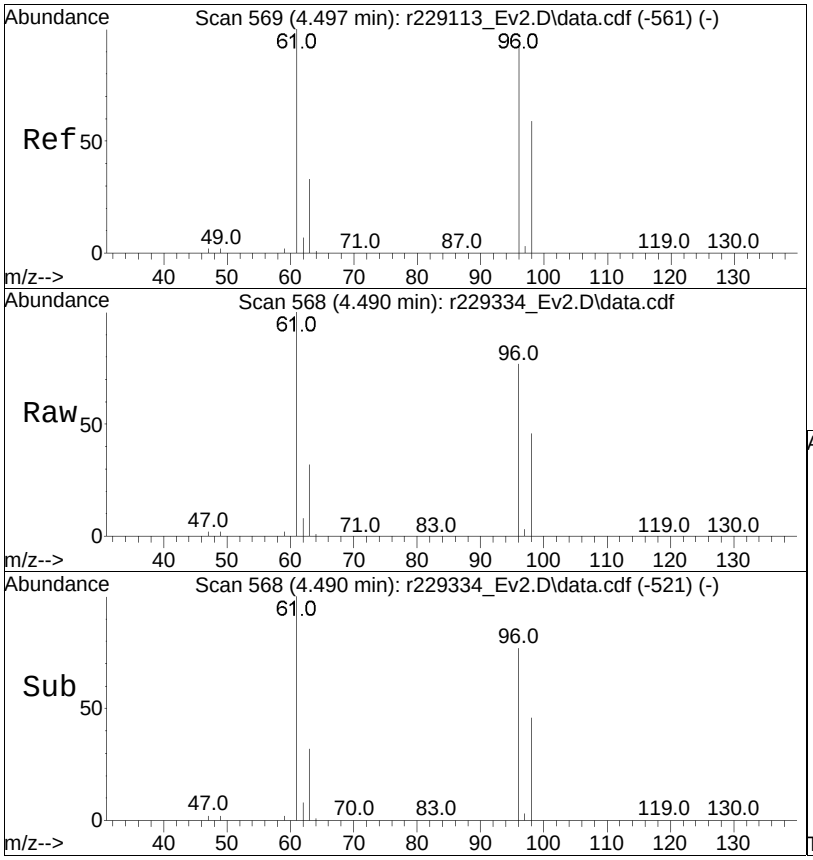


#27
2-butanone
Concen: 0.98 ppbV
RT: 4.303 min Scan# 540
Delta R.T. 0.013 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion: 43 Resp: 56096

Ion	Ratio	Lower	Upper
43	100		
72	27.8	20.2	30.4
57	8.5	5.4	8.0#

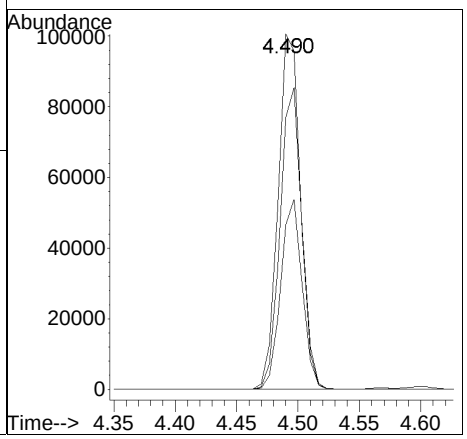


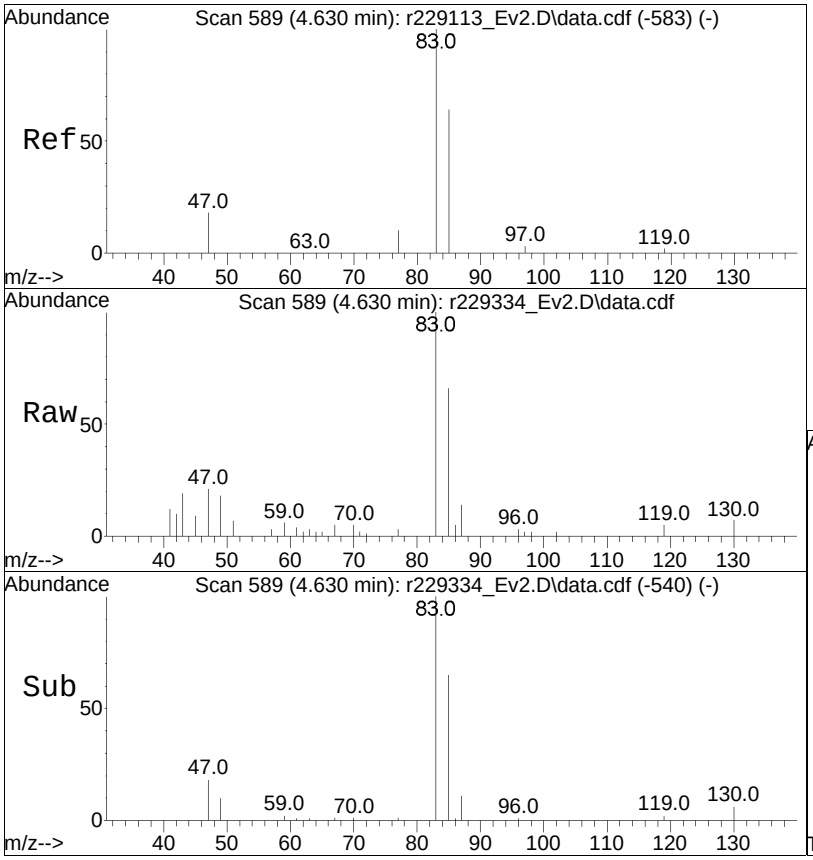


#28
cis-1,2-dichloroethene
Concen: 3.73 ppbV
RT: 4.490 min Scan# 568
Delta R.T. -0.007 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion: 61 Resp: 127166

Ion	Ratio	Lower	Upper
61	100		
96	76.6	75.9	113.9
98	46.4	47.6	71.4#

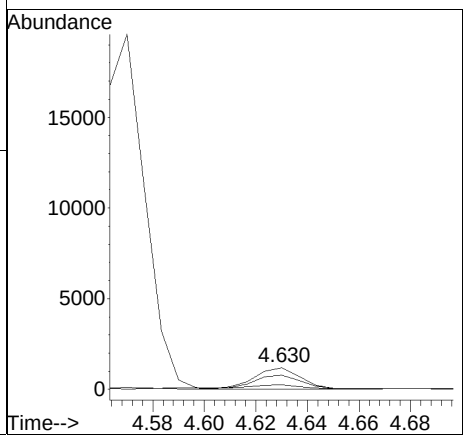


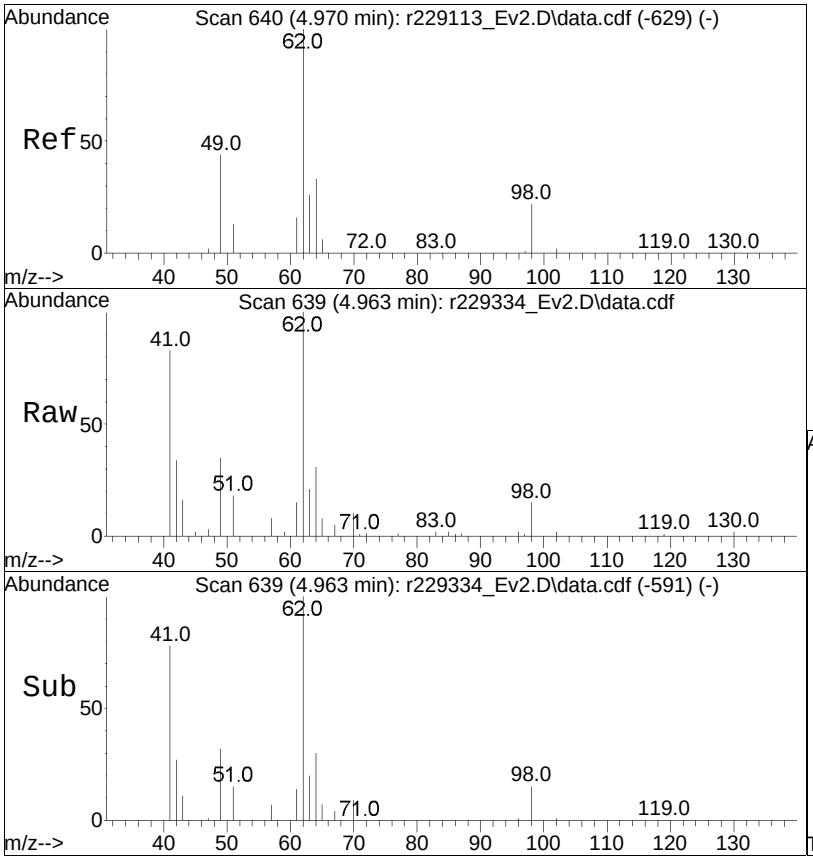


#30
chloroform
Concen: 0.04 ppbV
RT: 4.630 min Scan# 589
Delta R.T. 0.000 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion: 83 Resp: 1476

Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.8	77.6
47	21.4	16.1	24.1

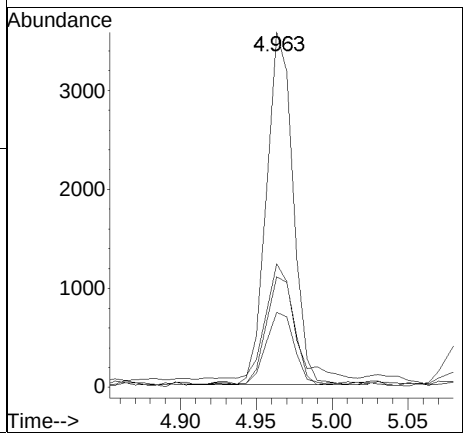


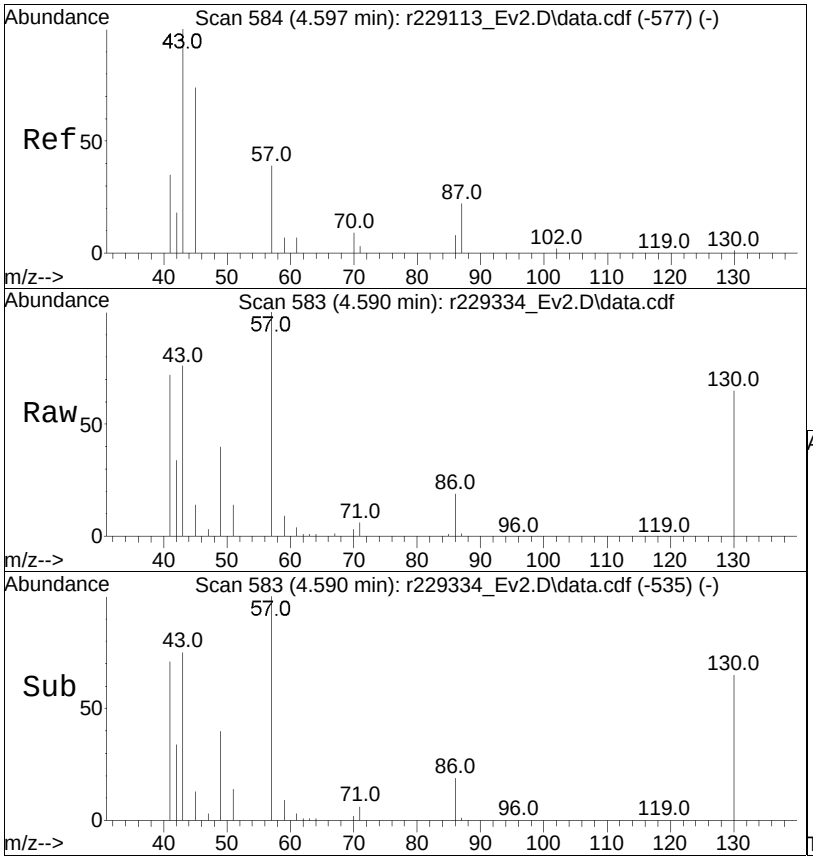


#32
1,2-dichloroethane
Concen: 0.21 ppbV
RT: 4.963 min Scan# 639
Delta R.T. -0.007 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion: 62 Resp: 4390

Ion	Ratio	Lower	Upper
62	100		
64	31.1	26.8	40.2
49	34.8	35.7	53.5#
63	21.1	21.0	31.6

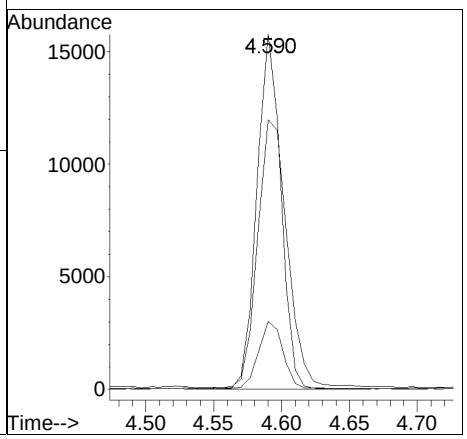


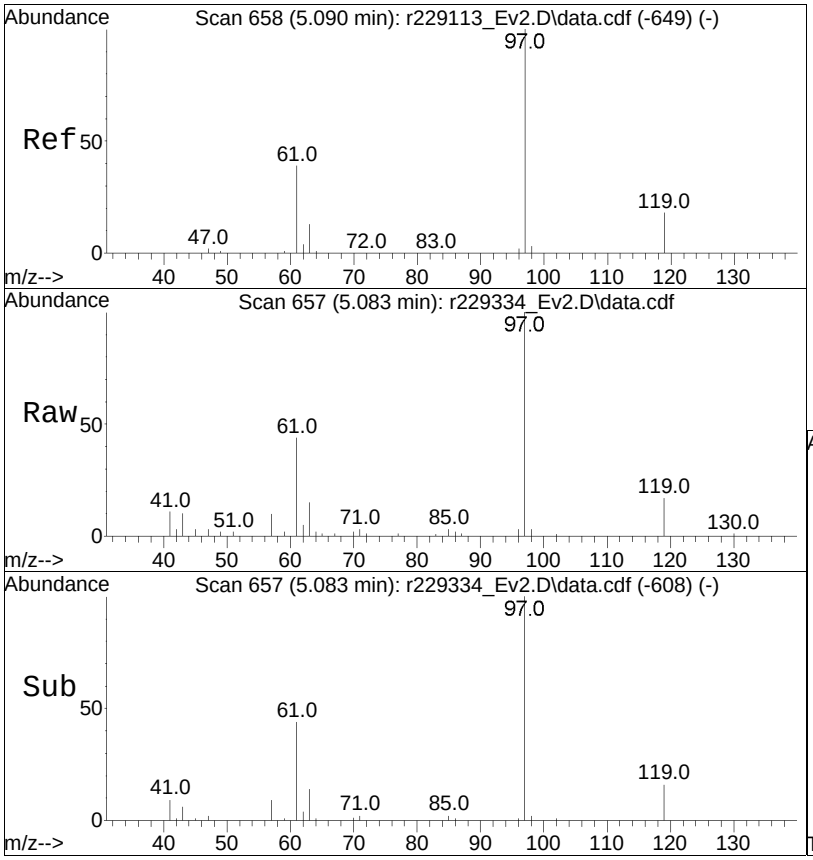


#34
hexane
Concen: 0.51 ppbV
RT: 4.590 min Scan# 583
Delta R.T. -0.007 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion: 57 Resp: 19401

Ion	Ratio	Lower	Upper
57	100		
43	75.9	207.8	311.8#
86	19.1	17.5	26.3

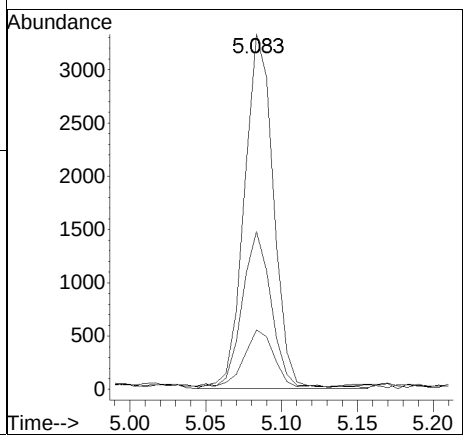


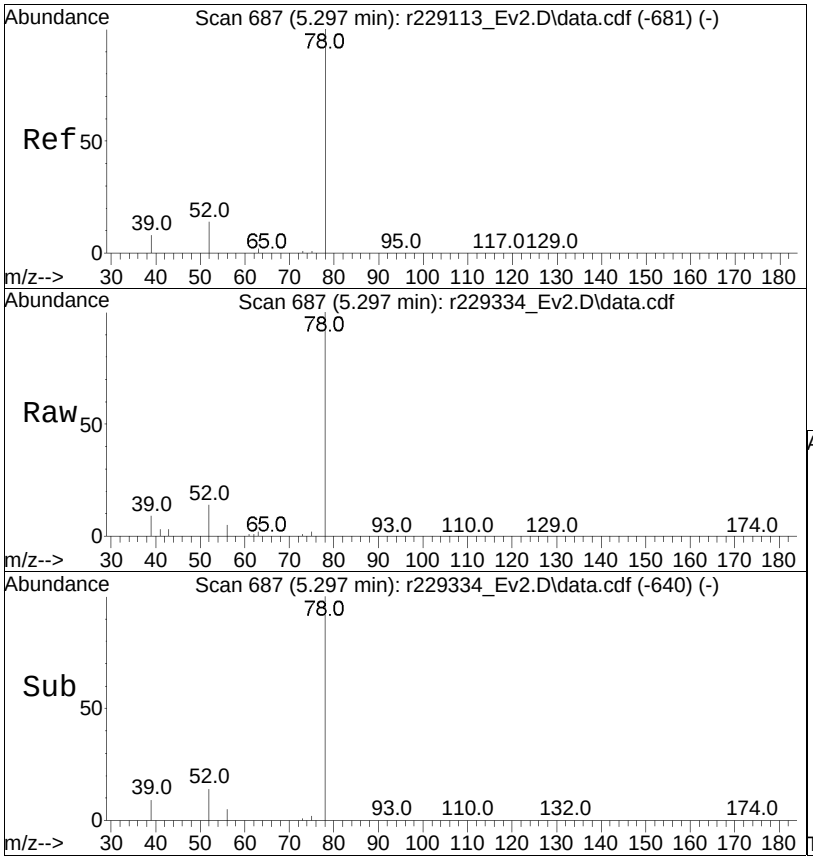


#36
1,1,1-trichloroethane
Concen: 0.15 ppbV
RT: 5.083 min Scan# 657
Delta R.T. -0.007 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion: 97 Resp: 5055

Ion	Ratio	Lower	Upper
97	100		
61	44.5	31.5	47.3
119	16.7	14.2	21.4

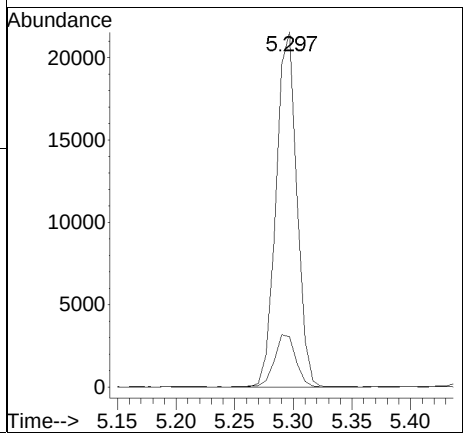


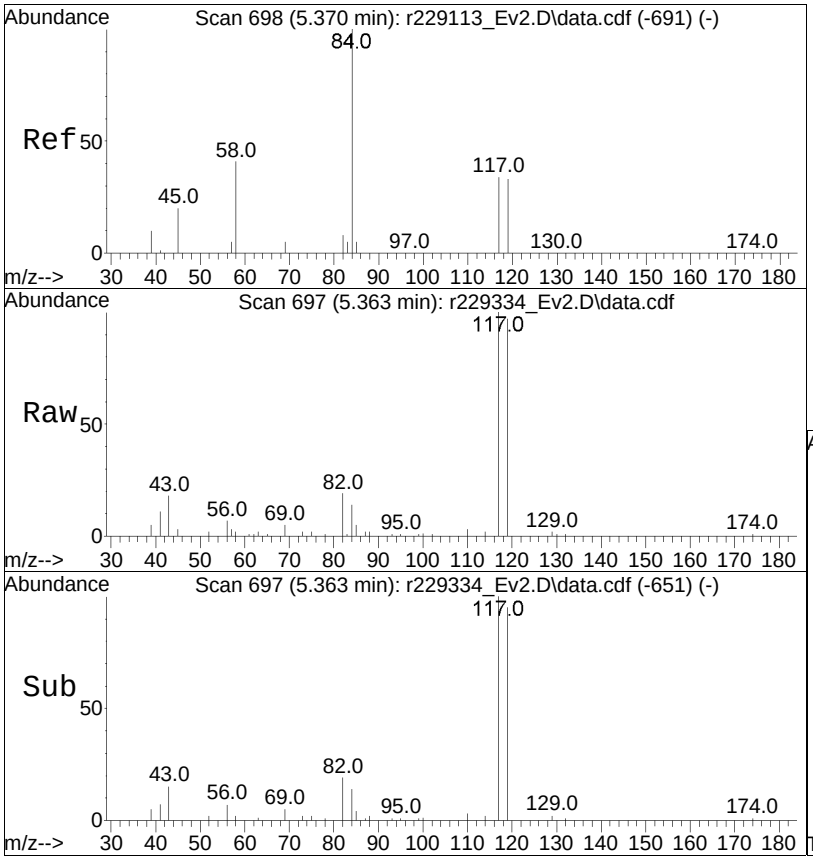


#37
benzene
Concen: 0.29 ppbV
RT: 5.297 min Scan# 687
Delta R.T. 0.000 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion: 78 Resp: 26728

Ion	Ratio	Lower	Upper
78	100		
52	14.3	11.3	16.9

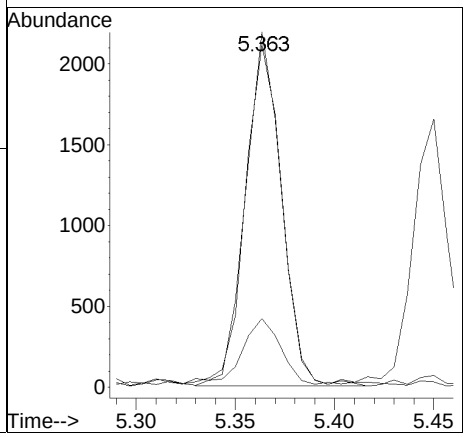


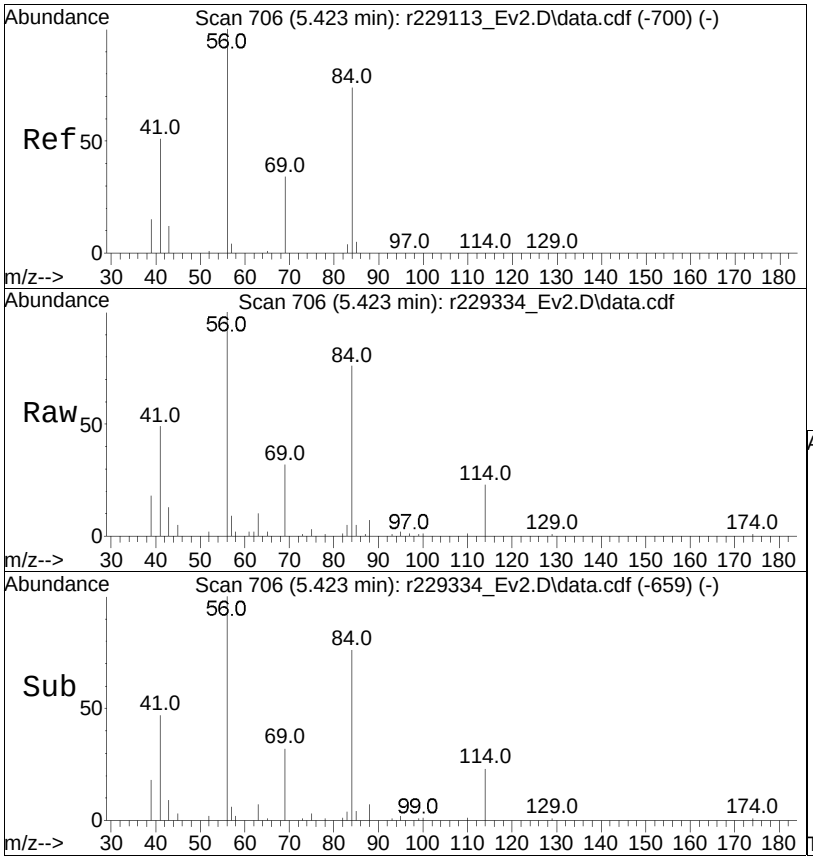


#38
carbon tetrachloride
Concen: 0.11 ppbV
RT: 5.363 min Scan# 697
Delta R.T. -0.007 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion:117 Resp: 2745

Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.7	116.5
82	19.4	19.5	29.3#

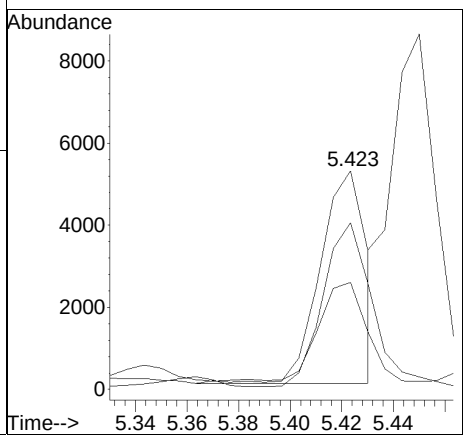


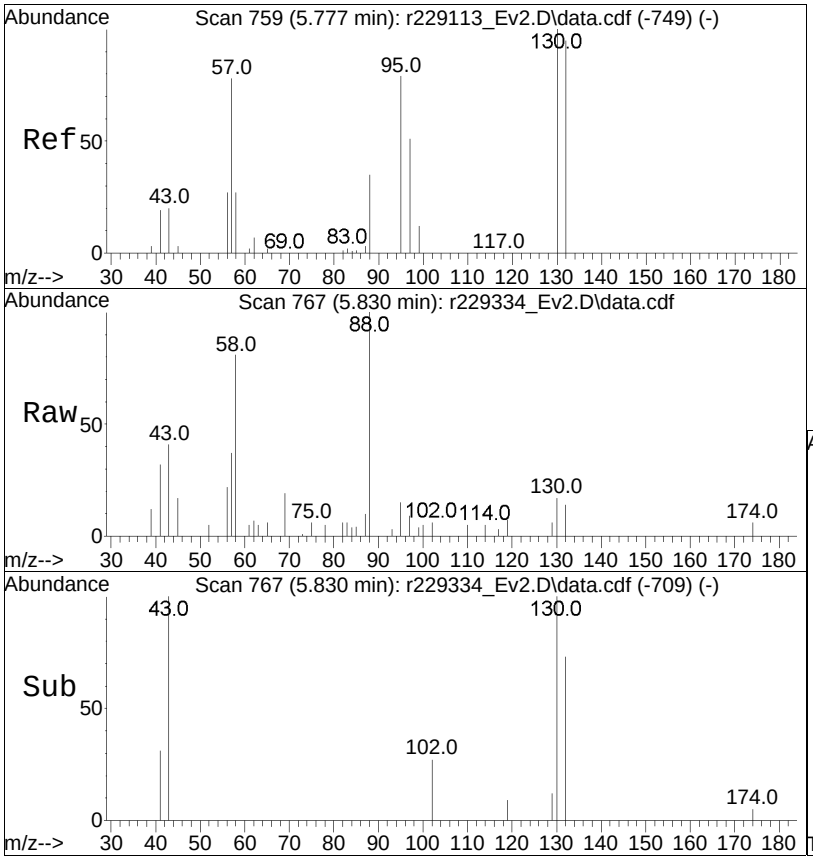


#39
cyclohexane
Concen: 0.14 ppbV
RT: 5.423 min Scan# 706
Delta R.T. 0.000 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion: 56 Resp: 6463

Ion	Ratio	Lower	Upper
56	100		
84	76.3	64.6	96.8
41	49.0	41.3	61.9

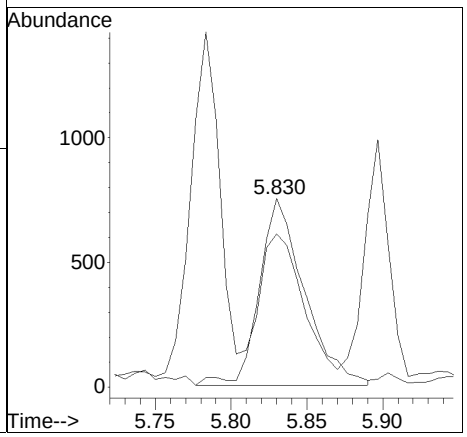


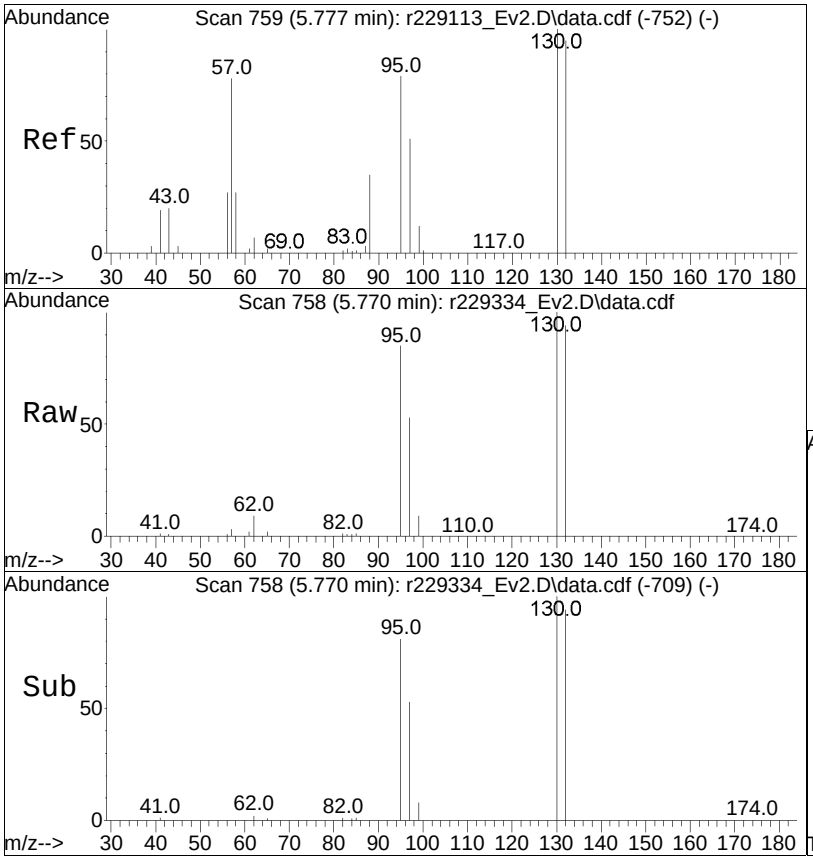


#43
1,4-dioxane
Concen: 0.07 ppbV
RT: 5.830 min Scan# 767
Delta R.T. 0.053 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion: 88 Resp: 1543

Ion	Ratio	Lower	Upper
88	100		
58	81.3	63.0	94.6

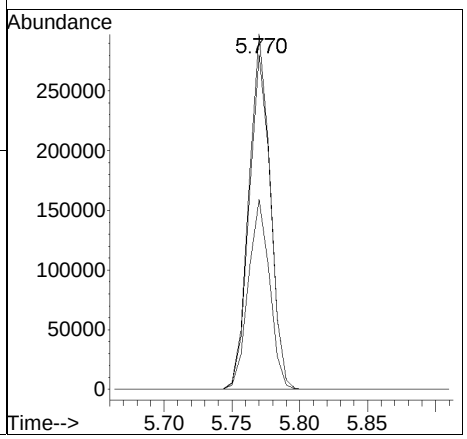


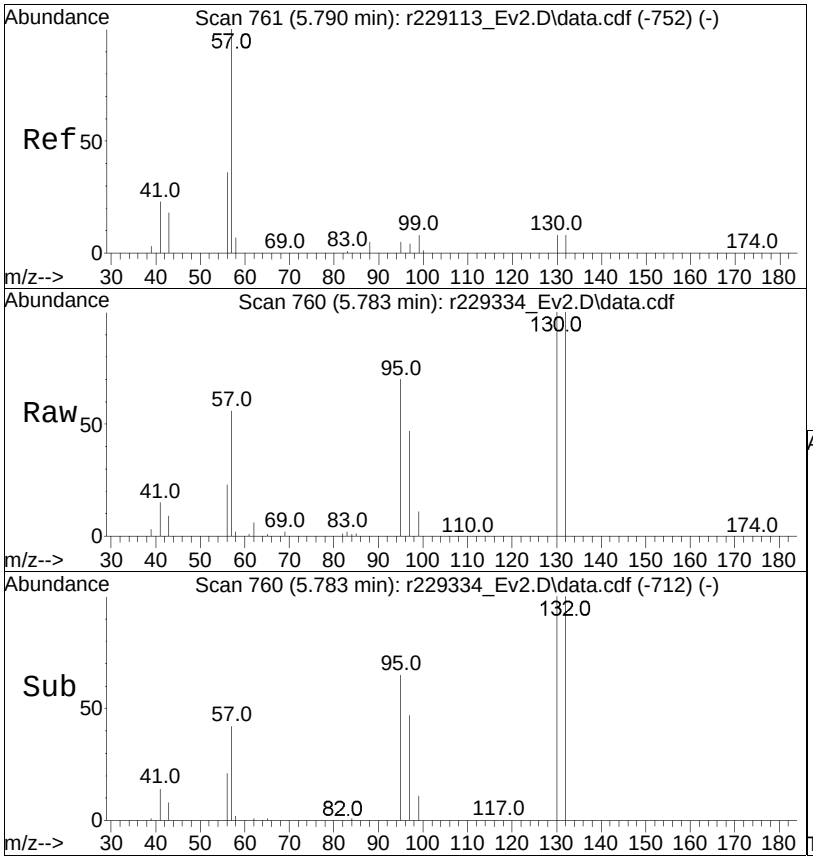


#44
trichloroethene
Concen: 7.63 ppbV
RT: 5.770 min Scan# 758
Delta R.T. -0.007 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion:130 Resp: 325600

Ion	Ratio	Lower	Upper
130	100		
132	94.2	76.1	114.1
97	53.5	40.7	61.1

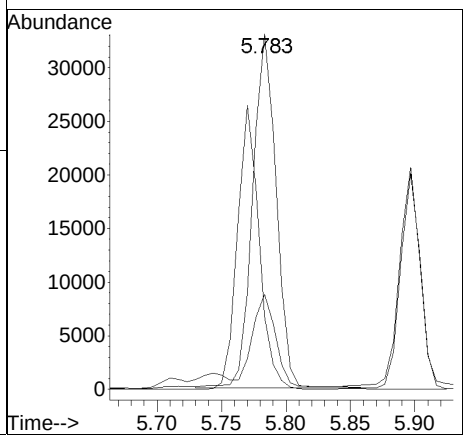


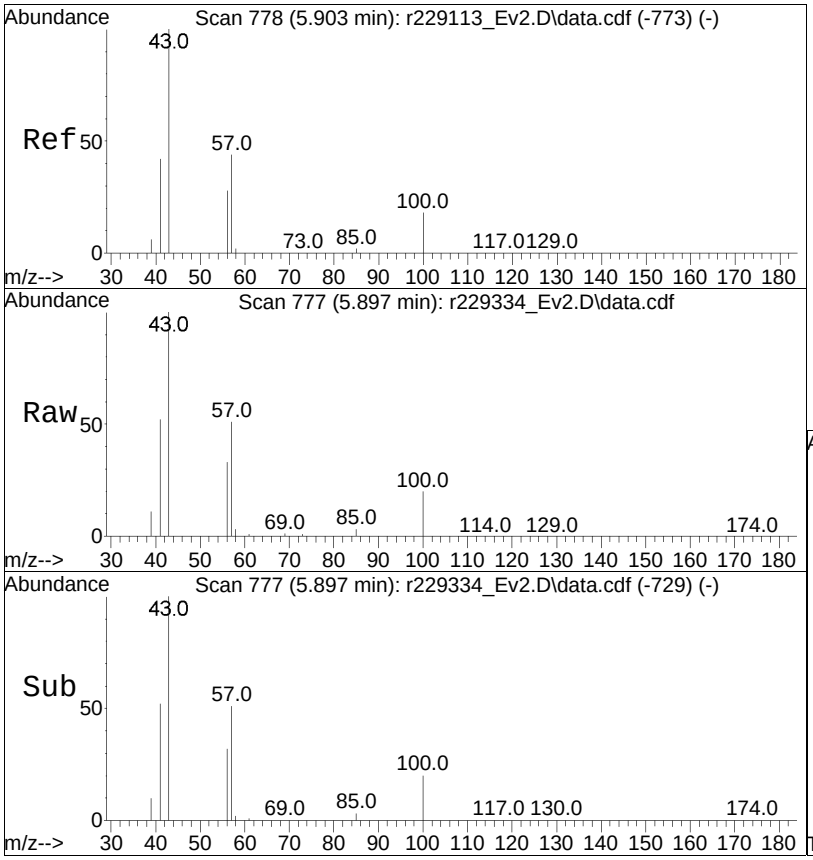


#45
2,2,4-trimethylpentane
Concen: 0.35 ppbV
RT: 5.783 min Scan# 760
Delta R.T. -0.007 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion: 57 Resp: 42162

Ion	Ratio	Lower	Upper
57	100		
99	20.5	6.0	9.0#
41	26.8	18.6	28.0

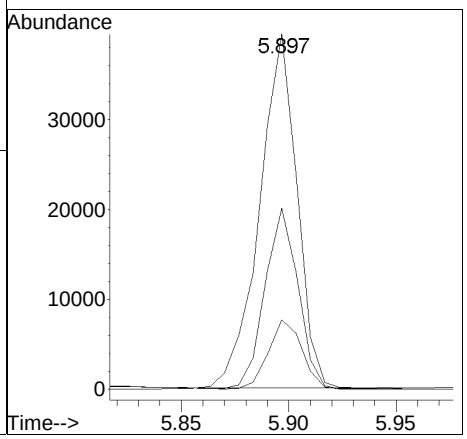


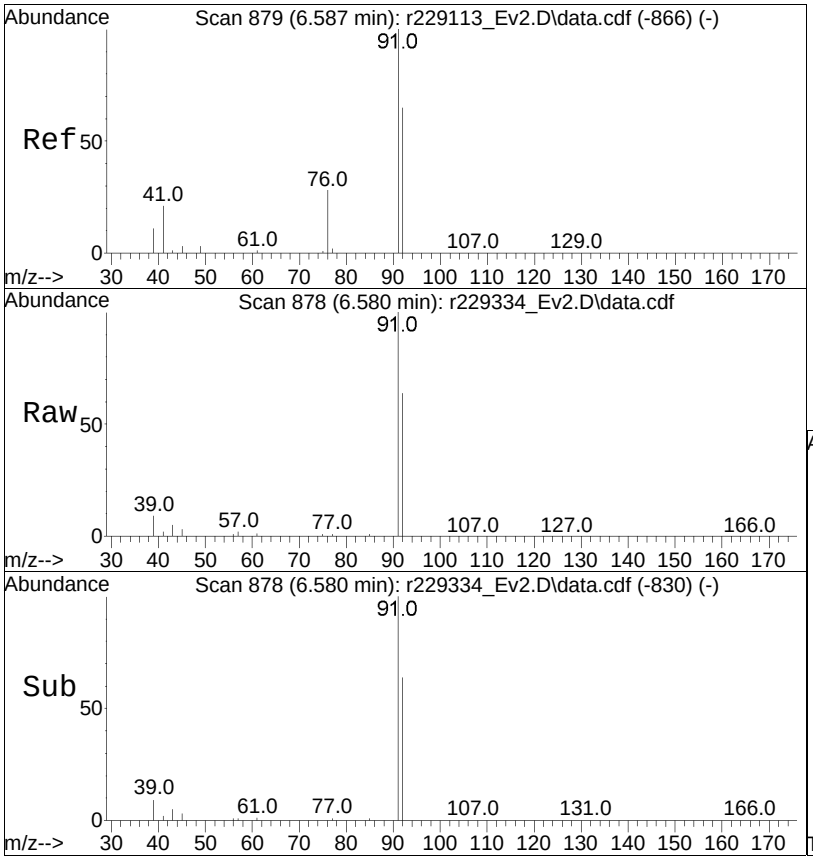


#46
heptane
Concen: 0.87 ppbV
RT: 5.897 min Scan# 777
Delta R.T. -0.007 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion: 43 Resp: 47608

Ion	Ratio	Lower	Upper
43	100		
57	50.9	35.6	53.4
100	19.6	16.6	24.8

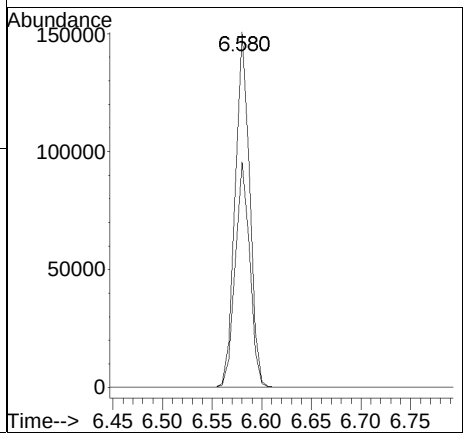


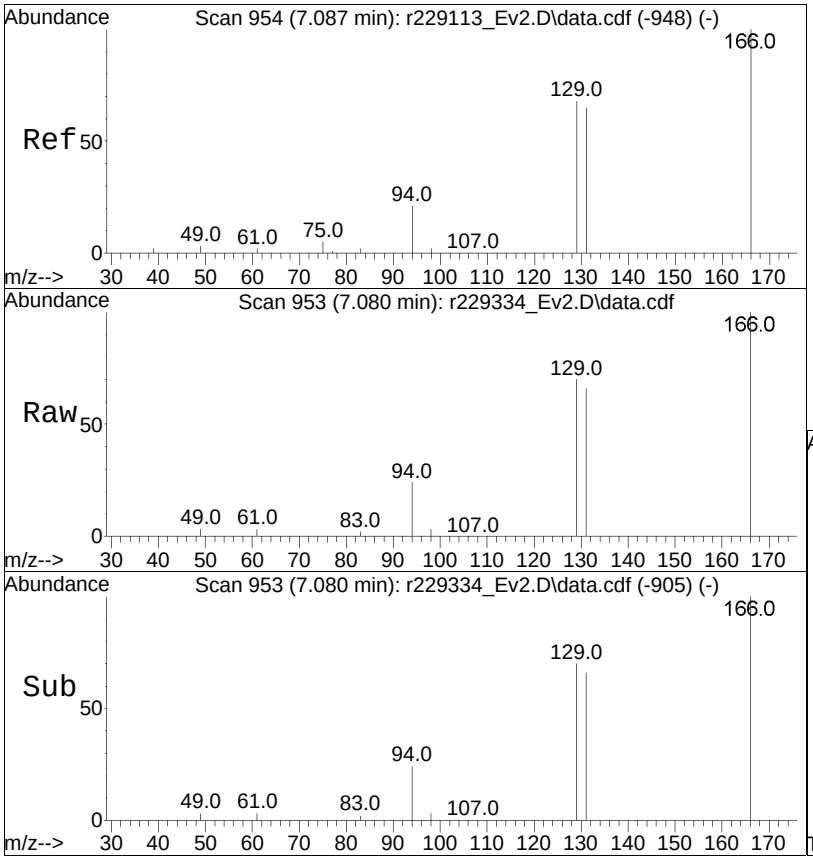


#52
toluene
Concen: 1.11 ppbV
RT: 6.580 min Scan# 878
Delta R.T. -0.007 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion: 91 Resp: 153534

Ion	Ratio	Lower	Upper
91	100		
92	63.5	52.2	78.2

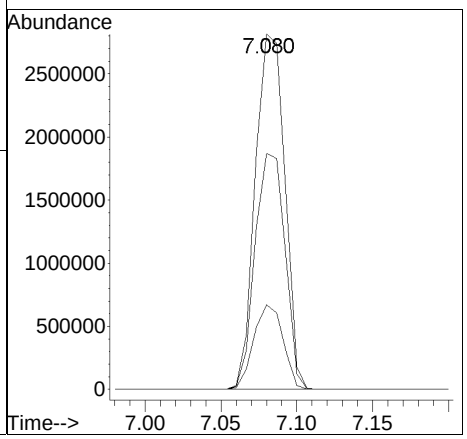


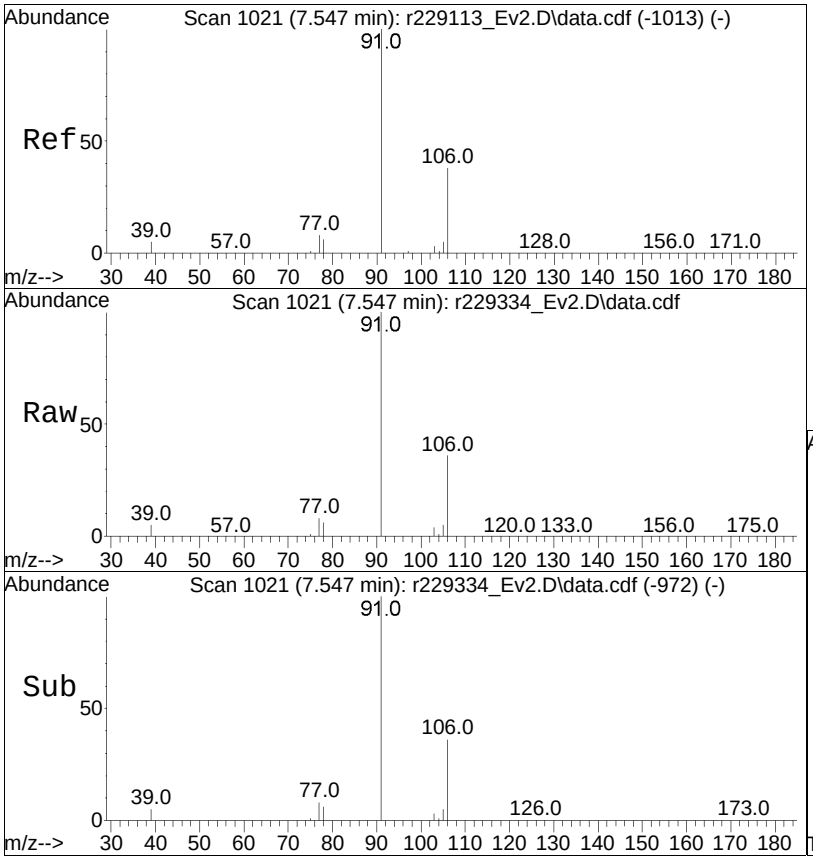


#57
tetrachloroethene
Concen: 57.34 ppbV
RT: 7.080 min Scan# 953
Delta R.T. -0.007 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion:166 Resp: 3817307

Ion	Ratio	Lower	Upper
166	100		
131	66.4	51.9	77.9
94	23.8	16.6	24.8

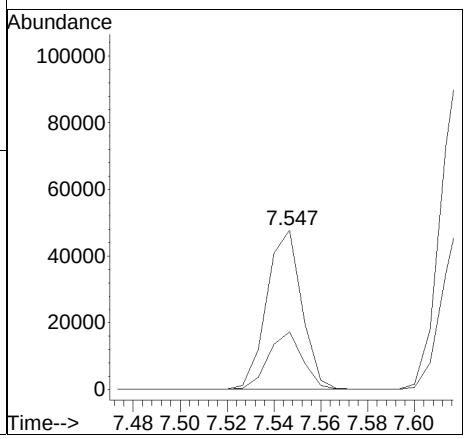


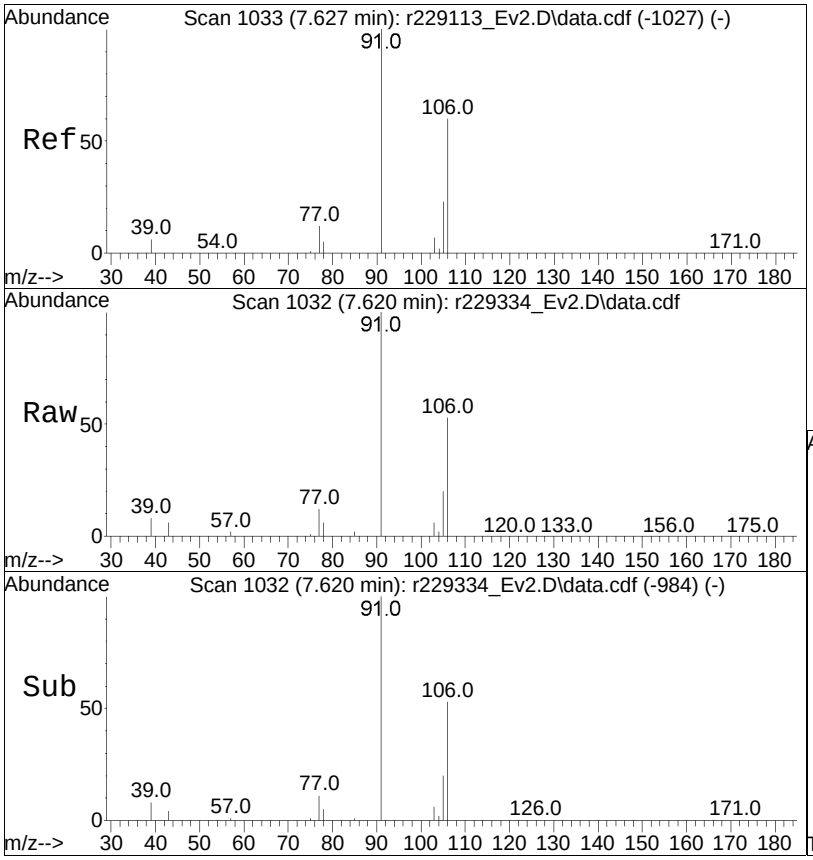


#60
ethylbenzene
Concen: 0.30 ppbV
RT: 7.547 min Scan# 1021
Delta R.T. 0.000 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion: 91 Resp: 49784

Ion	Ratio	Lower	Upper
91	100		
106	36.1	30.4	45.6

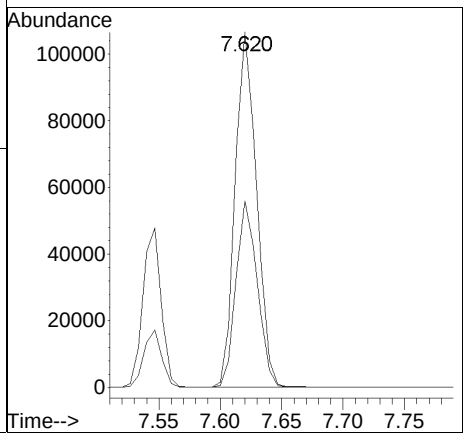


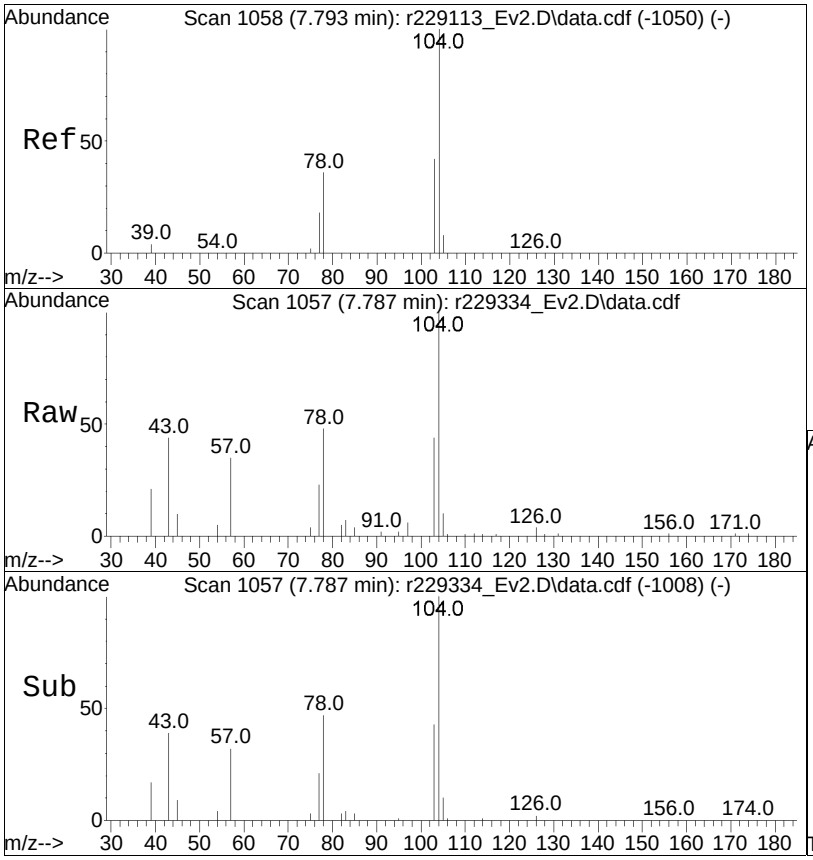


#61
m+p-xylene
Concen: 0.98 ppbV
RT: 7.620 min Scan# 1032
Delta R.T. -0.007 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion: 91 Resp: 129312

Ion	Ratio	Lower	Upper
91	100		
106	52.5	48.2	72.2

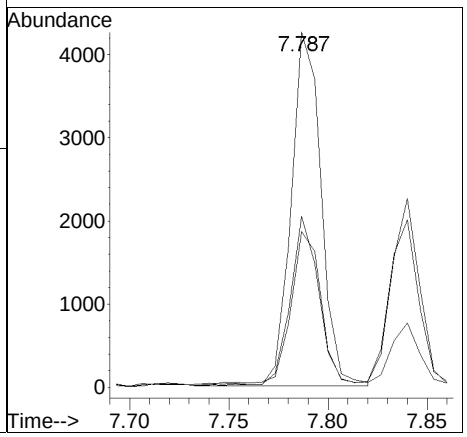


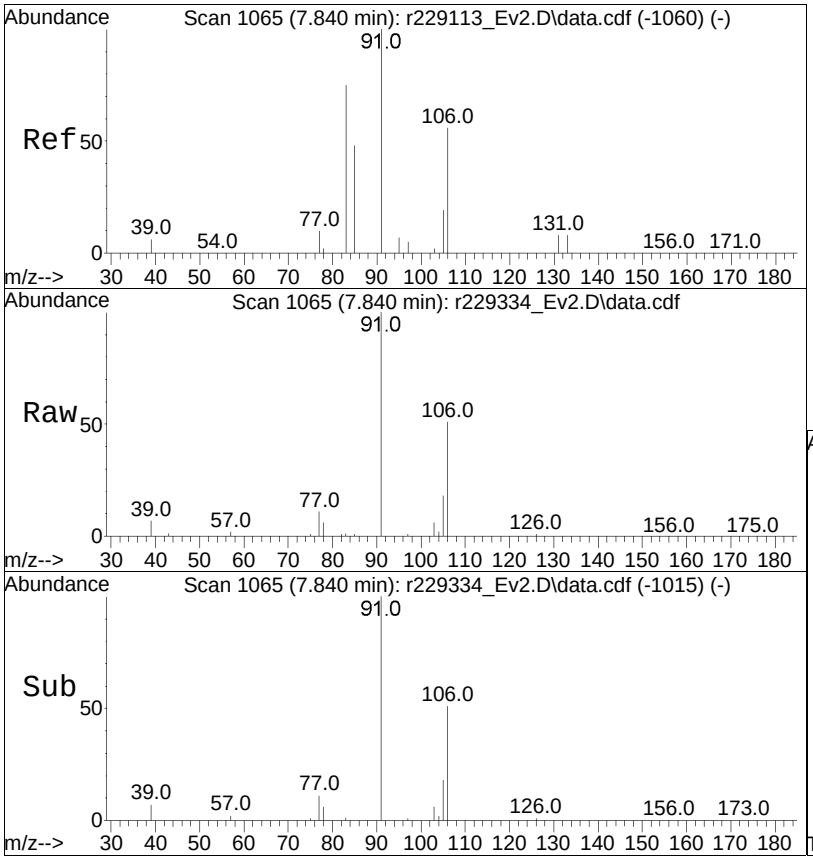


#63
styrene
Concen: 0.04 ppbV
RT: 7.787 min Scan# 1057
Delta R.T. -0.007 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion:104 Resp: 4470

Ion	Ratio	Lower	Upper
104	100		
103	43.8	33.7	50.5
78	48.1	28.9	43.3#

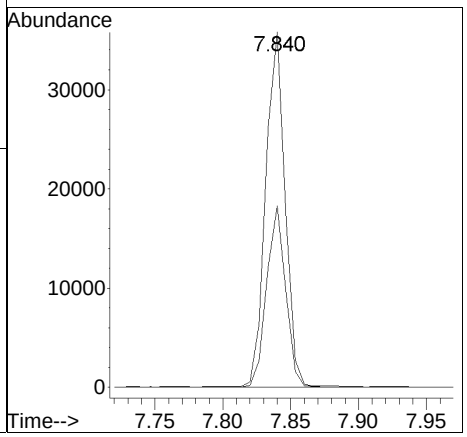


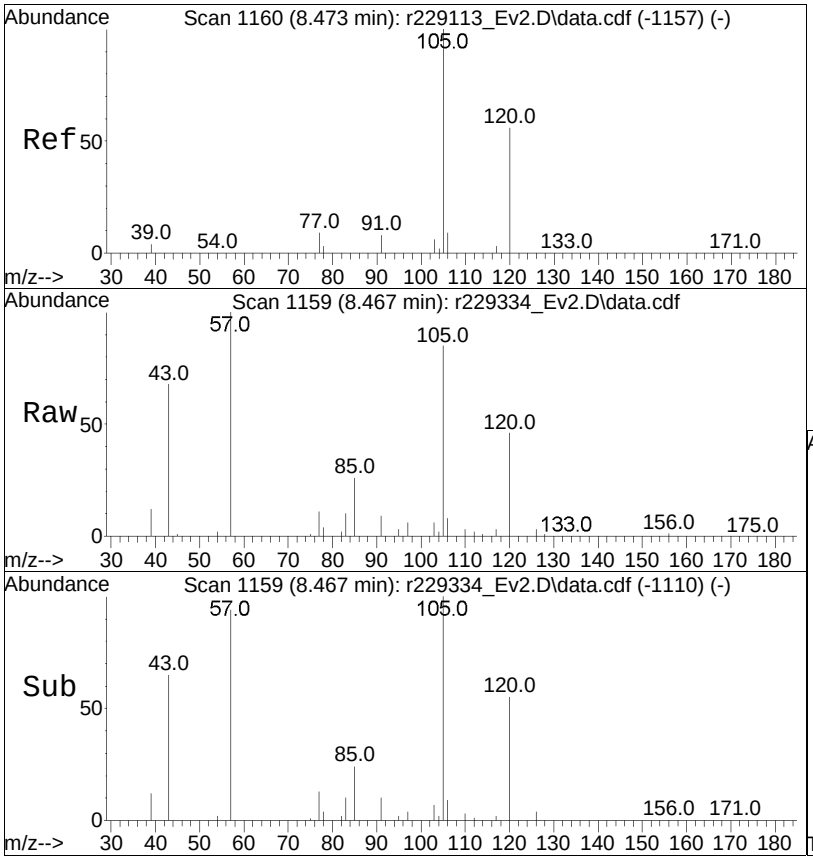


#65
o-xylene
Concen: 0.27 ppbV
RT: 7.840 min Scan# 1065
Delta R.T. 0.000 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion: 91 Resp: 35556

Ion	Ratio	Lower	Upper
91	100		
106	51.1	44.8	67.2

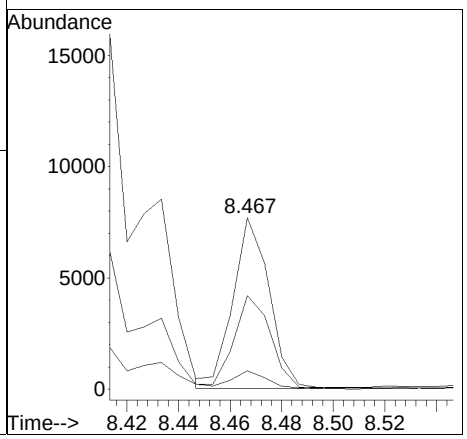


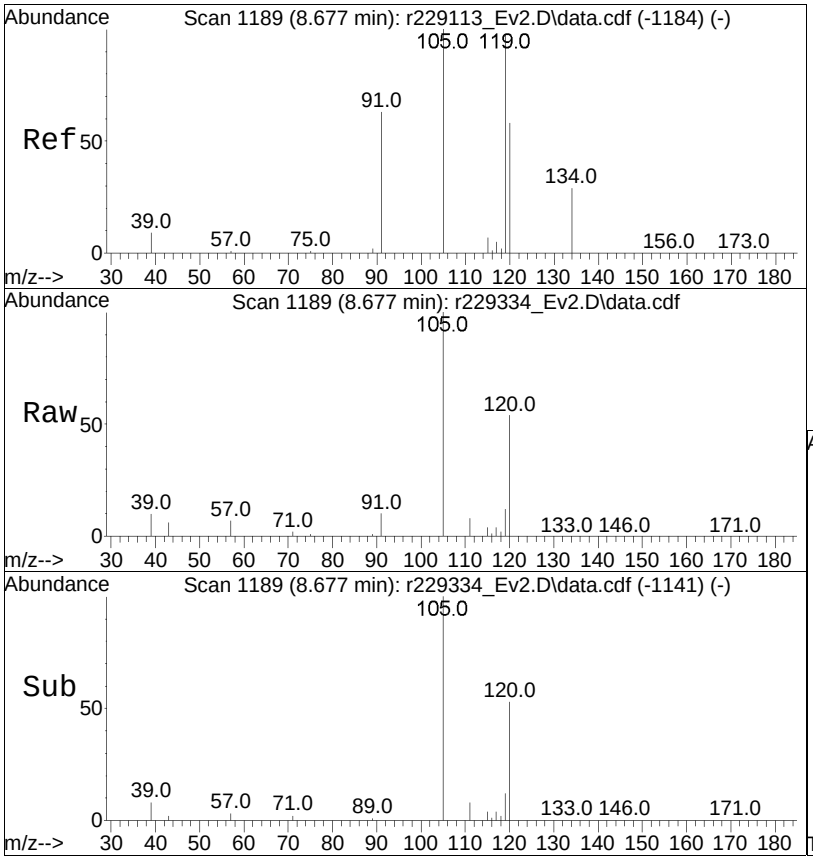


#71
1,3,5-trimethylbenzene
Concen: 0.05 ppbV
RT: 8.467 min Scan# 1159
Delta R.T. -0.007 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion:105 Resp: 7490

Ion	Ratio	Lower	Upper
105	100		
120	54.6	44.2	66.4
91	10.8	6.2	9.4#

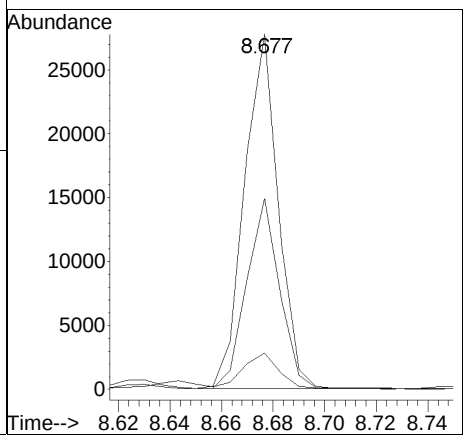


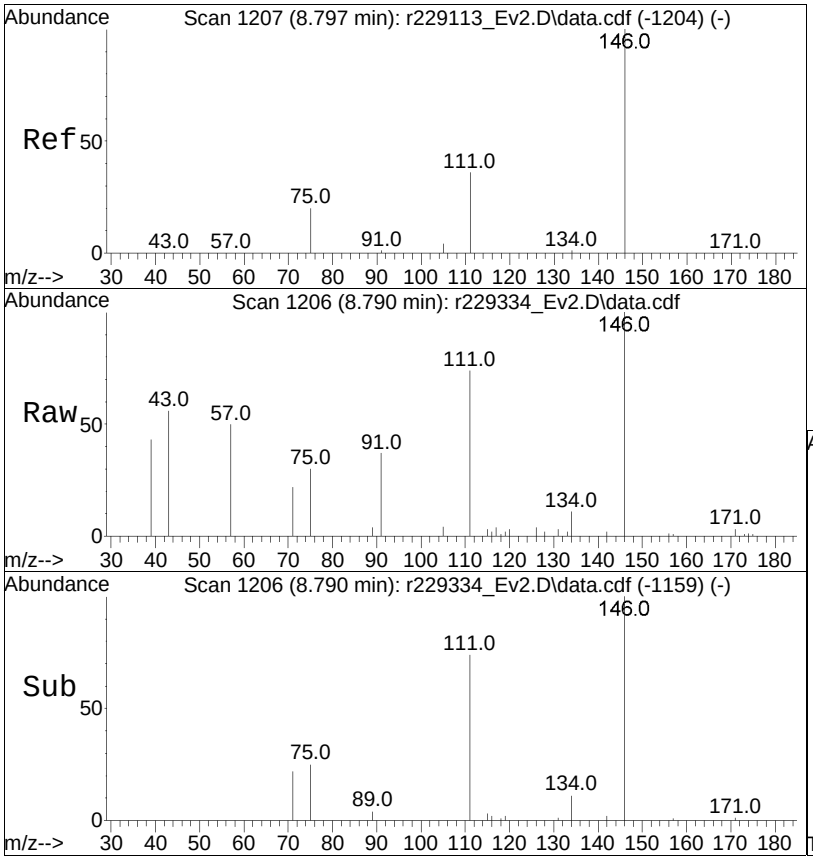


#73
1,2,4-trimethylbenzene
Concen: 0.16 ppbV
RT: 8.677 min Scan# 1189
Delta R.T. 0.000 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion:105 Resp: 25230

Ion	Ratio	Lower	Upper
105	100		
120	53.8	46.5	69.7
91	10.2	50.3	75.5#

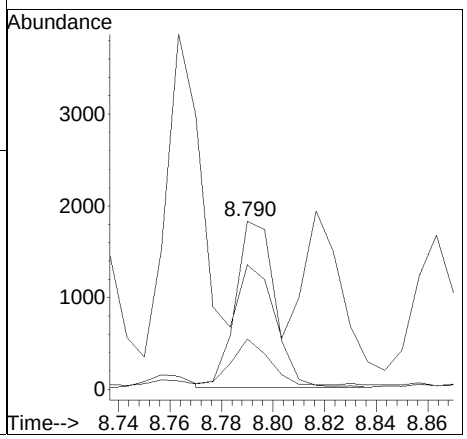


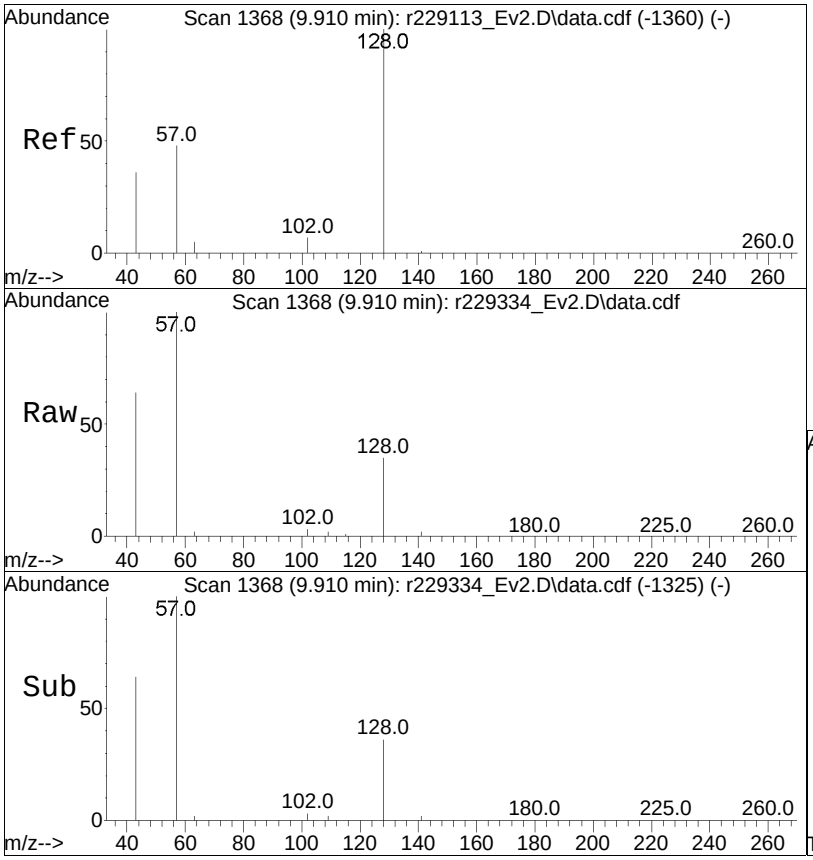


#76
1,4-dichlorobenzene
Concen: 0.02 ppbV
RT: 8.790 min Scan# 1206
Delta R.T. -0.007 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion:146 Resp: 1921

Ion	Ratio	Lower	Upper
146	100		
111	74.1	28.4	42.6#
75	30.0	16.1	24.1#

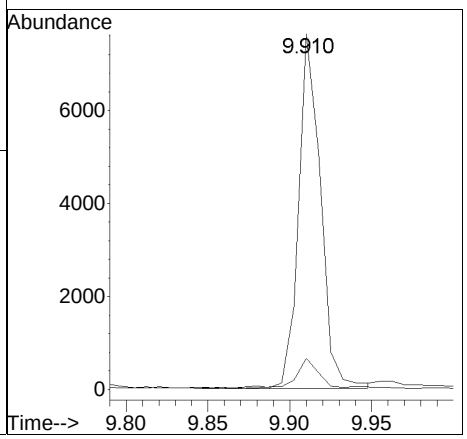




#83
naphthalene
Concen: 0.03 ppbV
RT: 9.910 min Scan# 1368
Delta R.T. 0.000 min
Lab File: r229334_Ev2.D
Acq: 20 Feb 2025 2:46 AM

Tgt Ion:128 Resp: 7147

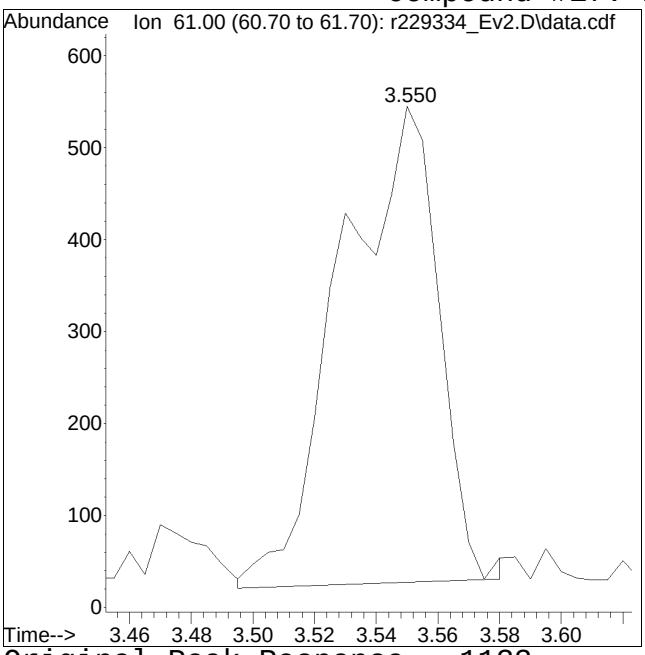
Ion	Ratio	Lower	Upper
128	100		
102	8.8	5.5	8.3#



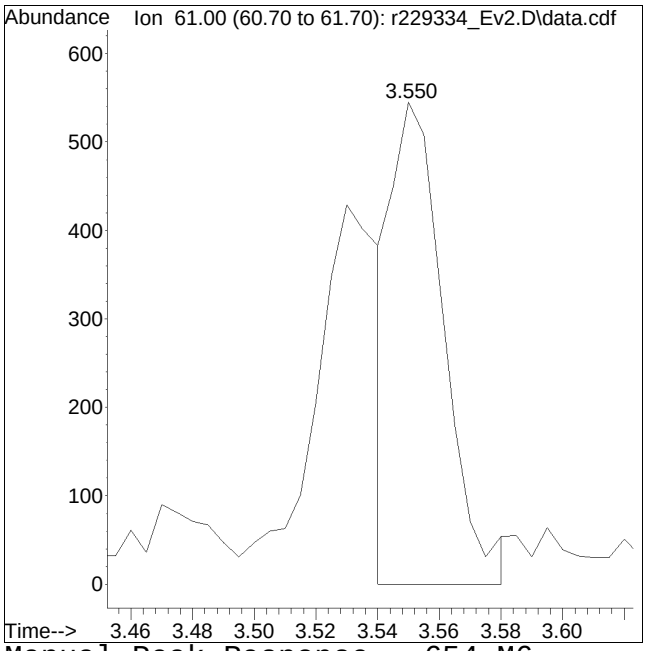
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab22\20QMethod : TSIM22_250206.M
Data File : r229334_Ev2.D Operator : AIRLAB22:TPH
Date Inj'd : 2/20/2025 2:46 AM Instrument :
Sample : L2506387-06,3,250,250 Quant Date : 2/20/2025 7:51 am

Compound #17: 1,1-dichloroethene



Original Peak Response = 1133



Manual Peak Response = 654 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229342_Ev2.D
Acq On : 20 Feb 2025 8:23 AM
Operator : AIRLAB22:TPH
Sample : L2506387-01D,3,100,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 20 11:15:54 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0219SIM\r229324_Ev2.D
Sub List : PCE - .

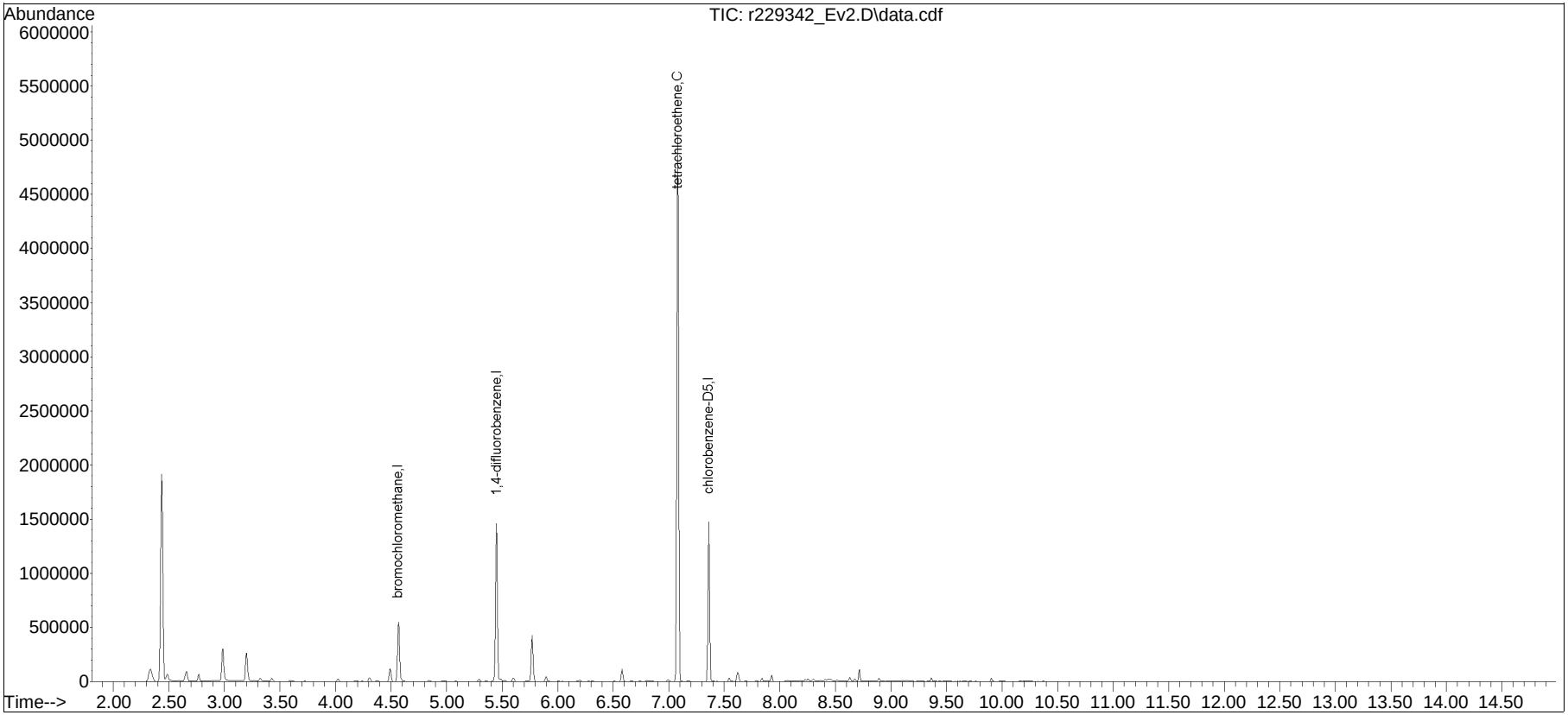
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	4.563	49	315776	10.000	ppbV	0.00
Standard Area = 316137			Recovery = 99.89%			
33) 1,4-difluorobenzene	5.450	114	1012859	10.000	ppbV	0.00
Standard Area = 1013027			Recovery = 99.98%			
51) chlorobenzene-D5	7.360	54	127089	10.000	ppbV	# 0.00
Standard Area = 123842			Recovery = 102.62%			
System Monitoring Compounds						
Target Compounds						Qvalue
57) tetrachloroethene	7.080	166	2076712	32.164	ppbV	95

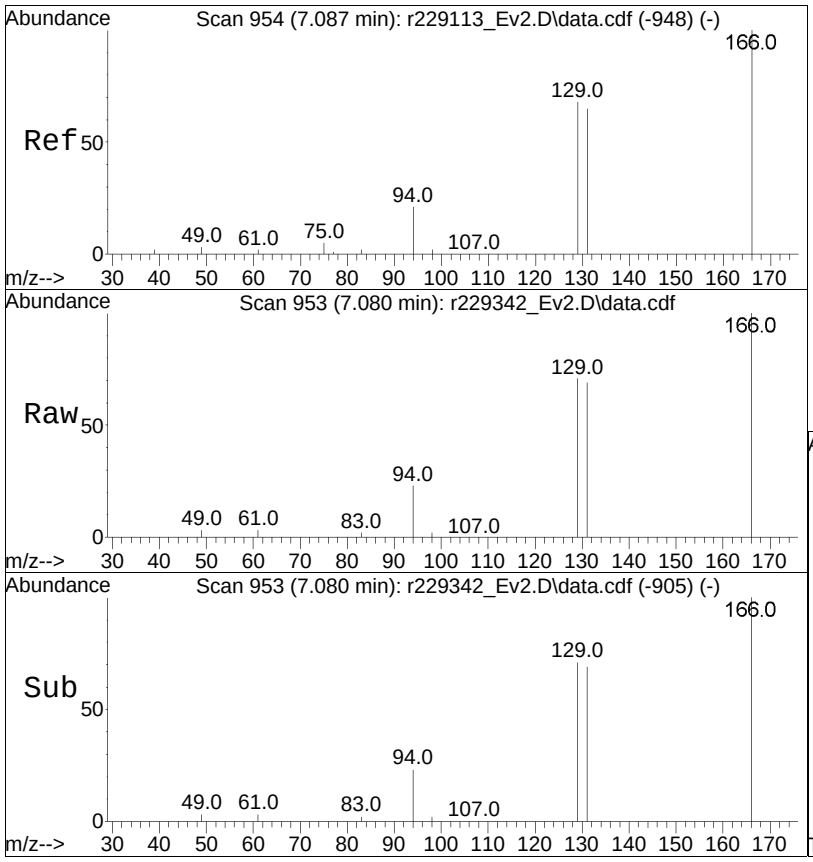
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : PCE - .ab\Data\Airlab22\2025\02\0219SIM\r229324_Ev2.D

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229342_Ev2.D
Acq On : 20 Feb 2025 8:23 AM
Operator : AIRLAB22:TPH
Sample : L2506387-01D,3,100,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 20 11:15:54 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

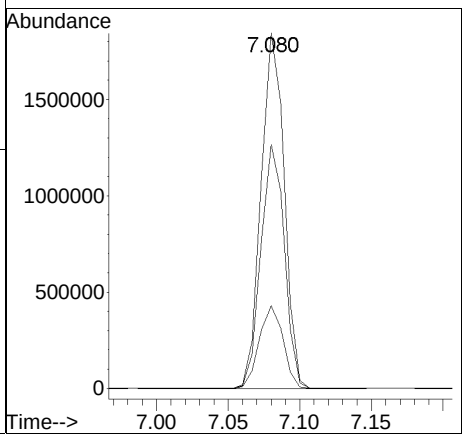




#57
tetrachloroethene
Concen: 32.16 ppbV
RT: 7.080 min Scan# 953
Delta R.T. -0.007 min
Lab File: r229342_Ev2.D
Acq: 20 Feb 2025 8:23 AM

Tgt Ion:166 Resp: 2076712

Ion	Ratio	Lower	Upper
166	100		
131	68.7	51.9	77.9
94	23.2	16.6	24.8



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab22\20	QMethod	: TSIM22_250206.M
Data File	: r229342_Ev2.D	Operator	: AIRLAB22:TPH
Date Inj'd	: 2/20/2025 8:23 AM	Instrument	:
Sample	: L2506387-01D,3,100,250	Quant Date	: 2/20/2025 11:15 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229343_Ev2.D
Acq On : 20 Feb 2025 8:52 AM
Operator : AIRLAB22:TPH
Sample : L2506387-06D,3,100,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 20 11:16:02 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0219SIM\r229324_Ev2.D
Sub List : PCE - .

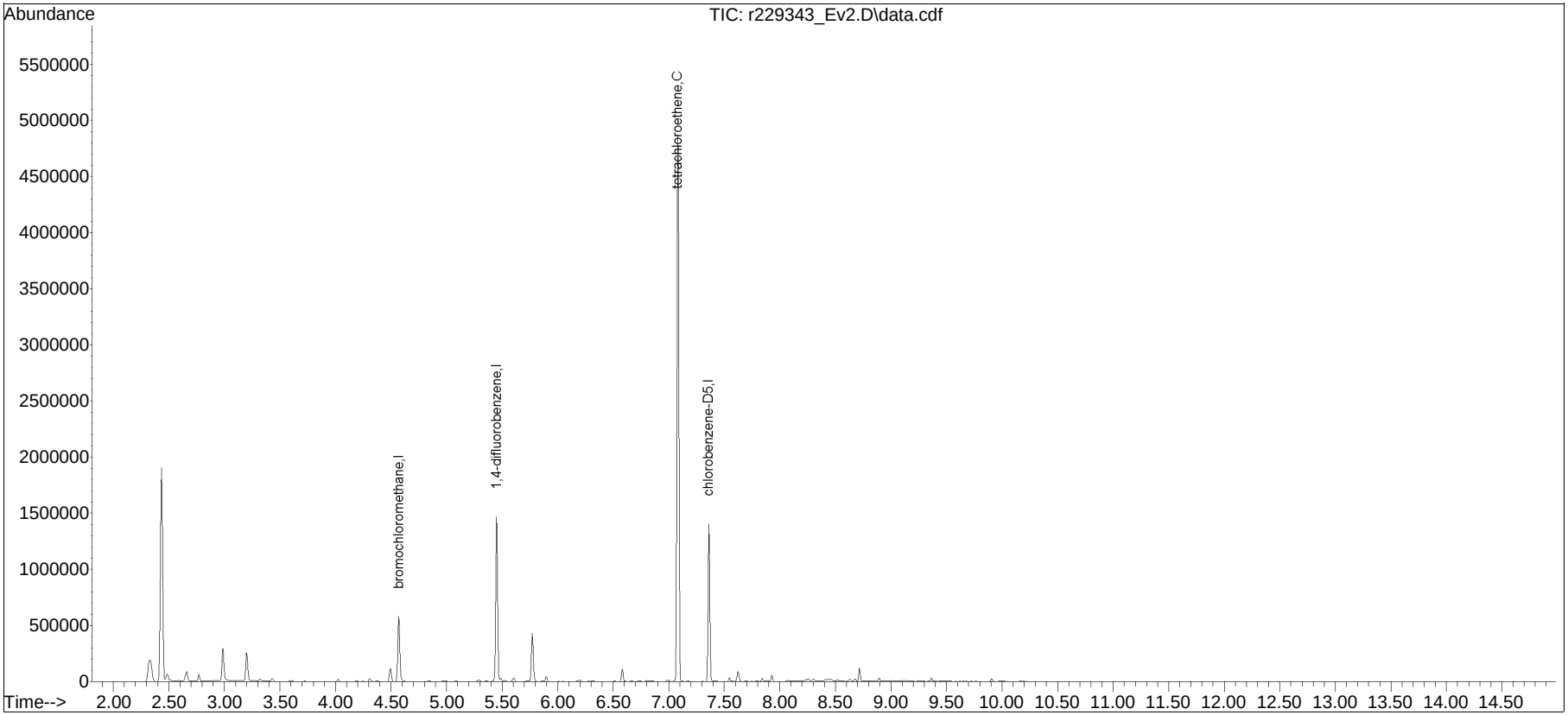
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	4.570	49	319069	10.000	ppbV	0.00
Standard Area = 316137			Recovery = 100.93%			
33) 1,4-difluorobenzene	5.450	114	1015602	10.000	ppbV	0.00
Standard Area = 1013027			Recovery = 100.25%			
51) chlorobenzene-D5	7.360	54	128625	10.000	ppbV	# 0.00
Standard Area = 123842			Recovery = 103.86%			
System Monitoring Compounds						
Target Compounds						Qvalue
57) tetrachloroethene	7.080	166	2136822	32.699	ppbV	94

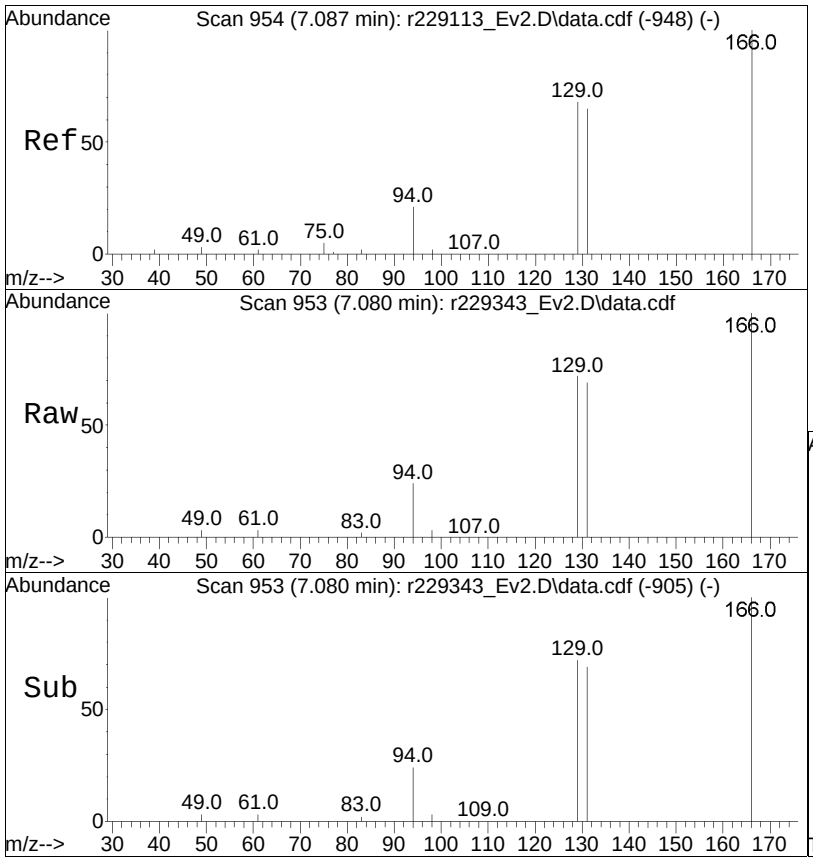
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : PCE - .ab\Data\Airlab22\2025\02\0219SIM\r229324_Ev2.D

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229343_Ev2.D
Acq On : 20 Feb 2025 8:52 AM
Operator : AIRLAB22:TPH
Sample : L2506387-06D,3,100,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 20 11:16:02 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

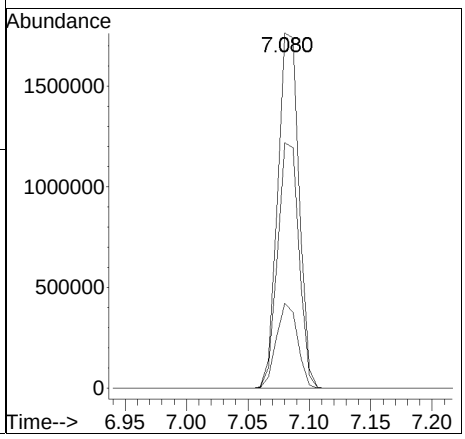




#57
tetrachloroethene
Concen: 32.70 ppbV
RT: 7.080 min Scan# 953
Delta R.T. -0.007 min
Lab File: r229343_Ev2.D
Acq: 20 Feb 2025 8:52 AM

Tgt Ion:166 Resp: 2136822

Ion	Ratio	Lower	Upper
166	100		
131	69.1	51.9	77.9
94	24.0	16.6	24.8



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab22\20	QMethod	: TSIM22_250206.M
Data File	: r229343_Ev2.D	Operator	: AIRLAB22:TPH
Date Inj'd	: 2/20/2025 8:52 AM	Instrument	:
Sample	: L2506387-06D,3,100,250	Quant Date	: 2/20/2025 11:16 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_Env. Assessment & Remediation	**Lab Number**	: L2506387
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	**Project Number**	: CO 152705/S 130111
Instrument ID	: AIRLAB22	**Ical Ref**	: ICAL21971
Calibration dates	: 02/06/25 19:30 02/07/25 14:57		

Calibration Files

0.02=r229107_Ev2.D 0.05=r229108_Ev2.D 0.1 =r229109_Ev2.D 0.2 =r229110_Ev2.D 0.5 =r229111_Ev2.D

1.0 =r229112_Ev2.D 5.0 =r229113_Ev2.D 10.0=r229114_Ev2.D 20.0=r229115_Ev2.D 50.0=r229116_Ev2.D

		Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
1)	I	bromochloromethane	----------ISTD----------											
2)		propylene				1.240	1.288	1.243	0.833	0.782	0.904	1.015	1.044	20.39
3)		dichlorodifluoromethane				1.114	1.264	1.302	1.094	1.088	1.058	0.999	1.131	9.77
4)	C	chloromethane				0.686	0.709	0.701	0.594	0.613	0.615	0.621	0.648	7.44
5)		Freon-114		1.304	1.201	1.410	1.482	1.465	1.231	1.232	1.187	1.099	1.290	10.39
6)	C	vinyl chloride	0.804	0.689	0.603	0.740	0.796	0.783	0.665	0.681	0.674	0.662	0.710	9.50
7)	C	1,3-butadiene	0.681	0.580	0.518	0.610	0.603	0.599	0.387	0.397	0.523	0.520	0.542	17.27
8)	C	bromomethane	0.713	0.571	0.552	0.632	0.625	0.622	0.522	0.535	0.521	0.515	0.581	11.22
9)	C	chloroethane			0.335	0.400	0.415	0.411	0.345	0.356	0.354	0.396	0.377	8.57
10)		ethanol					0.462	0.457	0.371	0.378	0.379	0.368	0.402	10.97
11)	C	vinyl bromide				0.607	0.606	0.605	0.388	0.395	0.515	0.505	0.517	18.58
12)	C	acrolein		0.442	0.387	0.406	0.405	0.396	0.324	0.334	0.341	0.347	0.376	10.82
13)		acetone				0.891	0.900	0.872	0.540	0.546	0.688	0.639	0.725	22.15
14)		trichlorofluoromethane		0.816	0.706	0.840	0.844	0.841	0.715	0.720	0.703	0.688	0.764	9.01
15)		isopropyl alcohol				1.315	1.266	1.243	0.782	0.799	1.048	1.030	1.069	20.45
16)	C	acrylonitrile				1.067	1.040	0.992	0.845	0.854	0.859	0.857	0.931	10.57
17)	C	1,1-dichloroethene	1.127	1.050	1.030	1.144	1.205	1.209	1.032	1.005	0.945	0.884	1.063	10.11
18)		tertiary butyl alcohol					0.966	1.001	1.051	1.138	1.244	1.299	1.117	12.04
19)	C	methylene chloride					1.025	1.001	0.858	0.852	0.838	0.848	0.904	9.44
20)	C	3-chloropropene				1.415	1.481	1.483	0.964	1.042	1.231	1.232	1.264	16.45
21)	C	carbon disulfide				2.809	2.887	2.813	1.832	1.827	2.375	2.351	2.413	18.74
22)		Freon 113	1.559	1.481	1.650	1.604	1.651	1.634	1.713	1.503	1.609	1.363	1.577	6.51
23)		trans-1,2-dichloroethene	1.056	1.041	1.040	1.172	1.241	1.234	0.798	0.786	0.988	0.963	1.032	15.39
24)	C	1,1-dichloroethane	1.621	1.501	1.450	1.631	1.701	1.707	1.455	1.438	1.378	1.421	1.530	8.01
25)	C	MTBE	2.400	2.227	1.906	2.346	2.112	2.120	1.466	1.450	1.792	1.807	1.963	17.17
26)	C	vinyl acetate					1.748	1.888	1.201	1.476	2.109	2.322	1.791	22.91
27)	C	2-butanone				2.120	2.147	2.119	1.364	1.393	1.789	1.799	1.819	18.48
28)		cis-1,2-dichloroethene	1.095	1.054	1.037	1.161	1.227	1.226	1.040	1.022	0.975	0.948	1.079	9.06
29)		Ethyl Acetate				0.288	0.272	0.287	0.193	0.202	0.258	0.249	0.250	15.42
30)	C	chloroform	1.340	1.231	1.203	1.329	1.376	1.377	1.176	1.145	1.090	1.049	1.232	9.69
31)		Tetrahydrofuran				1.224	1.275	1.254	0.821	0.815	1.033	1.030	1.065	18.37
32)	C	1,2-dichloroethane	0.761	0.642	0.644	0.788	0.759	0.740	0.618	0.602	0.569	0.550	0.667	13.05
33)	I	1,4-difluorobenzene	----------ISTD----------											
34)	C	hexane				0.464	0.465	0.470	0.296	0.289	0.356	0.317	0.380	22.04
35)	s	1,2-dichloroethane-D4				0.191	0.185	0.189	0.185	0.181	0.176	0.171	0.183	3.78
36)	C	1,1,1-trichloroethane	0.346	0.356	0.318	0.396	0.353	0.357	0.340	0.326	0.308	0.278	0.338	9.56

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: NYDEC_Env. Assessment & Remediation**	**Lab Number**	**: L2506387**
Project Name	**: FORMER FRESH AND CLEAN LAUNDRY**	**Project Number**	**: CO 152705/S 130111**
Instrument ID	**: AIRLAB22**	**Ical Ref**	**: ICAL21971**
Calibration dates	**: 02/06/25 19:30 02/07/25 14:57**		

Calibration Files

0.02=r229107_Ev2.D 0.05=r229108_Ev2.D 0.1 =r229109_Ev2.D 0.2 =r229110_Ev2.D 0.5 =r229111_Ev2.D

1.0 =r229112_Ev2.D 5.0 =r229113_Ev2.D 10.0=r229114_Ev2.D 20.0=r229115_Ev2.D 50.0=r229116_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			0.952	1.037	1.046	1.040	0.890	0.876	0.834	0.777	0.932	11.09
38)	C	carbon tetrachloride	0.299	0.262	0.266	0.299	0.285	0.293	0.241	0.230	0.222	0.200	0.260	13.52
39)		cyclohexane				0.525	0.662	0.589	0.341	0.329	0.408	0.383	0.462	28.15
40)		Dibromomethane		0.290	0.270	0.283	0.289	0.282	0.230	0.220	0.207	0.179	0.250	16.64
41)	C	1,2-dichloropropane	0.436	0.347	0.334	0.369	0.384	0.382	0.322	0.316	0.292	0.259	0.344	14.84
42)		bromodichloromethane	0.395	0.373	0.366	0.406	0.417	0.417	0.267	0.260	0.314	0.285	0.350	17.96
43)	C	1,4-dioxane			0.256	0.266	0.253	0.251	0.152	0.146	0.178	0.162	0.208	25.33
44)	C	trichloroethene	0.471	0.442	0.450	0.478	0.485	0.480	0.406	0.391	0.359	0.306	0.427	14.11
45)	C	2,2,4-trimethylpentane				1.483	1.507	1.511	0.960	0.936	1.144	1.007	1.221	22.06
46)		heptane				0.639	0.656	0.655	0.456	0.445	0.507	0.490	0.550	17.50
47)	C	cis-1,3-dichloropropene	0.474	0.444	0.446	0.491	0.490	0.495	0.421	0.420	0.399	0.364	0.444	9.87
48)	C	4-methyl-2-pentanone					0.816	0.824	0.528	0.513	0.614	0.544	0.640	22.49
49)		trans-1,3-dichloropropene	0.351	0.327	0.318	0.348	0.335	0.339	0.291	0.294	0.288	0.276	0.317	8.62
50)	C	1,1,2-trichloroethane	0.392	0.371	0.363	0.396	0.419	0.416	0.353	0.345	0.323	0.292	0.367	11.06
51)	I	chlorobenzene-D5	----------ISTD----------											
52)	C	toluene			1.063	1.159	1.228	1.208	1.026	1.002	0.932	0.812	1.054	13.50
53)	s	toluene-D8				8.832	9.284	9.177	9.114	9.235	9.420	9.850	9.273	3.37
54)		2-hexanone				8.565	7.994	7.862	5.028	4.660	5.967	5.197	6.467	25.15
55)		dibromochloromethane	4.612	4.416	4.358	4.593	4.816	4.799	3.147	3.150	3.922	3.596	4.141	15.59
56)	C	1,2-dibromoethane	4.841	4.860	4.662	4.970	5.207	5.137	4.437	4.451	4.295	4.021	4.688	8.18
57)	C	tetrachloroethene	5.440	5.373	5.081	5.394	5.822	5.703	4.889	4.759	4.452	3.892	5.080	11.73
58)		1,1,1,2-tetrachloroethane	3.949	3.681	3.521	3.835	4.018	3.908	3.302	3.230	3.091	2.721	3.526	12.19
59)	C	chlorobenzene	1.031	0.988	0.929	1.014	1.054	1.029	0.886	0.874	0.817	0.712	0.934	11.90
60)	C	ethylbenzene	1.337	1.327	1.267	1.392	1.476	1.468	1.248	1.211	1.127	0.985	1.284	11.84
61)	C	m+p-xylene	1.057	1.041	1.026	1.116	1.192	1.172	0.989	0.946	0.854	0.709	1.010	14.52
62)	C	bromoform	3.604	3.543	3.242	3.523	3.827	3.796	2.549	2.587	3.239	2.960	3.287	14.05
63)	C	styrene	1.016	0.953	0.933	0.982	1.064	1.045	0.927	0.918	0.876	0.774	0.949	8.99
64)	C	1,1,2,2-tetrachloroethane	7.484	7.340	6.886	7.534	8.295	8.190	7.015	6.837	6.335	5.556	7.147	11.50
65)	C	o-xylene	1.100	1.060	1.029	1.129	1.198	1.174	0.981	0.933	0.841	0.689	1.013	15.63
66)		1,2,3-Trichloropropane	5.812	5.806	5.549	5.980	6.263	6.210	5.310	5.328	5.211	4.944	5.641	7.86
67)	s	bromofluorobenzene				6.193	6.546	6.290	6.254	6.399	6.497	6.906	6.441	3.76
68)	C	isopropylbenzene				1.554	1.631	1.608	1.353	1.335	1.257	1.065	1.400	14.85
69)		Bromobenzene	8.084	8.062	7.908	8.375	8.639	8.562	7.221	7.175	6.975	6.255	7.726	10.13
70)		4-ethyl toluene	1.385	1.367	1.364	1.502	1.542	1.530	1.028	1.023	1.236	1.050	1.303	15.89
71)		1,3,5-trimethylbenzene	1.281	1.254	1.190	1.309	1.393	1.375	1.210	1.164	1.063	0.923	1.216	11.75
72)		tert-butylbenzene				1.349	1.418	1.401	1.151	1.087	0.978	0.778	1.166	20.54

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: NYDEC_Env. Assessment & Remediation**	**Lab Number**	**: L2506387**
Project Name	**: FORMER FRESH AND CLEAN LAUNDRY**	**Project Number**	**: CO 152705/S 130111**
Instrument ID	**: AIRLAB22**	**Ical Ref**	**: ICAL21971**
Calibration dates	**: 02/06/25 19:30 02/07/25 14:57**		

Calibration Files

0.02=r229107_Ev2.D 0.05=r229108_Ev2.D 0.1 =r229109_Ev2.D 0.2 =r229110_Ev2.D 0.5 =r229111_Ev2.D

1.0 =r229112_Ev2.D 5.0 =r229113_Ev2.D 10.0=r229114_Ev2.D 20.0=r229115_Ev2.D 50.0=r229116_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	1.264	1.282	1.245	1.347	1.406	1.402	1.187	1.126	0.985	0.774	1.202	16.43
74)	C	Benzyl Chloride			5.807	6.356	6.442	6.556	4.825	5.286	7.431	7.126	6.229	14.17
75)		1,3-dichlorobenzene	1.007	0.972	0.939	0.994	1.069	1.041	0.912	0.894	0.823	0.696	0.935	11.89
76)	C	1,4-dichlorobenzene	1.035	0.978	0.929	0.973	1.069	1.056	0.927	0.904	0.829	0.705	0.940	11.80
77)		sec-butylbenzene				1.987	2.075	2.064	1.754	1.703	1.575	1.285	1.777	16.30
78)		p-isopropyltoluene				1.663	1.743	1.730	1.415	1.340	1.182	0.913	1.427	21.77
79)		1,2-dichlorobenzene	0.934	0.928	0.876	0.935	1.010	0.994	0.870	0.860	0.796	0.709	0.891	10.14
80)		n-butylbenzene				1.400	1.500	1.500	1.265	1.228	1.139	0.978	1.287	15.04
81)		1,2-dibromo-3-chloropr...	2.553	2.773	2.734	2.946	3.031	3.065	2.722	2.735	2.646	2.570	2.778	6.49
82)	C	1,2,4-trichlorobenzene		6.790	7.081	6.826	8.150	8.303	7.688	7.611	6.788	6.754	7.332	8.43
83)		naphthalene		1.685	1.926	1.775	2.136	2.198	1.964	1.876	1.627	1.458	1.849	12.95
84)		1,2,3-trichlorobenzene		5.328	6.620	5.919	7.704	7.510	7.340	7.351	6.556	6.915	6.805	11.58
85)	C	hexachlorobutadiene		5.158	5.252	5.246	6.200	6.177	5.333	5.148	4.474	4.348	5.260	12.03

Response Factor Report

Method Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Method File : TSIM22_250206.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Tue Feb 11 14:41:00 2025
Response Via : Initial Calibration

Calibration Files
0.02=r229107_Ev2.D 0.05=r229108_Ev2.D 0.1 =r229109_Ev2.D 0.2 =r229110_Ev2.D 0.5 =r229111_Ev2.D
1.0 =r229112_Ev2.D 5.0 =r229113_Ev2.D 10.0=r229114_Ev2.D 20.0=r229115_Ev2.D 50.0=r229116_Ev2.D

		Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
1)	I	bromochloromethane	ISTD											
2)		propylene				1.240	1.288	1.243	0.833	0.782	0.904	1.015	1.044	20.39
3)		dichlorodifluo...				1.114	1.264	1.302	1.094	1.088	1.058	0.999	1.131	9.77
4)	C	chloromethane				0.686	0.709	0.701	0.594	0.613	0.615	0.621	0.648	7.44
5)		Freon-114		1.304	1.201	1.410	1.482	1.465	1.231	1.232	1.187	1.099	1.290	10.39
6)	C	vinyl chloride	0.804	0.689	0.603	0.740	0.796	0.783	0.665	0.681	0.674	0.662	0.710	9.50
7)	C	1,3-butadiene	0.681	0.580	0.518	0.610	0.603	0.599	0.387	0.397	0.523	0.520	0.542	17.27
8)	C	bromomethane	0.713	0.571	0.552	0.632	0.625	0.622	0.522	0.535	0.521	0.515	0.581	11.22
9)	C	chloroethane			0.335	0.400	0.415	0.411	0.345	0.356	0.354	0.396	0.377	8.57
10)		ethanol					0.462	0.457	0.371	0.378	0.379	0.368	0.402	10.97
11)	C	vinyl bromide				0.607	0.606	0.605	0.388	0.395	0.515	0.505	0.517	18.58
12)	C	acrolein		0.442	0.387	0.406	0.405	0.396	0.324	0.334	0.341	0.347	0.376	10.82
13)		acetone				0.891	0.900	0.872	0.540	0.546	0.688	0.639	0.725	22.15
14)		trichlorofluor...		0.816	0.706	0.840	0.844	0.841	0.715	0.720	0.703	0.688	0.764	9.01
15)		isopropyl alcohol				1.315	1.266	1.243	0.782	0.799	1.048	1.030	1.069	20.45
16)	C	acrylonitrile				1.067	1.040	0.992	0.845	0.854	0.859	0.857	0.931	10.57

Response Factor Report

Method Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Method File : TSIM22_250206.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Tue Feb 11 14:41:00 2025
Response Via : Initial Calibration

Calibration Files
0.02=r229107_Ev2.D 0.05=r229108_Ev2.D 0.1 =r229109_Ev2.D 0.2 =r229110_Ev2.D 0.5 =r229111_Ev2.D
1.0 =r229112_Ev2.D 5.0 =r229113_Ev2.D 10.0=r229114_Ev2.D 20.0=r229115_Ev2.D 50.0=r229116_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...	1.127	1.050	1.030	1.144	1.205	1.209	1.032	1.005	0.945	0.884	1.063	10.11
18)		tertiary butyl...					0.966	1.001	1.051	1.138	1.244	1.299	1.117	12.04
19)	C	methylene chlo...					1.025	1.001	0.858	0.852	0.838	0.848	0.904	9.44
20)	C	3-chloropropene				1.415	1.481	1.483	0.964	1.042	1.231	1.232	1.264	16.45
21)	C	carbon disulfide				2.809	2.887	2.813	1.832	1.827	2.375	2.351	2.413	18.74
22)		Freon 113	1.559	1.481	1.650	1.604	1.651	1.634	1.713	1.503	1.609	1.363	1.577	6.51
23)		trans-1,2-dich...	1.056	1.041	1.040	1.172	1.241	1.234	0.798	0.786	0.988	0.963	1.032	15.39
24)	C	1,1-dichloroet...	1.621	1.501	1.450	1.631	1.701	1.707	1.455	1.438	1.378	1.421	1.530	8.01
25)	C	MTBE	2.400	2.227	1.906	2.346	2.112	2.120	1.466	1.450	1.792	1.807	1.963	17.17
26)	C	vinyl acetate					1.748	1.888	1.201	1.476	2.109	2.322	1.791	22.91
27)	C	2-butanone				2.120	2.147	2.119	1.364	1.393	1.789	1.799	1.819	18.48
28)		cis-1,2-dichlo...	1.095	1.054	1.037	1.161	1.227	1.226	1.040	1.022	0.975	0.948	1.079	9.06
29)		Ethyl Acetate				0.288	0.272	0.287	0.193	0.202	0.258	0.249	0.250	15.42
30)	C	chloroform	1.340	1.231	1.203	1.329	1.376	1.377	1.176	1.145	1.090	1.049	1.232	9.69
31)		Tetrahydrofuran				1.224	1.275	1.254	0.821	0.815	1.033	1.030	1.065	18.37
32)	C	1,2-dichloroet...	0.761	0.642	0.644	0.788	0.759	0.740	0.618	0.602	0.569	0.550	0.667	13.05

Response Factor Report

Method Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Method File : TSIM22_250206.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Tue Feb 11 14:41:00 2025
Response Via : Initial Calibration

Calibration Files
0.02=r229107_Ev2.D 0.05=r229108_Ev2.D 0.1 =r229109_Ev2.D 0.2 =r229110_Ev2.D 0.5 =r229111_Ev2.D
1.0 =r229112_Ev2.D 5.0 =r229113_Ev2.D 10.0=r229114_Ev2.D 20.0=r229115_Ev2.D 50.0=r229116_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				0.464	0.465	0.470	0.296	0.289	0.356	0.317	0.380	22.04
35)	s	1,2-dichloroet...				0.191	0.185	0.189	0.185	0.181	0.176	0.171	0.183	3.78
36)	C	1,1,1-trichlor...	0.346	0.356	0.318	0.396	0.353	0.357	0.340	0.326	0.308	0.278	0.338	9.56
37)	C	benzene			0.952	1.037	1.046	1.040	0.890	0.876	0.834	0.777	0.932	11.09
38)	C	carbon tetrach...	0.299	0.262	0.266	0.299	0.285	0.293	0.241	0.230	0.222	0.200	0.260	13.52
39)		cyclohexane				0.525	0.662	0.589	0.341	0.329	0.408	0.383	0.462	28.15
40)		Dibromomethane		0.290	0.270	0.283	0.289	0.282	0.230	0.220	0.207	0.179	0.250	16.64
41)	C	1,2-dichloropr...	0.436	0.347	0.334	0.369	0.384	0.382	0.322	0.316	0.292	0.259	0.344	14.84
42)		bromodichlorom...	0.395	0.373	0.366	0.406	0.417	0.417	0.267	0.260	0.314	0.285	0.350	17.96
43)	C	1,4-dioxane			0.256	0.266	0.253	0.251	0.152	0.146	0.178	0.162	0.208	25.33
44)	C	trichloroethene	0.471	0.442	0.450	0.478	0.485	0.480	0.406	0.391	0.359	0.306	0.427	14.11
45)	C	2,2,4-trimethy...				1.483	1.507	1.511	0.960	0.936	1.144	1.007	1.221	22.06
46)		heptane				0.639	0.656	0.655	0.456	0.445	0.507	0.490	0.550	17.50
47)	C	cis-1,3-dichlo...	0.474	0.444	0.446	0.491	0.490	0.495	0.421	0.420	0.399	0.364	0.444	9.87
48)	C	4-methyl-2-pen...					0.816	0.824	0.528	0.513	0.614	0.544	0.640	22.49

Response Factor Report

Method Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Method File : TSIM22_250206.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Tue Feb 11 14:41:00 2025
Response Via : Initial Calibration

Calibration Files
0.02=r229107_Ev2.D 0.05=r229108_Ev2.D 0.1 =r229109_Ev2.D 0.2 =r229110_Ev2.D 0.5 =r229111_Ev2.D
1.0 =r229112_Ev2.D 5.0 =r229113_Ev2.D 10.0=r229114_Ev2.D 20.0=r229115_Ev2.D 50.0=r229116_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...	0.351	0.327	0.318	0.348	0.335	0.339	0.291	0.294	0.288	0.276	0.317	8.62
50)	C	1,1,2-trichlor...	0.392	0.371	0.363	0.396	0.419	0.416	0.353	0.345	0.323	0.292	0.367	11.06
51)	I	chlorobenzene-D5	----------ISTD----------											
52)	C	toluene			1.063	1.159	1.228	1.208	1.026	1.002	0.932	0.812	1.054	13.50
53)	s	toluene-D8				8.832	9.284	9.177	9.114	9.235	9.420	9.850	9.273	3.37
54)		2-hexanone				8.565	7.994	7.862	5.028	4.660	5.967	5.197	6.467	25.15
55)		dibromochlorom...	4.612	4.416	4.358	4.593	4.816	4.799	3.147	3.150	3.922	3.596	4.141	15.59
56)	C	1,2-dibromoethane	4.841	4.860	4.662	4.970	5.207	5.137	4.437	4.451	4.295	4.021	4.688	8.18
57)	C	tetrachloroethene	5.440	5.373	5.081	5.394	5.822	5.703	4.889	4.759	4.452	3.892	5.080	11.73
58)		1,1,1,2-tetrac...	3.949	3.681	3.521	3.835	4.018	3.908	3.302	3.230	3.091	2.721	3.526	12.19
59)	C	chlorobenzene	1.031	0.988	0.929	1.014	1.054	1.029	0.886	0.874	0.817	0.712	0.934	11.90
60)	C	ethylbenzene	1.337	1.327	1.267	1.392	1.476	1.468	1.248	1.211	1.127	0.985	1.284	11.84
61)	C	m+p-xylene	1.057	1.041	1.026	1.116	1.192	1.172	0.989	0.946	0.854	0.709	1.010	14.52
62)	C	bromoform	3.604	3.543	3.242	3.523	3.827	3.796	2.549	2.587	3.239	2.960	3.287	14.05
63)	C	styrene	1.016	0.953	0.933	0.982	1.064	1.045	0.927	0.918	0.876	0.774	0.949	8.99
64)	C	1,1,2,2-tetrac...	7.484	7.340	6.886	7.534	8.295	8.190	7.015	6.837	6.335	5.556	7.147	11.50

Response Factor Report

Method Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Method File : TSIM22_250206.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Tue Feb 11 14:41:00 2025
Response Via : Initial Calibration

Calibration Files
0.02=r229107_Ev2.D 0.05=r229108_Ev2.D 0.1 =r229109_Ev2.D 0.2 =r229110_Ev2.D 0.5 =r229111_Ev2.D
1.0 =r229112_Ev2.D 5.0 =r229113_Ev2.D 10.0=r229114_Ev2.D 20.0=r229115_Ev2.D 50.0=r229116_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	1.100	1.060	1.029	1.129	1.198	1.174	0.981	0.933	0.841	0.689	1.013	15.63
66)		1,2,3-Trichlor...	5.812	5.806	5.549	5.980	6.263	6.210	5.310	5.328	5.211	4.944	5.641	7.86
67)	s	bromofluoroben...				6.193	6.546	6.290	6.254	6.399	6.497	6.906	6.441	3.76
68)	C	isopropylbenzene				1.554	1.631	1.608	1.353	1.335	1.257	1.065	1.400	14.85
69)		Bromobenzene	8.084	8.062	7.908	8.375	8.639	8.562	7.221	7.175	6.975	6.255	7.726	10.13
70)		4-ethyl toluene	1.385	1.367	1.364	1.502	1.542	1.530	1.028	1.023	1.236	1.050	1.303	15.89
71)		1,3,5-trimethy...	1.281	1.254	1.190	1.309	1.393	1.375	1.210	1.164	1.063	0.923	1.216	11.75
72)		tert-butylbenzene				1.349	1.418	1.401	1.151	1.087	0.978	0.778	1.166	20.54
73)		1,2,4-trimethy...	1.264	1.282	1.245	1.347	1.406	1.402	1.187	1.126	0.985	0.774	1.202	16.43
74)	C	Benzyl Chloride			5.807	6.356	6.442	6.556	4.825	5.286	7.431	7.126	6.229	14.17
75)		1,3-dichlorobe...	1.007	0.972	0.939	0.994	1.069	1.041	0.912	0.894	0.823	0.696	0.935	11.89
76)	C	1,4-dichlorobe...	1.035	0.978	0.929	0.973	1.069	1.056	0.927	0.904	0.829	0.705	0.940	11.80
77)		sec-butylbenzene				1.987	2.075	2.064	1.754	1.703	1.575	1.285	1.777	16.30
78)		p-isopropyltol...				1.663	1.743	1.730	1.415	1.340	1.182	0.913	1.427	21.77
79)		1,2-dichlorobe...	0.934	0.928	0.876	0.935	1.010	0.994	0.870	0.860	0.796	0.709	0.891	10.14
80)		n-butylbenzene				1.400	1.500	1.500	1.265	1.228	1.139	0.978	1.287	15.04

Response Factor Report

Method Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Method File : TSIM22_250206.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Tue Feb 11 14:41:00 2025
Response Via : Initial Calibration

Calibration Files
0.02=r229107_Ev2.D 0.05=r229108_Ev2.D 0.1 =r229109_Ev2.D 0.2 =r229110_Ev2.D 0.5 =r229111_Ev2.D
1.0 =r229112_Ev2.D 5.0 =r229113_Ev2.D 10.0=r229114_Ev2.D 20.0=r229115_Ev2.D 50.0=r229116_Ev2.D

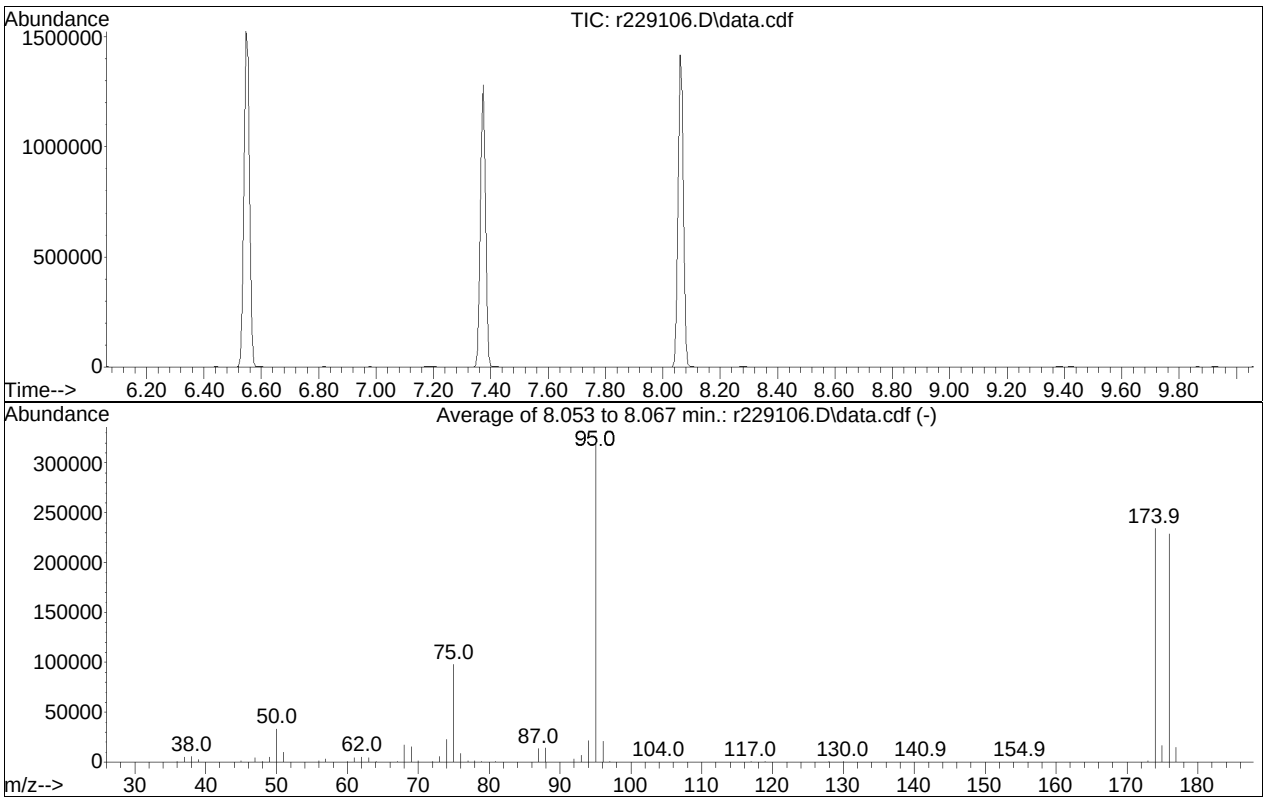
		Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
81)		1,2-dibromo-3-...	2.553	2.773	2.734	2.946	3.031	3.065	2.722	2.735	2.646	2.570	2.778	6.49
82)	C	1,2,4-trichlor...		6.790	7.081	6.826	8.150	8.303	7.688	7.611	6.788	6.754	7.332	8.43
83)		naphthalene		1.685	1.926	1.775	2.136	2.198	1.964	1.876	1.627	1.458	1.849	12.95
84)		1,2,3-trichlor...		5.328	6.620	5.919	7.704	7.510	7.340	7.351	6.556	6.915	6.805	11.58
85)	C	hexachlorobuta...		5.158	5.252	5.246	6.200	6.177	5.333	5.148	4.474	4.348	5.260	12.03

(#) = Out of Range

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229106.D
Acq On : 6 Feb 2025 7:02 PM
Operator : AIRLAB22:APR
Sample : WG2029249-1
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Tue Feb 11 14:41:00 2025



Spectrum Information: Average of 8.053 to 8.067 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	10.4	33419	PASS
75	95	30	66	30.6	97992	PASS
95	95	100	100	100.0	320386	PASS
96	95	5	9	6.6	21305	PASS
173	174	0.00	2	0.4	1010	PASS
174	95	50	120	73.2	234648	PASS
175	174	4	9	7.1	16617	PASS
176	174	93	101	97.5	228725	PASS
177	176	5	9	6.7	15236	PASS

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229107_Ev2.D
Acq On : 6 Feb 2025 7:30 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD0.02
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:58:43 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	4.577	49	293692	10.000	ppbV	0.00
Standard Area = 314516			Recovery = 93.38%			
33) 1,4-difluorobenzene	5.457	114	937641	10.000	ppbV	0.00
Standard Area = 1018308			Recovery = 92.08%			
51) chlorobenzene-D5	7.367	54	94202	10.000	ppbV	0.00
Standard Area = 101278			Recovery = 93.01%			
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	6.547	98	516	0.006	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.06%#			
67) bromofluorobenzene	8.060	95	1694	0.029	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.29%#			
Target Compounds						Qvalue
2) propylene	2.490	41	1129	0.046	ppbV	96
3) dichlorodifluoromethane	2.525	85	665	0.021	ppbV	97
4) chloromethane	2.605	50	451	0.026	ppbV	100
5) Freon-114	2.645	85	871	0.024	ppbV	98
6) vinyl chloride	2.695	62	472M4	0.024	ppbV	
7) 1,3-butadiene	2.755	54	400	0.035	ppbV	96
8) bromomethane	2.870	94	419	0.027	ppbV	98
9) chloroethane	2.944	64	277	0.027	ppbV #	84
10) ethanol	2.998	31	1467	0.135	ppbV	99
11) vinyl bromide	3.097	106	332	0.029	ppbV	97
12) acrolein	3.151	56	312	0.033	ppbV #	83
13) acetone	3.217	43	2914	0.184	ppbV #	99
14) trichlorofluoromethane	3.277	101	444	0.021	ppbV	97
15) isopropyl alcohol	3.334	45	2388	0.104	ppbV #	93
16) acrylonitrile	3.406	53	932	0.038	ppbV	95
17) 1,1-dichloroethene	3.560	61	662	0.022	ppbV	91
18) tertiary butyl alcohol	3.630	59	688	0.022	ppbV #	78
19) methylene chloride	3.610	49	907	0.036	ppbV	93
20) 3-chloropropene	3.665	41	756	0.027	ppbV	93
21) carbon disulfide	3.750	76	1722	0.032	ppbV #	1
22) Freon 113	3.730	101	916	0.018	ppbV	97
23) trans-1,2-dichloroethene	4.033	61	620	0.026	ppbV	98
24) 1,1-dichloroethane	4.127	63	952	0.022	ppbV	97

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229107_Ev2.D
Acq On : 6 Feb 2025 7:30 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD0.02
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:58:43 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	4.180	73	1410	0.033	ppbV	#	70
26) vinyl acetate	4.193	43	998	0.028	ppbV		94
27) 2-butanone	4.323	43	1326	0.033	ppbV	#	97
28) cis-1,2-dichloroethene	4.503	61	643	0.021	ppbV		98
29) Ethyl Acetate	4.617	61	442	0.078	ppbV	#	12
30) chloroform	4.637	83	787	0.023	ppbV	#	96
31) Tetrahydrofuran	4.857	42	790	0.033	ppbV		96
32) 1,2-dichloroethane	4.977	62	447	0.025	ppbV	#	77
34) hexane	4.597	57	876	0.032	ppbV	#	8
36) 1,1,1-trichloroethane	5.097	97	648M4	0.020	ppbV		
37) benzene	5.303	78	1965	0.024	ppbV		93
38) carbon tetrachloride	5.370	117	560	0.025	ppbV		93
39) cyclohexane	5.430	56	884M6	0.028	ppbV		
40) Dibromomethane	5.657	93	724	0.034	ppbV	#	98
41) 1,2-dichloropropane	5.670	63	818	0.027	ppbV	#	96
42) bromodichloromethane	5.757	83	741	0.030	ppbV	#	94
43) 1,4-dioxane	5.850	88	1092	0.077	ppbV		88
44) trichloroethene	5.777	130	884	0.023	ppbV		98
45) 2,2,4-trimethylpentane	5.790	57	2494	0.028	ppbV		96
46) heptane	5.903	43	1134	0.027	ppbV		97
47) cis-1,3-dichloropropene	6.153	75	888	0.023	ppbV		98
48) 4-methyl-2-pentanone	6.207	43	1704	0.034	ppbV		97
49) trans-1,3-dichloropropene	6.387	75	658	0.024	ppbV	#	91
50) 1,1,2-trichloroethane	6.467	97	736	0.022	ppbV		97
52) toluene	6.587	91	2182	0.023	ppbV		99
54) 2-hexanone	6.733	43	2700	0.057	ppbV	#	81
55) dibromochloromethane	6.773	129	869	0.029	ppbV		96
56) 1,2-dibromoethane	6.887	107	912	0.022	ppbV		97
57) tetrachloroethene	7.087	166	1025	0.022	ppbV		97
58) 1,1,1,2-tetrachloroethane	7.380	131	744	0.024	ppbV		96
59) chlorobenzene	7.387	112	1942	0.023	ppbV		94
60) ethylbenzene	7.553	91	2519	0.021	ppbV		90
61) m+p-xylene	7.633	91	3984	0.043	ppbV		99
62) bromoform	7.673	173	679	0.028	ppbV		90
63) styrene	7.793	104	1914	0.022	ppbV		95
64) 1,1,2,2-tetrachloroethane	7.840	83	1410	0.021	ppbV		99
65) o-xylene	7.847	91	2072M4	0.022	ppbV		
66) 1,2,3-Trichloropropane	7.907	75	1095	0.022	ppbV	#	87
68) isopropylbenzene	8.120	105	2787	0.022	ppbV		96
69) Bromobenzene	8.167	77	1523	0.022	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229107_Ev2.D
Acq On : 6 Feb 2025 7:30 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD0.02
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:58:43 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

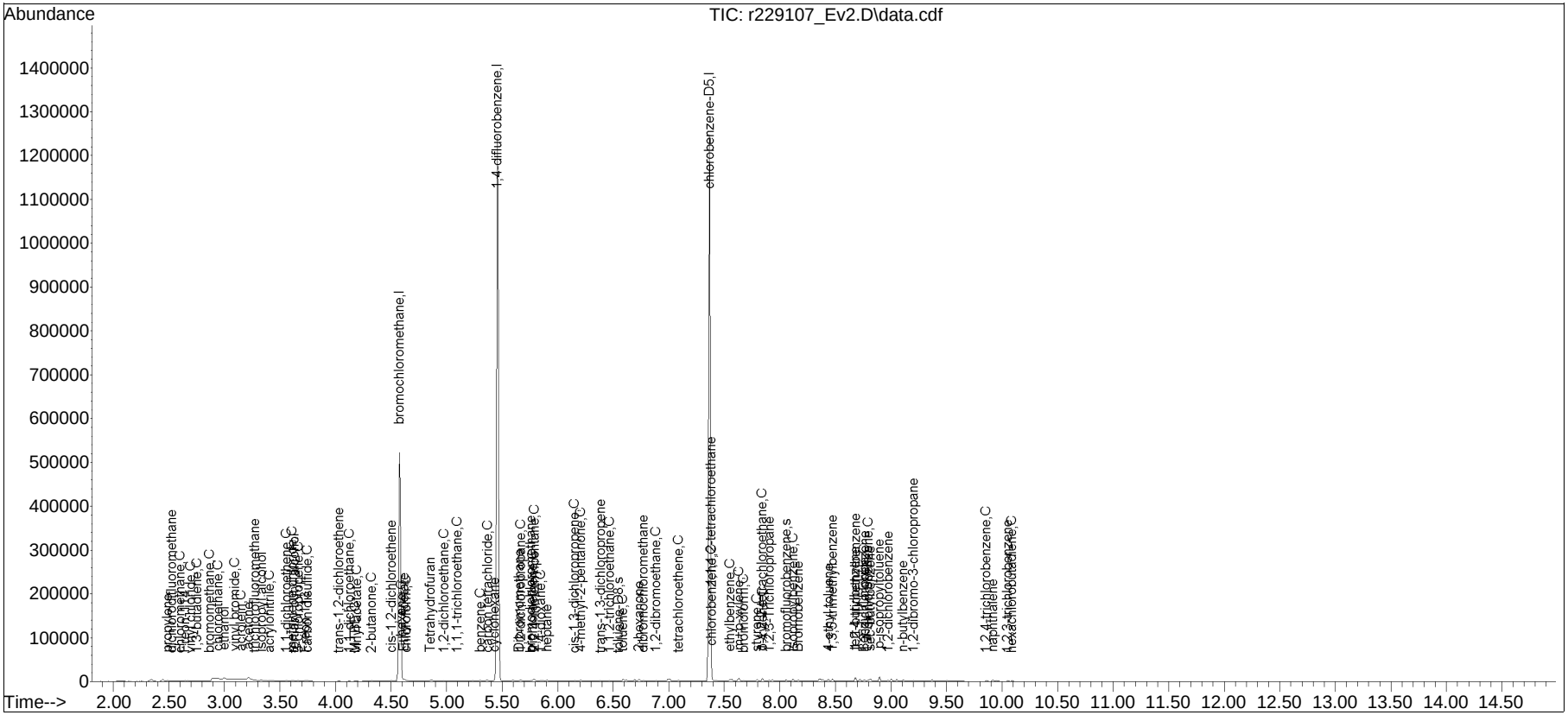
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	8.440	105	2610	0.027	ppbV	97
71) 1,3,5-trimethylbenzene	8.473	105	2413	0.021	ppbV	97
72) tert-butylbenzene	8.677	119	2480	0.023	ppbV	100
73) 1,2,4-trimethylbenzene	8.683	105	2382	0.021	ppbV	92
74) Benzyl Chloride	8.757	91	1155	0.025	ppbV	93
75) 1,3-dichlorobenzene	8.763	146	1897	0.022	ppbV #	90
76) 1,4-dichlorobenzene	8.797	146	1950	0.022	ppbV #	90
77) sec-butylbenzene	8.817	105	3543	0.021	ppbV	96
78) p-isopropyltoluene	8.897	119	2879	0.022	ppbV	98
79) 1,2-dichlorobenzene	8.977	146	1759	0.021	ppbV	98
80) n-butylbenzene	9.110	91	2324	0.020	ppbV	90
81) 1,2-dibromo-3-chloropr...	9.203	75	481M4	0.019	ppbV	
82) 1,2,4-trichlorobenzene	9.857	180	1344	0.019	ppbV #	88
83) naphthalene	9.918	128	3241	0.018	ppbV	98
84) 1,2,3-trichlorobenzene	10.053	180	907	0.013	ppbV	97
85) hexachlorobutadiene	10.090	225	895	0.018	ppbV #	92

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

Sub List : Default - All compounds listed2\0206SIM_I\r229113_Ev2.D

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229107_Ev2.D
Acq On : 6 Feb 2025 7:30 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD0.02
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:58:43 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

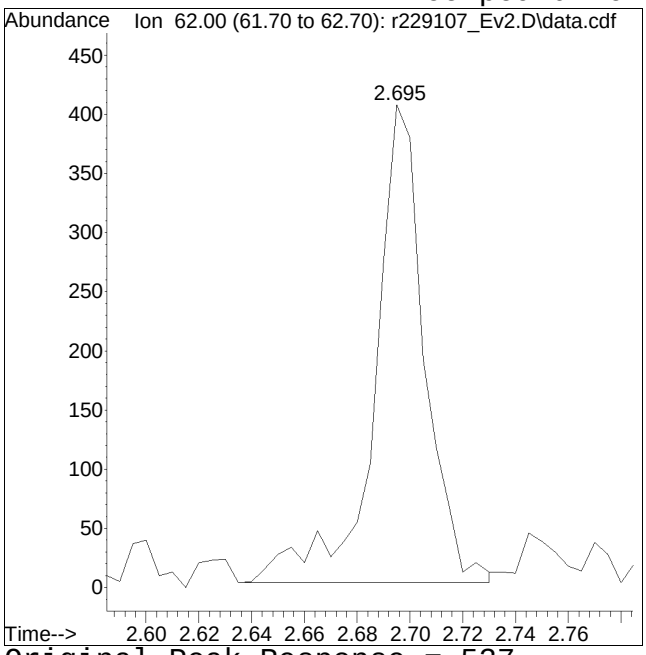


Manual Integration Report

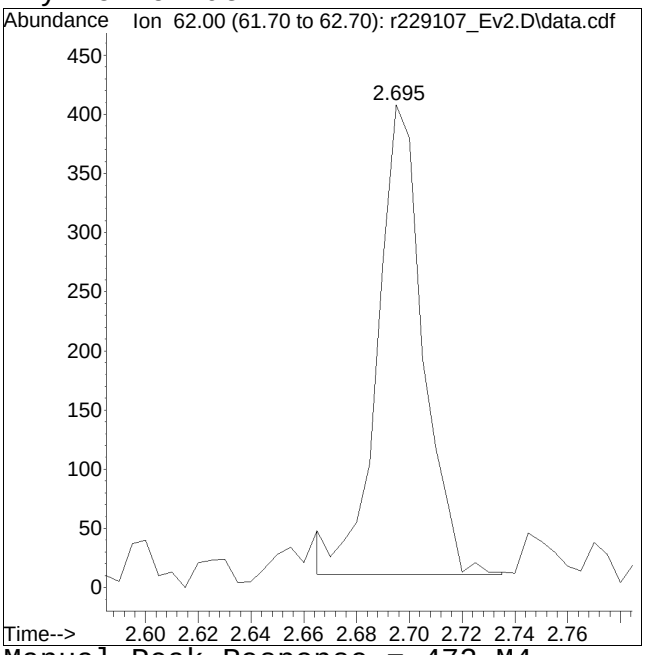
Data Path : X:\Airlab\Data\Airlab22\20Q
Data File : r229107_Ev2.D
Date Inj'd : 2/6/2025 7:30 PM
Sample : ITO15-SIMSTD0.02

Method : TSIM22_250206.M
Operator : AIRLAB22:APR
Instrument :
Quant Date : 2/7/2025 4:58 pm

Compound #6: vinyl chloride



Original Peak Response = 537



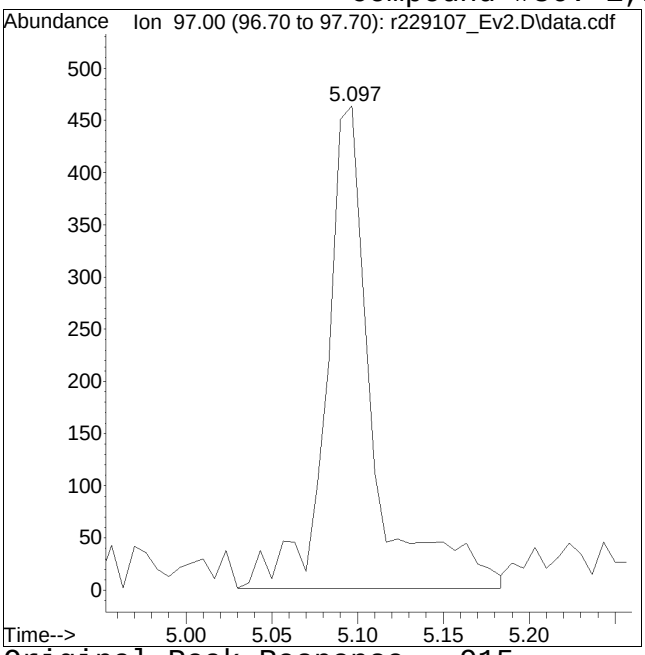
Manual Peak Response = 472 M4

M4 = Poor automated baseline construction.

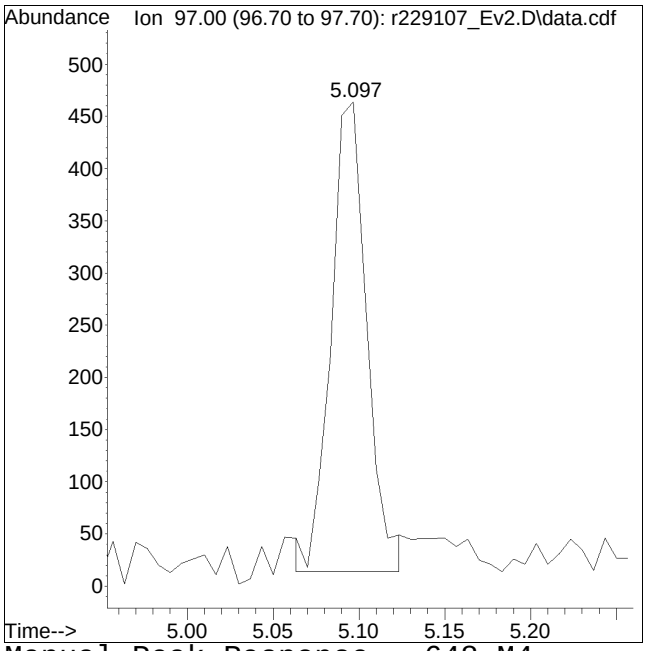
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab22\20QMethod : TSIM22_250206.M
Data File : r229107_Ev2.D Operator : AIRLAB22:APR
Date Inj'd : 2/6/2025 7:30 PM Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 2/7/2025 4:58 pm

Compound #36: 1,1,1-trichloroethane



Original Peak Response = 915



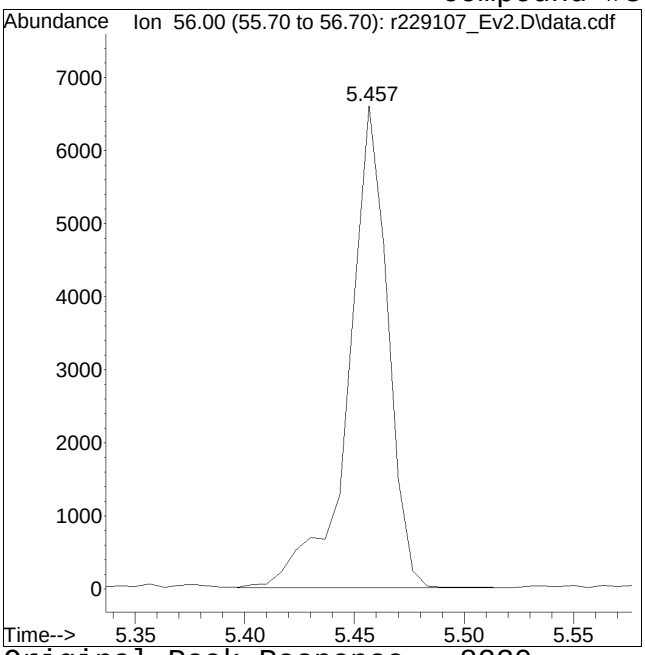
Manual Peak Response = 648 M4

M4 = Poor automated baseline construction.

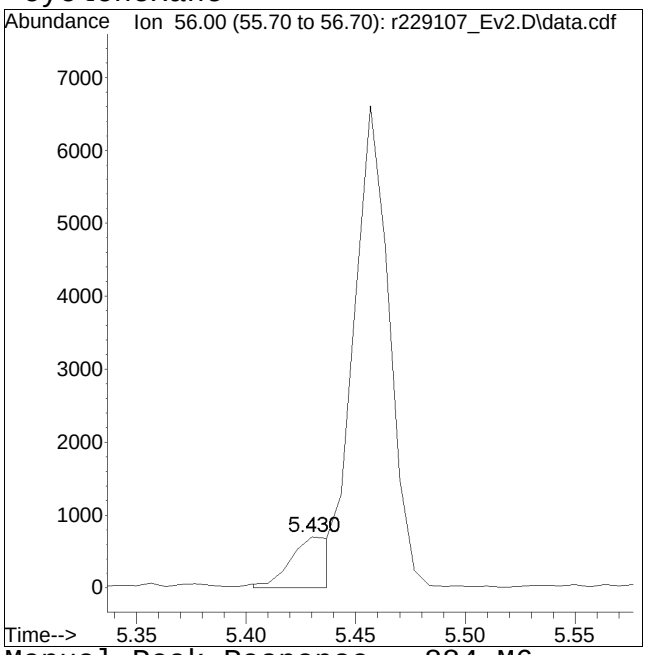
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab22\20QMethod : TSIM22_250206.M
Data File : r229107_Ev2.D Operator : AIRLAB22:APR
Date Inj'd : 2/6/2025 7:30 PM Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 2/7/2025 4:58 pm

Compound #39: cyclohexane



Original Peak Response = 8230



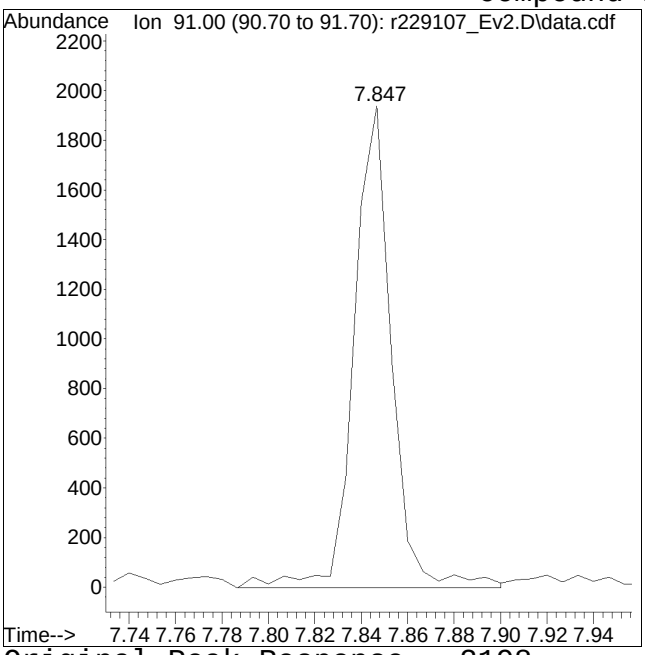
Manual Peak Response = 884 M6

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

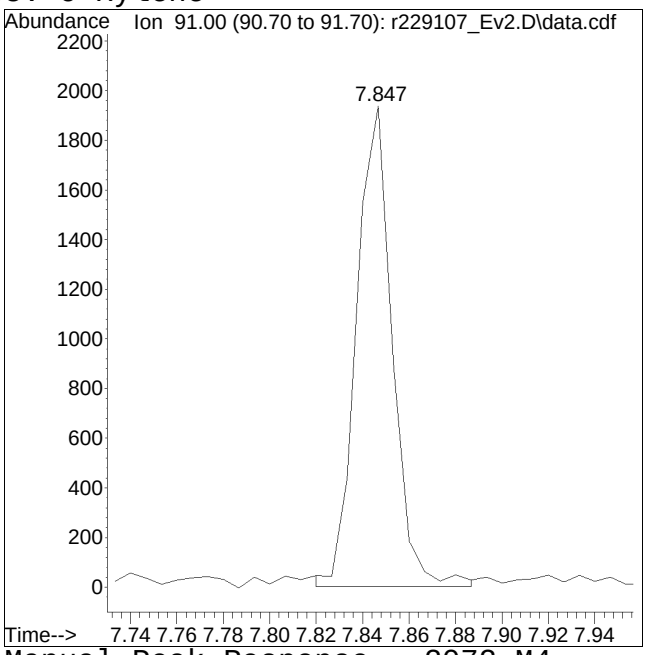
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab22\20QMethod : TSIM22_250206.M
Data File : r229107_Ev2.D Operator : AIRLAB22:APR
Date Inj'd : 2/6/2025 7:30 PM Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 2/7/2025 4:58 pm

Compound #65: o-xylene



Original Peak Response = 2198



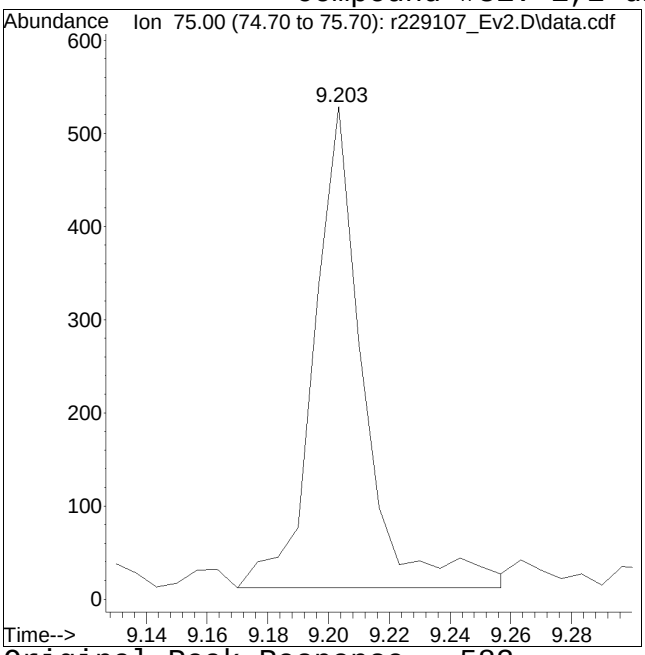
Manual Peak Response = 2072 M4

M4 = Poor automated baseline construction.

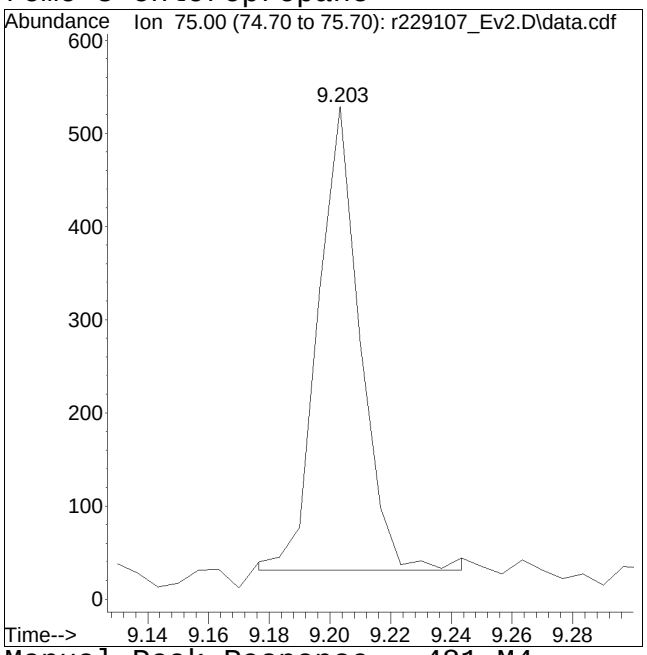
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab22\20QMethod : TSIM22_250206.M
Data File : r229107_Ev2.D Operator : AIRLAB22:APR
Date Inj'd : 2/6/2025 7:30 PM Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 2/7/2025 4:58 pm

Compound #81: 1,2-dibromo-3-chloropropane



Original Peak Response = 583



Manual Peak Response = 481 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229108_Ev2.D
Acq On : 6 Feb 2025 8:00 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD0.05
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:58:51 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	4.577	49	289768	10.000	ppbV	0.00
Standard Area = 314516			Recovery = 92.13%			
33) 1,4-difluorobenzene	5.457	114	928061	10.000	ppbV	0.00
Standard Area = 1018308			Recovery = 91.14%			
51) chlorobenzene-D5	7.367	54	93248	10.000	ppbV	0.00
Standard Area = 101278			Recovery = 92.07%			
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	6.547	98	420	0.005	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.05%#			
67) bromofluorobenzene	8.060	95	804	0.014	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.14%#			
Target Compounds						Qvalue
2) propylene	2.490	41	2072	0.086	ppbV	97
3) dichlorodifluoromethane	2.525	85	1517	0.048	ppbV	97
4) chloromethane	2.600	50	1013	0.059	ppbV	95
5) Freon-114	2.645	85	1889	0.053	ppbV	99
6) vinyl chloride	2.695	62	998	0.052	ppbV	90
7) 1,3-butadiene	2.755	54	841	0.075	ppbV	96
8) bromomethane	2.870	94	828	0.055	ppbV	98
9) chloroethane	2.941	64	555	0.056	ppbV #	89
10) ethanol	2.998	31	3363	0.313	ppbV	98
11) vinyl bromide	3.094	106	815	0.073	ppbV	97
12) acrolein	3.151	56	640	0.068	ppbV #	82
13) acetone	3.217	43	6384	0.408	ppbV #	98
14) trichlorofluoromethane	3.277	101	1182	0.057	ppbV	91
15) isopropyl alcohol	3.328	45	5065	0.224	ppbV #	97
16) acrylonitrile	3.406	53	2062	0.084	ppbV	99
17) 1,1-dichloroethene	3.555	61	1521	0.051	ppbV	98
18) tertiary butyl alcohol	3.625	59	1711	0.056	ppbV #	92
19) methylene chloride	3.610	49	1717	0.069	ppbV	94
20) 3-chloropropene	3.665	41	1865	0.067	ppbV	98
21) carbon disulfide	3.750	76	3915	0.074	ppbV #	22
22) Freon 113	3.730	101	2146	0.043	ppbV	100
23) trans-1,2-dichloroethene	4.033	61	1508	0.065	ppbV	92
24) 1,1-dichloroethane	4.120	63	2174	0.052	ppbV	97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229108_Ev2.D
Acq On : 6 Feb 2025 8:00 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD0.05
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:58:51 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) MTBE	4.180	73	3227	0.076	ppbV #	66
26) vinyl acetate	4.193	43	3105	0.089	ppbV	98
27) 2-butanone	4.323	43	3028	0.077	ppbV #	94
28) cis-1,2-dichloroethene	4.503	61	1527	0.051	ppbV	96
29) Ethyl Acetate	4.617	61	452	0.081	ppbV #	24
30) chloroform	4.637	83	1783	0.052	ppbV	98
31) Tetrahydrofuran	4.850	42	1728	0.073	ppbV	99
32) 1,2-dichloroethane	4.977	62	930	0.052	ppbV #	89
34) hexane	4.597	57	1979	0.072	ppbV #	11
36) 1,1,1-trichloroethane	5.097	97	1651	0.052	ppbV #	97
37) benzene	5.303	78	4578	0.055	ppbV	99
38) carbon tetrachloride	5.377	117	1215M4	0.054	ppbV	
39) cyclohexane	5.430	56	2586M4	0.082	ppbV	
40) Dibromomethane	5.663	93	1346	0.063	ppbV #	95
41) 1,2-dichloropropane	5.670	63	1612	0.054	ppbV	98
42) bromodichloromethane	5.757	83	1730	0.070	ppbV	97
43) 1,4-dioxane	5.830	88	1798	0.127	ppbV	93
44) trichloroethene	5.777	130	2052	0.054	ppbV	98
45) 2,2,4-trimethylpentane	5.790	57	6290	0.071	ppbV	100
46) heptane	5.903	43	2727	0.064	ppbV	99
47) cis-1,3-dichloropropene	6.153	75	2058	0.053	ppbV	96
48) 4-methyl-2-pentanone	6.200	43	3853	0.079	ppbV	97
49) trans-1,3-dichloropropene	6.387	75	1518	0.056	ppbV	96
50) 1,1,2-trichloroethane	6.467	97	1723	0.053	ppbV	98
52) toluene	6.587	91	5141	0.054	ppbV	100
54) 2-hexanone	6.727	43	5130M3	0.109	ppbV	
55) dibromochloromethane	6.773	129	2059	0.070	ppbV	99
56) 1,2-dibromoethane	6.887	107	2266	0.055	ppbV	99
57) tetrachloroethene	7.087	166	2505	0.055	ppbV	96
58) 1,1,1,2-tetrachloroethane	7.380	131	1716	0.056	ppbV	93
59) chlorobenzene	7.387	112	4608	0.056	ppbV	95
60) ethylbenzene	7.553	91	6187	0.053	ppbV	97
61) m+p-xylene	7.633	91	9703	0.105	ppbV	99
62) bromoform	7.673	173	1652	0.070	ppbV	99
63) styrene	7.793	104	4443	0.051	ppbV	97
64) 1,1,2,2-tetrachloroethane	7.840	83	3422	0.052	ppbV	99
65) o-xylene	7.847	91	4941	0.054	ppbV	93
66) 1,2,3-Trichloropropane	7.907	75	2707	0.055	ppbV	98
68) isopropylbenzene	8.120	105	6838	0.054	ppbV	96
69) Bromobenzene	8.167	77	3759	0.056	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229108_Ev2.D
Acq On : 6 Feb 2025 8:00 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD0.05
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:58:51 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

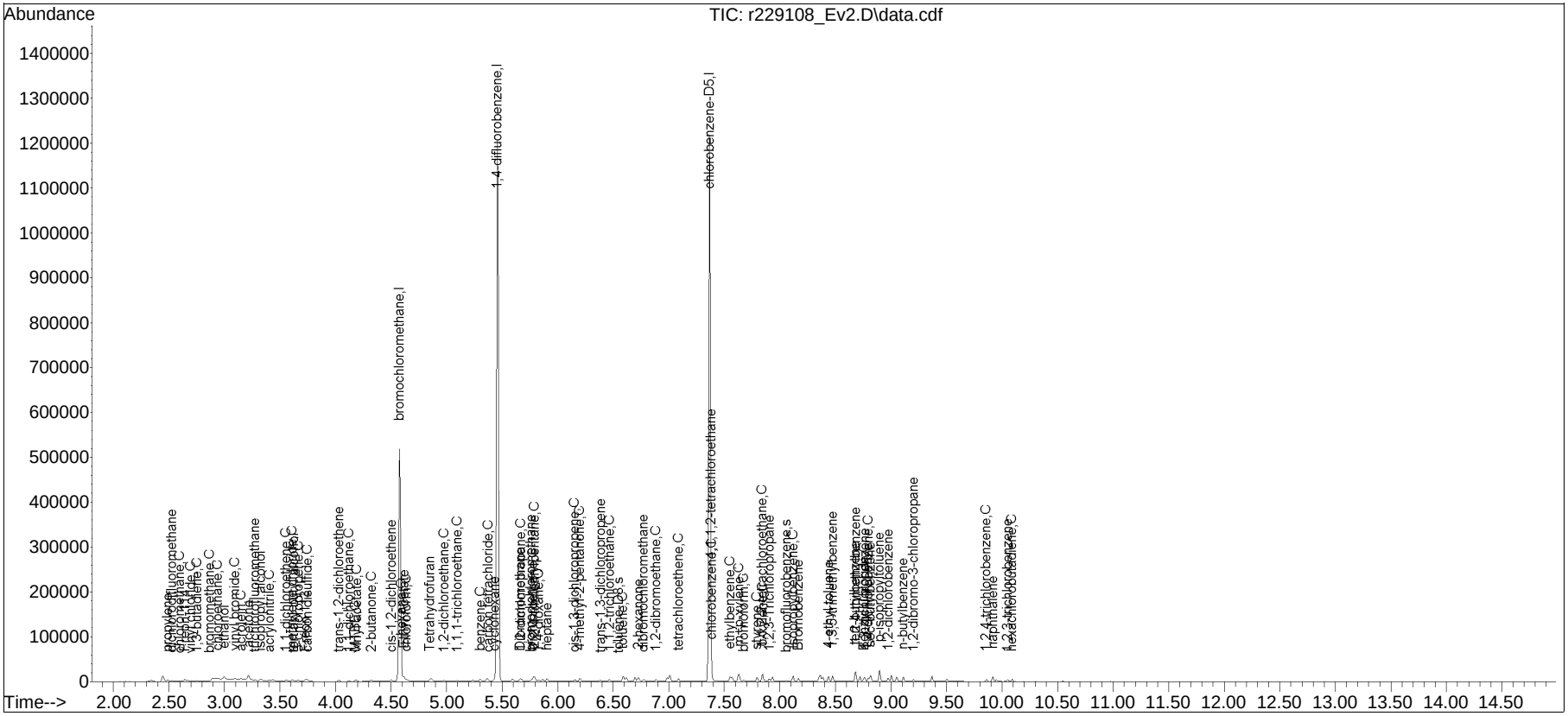
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
70) 4-ethyl toluene	8.440	105	6375	0.066	ppbV		98
71) 1,3,5-trimethylbenzene	8.473	105	5845	0.052	ppbV		97
72) tert-butylbenzene	8.677	119	5983	0.056	ppbV		98
73) 1,2,4-trimethylbenzene	8.683	105	5976	0.054	ppbV		92
74) Benzyl Chloride	8.757	91	2854	0.063	ppbV		94
75) 1,3-dichlorobenzene	8.763	146	4530	0.053	ppbV	#	90
76) 1,4-dichlorobenzene	8.797	146	4558	0.053	ppbV	#	90
77) sec-butylbenzene	8.817	105	8746	0.053	ppbV		94
78) p-isopropyltoluene	8.897	119	7206	0.055	ppbV		98
79) 1,2-dichlorobenzene	8.977	146	4329	0.053	ppbV		95
80) n-butylbenzene	9.110	91	5994	0.051	ppbV		89
81) 1,2-dibromo-3-chloropr...	9.203	75	1293	0.051	ppbV		95
82) 1,2,4-trichlorobenzene	9.857	180	3166	0.044	ppbV	#	92
83) naphthalene	9.918	128	7858	0.043	ppbV		99
84) 1,2,3-trichlorobenzene	10.053	180	2484	0.036	ppbV		96
85) hexachlorobutadiene	10.090	225	2405	0.048	ppbV	#	94

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

Sub List : Default - All compounds listed2\0206SIM_I\r229113_Ev2.D

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229108_Ev2.D
Acq On : 6 Feb 2025 8:00 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD0.05
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

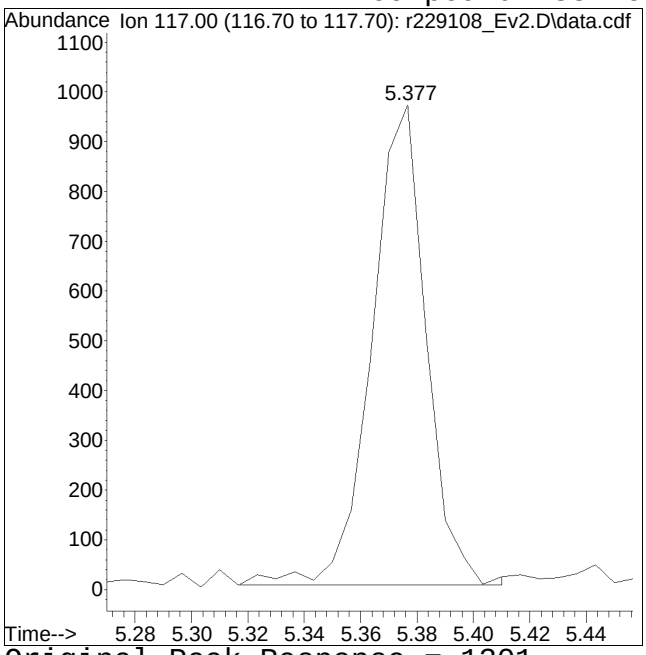
Quant Time: Feb 07 16:58:51 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration



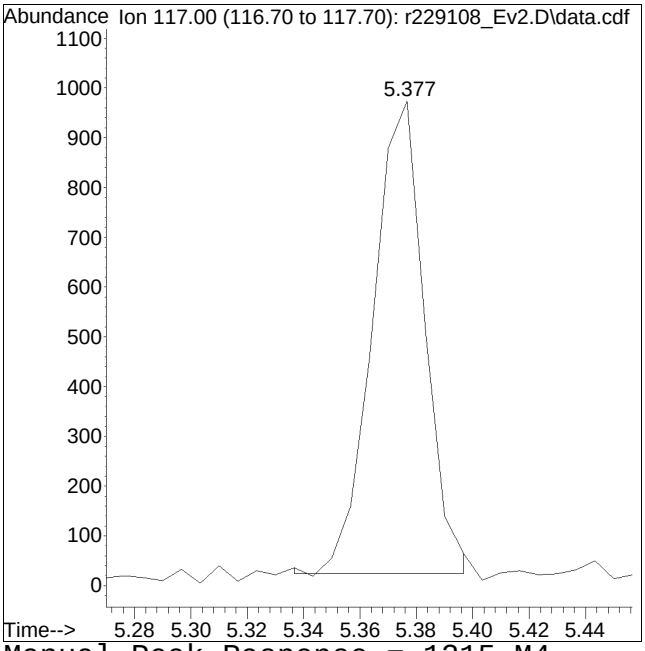
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab22\20QMethod : TSIM22_250206.M
Data File : r229108_Ev2.D Operator : AIRLAB22:APR
Date Inj'd : 2/6/2025 8:00 PM Instrument :
Sample : ITO15-SIMSTD0.05 Quant Date : 2/7/2025 4:58 pm

Compound #38: carbon tetrachloride



Original Peak Response = 1301



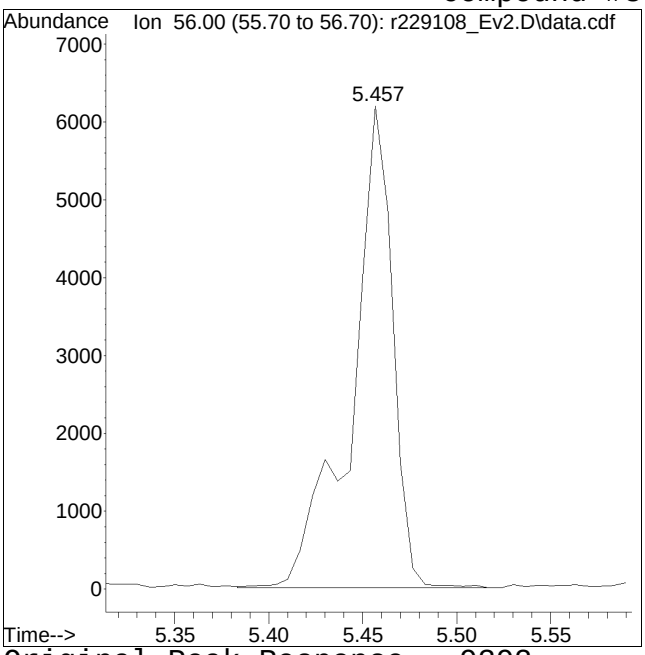
Manual Peak Response = 1215 M4

M4 = Poor automated baseline construction.

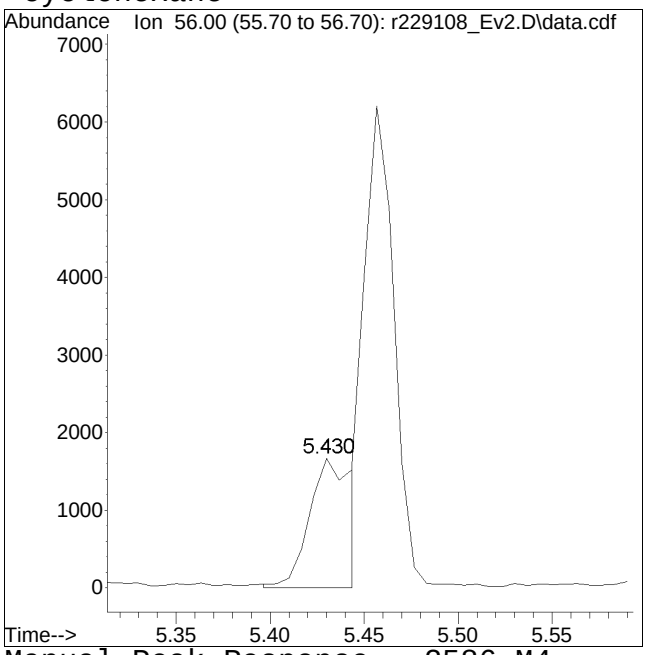
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab22\20QMethod : TSIM22_250206.M
Data File : r229108_Ev2.D Operator : AIRLAB22:APR
Date Inj'd : 2/6/2025 8:00 PM Instrument :
Sample : ITO15-SIMSTD0.05 Quant Date : 2/7/2025 4:58 pm

Compound #39: cyclohexane



Original Peak Response = 9392



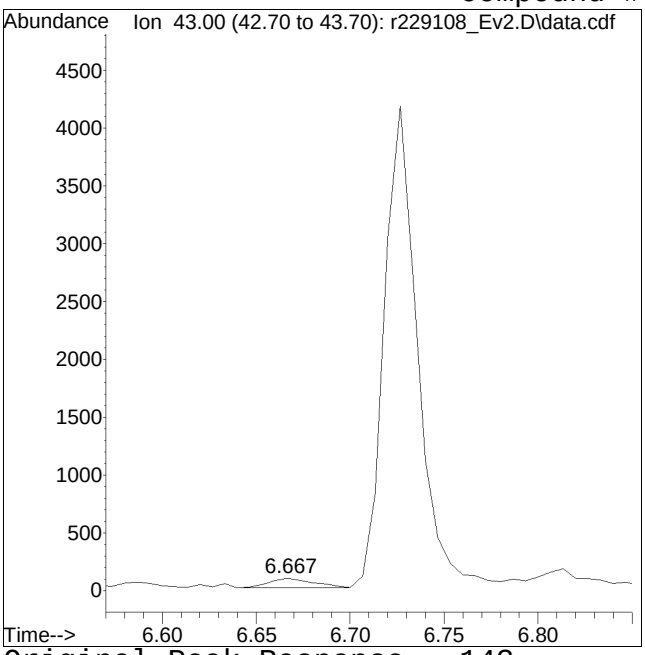
Manual Peak Response = 2586 M4

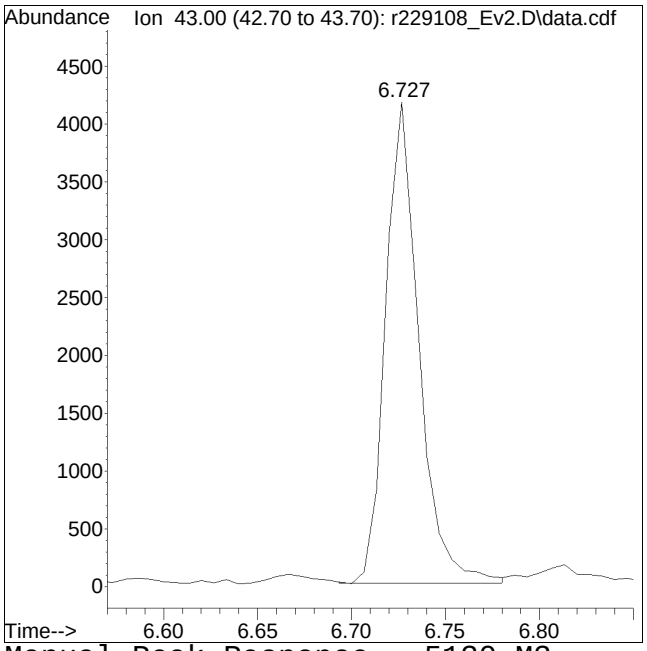
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab22\20QMethod : TSIM22_250206.M
Data File : r229108_Ev2.D Operator : AIRLAB22:APR
Date Inj'd : 2/6/2025 8:00 PM Instrument :
Sample : ITO15-SIMSTD0.05 Quant Date : 2/7/2025 4:58 pm

Compound #54: 2-hexanone





Original Peak Response = 143 Manual Peak Response = 5130 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\Airlab22\2025\02\0206SIM_I\
Data File : r229109_Ev2.D
Acq On : 6 Feb 2025 8:30 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD0.1
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:58:58 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	4.577	49	293593	10.000	ppbV	0.00
Standard Area = 314516			Recovery = 93.35%			
33) 1,4-difluorobenzene	5.457	114	938726	10.000	ppbV	0.00
Standard Area = 1018308			Recovery = 92.18%			
51) chlorobenzene-D5	7.367	54	96033	10.000	ppbV	0.00
Standard Area = 101278			Recovery = 94.82%			
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	0.000	95	0d	0.000	ppbV	
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
2) propylene	2.480	41	3674	0.150	ppbV	99
3) dichlorodifluoromethane	2.515	85	2872	0.089	ppbV	100
4) chloromethane	2.590	50	1716	0.098	ppbV	97
5) Freon-114	2.635	85	3526	0.098	ppbV	95
6) vinyl chloride	2.690	62	1769	0.091	ppbV	96
7) 1,3-butadiene	2.750	54	1522	0.134	ppbV	99
8) bromomethane	2.865	94	1621	0.106	ppbV	97
9) chloroethane	2.941	64	984	0.097	ppbV #	89
10) ethanol	2.992	31	6193	0.569	ppbV	98
11) vinyl bromide	3.091	106	1630	0.143	ppbV	100
12) acrolein	3.142	56	1137	0.120	ppbV #	82
13) acetone	3.208	43	11578	0.730	ppbV #	99
14) trichlorofluoromethane	3.271	101	2074	0.099	ppbV	97
15) isopropyl alcohol	3.319	45	9369	0.408	ppbV	98
16) acrylonitrile	3.403	53	3089	0.125	ppbV	98
17) 1,1-dichloroethene	3.555	61	3024	0.100	ppbV	94
18) tertiary butyl alcohol	3.610	59	3241	0.105	ppbV #	97
19) methylene chloride	3.605	49	3032	0.120	ppbV	95
20) 3-chloropropene	3.660	41	3687	0.130	ppbV	99
21) carbon disulfide	3.745	76	7666	0.143	ppbV #	57
22) Freon 113	3.725	101	4844	0.096	ppbV	98
23) trans-1,2-dichloroethene	4.027	61	3052	0.130	ppbV	97
24) 1,1-dichloroethane	4.120	63	4258	0.100	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229109_Ev2.D
Acq On : 6 Feb 2025 8:30 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD0.1
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:58:58 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	4.167	73	5596	0.130	ppbV	#	92
26) vinyl acetate	4.187	43	5277M6	0.150	ppbV		
27) 2-butanone	4.317	43	5652	0.141	ppbV	#	91
28) cis-1,2-dichloroethene	4.497	61	3044	0.100	ppbV		96
29) Ethyl Acetate	4.610	61	757	0.133	ppbV	#	32
30) chloroform	4.637	83	3531	0.102	ppbV		98
31) Tetrahydrofuran	4.843	42	3255	0.135	ppbV		98
32) 1,2-dichloroethane	4.970	62	1892	0.104	ppbV		95
34) hexane	4.597	57	3980	0.143	ppbV	#	35
36) 1,1,1-trichloroethane	5.090	97	2988	0.094	ppbV		96
37) benzene	5.303	78	8936	0.107	ppbV		100
38) carbon tetrachloride	5.370	117	2499	0.110	ppbV		96
39) cyclohexane	5.430	56	4746	0.148	ppbV		96
40) Dibromomethane	5.657	93	2534	0.117	ppbV	#	97
41) 1,2-dichloropropane	5.670	63	3134	0.104	ppbV	#	95
42) bromodichloromethane	5.757	83	3433	0.137	ppbV		99
43) 1,4-dioxane	5.810	88	2406	0.168	ppbV		90
44) trichloroethene	5.777	130	4222	0.111	ppbV		99
45) 2,2,4-trimethylpentane	5.790	57	12437	0.138	ppbV		99
46) heptane	5.903	43	5503	0.129	ppbV		98
47) cis-1,3-dichloropropene	6.153	75	4188	0.106	ppbV		98
48) 4-methyl-2-pentanone	6.193	43	6999	0.141	ppbV	#	95
49) trans-1,3-dichloropropene	6.387	75	2981	0.109	ppbV		95
50) 1,1,2-trichloroethane	6.467	97	3404	0.103	ppbV		97
52) toluene	6.587	91	10208	0.104	ppbV		100
54) 2-hexanone	6.713	43	7210	0.149	ppbV	#	77
55) dibromochloromethane	6.780	129	4185	0.138	ppbV		98
56) 1,2-dibromoethane	6.887	107	4477	0.105	ppbV		96
57) tetrachloroethene	7.087	166	4879	0.104	ppbV		96
58) 1,1,1,2-tetrachloroethane	7.380	131	3381	0.107	ppbV		99
59) chlorobenzene	7.387	112	8924	0.105	ppbV		96
60) ethylbenzene	7.553	91	12168	0.102	ppbV		94
61) m+p-xylene	7.633	91	19711	0.208	ppbV		99
62) bromoform	7.673	173	3113	0.127	ppbV		99
63) styrene	7.793	104	8956	0.101	ppbV		97
64) 1,1,2,2-tetrachloroethane	7.840	83	6613	0.098	ppbV		98
65) o-xylene	7.847	91	9878	0.105	ppbV		97
66) 1,2,3-Trichloropropane	7.907	75	5329	0.105	ppbV		98
68) isopropylbenzene	8.120	105	13708	0.105	ppbV		99
69) Bromobenzene	8.167	77	7594	0.110	ppbV		97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229109_Ev2.D
Acq On : 6 Feb 2025 8:30 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD0.1
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:58:58 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

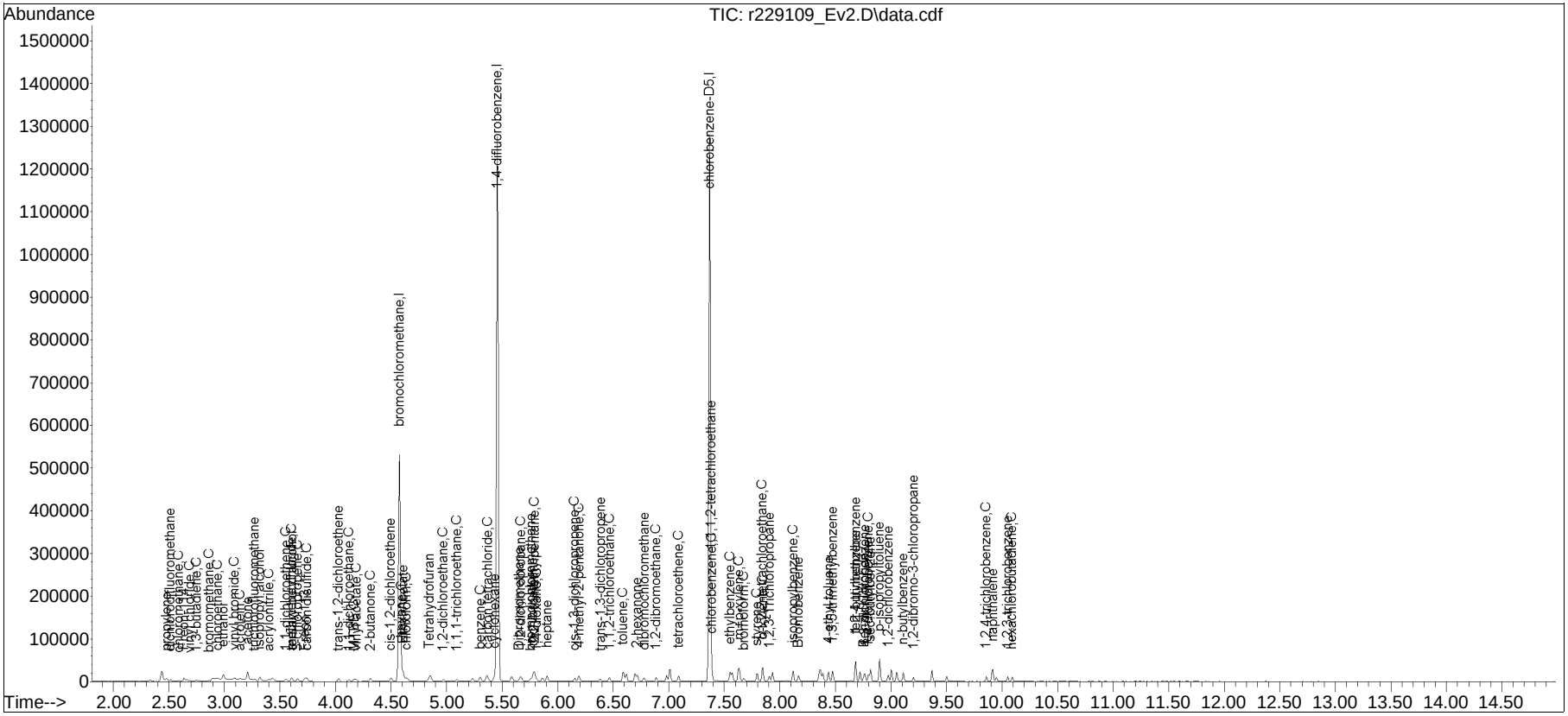
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
70) 4-ethyl toluene	8.440	105	13103	0.133	ppbV		100
71) 1,3,5-trimethylbenzene	8.473	105	11431	0.098	ppbV		97
72) tert-butylbenzene	8.683	119	11947	0.108	ppbV		100
73) 1,2,4-trimethylbenzene	8.683	105	11958	0.105	ppbV		94
74) Benzyl Chloride	8.757	91	5577	0.120	ppbV		94
75) 1,3-dichlorobenzene	8.763	146	9015	0.103	ppbV	#	91
76) 1,4-dichlorobenzene	8.797	146	8925	0.100	ppbV	#	90
77) sec-butylbenzene	8.817	105	17513	0.104	ppbV		94
78) p-isopropyltoluene	8.897	119	14705	0.108	ppbV		100
79) 1,2-dichlorobenzene	8.977	146	8408	0.101	ppbV		96
80) n-butylbenzene	9.110	91	12256	0.101	ppbV		91
81) 1,2-dibromo-3-chloropr...	9.203	75	2626	0.100	ppbV		95
82) 1,2,4-trichlorobenzene	9.857	180	6800	0.092	ppbV	#	93
83) naphthalene	9.918	128	18495	0.098	ppbV		99
84) 1,2,3-trichlorobenzene	10.053	180	6357	0.090	ppbV		96
85) hexachlorobutadiene	10.090	225	5044	0.098	ppbV	#	93

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

Sub List : Default - All compounds listed2\0206SIM_I\r229113_Ev2.D

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229109_Ev2.D
Acq On : 6 Feb 2025 8:30 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD0.1
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

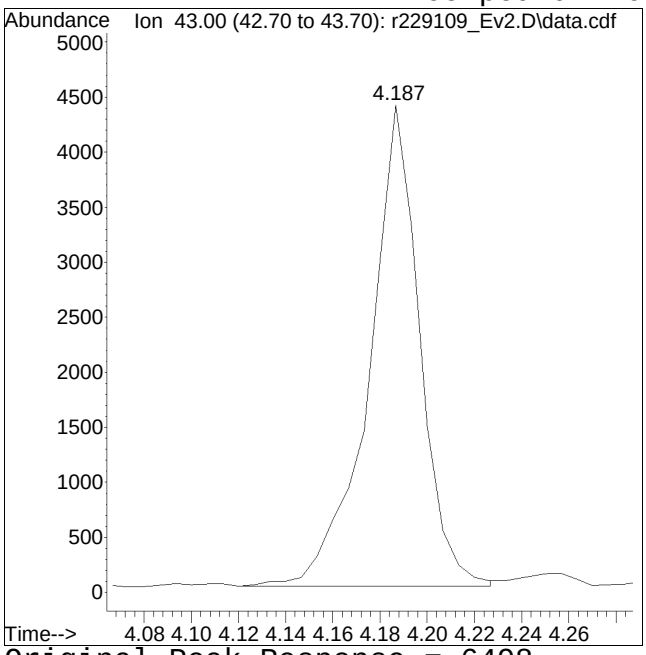
Quant Time: Feb 07 16:58:58 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration



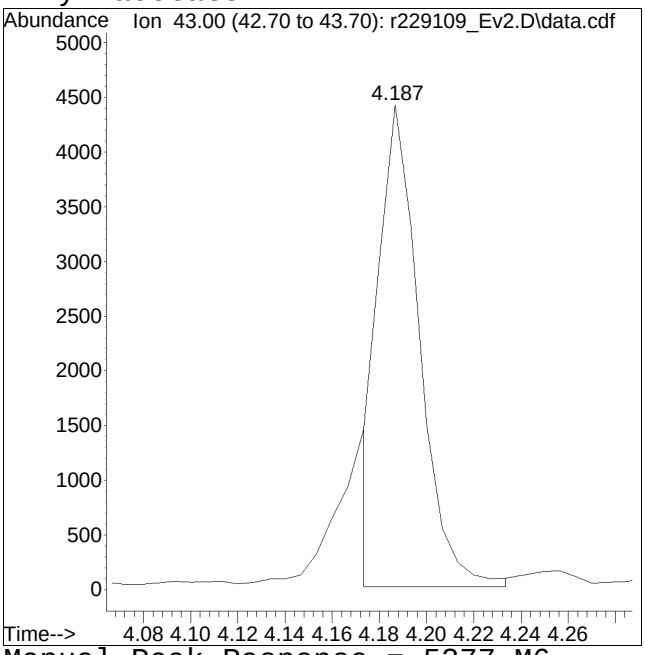
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab22\20QMethod : TSIM22_250206.M
Data File : r229109_Ev2.D Operator : AIRLAB22:APR
Date Inj'd : 2/6/2025 8:30 PM Instrument :
Sample : ITO15-SIMSTD0.1 Quant Date : 2/7/2025 4:58 pm

Compound #26: vinyl acetate



Original Peak Response = 6498



Manual Peak Response = 5277 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229110_Ev2.D
Acq On : 6 Feb 2025 9:00 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD0.2
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:59:06 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	4.577	49	294519	10.000	ppbV	0.00
Standard Area = 314516			Recovery = 93.64%			
33) 1,4-difluorobenzene	5.457	114	941562	10.000	ppbV	0.00
Standard Area = 1018308			Recovery = 92.46%			
51) chlorobenzene-D5	7.367	54	97185	10.000	ppbV	0.00
Standard Area = 101278			Recovery = 95.96%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	4.923	65	179412	10.300	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.00%			
53) toluene-D8	6.547	98	858312	9.690	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.90%			
67) bromofluorobenzene	8.060	95	601854	9.903	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.03%			
Target Compounds						Qvalue
2) propylene	2.480	41	7307	0.298	ppbV	97
3) dichlorodifluoromethane	2.515	85	6563	0.204	ppbV	98
4) chloromethane	2.590	50	4042	0.231	ppbV	99
5) Freon-114	2.635	85	8306	0.229	ppbV	96
6) vinyl chloride	2.690	62	4357	0.223	ppbV	97
7) 1,3-butadiene	2.750	54	3592	0.315	ppbV	96
8) bromomethane	2.865	94	3725	0.242	ppbV	99
9) chloroethane	2.938	64	2357	0.232	ppbV	98
10) ethanol	2.989	31	14300	1.309	ppbV	98
11) vinyl bromide	3.091	106	3578	0.313	ppbV	99
12) acrolein	3.142	56	2392	0.251	ppbV #	83
13) acetone	3.205	43	26254	1.650	ppbV #	100
14) trichlorofluoromethane	3.274	101	4947	0.235	ppbV	96
15) isopropyl alcohol	3.319	45	19363	0.841	ppbV	99
16) acrylonitrile	3.400	53	6284	0.253	ppbV	98
17) 1,1-dichloroethene	3.555	61	6736	0.222	ppbV	96
18) tertiary butyl alcohol	3.605	59	6711	0.217	ppbV #	96
19) methylene chloride	3.605	49	6207	0.246	ppbV	96
20) 3-chloropropene	3.660	41	8334	0.294	ppbV	99
21) carbon disulfide	3.745	76	16546	0.307	ppbV #	81
22) Freon 113	3.725	101	9450	0.187	ppbV	100
23) trans-1,2-dichloroethene	4.027	61	6906	0.294	ppbV	96
24) 1,1-dichloroethane	4.120	63	9606	0.224	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229110_Ev2.D
Acq On : 6 Feb 2025 9:00 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD0.2
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:59:06 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	4.167	73	13820	0.320	ppbV	#	95
26) vinyl acetate	4.187	43	9920M6	0.280	ppbV		
27) 2-butanone	4.310	43	12485	0.311	ppbV		99
28) cis-1,2-dichloroethene	4.497	61	6840	0.223	ppbV		97
29) Ethyl Acetate	4.610	61	1696	0.298	ppbV	#	25
30) chloroform	4.637	83	7831	0.226	ppbV		100
31) Tetrahydrofuran	4.837	42	7211	0.298	ppbV		97
32) 1,2-dichloroethane	4.970	62	4641	0.255	ppbV		97
34) hexane	4.597	57	8732	0.313	ppbV	#	56
36) 1,1,1-trichloroethane	5.090	97	7452	0.233	ppbV		97
37) benzene	5.303	78	19536	0.233	ppbV		100
38) carbon tetrachloride	5.370	117	5628	0.248	ppbV		96
39) cyclohexane	5.430	56	9883	0.308	ppbV		97
40) Dibromomethane	5.657	93	5338	0.247	ppbV	#	97
41) 1,2-dichloropropane	5.670	63	6945	0.229	ppbV		97
42) bromodichloromethane	5.757	83	7652	0.304	ppbV		99
43) 1,4-dioxane	5.810	88	5006	0.350	ppbV		93
44) trichloroethene	5.777	130	8996	0.235	ppbV		99
45) 2,2,4-trimethylpentane	5.790	57	27929	0.309	ppbV		99
46) heptane	5.903	43	12041	0.280	ppbV		98
47) cis-1,3-dichloropropene	6.153	75	9248	0.233	ppbV		96
48) 4-methyl-2-pentanone	6.193	43	15621	0.314	ppbV		97
49) trans-1,3-dichloropropene	6.387	75	6550	0.239	ppbV		97
50) 1,1,2-trichloroethane	6.467	97	7458	0.224	ppbV		100
52) toluene	6.587	91	22524	0.226	ppbV		99
54) 2-hexanone	6.720	43	16647	0.341	ppbV	#	80
55) dibromochloromethane	6.780	129	8927	0.292	ppbV		98
56) 1,2-dibromoethane	6.887	107	9660	0.224	ppbV		100
57) tetrachloroethene	7.087	166	10484	0.221	ppbV		97
58) 1,1,1,2-tetrachloroethane	7.380	131	7455	0.232	ppbV		97
59) chlorobenzene	7.387	112	19713	0.229	ppbV		95
60) ethylbenzene	7.553	91	27047	0.223	ppbV		97
61) m+p-xylene	7.633	91	43372	0.451	ppbV		100
62) bromoform	7.673	173	6848	0.276	ppbV		99
63) styrene	7.793	104	19088	0.212	ppbV		96
64) 1,1,2,2-tetrachloroethane	7.840	83	14644	0.215	ppbV		99
65) o-xylene	7.847	91	21946	0.230	ppbV		98
66) 1,2,3-Trichloropropane	7.907	75	11624	0.225	ppbV		99
68) isopropylbenzene	8.120	105	30205	0.230	ppbV		98
69) Bromobenzene	8.167	77	16278	0.232	ppbV		97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229110_Ev2.D
Acq On : 6 Feb 2025 9:00 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD0.2
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:59:06 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

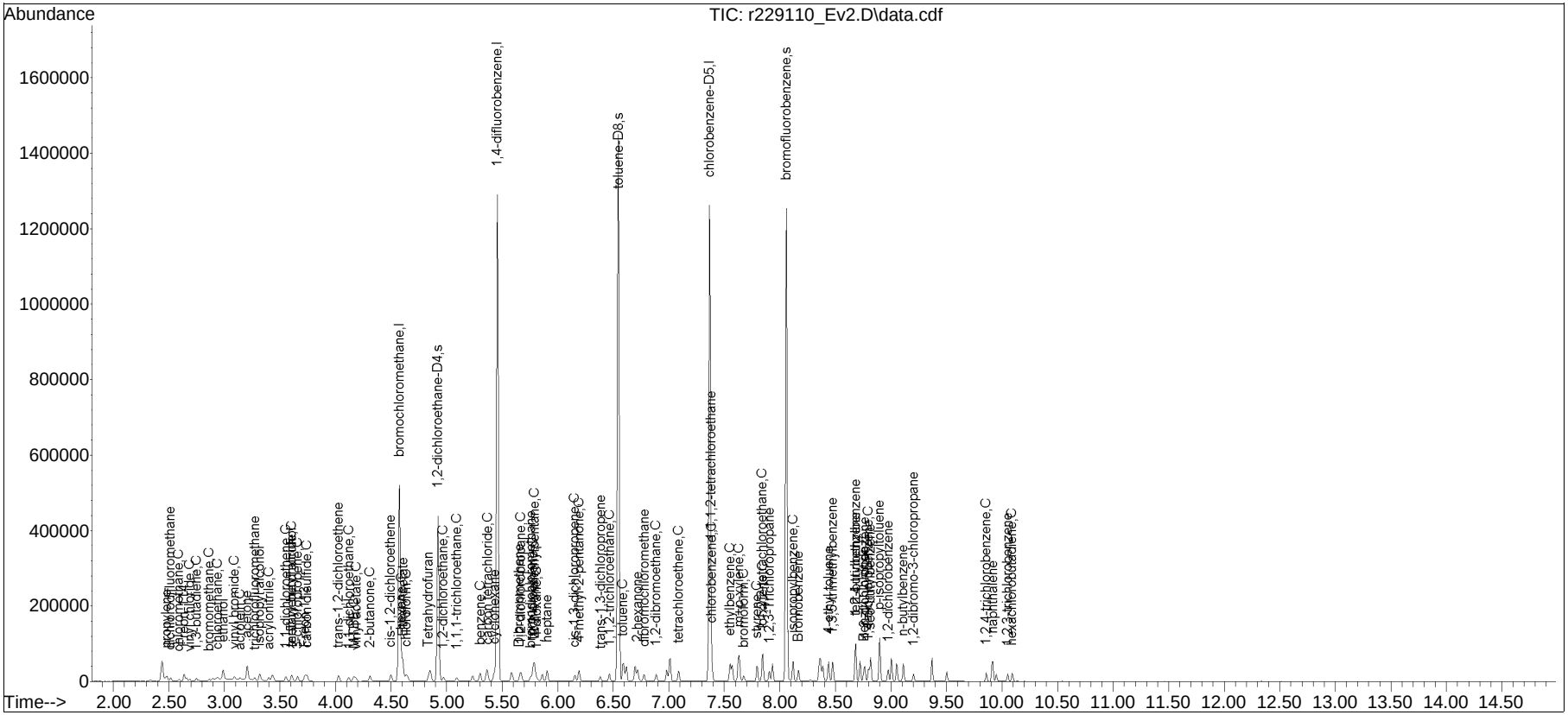
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
70) 4-ethyl toluene	8.440	105	29200	0.292	ppbV		99
71) 1,3,5-trimethylbenzene	8.473	105	25450	0.216	ppbV		95
72) tert-butylbenzene	8.683	119	26227	0.234	ppbV		100
73) 1,2,4-trimethylbenzene	8.683	105	26182	0.227	ppbV		94
74) Benzyl Chloride	8.757	91	12354	0.263	ppbV		96
75) 1,3-dichlorobenzene	8.763	146	19320	0.218	ppbV	#	90
76) 1,4-dichlorobenzene	8.797	146	18911	0.210	ppbV	#	88
77) sec-butylbenzene	8.817	105	38621	0.227	ppbV		96
78) p-isopropyltoluene	8.897	119	32328	0.235	ppbV		99
79) 1,2-dichlorobenzene	8.977	146	18164	0.215	ppbV		96
80) n-butylbenzene	9.110	91	27209	0.221	ppbV		91
81) 1,2-dibromo-3-chloropr...	9.203	75	5726	0.216	ppbV		93
82) 1,2,4-trichlorobenzene	9.857	180	13267	0.178	ppbV	#	94
83) naphthalene	9.918	128	34506	0.181	ppbV		98
84) 1,2,3-trichlorobenzene	10.053	180	11504	0.161	ppbV	#	95
85) hexachlorobutadiene	10.090	225	10197	0.197	ppbV	#	94

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

Sub List : Default - All compounds listed2\0206SIM_I\r229113_Ev2.D

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229110_Ev2.D
Acq On : 6 Feb 2025 9:00 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD0.2
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:59:06 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

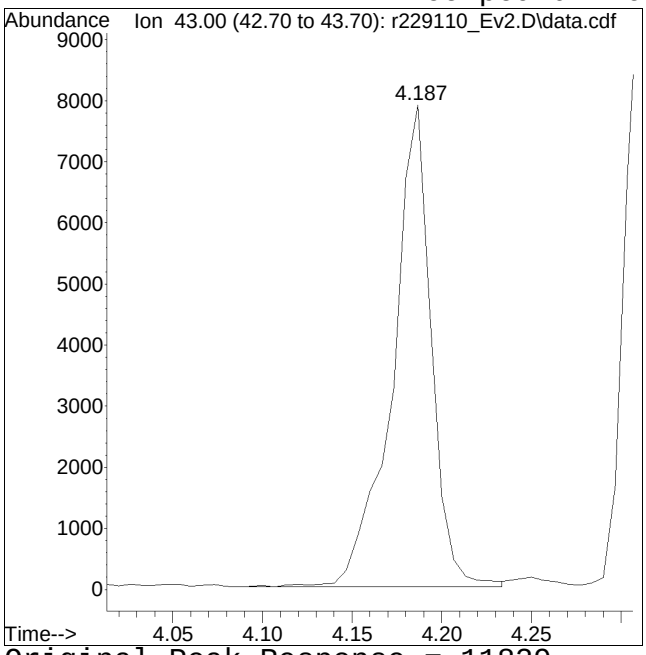


Manual Integration Report

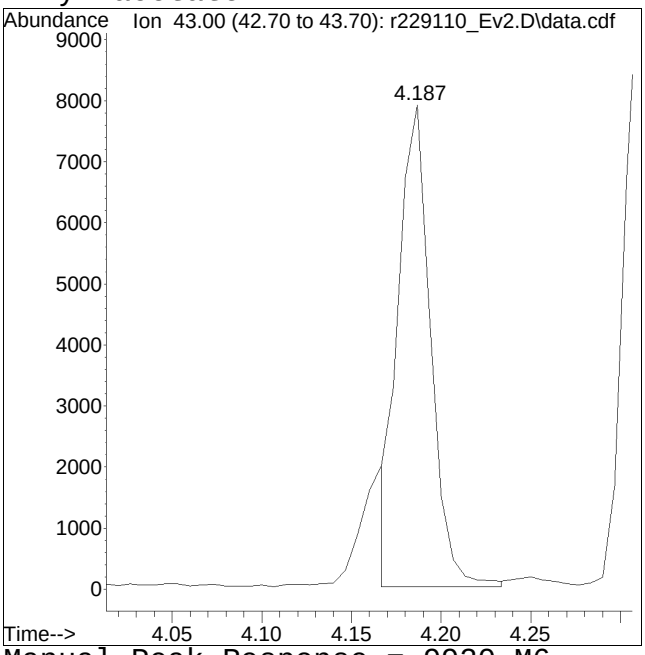
Data Path : X:\Airlab\Data\Airlab22\20Q
Data File : r229110_Ev2.D
Date Inj'd : 2/6/2025 9:00 PM
Sample : ITO15-SIMSTD0.2

Method : TSIM22_250206.M
Operator : AIRLAB22:APR
Instrument :
Quant Date : 2/7/2025 4:59 pm

Compound #26: vinyl acetate



Original Peak Response = 11829



Manual Peak Response = 9920 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229111_Ev2.D
Acq On : 7 Feb 2025 12:17 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD0.5
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:59:14 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	4.570	49	300842	10.000	ppbV	0.00
Standard Area = 314516			Recovery = 95.65%			
33) 1,4-difluorobenzene	5.443	114	972242	10.000	ppbV	-0.01
Standard Area = 1018308			Recovery = 95.48%			
51) chlorobenzene-D5	7.353	54	97221	10.000	ppbV	-0.01
Standard Area = 101278			Recovery = 95.99%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	4.917	65	180018	10.009	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.09%			
53) toluene-D8	6.527	98	902553	10.185	ppbV	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.85%			
67) bromofluorobenzene	8.040	95	636370	10.467	ppbV	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.67%			
Target Compounds						Qvalue
2) propylene	2.475	41	19381	0.774	ppbV	99
3) dichlorodifluoromethane	2.510	85	19018	0.578	ppbV	99
4) chloromethane	2.590	50	10667	0.597	ppbV	99
5) Freon-114	2.635	85	22288	0.602	ppbV	100
6) vinyl chloride	2.685	62	11969	0.598	ppbV	100
7) 1,3-butadiene	2.745	54	9073	0.780	ppbV	100
8) bromomethane	2.860	94	9402	0.599	ppbV	100
9) chloroethane	2.935	64	6241	0.602	ppbV	99
10) ethanol	2.983	31	34723	3.112	ppbV	98
11) vinyl bromide	3.085	106	9115	0.781	ppbV	100
12) acrolein	3.136	56	6099	0.626	ppbV #	1
13) acetone	3.196	43	67687	4.166	ppbV	100
14) trichlorofluoromethane	3.268	101	12691	0.590	ppbV	99
15) isopropyl alcohol	3.310	45	47606	2.024	ppbV	100
16) acrylonitrile	3.394	53	15650	0.616	ppbV	97
17) 1,1-dichloroethene	3.545	61	18132	0.584	ppbV	99
18) tertiary butyl alcohol	3.595	59	14533	0.460	ppbV	98
19) methylene chloride	3.600	49	15415	0.597	ppbV	98
20) 3-chloropropene	3.655	41	22283	0.769	ppbV	100
21) carbon disulfide	3.740	76	43420	0.788	ppbV #	94
22) Freon 113	3.720	101	24827	0.482	ppbV	99
23) trans-1,2-dichloroethene	4.020	61	18662	0.777	ppbV	94
24) 1,1-dichloroethane	4.113	63	25590	0.584	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229111_Ev2.D
Acq On : 7 Feb 2025 12:17 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD0.5
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:59:14 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	4.153	73	31769	0.720	ppbV		98
26) vinyl acetate	4.180	43	26287M6	0.728	ppbV		
27) 2-butanone	4.297	43	32293	0.787	ppbV		100
28) cis-1,2-dichloroethene	4.490	61	18460	0.590	ppbV		98
29) Ethyl Acetate	4.597	61	4096	0.704	ppbV		57
30) chloroform	4.623	83	20702	0.585	ppbV		99
31) Tetrahydrofuran	4.823	42	19173	0.776	ppbV		94
32) 1,2-dichloroethane	4.963	62	11422	0.614	ppbV		100
34) hexane	4.590	57	22598	0.785	ppbV		91
36) 1,1,1-trichloroethane	5.083	97	17171	0.519	ppbV		98
37) benzene	5.290	78	50843	0.588	ppbV		98
38) carbon tetrachloride	5.357	117	13875	0.592	ppbV		97
39) cyclohexane	5.417	56	32202	0.971	ppbV		94
40) Dibromomethane	5.643	93	14046	0.628	ppbV	#	99
41) 1,2-dichloropropane	5.657	63	18673	0.596	ppbV		98
42) bromodichloromethane	5.743	83	20280	0.781	ppbV		100
43) 1,4-dioxane	5.783	88	12313	0.833	ppbV		89
44) trichloroethene	5.763	130	23567	0.597	ppbV		100
45) 2,2,4-trimethylpentane	5.777	57	73273	0.785	ppbV		99
46) heptane	5.883	43	31867	0.719	ppbV		95
47) cis-1,3-dichloropropene	6.140	75	23814	0.582	ppbV		99
48) 4-methyl-2-pentanone	6.167	43	39683	0.773	ppbV		98
49) trans-1,3-dichloropropene	6.367	75	16302	0.575	ppbV		98
50) 1,1,2-trichloroethane	6.447	97	20364	0.593	ppbV		99
52) toluene	6.573	91	59691	0.598	ppbV		100
54) 2-hexanone	6.693	43	38857	0.795	ppbV	#	79
55) dibromochloromethane	6.760	129	23411	0.765	ppbV		99
56) 1,2-dibromoethane	6.867	107	25311	0.587	ppbV		100
57) tetrachloroethene	7.073	166	28302	0.595	ppbV		99
58) 1,1,1,2-tetrachloroethane	7.367	131	19534	0.608	ppbV		100
59) chlorobenzene	7.373	112	51255	0.595	ppbV		99
60) ethylbenzene	7.533	91	71750	0.592	ppbV		99
61) m+p-xylene	7.613	91	115892	1.206	ppbV		98
62) bromoform	7.660	173	18602	0.751	ppbV		99
63) styrene	7.780	104	51713	0.574	ppbV		99
64) 1,1,2,2-tetrachloroethane	7.827	83	40322	0.591	ppbV		100
65) o-xylene	7.833	91	58227	0.611	ppbV		98
66) 1,2,3-Trichloropropane	7.887	75	30444	0.590	ppbV		99
68) isopropylbenzene	8.107	105	79272	0.602	ppbV		97
69) Bromobenzene	8.153	77	41997	0.598	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229111_Ev2.D
Acq On : 7 Feb 2025 12:17 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD0.5
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:59:14 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default-ICV-AP2 - All compounds listed

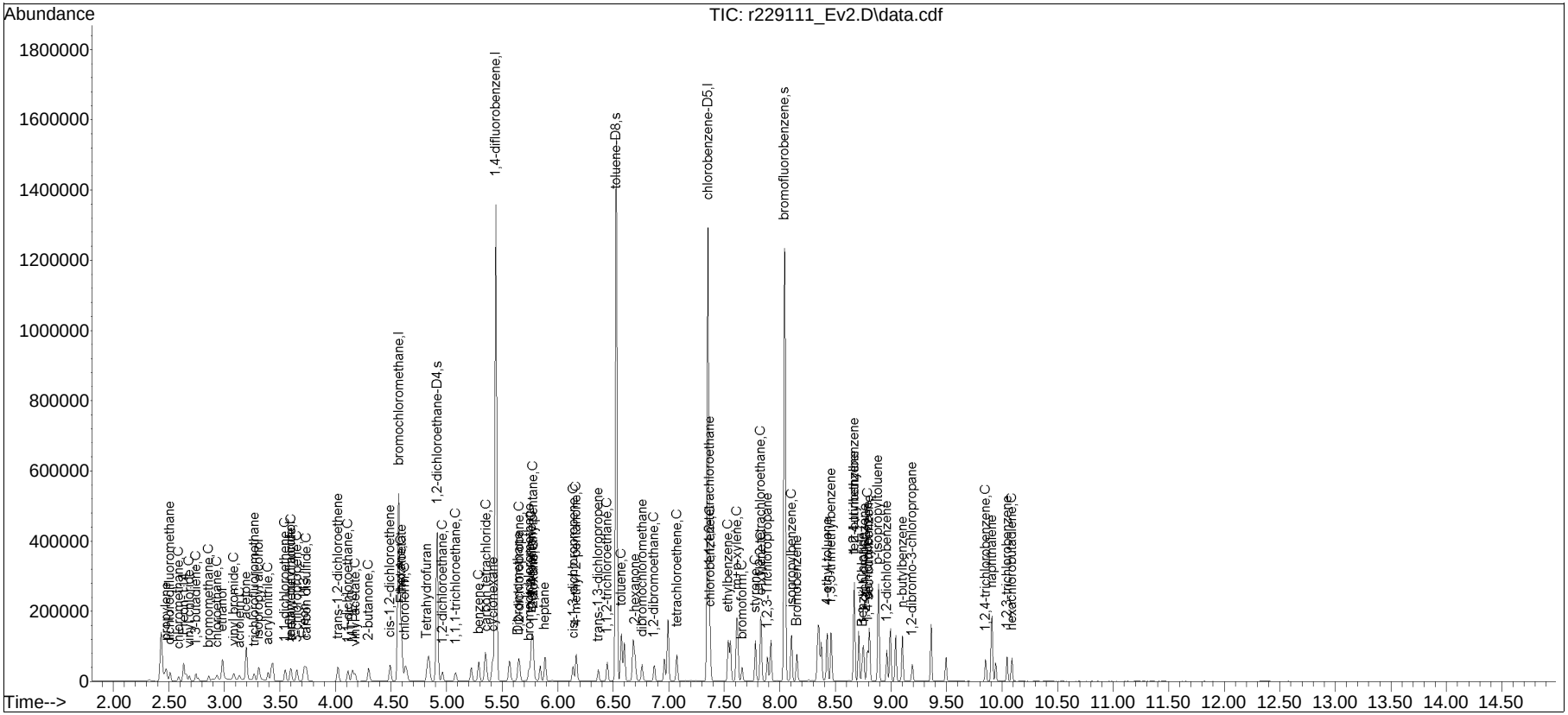
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
70) 4-ethyl toluene	8.427	105	74945	0.750	ppbV		98
71) 1,3,5-trimethylbenzene	8.460	105	67698	0.576	ppbV		98
72) tert-butylbenzene	8.670	119	68914	0.616	ppbV		100
73) 1,2,4-trimethylbenzene	8.670	105	68326	0.592	ppbV		95
74) Benzyl Chloride	8.743	91	31317	0.668	ppbV		98
75) 1,3-dichlorobenzene	8.757	146	51974	0.586	ppbV		94
76) 1,4-dichlorobenzene	8.790	146	51967	0.577	ppbV		96
77) sec-butylbenzene	8.803	105	100850	0.592	ppbV		93
78) p-isopropyltoluene	8.883	119	84720	0.616	ppbV		100
79) 1,2-dichlorobenzene	8.963	146	49116	0.581	ppbV		100
80) n-butylbenzene	9.103	91	72926	0.593	ppbV		97
81) 1,2-dibromo-3-chloropr...	9.190	75	14735	0.557	ppbV		98
82) 1,2,4-trichlorobenzene	9.850	180	39618	0.530	ppbV	#	93
83) naphthalene	9.910	128	103808	0.544	ppbV		99
84) 1,2,3-trichlorobenzene	10.045	180	37449	0.525	ppbV		98
85) hexachlorobutadiene	10.090	225	30137	0.581	ppbV		98

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

Sub List : Default-ICV-AP2 - All compounds listedM_I\r229113_Ev2.D

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229111_Ev2.D
Acq On : 7 Feb 2025 12:17 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD0.5
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:59:14 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

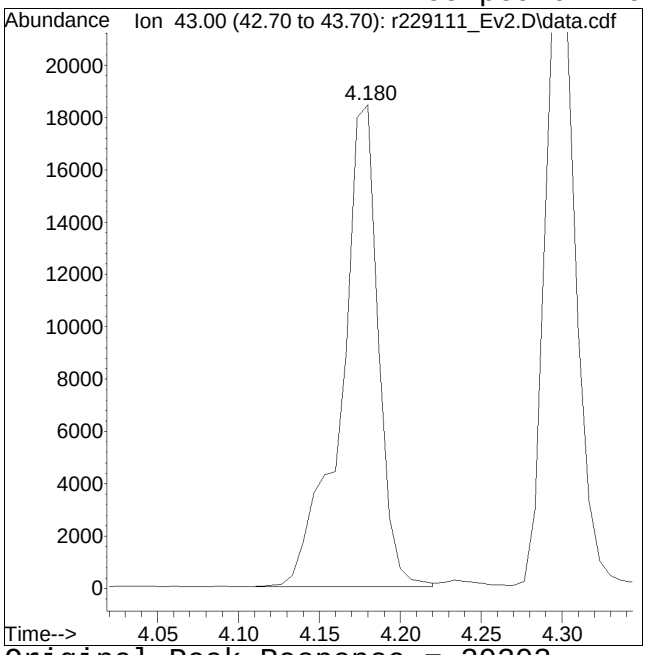


Manual Integration Report

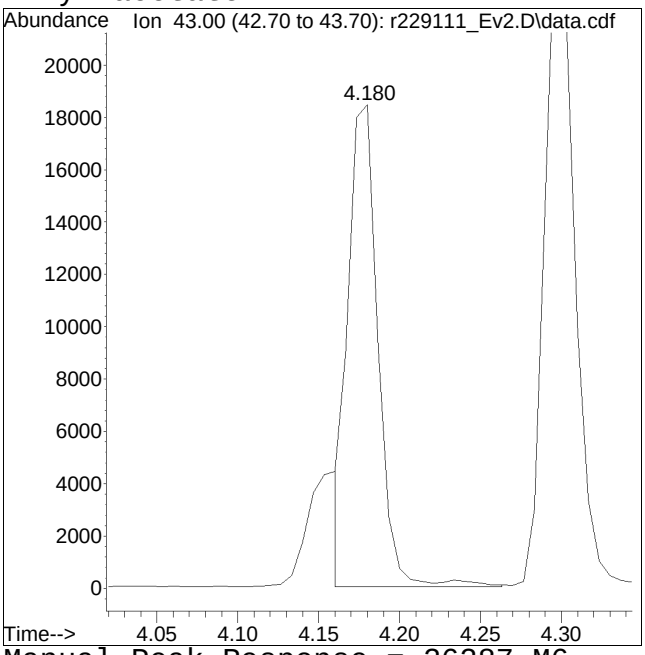
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Data File : r229111_Ev2.D
Date Inj'd : 2/7/2025 12:17 PM
Sample : ITO15-SIMSTD0.5

Method : TSIM22_250206.M
Operator : AIRLAB22:APR
Instrument :
Quant Date : 2/7/2025 4:59 pm

Compound #26: vinyl acetate



Original Peak Response = 29303



Manual Peak Response = 26287 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229112_Ev2.D
Acq On : 7 Feb 2025 12:50 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD1.0
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:59:22 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	4.570	49	307238	10.000	ppbV	0.00
Standard Area = 314516			Recovery = 97.69%			
33) 1,4-difluorobenzene	5.450	114	986432	10.000	ppbV	0.00
Standard Area = 1018308			Recovery = 96.87%			
51) chlorobenzene-D5	7.367	54	99954	10.000	ppbV	0.00
Standard Area = 101278			Recovery = 98.69%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	4.917	65	186691	10.231	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.31%			
53) toluene-D8	6.540	98	917272	10.069	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.69%			
67) bromofluorobenzene	8.053	95	628750	10.058	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.58%			
Target Compounds						Qvalue
2) propylene	2.470	41	38192	1.493	ppbV	99
3) dichlorodifluoromethane	2.510	85	40014	1.190	ppbV	99
4) chloromethane	2.585	50	21533	1.180	ppbV	100
5) Freon-114	2.630	85	45002	1.190	ppbV	98
6) vinyl chloride	2.680	62	24072	1.179	ppbV	100
7) 1,3-butadiene	2.740	54	18404	1.548	ppbV	95
8) bromomethane	2.855	94	19124	1.192	ppbV	99
9) chloroethane	2.932	64	12642	1.193	ppbV	99
10) ethanol	2.977	31	70152	6.157	ppbV	99
11) vinyl bromide	3.082	106	18573	1.559	ppbV	99
12) acrolein	3.133	56	12169	1.224	ppbV #	11
13) acetone	3.190	43	133933	8.071	ppbV	99
14) trichlorofluoromethane	3.265	101	25848	1.176	ppbV	99
15) isopropyl alcohol	3.304	45	95451	3.973	ppbV	100
16) acrylonitrile	3.391	53	30477	1.174	ppbV	99
17) 1,1-dichloroethene	3.545	61	37160	1.172	ppbV	99
18) tertiary butyl alcohol	3.585	59	30741	0.952	ppbV	97
19) methylene chloride	3.595	49	30768	1.167	ppbV	97
20) 3-chloropropene	3.650	41	45556	1.539	ppbV	97
21) carbon disulfide	3.735	76	86428	1.536	ppbV	96
22) Freon 113	3.720	101	50200	0.954	ppbV	99
23) trans-1,2-dichloroethene	4.020	61	37906	1.546	ppbV	96
24) 1,1-dichloroethane	4.113	63	52431	1.173	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229112_Ev2.D
Acq On : 7 Feb 2025 12:50 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD1.0
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:59:22 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	4.147	73	65124	1.446	ppbV		97
26) vinyl acetate	4.173	43	57998M6	1.572	ppbV		
27) 2-butanone	4.297	43	65111	1.553	ppbV		96
28) cis-1,2-dichloroethene	4.490	61	37680	1.179	ppbV		96
29) Ethyl Acetate	4.597	61	8809	1.482	ppbV	#	43
30) chloroform	4.630	83	42312	1.171	ppbV		98
31) Tetrahydrofuran	4.823	42	38531	1.528	ppbV		99
32) 1,2-dichloroethane	4.963	62	22736	1.197	ppbV		100
34) hexane	4.590	57	46314	1.585	ppbV		97
36) 1,1,1-trichloroethane	5.083	97	35243	1.050	ppbV		97
37) benzene	5.297	78	102580	1.169	ppbV		99
38) carbon tetrachloride	5.363	117	28863	1.214	ppbV		99
39) cyclohexane	5.423	56	58078	1.726	ppbV		97
40) Dibromomethane	5.657	93	27858	1.228	ppbV	#	100
41) 1,2-dichloropropane	5.663	63	37683	1.185	ppbV		98
42) bromodichloromethane	5.750	83	41117	1.561	ppbV		99
43) 1,4-dioxane	5.790	88	24722	1.648	ppbV		84
44) trichloroethene	5.777	130	47380	1.183	ppbV		100
45) 2,2,4-trimethylpentane	5.783	57	149057	1.573	ppbV		99
46) heptane	5.897	43	64649	1.437	ppbV		97
47) cis-1,3-dichloropropene	6.153	75	48802	1.176	ppbV		98
48) 4-methyl-2-pentanone	6.173	43	81284	1.561	ppbV		100
49) trans-1,3-dichloropropene	6.380	75	33397	1.162	ppbV		98
50) 1,1,2-trichloroethane	6.460	97	40990	1.176	ppbV		99
52) toluene	6.587	91	120741	1.177	ppbV		100
54) 2-hexanone	6.707	43	78588	1.564	ppbV	#	82
55) dibromochloromethane	6.773	129	47970	1.525	ppbV		99
56) 1,2-dibromoethane	6.880	107	51346	1.158	ppbV		99
57) tetrachloroethene	7.087	166	57003	1.166	ppbV		100
58) 1,1,1,2-tetrachloroethane	7.380	131	39063	1.183	ppbV		100
59) chlorobenzene	7.387	112	102862	1.161	ppbV		100
60) ethylbenzene	7.547	91	146704	1.176	ppbV		99
61) m+p-xylene	7.627	91	234205	2.370	ppbV		97
62) bromoform	7.673	173	37946	1.490	ppbV		99
63) styrene	7.793	104	104406	1.127	ppbV		100
64) 1,1,2,2-tetrachloroethane	7.840	83	81864	1.167	ppbV		100
65) o-xylene	7.840	91	117348	1.197	ppbV		98
66) 1,2,3-Trichloropropane	7.900	75	62074	1.170	ppbV		99
68) isopropylbenzene	8.113	105	160694	1.188	ppbV		100
69) Bromobenzene	8.167	77	85577	1.186	ppbV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229112_Ev2.D
Acq On : 7 Feb 2025 12:50 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD1.0
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:59:22 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

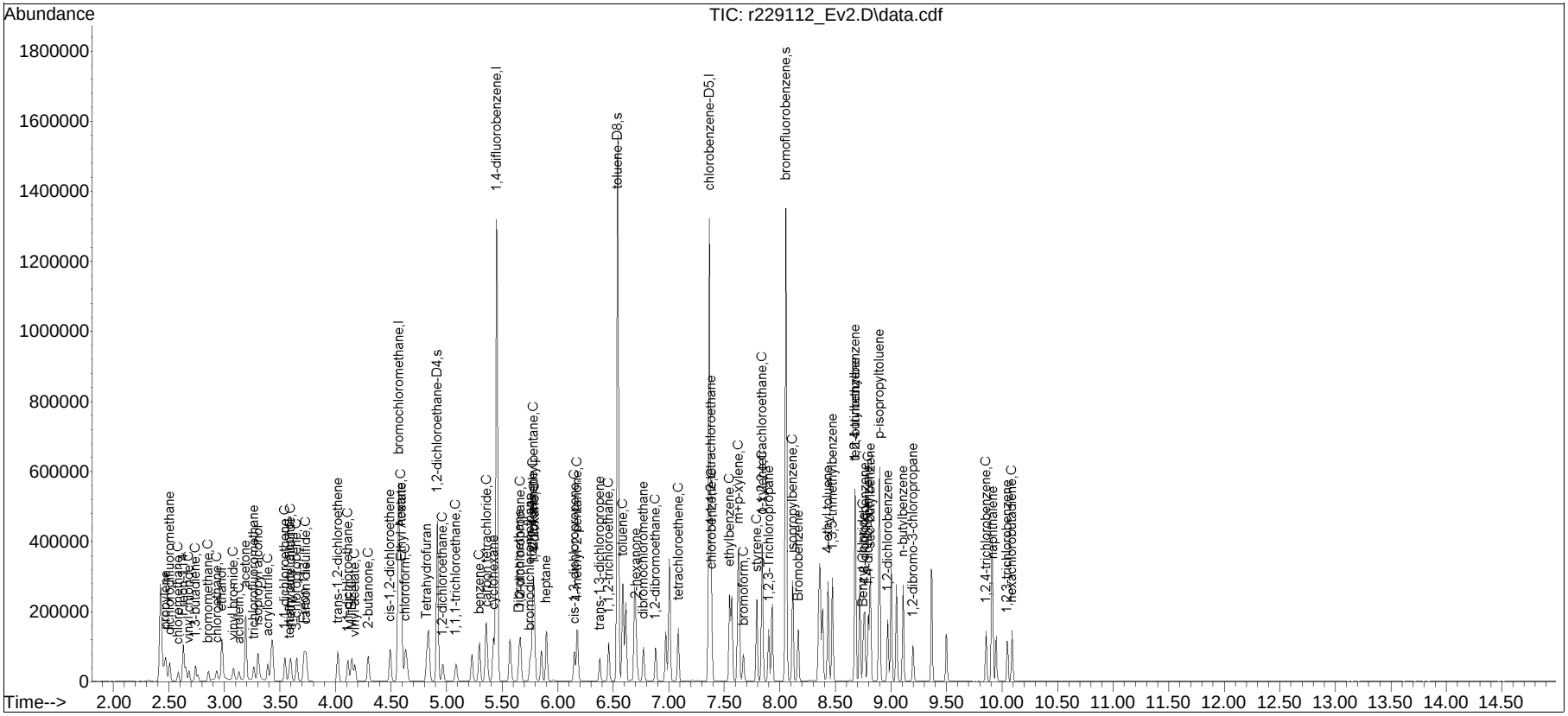
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	8.433	105	152924	1.488	ppbV	100
71) 1,3,5-trimethylbenzene	8.473	105	137421	1.136	ppbV	100
72) tert-butylbenzene	8.677	119	140023	1.217	ppbV	98
73) 1,2,4-trimethylbenzene	8.677	105	140160	1.182	ppbV	97
74) Benzyl Chloride	8.750	91	65533	1.359	ppbV	98
75) 1,3-dichlorobenzene	8.763	146	104086	1.141	ppbV	99
76) 1,4-dichlorobenzene	8.797	146	105519	1.139	ppbV	98
77) sec-butylbenzene	8.817	105	206271	1.177	ppbV	100
78) p-isopropyltoluene	8.897	119	172920	1.222	ppbV	97
79) 1,2-dichlorobenzene	8.970	146	99330	1.142	ppbV	98
80) n-butylbenzene	9.110	91	149943	1.186	ppbV	97
81) 1,2-dibromo-3-chloropr...	9.197	75	30631	1.126	ppbV	98
82) 1,2,4-trichlorobenzene	9.857	180	82993	1.080	ppbV	99
83) naphthalene	9.918	128	219711	1.119	ppbV	96
84) 1,2,3-trichlorobenzene	10.045	180	75066	1.023	ppbV	97
85) hexachlorobutadiene	10.090	225	61743	1.158	ppbV	98

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

Sub List : Default - All compounds listed2\0206SIM_I\r229113_Ev2.D

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229112_Ev2.D
Acq On : 7 Feb 2025 12:50 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD1.0
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

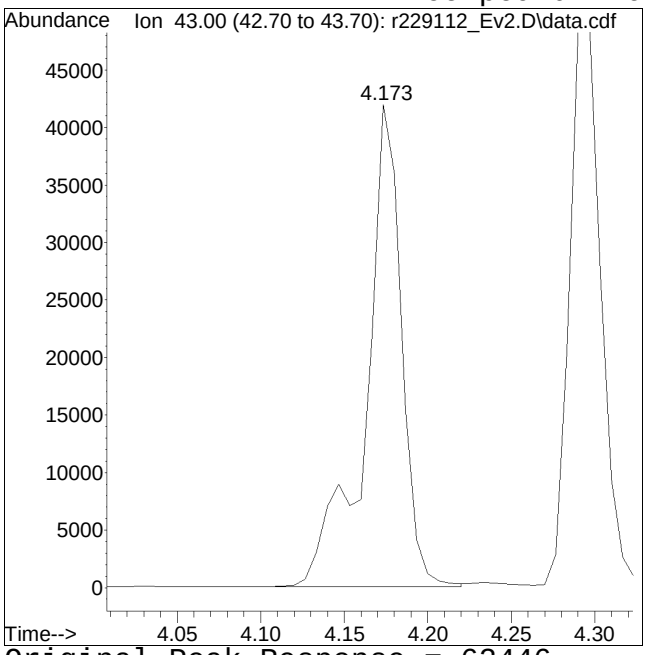
Quant Time: Feb 07 16:59:22 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration



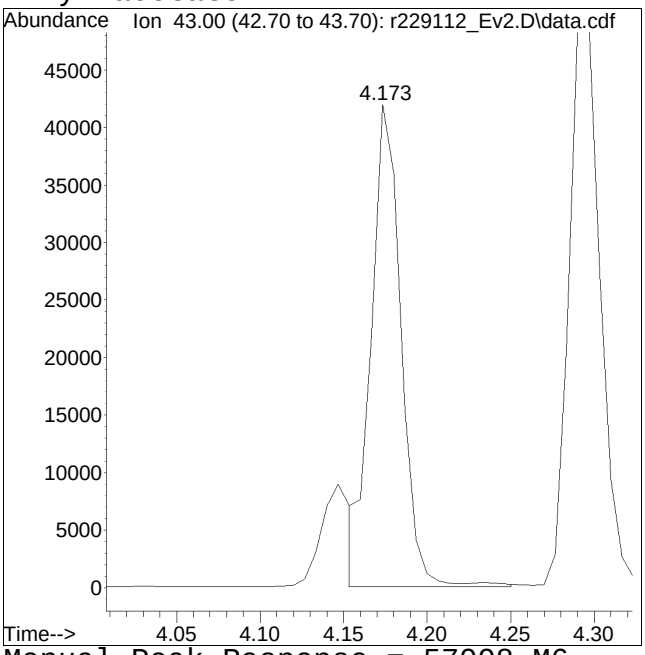
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab22\20QMethod : TSIM22_250206.M
Data File : r229112_Ev2.D Operator : AIRLAB22:APR
Date Inj'd : 2/7/2025 12:50 PM Instrument :
Sample : ITO15-SIMSTD1.0 Quant Date : 2/7/2025 4:59 pm

Compound #26: vinyl acetate



Original Peak Response = 62446



Manual Peak Response = 57998 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229113_Ev2.D
Acq On : 7 Feb 2025 1:21 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD5.0
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:56:22 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Feb 06 06:21:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	4.570	49	314516	10.000	ppbV		0.02
Standard Area = 314516			Recovery = 100.00%				
33) 1,4-difluorobenzene	5.457	114	1018308	10.000	ppbV		0.02
Standard Area = 1018308			Recovery = 100.00%				
51) chlorobenzene-D5	7.367	54	101278	10.000	ppbV	#	0.02
Standard Area = 101278			Recovery = 100.00%				
System Monitoring Compounds							
35) 1,2-dichloroethane-D4	4.923	65	188377	7.713	ppbV		0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 77.13%				
53) toluene-D8	6.540	98	923098	10.981	ppbV		0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.81%				
67) bromofluorobenzene	8.053	95	633374	10.386	ppbV		0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.86%				
Target Compounds							Qvalue
2) propylene	2.480	41	130927	4.156	ppbV		97
3) dichlorodifluoromethane	2.515	85	172038	4.485	ppbV		100
4) chloromethane	2.595	50	93419	5.091	ppbV		100
5) Freon-114	2.640	85	193514	4.860	ppbV		96
6) vinyl chloride	2.690	62	104544	4.920	ppbV		100
7) 1,3-butadiene	2.750	54	60840	3.711	ppbV		100
8) bromomethane	2.865	94	82114	4.483	ppbV		99
9) chloroethane	2.938	64	54226	4.479	ppbV	#	100
10) ethanol	2.980	31	291592	24.524	ppbV		98
11) vinyl bromide	3.091	106	60975	3.868	ppbV		99
12) acrolein	3.139	56	50890	4.514	ppbV		99
13) acetone	3.193	43	424687	19.224	ppbV		99
14) trichlorofluoromethane	3.274	101	112516	4.314	ppbV		99
15) isopropyl alcohol	3.301	45	307446	9.530	ppbV		100
16) acrylonitrile	3.397	53	132823	4.604	ppbV		97
17) 1,1-dichloroethene	3.550	61	162325	4.440	ppbV		92
18) tertiary butyl alcohol	3.575	59	165325	4.335	ppbV		99
19) methylene chloride	3.605	49	134918	4.791	ppbV		93
20) 3-chloropropene	3.660	41	151553	3.754	ppbV		91
21) carbon disulfide	3.745	76	288060	4.031	ppbV		95
22) Freon 113	3.725	101	269384	5.912	ppbV		98
23) trans-1,2-dichloroethene	4.027	61	125501	3.640	ppbV		96
24) 1,1-dichloroethane	4.120	63	228866	4.624	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229113_Ev2.D
Acq On : 7 Feb 2025 1:21 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD5.0
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:56:22 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Feb 06 06:21:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	4.147	73	230573	3.652	ppbV		98
26) vinyl acetate	4.180	43	188863	3.486	ppbV		100
27) 2-butanone	4.290	43	214529	3.618	ppbV		97
28) cis-1,2-dichloroethene	4.497	61	163576	4.580	ppbV		95
29) Ethyl Acetate	4.590	61	30422	3.973	ppbV		96
30) chloroform	4.630	83	184924	4.260	ppbV		99
31) Tetrahydrofuran	4.817	42	129078	3.846	ppbV		99
32) 1,2-dichloroethane	4.970	62	97240	3.655	ppbV	#	90
34) hexane	4.597	57	150848	3.778	ppbV		73
36) 1,1,1-trichloroethane	5.090	97	173302	4.242	ppbV		97
37) benzene	5.297	78	453112	4.819	ppbV		98
38) carbon tetrachloride	5.370	117	122740	3.807	ppbV		98
39) cyclohexane	5.423	56	173636	3.778	ppbV		98
40) Dibromomethane	5.657	93	117077	4.508	ppbV	#	92
41) 1,2-dichloropropane	5.670	63	164149	4.697	ppbV		98
42) bromodichloromethane	5.757	83	135972	3.407	ppbV		99
43) 1,4-dioxane	5.777	88	77450	3.645	ppbV		100
44) trichloroethene	5.777	130	206647	4.768	ppbV		99
45) 2,2,4-trimethylpentane	5.790	57	488994	3.793	ppbV		97
46) heptane	5.903	43	232145	4.155	ppbV		99
47) cis-1,3-dichloropropene	6.153	75	214218	4.654	ppbV		95
48) 4-methyl-2-pentanone	6.167	43	268756	3.961	ppbV		99
49) trans-1,3-dichloropropene	6.380	75	148356	4.414	ppbV		97
50) 1,1,2-trichloroethane	6.460	97	179882	4.906	ppbV		94
52) toluene	6.587	91	519623	5.468	ppbV		99
54) 2-hexanone	6.693	43	254610	4.272	ppbV		99
55) dibromochloromethane	6.773	129	159367	4.234	ppbV		100
56) 1,2-dibromoethane	6.880	107	224667	5.456	ppbV		98
57) tetrachloroethene	7.087	166	247584	5.595	ppbV		95
58) 1,1,1,2-tetrachloroethane	7.380	131	167218	5.252	ppbV		99
59) chlorobenzene	7.387	112	448871	5.515	ppbV		95
60) ethylbenzene	7.547	91	631742	5.357	ppbV		98
61) m+p-xylene	7.627	91	1001396	10.663	ppbV		97
62) bromoform	7.673	173	129056	4.748	ppbV		99
63) styrene	7.793	104	469210	5.725	ppbV		95
64) 1,1,2,2-tetrachloroethane	7.840	83	355257	5.658	ppbV		99
65) o-xylene	7.840	91	496631	5.278	ppbV		99
66) 1,2,3-Trichloropropane	7.900	75	268899	5.202	ppbV		97
68) isopropylbenzene	8.113	105	685369	5.316	ppbV		98
69) Bromobenzene	8.167	77	365688	5.243	ppbV		94

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229113_Ev2.D
Acq On : 7 Feb 2025 1:21 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD5.0
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:56:22 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Feb 06 06:21:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

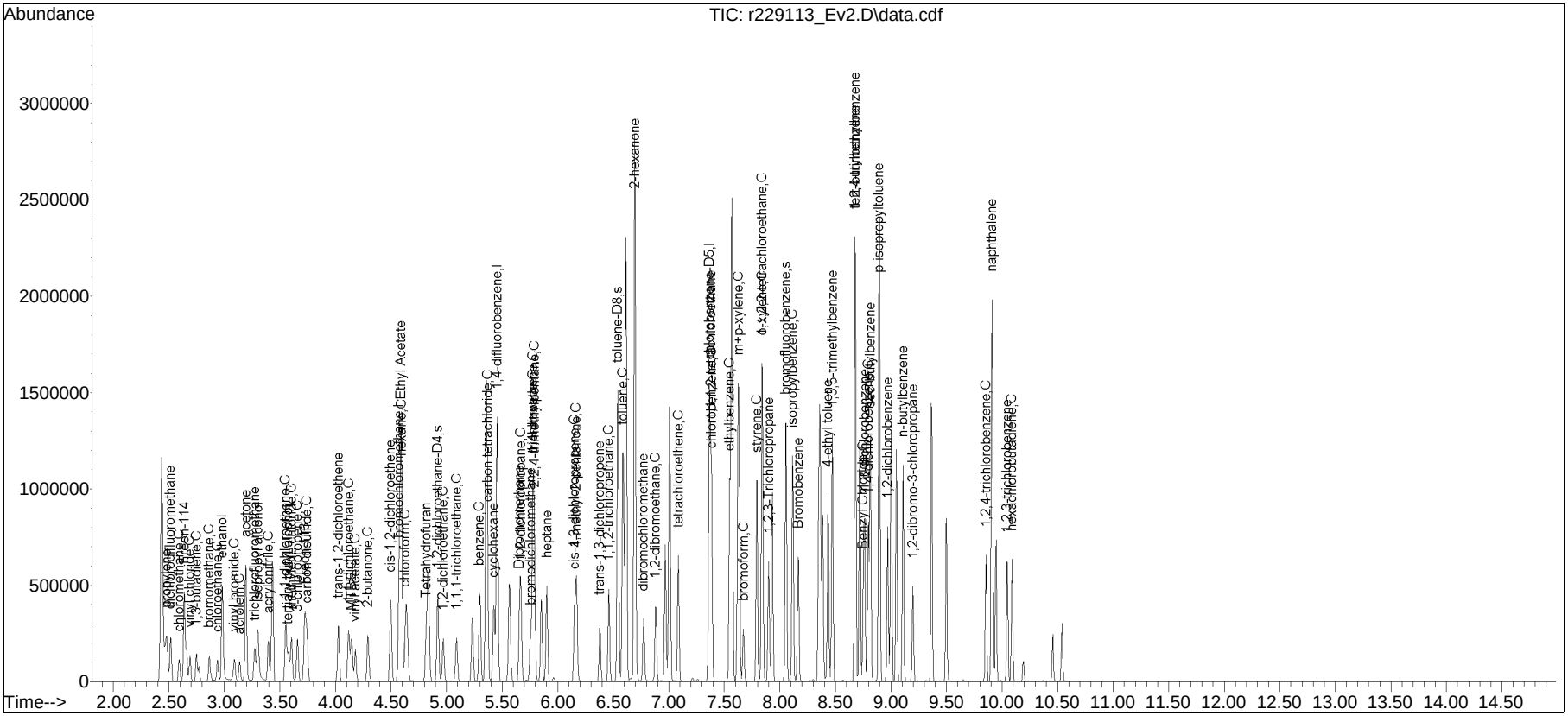
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	8.433	105	520609	4.424	ppbV	99
71) 1,3,5-trimethylbenzene	8.473	105	612676	5.531	ppbV	95
72) tert-butylbenzene	8.677	119	582764	5.258	ppbV	98
73) 1,2,4-trimethylbenzene	8.677	105	600883	5.432	ppbV	96
74) Benzyl Chloride	8.750	91	244338	4.546	ppbV	100
75) 1,3-dichlorobenzene	8.763	146	461974	5.797	ppbV #	86
76) 1,4-dichlorobenzene	8.797	146	469318	5.864	ppbV	99
77) sec-butylbenzene	8.817	105	888062	5.744	ppbV	91
78) p-isopropyltoluene	8.890	119	716720	5.381	ppbV	99
79) 1,2-dichlorobenzene	8.970	146	440699	5.795	ppbV	99
80) n-butylbenzene	9.110	91	640334	5.371	ppbV	100
81) 1,2-dibromo-3-chloropr...	9.197	75	137860	5.239	ppbV	88
82) 1,2,4-trichlorobenzene	9.857	180	389294	6.436	ppbV #	94
83) naphthalene	9.910	128	994502	6.414	ppbV	99
84) 1,2,3-trichlorobenzene	10.045	180	371665	6.765	ppbV #	97
85) hexachlorobutadiene	10.090	225	270063	5.792	ppbV #	92

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

Sub List : Default - All compounds listed2\0206SIM_I\r229113_Ev2.D

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229113_Ev2.D
Acq On : 7 Feb 2025 1:21 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD5.0
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:56:22 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Feb 06 06:21:57 2025
Response via : Initial Calibration



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab22\20	QMethod	: TSIM22_250206.M
Data File	: r229113_Ev2.D	Operator	: AIRLAB22:APR
Date Inj'd	: 2/7/2025 1:21 PM	Instrument	:
Sample	: ITO15-SIMSTD5.0	Quant Date	: 2/7/2025 4:56 pm

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229114_Ev2.D
Acq On : 7 Feb 2025 1:55 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD010
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:59:30 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	4.570	49	312870	10.000	ppbV	0.00
Standard Area = 314516			Recovery = 99.48%			
33) 1,4-difluorobenzene	5.450	114	1023146	10.000	ppbV	0.00
Standard Area = 1018308			Recovery = 100.48%			
51) chlorobenzene-D5	7.360	54	100325	10.000	ppbV	0.00
Standard Area = 101278			Recovery = 99.06%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	4.917	65	184884	9.768	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.68%			
53) toluene-D8	6.540	98	926502	10.132	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.32%			
67) bromofluorobenzene	8.053	95	641966	10.232	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.32%			
Target Compounds						Qvalue
2) propylene	2.475	41	244649M6	9.392	ppbV	
3) dichlorodifluoromethane	2.515	85	340420	9.946	ppbV	99
4) chloromethane	2.590	50	191678	10.313	ppbV	100
5) Freon-114	2.635	85	385315	10.008	ppbV	99
6) vinyl chloride	2.685	62	213007	10.241	ppbV	100
7) 1,3-butadiene	2.745	54	124260	10.266	ppbV	98
8) bromomethane	2.860	94	167317	10.242	ppbV	100
9) chloroethane	2.935	64	111241	10.311	ppbV	100
10) ethanol	2.974	31	591290	50.962	ppbV	100
11) vinyl bromide	3.088	106	123699	10.197	ppbV	100
12) acrolein	3.133	56	104446	10.316	ppbV #	91
13) acetone	3.187	43	854723	50.580	ppbV	98
14) trichlorofluoromethane	3.268	101	225242	10.062	ppbV	99
15) isopropyl alcohol	3.292	45	624835	25.538	ppbV	100
16) acrylonitrile	3.391	53	267210	10.112	ppbV	100
17) 1,1-dichloroethene	3.550	61	314395	9.735	ppbV	96
18) tertiary butyl alcohol	3.565	59	356166	10.828	ppbV	95
19) methylene chloride	3.600	49	266637	9.933	ppbV	97
20) 3-chloropropene	3.655	41	326021	10.813	ppbV	99
21) carbon disulfide	3.740	76	571661	9.975	ppbV	99
22) Freon 113	3.720	101	470377	8.777	ppbV	99
23) trans-1,2-dichloroethene	4.020	61	245786	9.844	ppbV	92
24) 1,1-dichloroethane	4.113	63	449794	9.878	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229114_Ev2.D
Acq On : 7 Feb 2025 1:55 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD010
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:59:30 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	4.140	73	453719	9.891	ppbV		99
26) vinyl acetate	4.173	43	461929	12.294	ppbV		98
27) 2-butanone	4.283	43	435874	10.212	ppbV		100
28) cis-1,2-dichloroethene	4.497	61	319892	9.830	ppbV		93
29) Ethyl Acetate	4.590	61	63046	10.416	ppbV		62
30) chloroform	4.630	83	358375	9.741	ppbV		99
31) Tetrahydrofuran	4.810	42	255020	9.930	ppbV		98
32) 1,2-dichloroethane	4.970	62	188215	9.729	ppbV		99
34) hexane	4.590	57	295974	9.764	ppbV		91
36) 1,1,1-trichloroethane	5.090	97	333866	9.587	ppbV		97
37) benzene	5.297	78	896196	9.843	ppbV		99
38) carbon tetrachloride	5.370	117	235746	9.558	ppbV		98
39) cyclohexane	5.423	56	336663	9.649	ppbV		97
40) Dibromomethane	5.657	93	225250	9.574	ppbV	#	98
41) 1,2-dichloropropane	5.663	63	323055	9.794	ppbV		99
42) bromodichloromethane	5.750	83	265568	9.719	ppbV		98
43) 1,4-dioxane	5.770	88	149745	9.621	ppbV		90
44) trichloroethene	5.777	130	399809	9.628	ppbV		99
45) 2,2,4-trimethylpentane	5.783	57	958032	9.750	ppbV		99
46) heptane	5.897	43	455576	9.766	ppbV		97
47) cis-1,3-dichloropropene	6.153	75	429851	9.986	ppbV		100
48) 4-methyl-2-pentanone	6.160	43	524642	9.714	ppbV		99
49) trans-1,3-dichloropropene	6.380	75	300770	10.089	ppbV		97
50) 1,1,2-trichloroethane	6.460	97	353188	9.771	ppbV		99
52) toluene	6.587	91	1005288	9.765	ppbV		100
54) 2-hexanone	6.693	43	467476	9.267	ppbV		95
55) dibromochloromethane	6.773	129	316008	10.009	ppbV		100
56) 1,2-dibromoethane	6.880	107	446538	10.032	ppbV		100
57) tetrachloroethene	7.087	166	477494	9.735	ppbV		100
58) 1,1,1,2-tetrachloroethane	7.373	131	324008	9.780	ppbV		98
59) chlorobenzene	7.387	112	876848	9.860	ppbV		98
60) ethylbenzene	7.547	91	1214776	9.706	ppbV		97
61) m+p-xylene	7.627	91	1897198	19.125	ppbV		98
62) bromoform	7.673	173	259580	10.152	ppbV		100
63) styrene	7.793	104	921222	9.910	ppbV		100
64) 1,1,2,2-tetrachloroethane	7.833	83	685873	9.745	ppbV		98
65) o-xylene	7.840	91	935877	9.512	ppbV		96
66) 1,2,3-Trichloropropane	7.900	75	534563	10.034	ppbV		99
68) isopropylbenzene	8.113	105	1338970	9.861	ppbV		99
69) Bromobenzene	8.160	77	719836	9.936	ppbV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229114_Ev2.D
Acq On : 7 Feb 2025 1:55 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD010
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:59:30 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

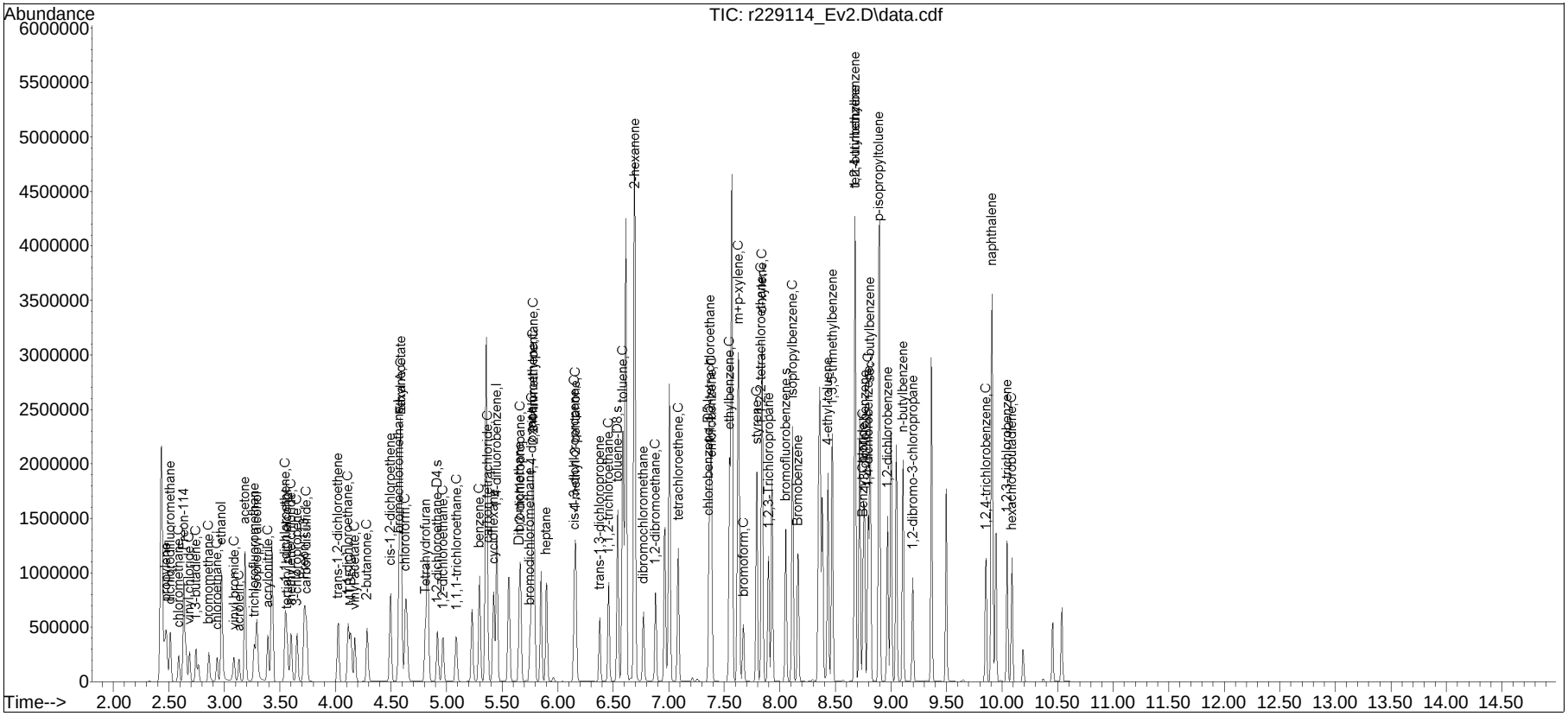
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	8.433	105	1026130	9.949	ppbV	99
71) 1,3,5-trimethylbenzene	8.473	105	1167556	9.619	ppbV	97
72) tert-butylbenzene	8.677	119	1090678	9.447	ppbV	99
73) 1,2,4-trimethylbenzene	8.677	105	1129672	9.489	ppbV	96
74) Benzyl Chloride	8.750	91	530318	10.955	ppbV	97
75) 1,3-dichlorobenzene	8.763	146	897146	9.802	ppbV	98
76) 1,4-dichlorobenzene	8.797	146	907159	9.756	ppbV	97
77) sec-butylbenzene	8.810	105	1708240	9.709	ppbV	93
78) p-isopropyltoluene	8.890	119	1344687	9.470	ppbV	98
79) 1,2-dichlorobenzene	8.970	146	863214	9.887	ppbV	97
80) n-butylbenzene	9.110	91	1232316	9.714	ppbV	97
81) 1,2-dibromo-3-chloropr...	9.197	75	274411	10.047	ppbV	98
82) 1,2,4-trichlorobenzene	9.857	180	763539	9.900	ppbV	99
83) naphthalene	9.910	128	1882041	9.552	ppbV	99
84) 1,2,3-trichlorobenzene	10.045	180	737470	10.015	ppbV	98
85) hexachlorobutadiene	10.090	225	516507	9.654	ppbV	98

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

Sub List : Default - All compounds listed2\0206SIM_I\r229113_Ev2.D

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229114_Ev2.D
Acq On : 7 Feb 2025 1:55 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD010
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

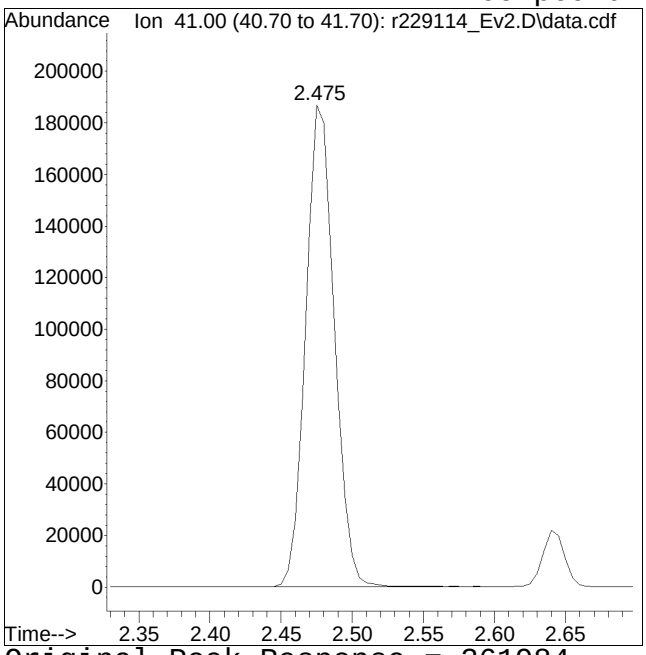
Quant Time: Feb 07 16:59:30 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration



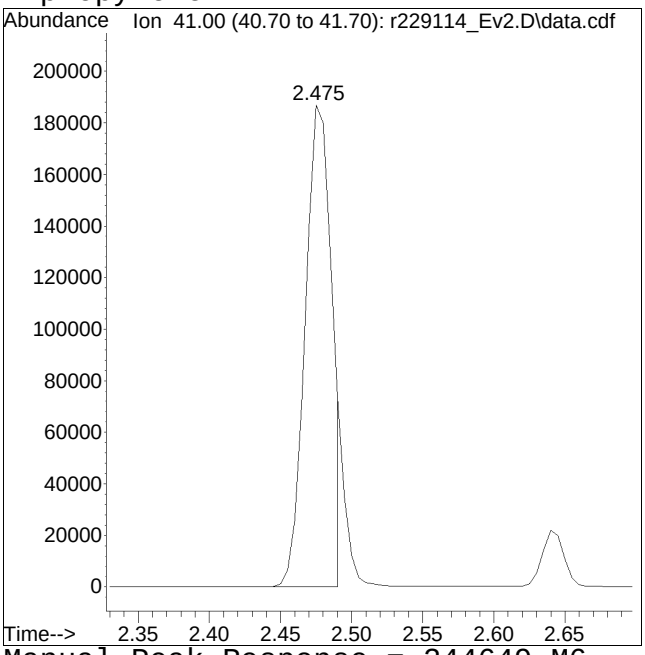
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab22\20QMethod : TSIM22_250206.M
Data File : r229114_Ev2.D Operator : AIRLAB22:APR
Date Inj'd : 2/7/2025 1:55 PM Instrument :
Sample : ITO15-SIMSTD010 Quant Date : 2/7/2025 4:59 pm

Compound #2: propylene



Original Peak Response = 261984



Manual Peak Response = 244649 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229115_Ev2.D
Acq On : 7 Feb 2025 2:26 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD020
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:59:38 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	4.570	49	307408	10.000	ppbV	0.00
Standard Area = 314516			Recovery = 97.74%			
33) 1,4-difluorobenzene	5.450	114	1026709	10.000	ppbV	0.00
Standard Area = 1018308			Recovery = 100.82%			
51) chlorobenzene-D5	7.360	54	98281	10.000	ppbV	0.00
Standard Area = 101278			Recovery = 97.04%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	4.917	65	181163	9.538	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.38%			
53) toluene-D8	6.540	98	925777	10.335	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.35%			
67) bromofluorobenzene	8.053	95	638528	10.389	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.89%			
Target Compounds						Qvalue
2) propylene	2.475	41	555791M6	21.716	ppbV	
3) dichlorodifluoromethane	2.515	85	650436	19.341	ppbV	99
4) chloromethane	2.590	50	378332	20.717	ppbV	100
5) Freon-114	2.635	85	729651	19.289	ppbV	98
6) vinyl chloride	2.685	62	414272	20.271	ppbV	100
7) 1,3-butadiene	2.745	54	321330	27.018	ppbV	96
8) bromomethane	2.860	94	320622	19.974	ppbV	100
9) chloroethane	2.935	64	217660	20.534	ppbV	100
10) ethanol	2.977	31	1165564	102.242	ppbV	99
11) vinyl bromide	3.088	106	316442	26.548	ppbV	99
12) acrolein	3.133	56	209670	21.077	ppbV #	95
13) acetone	3.184	43	2114619	127.359	ppbV	99
14) trichlorofluoromethane	3.271	101	432268	19.653	ppbV	100
15) isopropyl alcohol	3.289	45	1610782	67.005	ppbV	100
16) acrylonitrile	3.391	53	528360	20.350	ppbV	99
17) 1,1-dichloroethene	3.550	61	581058	18.312	ppbV	95
18) tertiary butyl alcohol	3.560	59	764912	23.668	ppbV	94
19) methylene chloride	3.600	49	514954	19.525	ppbV	95
20) 3-chloropropene	3.655	41	757019	25.553	ppbV	99
21) carbon disulfide	3.740	76	1460157	25.931	ppbV	99
22) Freon 113	3.720	101	989370	18.788	ppbV	99
23) trans-1,2-dichloroethene	4.027	61	607154	24.749	ppbV	91
24) 1,1-dichloroethane	4.113	63	847173	18.936	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229115_Ev2.D
Acq On : 7 Feb 2025 2:26 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD020
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:59:38 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	4.133	73	1101607	24.441	ppbV		97
26) vinyl acetate	4.173	43	1296586	35.120	ppbV		98
27) 2-butanone	4.283	43	1099668	26.222	ppbV		97
28) cis-1,2-dichloroethene	4.497	61	599242	18.740	ppbV		92
29) Ethyl Acetate	4.583	61	158470	26.648	ppbV	#	46
30) chloroform	4.630	83	670116	18.538	ppbV		100
31) Tetrahydrofuran	4.803	42	635237	25.176	ppbV		97
32) 1,2-dichloroethane	4.970	62	349733	18.399	ppbV		98
34) hexane	4.590	57	731550	24.050	ppbV		89
36) 1,1,1-trichloroethane	5.090	97	631807	18.079	ppbV		97
37) benzene	5.297	78	1713323	18.751	ppbV		99
38) carbon tetrachloride	5.370	117	454976	18.382	ppbV	#	98
39) cyclohexane	5.423	56	838389	23.945	ppbV		96
40) Dibromomethane	5.657	93	424521	17.982	ppbV	#	98
41) 1,2-dichloropropane	5.663	63	600423	18.139	ppbV		100
42) bromodichloromethane	5.750	83	645231	23.532	ppbV		98
43) 1,4-dioxane	5.763	88	366164	23.445	ppbV		89
44) trichloroethene	5.770	130	736475	17.674	ppbV		99
45) 2,2,4-trimethylpentane	5.783	57	2348583	23.818	ppbV		99
46) heptane	5.897	43	1040823	22.234	ppbV		98
47) cis-1,3-dichloropropene	6.147	75	819132	18.963	ppbV		97
48) 4-methyl-2-pentanone	6.160	43	1260989	23.268	ppbV	#	95
49) trans-1,3-dichloropropene	6.380	75	591994	19.789	ppbV		95
50) 1,1,2-trichloroethane	6.460	97	662427	18.262	ppbV		97
52) toluene	6.580	91	1831867	18.164	ppbV		100
54) 2-hexanone	6.687	43	1172810	23.734	ppbV	#	88
55) dibromochloromethane	6.773	129	770976	24.926	ppbV		100
56) 1,2-dibromoethane	6.880	107	844221	19.361	ppbV		100
57) tetrachloroethene	7.087	166	875009	18.210	ppbV		99
58) 1,1,1,2-tetrachloroethane	7.373	131	607583	18.721	ppbV		98
59) chlorobenzene	7.387	112	1605687	18.431	ppbV		97
60) ethylbenzene	7.547	91	2214934	18.065	ppbV		94
61) m+p-xylene	7.627	91	3357267	34.548	ppbV		96
62) bromoform	7.667	173	636630	25.417	ppbV		99
63) styrene	7.793	104	1720988	18.898	ppbV		99
64) 1,1,2,2-tetrachloroethane	7.833	83	1245271	18.061	ppbV		99
65) o-xylene	7.840	91	1652995	17.150	ppbV		94
66) 1,2,3-Trichloropropane	7.893	75	1024366	19.628	ppbV		99
68) isopropylbenzene	8.113	105	2470942	18.576	ppbV		96
69) Bromobenzene	8.160	77	1370958	19.317	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229115_Ev2.D
Acq On : 7 Feb 2025 2:26 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD020
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:59:38 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

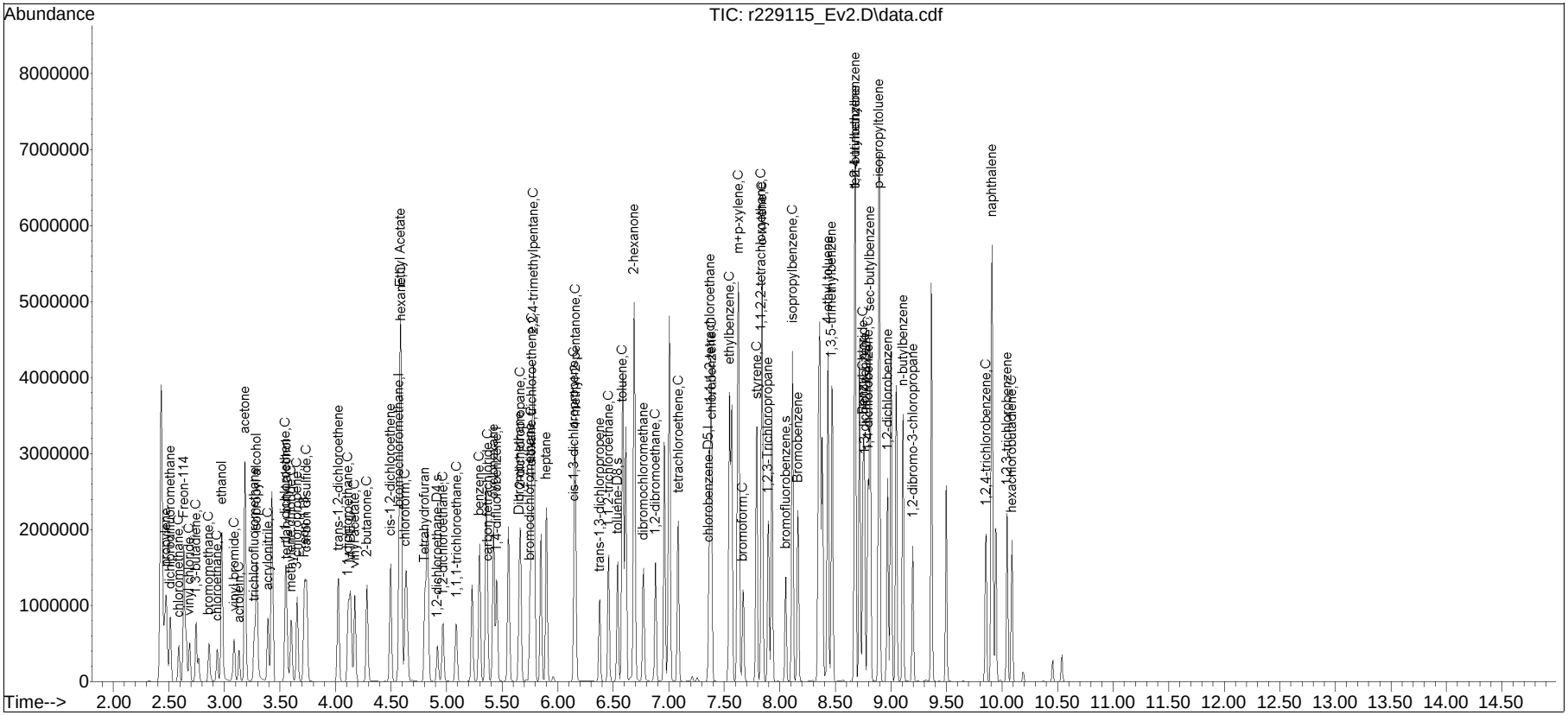
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	8.433	105	2430313	24.053	ppbV	97
71) 1,3,5-trimethylbenzene	8.467	105	2089046	17.568	ppbV	99
72) tert-butylbenzene	8.677	119	1922862	17.001	ppbV	99
73) 1,2,4-trimethylbenzene	8.677	105	1935628	16.598	ppbV	96
74) Benzyl Chloride	8.750	91	1460558	30.799	ppbV	94
75) 1,3-dichlorobenzene	8.763	146	1618581	18.052	ppbV	98
76) 1,4-dichlorobenzene	8.797	146	1630202	17.897	ppbV	97
77) sec-butylbenzene	8.810	105	3095530	17.960	ppbV	95
78) p-isopropyltoluene	8.890	119	2323154	16.701	ppbV	96
79) 1,2-dichlorobenzene	8.970	146	1565570	18.304	ppbV	98
80) n-butylbenzene	9.110	91	2238202	18.010	ppbV	94
81) 1,2-dibromo-3-chloropr...	9.197	75	520129	19.440	ppbV	96
82) 1,2,4-trichlorobenzene	9.857	180	1334322	17.660	ppbV	99
83) naphthalene	9.910	128	3197958	16.568	ppbV	100
84) 1,2,3-trichlorobenzene	10.045	180	1288676	17.865	ppbV	98
85) hexachlorobutadiene	10.090	225	879384	16.778	ppbV	98

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

Sub List : Default - All compounds listed2\0206SIM_I\r229113_Ev2.D

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229115_Ev2.D
Acq On : 7 Feb 2025 2:26 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD020
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

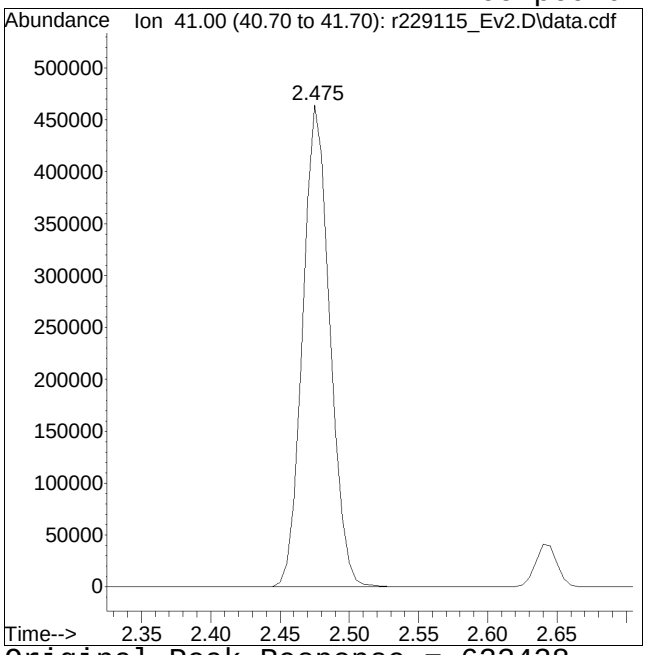
Quant Time: Feb 07 16:59:38 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration



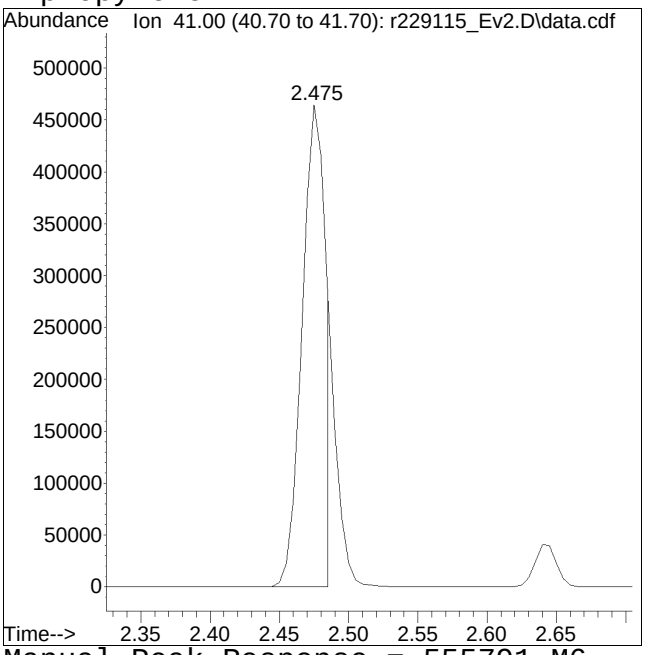
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab22\20QMethod : TSIM22_250206.M
Data File : r229115_Ev2.D Operator : AIRLAB22:APR
Date Inj'd : 2/7/2025 2:26 PM Instrument :
Sample : ITO15-SIMSTD020 Quant Date : 2/7/2025 4:59 pm

Compound #2: propylene



Original Peak Response = 633428



Manual Peak Response = 555791 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229116_Ev2.D
Acq On : 7 Feb 2025 2:57 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD050
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:59:46 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	4.570	49	287489	10.000	ppbV	0.00
Standard Area = 314516			Recovery = 91.41%			
33) 1,4-difluorobenzene	5.450	114	1013786	10.000	ppbV	0.00
Standard Area = 1018308			Recovery = 99.56%			
51) chlorobenzene-D5	7.360	54	94202	10.000	ppbV	# 0.00
Standard Area = 101278			Recovery = 93.01%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	4.917	65	173787	9.267	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.67%			
53) toluene-D8	6.540	98	927896	10.807	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.07%			
67) bromofluorobenzene	8.053	95	650580	11.043	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.43%			
Target Compounds						Qvalue
2) propylene	2.470	41	1459680	60.985	ppbV	95
3) dichlorodifluoromethane	2.510	85	1436156	45.663	ppbV	100
4) chloromethane	2.585	50	892214	52.243	ppbV	99
5) Freon-114	2.630	85	1580059	44.663	ppbV	95
6) vinyl chloride	2.685	62	952081	49.816	ppbV	100
7) 1,3-butadiene	2.745	54	747626	67.218	ppbV	98
8) bromomethane	2.860	94	740202	49.309	ppbV	100
9) chloroethane	2.935	64	569222	57.420	ppbV	100
10) ethanol	2.974	31	2648173	248.389	ppbV	95
11) vinyl bromide	3.088	106	725923	65.122	ppbV	100
12) acrolein	3.130	56	498396	53.571	ppbV	98
13) acetone	3.184	43	4591194	295.677	ppbV	94
14) trichlorofluoromethane	3.268	101	988635	48.063	ppbV	100
15) isopropyl alcohol	3.289	45	3701973	164.663	ppbV	99
16) acrylonitrile	3.391	53	1232315	50.750	ppbV	99
17) 1,1-dichloroethene	3.550	61	1270290	42.806	ppbV	92
18) tertiary butyl alcohol	3.555	59	1867201	61.779	ppbV	94
19) methylene chloride	3.600	49	1219201	49.431	ppbV	95
20) 3-chloropropene	3.655	41	1770992	63.921	ppbV	97
21) carbon disulfide	3.740	76	3378916	64.163	ppbV	98
22) Freon 113	3.720	101	1959659	39.792	ppbV	99
23) trans-1,2-dichloroethene	4.020	61	1384146	60.329	ppbV	96
24) 1,1-dichloroethane	4.113	63	2042457	48.816	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229116_Ev2.D
Acq On : 7 Feb 2025 2:57 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD050
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:59:46 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	4.133	73	2597125	61.614	ppbV		98
26) vinyl acetate	4.173	43	3337810	96.673	ppbV		100
27) 2-butanone	4.283	43	2586348	65.947	ppbV		94
28) cis-1,2-dichloroethene	4.497	61	1362494	45.562	ppbV		90
29) Ethyl Acetate	4.583	61	357437	64.269	ppbV	#	24
30) chloroform	4.630	83	1507984	44.606	ppbV		99
31) Tetrahydrofuran	4.803	42	1480016	62.720	ppbV		95
32) 1,2-dichloroethane	4.963	62	791280	44.512	ppbV		94
34) hexane	4.590	57	1607204	53.510	ppbV	#	72
36) 1,1,1-trichloroethane	5.083	97	1407841	40.799	ppbV		96
37) benzene	5.297	78	3937715	43.646	ppbV		99
38) carbon tetrachloride	5.370	117	1012320	41.422	ppbV	#	97
39) cyclohexane	5.423	56	1940236	56.120	ppbV		94
40) Dibromomethane	5.657	93	908740	38.983	ppbV	#	96
41) 1,2-dichloropropane	5.663	63	1311507	40.127	ppbV		99
42) bromodichloromethane	5.750	83	1443292	53.310	ppbV		98
43) 1,4-dioxane	5.757	88	821915	53.298	ppbV		94
44) trichloroethene	5.770	130	1549234	37.652	ppbV		99
45) 2,2,4-trimethylpentane	5.783	57	5105163	52.434	ppbV		98
46) heptane	5.897	43	2483391	53.727	ppbV		97
47) cis-1,3-dichloropropene	6.147	75	1845664	43.271	ppbV		99
48) 4-methyl-2-pentanone	6.153	43	2758874	51.556	ppbV		96
49) trans-1,3-dichloropropene	6.373	75	1398654	47.349	ppbV		99
50) 1,1,2-trichloroethane	6.453	97	1480954	41.348	ppbV		96
52) toluene	6.580	91	3826744	39.588	ppbV		100
54) 2-hexanone	6.680	43	2447912	51.683	ppbV	#	86
55) dibromochloromethane	6.767	129	1693848	57.135	ppbV		98
56) 1,2-dibromoethane	6.880	107	1894078	45.319	ppbV		100
57) tetrachloroethene	7.080	166	1833104	39.801	ppbV		100
58) 1,1,1,2-tetrachloroethane	7.373	131	1281398	41.193	ppbV		99
59) chlorobenzene	7.380	112	3354374	40.171	ppbV		96
60) ethylbenzene	7.547	91	4638488	39.470	ppbV		92
61) m+p-xylene	7.627	91	6677488	71.691	ppbV		97
62) bromoform	7.667	173	1394015	58.065	ppbV		99
63) styrene	7.787	104	3647680	41.790	ppbV		97
64) 1,1,2,2-tetrachloroethane	7.833	83	2617136	39.601	ppbV		99
65) o-xylene	7.840	91	3244715	35.121	ppbV		94
66) 1,2,3-Trichloropropane	7.893	75	2328829	46.556	ppbV		99
68) isopropylbenzene	8.113	105	5015470	39.338	ppbV		91
69) Bromobenzene	8.160	77	2946260	43.310	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229116_Ev2.D
Acq On : 7 Feb 2025 2:57 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD050
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:59:46 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

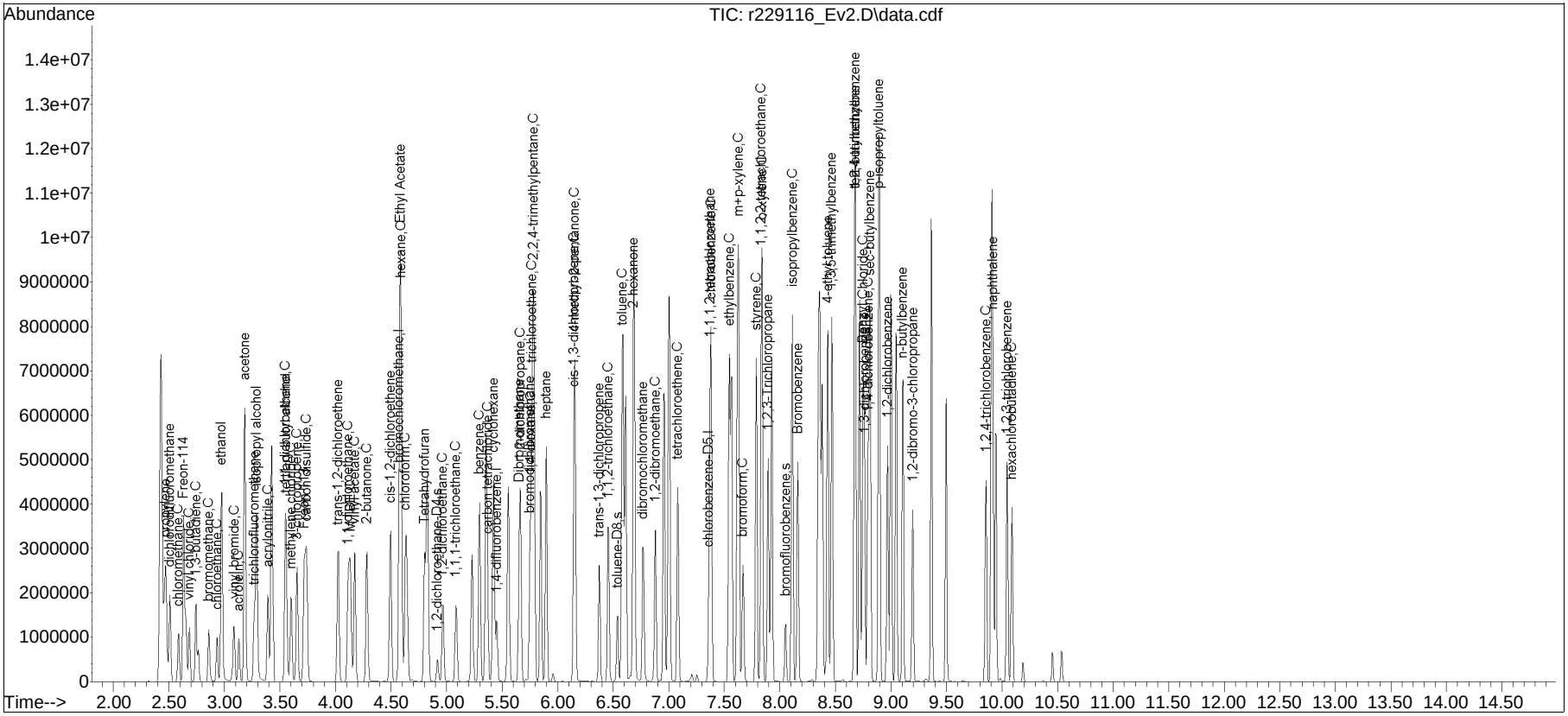
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	8.433	105	4943465	51.044	ppbV	93
71) 1,3,5-trimethylbenzene	8.467	105	4345221	38.125	ppbV	96
72) tert-butylbenzene	8.677	119	3666464	33.820	ppbV	97
73) 1,2,4-trimethylbenzene	8.677	105	3646846	32.625	ppbV	95
74) Benzyl Chloride	8.750	91	3356228	73.839	ppbV	90
75) 1,3-dichlorobenzene	8.763	146	3276854	38.130	ppbV	98
76) 1,4-dichlorobenzene	8.797	146	3319030	38.016	ppbV	99
77) sec-butylbenzene	8.810	105	6052857	36.639	ppbV	99
78) p-isopropyltoluene	8.890	119	4301601	32.263	ppbV	93
79) 1,2-dichlorobenzene	8.970	146	3339808	40.738	ppbV	98
80) n-butylbenzene	9.103	91	4608487	38.688	ppbV	96
81) 1,2-dibromo-3-chloropr...	9.197	75	1210319	47.194	ppbV	96
82) 1,2,4-trichlorobenzene	9.857	180	3181020	43.925	ppbV	95
83) naphthalene	9.918	128	6865287	37.109	ppbV	99
84) 1,2,3-trichlorobenzene	10.045	180	3257102	47.109	ppbV	98
85) hexachlorobutadiene	10.090	225	2048044	40.766	ppbV	97

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

Sub List : Default - All compounds listed2\0206SIM_I\r229113_Ev2.D

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229116_Ev2.D
Acq On : 7 Feb 2025 2:57 PM
Operator : AIRLAB22:APR
Sample : ITO15-SIMSTD050
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 07 16:59:46 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Feb 07 16:58:16 2025
Response via : Initial Calibration



Manual Integration Report

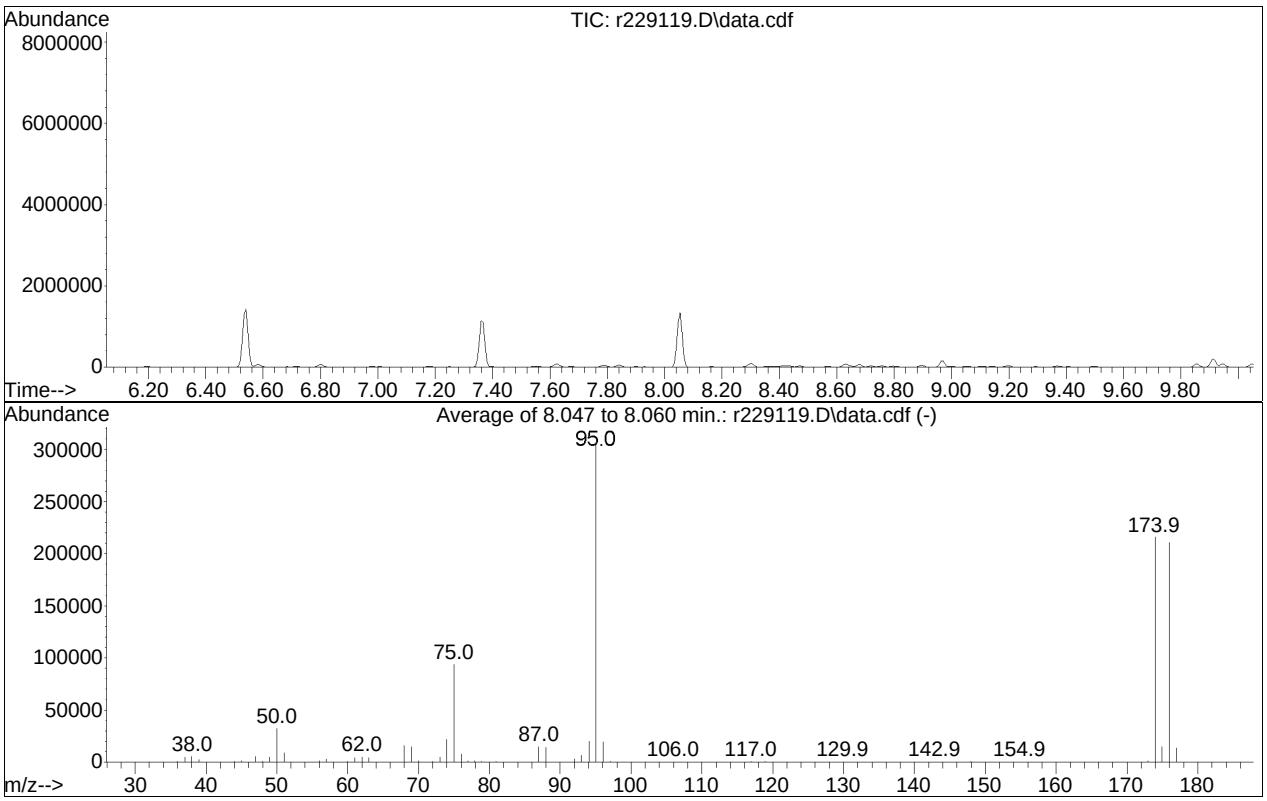
Data Path	: X:\Airlab\Data\Airlab22\20	QMethod	: TSIM22_250206.M
Data File	: r229116_Ev2.D	Operator	: AIRLAB22:APR
Date Inj'd	: 2/7/2025 2:57 PM	Instrument	:
Sample	: ITO15-SIMSTD050	Quant Date	: 2/7/2025 4:59 pm

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

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229119.D
Acq On : 7 Feb 2025 6:03 PM
Operator : AIRLAB22:APR
Sample : WG2029249-2
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Tue Feb 11 14:41:00 2025



Spectrum Information: Average of 8.047 to 8.060 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	10.5	32211	PASS
75	95	30	66	30.6	93776	PASS
95	95	100	100	100.0	306629	PASS
96	95	5	9	6.4	19661	PASS
173	174	0.00	2	0.4	949	PASS
174	95	50	120	70.5	216097	PASS
175	174	4	9	7.0	15042	PASS
176	174	93	101	97.5	210662	PASS
177	176	5	9	6.4	13572	PASS

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229121_Ev2.D
Acq On : 7 Feb 2025 7:08 PM
Operator : AIRLAB22:APR
Sample : CTO15-SIMSTD5.0
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 11 14:41:54 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 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	92	-0.01
2		propylene	1.044	1.098	-5.2	122	-0.02
3		dichlorodifluoromethane	1.131	0.992	12.3	84	-0.02
4	C	chloromethane	0.648	0.591	8.8	92	-0.02
5		Freon-114	1.290	1.324	-2.6	99	-0.02
6	C	vinyl chloride	0.710	0.644	9.3	89	-0.02
7	C	1,3-butadiene	0.542	0.562	-3.7	134	-0.02
8	C	bromomethane	0.581	0.551	5.2	97	-0.02
9	C	chloroethane	0.377	0.415	-10.1	111	-0.02
10		ethanol	0.402	0.363	9.7	90	-0.02
11	C	vinyl bromide	0.517	0.557	-7.7	133	-0.02
12	C	acrolein	0.376	0.283	24.7	81	-0.02
13		acetone	0.725	0.767	-5.8	131	-0.02
14		trichlorofluoromethane	0.764	0.698	8.6	90	-0.02
15		isopropyl alcohol	1.069	1.074	-0.5	127	-0.02
16	C	acrylonitrile	0.931	0.807	13.3	88	-0.02
17	C	1,1-dichloroethene	1.063	0.975	8.3	87	-0.01
18		tertiary butyl alcohol	1.117	1.174	-5.1	103	-0.02
19	C	methylene chloride	0.904	0.909	-0.6	98	-0.02
20	C	3-chloropropene	1.264	1.308	-3.5	125	-0.02
21	C	carbon disulfide	2.413	2.639	-9.4	133	-0.02
22		Freon 113	1.577	1.454	7.8	78	-0.02
23		trans-1,2-dichloroethene	1.032	1.027	0.5	119	-0.02
24	C	1,1-dichloroethane	1.530	1.392	9.0	88	-0.02
25	C	MTBE	1.963	2.035	-3.7	128	-0.02
26	C	vinyl acetate	1.791	1.341	25.1	103	-0.02
27	C	2-butanone	1.819	2.055	-13.0	139	-0.01
28		cis-1,2-dichloroethene	1.079	0.974	9.7	86	-0.01
29		Ethyl Acetate	0.250	0.295	-18.0	141#	-0.01
30	C	chloroform	1.232	1.095	11.1	86	-0.01
31		Tetrahydrofuran	1.065	1.215	-14.1	137	-0.02
32	C	1,2-dichloroethane	0.667	0.527	21.0	79	-0.01
33	I	1,4-difluorobenzene	1.000	1.000	0.0	91	-0.01
34	C	hexane	0.380	0.431	-13.4	132	-0.02
35	s	1,2-dichloroethane-D4	0.183	0.157	14.2	77	-0.02
36	C	1,1,1-trichloroethane	0.338	0.302	10.7	81	-0.01
37	C	benzene	0.932	0.921	1.2	94	-0.01
38	C	carbon tetrachloride	0.260	0.237	8.8	89	-0.01

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229121_Ev2.D
Acq On : 7 Feb 2025 7:08 PM
Operator : AIRLAB22:APR
Sample : CTO15-SIMSTD5.0
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 11 14:41:54 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 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	0.462	0.486	-5.2	130	-0.01
40		Dibromomethane	0.250	0.222	11.2	88	-0.01
41	C	1,2-dichloropropane	0.344	0.323	6.1	91	-0.01
42		bromodichloromethane	0.350	0.364	-4.0	124	-0.01
43	C	1,4-dioxane	0.208	0.222	-6.7	133	-0.01
44	C	trichloroethene	0.427	0.412	3.5	92	-0.01
45	C	2,2,4-trimethylpentane	1.221	1.403	-14.9	133	-0.01
46		heptane	0.550	0.610	-10.9	122	-0.01
47	C	cis-1,3-dichloropropene	0.444	0.467	-5.2	101	-0.01
48	C	4-methyl-2-pentanone	0.640	0.738	-15.3	127	-0.01
49		trans-1,3-dichloropropene	0.317	0.337	-6.3	105	-0.01
50	C	1,1,2-trichloroethane	0.367	0.354	3.5	91	0.00
51	I	chlorobenzene-D5	1.000	1.000	0.0	87	-0.01
52	C	toluene	10.538	10.855	-3.0	92	-0.01
53	s	toluene-D8	9.273	9.235	0.4	88	0.00
54		2-hexanone	6.467	7.462	-15.4	129	0.00
55		dibromochloromethane	4.141	4.749	-14.7	131	0.00
56	C	1,2-dibromoethane	4.688	4.971	-6.0	97	0.00
57	C	tetrachloroethene	5.080	5.063	0.3	90	0.00
58		1,1,1,2-tetrachloroethane	3.526	3.383	4.1	89	-0.01
59	C	chlorobenzene	9.336	9.598	-2.8	94	0.00
60	C	ethylbenzene	12.836	12.887	-0.4	90	0.00
61	C	m+p-xylene	10.101	10.277	-1.7	90	0.00
62	C	bromoform	3.287	3.904	-18.8	133	0.00
63	C	styrene	9.487	10.245	-8.0	96	0.00
64	C	1,1,2,2-tetrachloroethane	7.147	7.462	-4.4	92	0.00
65	C	o-xylene	10.132	10.332	-2.0	91	0.00
66		1,2,3-Trichloropropane	5.641	5.661	-0.4	92	0.00
67	s	bromofluorobenzene	6.441	6.465	-0.4	90	0.00
68	C	isopropylbenzene	14.003	14.537	-3.8	93	0.00
69		Bromobenzene	7.726	7.732	-0.1	93	-0.01
70		4-ethyl toluene	13.028	15.339	-17.7	129	0.00
71		1,3,5-trimethylbenzene	12.161	13.260	-9.0	95	0.00
72		tert-butylbenzene	11.661	12.011	-3.0	90	0.00
73		1,2,4-trimethylbenzene	12.018	12.862	-7.0	94	0.00
74	C	Benzyl Chloride	6.229	7.273	-16.8	131	0.00
75		1,3-dichlorobenzene	9.347	9.811	-5.0	93	0.00
76	C	1,4-dichlorobenzene	9.405	9.856	-4.8	92	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229121_Ev2.D
Acq On : 7 Feb 2025 7:08 PM
Operator : AIRLAB22:APR
Sample : CTO15-SIMSTD5.0
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 11 14:41:54 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 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	17.774	18.388	-3.5	91	0.00
78		p-isopropyltoluene	14.267	13.784	3.4	84	0.00
79		1,2-dichlorobenzene	8.913	9.222	-3.5	92	0.00
80		n-butylbenzene	12.872	13.314	-3.4	91	0.00
81		1,2-dibromo-3-chloropropane	2.778	2.688	3.2	86	0.00
82	C	1,2,4-trichlorobenzene	7.332	8.070	-10.1	91	0.00
83		naphthalene	18.494	19.013	-2.8	84	0.00
84		1,2,3-trichlorobenzene	6.805	7.179	-5.5	85	0.00
85	C	hexachlorobutadiene	5.260	5.362	-1.9	87	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229121_Ev2.D
Acq On : 7 Feb 2025 7:08 PM
Operator : AIRLAB22:APR
Sample : CTO15-SIMSTD5.0
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 11 14:41:54 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	4.557	49	290291	10.000	ppbV	-0.01
Standard Area = 314516			Recovery = 92.30%			
33) 1,4-difluorobenzene	5.443	114	926526	10.000	ppbV	-0.01
Standard Area = 1018308			Recovery = 90.99%			
51) chlorobenzene-D5	7.353	54	87815	10.000	ppbV	-0.01
Standard Area = 101278			Recovery = 86.71%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	4.903	65	145747	8.613	ppbV	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.13%			
53) toluene-D8	6.533	98	810996	9.959	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.59%			
67) bromofluorobenzene	8.047	95	567694	10.037	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.37%			
Target Compounds						Qvalue
2) propylene	2.465	41	159362	5.260	ppbV	95
3) dichlorodifluoromethane	2.500	85	143960	4.383	ppbV	100
4) chloromethane	2.575	50	85713	4.554	ppbV	100
5) Freon-114	2.620	85	192140	5.131	ppbV	94
6) vinyl chloride	2.670	62	93449	4.537	ppbV	100
7) 1,3-butadiene	2.730	54	81506	5.182	ppbV	97
8) bromomethane	2.845	94	79944	4.740	ppbV	100
9) chloroethane	2.920	64	60260	5.513	ppbV	99
10) ethanol	2.959	31	263631	22.565	ppbV	97
11) vinyl bromide	3.070	106	80879	5.386	ppbV	100
12) acrolein	3.118	56	41045	3.763	ppbV #	89
13) acetone	3.172	43	556768	26.447	ppbV	98
14) trichlorofluoromethane	3.253	101	101298	4.569	ppbV	99
15) isopropyl alcohol	3.277	45	389703	12.559	ppbV	100
16) acrylonitrile	3.376	53	117096	4.334	ppbV	100
17) 1,1-dichloroethene	3.535	61	141581	4.588	ppbV	91
18) tertiary butyl alcohol	3.555	59	170399	5.257	ppbV	99
19) methylene chloride	3.585	49	131992	5.031	ppbV	93
20) 3-chloropropene	3.640	41	189841	5.174	ppbV	96
21) carbon disulfide	3.725	76	383002	5.467	ppbV	98
22) Freon 113	3.705	101	211090	4.612	ppbV	96
23) trans-1,2-dichloroethene	4.007	61	149096	4.978	ppbV	97
24) 1,1-dichloroethane	4.100	63	202089	4.549	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229121_Ev2.D
Acq On : 7 Feb 2025 7:08 PM
Operator : AIRLAB22:APR
Sample : CTO15-SIMSTD5.0
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 11 14:41:54 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	4.127	73	295301	5.183	ppbV		99
26) vinyl acetate	4.160	43	194675	3.745	ppbV		97
27) 2-butanone	4.277	43	298264	5.649	ppbV		94
28) cis-1,2-dichloroethene	4.483	61	141407	4.516	ppbV		90
29) Ethyl Acetate	4.577	61	42870	5.913	ppbV	#	51
30) chloroform	4.617	83	158887	4.444	ppbV		99
31) Tetrahydrofuran	4.797	42	176356	5.707	ppbV		98
32) 1,2-dichloroethane	4.957	62	76536	3.951	ppbV		93
34) hexane	4.577	57	199817	5.682	ppbV		81
36) 1,1,1-trichloroethane	5.077	97	139732	4.465	ppbV		98
37) benzene	5.283	78	426784	4.945	ppbV		100
38) carbon tetrachloride	5.357	117	109842	4.566	ppbV	#	96
39) cyclohexane	5.410	56	225200	5.256	ppbV		98
40) Dibromomethane	5.643	93	102785	4.436	ppbV	#	100
41) 1,2-dichloropropane	5.657	63	149571	4.691	ppbV		99
42) bromodichloromethane	5.743	83	168504	5.197	ppbV		99
43) 1,4-dioxane	5.763	88	102634	5.322	ppbV		92
44) trichloroethene	5.763	130	191006	4.831	ppbV		100
45) 2,2,4-trimethylpentane	5.777	57	649965	5.744	ppbV		98
46) heptane	5.890	43	282407	5.544	ppbV		99
47) cis-1,3-dichloropropene	6.140	75	216464	5.259	ppbV		98
48) 4-methyl-2-pentanone	6.153	43	341928	5.767	ppbV		99
49) trans-1,3-dichloropropene	6.367	75	156333	5.328	ppbV		99
50) 1,1,2-trichloroethane	6.453	97	164023	4.824	ppbV		95
52) toluene	6.573	91	476626	5.151	ppbV		99
54) 2-hexanone	6.687	43	327658	5.769	ppbV	#	80
55) dibromochloromethane	6.767	129	208509	5.734	ppbV		99
56) 1,2-dibromoethane	6.873	107	218276	5.302	ppbV		100
57) tetrachloroethene	7.080	166	222304	4.983	ppbV		98
58) 1,1,1,2-tetrachloroethane	7.367	131	148556	4.798	ppbV		99
59) chlorobenzene	7.380	112	421418	5.141	ppbV		97
60) ethylbenzene	7.540	91	565836	5.020	ppbV		95
61) m+p-xylene	7.620	91	902464	10.175	ppbV		96
62) bromoform	7.667	173	171411	5.939	ppbV		100
63) styrene	7.787	104	449843	5.400	ppbV		98
64) 1,1,2,2-tetrachloroethane	7.833	83	327624	5.220	ppbV		99
65) o-xylene	7.833	91	453632	5.098	ppbV		95
66) 1,2,3-Trichloropropane	7.893	75	248550	5.017	ppbV		98
68) isopropylbenzene	8.107	105	638268	5.190	ppbV		100
69) Bromobenzene	8.153	77	339504	5.004	ppbV		96

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229121_Ev2.D
Acq On : 7 Feb 2025 7:08 PM
Operator : AIRLAB22:APR
Sample : CTO15-SIMSTD5.0
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 11 14:41:54 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\r229113_Ev2.D
Sub List : Default - All compounds listed

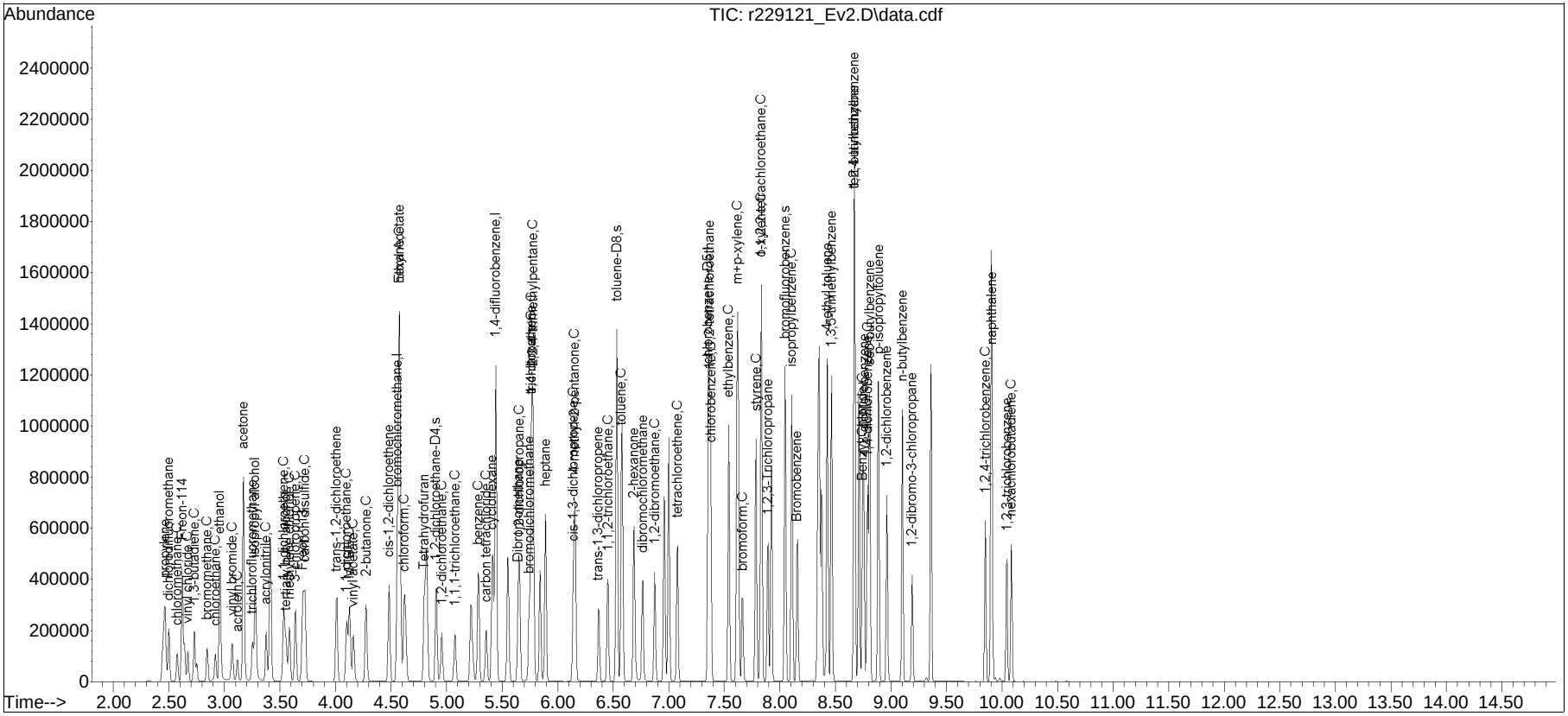
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	8.427	105	673494	5.887	ppbV	100
71) 1,3,5-trimethylbenzene	8.467	105	582195	5.452	ppbV	99
72) tert-butylbenzene	8.670	119	527365	5.150	ppbV	100
73) 1,2,4-trimethylbenzene	8.670	105	564720	5.351	ppbV	96
74) Benzyl Chloride	8.743	91	319347	5.838	ppbV	98
75) 1,3-dichlorobenzene	8.757	146	430763	5.248	ppbV	99
76) 1,4-dichlorobenzene	8.790	146	432750	5.240	ppbV	99
77) sec-butylbenzene	8.810	105	807392	5.173	ppbV	99
78) p-isopropyltoluene	8.890	119	605222	4.831	ppbV	90
79) 1,2-dichlorobenzene	8.963	146	404908	5.174	ppbV	99
80) n-butylbenzene	9.103	91	584572	5.172	ppbV	99
81) 1,2-dibromo-3-chloropr...	9.190	75	118045	4.840	ppbV	95
82) 1,2,4-trichlorobenzene	9.850	180	354334	5.503	ppbV	98
83) naphthalene	9.910	128	834793	5.140	ppbV #	96
84) 1,2,3-trichlorobenzene	10.045	180	315203	5.275	ppbV #	92
85) hexachlorobutadiene	10.083	225	235443	5.098	ppbV	98

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

Sub List : Default - All compounds listed2\0206SIM_I\r229113_Ev2.D

Data Path : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\
Data File : r229121_Ev2.D
Acq On : 7 Feb 2025 7:08 PM
Operator : AIRLAB22:APR
Sample : CTO15-SIMSTD5.0
Misc : WG2029249
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 11 14:41:54 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0206SIM_I\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab22\20	QMethod	: TSIM22_250206.M
Data File	: r229121_Ev2.D	Operator	: AIRLAB22:APR
Date Inj'd	: 2/7/2025 7:08 PM	Instrument	:
Sample	: CTO15-SIMSTD5.0	Quant Date	: 2/11/2025 2:41 pm

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

Continuing Calibration

Calibration Verification Summary
Form 7
Air Volatiles

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387		
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111		
Instrument ID	: AIRLAB22	Calibration Date	: 02/19/25 17:02		
Lab File ID	: R229324_EV2	Init. Calib. Date(s)	: 02/06/25	02/07/25	
Sample No	: WG2032006-2	Init. Calib. Times	: 19:30	14:57	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
bromochloromethane	1	1	-	0	30	101	-.01
propylene	1.044	0.833	-	20.2	30	101	0
dichlorodifluoromethane	1.131	1.238	-	-9.5	30	114	-.01
chloromethane	0.648	0.551	-	15	30	93	-.02
Freon-114	1.29	1.554	-	-20.5	30	127	-.02
vinyl chloride	0.71	0.783	-	-10.3	30	118	0
1,3-butadiene	0.542	0.583	-	-7.6	30	152	-.02
bromomethane	0.581	0.658	-	-13.3	30	127	-.02
chloroethane	0.377	0.422	-	-11.9	30	123	-.01
ethanol	0.402	0.389	-	3.2	30	106	-.02
vinyl bromide	0.517	0.596	-	-15.3	30	154	-.02
acrolein	0.376	0.318	-	15.4	30	99	-.01
acetone	0.725	0.892	-	-23	30	166	-.02
trichlorofluoromethane	0.764	0.945	-	-23.7	30	133	-.02
isopropyl alcohol	1.069	1.205	-	-12.7	30	155	-.02
acrylonitrile	0.931	0.672	-	27.8	30	80	-.01
1,1-dichloroethene	1.063	1.191	-	-12	30	116	0
tertiary butyl alcohol	1.117	1.337	-	-19.7	30	128	-.02
methylene chloride	0.904	0.813	-	10.1	30	95	-.02
3-chloropropene	1.264	1.304	-	-3.2	30	136	-.02
carbon disulfide	2.413	2.472	-	-2.4	30	136	-.02
Freon 113	1.577	1.407	-	10.8	30	83	-.02
trans-1,2-dichloroethene	1.032	1.179	-	-14.2	30	149	-.01
1,1-dichloroethane	1.53	1.515	-	1	30	105	-.01
MTBE	1.963	2.012	-	-2.5	30	138	-.01
vinyl acetate	1.791	1.169	-	34.7*	30	98	-.01
2-butanone	1.819	1.917	-	-5.4	30	141	-.01
cis-1,2-dichloroethene	1.079	1.131	-	-4.8	30	109	-.01
Ethyl Acetate	0.25	0.301	-	-20.4	30	156	-.01
chloroform	1.232	1.345	-	-9.2	30	115	0
Tetrahydrofuran	1.065	1.158	-	-8.7	30	142	-.01
1,2-dichloroethane	0.667	0.776	-	-16.3	30	126	-.01
1,4-difluorobenzene	1	1	-	0	30	99	-.01
hexane	0.38	0.457	-	-20.3	30	154	-.01
1,1,1-trichloroethane	0.338	0.391	-	-15.7	30	114	-.01
benzene	0.932	0.837	-	10.2	30	94	0
carbon tetrachloride	0.26	0.32	-	-23.1	30	132	-.01
cyclohexane	0.462	0.502	-	-8.7	30	147	0
Dibromomethane	0.25	0.227	-	9.2	30	98	-.01
1,2-dichloropropane	0.344	0.321	-	6.7	30	99	-.01
bromodichloromethane	0.35	0.442	-	-26.3	30	165	-.01
1,4-dioxane	0.208	0.213	-	-2.4	30	139	-.01
trichloroethene	0.427	0.386	-	9.6	30	95	-.01

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Air Volatiles

Client	: NYDEC_Env. Assessment & Remediation	Lab Number	: L2506387		
Project Name	: FORMER FRESH AND CLEAN LAUNDRY	Project Number	: CO 152705/S 130111		
Instrument ID	: AIRLAB22	Calibration Date	: 02/19/25 17:02		
Lab File ID	: R229324_EV2	Init. Calib. Date(s)	: 02/06/25	02/07/25	
Sample No	: WG2032006-2	Init. Calib. Times	: 19:30	14:57	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
2,2,4-trimethylpentane	1.221	1.477	-	-21	30	153	-.01
heptane	0.55	0.565	-	-2.7	30	123	-.01
cis-1,3-dichloropropene	0.444	0.455	-	-2.5	30	108	-.01
4-methyl-2-pentanone	0.64	0.685	-	-7	30	129	-.01
trans-1,3-dichloropropene	0.317	0.356	-	-12.3	30	121	-.01
1,1,2-trichloroethane	0.367	0.331	-	9.8	30	93	0
chlorobenzene-D5	1	1	-	0	30	122	-.01
toluene	10.538	8.369	-	20.6	30	100	-.01
2-hexanone	6.467	5.357	-	17.2	30	130	0
dibromochloromethane	4.141	3.816	-	7.8	30	148	0
1,2-dibromoethane	4.688	3.846	-	18	30	106	0
tetrachloroethene	5.08	3.563	-	29.9	30	89	-.01
1,1,1,2-tetrachloroethane	3.526	2.751	-	22	30	102	-.01
chlorobenzene	9.336	6.923	-	25.8	30	95	-.01
ethylbenzene	12.836	10.266	-	20	30	101	0
m+p-xylene	10.101	8.373	-	17.1	30	104	0
bromoform	3.287	3.053	-	7.1	30	146	-.01
styrene	9.487	6.957	-	26.7	30	92	-.01
1,1,2,2-tetrachloroethane	7.147	6.001	-	16	30	105	-.01
o-xylene	10.132	8.469	-	16.4	30	106	0
1,2,3-Trichloropropane	5.641	4.312	-	23.6	30	99	-.01
isopropylbenzene	14.003	10.545	-	24.7	30	95	0
Bromobenzene	7.726	5.753	-	25.5	30	97	-.01
4-ethyl toluene	13.028	11.125	-	14.6	30	132	0
1,3,5-trimethylbenzene	12.161	9.729	-	20	30	98	0
tert-butylbenzene	11.661	9.626	-	17.5	30	102	0
1,2,4-trimethylbenzene	12.018	9.632	-	19.9	30	99	0
Benzyl Chloride	6.229	5.755	-	7.6	30	146	0
1,3-dichlorobenzene	9.347	7.243	-	22.5	30	97	0
1,4-dichlorobenzene	9.405	7.231	-	23.1	30	95	0
sec-butylbenzene	17.774	13.035	-	26.7	30	91	-.01
p-isopropyltoluene	14.267	10.86	-	23.9	30	94	0
1,2-dichlorobenzene	8.913	6.741	-	24.4	30	95	0
n-butylbenzene	12.872	10.441	-	18.9	30	101	0
1,2-dibromo-3-chloropropan	2.778	2.269	-	18.3	30	102	0
1,2,4-trichlorobenzene	7.332	5.549	-	24.3	30	88	0
naphthalene	18.494	13.156	-	28.9	30	82	0
1,2,3-trichlorobenzene	6.805	4.856	-	28.6	30	81	0
hexachlorobutadiene	5.26	3.918	-	25.5	30	90	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229324_Ev2.D
Acq On : 19 Feb 2025 5:02 PM
Operator : AIRLAB22:TPH
Sample : WG2032006-2,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 19 20:00:16 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 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	101	-0.01
2		propylene	1.044	0.833	20.2	101	0.00
3		dichlorodifluoromethane	1.131	1.238	-9.5	114	-0.01
4	C	chloromethane	0.648	0.551	15.0	93	-0.02
5		Freon-114	1.290	1.554	-20.5	127	-0.02
6	C	vinyl chloride	0.710	0.783	-10.3	118	0.00
7	C	1,3-butadiene	0.542	0.583	-7.6	152#	-0.02
8	C	bromomethane	0.581	0.658	-13.3	127	-0.02
9	C	chloroethane	0.377	0.422	-11.9	123	-0.01
10		ethanol	0.402	0.389	3.2	106	-0.02
11	C	vinyl bromide	0.517	0.596	-15.3	154#	-0.02
12	C	acrolein	0.376	0.318	15.4	99	-0.01
13		acetone	0.725	0.892	-23.0	166#	-0.02
14		trichlorofluoromethane	0.764	0.945	-23.7	133	-0.02
15		isopropyl alcohol	1.069	1.205	-12.7	155#	-0.02
16	C	acrylonitrile	0.931	0.672	27.8	80	-0.01
17	C	1,1-dichloroethene	1.063	1.191	-12.0	116	0.00
18		tertiary butyl alcohol	1.117	1.337	-19.7	128	-0.02
19	C	methylene chloride	0.904	0.813	10.1	95	-0.02
20	C	3-chloropropene	1.264	1.304	-3.2	136	-0.02
21	C	carbon disulfide	2.413	2.472	-2.4	136	-0.02
22		Freon 113	1.577	1.407	10.8	83	-0.02
23		trans-1,2-dichloroethene	1.032	1.179	-14.2	149#	-0.01
24	C	1,1-dichloroethane	1.530	1.515	1.0	105	-0.01
25	C	MTBE	1.963	2.012	-2.5	138	-0.01
26	C	vinyl acetate	1.791	1.169	34.7#	98	-0.01
27	C	2-butanone	1.819	1.917	-5.4	141#	-0.01
28		cis-1,2-dichloroethene	1.079	1.131	-4.8	109	-0.01
29		Ethyl Acetate	0.250	0.301	-20.4	156#	-0.01
30	C	chloroform	1.232	1.345	-9.2	115	0.00
31		Tetrahydrofuran	1.065	1.158	-8.7	142#	-0.01
32	C	1,2-dichloroethane	0.667	0.776	-16.3	126	-0.01
33	I	1,4-difluorobenzene	1.000	1.000	0.0	99	-0.01
34	C	hexane	0.380	0.457	-20.3	154#	-0.01
36	C	1,1,1-trichloroethane	0.338	0.391	-15.7	114	-0.01
37	C	benzene	0.932	0.837	10.2	94	0.00
38	C	carbon tetrachloride	0.260	0.320	-23.1	132	-0.01
39		cyclohexane	0.462	0.502	-8.7	147#	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229324_Ev2.D
Acq On : 19 Feb 2025 5:02 PM
Operator : AIRLAB22:TPH
Sample : WG2032006-2,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 19 20:00:16 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 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	0.250	0.227	9.2	98	-0.01
41	C	1,2-dichloropropane	0.344	0.321	6.7	99	-0.01
42		bromodichloromethane	0.350	0.442	-26.3	165#	-0.01
43	C	1,4-dioxane	0.208	0.213	-2.4	139	-0.01
44	C	trichloroethene	0.427	0.386	9.6	95	-0.01
45	C	2,2,4-trimethylpentane	1.221	1.477	-21.0	153#	-0.01
46		heptane	0.550	0.565	-2.7	123	-0.01
47	C	cis-1,3-dichloropropene	0.444	0.455	-2.5	108	-0.01
48	C	4-methyl-2-pentanone	0.640	0.685	-7.0	129	-0.01
49		trans-1,3-dichloropropene	0.317	0.356	-12.3	121	-0.01
50	C	1,1,2-trichloroethane	0.367	0.331	9.8	93	0.00
51	I	chlorobenzene-D5	1.000	1.000	0.0	122	-0.01
52	C	toluene	10.538	8.369	20.6	100	-0.01
54		2-hexanone	6.467	5.357	17.2	130	0.00
55		dibromochloromethane	4.141	3.816	7.8	148#	0.00
56	C	1,2-dibromoethane	4.688	3.846	18.0	106	0.00
57	C	tetrachloroethene	5.080	3.563	29.9	89	-0.01
58		1,1,1,2-tetrachloroethane	3.526	2.751	22.0	102	-0.01
59	C	chlorobenzene	9.336	6.923	25.8	95	-0.01
60	C	ethylbenzene	12.836	10.266	20.0	101	0.00
61	C	m+p-xylene	10.101	8.373	17.1	104	0.00
62	C	bromoform	3.287	3.053	7.1	146#	-0.01
63	C	styrene	9.487	6.957	26.7	92	-0.01
64	C	1,1,2,2-tetrachloroethane	7.147	6.001	16.0	105	-0.01
65	C	o-xylene	10.132	8.469	16.4	106	0.00
66		1,2,3-Trichloropropane	5.641	4.312	23.6	99	-0.01
68	C	isopropylbenzene	14.003	10.545	24.7	95	0.00
69		Bromobenzene	7.726	5.753	25.5	97	-0.01
70		4-ethyl toluene	13.028	11.125	14.6	132	0.00
71		1,3,5-trimethylbenzene	12.161	9.729	20.0	98	0.00
72		tert-butylbenzene	11.661	9.626	17.5	102	0.00
73		1,2,4-trimethylbenzene	12.018	9.632	19.9	99	0.00
74	C	Benzyl Chloride	6.229	5.755	7.6	146#	0.00
75		1,3-dichlorobenzene	9.347	7.243	22.5	97	0.00
76	C	1,4-dichlorobenzene	9.405	7.231	23.1	95	0.00
77		sec-butylbenzene	17.774	13.035	26.7	91	-0.01
78		p-isopropyltoluene	14.267	10.860	23.9	94	0.00
79		1,2-dichlorobenzene	8.913	6.741	24.4	95	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229324_Ev2.D
Acq On : 19 Feb 2025 5:02 PM
Operator : AIRLAB22:TPH
Sample : WG2032006-2,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 19 20:00:16 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 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	12.872	10.441	18.9	101	0.00
81	1,2-dibromo-3-chloropropane	2.778	2.269	18.3	102	0.00
82 C	1,2,4-trichlorobenzene	7.332	5.549	24.3	88	0.00
83	naphthalene	18.494	13.156	28.9	82	0.00
84	1,2,3-trichlorobenzene	6.805	4.856	28.6	81	0.00
85 C	hexachlorobutadiene	5.260	3.918	25.5	90	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229324_Ev2.D
Acq On : 19 Feb 2025 5:02 PM
Operator : AIRLAB22:TPH
Sample : WG2032006-2,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 19 20:00:16 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0219SIM\r229324_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	4.557	49	316137	10.000	ppbV		-0.01
Standard Area = 316137			Recovery = 100.00%				
33) 1,4-difluorobenzene	5.443	114	1013027	10.000	ppbV		-0.01
Standard Area = 1013027			Recovery = 100.00%				
51) chlorobenzene-D5	7.353	54	123842	10.000	ppbV	#	-0.01
Standard Area = 123842			Recovery = 100.00%				
System Monitoring Compounds							
Target Compounds							Qvalue
2) propylene	2.470	41	131666M6	3.990	ppbV		
3) dichlorodifluoromethane	2.505	85	195721	5.472	ppbV		99
4) chloromethane	2.580	50	87039	4.246	ppbV		98
5) Freon-114	2.625	85	245630	6.023	ppbV		91
6) vinyl chloride	2.680	62	123779	5.518	ppbV		99
7) 1,3-butadiene	2.735	54	92180	5.381	ppbV	#	81
8) bromomethane	2.850	94	103947	5.659	ppbV		98
9) chloroethane	2.926	64	66678	5.602	ppbV		95
10) ethanol	2.965	31	307721	24.186	ppbV		96
11) vinyl bromide	3.076	106	94149	5.758	ppbV		98
12) acrolein	3.124	56	50316	4.236	ppbV		98
13) acetone	3.178	43	705008	30.751	ppbV		98
14) trichlorofluoromethane	3.259	101	149373	6.187	ppbV		100
15) isopropyl alcohol	3.283	45	476049	14.087	ppbV		99
16) acrylonitrile	3.382	53	106283	3.612	ppbV		99
17) 1,1-dichloroethene	3.540	61	188217	5.600	ppbV		93
18) tertiary butyl alcohol	3.560	59	211318	5.986	ppbV		96
19) methylene chloride	3.590	49	128560	4.500	ppbV		91
20) 3-chloropropene	3.645	41	206124	5.158	ppbV	#	92
21) carbon disulfide	3.730	76	390683	5.121	ppbV		100
22) Freon 113	3.710	101	222468	4.463	ppbV		95
23) trans-1,2-dichloroethene	4.013	61	186392	5.715	ppbV		89
24) 1,1-dichloroethane	4.107	63	239532	4.952	ppbV		98
25) MTBE	4.133	73	318034	5.126	ppbV		99
26) vinyl acetate	4.167	43	184810	3.265	ppbV		98
27) 2-butanone	4.277	43	303034	5.271	ppbV		99
28) cis-1,2-dichloroethene	4.483	61	178713	5.241	ppbV		86
29) Ethyl Acetate	4.577	61	47590	6.027	ppbV	#	51
30) chloroform	4.623	83	212588	5.460	ppbV	#	97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229324_Ev2.D
Acq On : 19 Feb 2025 5:02 PM
Operator : AIRLAB22:TPH
Sample : WG2032006-2,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 19 20:00:16 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0219SIM\r229324_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
31) Tetrahydrofuran	4.803	42	183009	5.438	ppbV		99
32) 1,2-dichloroethane	4.957	62	122688	5.815	ppbV	#	90
34) hexane	4.583	57	231606	6.023	ppbV		75
36) 1,1,1-trichloroethane	5.077	97	198007	5.786	ppbV		95
37) benzene	5.290	78	423950	4.493	ppbV		100
38) carbon tetrachloride	5.357	117	162231	6.168	ppbV	#	97
39) cyclohexane	5.417	56	254420	5.431	ppbV		98
40) Dibromomethane	5.643	93	114957	4.537	ppbV	#	90
41) 1,2-dichloropropane	5.657	63	162502	4.661	ppbV	#	97
42) bromodichloromethane	5.743	83	223817	6.313	ppbV		99
43) 1,4-dioxane	5.763	88	108010	5.123	ppbV		98
44) trichloroethene	5.763	130	195564	4.524	ppbV		98
45) 2,2,4-trimethylpentane	5.777	57	747996	6.046	ppbV		99
46) heptane	5.890	43	286100	5.137	ppbV		93
47) cis-1,3-dichloropropene	6.140	75	230530	5.122	ppbV	#	91
48) 4-methyl-2-pentanone	6.153	43	347068	5.354	ppbV		95
49) trans-1,3-dichloropropene	6.367	75	180083	5.613	ppbV	#	92
50) 1,1,2-trichloroethane	6.453	97	167586	4.507	ppbV		93
52) toluene	6.573	91	518243	3.971	ppbV		98
54) 2-hexanone	6.687	43	331709	4.142	ppbV	#	86
55) dibromochloromethane	6.767	129	236319	4.608	ppbV		99
56) 1,2-dibromoethane	6.873	107	238130	4.102	ppbV		99
57) tetrachloroethene	7.073	166	220608	3.506	ppbV	#	90
58) 1,1,1,2-tetrachloroethane	7.367	131	170359	3.902	ppbV		97
59) chlorobenzene	7.373	112	428649	3.708	ppbV		92
60) ethylbenzene	7.540	91	635696	3.999	ppbV		97
61) m+p-xylene	7.620	91	1036905	8.289	ppbV		92
62) bromoform	7.660	173	189051	4.644	ppbV		99
63) styrene	7.780	104	430805	3.667	ppbV	#	91
64) 1,1,2,2-tetrachloroethane	7.827	83	371610	4.198	ppbV		99
65) o-xylene	7.833	91	524405	4.179	ppbV		95
66) 1,2,3-Trichloropropane	7.887	75	267002	3.822	ppbV	#	95
68) isopropylbenzene	8.107	105	652935	3.765	ppbV		96
69) Bromobenzene	8.153	77	356211	3.723	ppbV		99
70) 4-ethyl toluene	8.427	105	688845	4.270	ppbV		96
71) 1,3,5-trimethylbenzene	8.467	105	602417	4.000	ppbV		95
72) tert-butylbenzene	8.670	119	596032	4.127	ppbV		95
73) 1,2,4-trimethylbenzene	8.670	105	596438	4.008	ppbV		98
74) Benzyl Chloride	8.743	91	356374	4.620	ppbV		96
75) 1,3-dichlorobenzene	8.757	146	448512	3.874	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229324_Ev2.D
Acq On : 19 Feb 2025 5:02 PM
Operator : AIRLAB22:TPH
Sample : WG2032006-2,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 19 20:00:16 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0219SIM\r229324_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

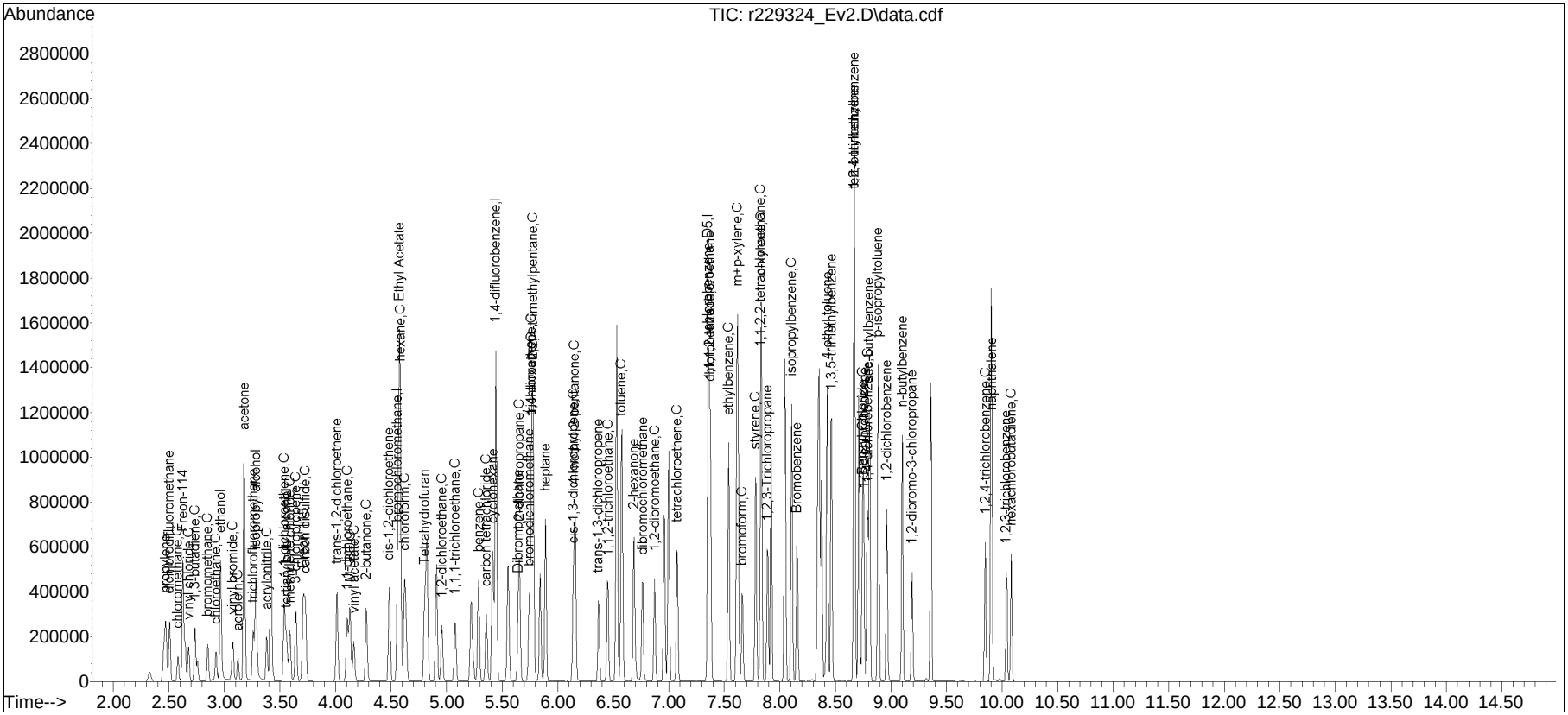
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
76) 1,4-dichlorobenzene	8.790	146	447760	3.844	ppbV		99
77) sec-butylbenzene	8.803	105	807165	3.667	ppbV		92
78) p-isopropyltoluene	8.883	119	672470	3.806	ppbV		98
79) 1,2-dichlorobenzene	8.963	146	417402	3.782	ppbV		99
80) n-butylbenzene	9.103	91	646518	4.056	ppbV		95
81) 1,2-dibromo-3-chloropr...	9.190	75	140520	4.085	ppbV		92
82) 1,2,4-trichlorobenzene	9.850	180	343569	3.784	ppbV	#	94
83) naphthalene	9.910	128	814615	3.557	ppbV		99
84) 1,2,3-trichlorobenzene	10.038	180	300714	3.568	ppbV	#	92
85) hexachlorobutadiene	10.083	225	242629	3.725	ppbV	#	93

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

Sub List : Default-LCS-AP2 - All compounds listedM\r229324_Ev2.D

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229324_Ev2.D
Acq On : 19 Feb 2025 5:02 PM
Operator : AIRLAB22:TPH
Sample : WG2032006-2,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

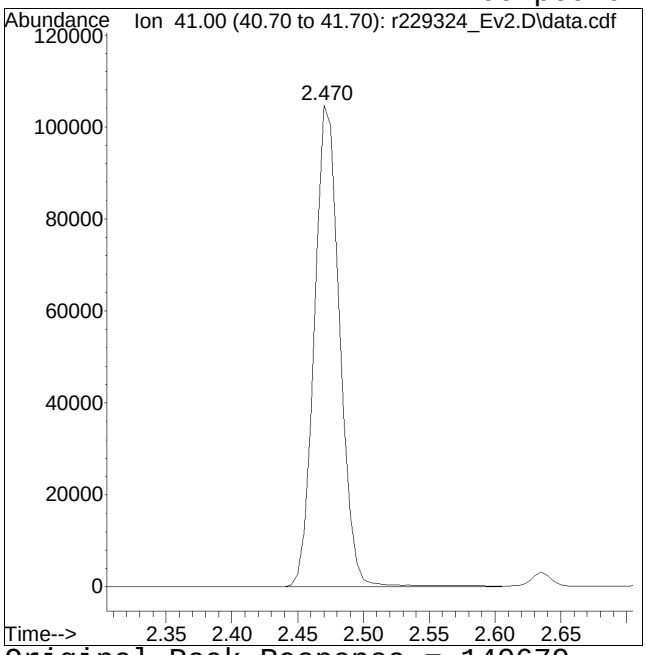
Quant Time: Feb 19 20:00:16 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration



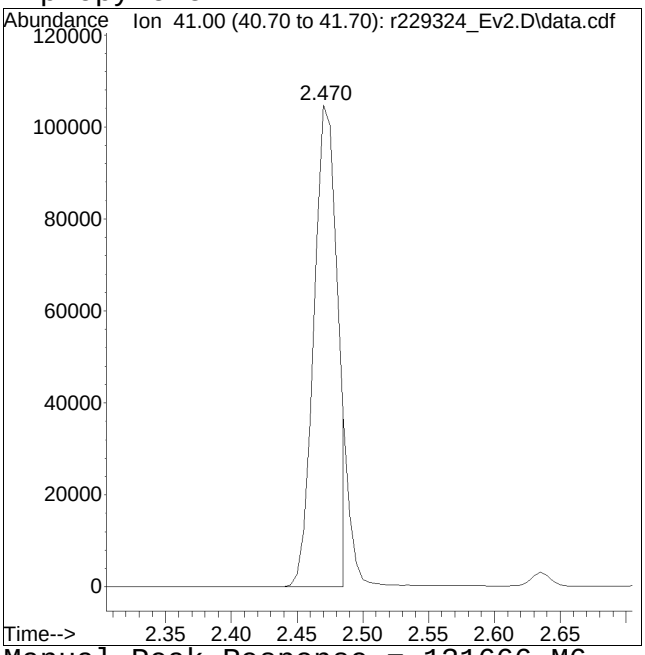
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab22\20QMethod : TSIM22_250206.M
Data File : r229324_Ev2.D Operator : AIRLAB22:TPH
Date Inj'd : 2/19/2025 5:02 PM Instrument :
Sample : WG2032006-2,3,250,250 Quant Date : 2/19/2025 8:00 pm

Compound #2: propylene



Original Peak Response = 140679



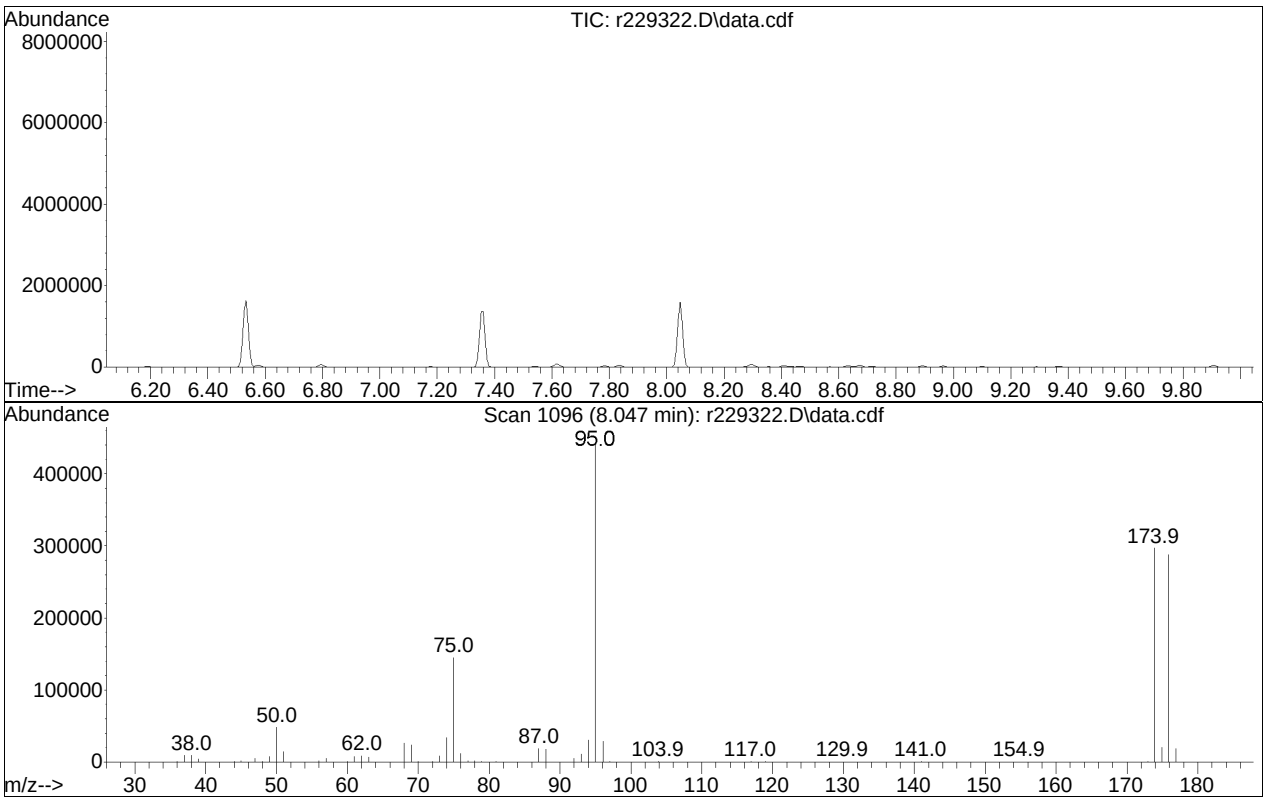
Manual Peak Response = 131666 M6

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

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229322.D
Acq On : 19 Feb 2025 3:57 PM
Operator : AIRLAB22:TPH
Sample : WG2032006-1,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Tue Feb 11 14:41:00 2025



Spectrum Information: Scan 1096

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	10.9	48233	PASS
75	95	30	66	32.8	145214	PASS
95	95	100	100	100.0	443258	PASS
96	95	5	9	6.5	28896	PASS
173	174	0.00	2	0.4	1329	PASS
174	95	50	120	67.0	297191	PASS
175	174	4	9	7.0	20836	PASS
176	174	93	101	96.9	288094	PASS
177	176	5	9	6.6	19016	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229326_Ev2.D
Acq On : 19 Feb 2025 10:07 PM
Operator : AIRLAB22:TPH
Sample : WG2032006-4,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 20 07:48:49 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0219SIM\r229324_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	4.563	49	308732	10.000	ppbV	0.00
Standard Area = 316137			Recovery = 97.66%			
33) 1,4-difluorobenzene	5.443	114	982705	10.000	ppbV	-0.01
Standard Area = 1013027			Recovery = 97.01%			
51) chlorobenzene-D5	7.360	54	124177	10.000	ppbV	# 0.00
Standard Area = 123842			Recovery = 100.27%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	0.000		0	N.D.		
4) chloromethane	0.000		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	2.989	31	785	0.063	ppbV	97
14) trichlorofluoromethane	0.000		0	N.D.		
17) 1,1-dichloroethene	0.000		0	N.D.		
18) tertiary butyl alcohol	3.630		0	N.D.		
19) methylene chloride	3.595	49	408	0.015	ppbV	90
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	4.317	43	569	0.010	ppbV #	91
28) cis-1,2-dichloroethene	0.000		0	N.D.		
30) chloroform	4.563		0	N.D.		
32) 1,2-dichloroethane	0.000		0	N.D.		
34) hexane	4.583		0	N.D.		
36) 1,1,1-trichloroethane	0.000		0	N.D.		
37) benzene	5.290		0	N.D.		
38) carbon tetrachloride	0.000		0	N.D.		
39) cyclohexane	0.000		0	N.D.	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.		

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229326_Ev2.D
Acq On : 19 Feb 2025 10:07 PM
Operator : AIRLAB22:TPH
Sample : WG2032006-4,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 20 07:48:49 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0219SIM\r229324_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

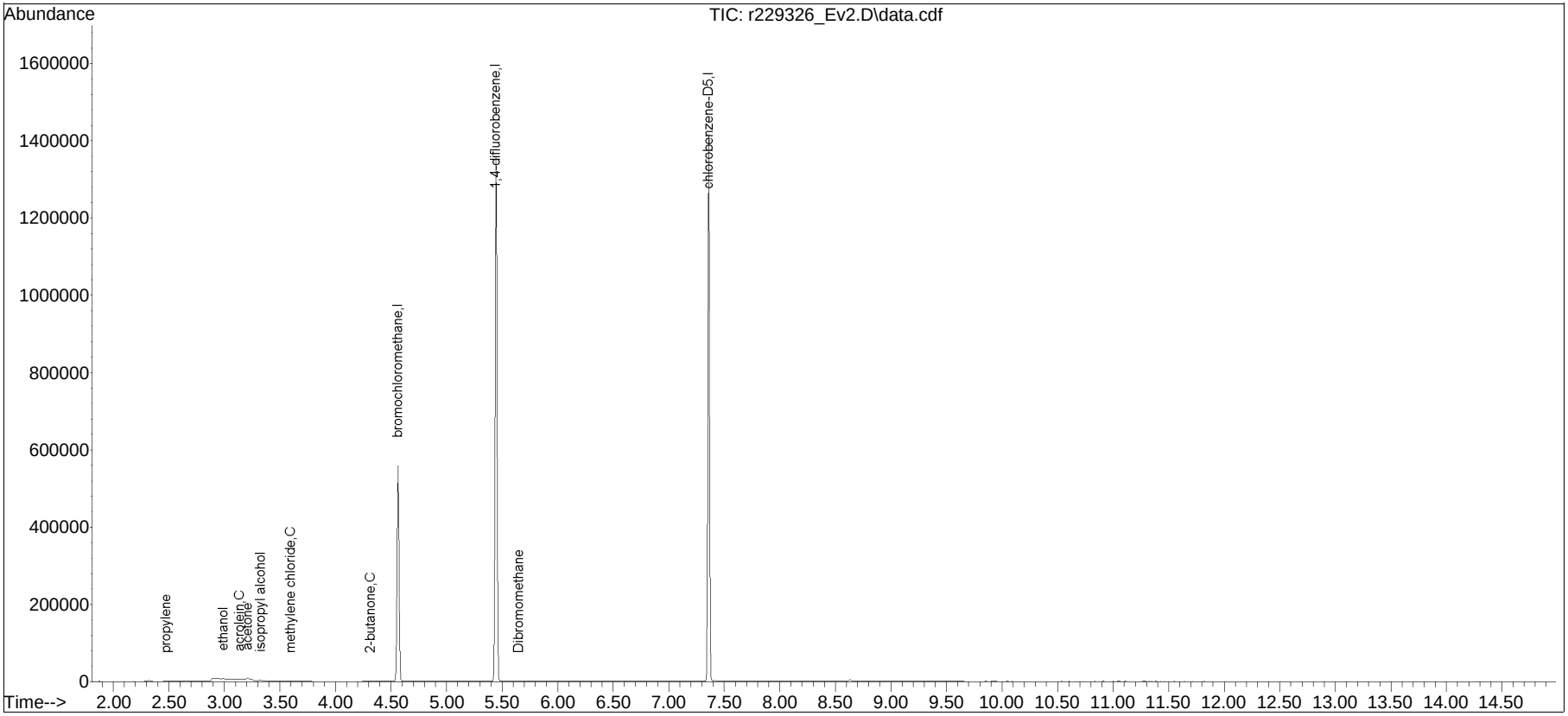
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 2,2,4-trimethylpentane	5.777		0		N.D.	
46) heptane	5.890		0		N.D.	
47) cis-1,3-dichloropropene	0.000		0		N.D.	
48) 4-methyl-2-pentanone	6.213		0		N.D.	
49) trans-1,3-dichloropropene	0.000		0		N.D.	
50) 1,1,2-trichloroethane	0.000		0		N.D.	
52) toluene	6.580		0		N.D.	
55) dibromochloromethane	0.000		0		N.D.	
56) 1,2-dibromoethane	0.000		0		N.D.	
57) tetrachloroethene	7.080		0		N.D.	
59) chlorobenzene	7.380		0		N.D.	
60) ethylbenzene	7.547		0		N.D.	
61) m+p-xylene	7.620		0		N.D.	
62) bromoform	0.000		0		N.D.	
63) styrene	7.793		0		N.D.	
64) 1,1,2,2-tetrachloroethane	0.000		0		N.D.	
65) o-xylene	7.840		0		N.D.	
71) 1,3,5-trimethylbenzene	8.467		0		N.D.	
73) 1,2,4-trimethylbenzene	8.677		0		N.D.	
74) Benzyl Chloride	8.677		0		N.D.	
75) 1,3-dichlorobenzene	8.763		0		N.D.	
76) 1,4-dichlorobenzene	8.797		0		N.D.	
79) 1,2-dichlorobenzene	8.970		0		N.D.	
82) 1,2,4-trichlorobenzene	9.857		0		N.D.	
83) naphthalene	9.910		0		N.D.	
85) hexachlorobutadiene	10.090		0		N.D.	

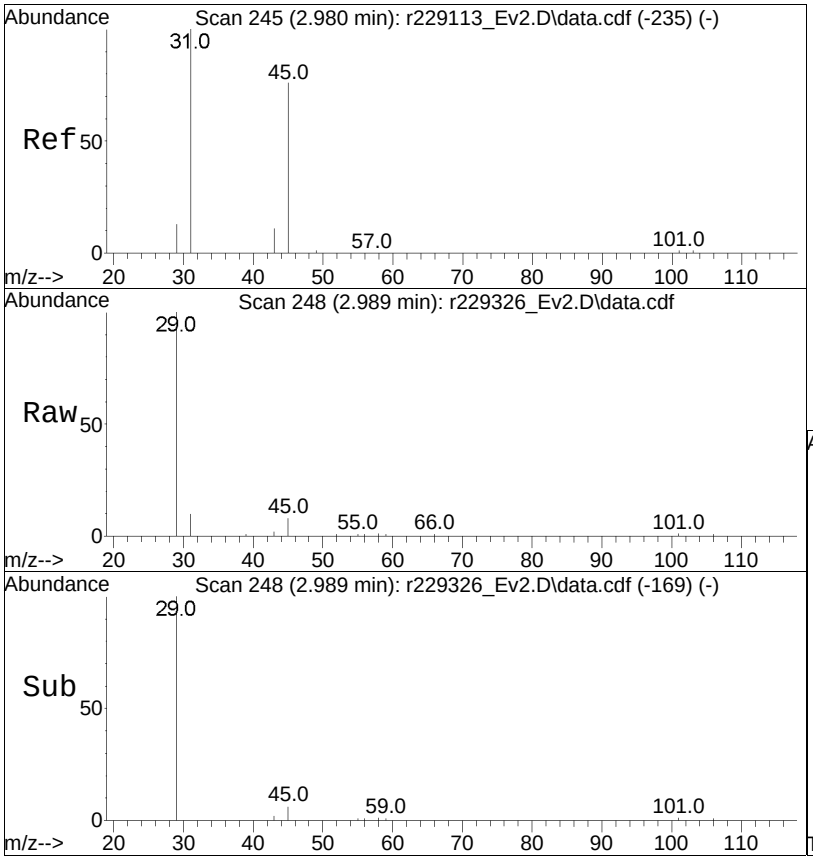
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-LCS-AP2 - All compounds listedM\r229324_Ev2.D

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229326_Ev2.D
Acq On : 19 Feb 2025 10:07 PM
Operator : AIRLAB22:TPH
Sample : WG2032006-4,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 20 07:48:49 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

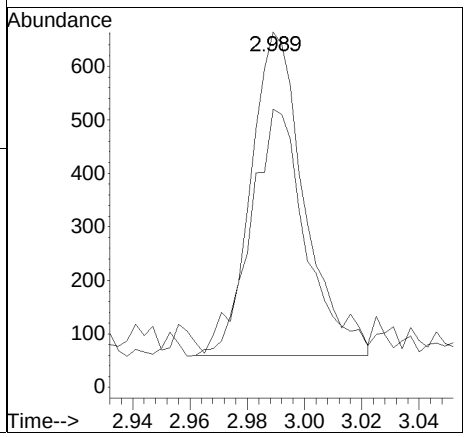


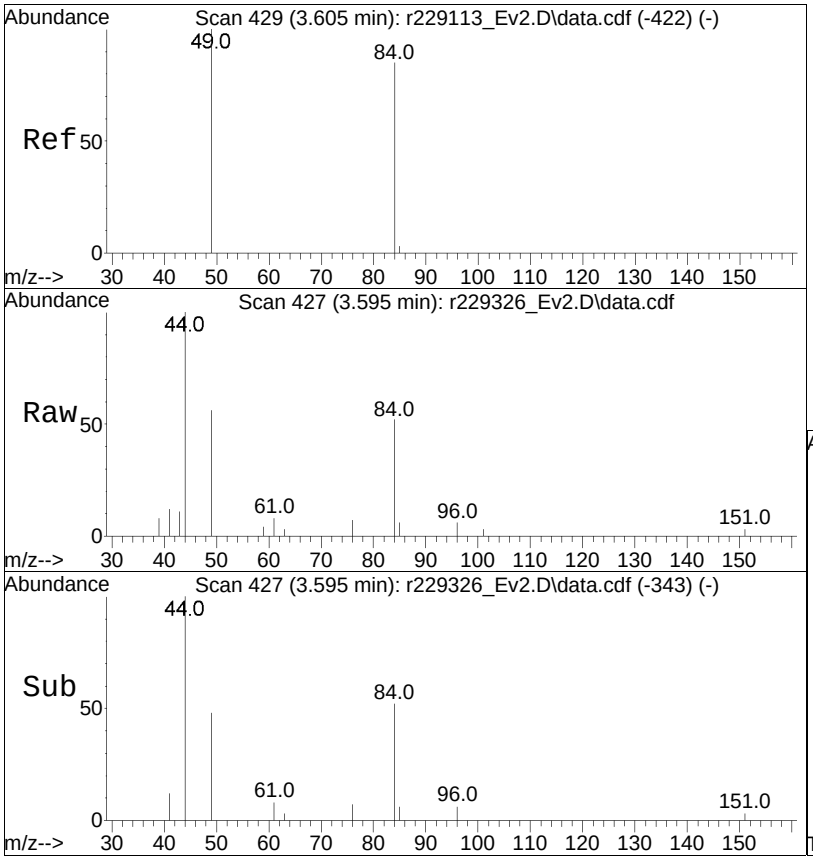


#10
ethanol
Concen: 0.06 ppbV
RT: 2.989 min Scan# 248
Delta R.T. 0.009 min
Lab File: r229326_Ev2.D
Acq: 19 Feb 2025 10:07 PM

Tgt Ion: 31 Resp: 785

Ion	Ratio	Lower	Upper
31	100		
45	78.3	60.7	91.1

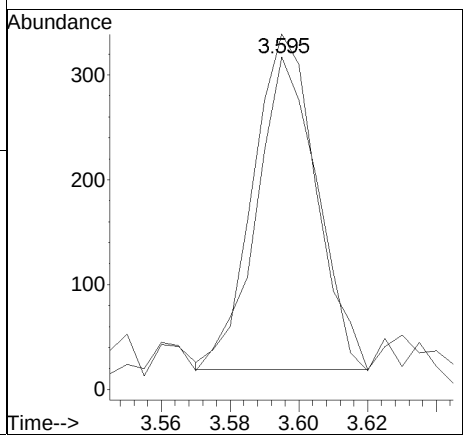


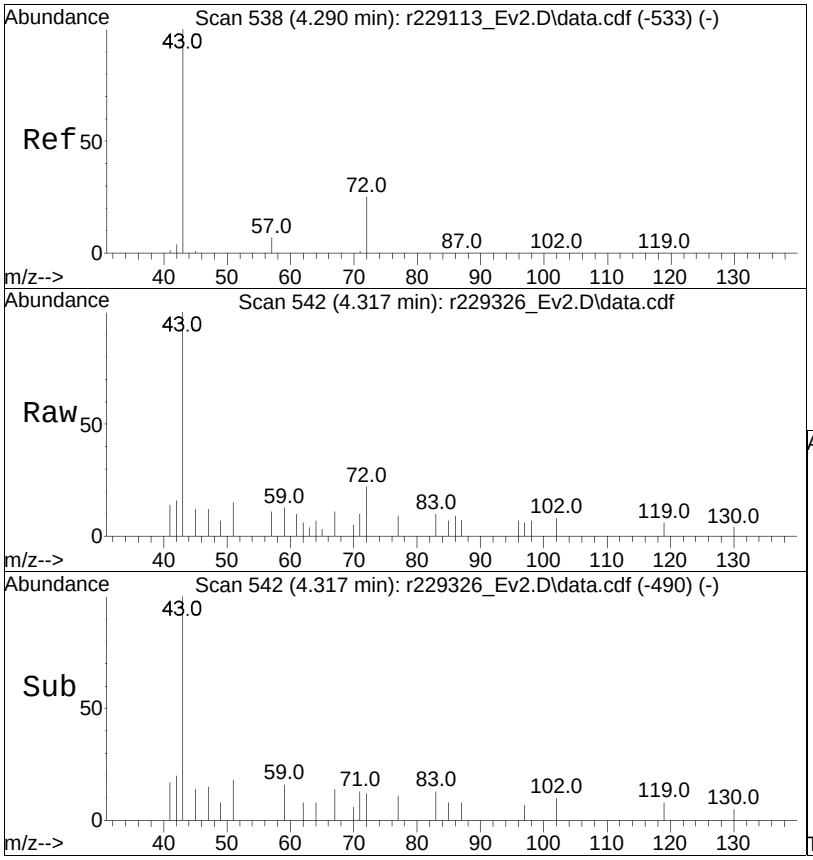


#19
methylene chloride
Concen: 0.01 ppbV
RT: 3.595 min Scan# 427
Delta R.T. -0.010 min
Lab File: r229326_Ev2.D
Acq: 19 Feb 2025 10:07 PM

Tgt Ion: 49 Resp: 408

Ion	Ratio	Lower	Upper
49	100		
84	93.5	67.6	101.4

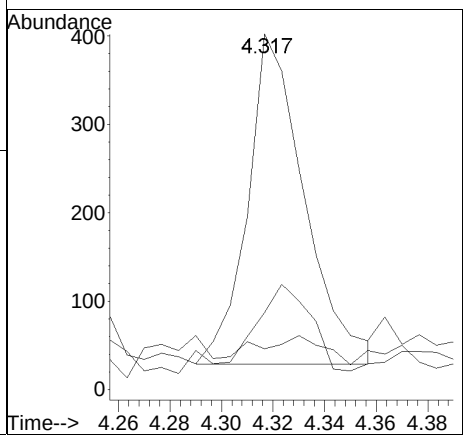




#27
2-butanone
Concen: 0.01 ppbV
RT: 4.317 min Scan# 542
Delta R.T. 0.027 min
Lab File: r229326_Ev2.D
Acq: 19 Feb 2025 10:07 PM

Tgt Ion: 43 Resp: 569

Ion	Ratio	Lower	Upper
43	100		
72	21.6	20.2	30.4
57	11.4	5.4	8.0#



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab22\20	QMethod	: TSIM22_250206.M
Data File	: r229326_Ev2.D	Operator	: AIRLAB22:TPH
Date Inj'd	: 2/19/2025 10:07 PM	Instrument	:
Sample	: WG2032006-4,3,250,250	Quant Date	: 2/20/2025 7:48 am

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

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229324_Ev2.D
Acq On : 19 Feb 2025 5:02 PM
Operator : AIRLAB22:TPH
Sample : WG2032006-3,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 19 20:00:16 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 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	101	-0.01
2		propylene	5.000	3.990	20.2	101	0.00
3		dichlorodifluoromethane	5.000	5.472	-9.4	114	-0.01
4	C	chloromethane	5.000	4.246	15.1	93	-0.02
5		Freon-114	5.000	6.023	-20.5	127	-0.02
6	C	vinyl chloride	5.000	5.518	-10.4	118	0.00
7	C	1,3-butadiene	5.000	5.381	-7.6	152	-0.02
8	C	bromomethane	5.000	5.659	-13.2	127	-0.02
9	C	chloroethane	5.000	5.602	-12.0	123	-0.01
10		ethanol	25.000	24.186	3.3	106	-0.02
11	C	vinyl bromide	5.000	5.758	-15.2	154	-0.02
12	C	acrolein	5.000	4.236	15.3	99	-0.01
13		acetone	25.000	30.751	-23.0	166	-0.02
14		trichlorofluoromethane	5.000	6.187	-23.7	133	-0.02
15		isopropyl alcohol	12.500	14.087	-12.7	155	-0.02
16	C	acrylonitrile	5.000	3.612	27.8	80	-0.01
17	C	1,1-dichloroethene	5.000	5.600	-12.0	116	0.00
18		tertiary butyl alcohol	5.000	5.986	-19.7	128	-0.02
19	C	methylene chloride	5.000	4.500	10.0	95	-0.02
20	C	3-chloropropene	5.000	5.158	-3.2	136	-0.02
21	C	carbon disulfide	5.000	5.121	-2.4	136	-0.02
22		Freon 113	5.000	4.463	10.7	83	-0.02
23		trans-1,2-dichloroethene	5.000	5.715	-14.3	149	-0.01
24	C	1,1-dichloroethane	5.000	4.952	1.0	105	-0.01
25	C	MTBE	5.000	5.126	-2.5	138	-0.01
26	C	vinyl acetate	5.000	3.265	34.7#	98	-0.01
27	C	2-butanone	5.000	5.271	-5.4	141	-0.01
28		cis-1,2-dichloroethene	5.000	5.241	-4.8	109	-0.01
29		Ethyl Acetate	5.000	6.027	-20.5	156	-0.01
30	C	chloroform	5.000	5.460	-9.2	115	0.00
31		Tetrahydrofuran	5.000	5.438	-8.8	142	-0.01
32	C	1,2-dichloroethane	5.000	5.815	-16.3	126	-0.01
33	I	1,4-difluorobenzene	10.000	10.000	0.0	99	-0.01
34	C	hexane	5.000	6.023	-20.5	154	-0.01
36	C	1,1,1-trichloroethane	5.000	5.786	-15.7	114	-0.01
37	C	benzene	5.000	4.493	10.1	94	0.00
38	C	carbon tetrachloride	5.000	6.168	-23.4	132	-0.01
39		cyclohexane	5.000	5.431	-8.6	147	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229324_Ev2.D
Acq On : 19 Feb 2025 5:02 PM
Operator : AIRLAB22:TPH
Sample : WG2032006-3,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 19 20:00:16 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 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	4.537	9.3	98	-0.01
41	C	1,2-dichloropropane	5.000	4.661	6.8	99	-0.01
42		bromodichloromethane	5.000	6.313	-26.3	165	-0.01
43	C	1,4-dioxane	5.000	5.123	-2.5	139	-0.01
44	C	trichloroethene	5.000	4.524	9.5	95	-0.01
45	C	2,2,4-trimethylpentane	5.000	6.046	-20.9	153	-0.01
46		heptane	5.000	5.137	-2.7	123	-0.01
47	C	cis-1,3-dichloropropene	5.000	5.122	-2.4	108	-0.01
48	C	4-methyl-2-pentanone	5.000	5.354	-7.1	129	-0.01
49		trans-1,3-dichloropropene	5.000	5.613	-12.3	121	-0.01
50	C	1,1,2-trichloroethane	5.000	4.507	9.9	93	0.00
51	I	chlorobenzene-D5	10.000	10.000	0.0	122	-0.01
52	C	toluene	5.000	3.971	20.6	100	-0.01
54		2-hexanone	5.000	4.142	17.2	130	0.00
55		dibromochloromethane	5.000	4.608	7.8	148	0.00
56	C	1,2-dibromoethane	5.000	4.102	18.0	106	0.00
57	C	tetrachloroethene	5.000	3.506	29.9	89	-0.01
58		1,1,1,2-tetrachloroethane	5.000	3.902	22.0	102	-0.01
59	C	chlorobenzene	5.000	3.708	25.8	95	-0.01
60	C	ethylbenzene	5.000	3.999	20.0	101	0.00
61	C	m+p-xylene	10.000	8.289	17.1	104	0.00
62	C	bromoform	5.000	4.644	7.1	146	-0.01
63	C	styrene	5.000	3.667	26.7	92	-0.01
64	C	1,1,2,2-tetrachloroethane	5.000	4.198	16.0	105	-0.01
65	C	o-xylene	5.000	4.179	16.4	106	0.00
66		1,2,3-Trichloropropane	5.000	3.822	23.6	99	-0.01
68	C	isopropylbenzene	5.000	3.765	24.7	95	0.00
69		Bromobenzene	5.000	3.723	25.5	97	-0.01
70		4-ethyl toluene	5.000	4.270	14.6	132	0.00
71		1,3,5-trimethylbenzene	5.000	4.000	20.0	98	0.00
72		tert-butylbenzene	5.000	4.127	17.5	102	0.00
73		1,2,4-trimethylbenzene	5.000	4.008	19.8	99	0.00
74	C	Benzyl Chloride	5.000	4.620	7.6	146	0.00
75		1,3-dichlorobenzene	5.000	3.874	22.5	97	0.00
76	C	1,4-dichlorobenzene	5.000	3.844	23.1	95	0.00
77		sec-butylbenzene	5.000	3.667	26.7	91	-0.01
78		p-isopropyltoluene	5.000	3.806	23.9	94	0.00
79		1,2-dichlorobenzene	5.000	3.782	24.4	95	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229324_Ev2.D
Acq On : 19 Feb 2025 5:02 PM
Operator : AIRLAB22:TPH
Sample : WG2032006-3,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 19 20:00:16 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 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	4.056	18.9	101	0.00
81	1,2-dibromo-3-chloropropane	5.000	4.085	18.3	102	0.00
82 C	1,2,4-trichlorobenzene	5.000	3.784	24.3	88	0.00
83	naphthalene	5.000	3.557	28.9	82	0.00
84	1,2,3-trichlorobenzene	5.000	3.568	28.6	81	0.00
85 C	hexachlorobutadiene	5.000	3.725	25.5	90	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229324_Ev2.D
Acq On : 19 Feb 2025 5:02 PM
Operator : AIRLAB22:TPH
Sample : WG2032006-3,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 19 20:00:16 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0219SIM\r229324_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	4.557	49	316137	10.000	ppbV	-0.01
Standard Area = 316137			Recovery = 100.00%			
33) 1,4-difluorobenzene	5.443	114	1013027	10.000	ppbV	-0.01
Standard Area = 1013027			Recovery = 100.00%			
51) chlorobenzene-D5	7.353	54	123842	10.000	ppbV	#-0.01
Standard Area = 123842			Recovery = 100.00%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	2.505	85	195721	5.472	ppbV	99
4) chloromethane	2.580	50	87039	4.246	ppbV	98
5) Freon-114	2.625	85	245630	6.023	ppbV	91
6) vinyl chloride	2.680	62	123779	5.518	ppbV	99
8) bromomethane	2.850	94	103947	5.659	ppbV	98
9) chloroethane	2.926	64	66678	5.602	ppbV	95
10) ethanol	2.965	31	307721	24.186	ppbV	96
14) trichlorofluoromethane	3.259	101	149373	6.187	ppbV	100
17) 1,1-dichloroethene	3.540	61	188217	5.600	ppbV	93
18) tertiary butyl alcohol	3.560	59	211318	5.986	ppbV	96
19) methylene chloride	3.590	49	128560	4.500	ppbV	91
22) Freon 113	3.710	101	222468	4.463	ppbV	95
23) trans-1,2-dichloroethene	4.013	61	186392	5.715	ppbV	89
24) 1,1-dichloroethane	4.107	63	239532	4.952	ppbV	98
25) MTBE	4.133	73	318034	5.126	ppbV	99
27) 2-butanone	4.277	43	303034	5.271	ppbV	99
28) cis-1,2-dichloroethene	4.483	61	178713	5.241	ppbV	86
30) chloroform	4.623	83	212588	5.460	ppbV #	97
32) 1,2-dichloroethane	4.957	62	122688	5.815	ppbV #	90
34) hexane	4.583	57	231606	6.023	ppbV	75
36) 1,1,1-trichloroethane	5.077	97	198007	5.786	ppbV	95
37) benzene	5.290	78	423950	4.493	ppbV	100
38) carbon tetrachloride	5.357	117	162231	6.168	ppbV #	97
39) cyclohexane	5.417	56	254420	5.431	ppbV	98
41) 1,2-dichloropropane	5.657	63	162502	4.661	ppbV #	97
42) bromodichloromethane	5.743	83	223817	6.313	ppbV	99
43) 1,4-dioxane	5.763	88	108010	5.123	ppbV	98
44) trichloroethene	5.763	130	195564	4.524	ppbV	98

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229324_Ev2.D
Acq On : 19 Feb 2025 5:02 PM
Operator : AIRLAB22:TPH
Sample : WG2032006-3,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 19 20:00:16 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0219SIM\r229324_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

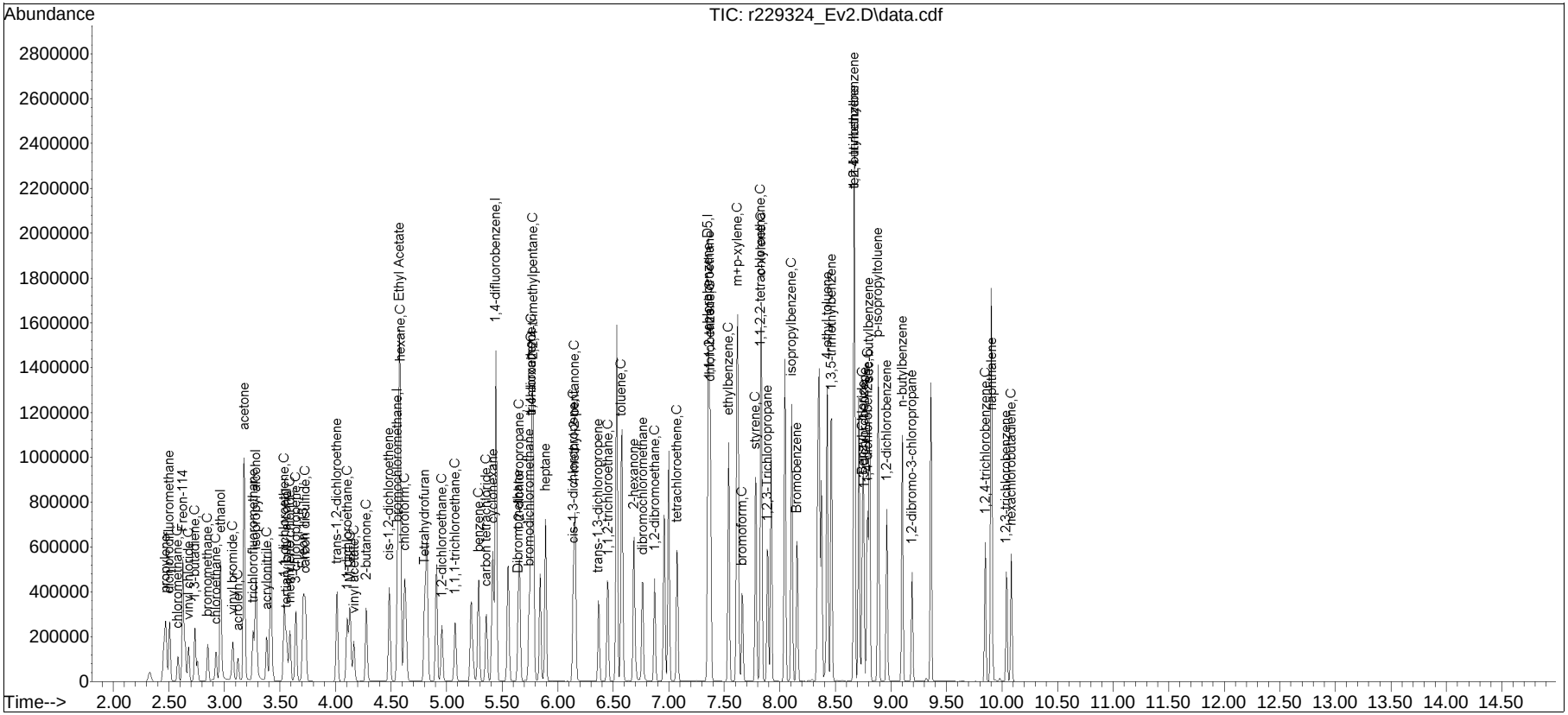
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 2,2,4-trimethylpentane	5.777	57	747996	6.046	ppbV		99
46) heptane	5.890	43	286100	5.137	ppbV		93
47) cis-1,3-dichloropropene	6.140	75	230530	5.122	ppbV	#	91
48) 4-methyl-2-pentanone	6.153	43	347068	5.354	ppbV		95
49) trans-1,3-dichloropropene	6.367	75	180083	5.613	ppbV	#	92
50) 1,1,2-trichloroethane	6.453	97	167586	4.507	ppbV		93
52) toluene	6.573	91	518243	3.971	ppbV		98
55) dibromochloromethane	6.767	129	236319	4.608	ppbV		99
56) 1,2-dibromoethane	6.873	107	238130	4.102	ppbV		99
57) tetrachloroethene	7.073	166	220608	3.506	ppbV	#	90
59) chlorobenzene	7.373	112	428649	3.708	ppbV		92
60) ethylbenzene	7.540	91	635696	3.999	ppbV		97
61) m+p-xylene	7.620	91	1036905	8.289	ppbV		92
62) bromoform	7.660	173	189051	4.644	ppbV		99
63) styrene	7.780	104	430805	3.667	ppbV	#	91
64) 1,1,2,2-tetrachloroethane	7.827	83	371610	4.198	ppbV		99
65) o-xylene	7.833	91	524405	4.179	ppbV		95
71) 1,3,5-trimethylbenzene	8.467	105	602417	4.000	ppbV		95
73) 1,2,4-trimethylbenzene	8.670	105	596438	4.008	ppbV		98
74) Benzyl Chloride	8.743	91	356374	4.620	ppbV		96
75) 1,3-dichlorobenzene	8.757	146	448512	3.874	ppbV		99
76) 1,4-dichlorobenzene	8.790	146	447760	3.844	ppbV		99
79) 1,2-dichlorobenzene	8.963	146	417402	3.782	ppbV		99
82) 1,2,4-trichlorobenzene	9.850	180	343569	3.784	ppbV	#	94
83) naphthalene	9.910	128	814615	3.557	ppbV		99
85) hexachlorobutadiene	10.083	225	242629	3.725	ppbV	#	93

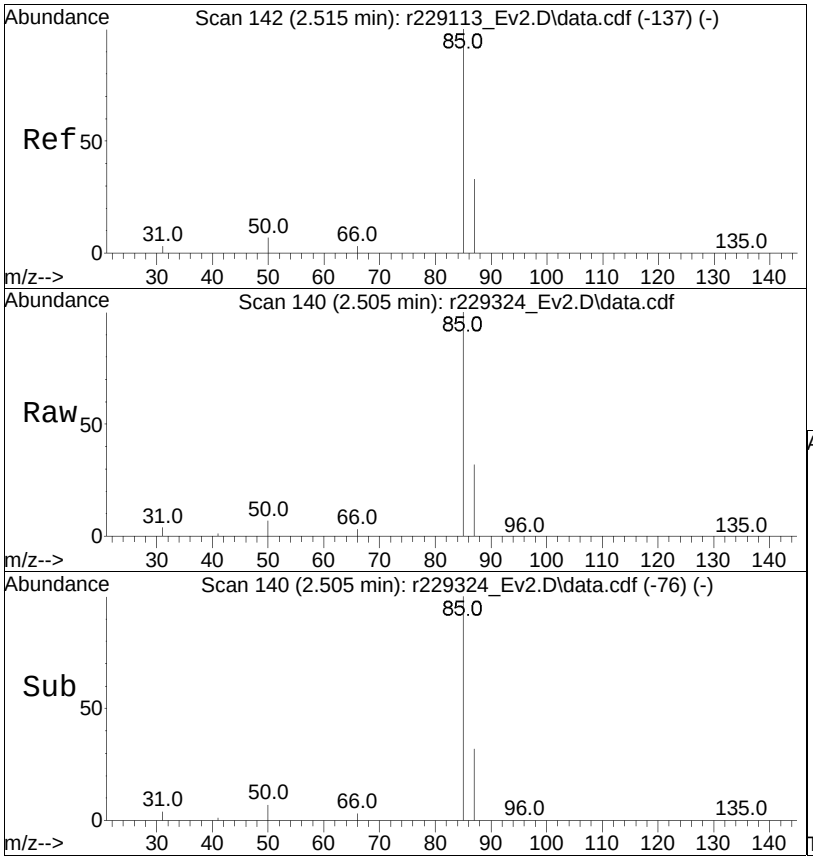
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-LCS-AP2 - All compounds listedM\r229324_Ev2.D

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Acq On : 19 Feb 2025 5:02 PM
Operator : AIRLAB22:TPH
Sample : WG2032006-3,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

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QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

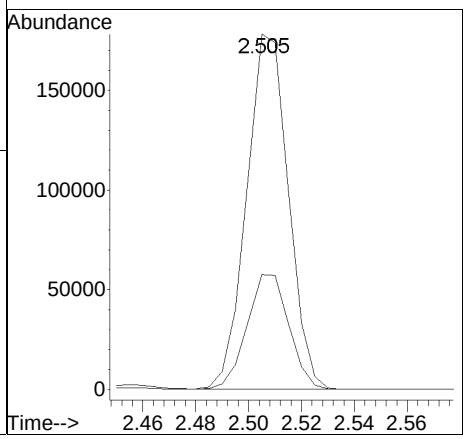


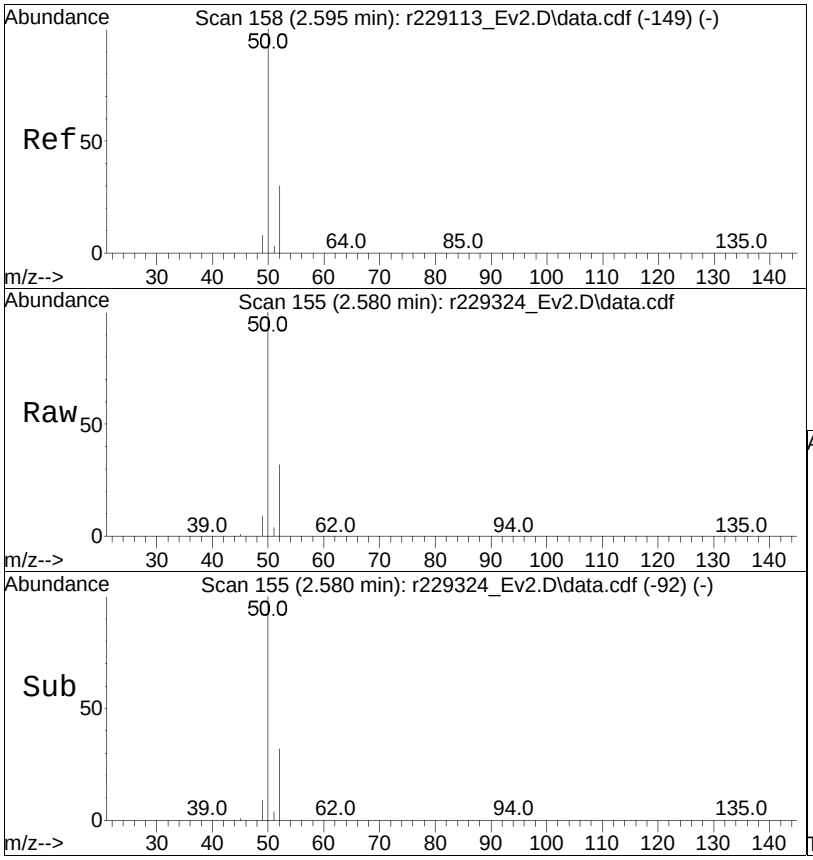


#3
dichlorodifluoromethane
Concen: 5.47 ppbV
RT: 2.505 min Scan# 140
Delta R.T. -0.010 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 85 Resp: 195721

Ion	Ratio	Lower	Upper
85	100		
87	32.3	26.2	39.2

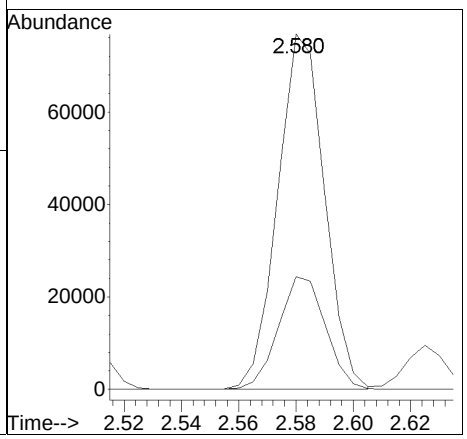


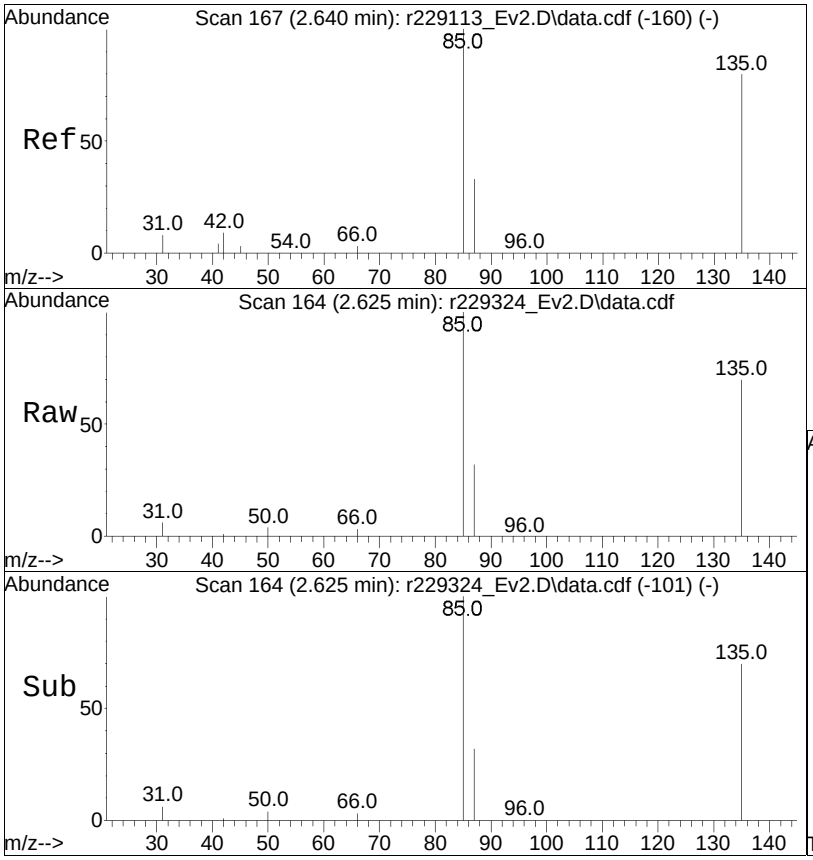


#4
chloromethane
Concen: 4.25 ppbV
RT: 2.580 min Scan# 155
Delta R.T. -0.015 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 50 Resp: 87039

Ion	Ratio	Lower	Upper
50	100		
52	31.7	24.3	36.5

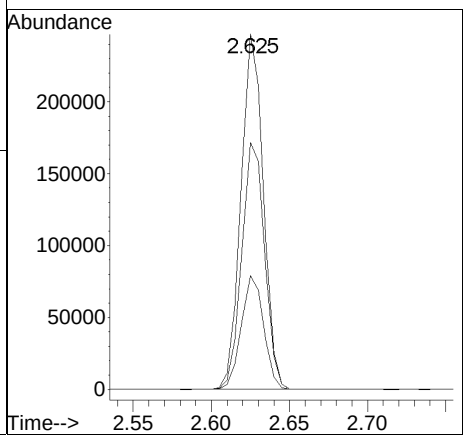


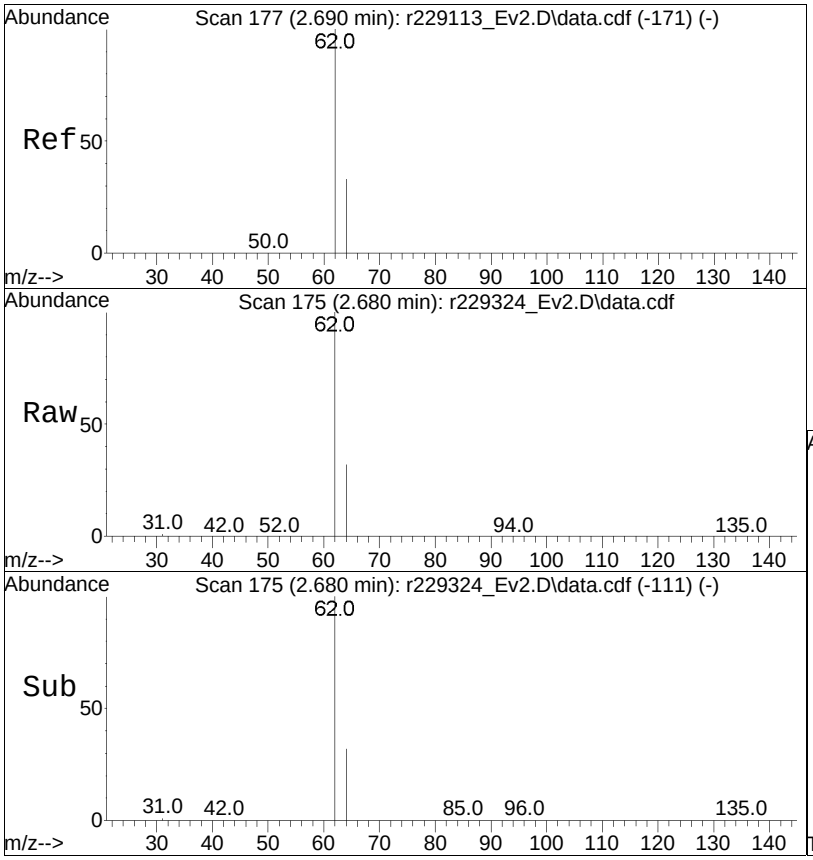


#5
Freon-114
Concen: 6.02 ppbV
RT: 2.625 min Scan# 164
Delta R.T. -0.015 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 85 Resp: 245630

Ion	Ratio	Lower	Upper
85	100		
87	32.0	26.0	39.0
135	69.5	64.2	96.2

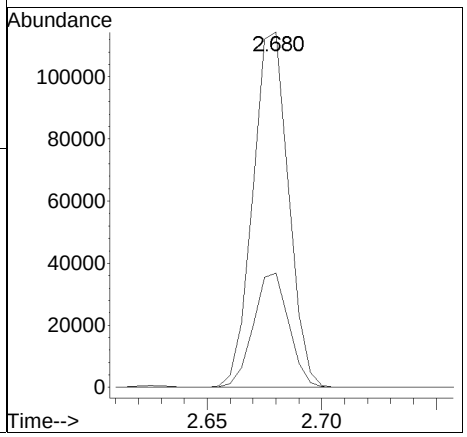


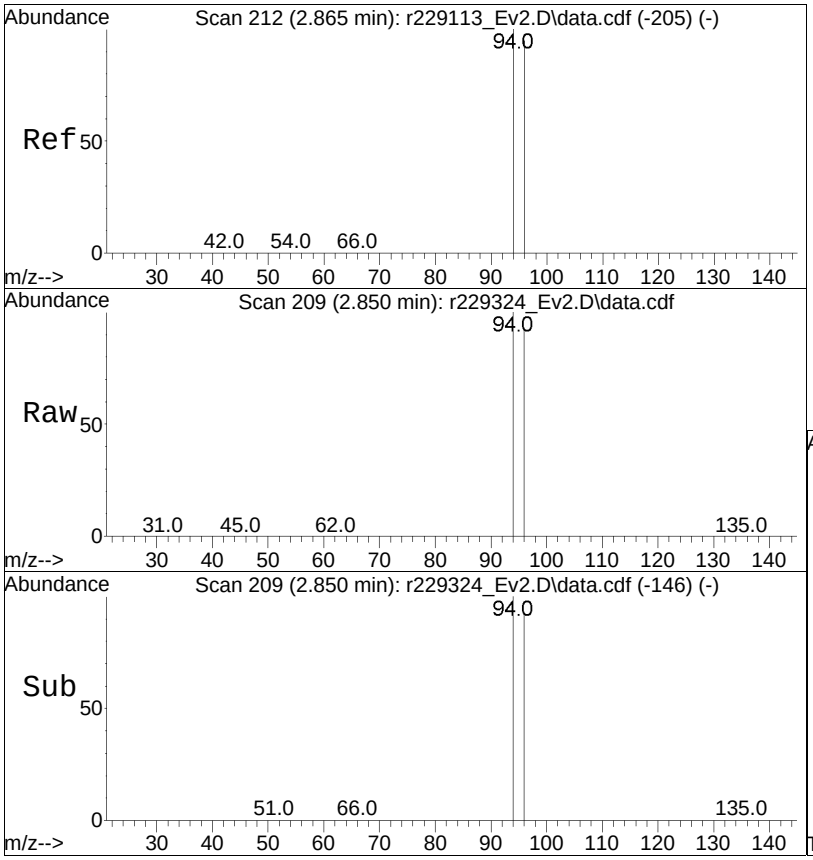


#6
vinyl chloride
Concen: 5.52 ppbV
RT: 2.680 min Scan# 175
Delta R.T. -0.010 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 62 Resp: 123779

Ion	Ratio	Lower	Upper
62	100		
64	32.2	26.0	39.0

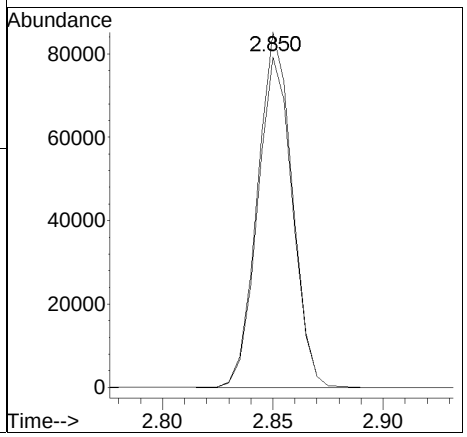


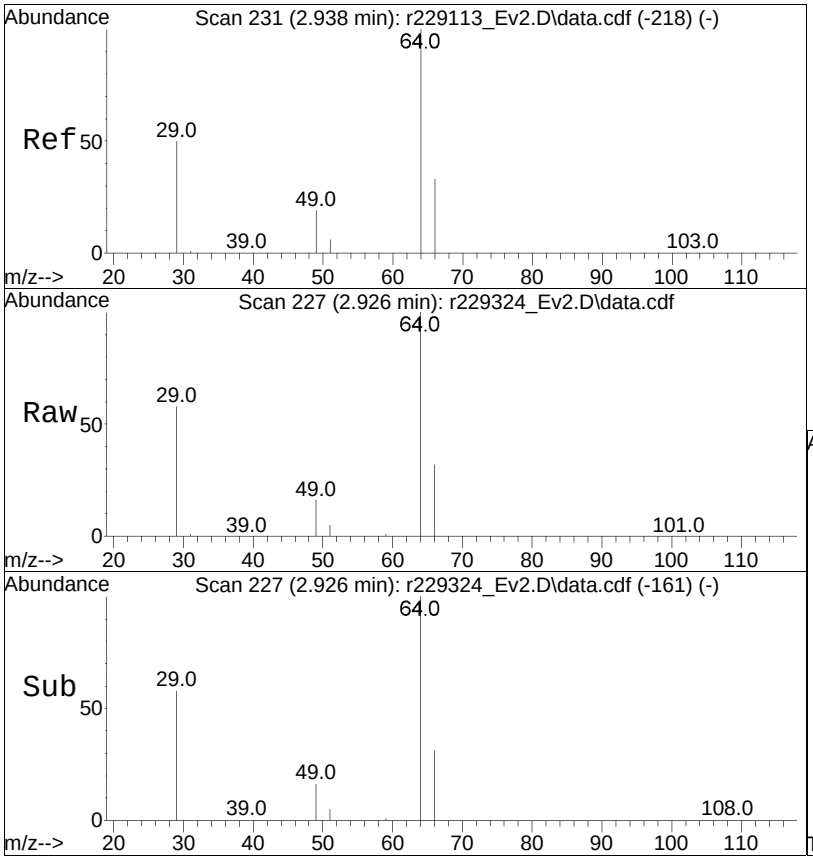


#8
bromomethane
Concen: 5.66 ppbV
RT: 2.850 min Scan# 209
Delta R.T. -0.015 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 94 Resp: 103947

Ion	Ratio	Lower	Upper
94	100		
96	93.0	76.2	114.4

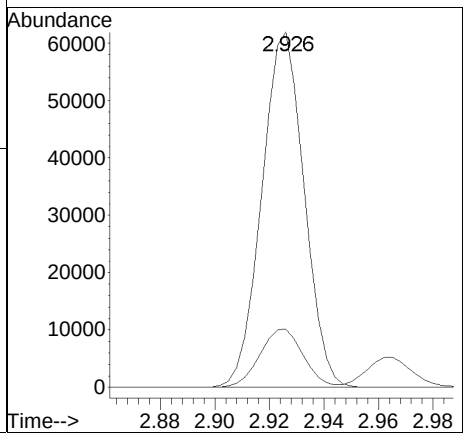


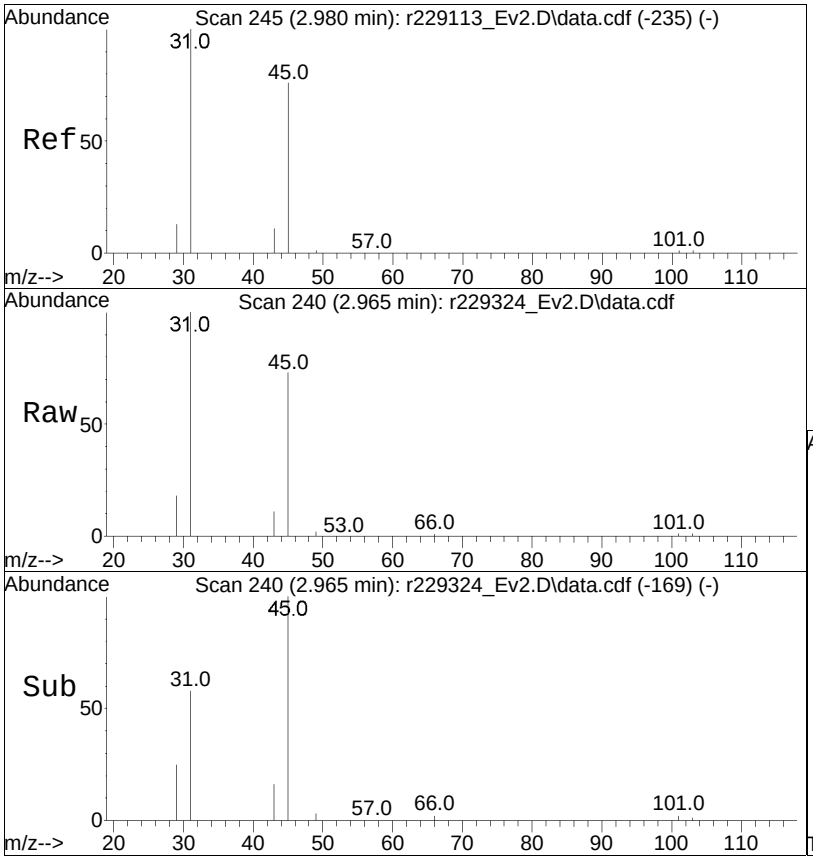


#9
chloroethane
Concen: 5.60 ppbV
RT: 2.926 min Scan# 227
Delta R.T. -0.012 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 64 Resp: 66678

Ion	Ratio	Lower	Upper
64	100		
49	16.4	15.0	22.4

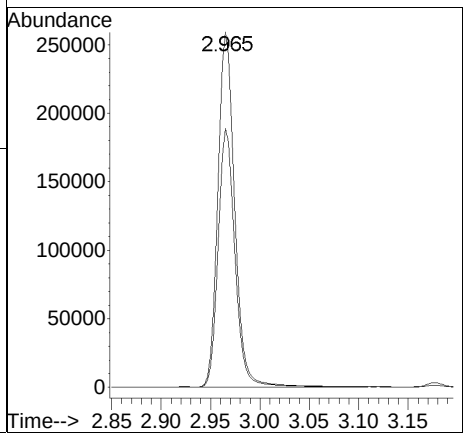


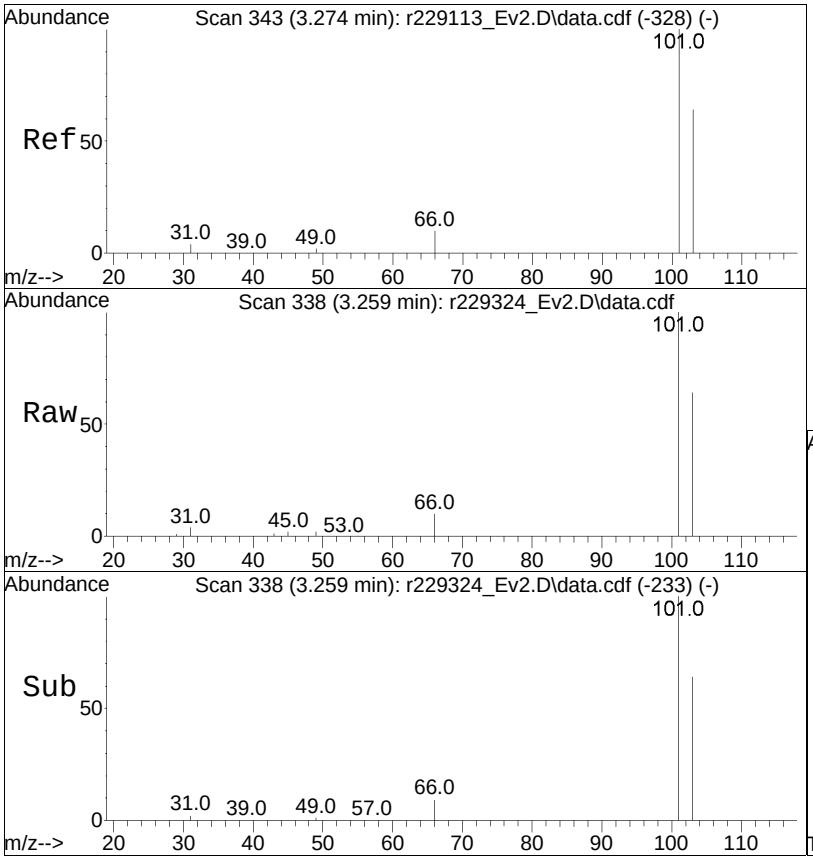


#10
ethanol
Concen: 24.19 ppbV
RT: 2.965 min Scan# 240
Delta R.T. -0.015 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 31 Resp: 307721

Ion	Ratio	Lower	Upper
31	100		
45	72.8	60.7	91.1

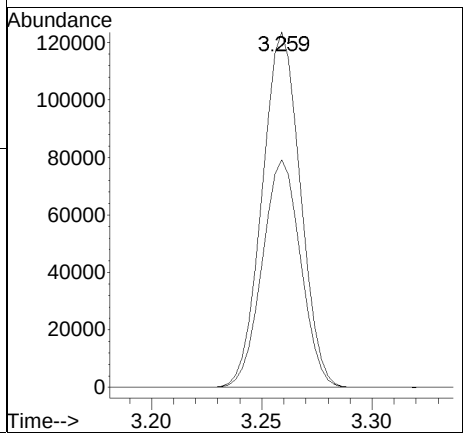


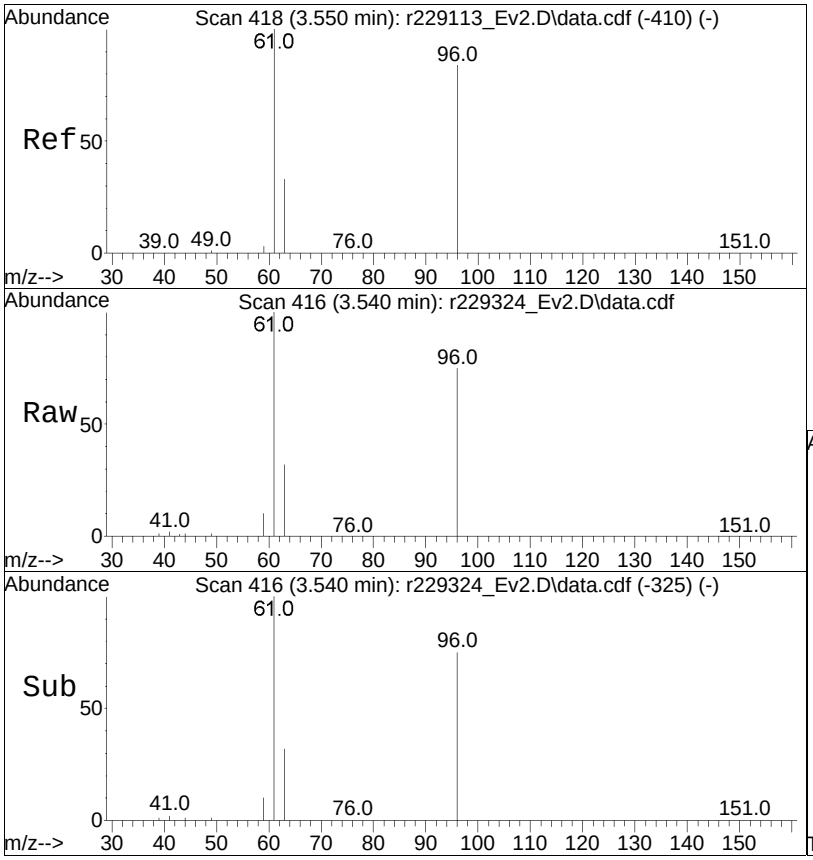


#14
trichlorofluoromethane
Concen: 6.19 ppbV
RT: 3.259 min Scan# 338
Delta R.T. -0.015 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion:101 Resp: 149373

Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.5	77.3

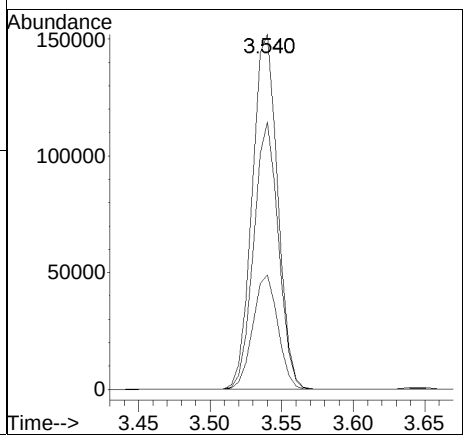


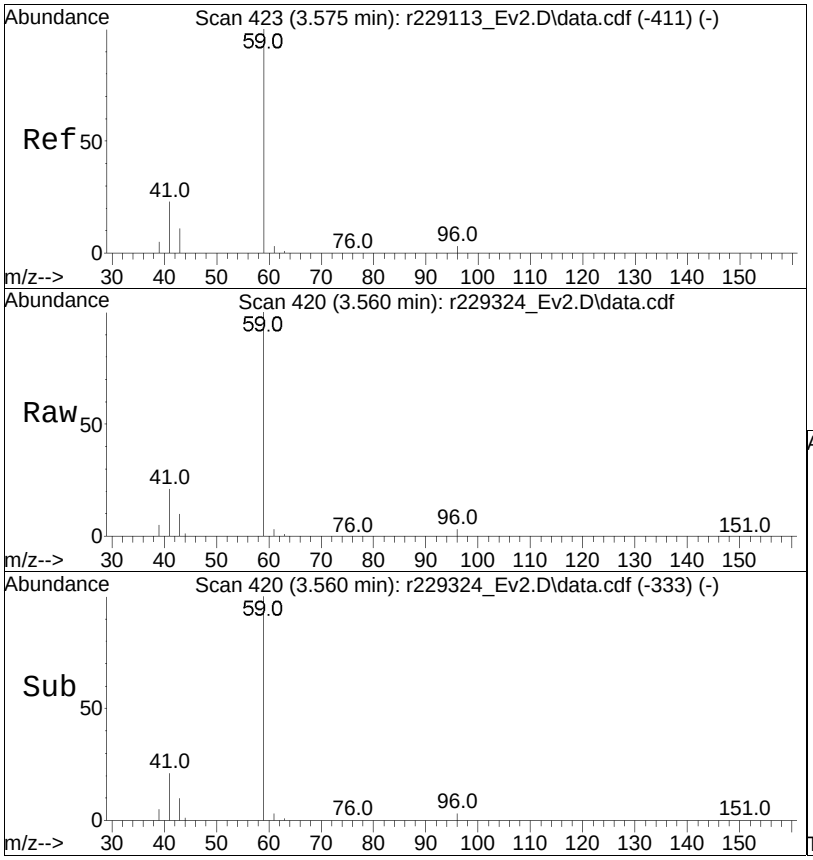


#17
1,1-dichloroethene
Concen: 5.60 ppbV
RT: 3.540 min Scan# 416
Delta R.T. -0.010 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 61 Resp: 188217

Ion	Ratio	Lower	Upper
61	100		
96	75.3	66.9	100.3
63	32.2	26.1	39.1

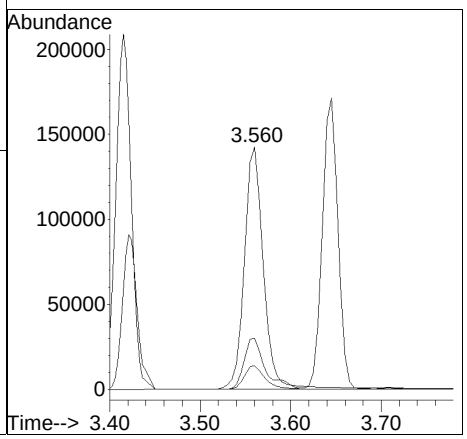


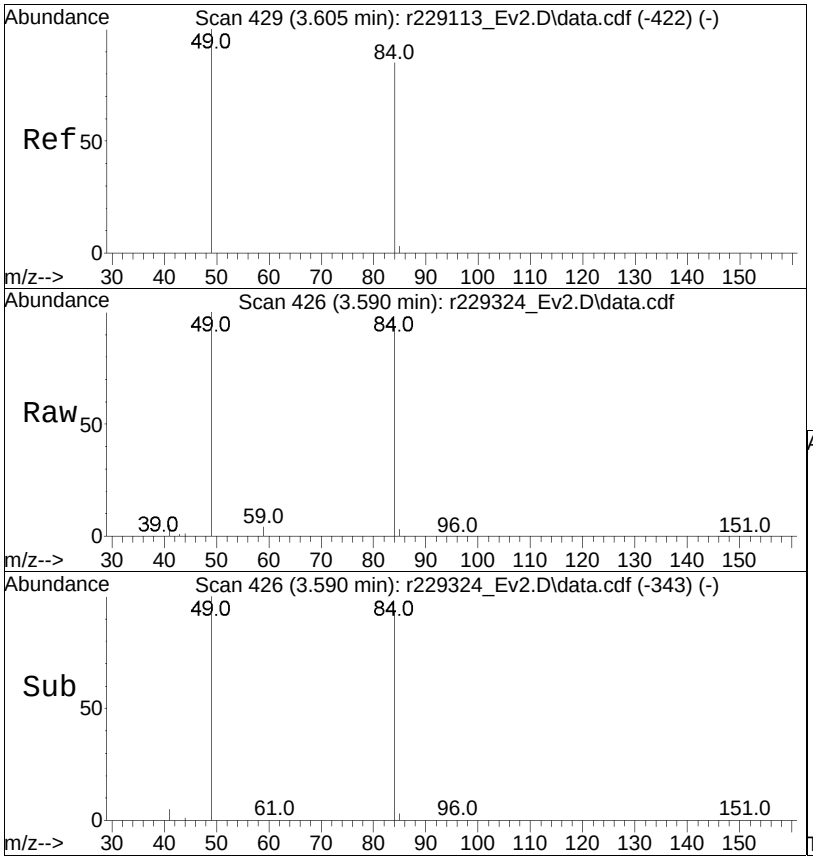


#18
tertiary butyl alcohol
Concen: 5.99 ppbV
RT: 3.560 min Scan# 420
Delta R.T. -0.015 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 59 Resp: 211318

Ion	Ratio	Lower	Upper
59	100		
41	23.2	20.5	30.7
43	10.5	8.7	13.1

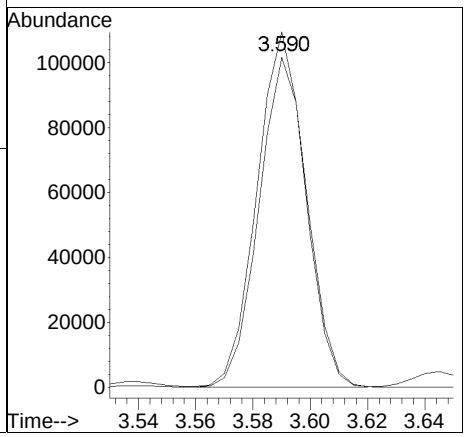


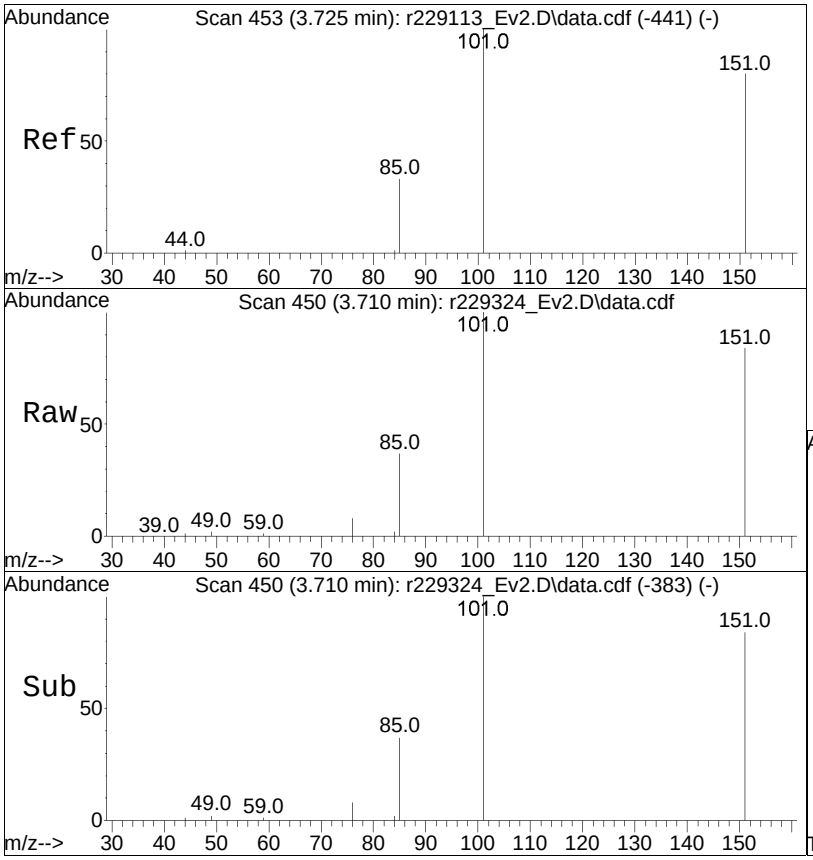


#19
methylene chloride
Concen: 4.50 ppbV
RT: 3.590 min Scan# 426
Delta R.T. -0.015 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 49 Resp: 128560

Ion	Ratio	Lower	Upper
49	100		
84	92.8	67.6	101.4

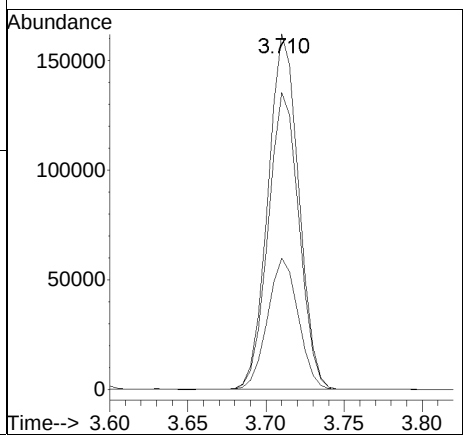


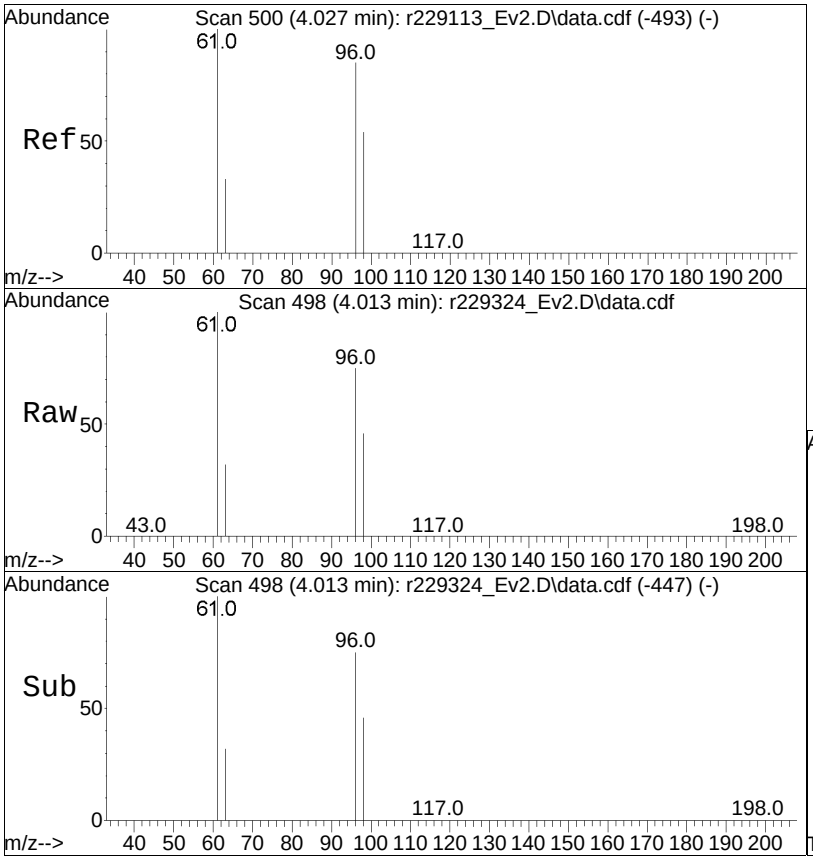


#22
Freon 113
Concen: 4.46 ppbV
RT: 3.710 min Scan# 450
Delta R.T. -0.015 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion:101 Resp: 222468

Ion	Ratio	Lower	Upper
101	100		
85	37.0	26.1	39.1
151	83.5	64.0	96.0

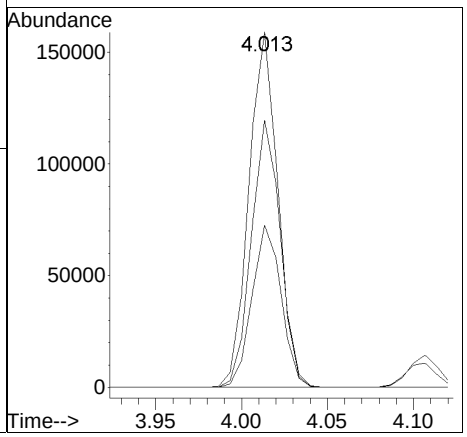


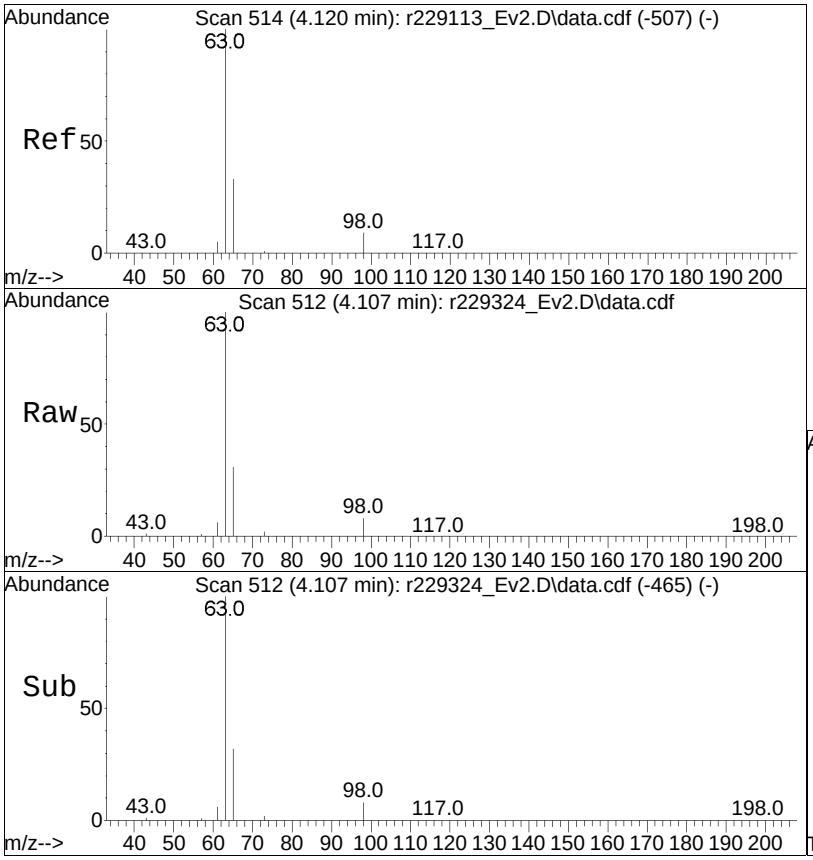


#23
trans-1,2-dichloroethene
Concen: 5.71 ppbV
RT: 4.013 min Scan# 498
Delta R.T. -0.013 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 61 Resp: 186392

Ion	Ratio	Lower	Upper
61	100		
96	75.2	68.3	102.5
98	45.7	43.0	64.4

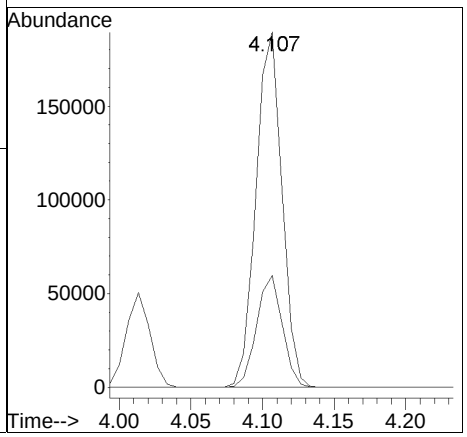


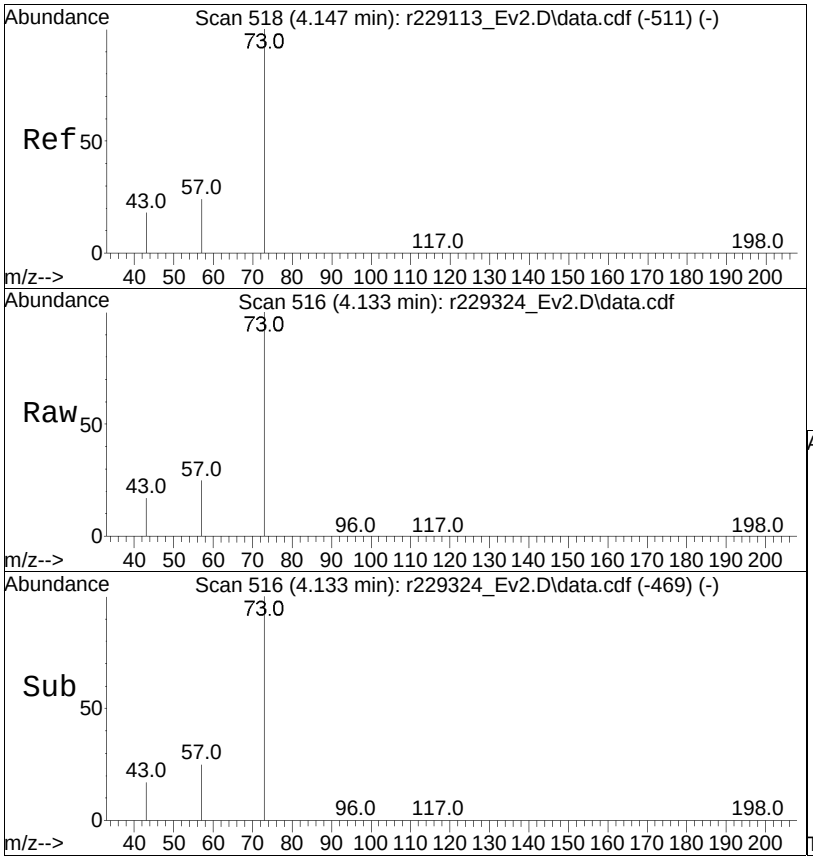


#24
1,1-dichloroethane
Concen: 4.95 ppbV
RT: 4.107 min Scan# 512
Delta R.T. -0.013 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 63 Resp: 239532

Ion	Ratio	Lower	Upper
63	100		
65	31.5	26.3	39.5

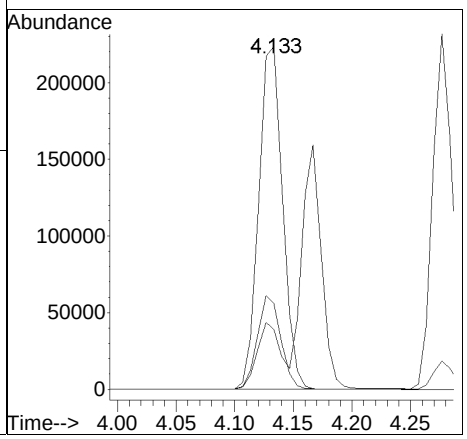


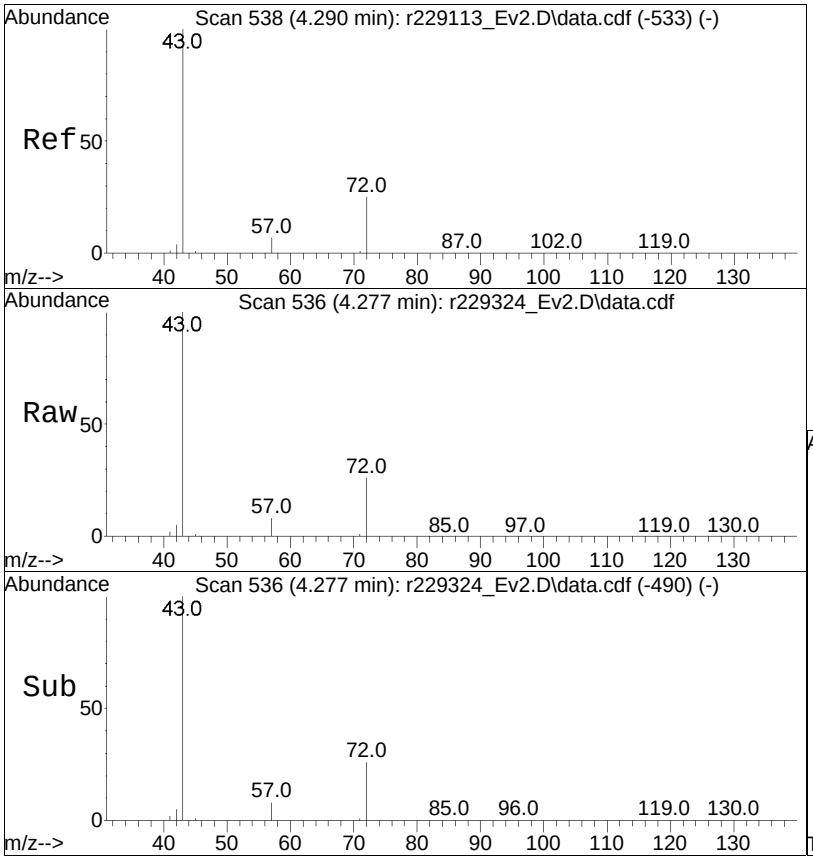


#25
MTBE
Concen: 5.13 ppbV
RT: 4.133 min Scan# 516
Delta R.T. -0.013 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 73 Resp: 318034

Ion	Ratio	Lower	Upper
73	100		
57	25.0	19.3	28.9
43	17.4	14.2	21.2

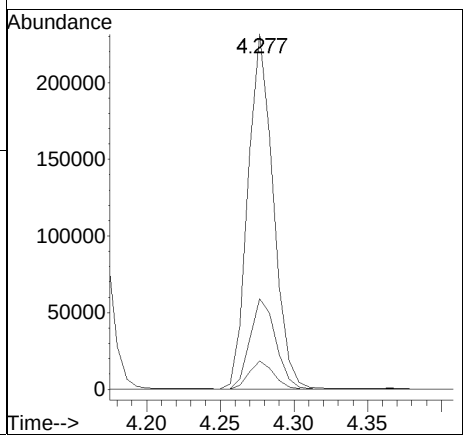


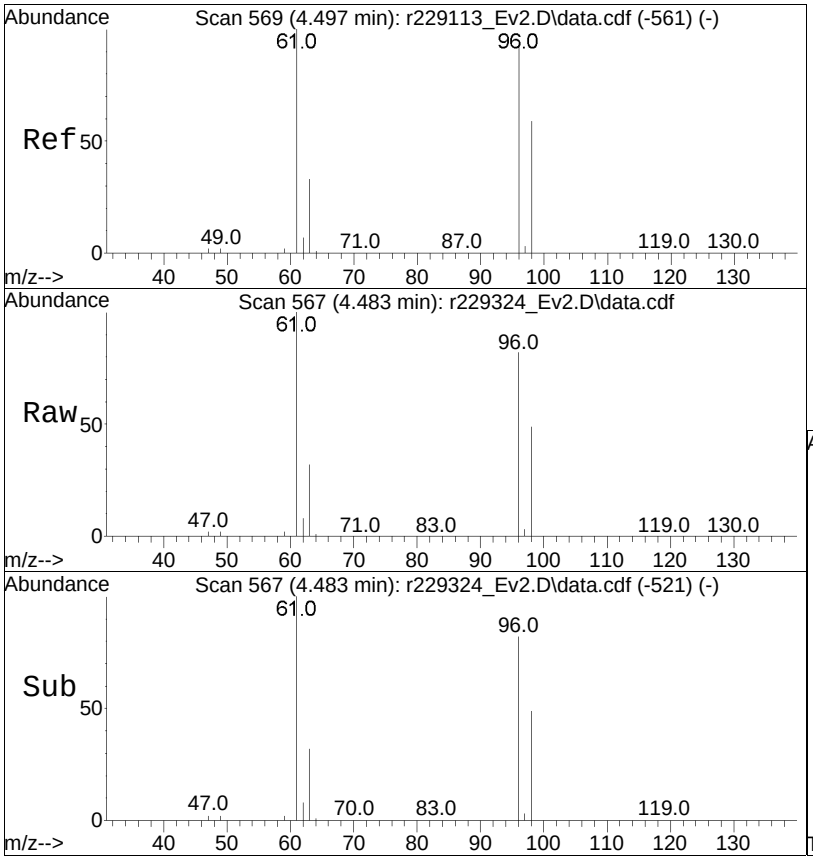


#27
2-butanone
Concen: 5.27 ppbV
RT: 4.277 min Scan# 536
Delta R.T. -0.013 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 43 Resp: 303034

Ion	Ratio	Lower	Upper
43	100		
72	25.6	20.2	30.4
57	8.0	5.4	8.0

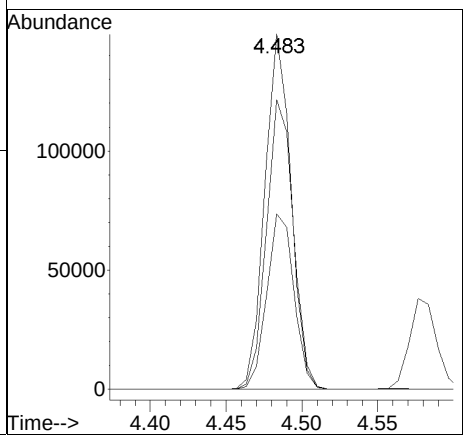


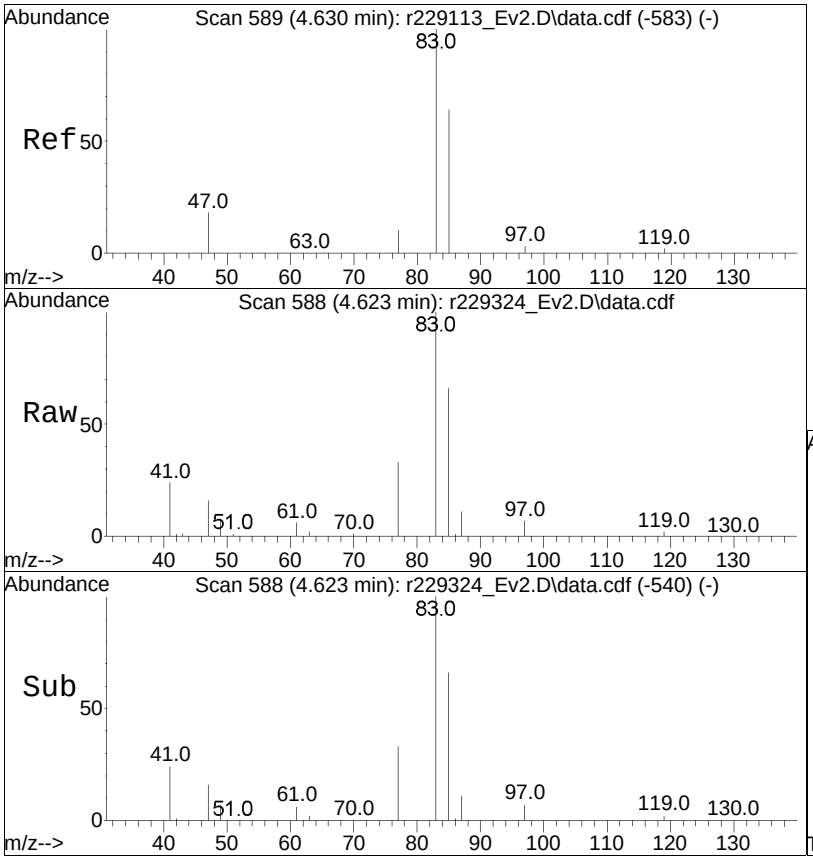


#28
cis-1,2-dichloroethene
Concen: 5.24 ppbV
RT: 4.483 min Scan# 567
Delta R.T. -0.013 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 61 Resp: 178713

Ion	Ratio	Lower	Upper
61	100		
96	81.5	75.9	113.9
98	49.4	47.6	71.4

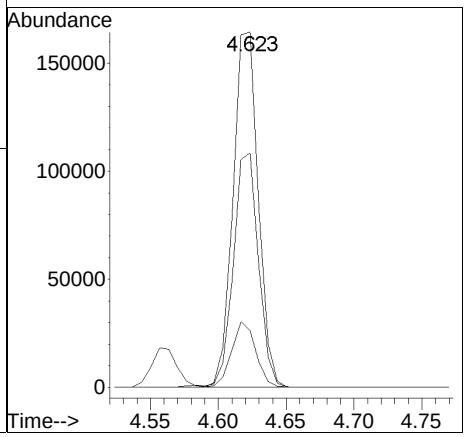


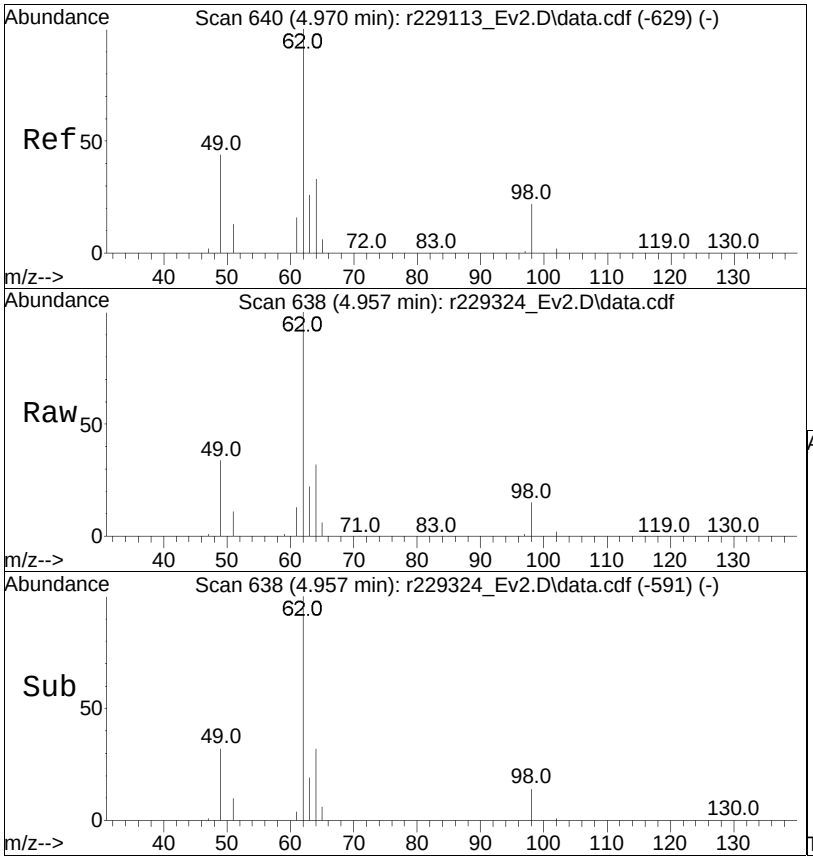


#30
chloroform
Concen: 5.46 ppbV
RT: 4.623 min Scan# 588
Delta R.T. -0.007 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 83 Resp: 212588

Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.8	77.6
47	16.0	16.1	24.1#

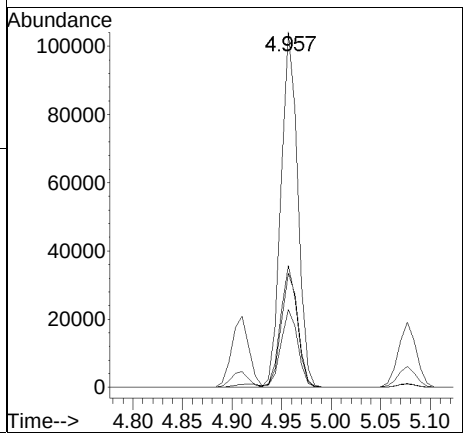


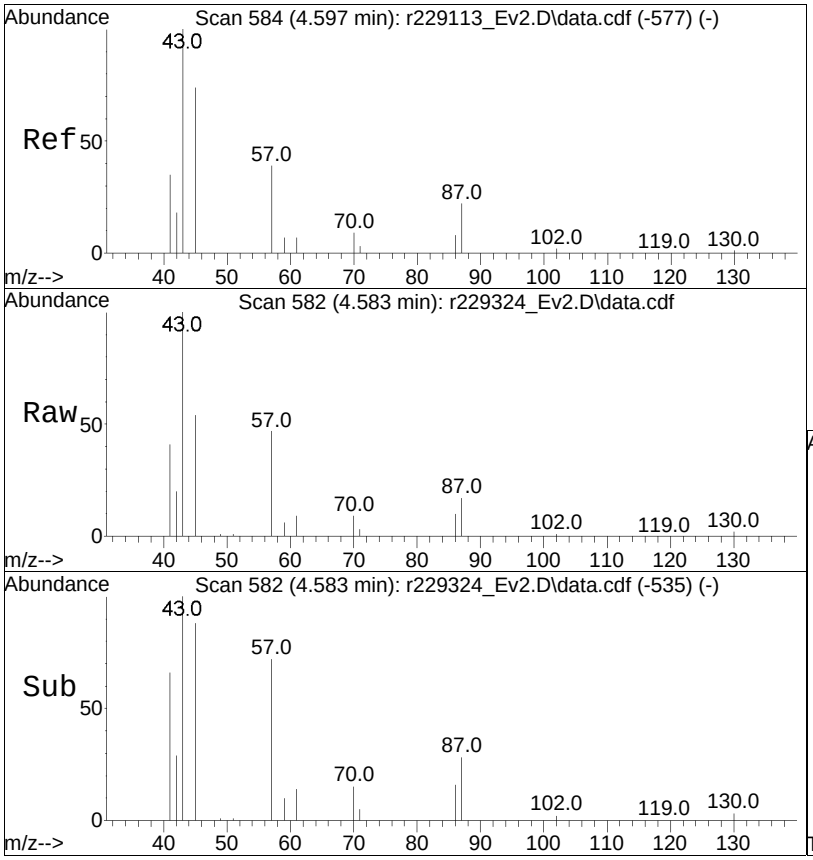


#32
1,2-dichloroethane
Concen: 5.82 ppbV
RT: 4.957 min Scan# 638
Delta R.T. -0.013 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 62 Resp: 122688

Ion	Ratio	Lower	Upper
62	100		
64	32.2	26.8	40.2
49	34.3	35.7	53.5#
63	21.9	21.0	31.6

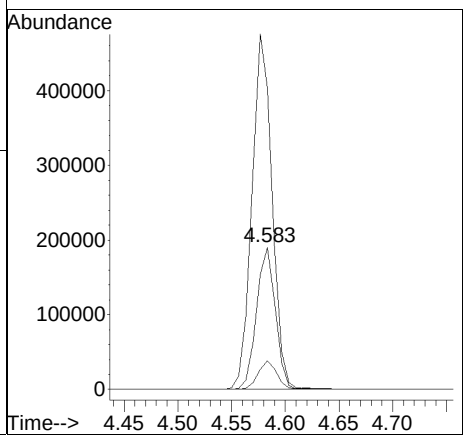


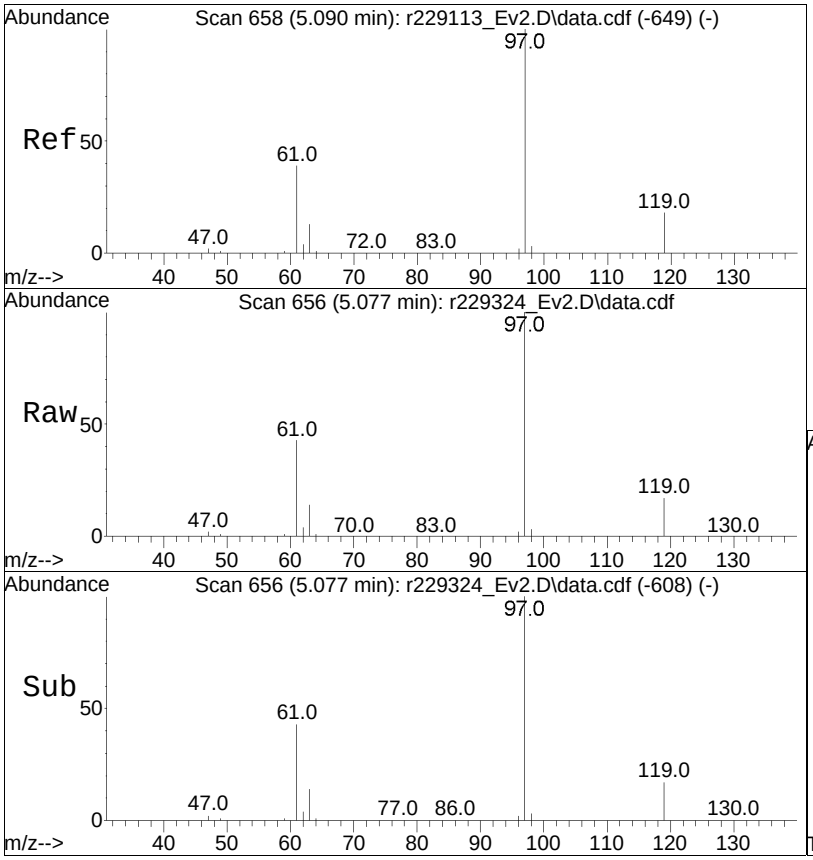


#34
hexane
Concen: 6.02 ppbV
RT: 4.583 min Scan# 582
Delta R.T. -0.013 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 57 Resp: 231606

Ion	Ratio	Lower	Upper
57	100		
43	212.4	207.8	311.8
86	20.2	17.5	26.3

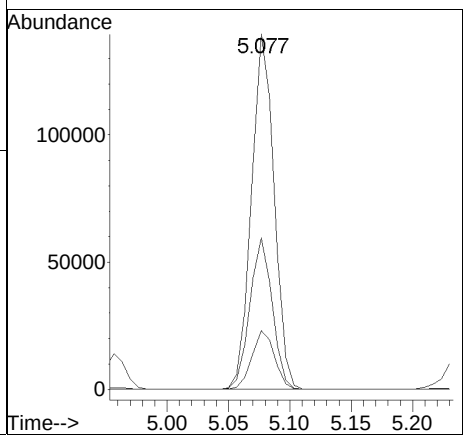


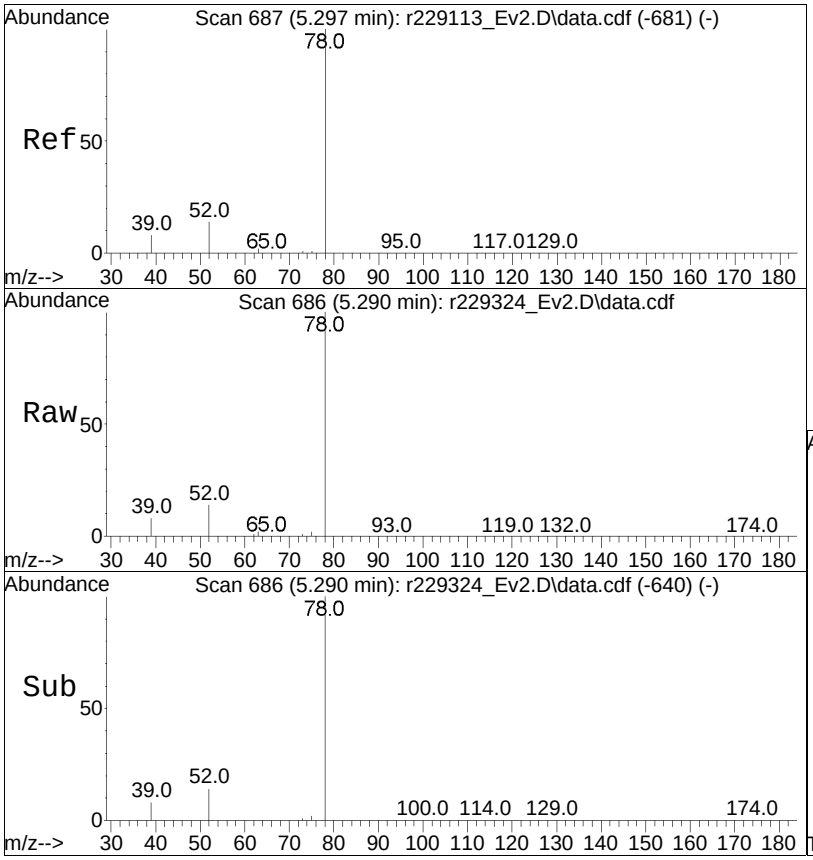


#36
1,1,1-trichloroethane
Concen: 5.79 ppbV
RT: 5.077 min Scan# 656
Delta R.T. -0.013 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 97 Resp: 198007

Ion	Ratio	Lower	Upper
97	100		
61	42.6	31.5	47.3
119	16.5	14.2	21.4

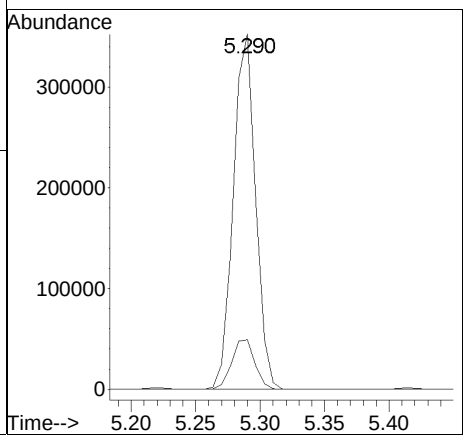


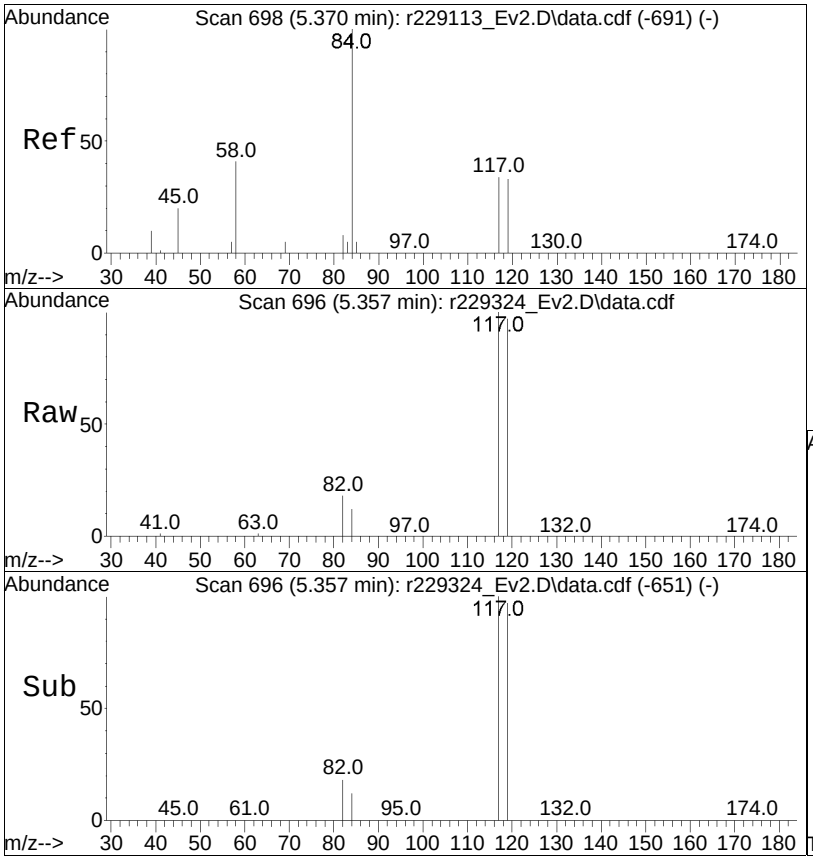


#37
benzene
Concen: 4.49 ppbV
RT: 5.290 min Scan# 686
Delta R.T. -0.007 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 78 Resp: 423950

Ion	Ratio	Lower	Upper
78	100		
52	14.0	11.3	16.9

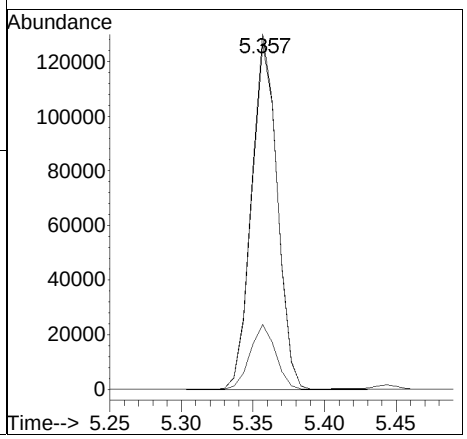


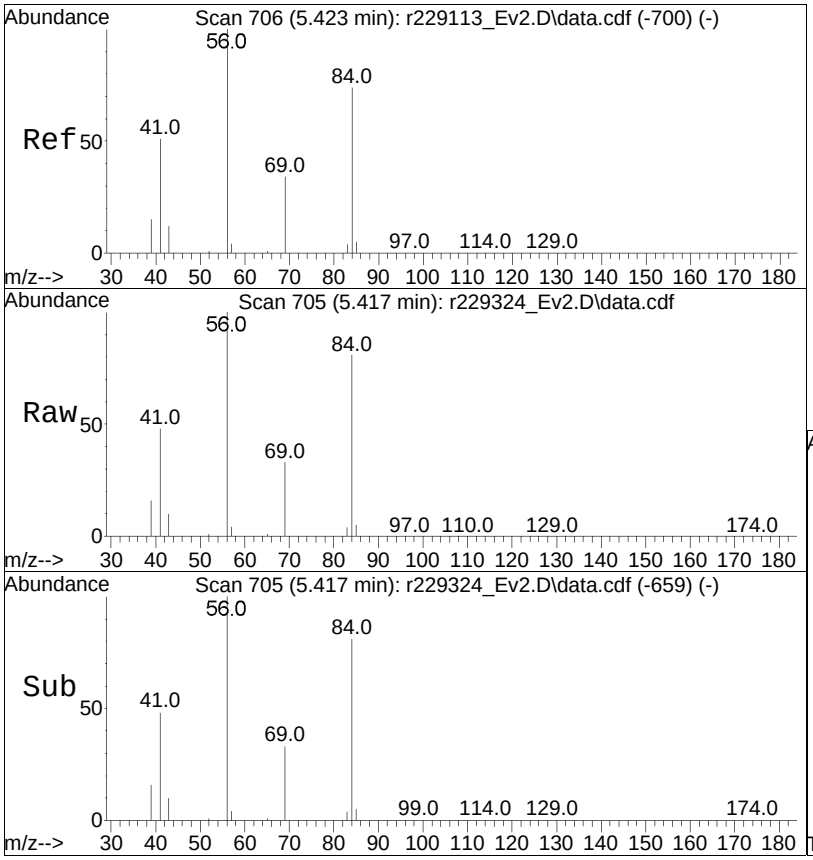


#38
carbon tetrachloride
Concen: 6.17 ppbV
RT: 5.357 min Scan# 696
Delta R.T. -0.013 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion:117 Resp: 162231

Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.7	116.5
82	18.2	19.5	29.3#

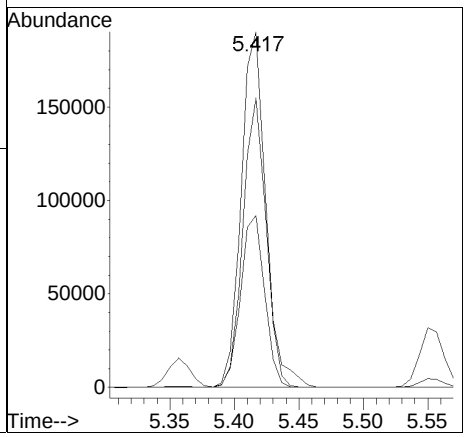


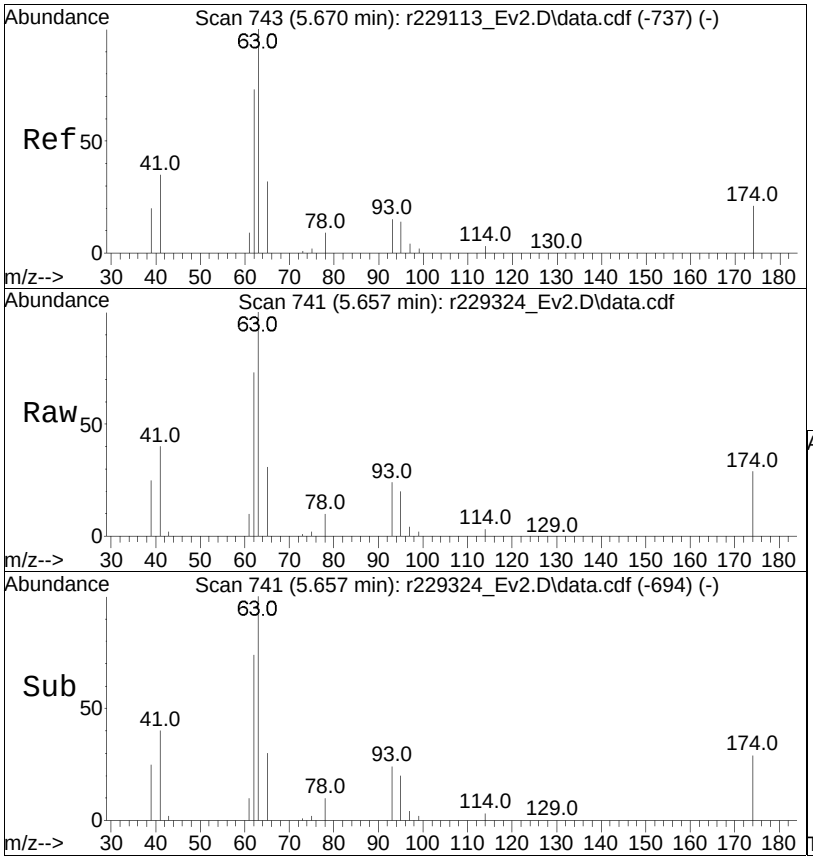


#39
cyclohexane
Concen: 5.43 ppbV
RT: 5.417 min Scan# 705
Delta R.T. -0.007 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 56 Resp: 254420

Ion	Ratio	Lower	Upper
56	100		
84	81.4	64.6	96.8
41	48.4	41.3	61.9

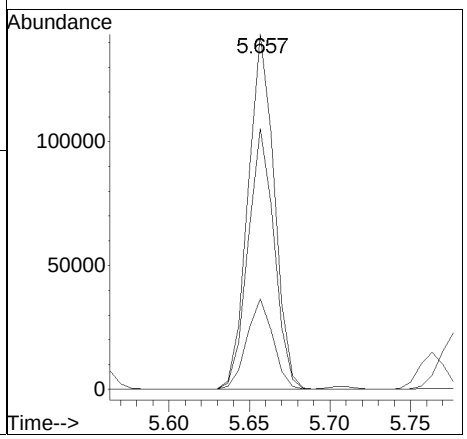


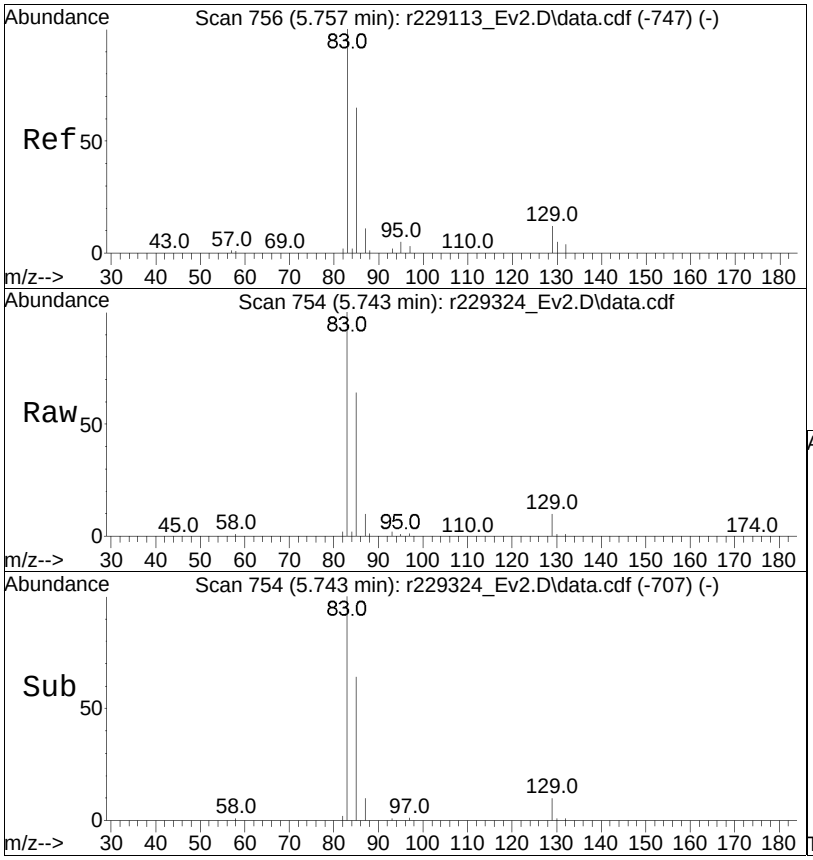


#41
1,2-dichloropropane
Concen: 4.66 ppbV
RT: 5.657 min Scan# 741
Delta R.T. -0.013 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 63 Resp: 162502

Ion	Ratio	Lower	Upper
63	100		
62	73.5	58.5	87.7
39	25.5	16.2	24.2#

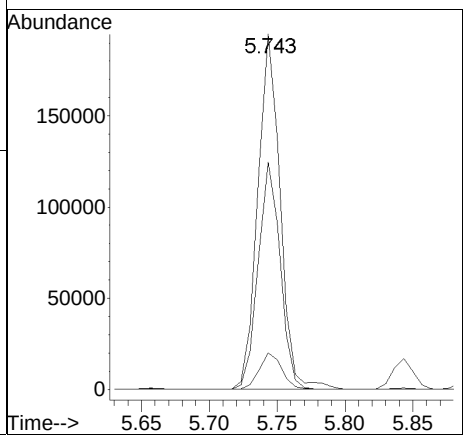


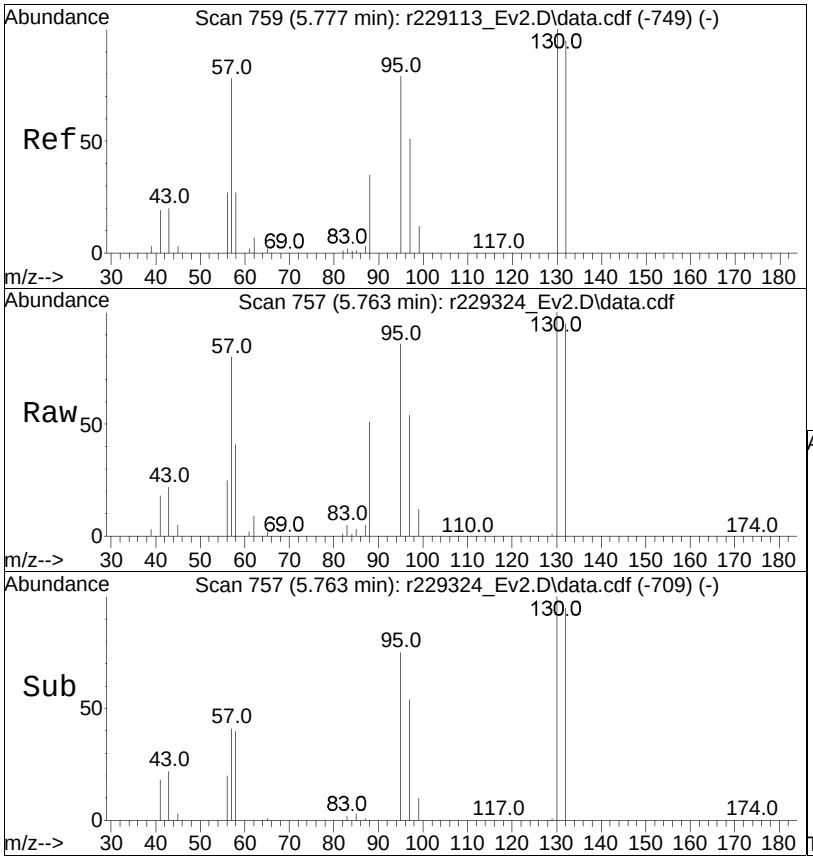


#42
bromodichloromethane
Concen: 6.31 ppbV
RT: 5.743 min Scan# 754
Delta R.T. -0.013 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 83 Resp: 223817

Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.7	77.5
129	10.3	9.4	14.2

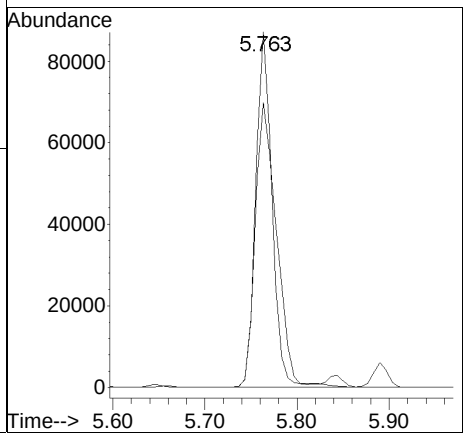


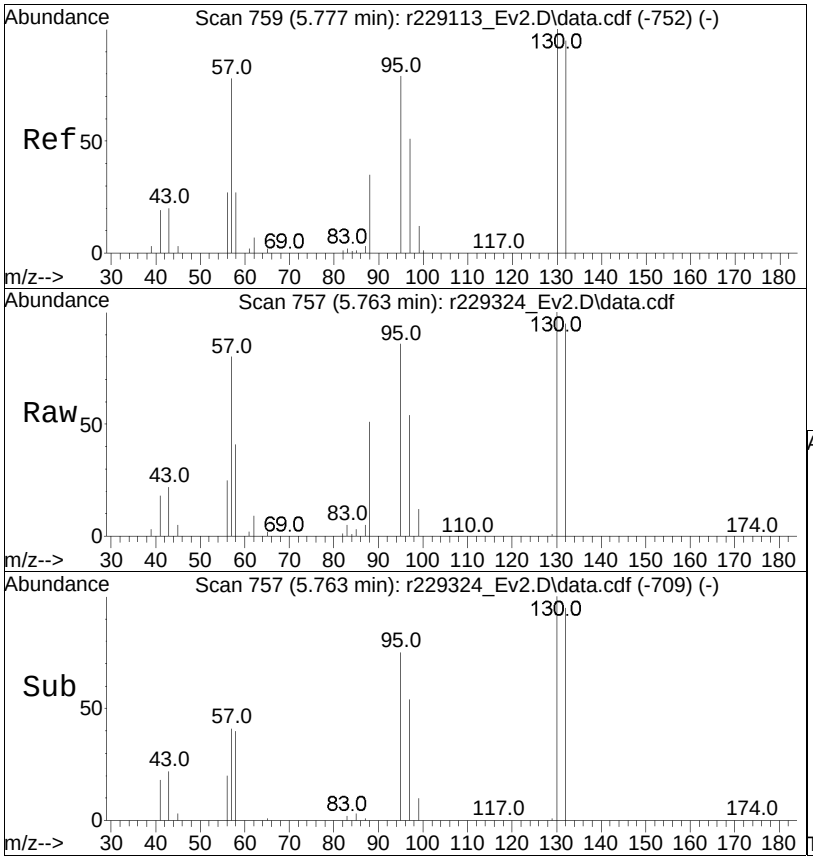


#43
1,4-dioxane
Concen: 5.12 ppbV
RT: 5.763 min Scan# 757
Delta R.T. -0.013 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 88 Resp: 108010

Ion	Ratio	Lower	Upper
88	100		
58	80.1	63.0	94.6

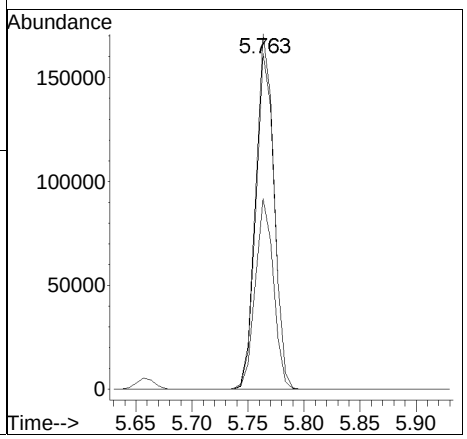


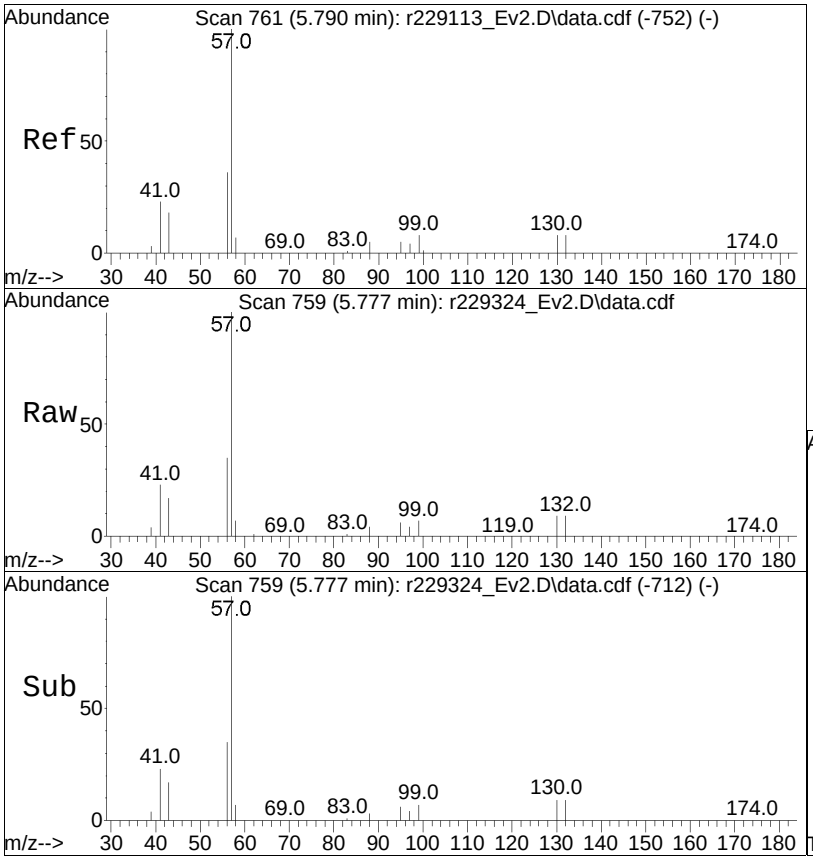


#44
trichloroethene
Concen: 4.52 ppbV
RT: 5.763 min Scan# 757
Delta R.T. -0.013 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion:130 Resp: 195564

Ion	Ratio	Lower	Upper
130	100		
132	94.5	76.1	114.1
97	53.7	40.7	61.1

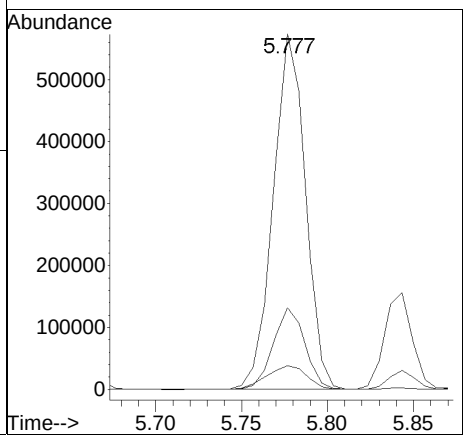


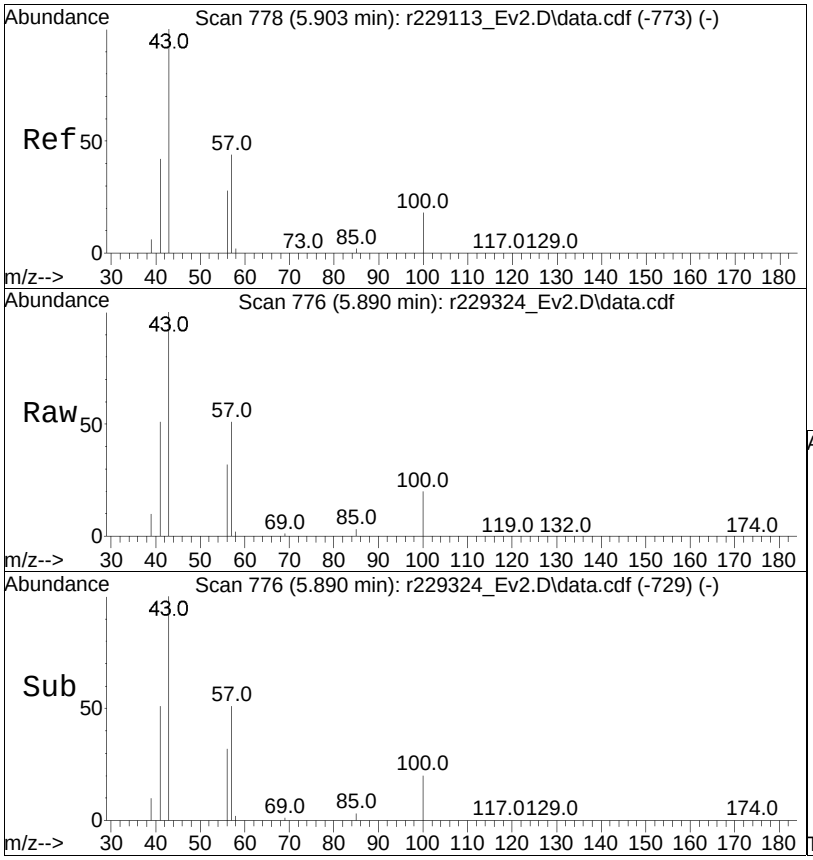


#45
2,2,4-trimethylpentane
Concen: 6.05 ppbV
RT: 5.777 min Scan# 759
Delta R.T. -0.013 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 57 Resp: 747996

Ion	Ratio	Lower	Upper
57	100		
99	6.7	6.0	9.0
41	23.0	18.6	28.0

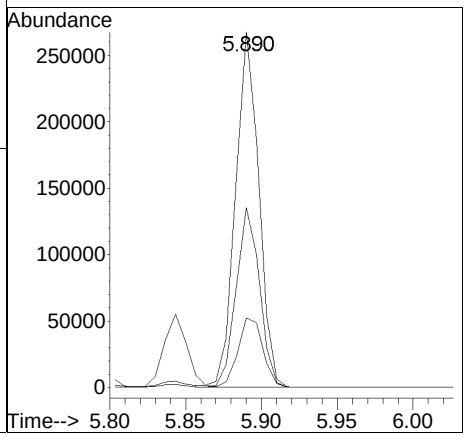


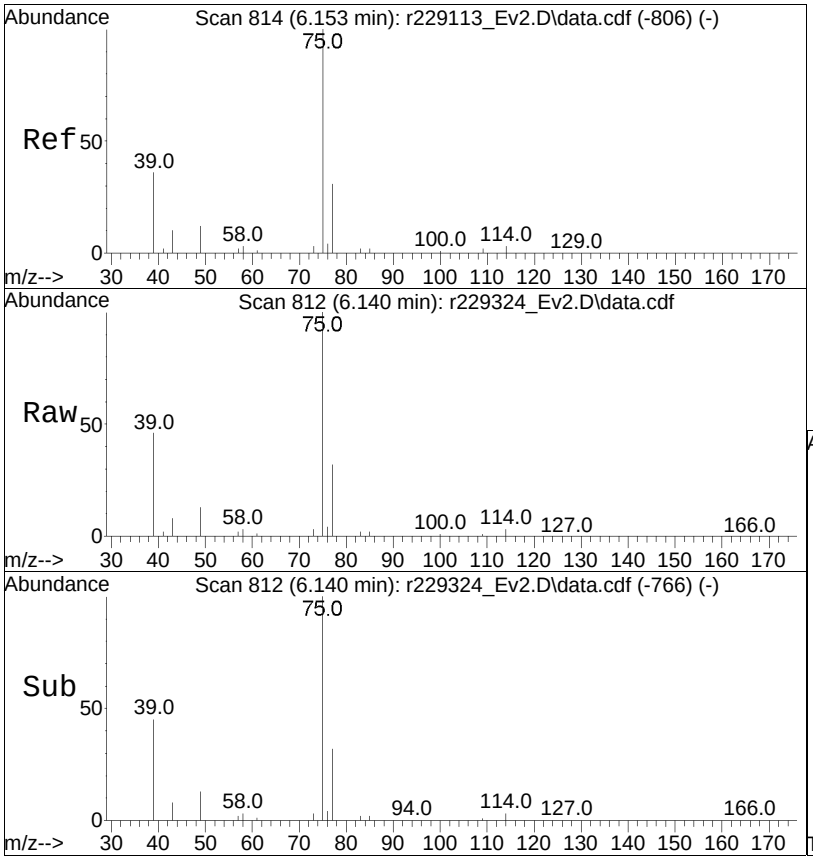


#46
heptane
Concen: 5.14 ppbV
RT: 5.890 min Scan# 776
Delta R.T. -0.013 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 43 Resp: 286100

Ion	Ratio	Lower	Upper
43	100		
57	50.6	35.6	53.4
100	19.6	16.6	24.8

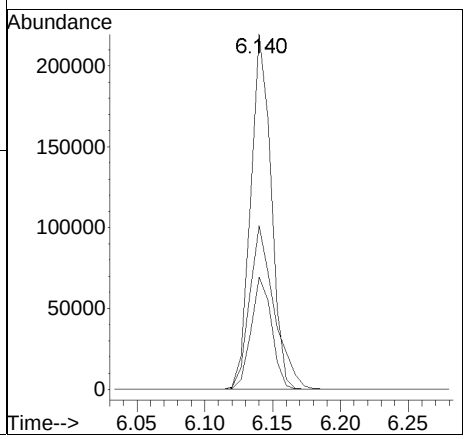


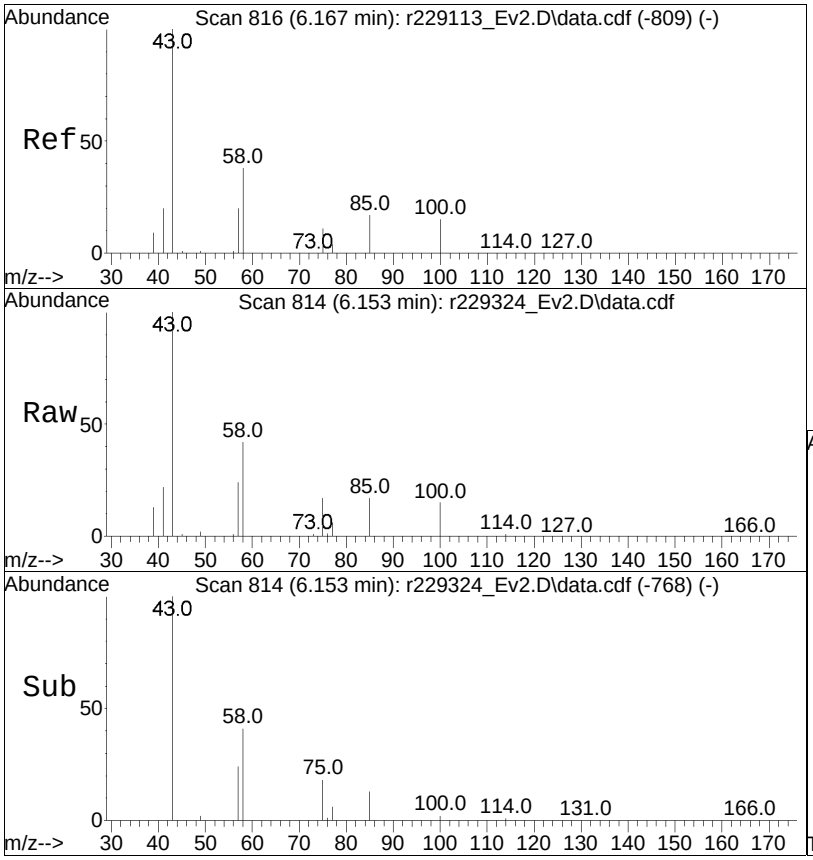


#47
cis-1,3-dichloropropene
Concen: 5.12 ppbV
RT: 6.140 min Scan# 812
Delta R.T. -0.013 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 75 Resp: 230530

Ion	Ratio	Lower	Upper
75	100		
39	46.1	28.7	43.1#
77	31.6	25.1	37.7

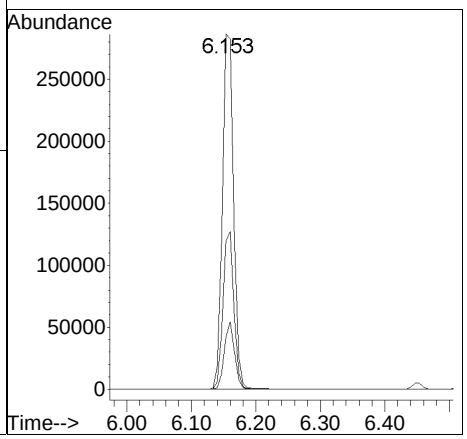


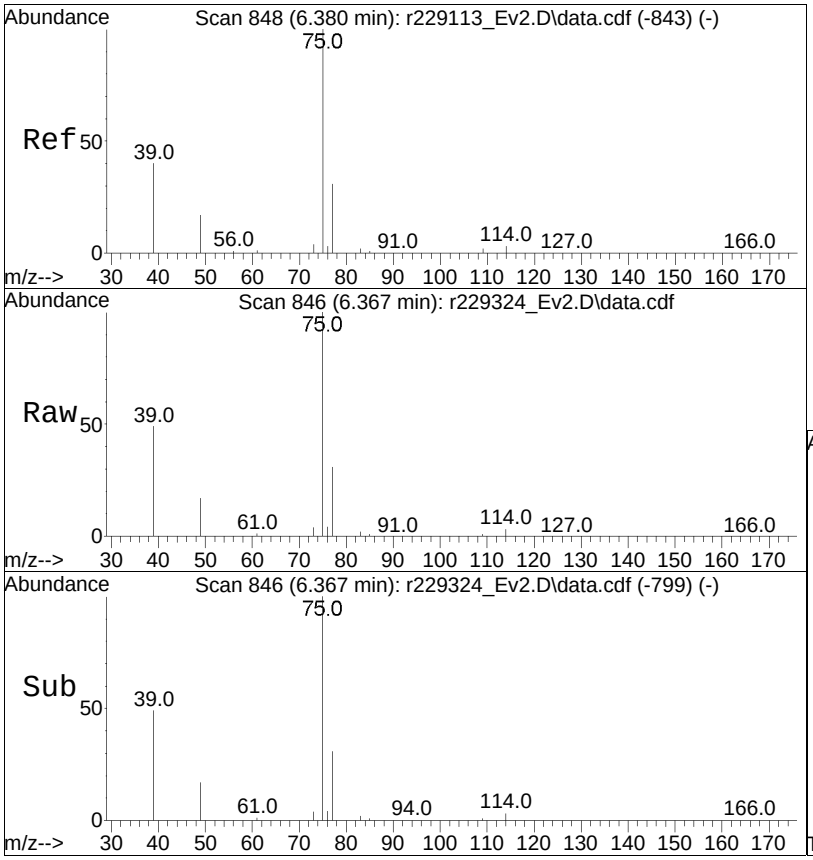


#48
4-methyl-2-pentanone
Concen: 5.35 ppbV
RT: 6.153 min Scan# 814
Delta R.T. -0.013 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 43 Resp: 347068

Ion	Ratio	Lower	Upper
43	100		
58	41.7	30.1	45.1
100	14.6	12.2	18.2

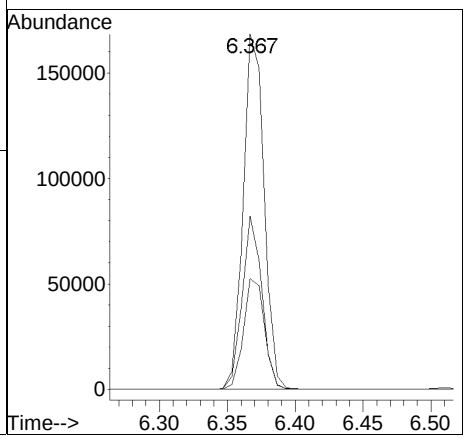


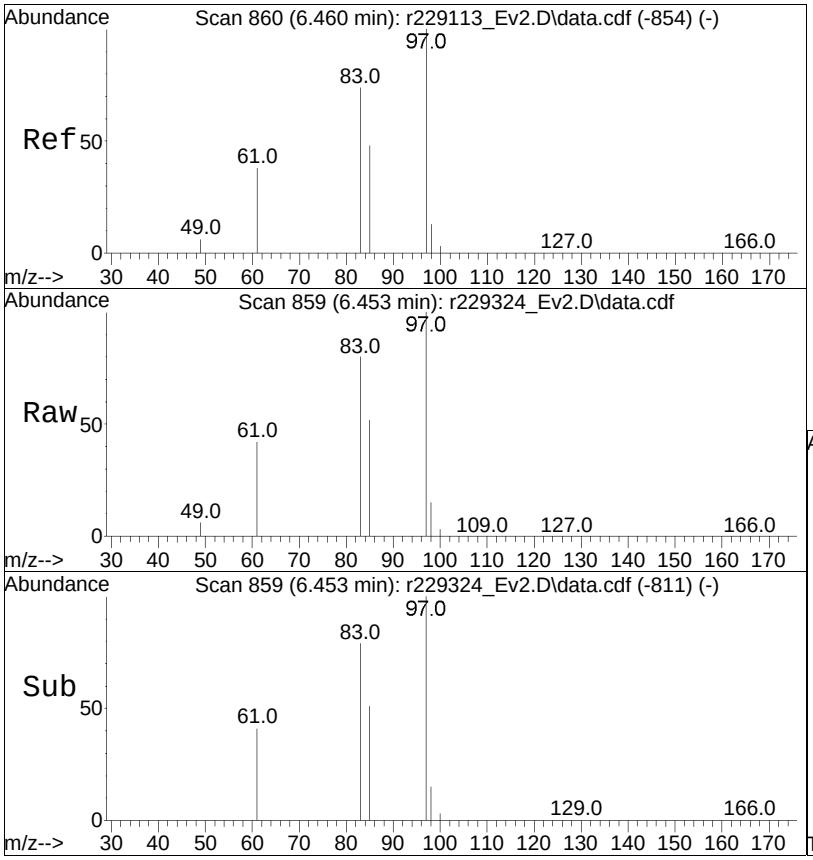


#49
trans-1,3-dichloropropene
Concen: 5.61 ppbV
RT: 6.367 min Scan# 846
Delta R.T. -0.013 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 75 Resp: 180083

Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.6	37.0
39	48.8	32.2	48.2#

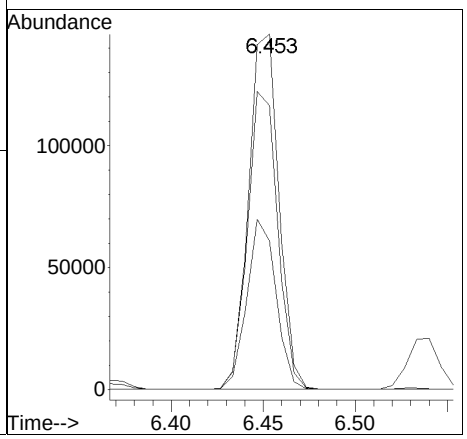


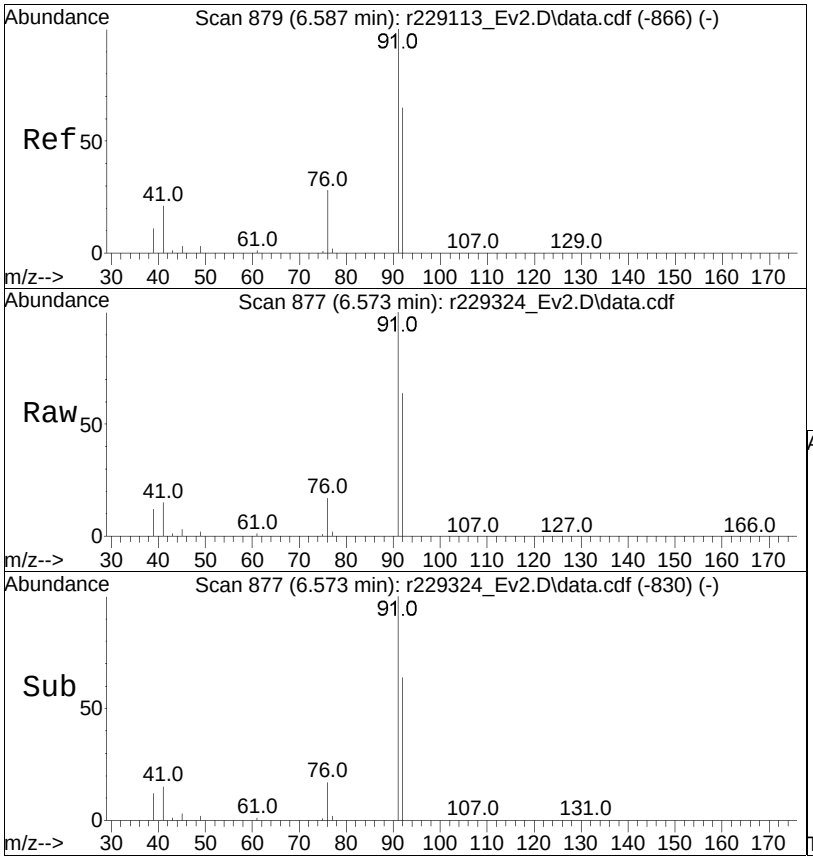


#50
1,1,2-trichloroethane
Concen: 4.51 ppbV
RT: 6.453 min Scan# 859
Delta R.T. -0.007 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 97 Resp: 167586

Ion	Ratio	Lower	Upper
97	100		
83	79.9	59.5	89.3
61	41.8	30.1	45.1

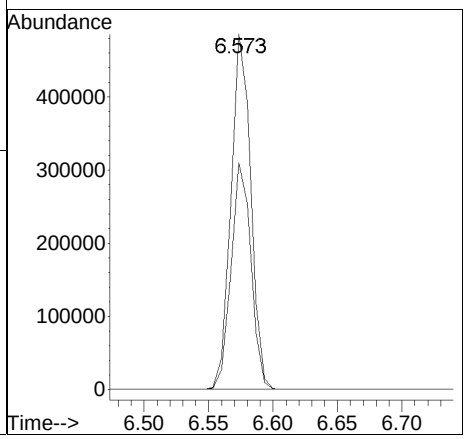


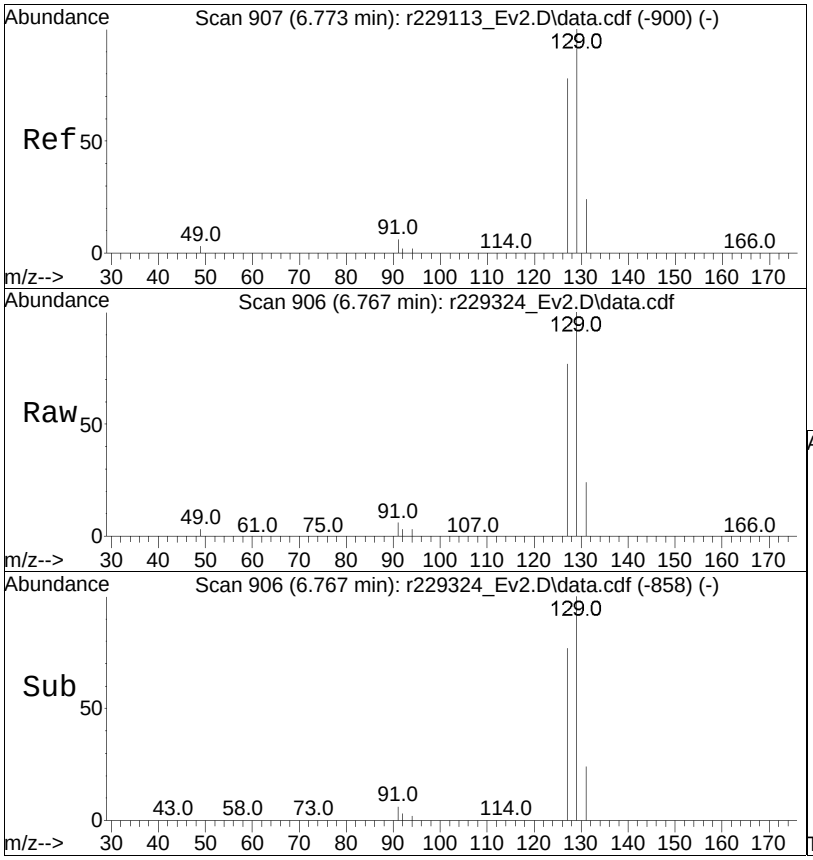


#52
toluene
Concen: 3.97 ppbV
RT: 6.573 min Scan# 877
Delta R.T. -0.013 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 91 Resp: 518243

Ion	Ratio	Lower	Upper
91	100		
92	63.9	52.2	78.2

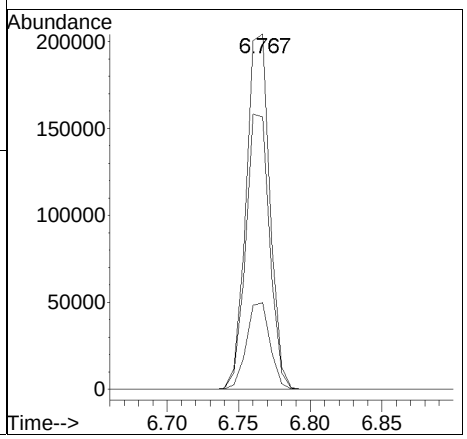


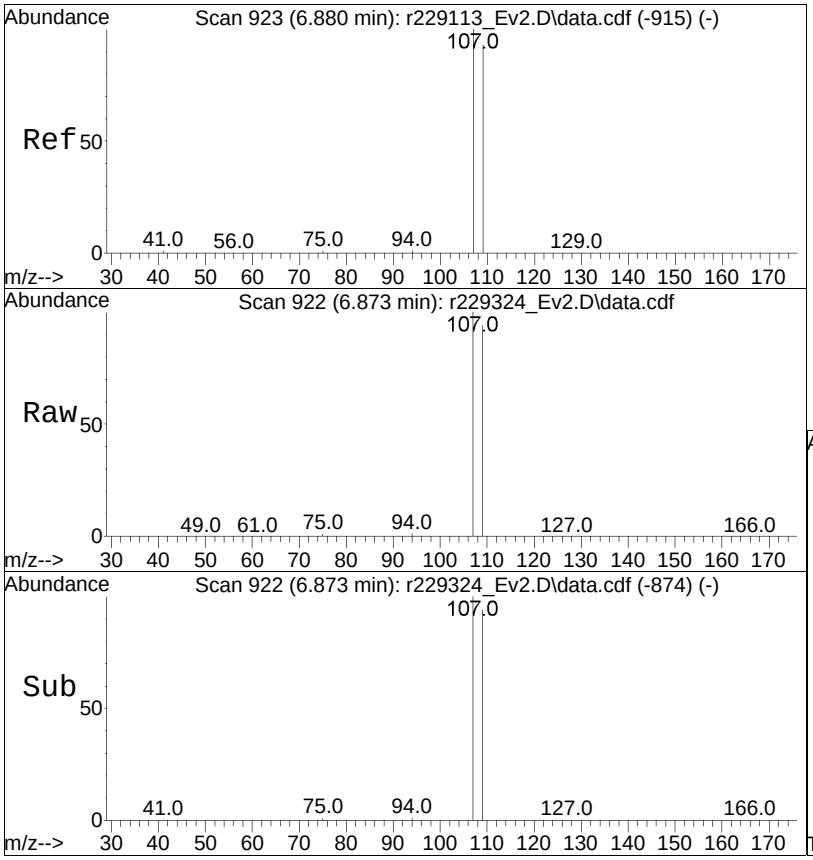


#55
dibromochloromethane
Concen: 4.61 ppbV
RT: 6.767 min Scan# 906
Delta R.T. -0.007 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion:129 Resp: 236319

Ion	Ratio	Lower	Upper
129	100		
127	76.7	62.0	93.0
131	24.4	19.0	28.6

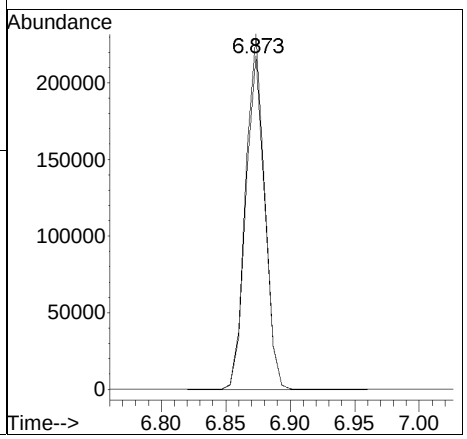


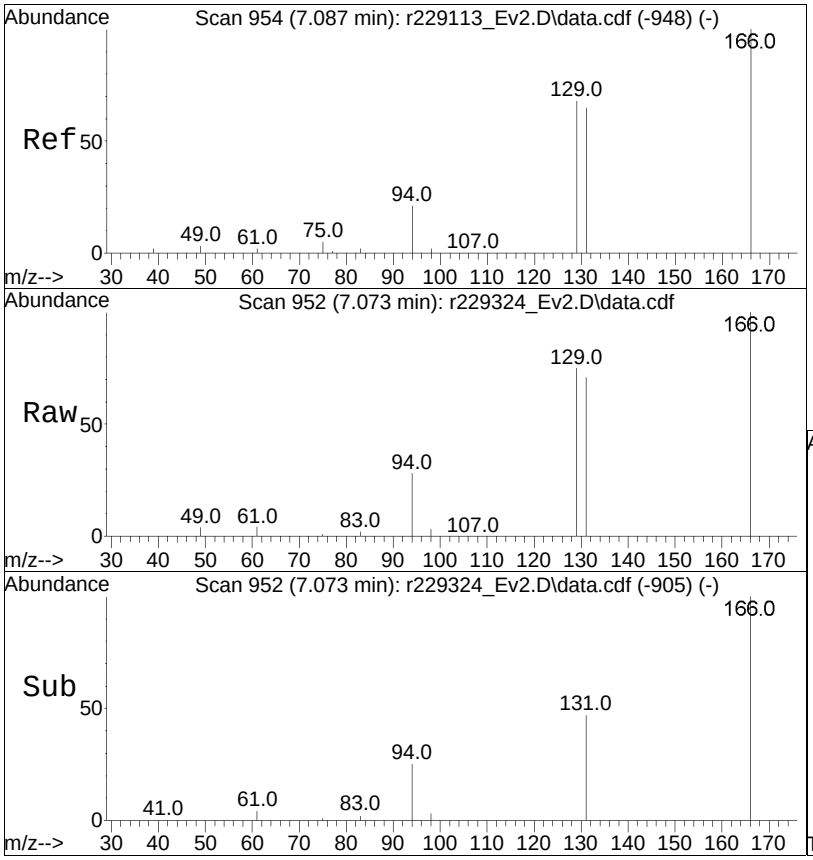


#56
1,2-dibromoethane
Concen: 4.10 ppbV
RT: 6.873 min Scan# 922
Delta R.T. -0.007 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion:107 Resp: 238130

Ion	Ratio	Lower	Upper
107	100		
109	93.9	74.1	111.1

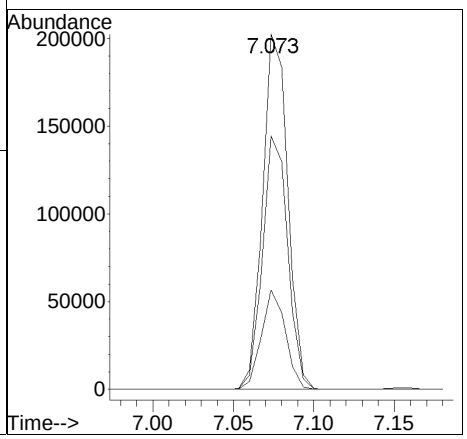


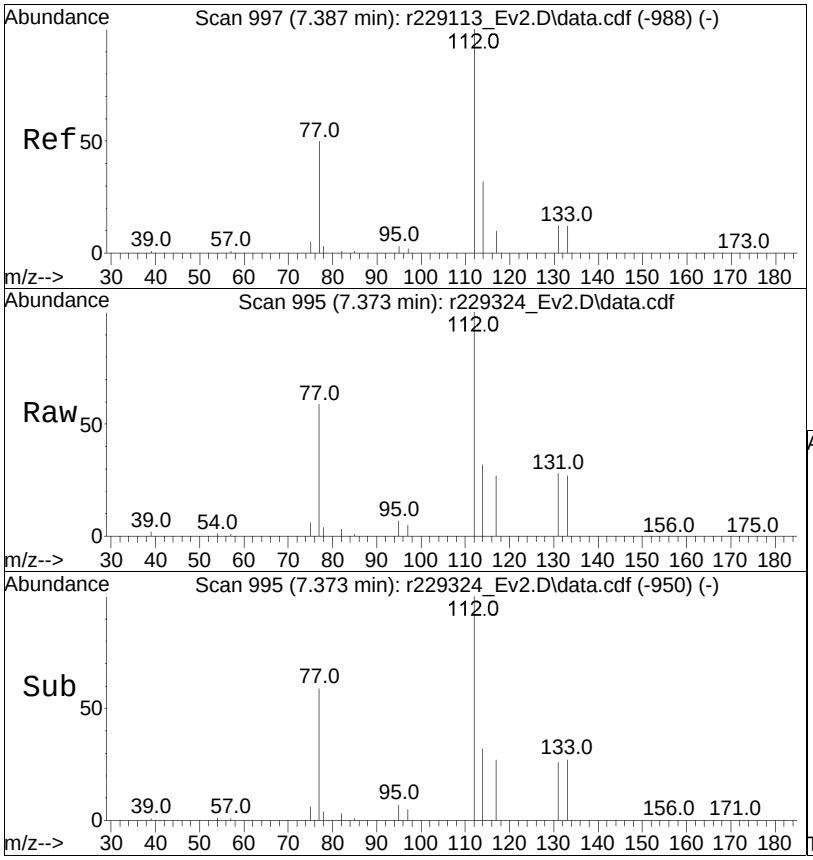


#57
tetrachloroethene
Concen: 3.51 ppbV
RT: 7.073 min Scan# 952
Delta R.T. -0.013 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion:166 Resp: 220608

Ion	Ratio	Lower	Upper
166	100		
131	71.3	51.9	77.9
94	28.0	16.6	24.8#

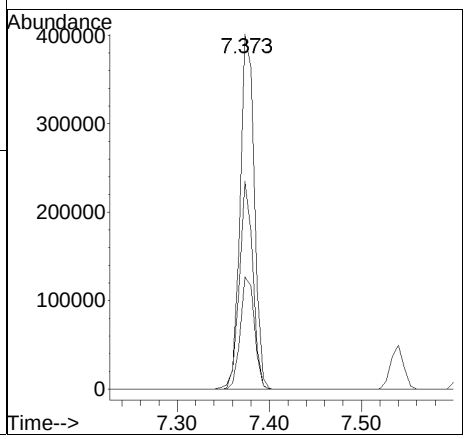


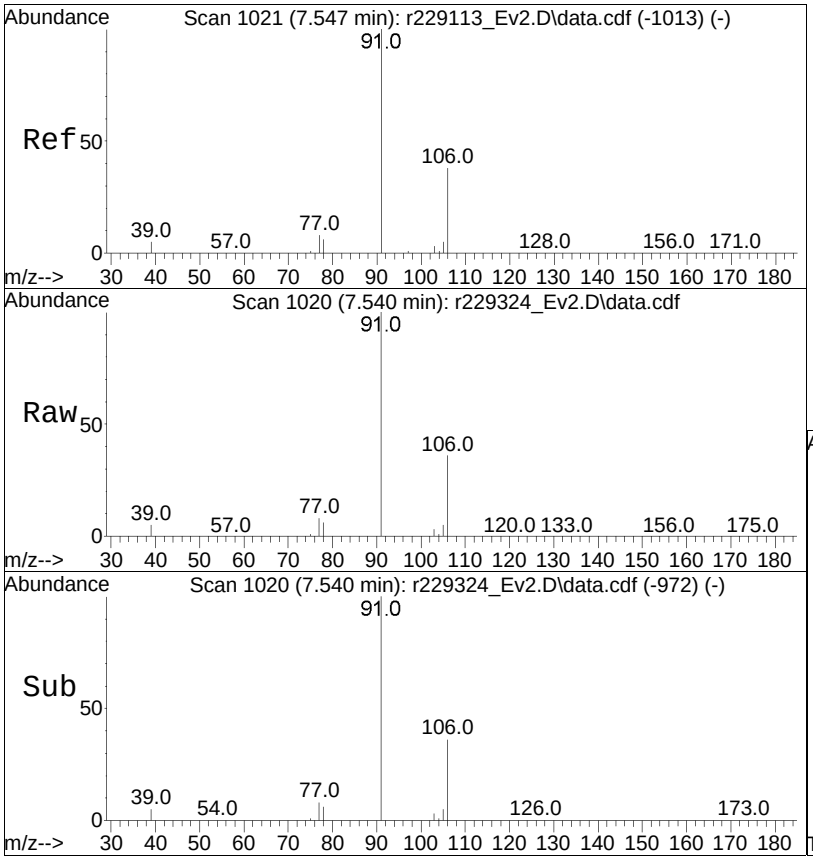


#59
chlorobenzene
Concen: 3.71 ppbV
RT: 7.373 min Scan# 995
Delta R.T. -0.013 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion:112 Resp: 428649

Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.7	38.5
77	58.6	40.2	60.2

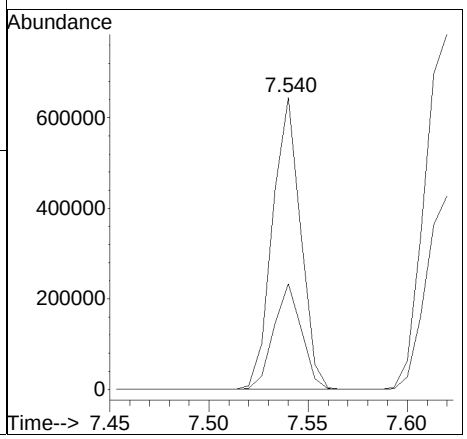


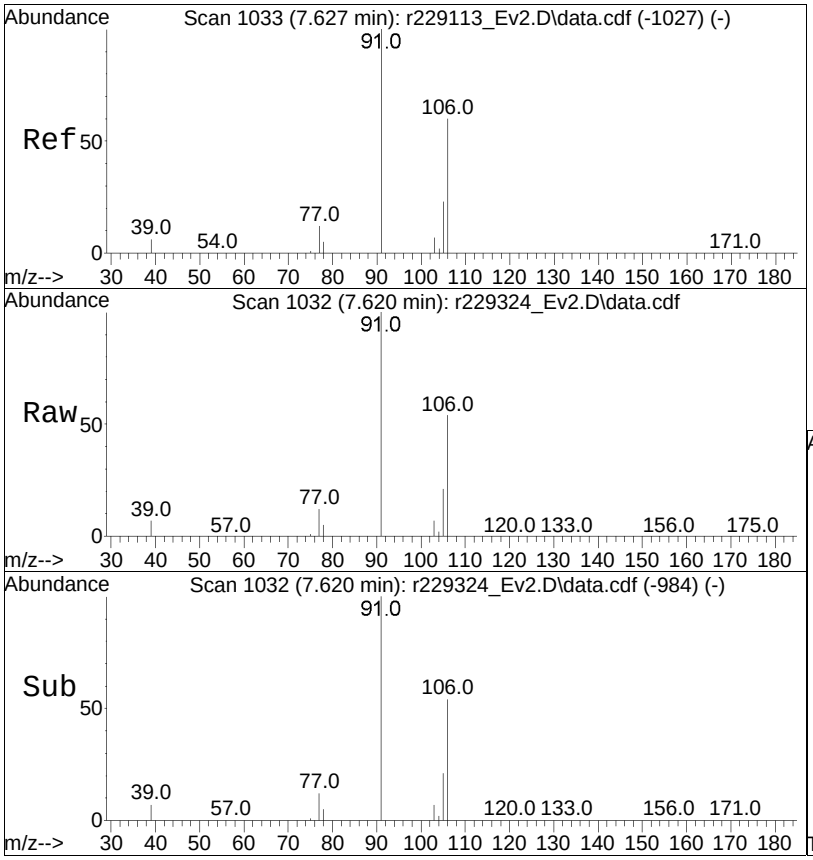


#60
ethylbenzene
Concen: 4.00 ppbV
RT: 7.540 min Scan# 1020
Delta R.T. -0.007 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 91 Resp: 635696

Ion	Ratio	Lower	Upper
91	100		
106	36.2	30.4	45.6

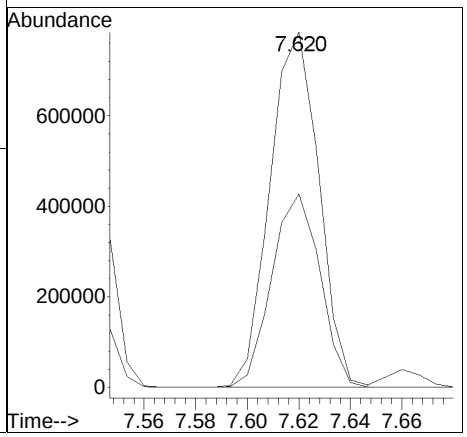


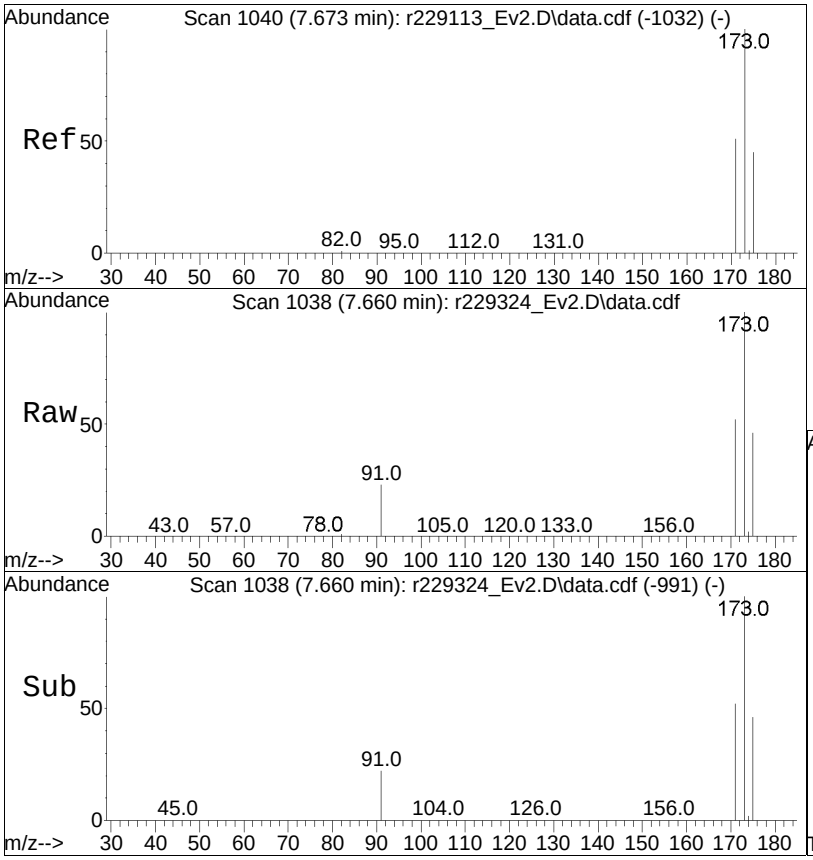


#61
m+p-xylene
Concen: 8.29 ppbV
RT: 7.620 min Scan# 1032
Delta R.T. -0.007 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 91 Resp: 1036905

Ion	Ratio	Lower	Upper
91	100		
106	54.5	48.2	72.2

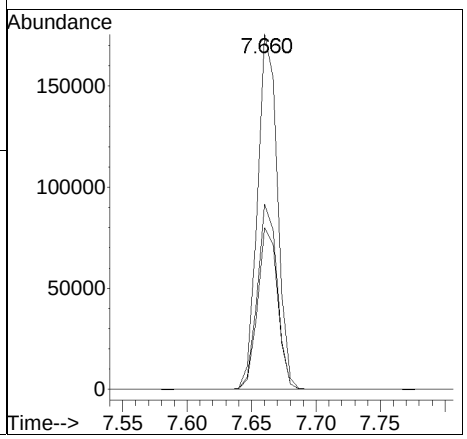


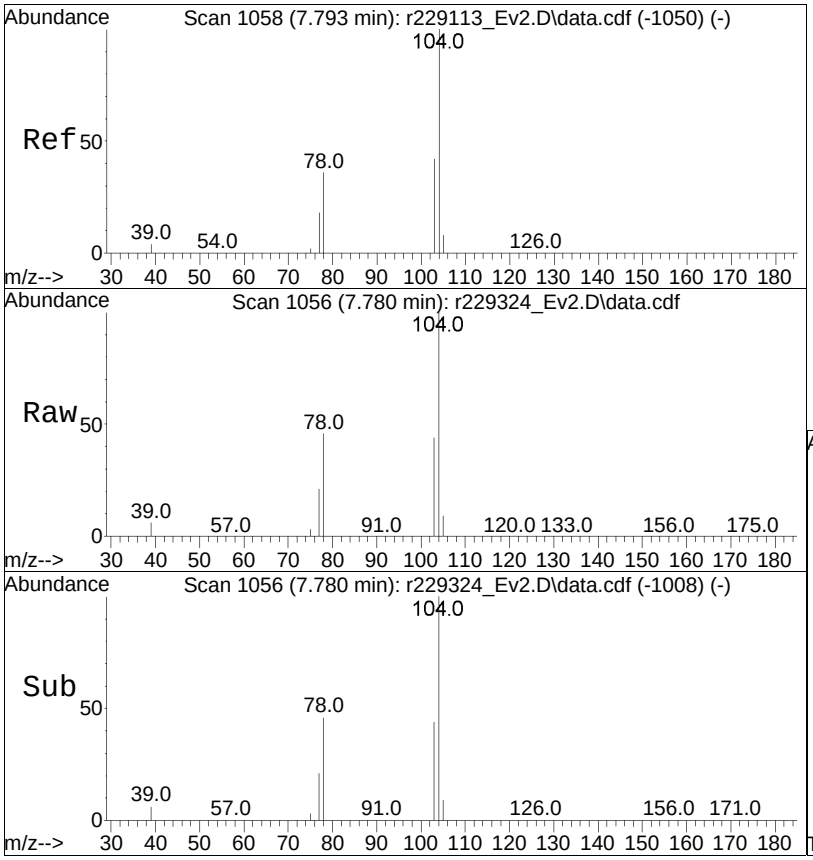


#62
bromoform
Concen: 4.64 ppbV
RT: 7.660 min Scan# 1038
Delta R.T. -0.013 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion:173 Resp: 189051

Ion	Ratio	Lower	Upper
173	100		
175	45.5	36.2	54.2
171	52.2	41.0	61.6

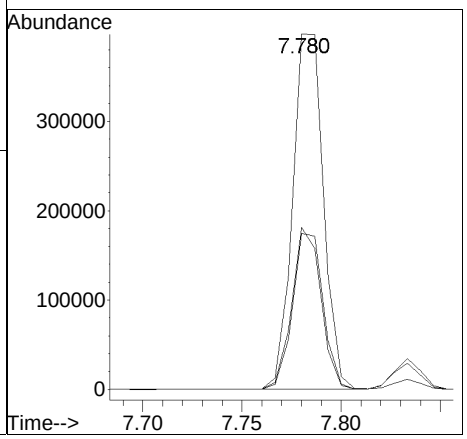


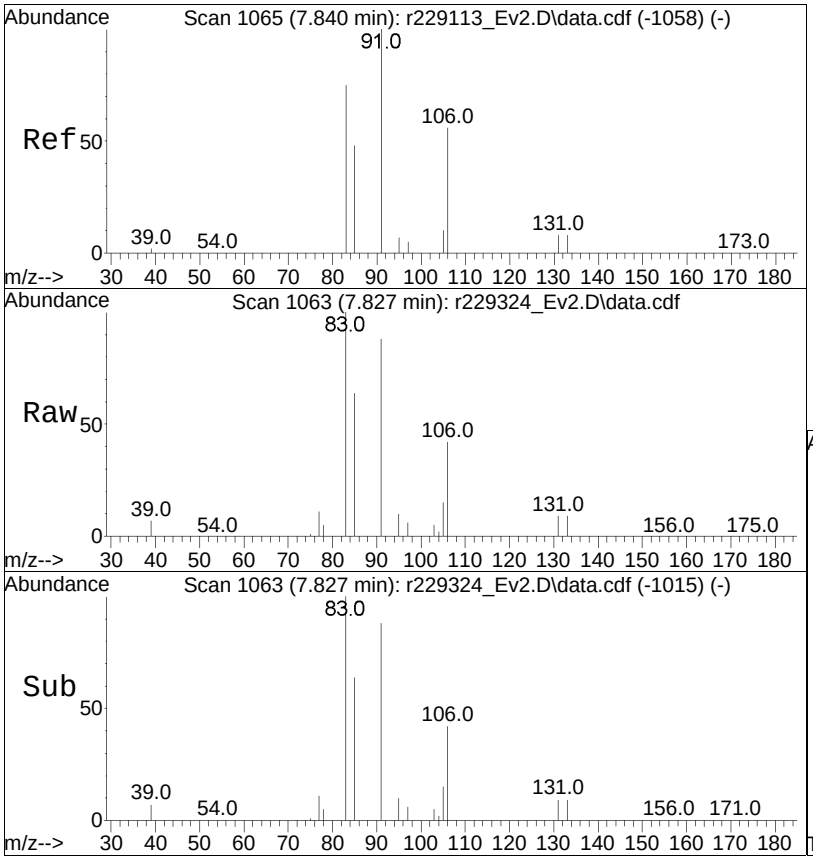


#63
styrene
Concen: 3.67 ppbV
RT: 7.780 min Scan# 1056
Delta R.T. -0.013 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion:104 Resp: 430805

Ion	Ratio	Lower	Upper
104	100		
103	43.9	33.7	50.5
78	45.5	28.9	43.3#

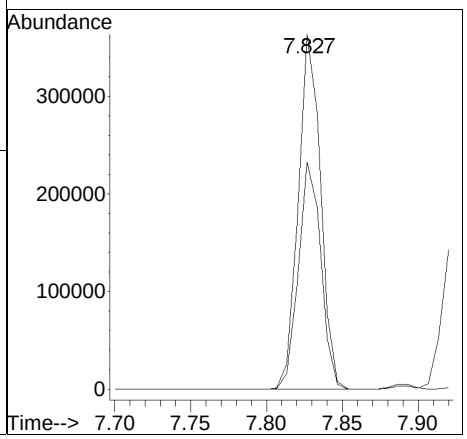


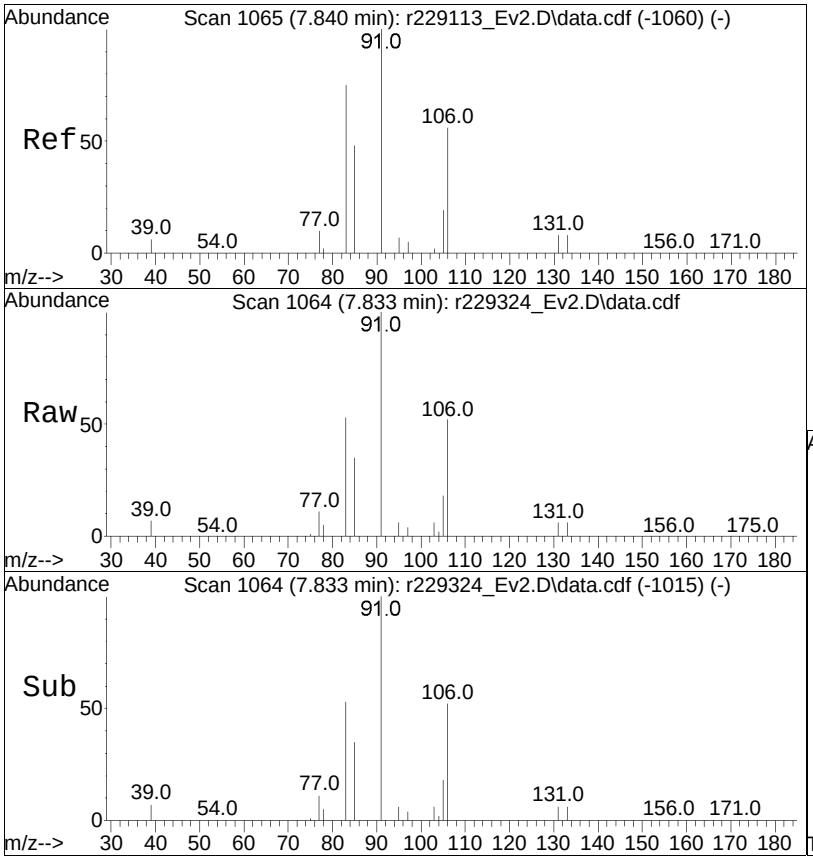


#64
1,1,2,2-tetrachloroethane
Concen: 4.20 ppbV
RT: 7.827 min Scan# 1063
Delta R.T. -0.013 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 83 Resp: 371610

Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.7	77.5

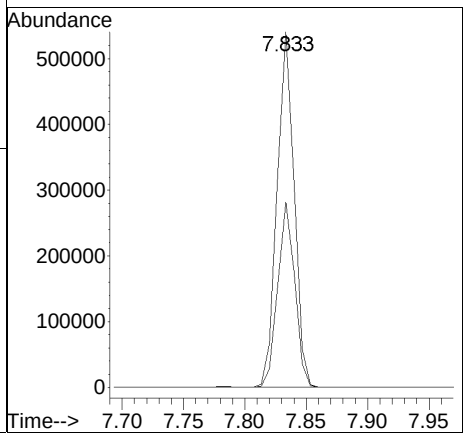


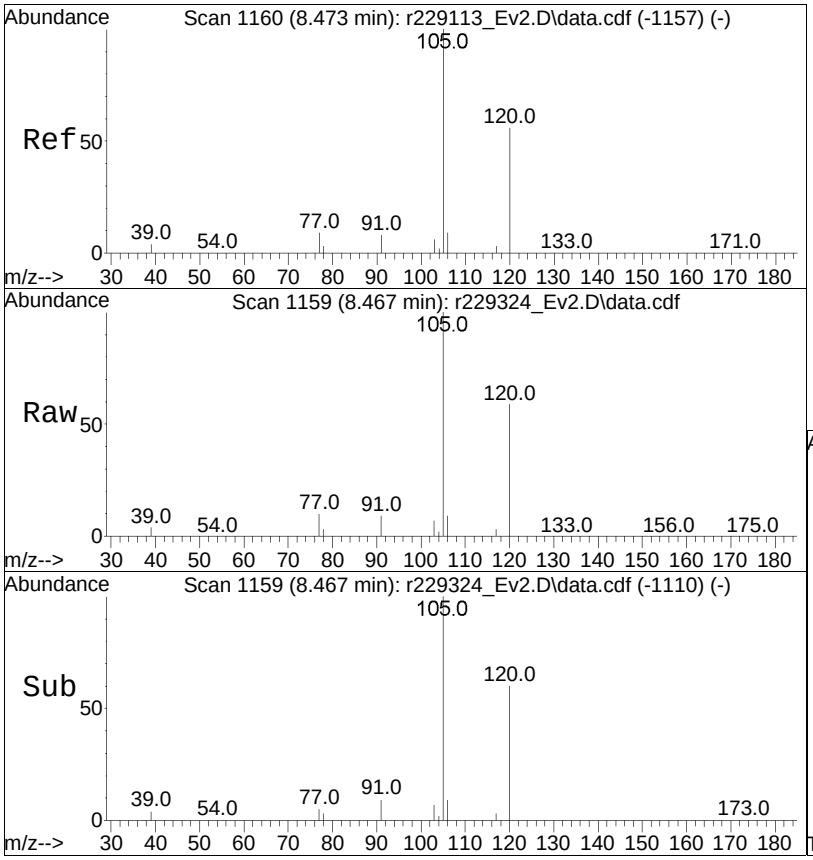


#65
o-xylene
Concen: 4.18 ppbV
RT: 7.833 min Scan# 1064
Delta R.T. -0.007 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 91 Resp: 524405

Ion	Ratio	Lower	Upper
91	100		
106	52.1	44.8	67.2

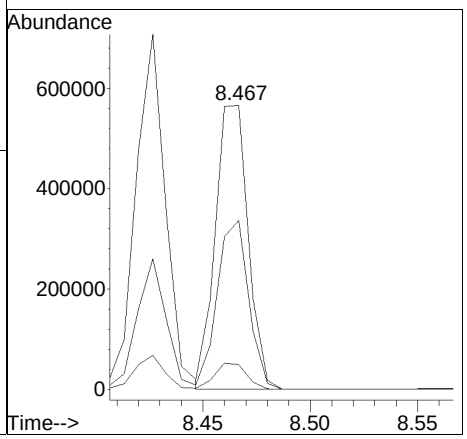


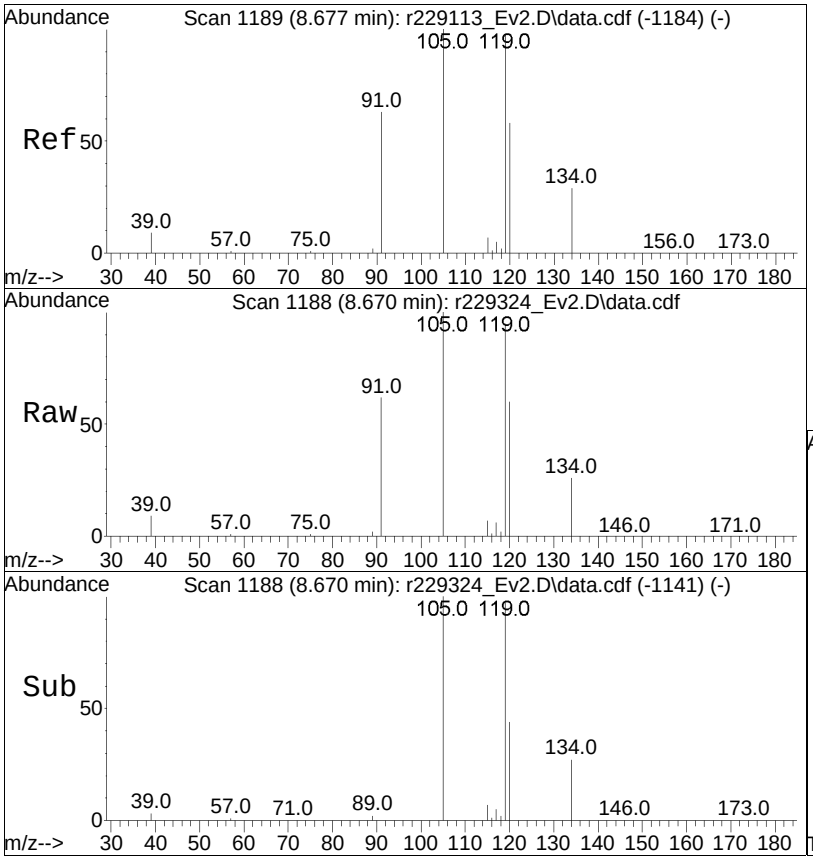


#71
1,3,5-trimethylbenzene
Concen: 4.00 ppbV
RT: 8.467 min Scan# 1159
Delta R.T. -0.007 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion:105 Resp: 602417

Ion	Ratio	Lower	Upper
105	100		
120	59.5	44.2	66.4
91	8.7	6.2	9.4

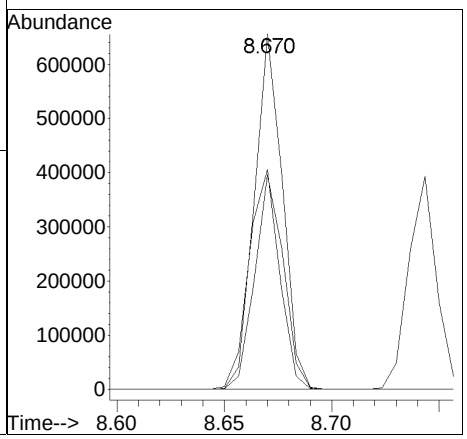


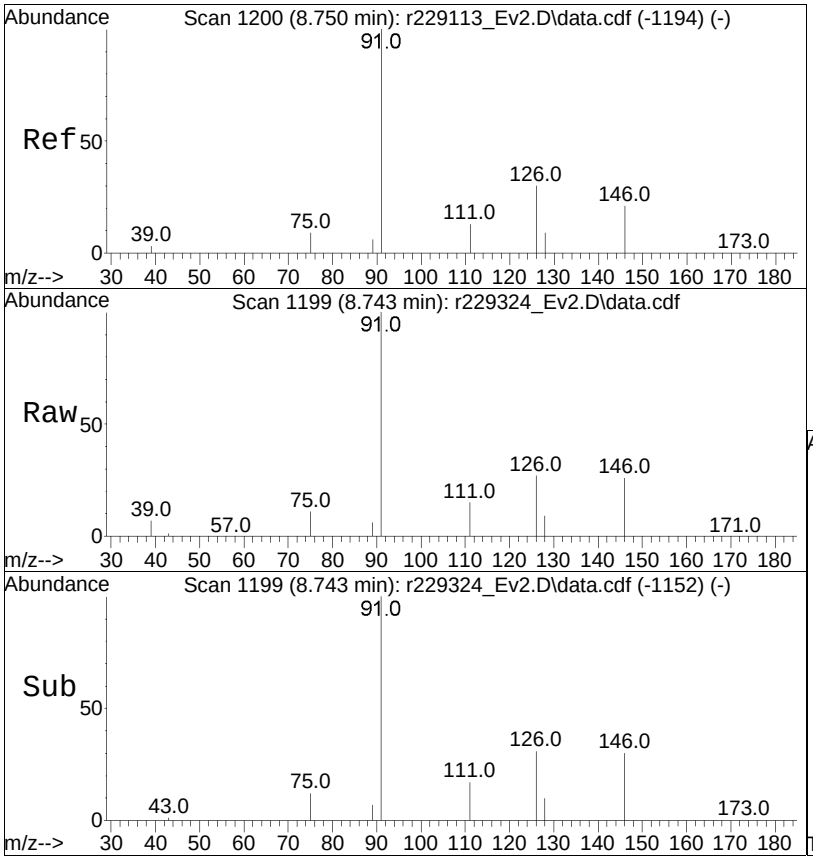


#73
1,2,4-trimethylbenzene
Concen: 4.01 ppbV
RT: 8.670 min Scan# 1188
Delta R.T. -0.007 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion:105 Resp: 596438

Ion	Ratio	Lower	Upper
105	100		
120	60.4	46.5	69.7
91	61.9	50.3	75.5

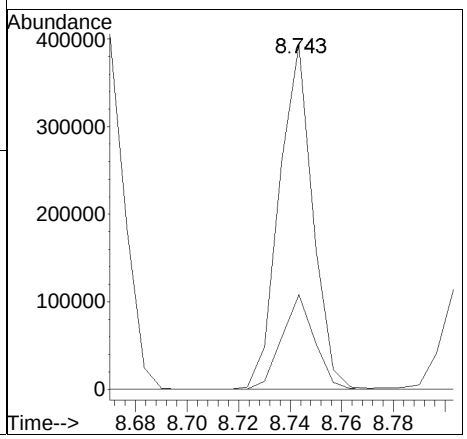


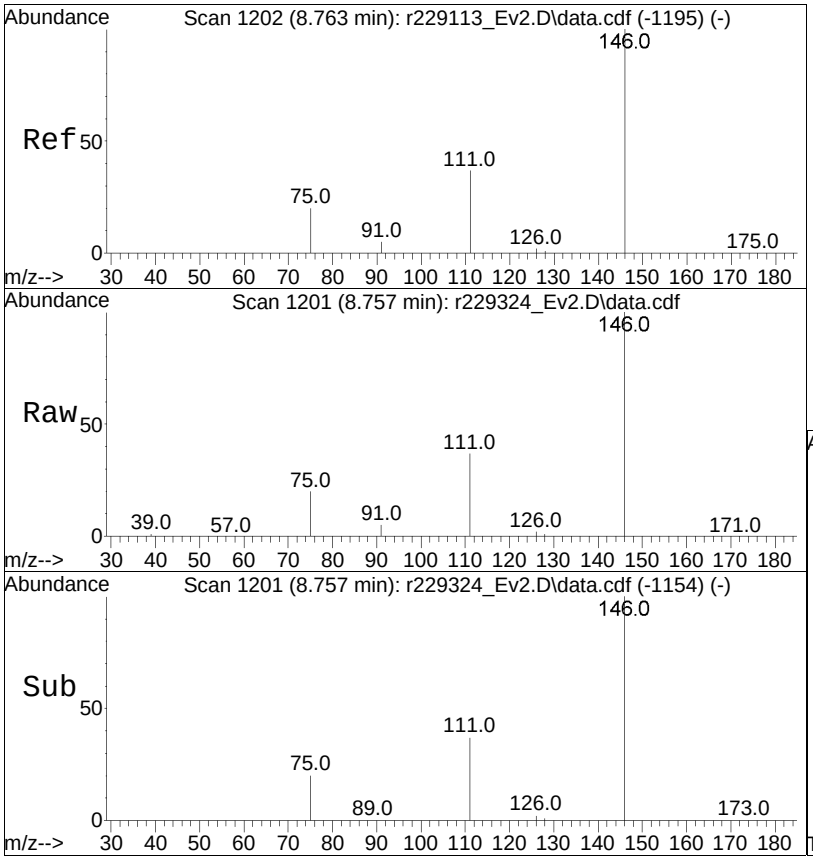


#74
Benzyl Chloride
Concen: 4.62 ppbV
RT: 8.743 min Scan# 1199
Delta R.T. -0.007 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion: 91 Resp: 356374

Ion	Ratio	Lower	Upper
91	100		
126	27.5	23.6	35.4

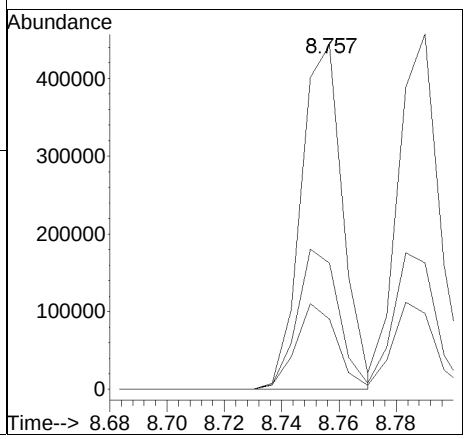


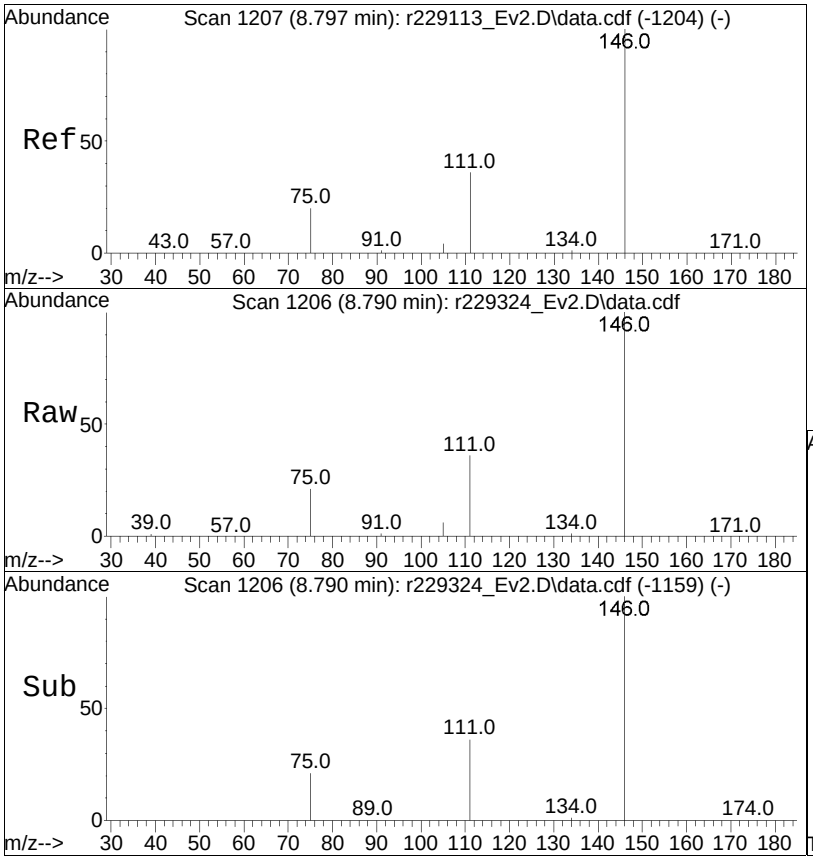


#75
1,3-dichlorobenzene
Concen: 3.87 ppbV
RT: 8.757 min Scan# 1201
Delta R.T. -0.007 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion:146 Resp: 448512

Ion	Ratio	Lower	Upper
146	100		
111	36.7	29.6	44.4
75	20.4	16.1	24.1

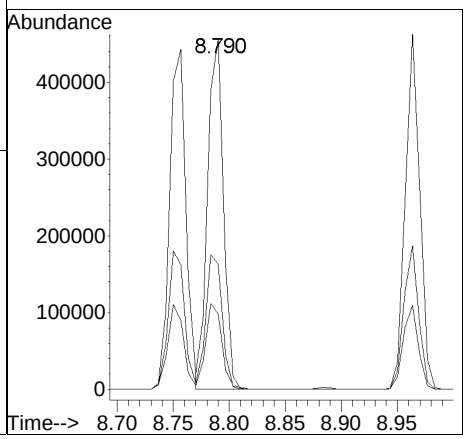


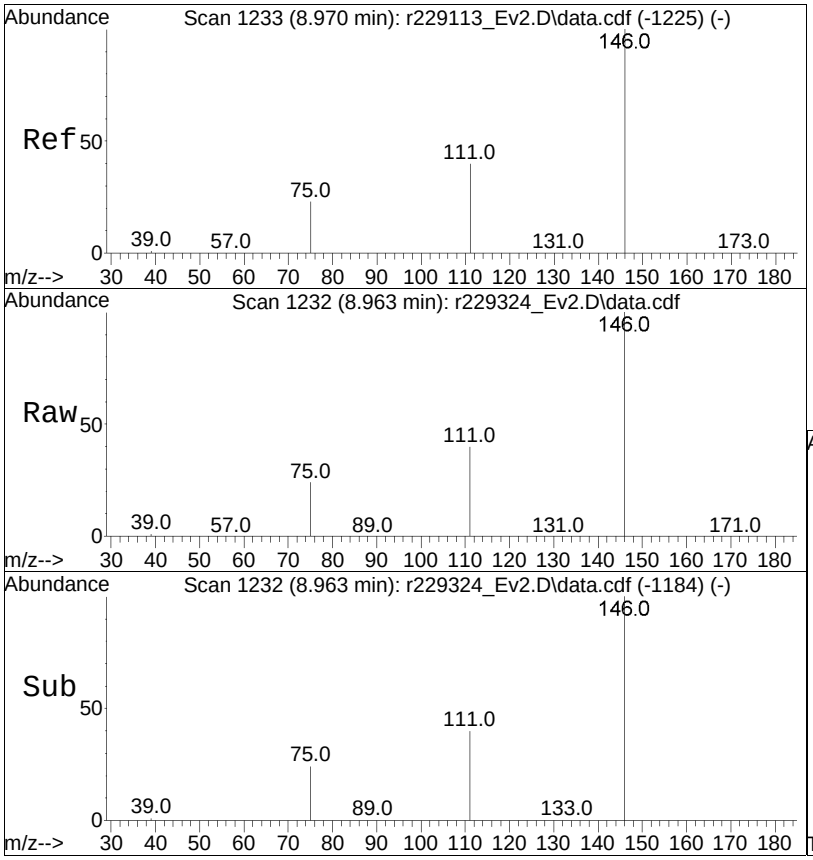


#76
1,4-dichlorobenzene
Concen: 3.84 ppbV
RT: 8.790 min Scan# 1206
Delta R.T. -0.007 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion:146 Resp: 447760

Ion	Ratio	Lower	Upper
146	100		
111	35.6	28.4	42.6
75	21.4	16.1	24.1

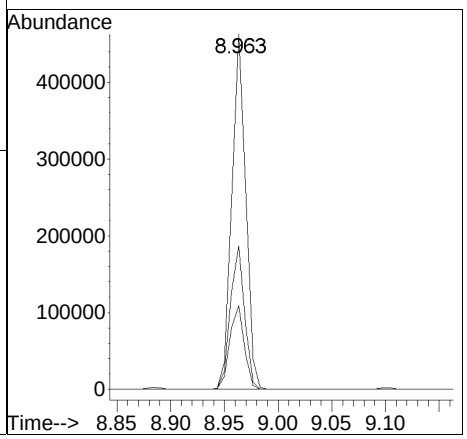


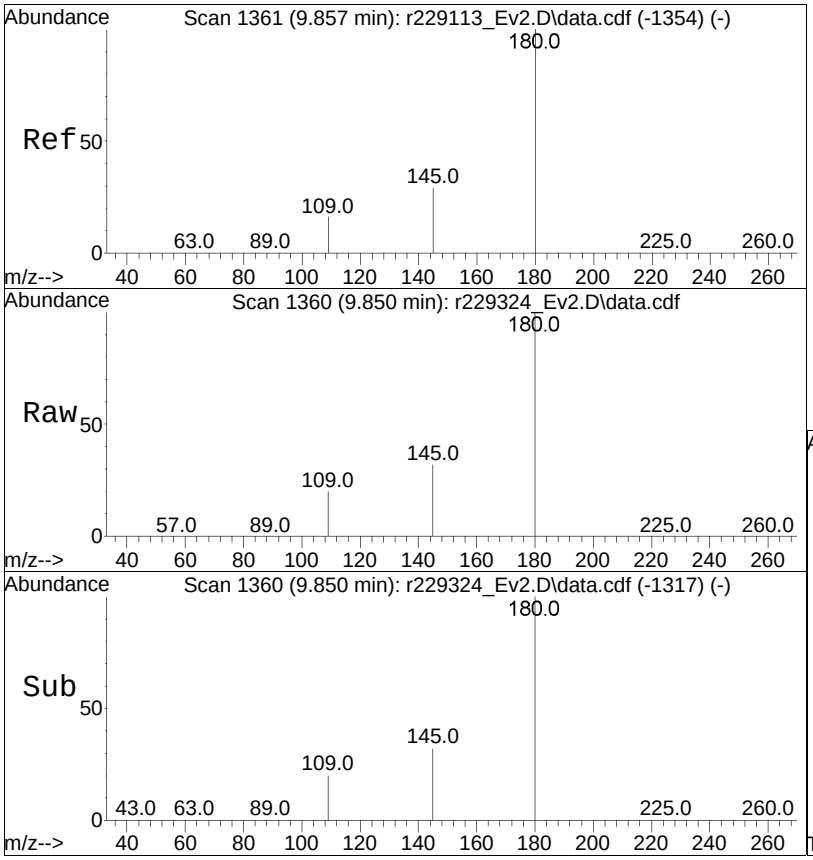


#79
1,2-dichlorobenzene
Concen: 3.78 ppbV
RT: 8.963 min Scan# 1232
Delta R.T. -0.007 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion:146 Resp: 417402

Ion	Ratio	Lower	Upper
146	100		
111	40.4	32.4	48.6
75	23.6	18.2	27.4

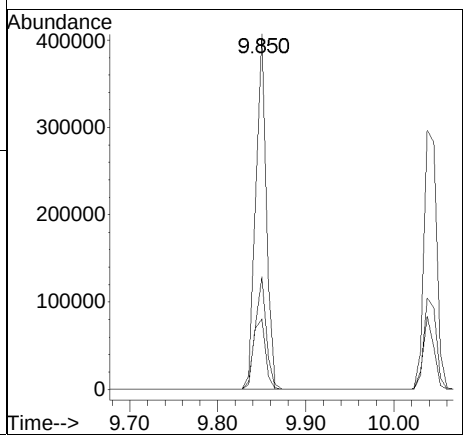


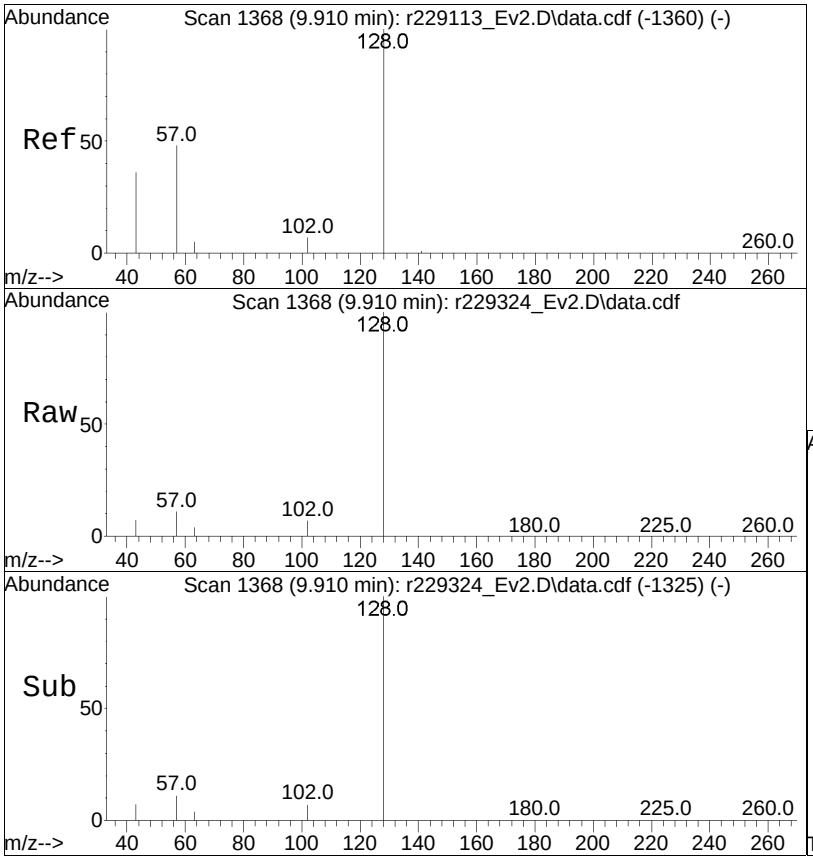


#82
1,2,4-trichlorobenzene
Concen: 3.78 ppbV
RT: 9.850 min Scan# 1360
Delta R.T. -0.008 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion:180 Resp: 343569

Ion	Ratio	Lower	Upper
180	100		
145	31.7	23.3	34.9
109	19.8	12.9	19.3#

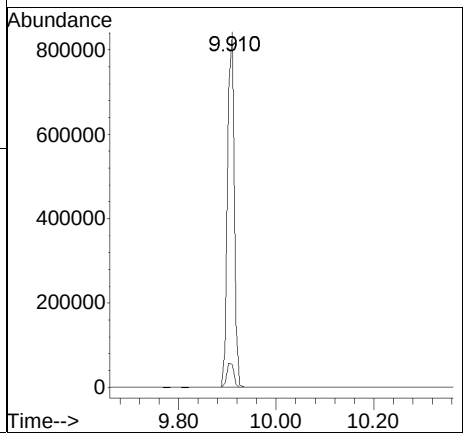


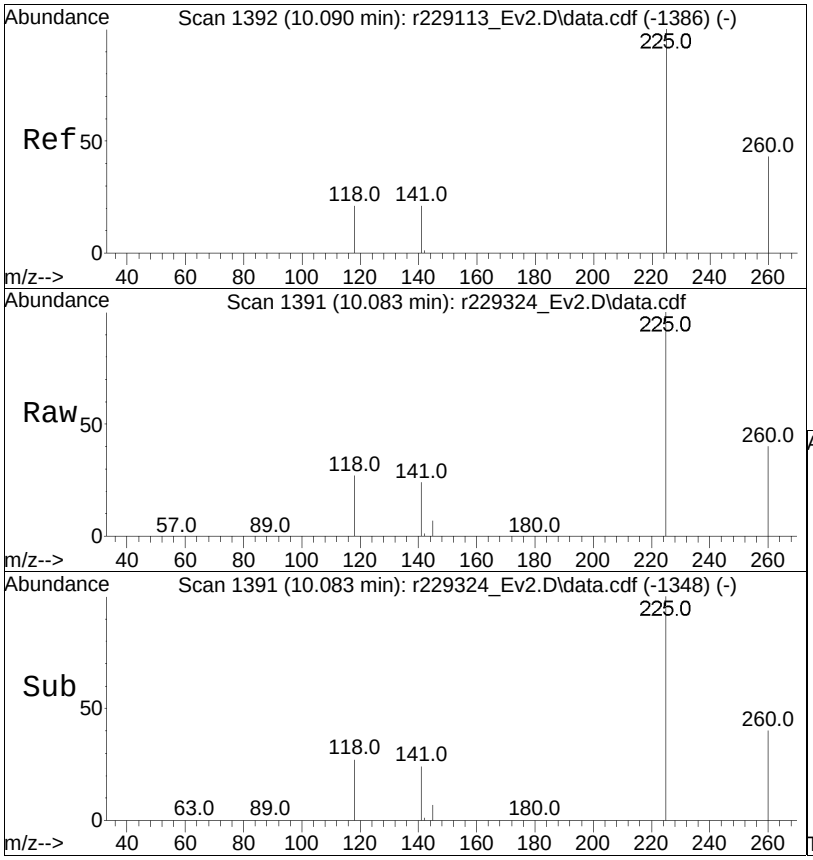


#83
naphthalene
Concen: 3.56 ppbV
RT: 9.910 min Scan# 1368
Delta R.T. 0.000 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion:128 Resp: 814615

Ion	Ratio	Lower	Upper
128	100		
102	6.5	5.5	8.3

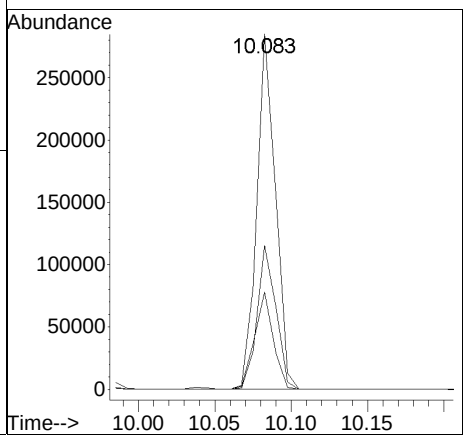




#85
hexachlorobutadiene
Concen: 3.72 ppbV
RT: 10.083 min Scan# 1391
Delta R.T. -0.008 min
Lab File: r229324_Ev2.D
Acq: 19 Feb 2025 5:02 PM

Tgt Ion:225 Resp: 242629

Ion	Ratio	Lower	Upper
225	100		
260	40.5	34.3	51.5
118	27.4	17.0	25.6#



Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229332_Ev2.D
Acq On : 20 Feb 2025 1:33 AM
Operator : AIRLAB22:TPH
Sample : WG2032006-5,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 20 07:51:16 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0219SIM\r229324_Ev2.D
Sub List : NYDEC-SIM - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	4.563	49	313340	10.000	ppbV	0.00
Standard Area = 316137			Recovery = 99.12%			
33) 1,4-difluorobenzene	5.443	114	990934	10.000	ppbV	-0.01
Standard Area = 1013027			Recovery = 97.82%			
51) chlorobenzene-D5	7.353	54	129337	10.000	ppbV	#-0.01
Standard Area = 123842			Recovery = 104.44%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	2.505	85	22674	0.640	ppbV	99
4) chloromethane	2.585	50	11252	0.554	ppbV	95
5) Freon-114	2.630	85	863	0.021	ppbV	92
6) vinyl chloride	2.680	62	686	0.031	ppbV	96
8) bromomethane	2.855	94	375	0.021	ppbV	84
9) chloroethane	2.932	64	196	0.017	ppbV #	51
10) ethanol	2.971	31	552853	43.840	ppbV	95
14) trichlorofluoromethane	3.262	101	7416	0.310	ppbV	99
17) 1,1-dichloroethene	3.545		0	N.D.		
18) tertiary butyl alcohol	0.000		0	N.D.	d	
19) methylene chloride	3.595	49	6587	0.233	ppbV	88
22) Freon 113	3.715	101	3482	0.070	ppbV	95
23) trans-1,2-dichloroethene	4.013	61	8604	0.266	ppbV #	83
24) 1,1-dichloroethane	4.107		0	N.D.		
25) MTBE	4.153		0	N.D.		
27) 2-butanone	4.290	43	33902	0.595	ppbV #	98
28) cis-1,2-dichloroethene	4.483	61	39580	1.171	ppbV #	83
30) chloroform	4.623	83	1259	0.033	ppbV	97
32) 1,2-dichloroethane	4.957	62	2279	0.109	ppbV	93
34) hexane	4.583	57	17019	0.452	ppbV	98
36) 1,1,1-trichloroethane	5.077	97	2296	0.069	ppbV	95
37) benzene	5.290	78	25508	0.276	ppbV	99
38) carbon tetrachloride	5.357	117	2660	0.103	ppbV	94
39) cyclohexane	5.417	56	5845M6	0.128	ppbV	
41) 1,2-dichloropropane	5.657		0	N.D.		
42) bromodichloromethane	0.000		0	N.D.	d	
43) 1,4-dioxane	5.810	88	802	0.039	ppbV	96
44) trichloroethene	5.763	130	99062	2.343	ppbV	97

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
Data File : r229332_Ev2.D
Acq On : 20 Feb 2025 1:33 AM
Operator : AIRLAB22:TPH
Sample : WG2032006-5,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 20 07:51:16 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab22\2025\02\0219SIM\r229324_Ev2.D
Sub List : NYDEC-SIM - .

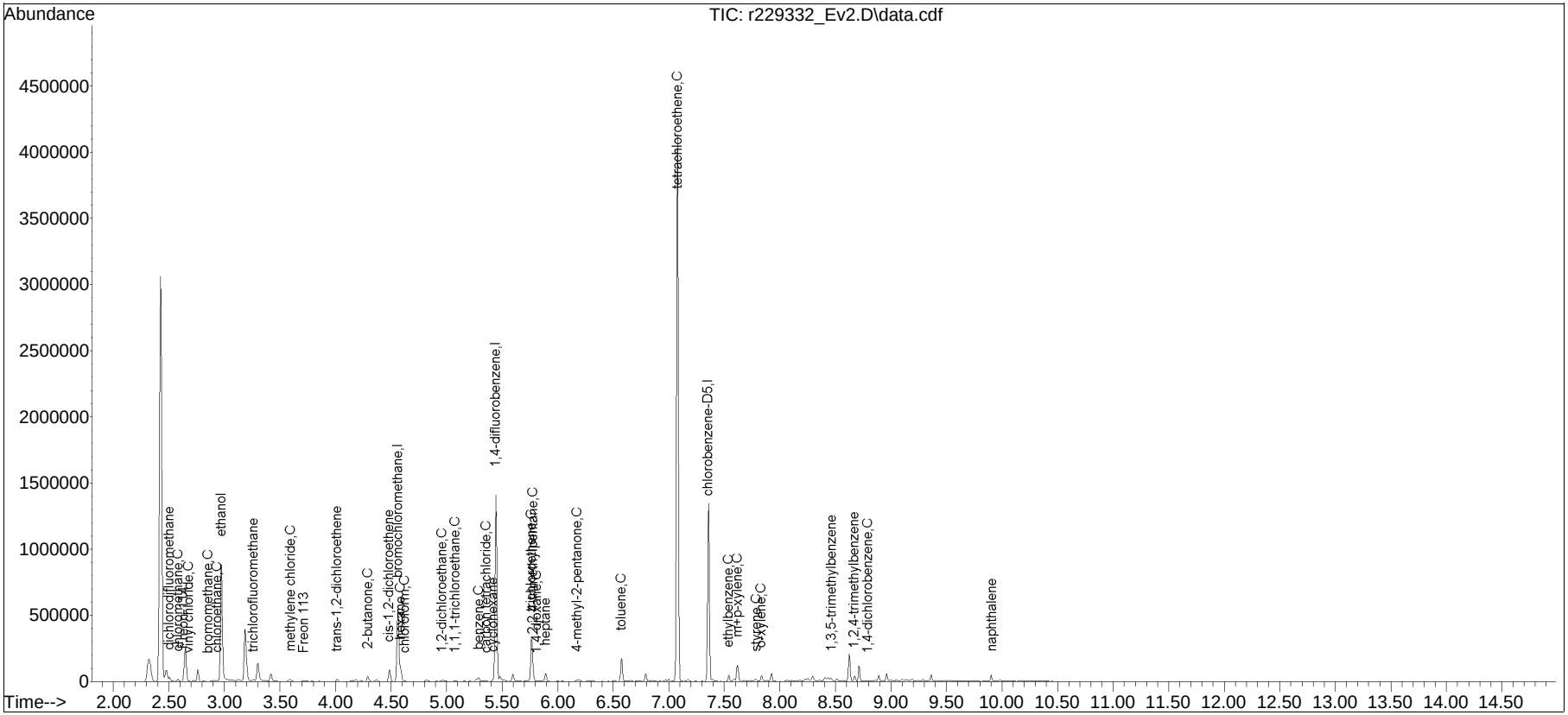
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 2,2,4-trimethylpentane	5.777	57	28740	0.237	ppbV #	87
46) heptane	5.890	43	27050	0.497	ppbV	92
47) cis-1,3-dichloropropene	0.000		0	N.D.		
48) 4-methyl-2-pentanone	6.173	43	4759	0.075	ppbV	98
49) trans-1,3-dichloropropene	0.000		0	N.D.		
50) 1,1,2-trichloroethane	0.000		0	N.D.		
52) toluene	6.573	91	97442	0.715	ppbV	98
55) dibromochloromethane	0.000		0	N.D.		
56) 1,2-dibromoethane	0.000		0	N.D.		
57) tetrachloroethene	7.080	166	1674441	25.483	ppbV	96
59) chlorobenzene	7.387		0	N.D.		
60) ethylbenzene	7.540	91	28265	0.170	ppbV	94
61) m+p-xylene	7.620	91	72213	0.553	ppbV	91
62) bromoform	7.667		0	N.D.		
63) styrene	7.787	104	4976	0.041	ppbV #	92
64) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	d	
65) o-xylene	7.833	91	22388	0.171	ppbV	89
71) 1,3,5-trimethylbenzene	8.467	105	5427	0.035	ppbV #	99
73) 1,2,4-trimethylbenzene	8.670	105	18812	0.121	ppbV #	59
74) Benzyl Chloride	0.000		0	N.D.	d	
75) 1,3-dichlorobenzene	8.757		0	N.D.		
76) 1,4-dichlorobenzene	8.790	146	1317	0.011	ppbV #	64
79) 1,2-dichlorobenzene	8.970		0	N.D.		
82) 1,2,4-trichlorobenzene	9.850		0	N.D.		
83) naphthalene	9.910	128	6015	0.025	ppbV	98
85) hexachlorobutadiene	0.000		0	N.D.		

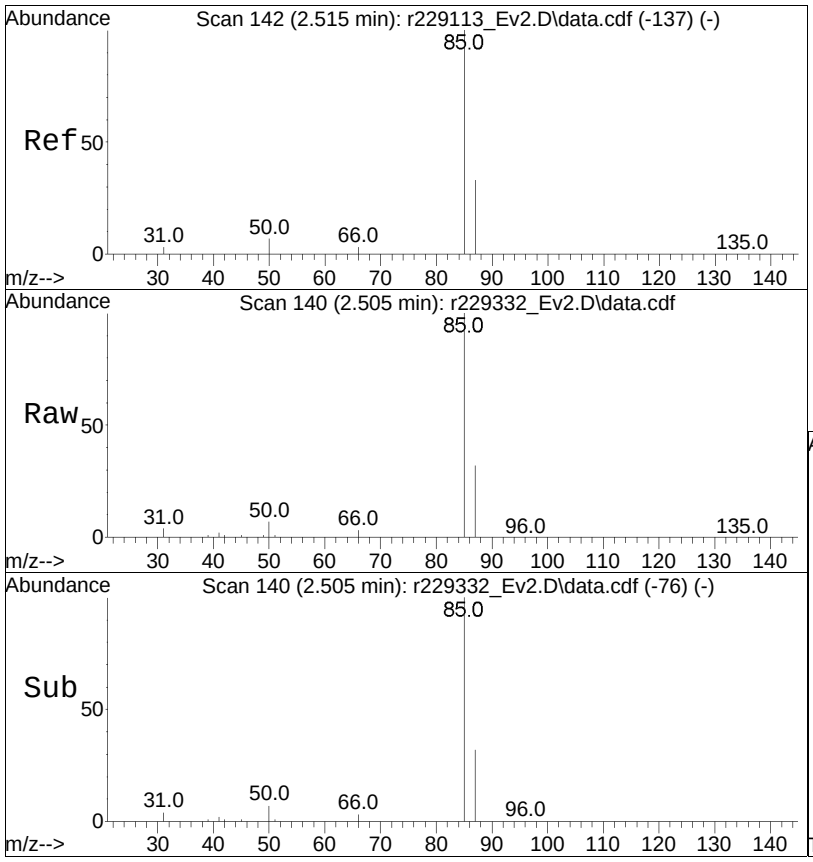
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : NYDEC-SIM - .a\Airlab22\2025\02\0219SIM\r229324_Ev2.D

Data Path : X:\Airlab\Data\Airlab22\2025\02\0219SIM\
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Acq On : 20 Feb 2025 1:33 AM
Operator : AIRLAB22:TPH
Sample : WG2032006-5,3,250,250
Misc : WG2032006,ICAL21971
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Feb 20 07:51:16 2025
Quant Method : X:\Airlab\Data\Airlab22\2025\02\0219SIM\TSIM22_250206.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Feb 11 14:41:00 2025
Response via : Initial Calibration

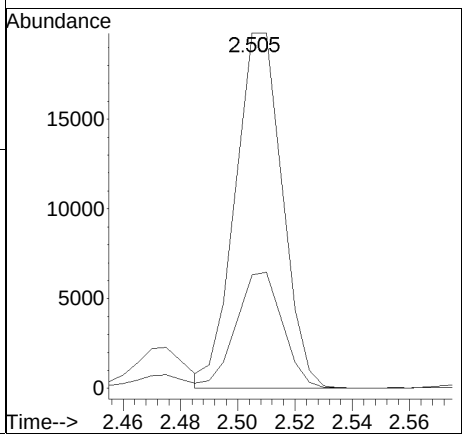


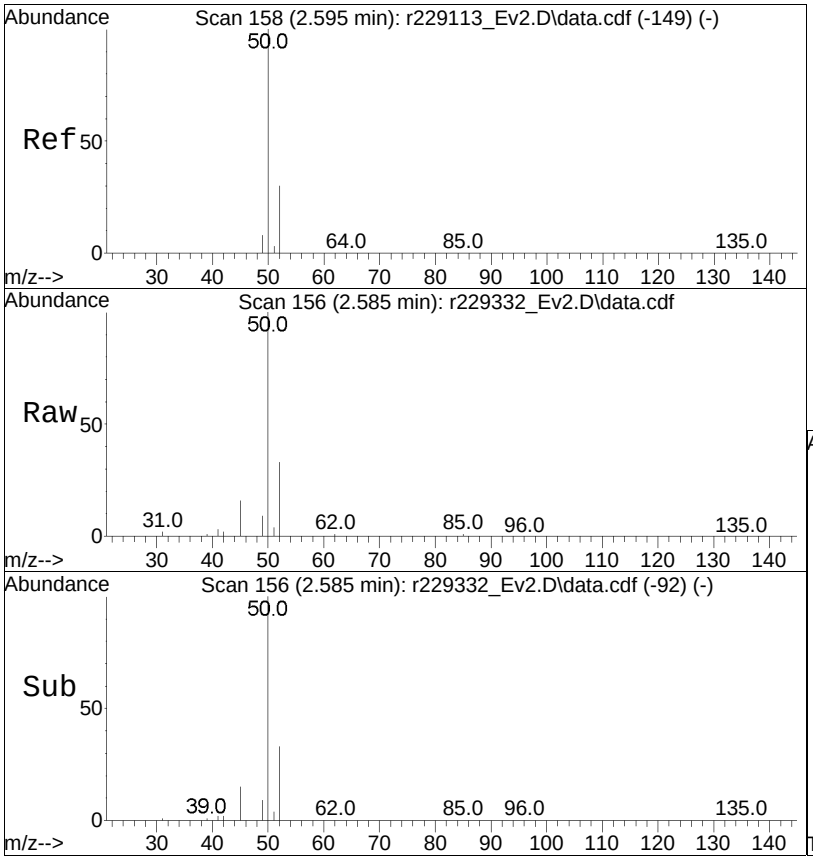


#3
dichlorodifluoromethane
Concen: 0.64 ppbV
RT: 2.505 min Scan# 140
Delta R.T. -0.010 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion: 85 Resp: 22674

Ion	Ratio	Lower	Upper
85	100		
87	31.9	26.2	39.2

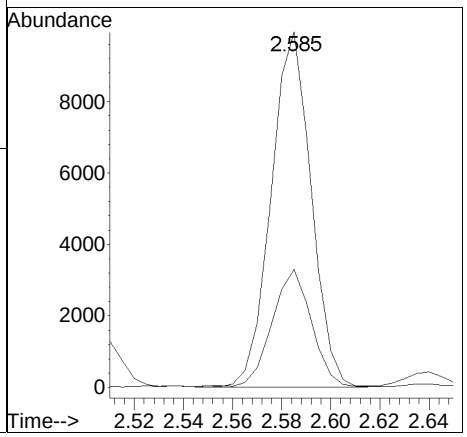


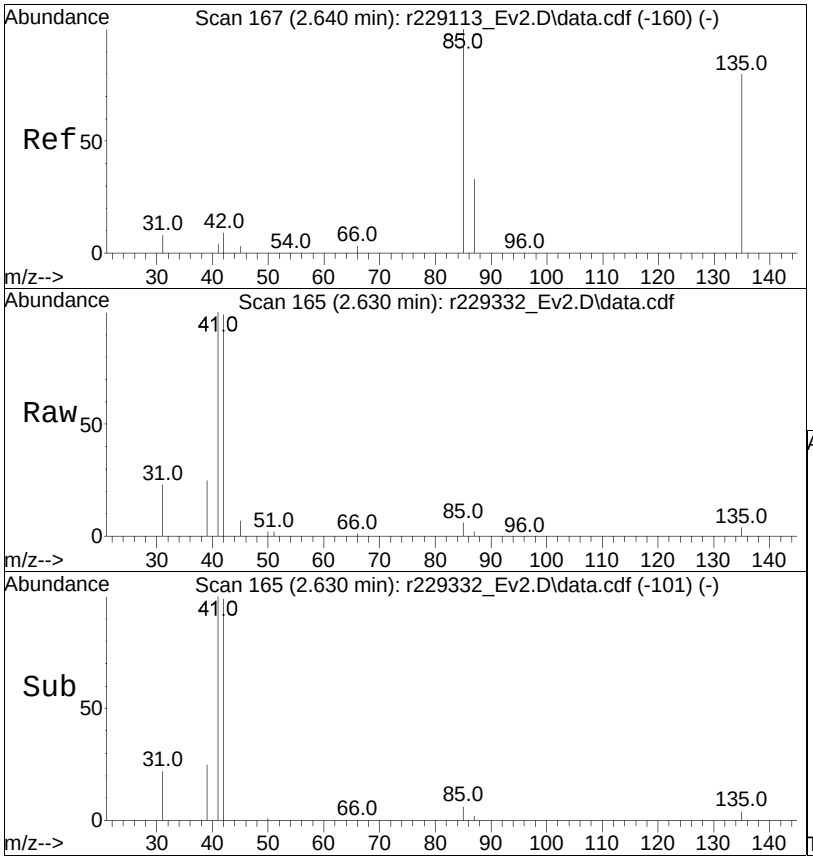


#4
chloromethane
Concen: 0.55 ppbV
RT: 2.585 min Scan# 156
Delta R.T. -0.010 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion: 50 Resp: 11252

Ion	Ratio	Lower	Upper
50	100		
52	33.2	24.3	36.5

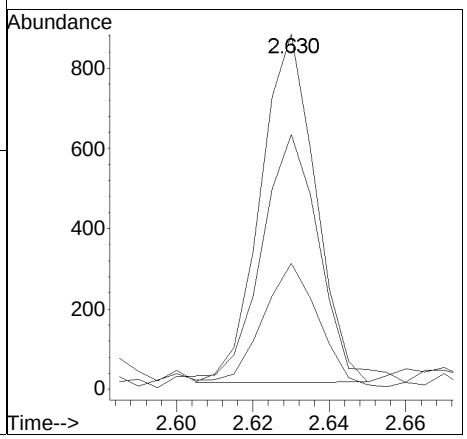


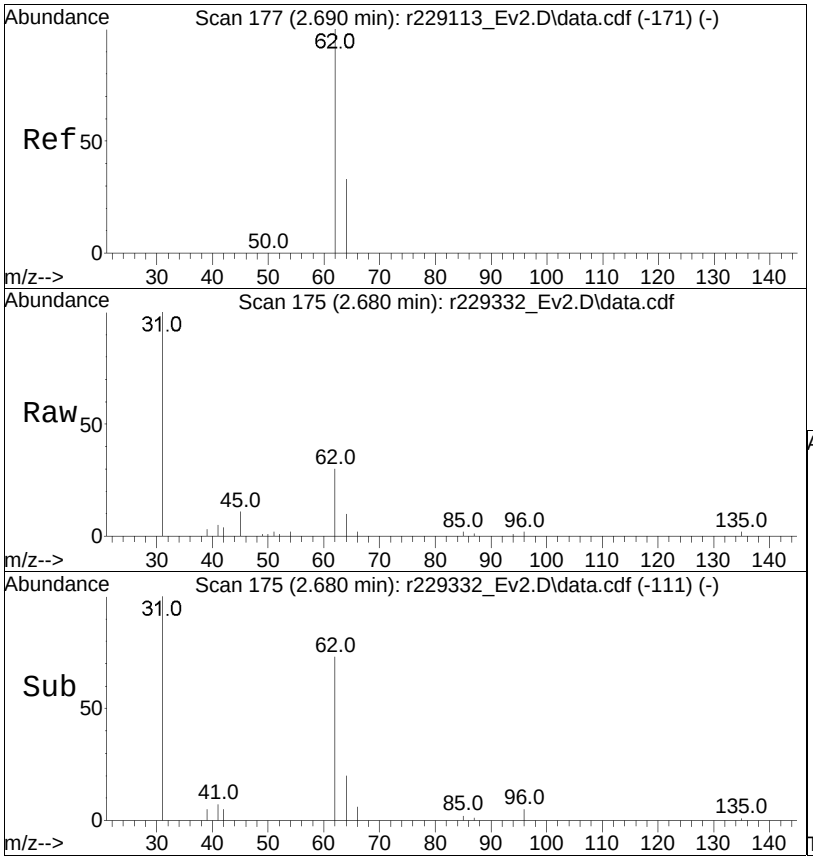


#5
Freon-114
Concen: 0.02 ppbV
RT: 2.630 min Scan# 165
Delta R.T. -0.010 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion: 85 Resp: 863

Ion	Ratio	Lower	Upper
85	100		
87	35.5	26.0	39.0
135	71.8	64.2	96.2

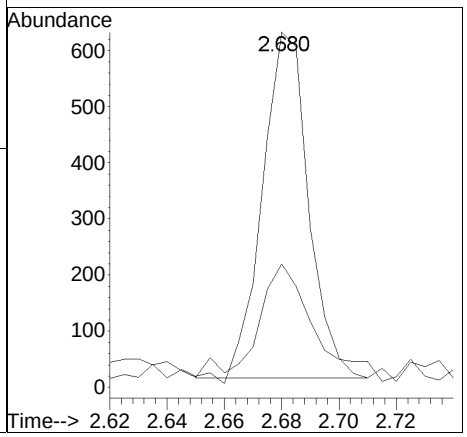


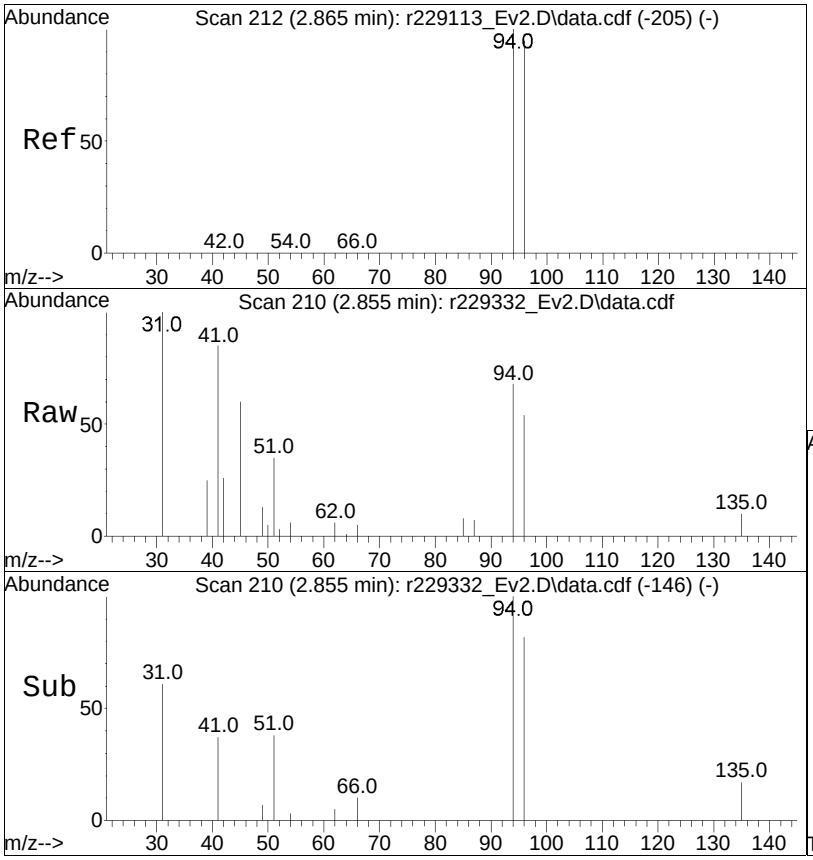


#6
vinyl chloride
Concen: 0.03 ppbV
RT: 2.680 min Scan# 175
Delta R.T. -0.010 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion: 62 Resp: 686

Ion	Ratio	Lower	Upper
62	100		
64	34.8	26.0	39.0

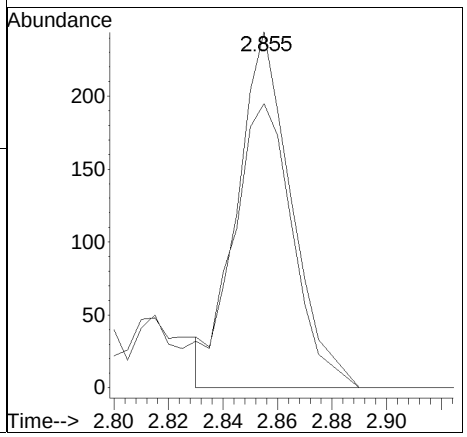


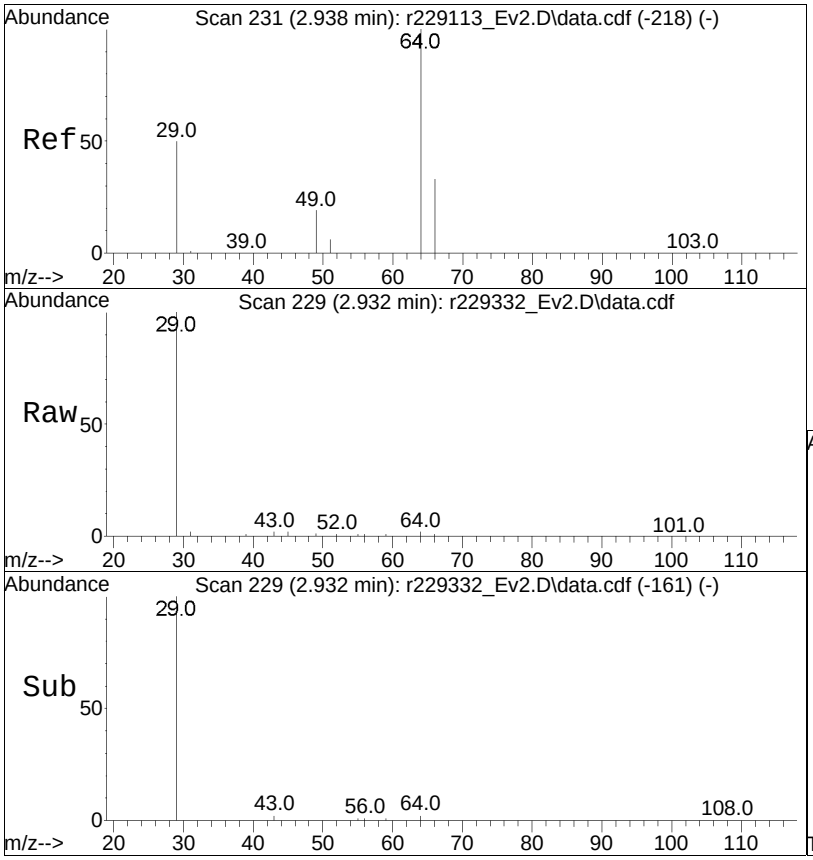


#8
bromomethane
Concen: 0.02 ppbV
RT: 2.855 min Scan# 210
Delta R.T. -0.010 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion: 94 Resp: 375

Ion	Ratio	Lower	Upper
94	100		
96	79.9	76.2	114.4

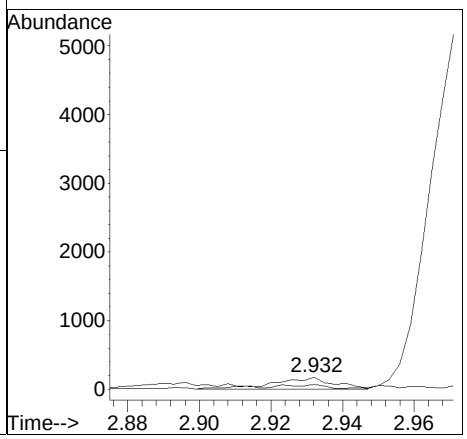


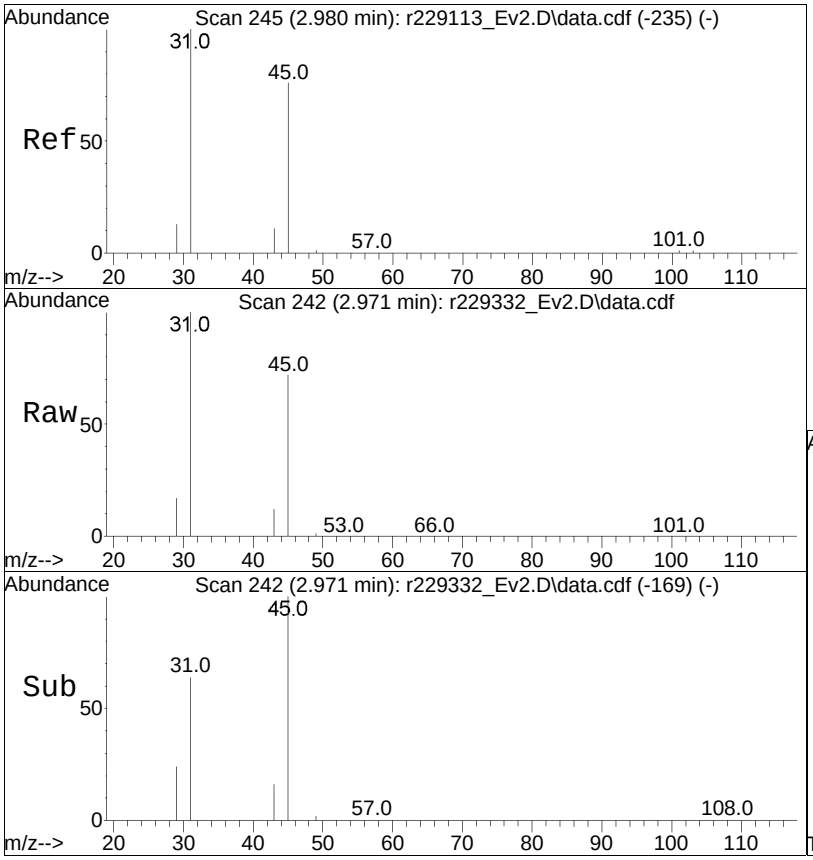


#9
chloroethane
Concen: 0.02 ppbV
RT: 2.932 min Scan# 229
Delta R.T. -0.006 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion: 64 Resp: 196

Ion	Ratio	Lower	Upper
64	100		
49	40.8	15.0	22.4#

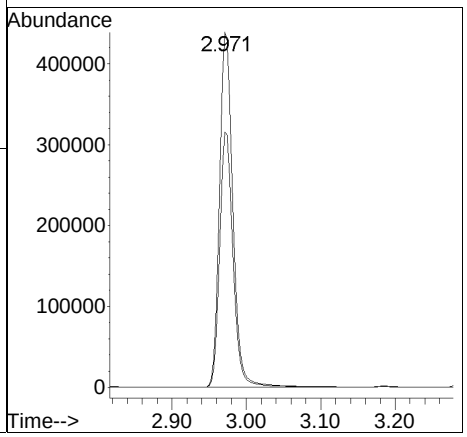


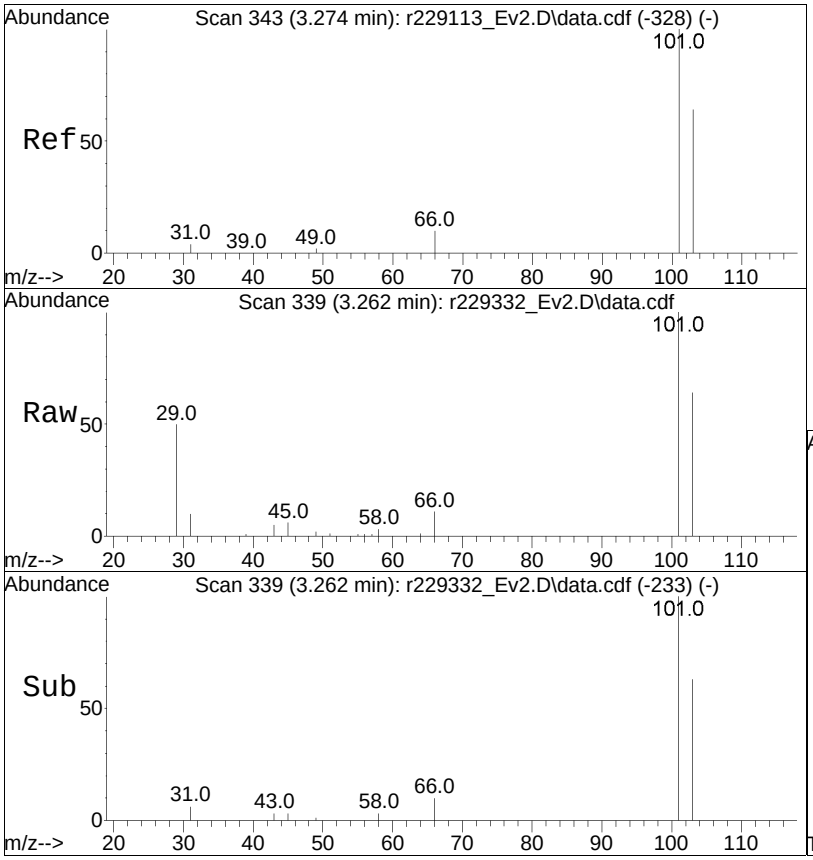


#10
ethanol
Concen: 43.84 ppbV
RT: 2.971 min Scan# 242
Delta R.T. -0.009 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion: 31 Resp: 552853

Ion	Ratio	Lower	Upper
31	100		
45	71.9	60.7	91.1

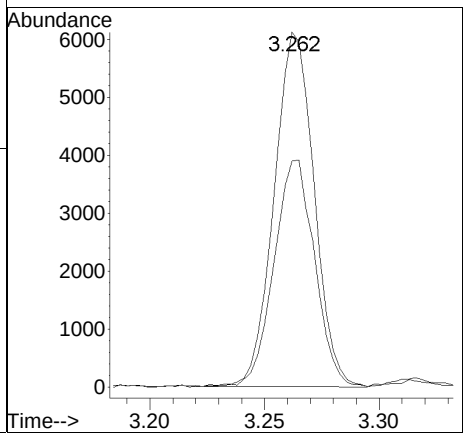


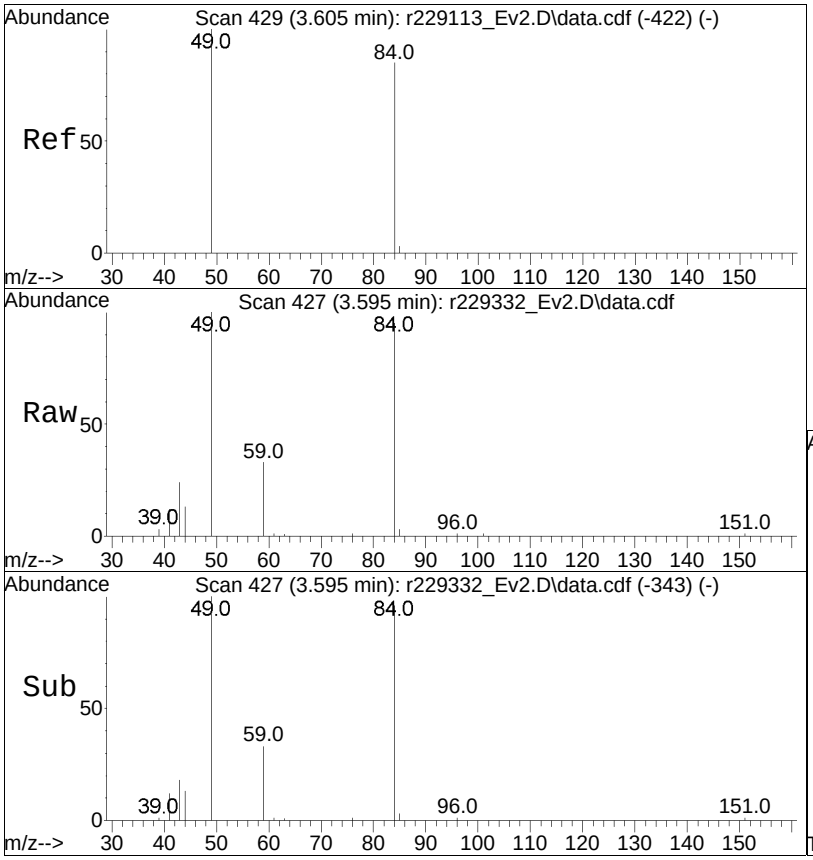


#14
trichlorofluoromethane
Concen: 0.31 ppbV
RT: 3.262 min Scan# 339
Delta R.T. -0.012 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion:101 Resp: 7416

Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.5	77.3

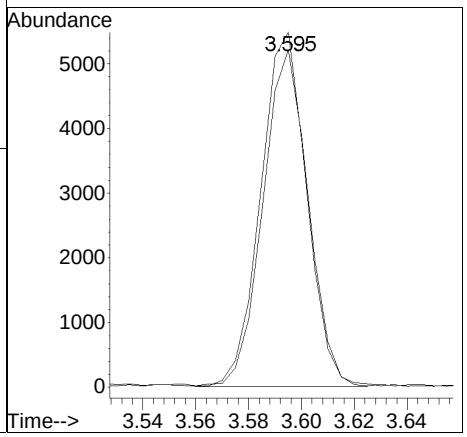


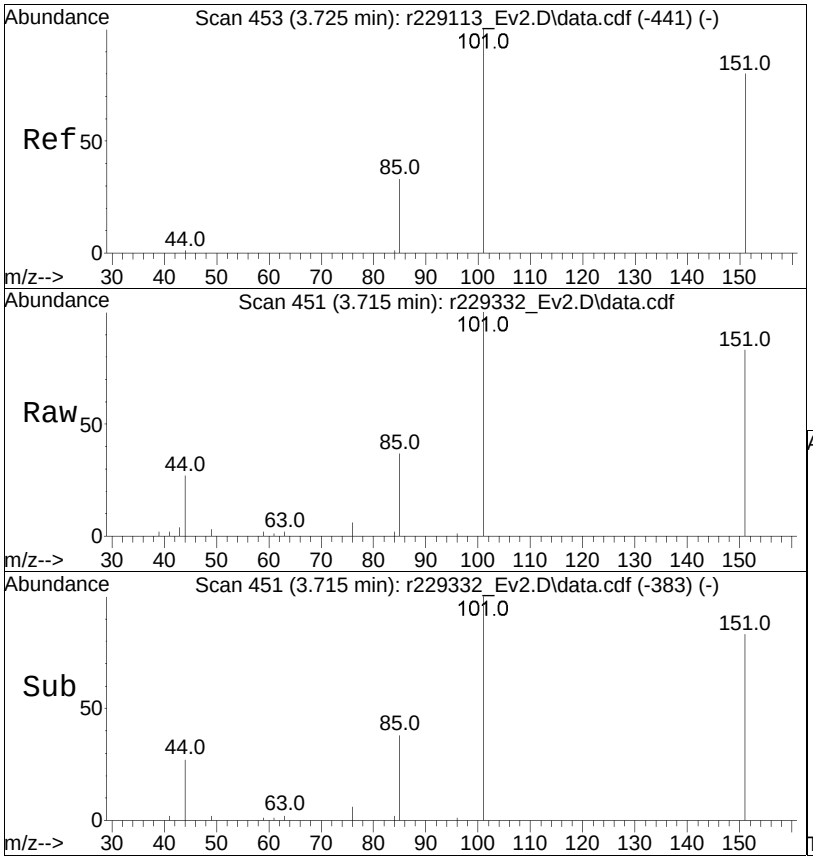


#19
methylene chloride
Concen: 0.23 ppbV
RT: 3.595 min Scan# 427
Delta R.T. -0.010 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion: 49 Resp: 6587

Ion	Ratio	Lower	Upper
49	100		
84	95.0	67.6	101.4

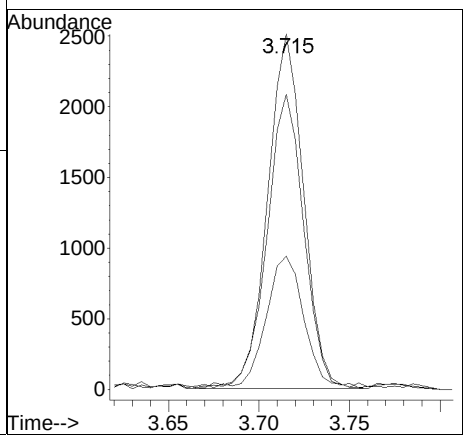


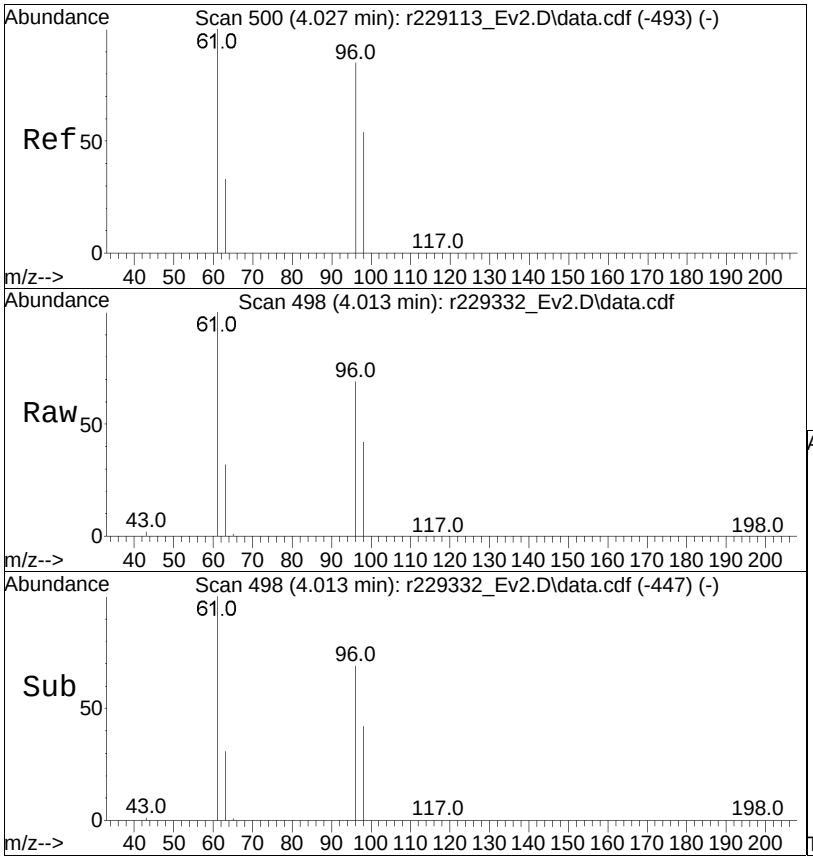


#22
Freon 113
Concen: 0.07 ppbV
RT: 3.715 min Scan# 451
Delta R.T. -0.010 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion:101 Resp: 3482

Ion	Ratio	Lower	Upper
101	100		
85	37.5	26.1	39.1
151	83.1	64.0	96.0

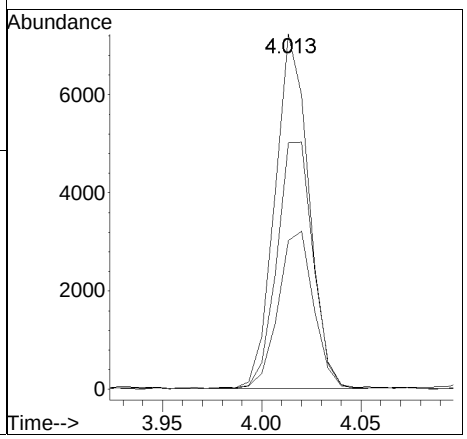


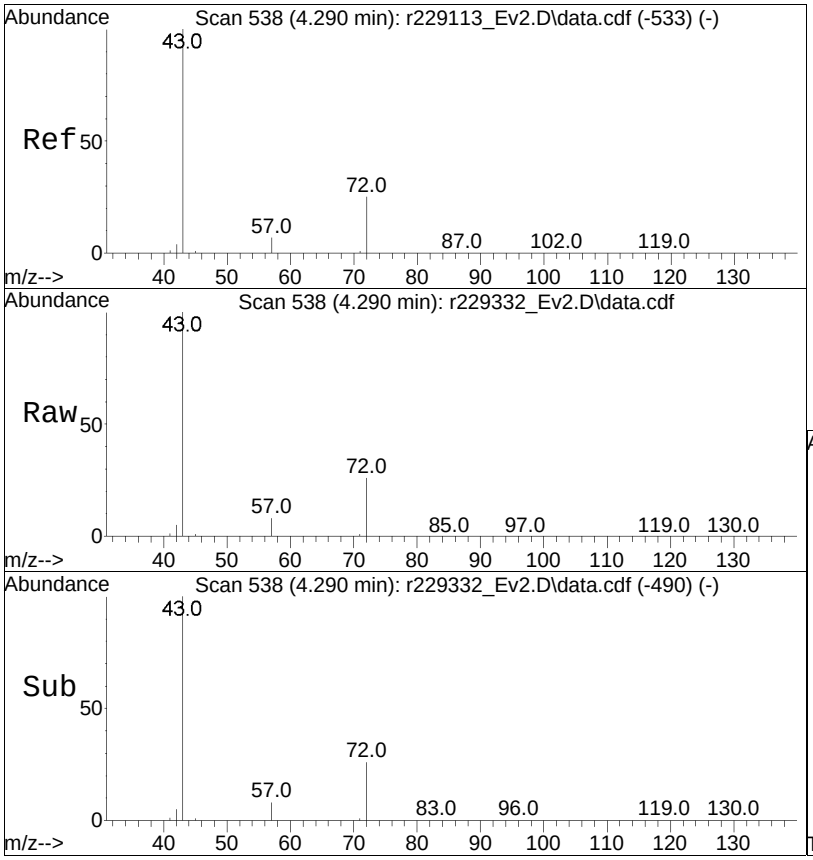


#23
trans-1,2-dichloroethene
Concen: 0.27 ppbV
RT: 4.013 min Scan# 498
Delta R.T. -0.013 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion: 61 Resp: 8604

Ion	Ratio	Lower	Upper
61	100		
96	69.4	68.3	102.5
98	41.9	43.0	64.4#

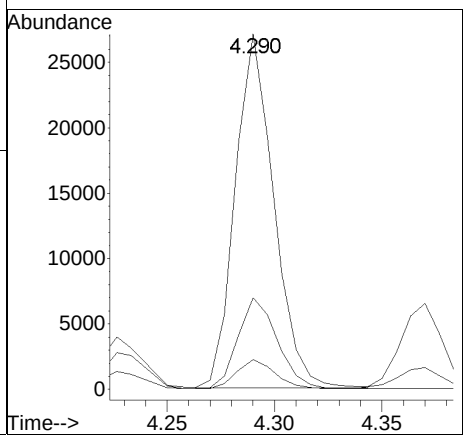


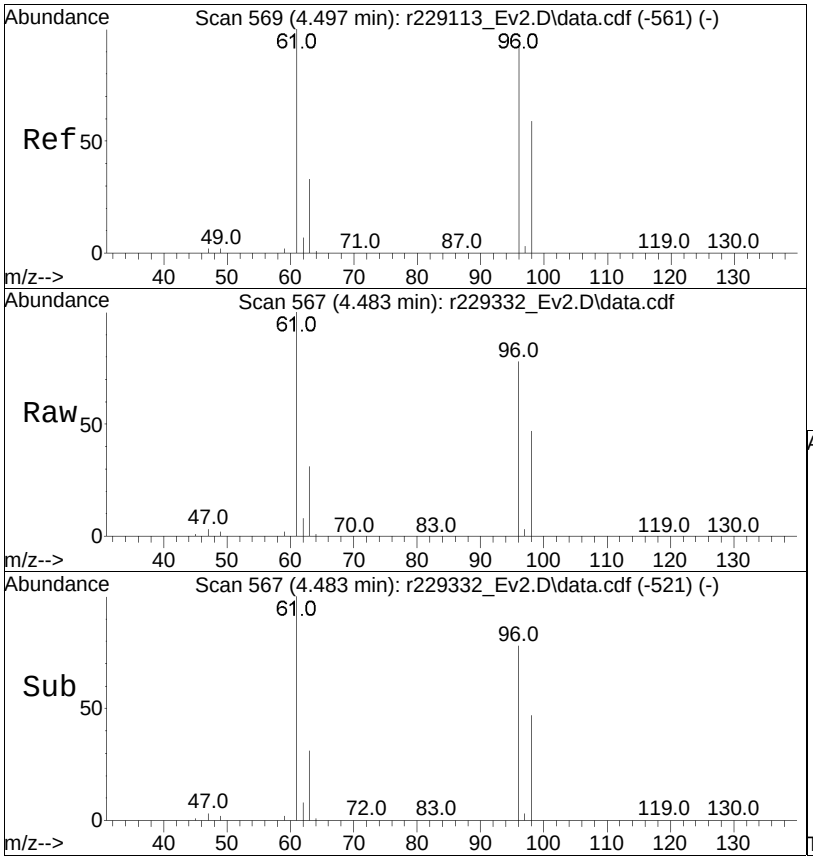


#27
2-butanone
Concen: 0.59 ppbV
RT: 4.290 min Scan# 538
Delta R.T. 0.000 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion: 43 Resp: 33902

Ion	Ratio	Lower	Upper
43	100		
72	25.8	20.2	30.4
57	8.4	5.4	8.0#

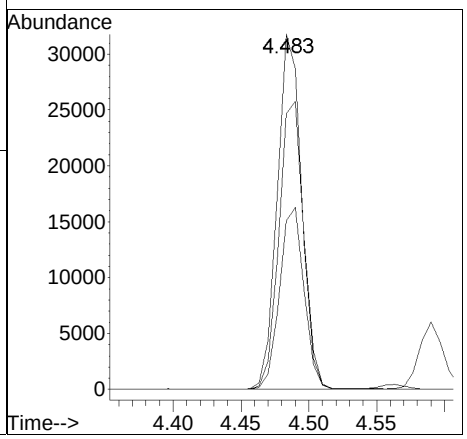


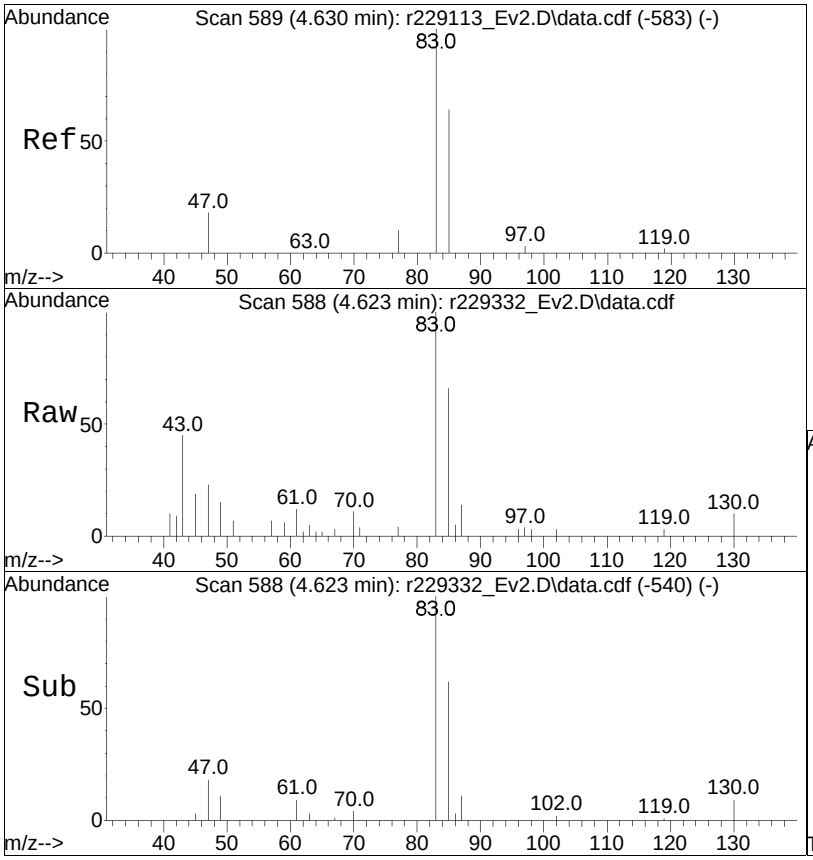


#28
cis-1,2-dichloroethene
Concen: 1.17 ppbV
RT: 4.483 min Scan# 567
Delta R.T. -0.013 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion: 61 Resp: 39580

Ion	Ratio	Lower	Upper
61	100		
96	77.6	75.9	113.9
98	47.4	47.6	71.4#

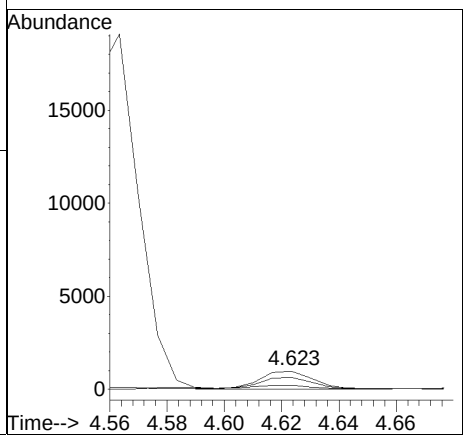


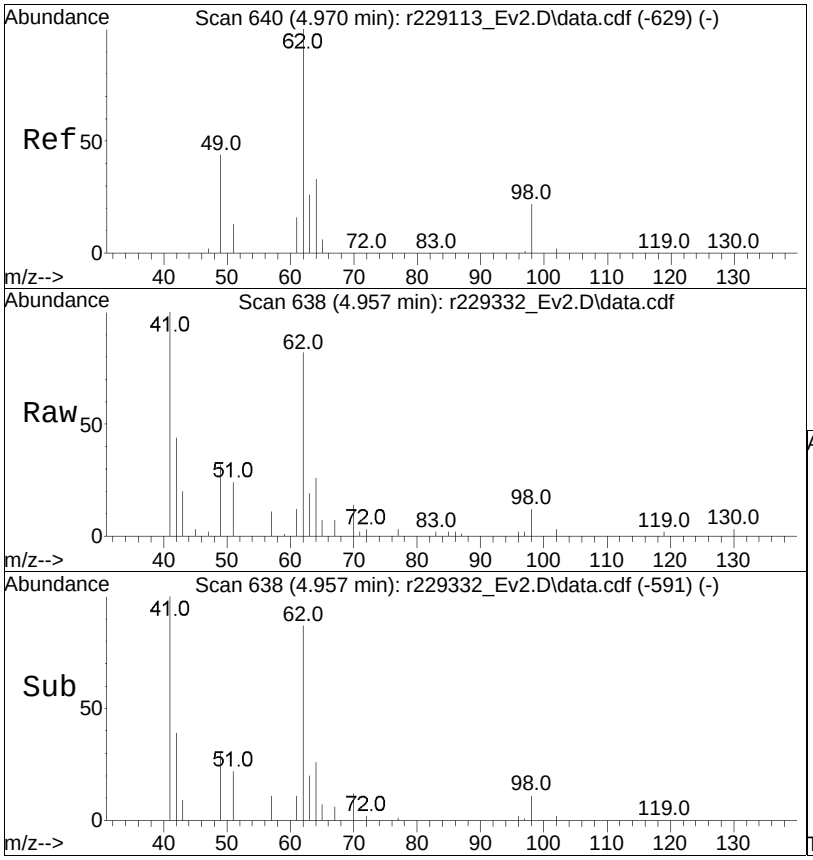


#30
chloroform
Concen: 0.03 ppbV
RT: 4.623 min Scan# 588
Delta R.T. -0.007 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion: 83 Resp: 1259

Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.8	77.6
47	23.3	16.1	24.1

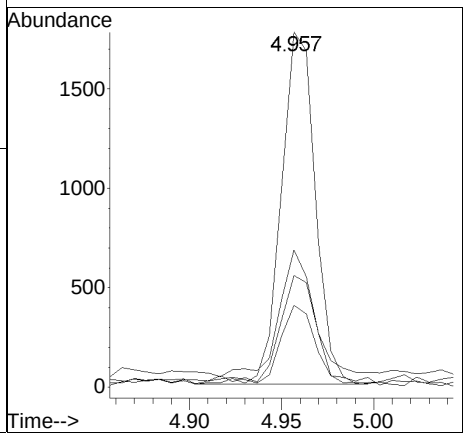


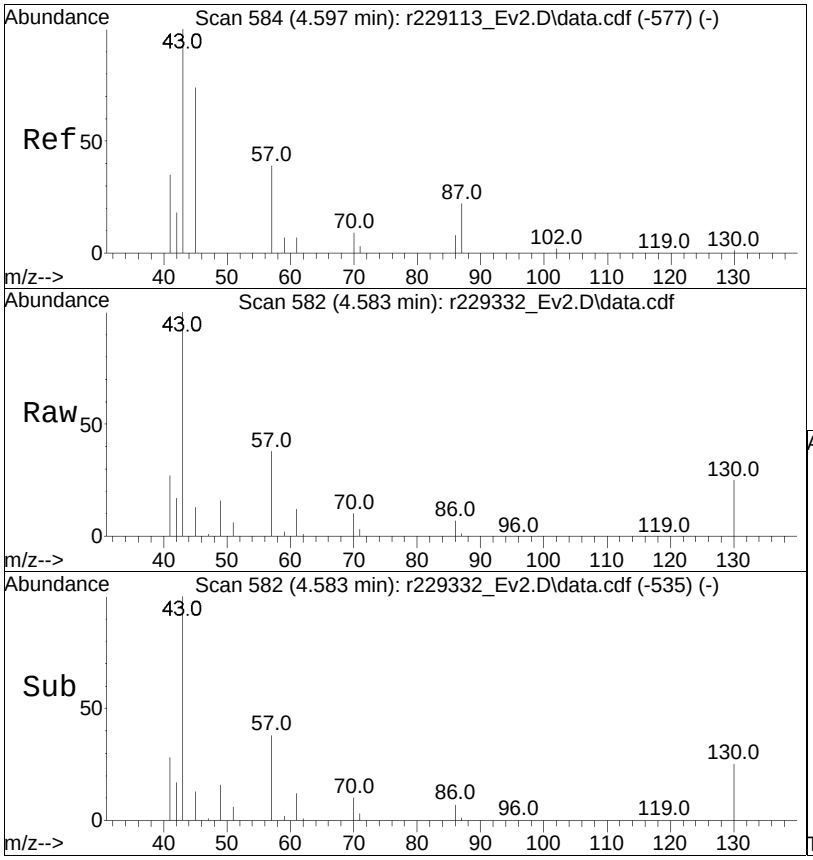


#32
1,2-dichloroethane
Concen: 0.11 ppbV
RT: 4.957 min Scan# 638
Delta R.T. -0.013 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion: 62 Resp: 2279

Ion	Ratio	Lower	Upper
62	100		
64	31.5	26.8	40.2
49	38.7	35.7	53.5
63	23.1	21.0	31.6

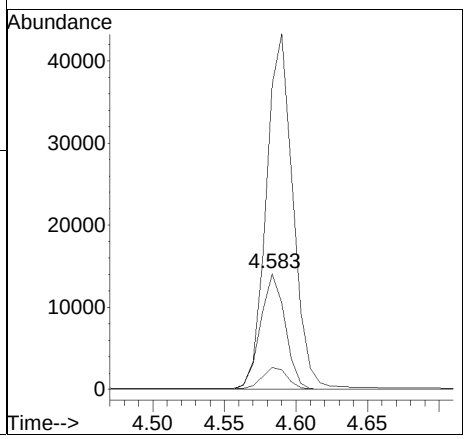


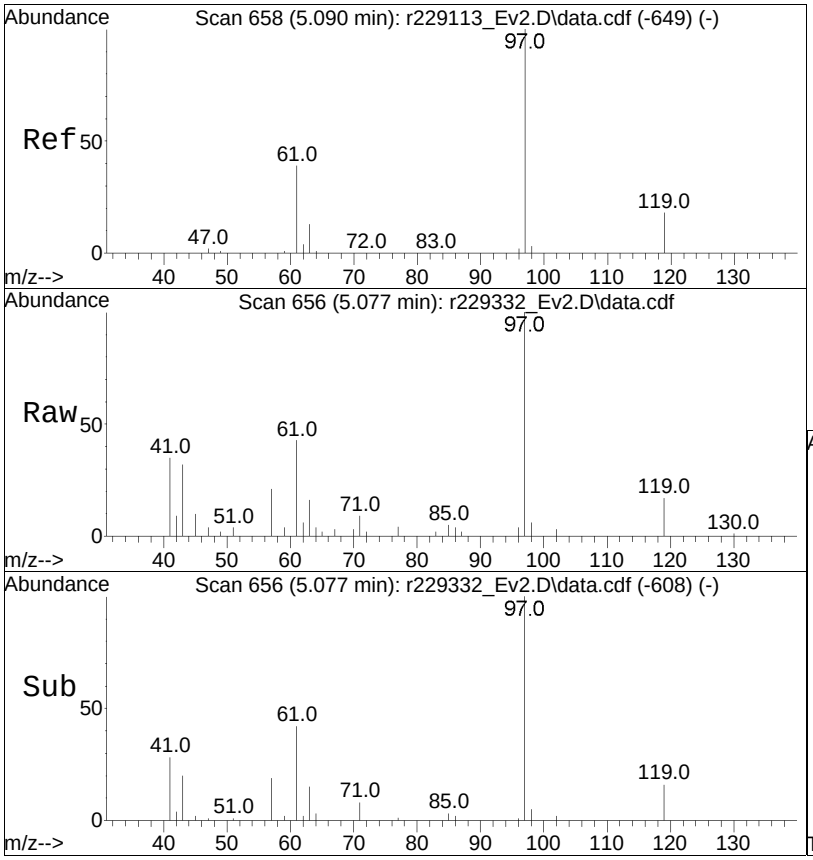


#34
hexane
Concen: 0.45 ppbV
RT: 4.583 min Scan# 582
Delta R.T. -0.013 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion: 57 Resp: 17019

Ion	Ratio	Lower	Upper
57	100		
43	263.6	207.8	311.8
86	18.9	17.5	26.3

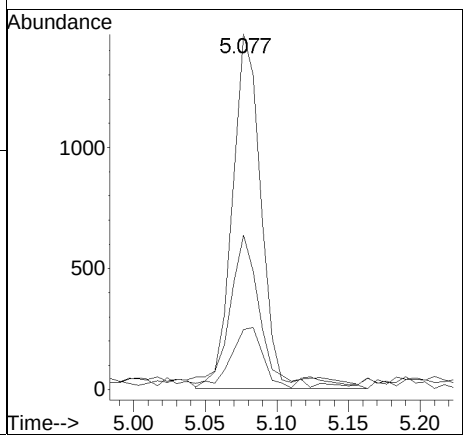


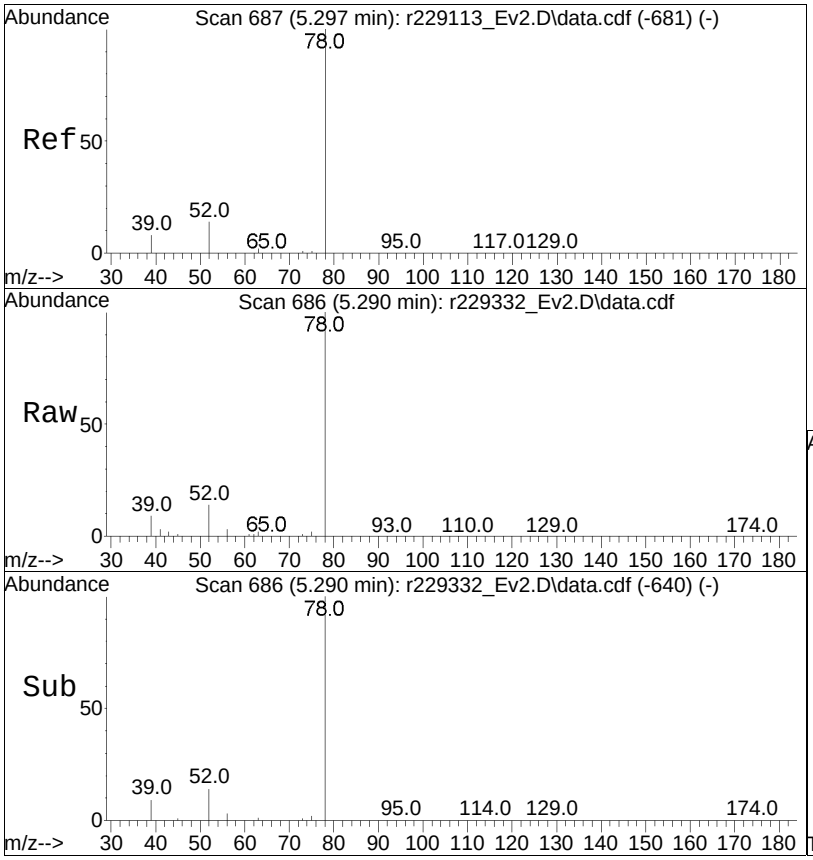


#36
1,1,1-trichloroethane
Concen: 0.07 ppbV
RT: 5.077 min Scan# 656
Delta R.T. -0.013 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion: 97 Resp: 2296

Ion	Ratio	Lower	Upper
97	100		
61	43.4	31.5	47.3
119	16.9	14.2	21.4

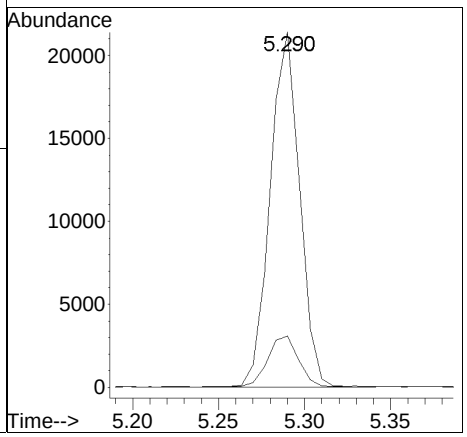


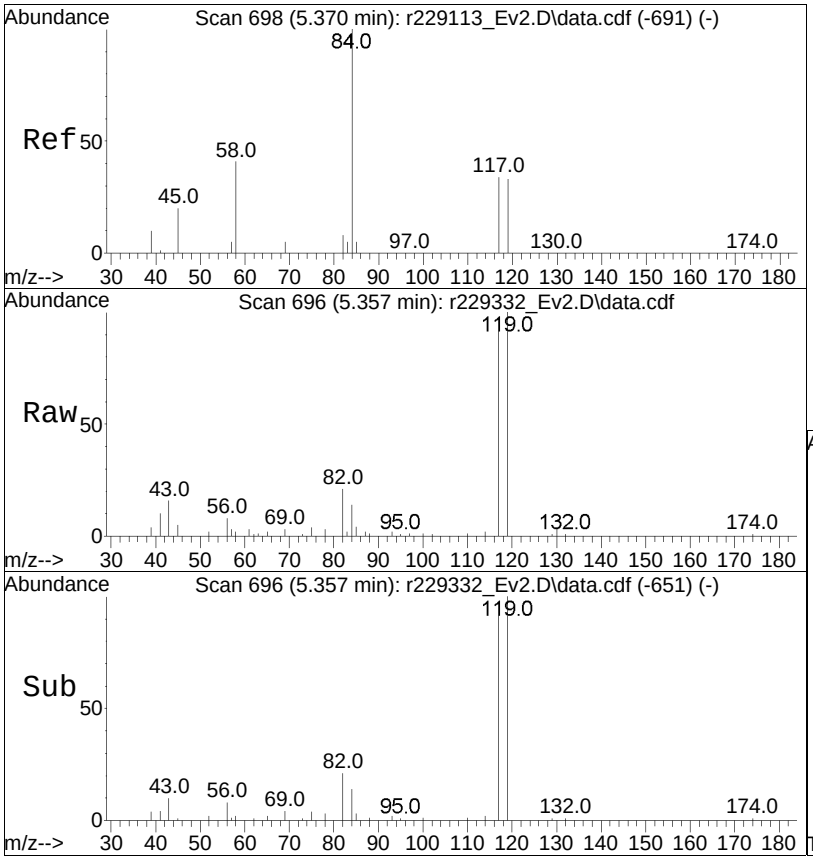


#37
benzene
Concen: 0.28 ppbV
RT: 5.290 min Scan# 686
Delta R.T. -0.007 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion: 78 Resp: 25508

Ion	Ratio	Lower	Upper
78	100		
52	14.4	11.3	16.9

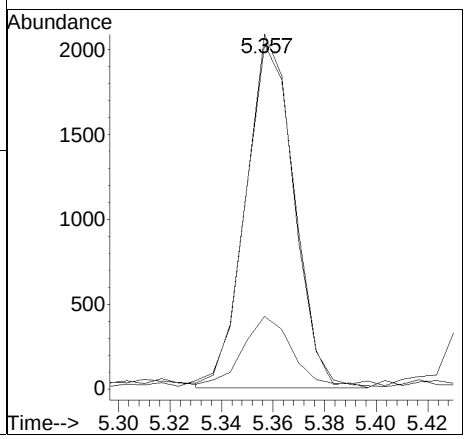


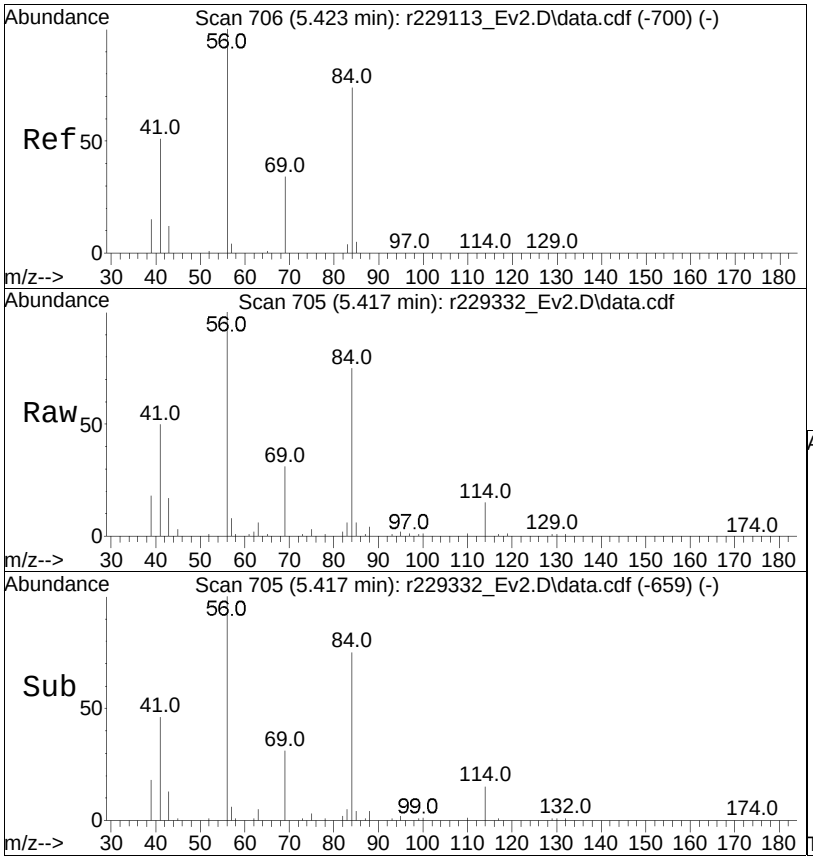


#38
carbon tetrachloride
Concen: 0.10 ppbV
RT: 5.357 min Scan# 696
Delta R.T. -0.013 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion:117 Resp: 2660

Ion	Ratio	Lower	Upper
117	100		
119	103.1	77.7	116.5
82	21.2	19.5	29.3

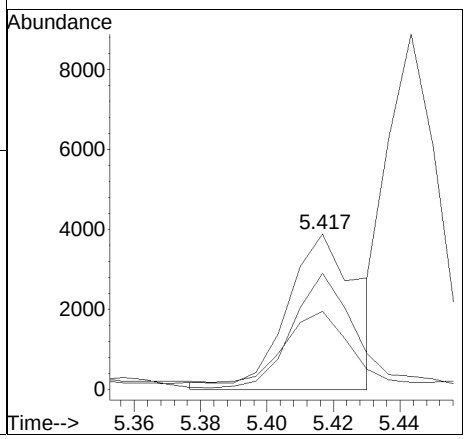


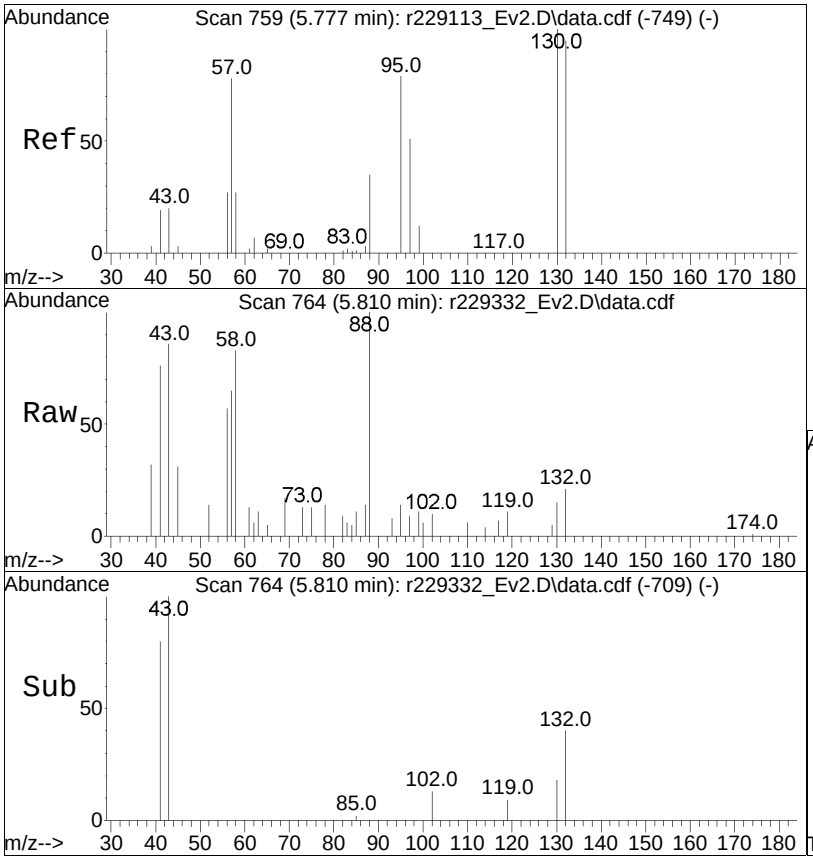


#39
cyclohexane
Concen: 0.13 ppbV m
RT: 5.417 min Scan# 705
Delta R.T. -0.007 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion: 56 Resp: 5845

Ion	Ratio	Lower	Upper
56	100		
84	74.7	64.6	96.8
41	50.3	41.3	61.9

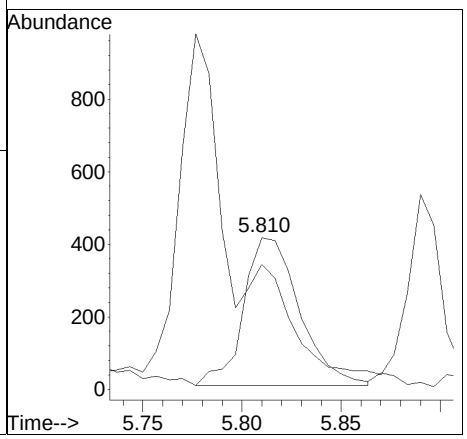


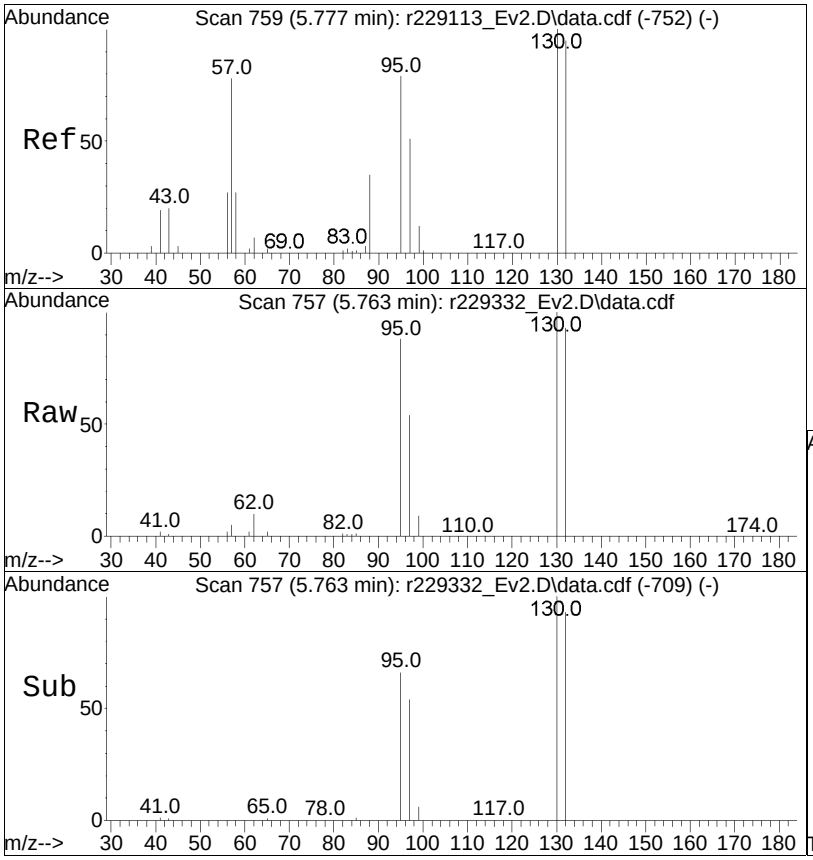


#43
1,4-dioxane
Concen: 0.04 ppbV
RT: 5.810 min Scan# 764
Delta R.T. 0.033 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion: 88 Resp: 802

Ion	Ratio	Lower	Upper
88	100		
58	82.5	63.0	94.6

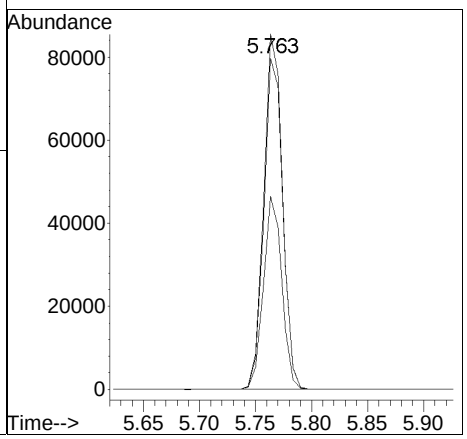


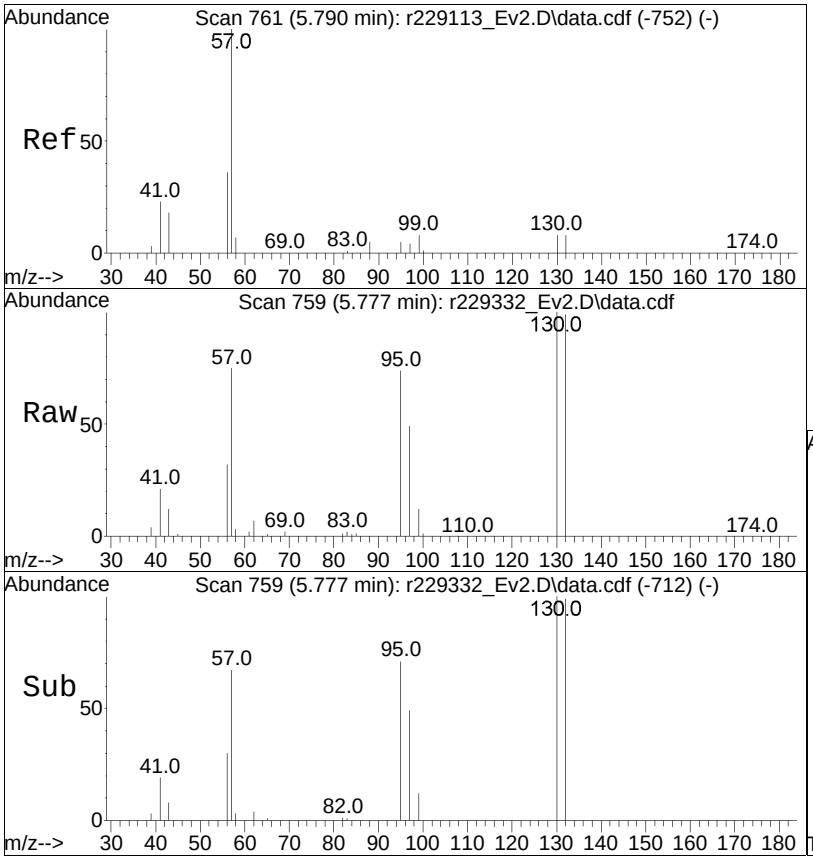


#44
trichloroethene
Concen: 2.34 ppbV
RT: 5.763 min Scan# 757
Delta R.T. -0.013 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion:130 Resp: 99062

Ion	Ratio	Lower	Upper
130	100		
132	93.2	76.1	114.1
97	54.3	40.7	61.1

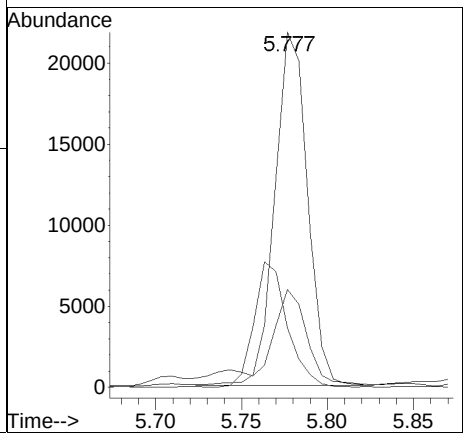


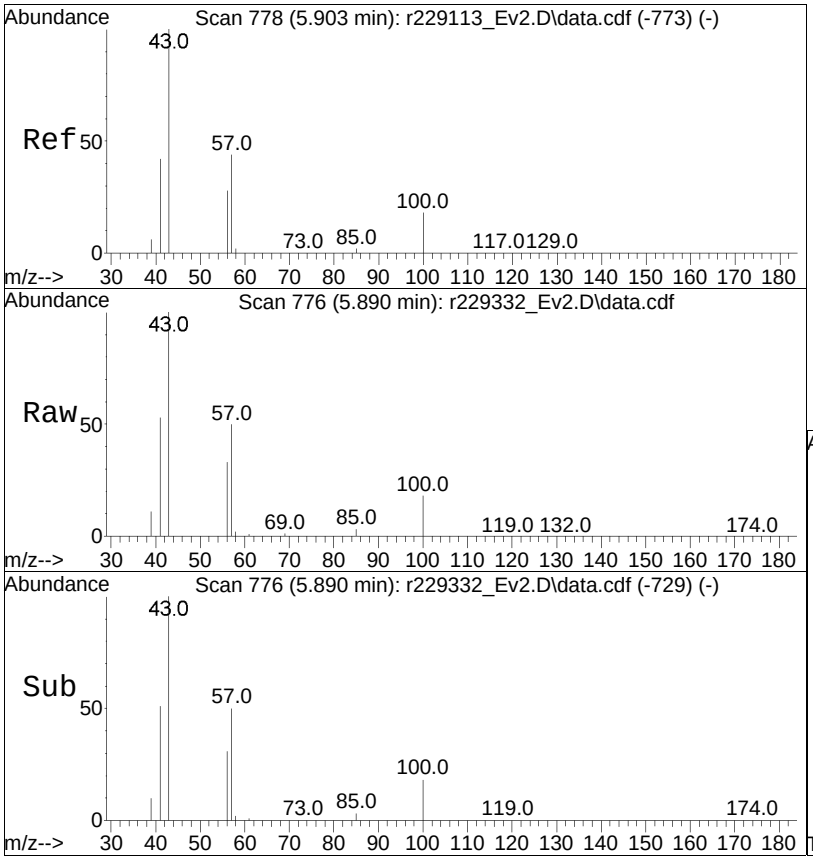


#45
2,2,4-trimethylpentane
Concen: 0.24 ppbV
RT: 5.777 min Scan# 759
Delta R.T. -0.013 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion: 57 Resp: 28740

Ion	Ratio	Lower	Upper
57	100		
99	16.7	6.0	9.0#
41	27.6	18.6	28.0

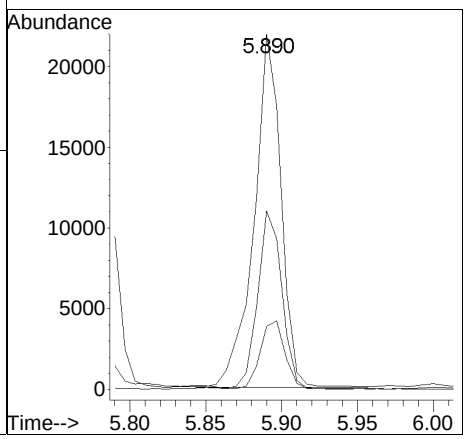


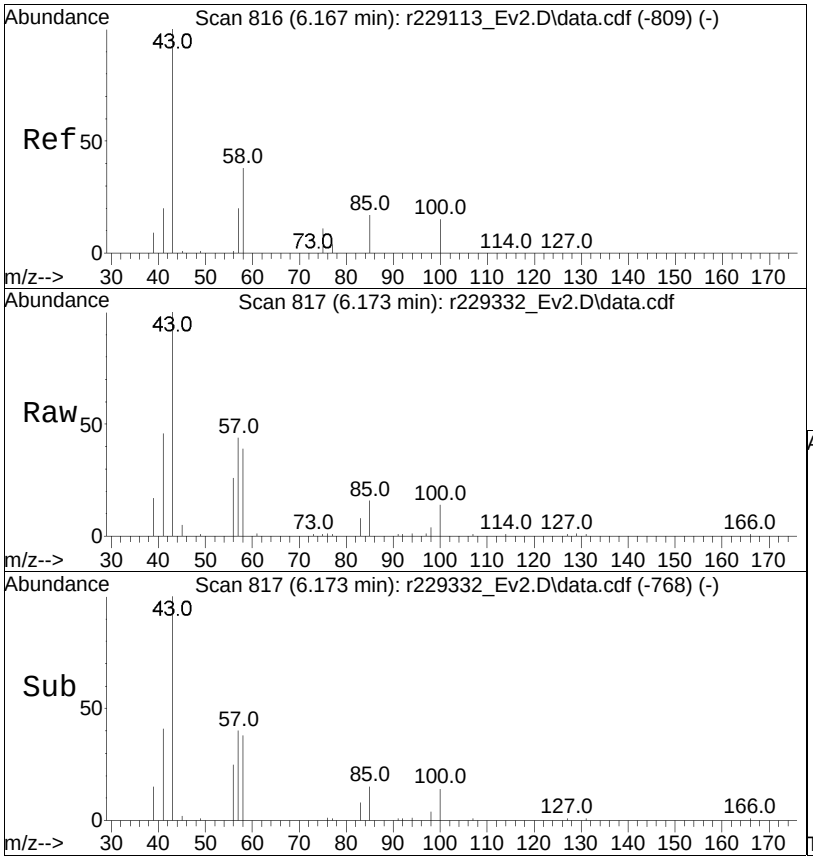


#46
heptane
Concen: 0.50 ppbV
RT: 5.890 min Scan# 776
Delta R.T. -0.013 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion: 43 Resp: 27050

Ion	Ratio	Lower	Upper
43	100		
57	50.2	35.6	53.4
100	17.8	16.6	24.8

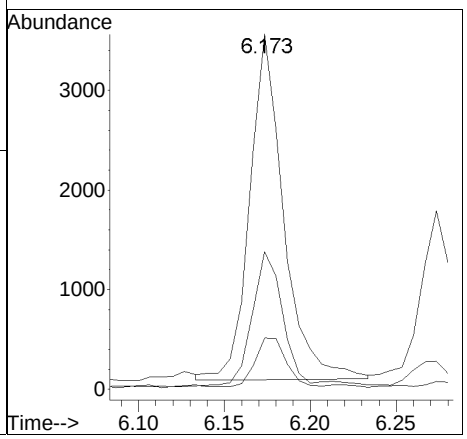


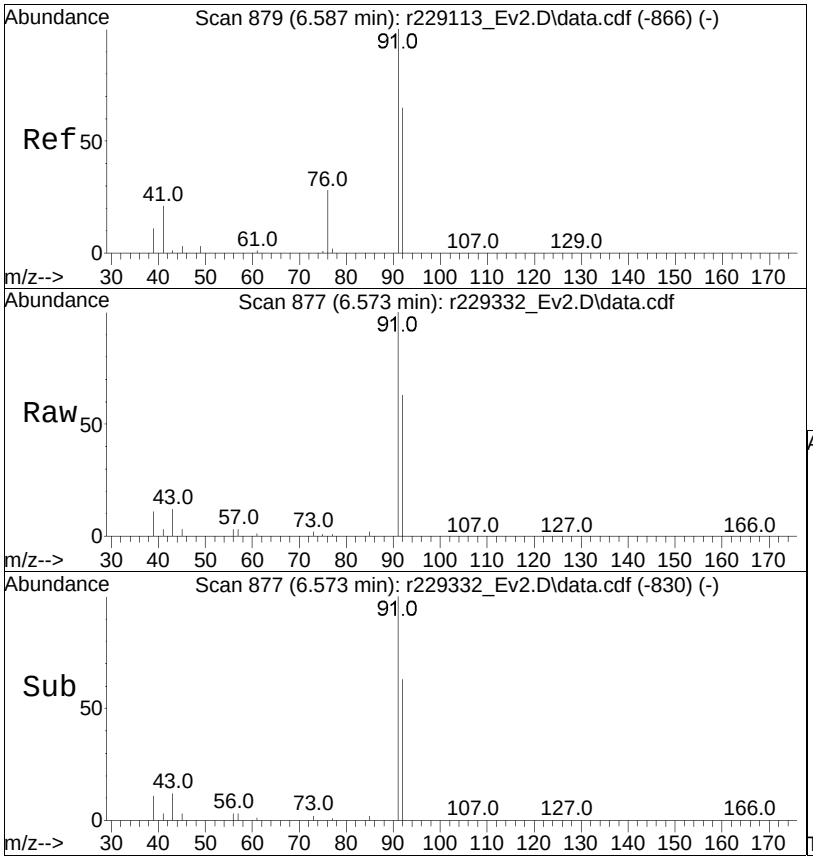


#48
4-methyl-2-pentanone
Concen: 0.08 ppbV
RT: 6.173 min Scan# 817
Delta R.T. 0.007 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion: 43 Resp: 4759

Ion	Ratio	Lower	Upper
43	100		
58	38.7	30.1	45.1
100	14.4	12.2	18.2

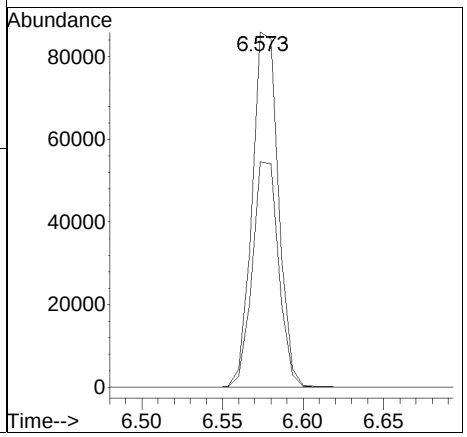


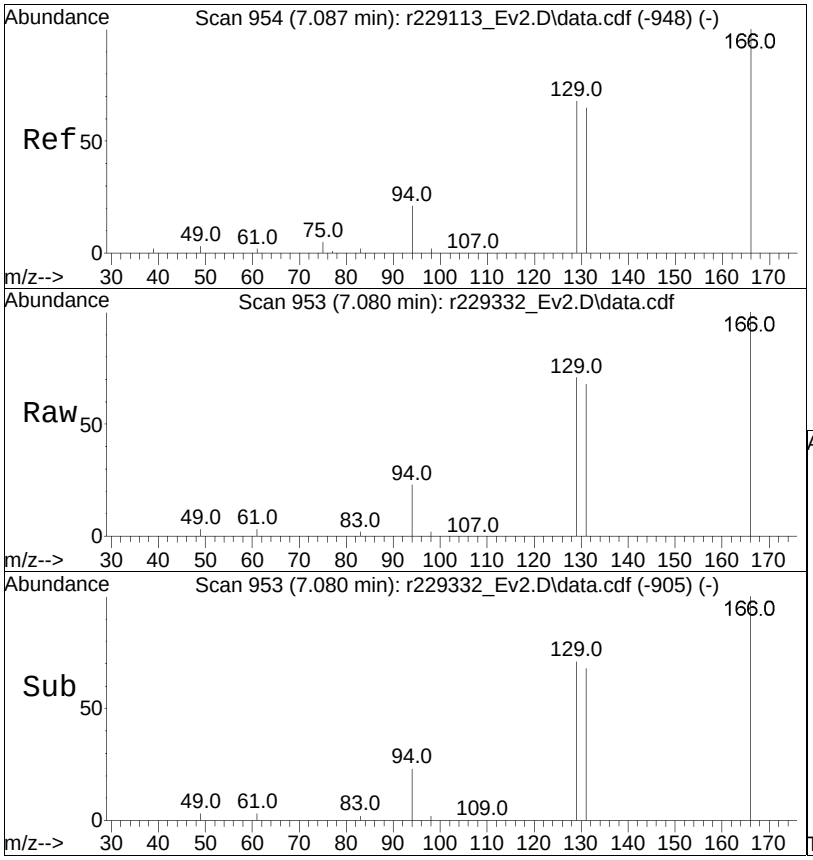


#52
toluene
Concen: 0.71 ppbV
RT: 6.573 min Scan# 877
Delta R.T. -0.013 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion: 91 Resp: 97442

Ion	Ratio	Lower	Upper
91	100		
92	63.4	52.2	78.2

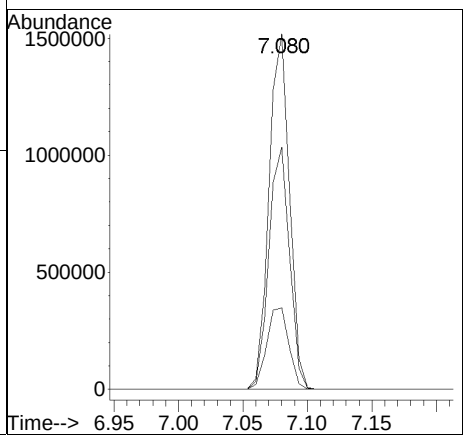


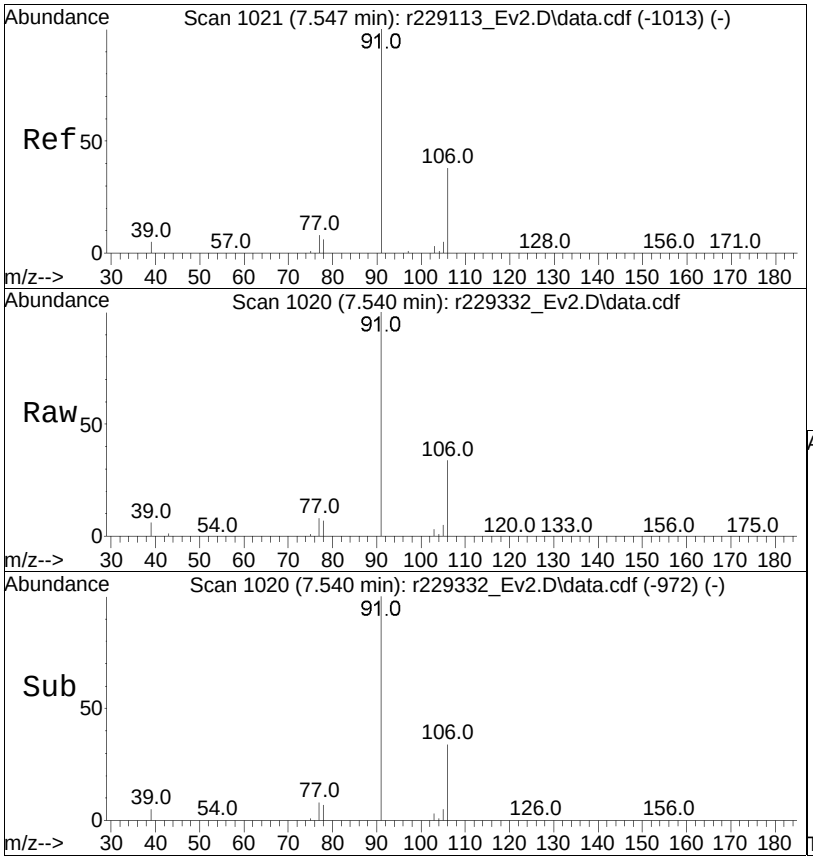


#57
tetrachloroethene
Concen: 25.48 ppbV
RT: 7.080 min Scan# 953
Delta R.T. -0.007 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion:166 Resp: 1674441

Ion	Ratio	Lower	Upper
166	100		
131	68.2	51.9	77.9
94	22.9	16.6	24.8

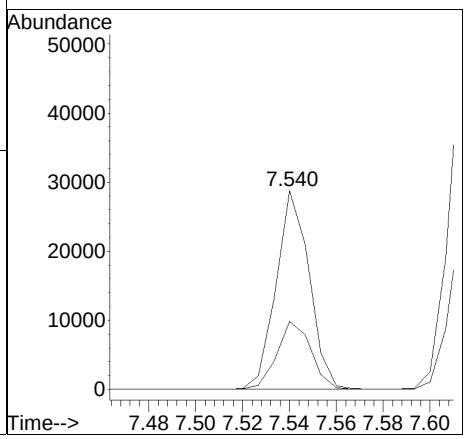


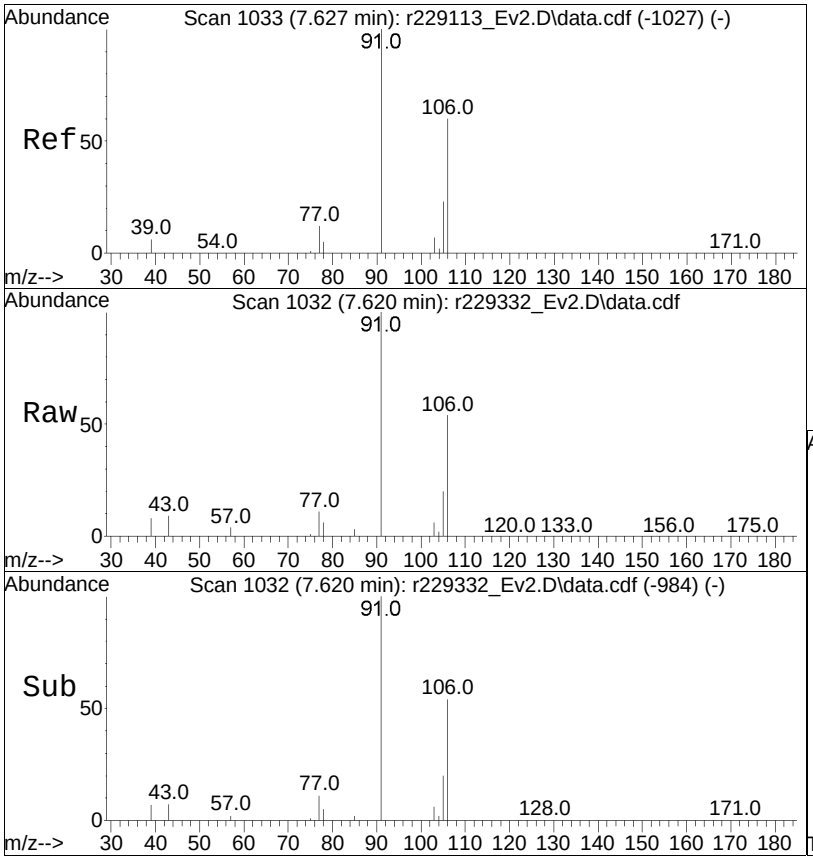


#60
ethylbenzene
Concen: 0.17 ppbV
RT: 7.540 min Scan# 1020
Delta R.T. -0.007 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion: 91 Resp: 28265

Ion	Ratio	Lower	Upper
91	100		
106	34.2	30.4	45.6

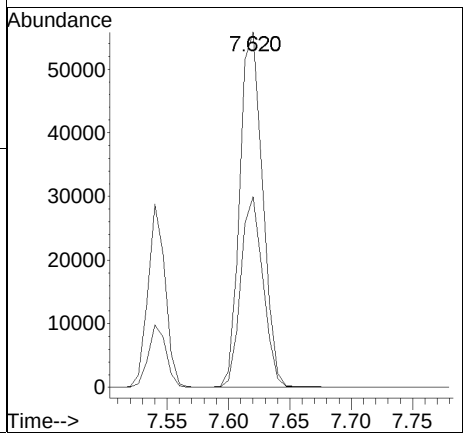


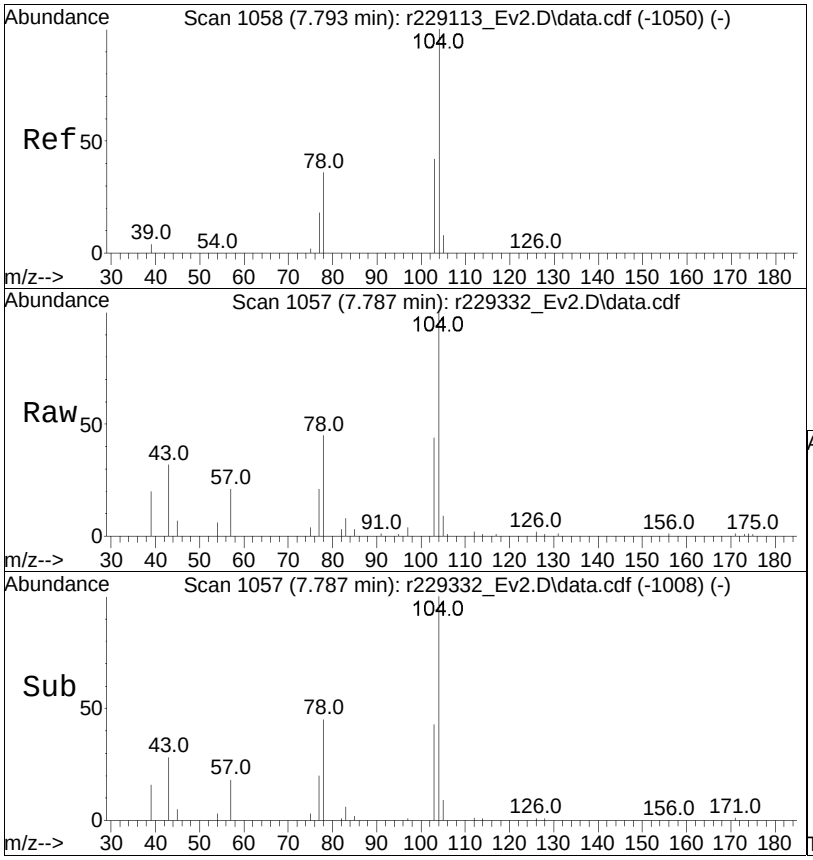


#61
m+p-xylene
Concen: 0.55 ppbV
RT: 7.620 min Scan# 1032
Delta R.T. -0.007 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion: 91 Resp: 72213

Ion	Ratio	Lower	Upper
91	100		
106	53.7	48.2	72.2

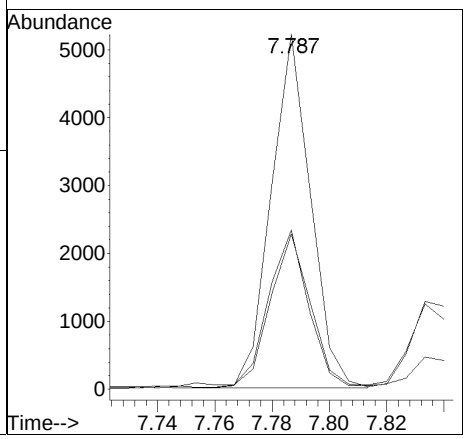


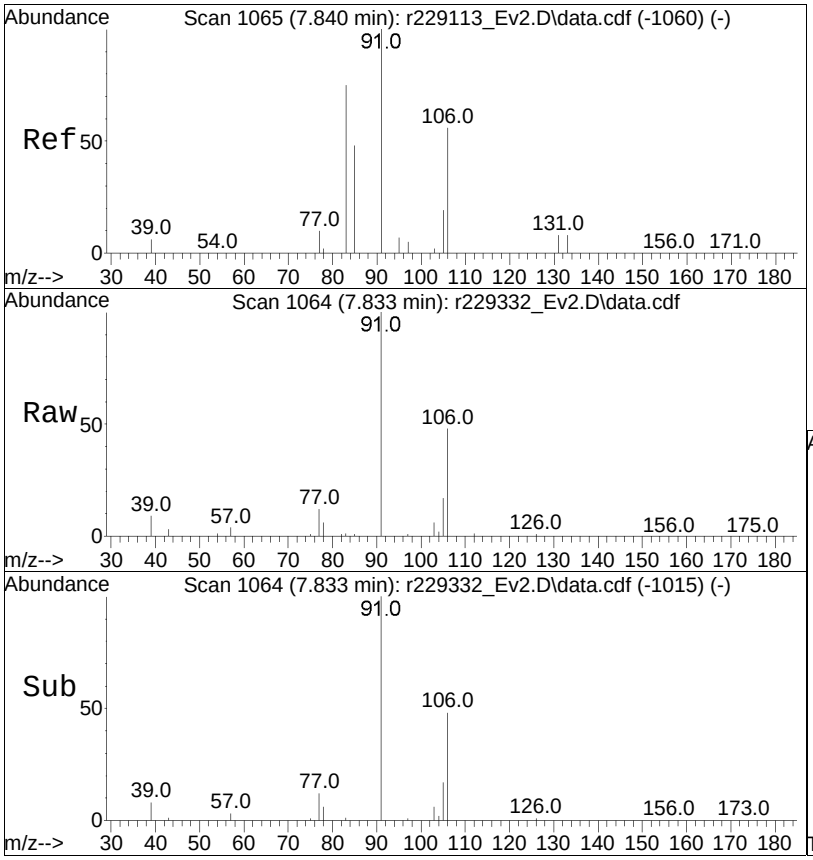


#63
styrene
Concen: 0.04 ppbV
RT: 7.787 min Scan# 1057
Delta R.T. -0.007 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion:104 Resp: 4976

Ion	Ratio	Lower	Upper
104	100		
103	43.7	33.7	50.5
78	44.8	28.9	43.3#

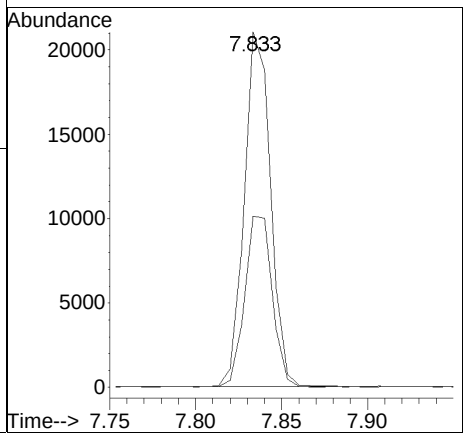


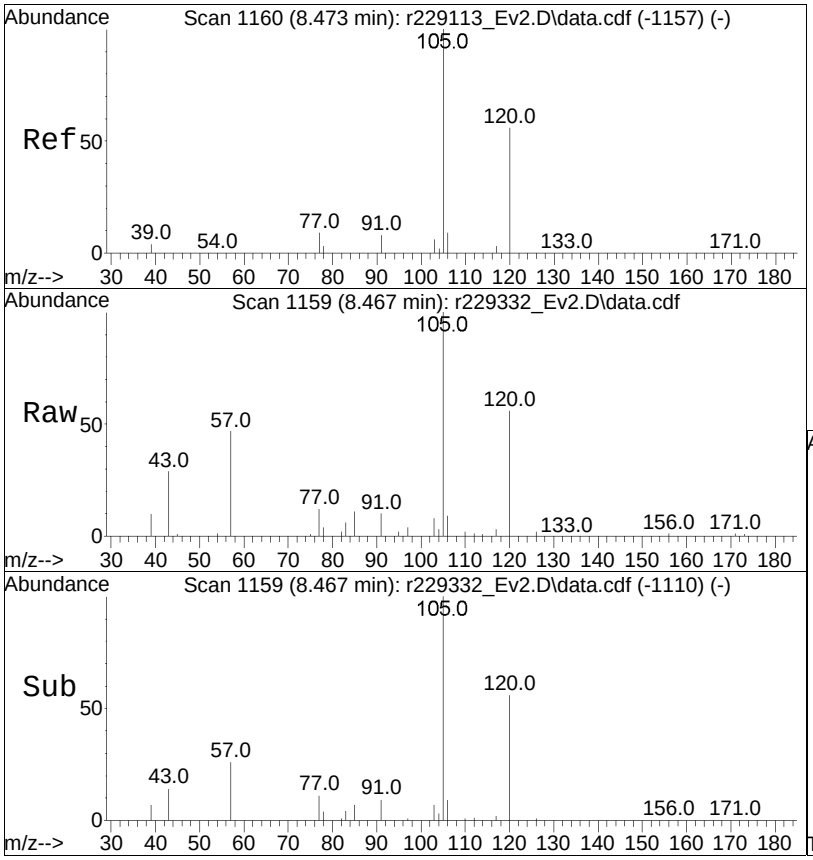


#65
o-xylene
Concen: 0.17 ppbV
RT: 7.833 min Scan# 1064
Delta R.T. -0.007 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion: 91 Resp: 22388

Ion	Ratio	Lower	Upper
91	100		
106	48.2	44.8	67.2

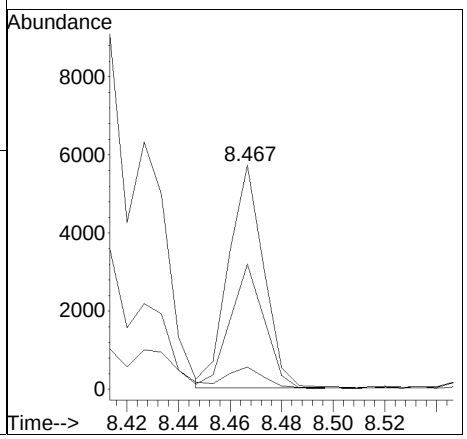


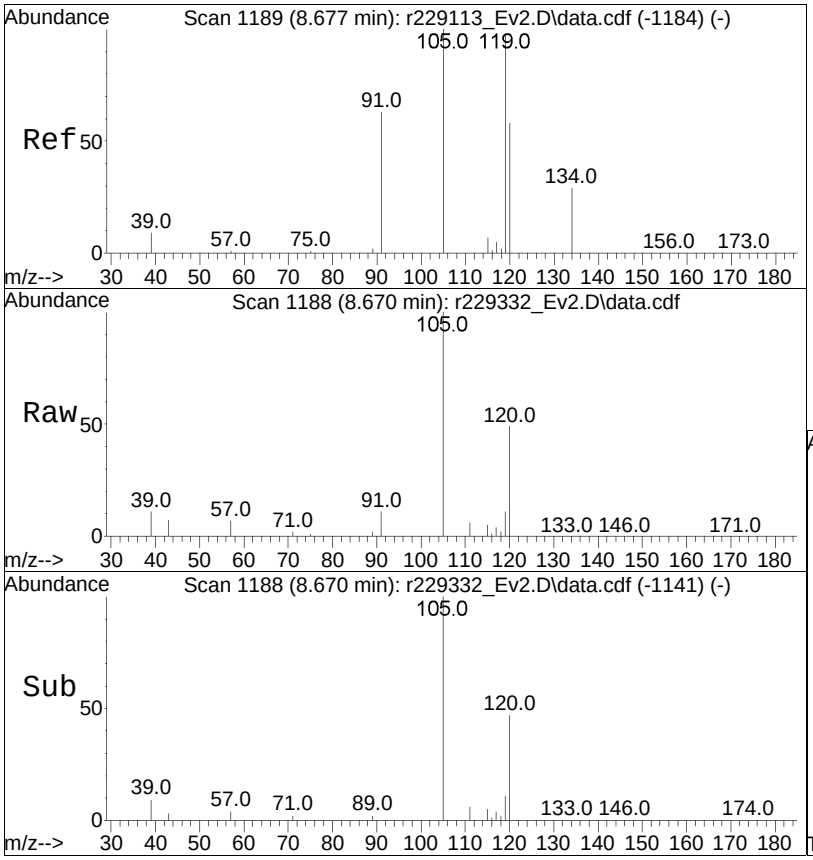


#71
1,3,5-trimethylbenzene
Concen: 0.03 ppbV
RT: 8.467 min Scan# 1159
Delta R.T. -0.007 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion:105 Resp: 5427

Ion	Ratio	Lower	Upper
105	100		
120	55.8	44.2	66.4
91	10.0	6.2	9.4#

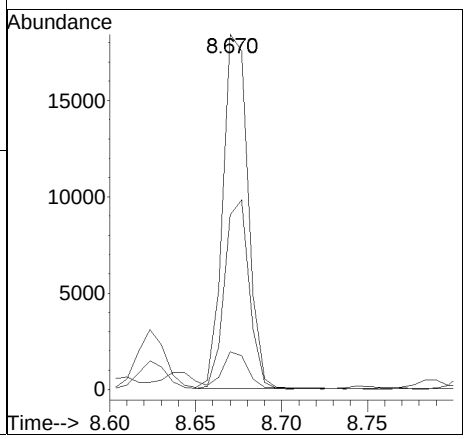


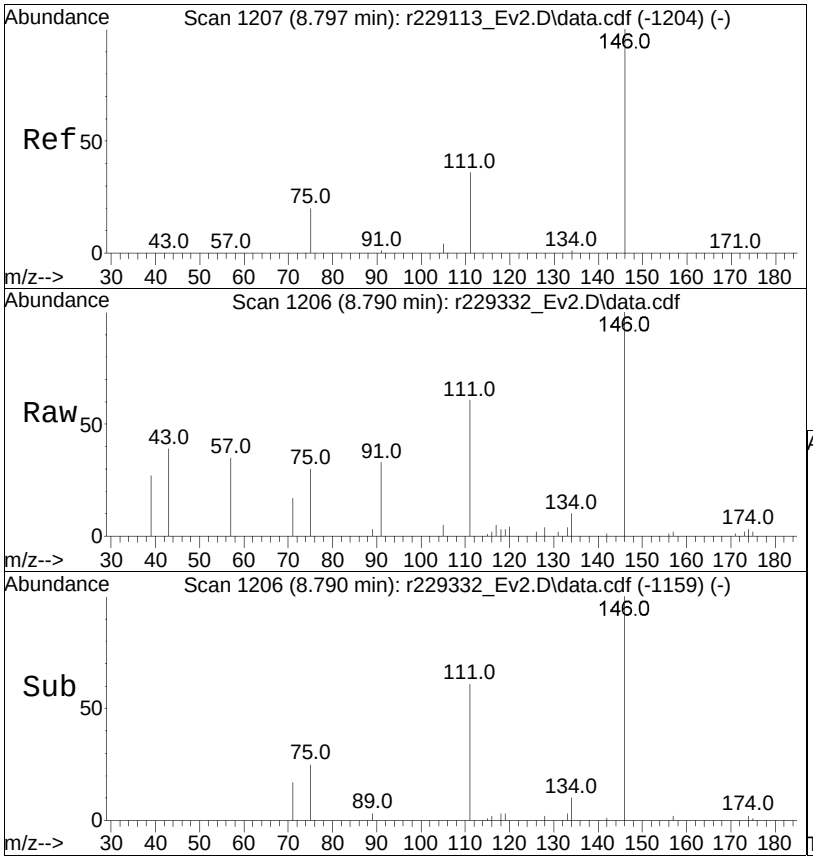


#73
1,2,4-trimethylbenzene
Concen: 0.12 ppbV
RT: 8.670 min Scan# 1188
Delta R.T. -0.007 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion:105 Resp: 18812

Ion	Ratio	Lower	Upper
105	100		
120	49.1	46.5	69.7
91	10.6	50.3	75.5#

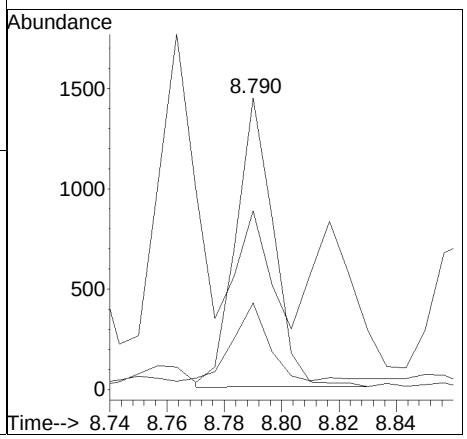


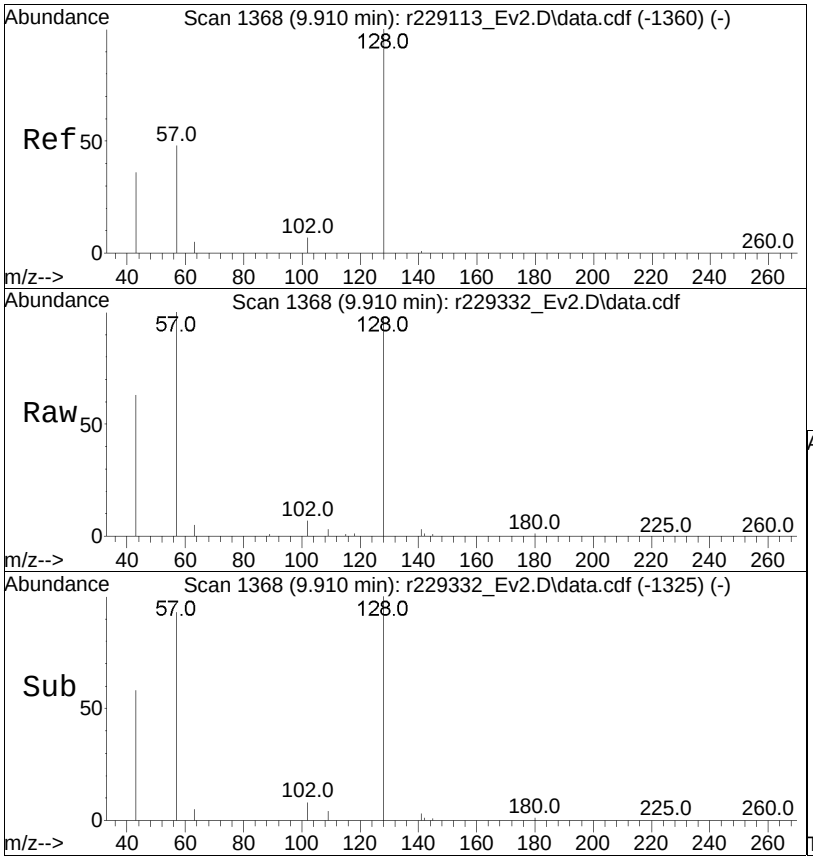


#76
1,4-dichlorobenzene
Concen: 0.01 ppbV
RT: 8.790 min Scan# 1206
Delta R.T. -0.007 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion:146 Resp: 1317

Ion	Ratio	Lower	Upper
146	100		
111	61.3	28.4	42.6#
75	29.7	16.1	24.1#

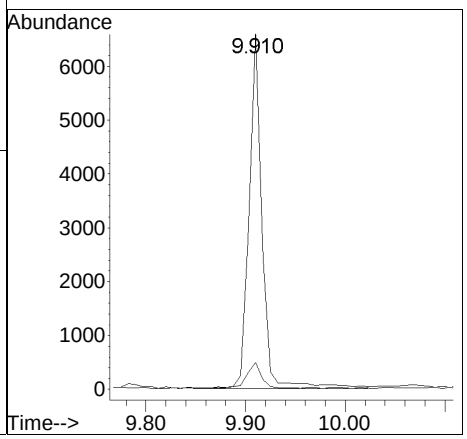




#83
naphthalene
Concen: 0.03 ppbV
RT: 9.910 min Scan# 1368
Delta R.T. 0.000 min
Lab File: r229332_Ev2.D
Acq: 20 Feb 2025 1:33 AM

Tgt Ion:128 Resp: 6015

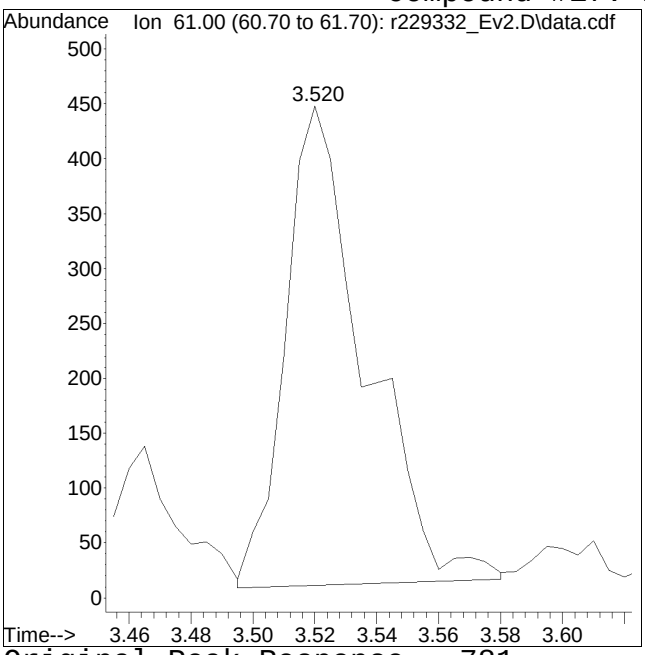
Ion	Ratio	Lower	Upper
128	100		
102	7.6	5.5	8.3



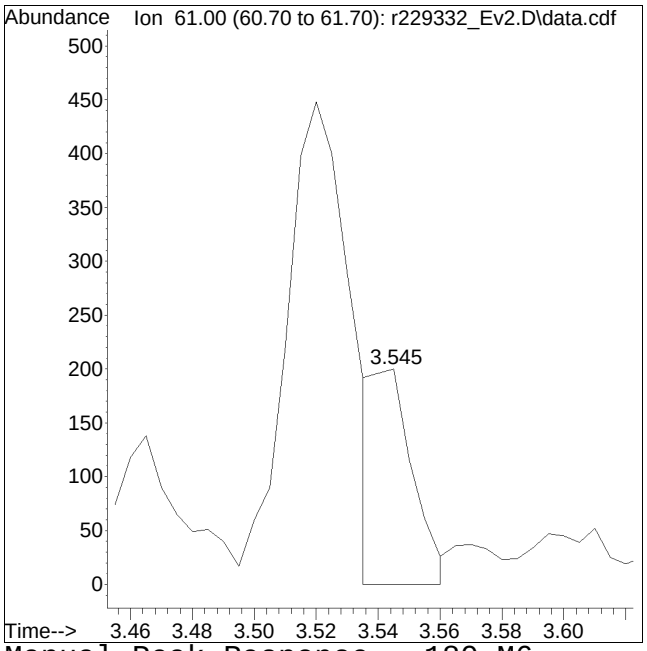
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab22\20QMethod : TSIM22_250206.M
Data File : r229332_Ev2.D Operator : AIRLAB22:TPH
Date Inj'd : 2/20/2025 1:33 AM Instrument :
Sample : WG2032006-5,3,250,250 Quant Date : 2/20/2025 7:51 am

Compound #17: 1,1-dichloroethene



Original Peak Response = 781



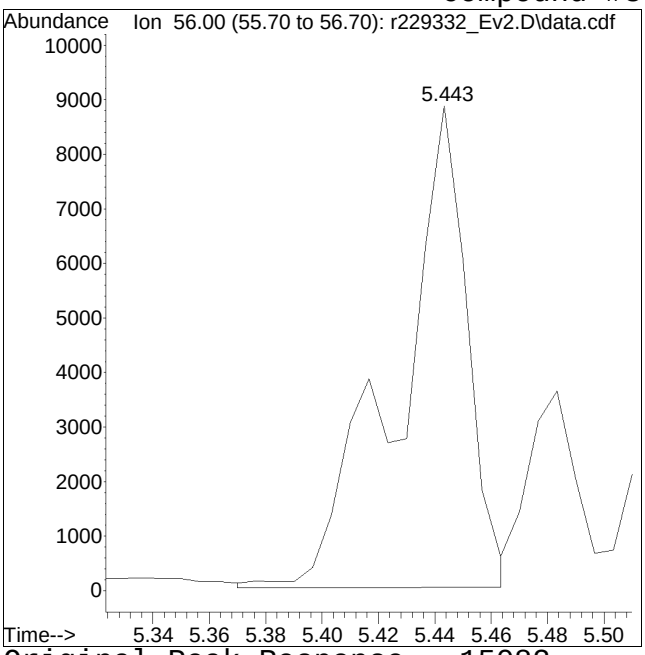
Manual Peak Response = 180 M6

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

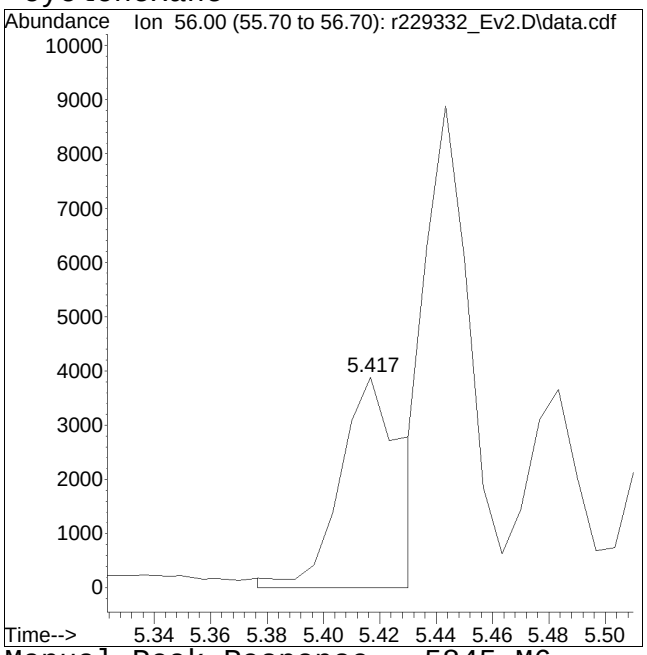
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab22\20QMethod : TSIM22_250206.M
Data File : r229332_Ev2.D Operator : AIRLAB22:TPH
Date Inj'd : 2/20/2025 1:33 AM Instrument :
Sample : WG2032006-5,3,250,250 Quant Date : 2/20/2025 7:51 am

Compound #39: cyclohexane



Original Peak Response = 15082



Manual Peak Response = 5845 M6

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

Calculation of Volatile Organic Compounds in Air

The instrument will calculate the concentration (ppbv). If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

Result, ppbv = C_s x DF
Where:
C_s = Concentration of sample (ppbv)
DF = Dilution Factor

Calculation of Instrument Dilution Factor

For dilutions, smaller sample volumes (< 250mL) are analyzed. The smallest volume that can be analyzed with accuracy is 10 mL.

Samples that arrive at the laboratory with pressures below -15 inches Hg must be pressurized with zero air to greater than -15 inches Hg. This pressurization results in a dilution factor.

Calculation of Dilution Factor
$DF = V_{cf} / V_{ci}$
Where:
V_{ci} = volume of air in canister prior to pressurization, L
P =

Conversion of ppbv to ug/m^3
ug/m^3 = (ppbv) * MW / 24.47
Where:
24.47 = molar gas constant (g/g-mole)
MW = molecular weight of the compound of interest

Dilution Factor for Pressurization of Subatmospheric Samples: Three Steps

Step 1: Calculate the volume in the canister prior to pressurization (Assume a 2.7 liter canister is used).

Dilution Factor for Pressurization of Subatmospheric Samples: Three Steps

Step 1: Calculate the volume in the canister prior to pressurization (Assume a 2.7 liter canister is used).

$V_{ci} = 2.7 * Pl/14.696$

Step 2: Calculate the volume in the canister after pressurization.

$V_{cf} = 2.7 * PF/14.696$

Step 3: Calculate the dilution factor.

$DF = V_{cf} / V_{ci}$

Where:

V_{ci} = volume of air in canister prior to pressurization, L
PI = pressure reading of canister prior to pressurization (psia)
V_{cf} = volume of air in canister after pressurization, L
PF = pressure reading of canister after pressurization (psia)
DF = dilution factor
14.696 = atmospheric pressure (psia)

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Feb 20 2025, 03:21 pm

Work Group: WG2032006 for Department: 3 GC/MS

Created: 19-FEB-25 Due: Operator: BJB

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2505608-01	A1-OERTER-REC-IA1	S	NYDEC-TO15-SIM	AIR	DONE	U	0227	0214	S0	Can-6
L2505608-02	A1-OERTER-REC-IA2	S	NYDEC-TO15-SIM	AIR	DONE	U	0227	0214	S0	Can-6
L2505608-03	A1-OERTER-REC-OA	S	NYDEC-TO15-SIM	AIR	DONE	U	0227	0214	S0	Can-6
L2506152-01	AS-IA-01-020325	S	NYDEC-TO15-SIM	AIR	DONE	U	0305	0217	S0	Tedlar-Poly5
L2506152-02	AS-IA-02-020325	S	NYDEC-TO15-SIM	AIR	DONE	U	0305	0217	S0	Tedlar-Poly5
L2506152-03	AS-IA-03-020325	S	NYDEC-TO15-SIM	AIR	DONE	U	0305	0217	S0	Tedlar-Poly5
L2506152-04	AS-IA-04-020325	S	NYDEC-TO15-SIM	AIR	DONE	U	0305	0217	S0	Tedlar-Poly5
L2506152-05	AS-IA-05-020325	S	NYDEC-TO15-SIM	AIR	DONE	U	0305	0217	S0	Tedlar-Poly5
L2506387-01	IA-1	S	NYDEC-TO15-SIM	AIR	DONE	U	0306	0219	S0	Can-3
L2506387-02	IA-2	S	NYDEC-TO15-SIM	AIR	DONE	U	0306	0219	S0	Can-3
L2506387-03	IA-3	S	NYDEC-TO15-SIM	AIR	DONE	U	0306	0219	S0	Can-3
L2506387-04	IA-4	S	NYDEC-TO15-SIM	AIR	DONE	U	0306	0219	S0	Can-3
L2506387-05	OA	S	NYDEC-TO15-SIM	AIR	DONE	U	0306	0219	S0	Can-3
L2506387-06	IA-X	S	NYDEC-TO15-SIM	AIR	DONE	U	0306	0219	S0	Can-3
WG2032006-1	MS BFB Tune Standard	S	NYDEC-TO15-SIM	AIR	DONE	U				
WG2032006-2	Continuing Calibrati	S	NYDEC-TO15-SIM	AIR	DONE	U				
WG2032006-3	Laboratory Control S	S	NYDEC-TO15-SIM	AIR	DONE	U				
WG2032006-4	Laboratory Method Bl	S	NYDEC-TO15-SIM	AIR	DONE	U				
WG2032006-5	Duplicate Sample	S	NYDEC-TO15-SIM	AIR	DONE	U				

Comments:

WG2032006-5 L2506387-03

Instrument ID: AIRLAB22

Internal Standard/Surrogate IDs: SS24-016 / SS24-017

Date: 02/06/2025

Internal Standard/Surrogate Volume: 100 ml

Analyst Initials: JMB/APR

Sequence File Name: 220916.S

AS Position #	Sample ID	Acquisition Method	Data File ID	Batch ID #, ICAL Ref #	Comment (s)	Product/ sublist	Check Pass ?
1	BA22123101	TO15_SFS.qgm	R229103.qgd	250 mL			NA
1	BA22123101	TO15_SFS.qgm	R229104.qgd	250 mL			NA
1	BA22123101	TO15_SFS.qgm	R229105.qgd	250 mL			NA
1	TA22011501	TO15_SFS.qgm	R229106.qgd	250 mL	BFB		NA
5	ITO15-SIMSTD0.02	TO15_SFS.qgm	R229107.qgd	50 mL SS24-043D	SIM ONLY	DEF	NA
5	ITO15-SIMSTD0.05	TO15_SFS.qgm	R229108.qgd	125 mL SS24-043D	SIM ONLY	DEF	NA
5	ITO15-SIMSTD0.1	TO15_SFS.qgm	R229109.qgd	250 mL SS24-043D	SIM ONLY	DEF	NA
6	ITO15-SIMSTD0.2	TO15_SFS.qgm	R229110.qgd	50 mL SS24-043C		DEF	NA
6	ITO15-SIMSTD0.5	TO15_SFS.qgm	R229111.qgd	125 mL SS24-043C		DEF	NA
6	ITO15-SIMSTD1.0	TO15_SFS.qgm	R229112.qgd	250 mL SS24-043C		DEF	NA
7	ITO15-SIMSTD5.0	TO15_SFS.qgm	R229113.qgd	125 mL SS24-043B		DEF	NA
7	ITO15-SIMSTD010	TO15_SFS.qgm	R229114.qgd	250 mL SS24-043B		DEF	NA
8	ITO15-SIMSTD020	TO15_SFS.qgm	R229115.qgd	50 mL SS24-043A		DEF	NA
8	ITO15-SIMSTD050	TO15_SFS.qgm	R229116.qgd	125 mL SS24-043A		DEF	NA
8	ITO15-LLSTD100	TO15_SFS.qgm	R229117.qgd	250 mL SS24-043A	LL ONLY	DEF	NA
1	BA22011501	TO15_SFS.qgm	R229118.qgd	250 mL			NA
1	BA22011502	TO15_SFS.qgm	R229119.qgd	250 mL			NA
3	CTO15-LLSTD10.0	TO15_SFS.qgm	R229120.qgd	250 mL SS24-034A	LL ICV	DEF-ICV	NA
3	CTO15-SIMSTD5.0	TO15_SFS.qgm	R229121.qgd	125 mL SS24-034A	SIM ICV	DEF-ICV	NA

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: AIRLAB22

Internal Standard/Surrogate IDs: SS22-029 / SS21-026

Date: 02/19/2025

Internal Standard/Surrogate Volume: 100 ml

Analyst Initials: BJB

Sequence File Name: 220916.S

AS Position	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL	Comment (s)	Product/ sublist	Leak Check
1	TA22021201	TO15_SFS.qgm	R229318.qgd	250 mL	TUNE	DO NOT USE	NA
1	CA22021201	TO15_SFS.qgm	R229319.qgd	250 mL SS24-032F	LL CC	DO NOT USE	NA
3	CTO15-LLSTD10.0	TO15_SFS.qgm	R229320.qgd	250mL SS25-001D	LL LCS	DO NOT USE	NA
3	CTO15-SIMTD5.0	TO15_SFS.qgm	R229321.qgd	125mL SS25-001D	SIM LCS	DO NOT USE	NA
1	TA22021201	TO15_SFS.qgm	R229322.qgd	250 mL	TUNE		NA
3	CTO15-LLSTD10.0	TO15_SFS.qgm	R229323.qgd	250mL SS25-001D	LL LCS		NA
3	CTO15-SIMTD5.0	TO15_SFS.qgm	R229324.qgd	125mL SS25-001D	SIM LCS		NA
1	BA22021201	TO15_SFS.qgm	R229325.qgd	250 mL	LL BLANK		NA
1	BA22021202	TO15_SFS.qgm	R229326.qgd	250 mL	SIM BLANK		NA
2	L2505608-03,3,250,250	TO15_SFS.qgm	R229327.qgd	WG2032006,ICAL21971		NYDEC-SIM	Y
3	L2506387-05,3,250,250	TO15_SFS.qgm	R229328.qgd	WG2032006,ICAL21971		NYDEC-SIM	Y
4	L2506387-01,3,250,250	TO15_SFS.qgm	R229329.qgd	WG2032006,ICAL21971	PCE OVERCAL	NYDEC-SIM	Y
5	L2506387-02,3,250,250	TO15_SFS.qgm	R229330.qgd	WG2032006,ICAL21971		NYDEC-SIM	Y
6	L2506387-03,3,250,250	TO15_SFS.qgm	R229331.qgd	WG2032006,ICAL21971		NYDEC-SIM	Y
6	L2506387-03DUP,3,250,250	TO15_SFS.qgm	R229332.qgd	WG2032006,ICAL21971	SIM DUP	NYDEC-SIM	Y
7	L2506387-04,3,250,250	TO15_SFS.qgm	R229333.qgd	WG2032006,ICAL21971		NYDEC-SIM	Y
8	L2506387-06,3,250,250	TO15_SFS.qgm	R229334.qgd	WG2032006,ICAL21971	PCE OVERCAL	NYDEC-SIM	Y
9	L2505608-01,3,250,250	TO15_SFS.qgm	R229335.qgd	WG2032006,ICAL21971		NYDEC-SIM	Y
10	L2505608-02,3,250,250	TO15_SFS.qgm	R229336.qgd	WG2032006,ICAL21971		NYDEC-SIM	Y
11	L2506152-01,3,250,250	TO15_SFS.qgm	R229337.qgd	WG2032006,ICAL21971	CHLOROETHANE OVERCAL	NYDEC-SIM	Y
12	L2506152-02,3,250,250	TO15_SFS.qgm	R229338.qgd	WG2032006,ICAL21971	CHLOROETHANE OVERCAL	NYDEC-SIM	Y
13	L2506152-03,3,250,250	TO15_SFS.qgm	R229339.qgd	WG2032006,ICAL21971	CHLOROETHANE OVERCAL	NYDEC-SIM	Y
14	L2506152-04,3,250,250	TO15_SFS.qgm	R229340.qgd	WG2032006,ICAL21971	CHLOROETHANE OVERCAL	NYDEC-SIM	Y
15	L2506152-05,3,250,250	TO15_SFS.qgm	R229341.qgd	WG2032006,ICAL21971	CHLOROETHANE OVERCAL	NYDEC-SIM	Y
4	L2506387-01D,3,100,250	TO15_SFS.qgm	R229342.qgd	WG2032006,ICAL21971		PCE BY SIM	Y

8	L2506387-06D,3,100,250	TO15_SFS.qgm	R229343.qgd	WG2032006,ICAL21971		PCE BY SIM	Y
11	L2506152-01D,3,25,250	TO15_SFS.qgm	R229344.qgd	WG2032006,ICAL21971		CHLOROETHANE BY SIM	Y
12	L2506152-02D,3,25,250	TO15_SFS.qgm	R229345.qgd	WG2032006,ICAL21971		CHLOROETHANE BY SIM	Y
13	L2506152-03D,3,25,250	TO15_SFS.qgm	R229346.qgd	WG2032006,ICAL21971		CHLOROETHANE BY SIM	Y
14	L2506152-04D,3,25,250	TO15_SFS.qgm	R229347.qgd	WG2032006,ICAL21971		CHLOROETHANE BY SIM	Y
15	L2506152-05D,3,25,250	TO15_SFS.qgm	R229348.qgd	WG2032006,ICAL21971		CHLOROETHANE BY SIM	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 (mL) }

Dilution Factor: See Form 1 report, or divide nominal volume by actual volume analyzed

APPENDIX E: DATA USABILITY SUMMARY REPORTS

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ENVIRONMENTAL
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To: Trisha Vicale
Environmental Assessment &
Remediations
225 Atlantic Avenue
Patchogue, NY 11772

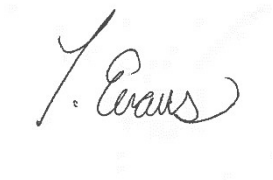
Data: 04/25/2025

Subject: NYSDEC Site No. 130111, Former Fresh & Clean Laundry, located at 22-26 Railroad Ave., Glen Head - Data Usability Summary Report

The Following Items Are Being Transmitted:
Data Packages

Originals	Description of Materials	Electronic/ Hard Copy
1	L25063871_NYSDEC_CatB_Package_Mini_Final Report.PDF	Electronic
1	L25063871_EquNysdec.xls	Electronic

Signature:



Tracey Evans
Chemist
evans@enviro-asmnt.com
Environmental Assessment & Remediations
225 Atlantic Avenue
Patchogue, New York 11772
631-447-6400 ext.146

Former Fresh & Clean Laundry, located at 22-26 Railroad Ave., Glen Head - Data Usability Summary Report for February 3-4, 24 Hrs. Air Sample Collections

Client: Environmental Assessment & Remediations, Patchogue, New York
Laboratory: Pace Analytical Service (NY Cert. #11148)
Site: Former Fresh & Clean Laundry (Site# 130111**)**
Location: 22-26 Railroad Ave., Glen Head

Job ID: L2506387				**Method**
Lab ID	**Field ID**	**Collection Date**	**Matrix (Collection Duration)**	**TO-15**
L2506387-01	IA-1	February 3-4, 2024	Air (24 hrs.)	x
L2506387-02	IA-2	February 3-4, 2024	Air (24 hrs.)	x
L2506387-03	IA-3	February 3-4, 2024	Air (24 hrs.)	x
L2506387-04	IA-4	February 3-4, 2024	Air (24 hrs.)	x
L2506387-05	OA	February 3-4, 2024	Air (24 hrs.)	x
L2506387-06	IA-X	February 3-4, 2024	Air (24 hrs.)	x

Samples were analyzed under the following criteria.

- USEPA Region 2 *Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15,* SOP HW-31, Revised 6 (September 2016)
- USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review, EPA 540-R-20-005 (November 2020)

Criteria for Data Usability Summary Report

Completeness:
A complete data package is one that has all relevant and related material packaged for distribution to its client in accordance with the Analytical Service Protocol (ASP) Category B Deliverables guidelines.

Compliant:
A compliant data package is one that is determined to have all work that pertains to the production of the laboratory data in a manner that is consistent with the Quality Assurance Program Plan.

Overall Usability Issues
Data validation was completed in accordance with the New York State Department of Environmental Conservation Analytical Service Protocol (NYSDEC ASP) Category B Data Deliverable requirements and reviewer's professional judgment.

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This analytical report complies with the following points:

1. Holding Time and Analysis Time
2. Sample Analysis and Quality Control.

- There was no rejection of data.

In conclusion, the data reviewed in this report is usable and valid as it passes all stated criteria for compliance with method TO-15.

Data Completeness

- A complete Category B data package under the NYSDEC ASP has been reported.

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Data Validation Acronyms

AA	Atomic Absorption, Flame Technique
BHC	Hexachlorocylcohexane
BFB	Bromofluorobenzene (Tune check analyte)
CCC	Continuing Calibration Check
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
CVAA	Atomic Absorption, Cold Vapor
DCAA	2,4-Dichlorophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine (Tune check analyte)
DL	Detection Limit
ECD	Electron Capture Detector
FAA	Atomic Absorption, Furnace Technique
FID	Flame Ionization Detector
FNP	1-Fluoronapthalene
GC	Gas Chromatography
GC/MS	Gas Chromatography/ Mass Spectrometry
GPC	Gel Permeation Chromatography
ICB	Initial Calibration Blank
ICP	Inductively Coupled Plasma – Atomic Emission Spectrometer
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ICAL	Initial Calibration Curve
IS	Internal Standard
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LCS/LCSD	Laboratory Control Sample/ Laboratory Control Sample Duplicate
MB	Method Blank
MS	Matrix Spike
BNAMS11	Method of Standard Additions
MSD	Matrix Spike Duplicate
MS/MSD	Matrix Spike/ Matrix Spike Duplicate
ND	Non-detected or Not Detected
PID	Photo Ionization Detector

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Data Validation Acronyms

PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
PQL	Practical Quantitation Limit
QA	Quality Assurance
QA/QC	Quality Assurance/ Quality Control
QC	Quality Control
RF	Response Factor
RPD	Relative Percent Difference
RL	Reporting Limit
RRF	Relative Response Factor
RT	Retention Time
RRT	Relative Retention Time
SDG	Sample Delivery Group
SMC	System Monitoring Compounds/ Surrogates
SPCC	Sample Performance Check Compound
TCX	Tetrachloro-m-xylene
%D	Percent Drift
%R	Percent Recovery
%RSD	Percent Relative Standard Deviation

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Data Validation Qualifiers

U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data is unusable. The sample results are rejected due to serious deficiencies. in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

Note:

1. These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

2. The EDDs are assigned these data validation qualifiers and refer to the valid value list supplied by the specific agency or informational data system.

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Client: Environmental Assessment & Remediations, Patchogue, New York
Laboratory: Pace Analytical Service (NY Cert. #11148)
Site: Former Fresh & Clean Laundry (Site# 130111)
Location: 22-26 Railroad Ave., Glen Head

Method Review TO-15

Job ID: L2506387

Lab ID	Field ID	Collection Date	Matrix (Collection Duration)
L2506387-01	IA-1	February 3-4, 2024	Air (24 hrs.)
L2506387-02	IA-2	February 3-4, 2024	Air (24 hrs.)
L2506387-03	IA-3	February 3-4, 2024	Air (24 hrs.)
L2506387-04	IA-4	February 3-4, 2024	Air (24 hrs.)
L2506387-05	OA	February 3-4, 2024	Air (24 hrs.)
L2506387-06	IA-X	February 3-4, 2024	Air (24 hrs.)

Reviewer Summary :

Samples were handled and analyzed properly under EPA's National Functional Guideline for Organic Compounds and SOP NO. HW-31.
• The continuous calibration percent drift for analyte, vinyl acetate but was not part of sample analyte group. No qualification needed.
• Within canister blank (CQ34771 BLANK), acetone was detected. The concentration was minimum; thus, it could be qualified as possible laboratory contamination and no qualification is needed.
• Laboratory duplicate sample was IA-3, RPD was within acceptable laboratory criteria.
• Field duplicate pair IA-2 and IA-X samples results are within acceptable quantities (>50%). No further qualification is needed.
All data is within category B criterion and usable.

Client: Environmental Assessment & Remediations, Patchogue, New York
Laboratory: Pace Analytical Service (NY Cert. #11148)
Site: Former Fresh & Clean Laundry (Site# 130111)
Location: 22-26 Railroad Ave., Glen Head
Job ID: L25063871

TO-15

Criteria	Y	N	NA	Comment
A. Sample Integrity and Preservation				
Were samples within technical hold time and extraction period?	x			
Were preserved pressure difference between sampling and analysis ≤ 5psi)	x			
Canister Cleaning results provided?	x			
B. GC/MS Instrument Performance Check				
Were BFB performance results within criteria?	x			
Were all samples analyzed within the 12 hour time period	x			
C. Initial Calibration				
Was a 5 point calibration conducted?	x			
RSD% within acceptable criterion?	x			
Was curve fit used for evaluation? If yes did the I.C. meet the curve fit acceptability of ≥0.990 ?	x			
Was the Initial Calibration Verification (ICV) done after the I.C? Was retention time within bounds?	x			
D. Continuing Calibration				
Was it done every 12 hours after Initial Calibration to verify it?	x			Vinyl Acetate failed laboratory criteria for %Drift but was not part of sample analyte group. No qualification needed.
Were Drift % and (RRF) within acceptable criteria?		x		

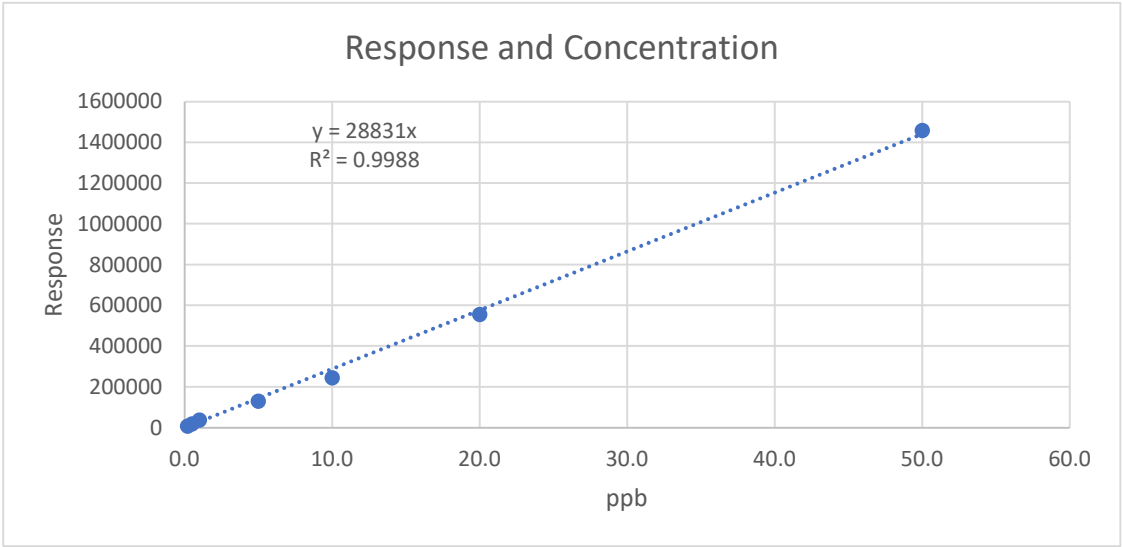
Criteria	Y	N	NA	Comment
E. Laboratory Blanks				
Was a lab blank associated with each sample of SDG?	x			
Was blank analyzed every 20 samples?	x			
Were contamination found, if so qualification may be necessary?		x		
Were method detection limits defined?	x			
F. Field Blanks/ Trip Blank				
Was a field blanks associated with each sample of SDG?		x		
Were target compounds detected in it?			x	
G. Laboratory Control Sample/Duplicate				
Was LCS analysis completed for this SDG?	x			
Was LCS analysis per analysis batch?	x			
Was LCS %R and RPD within QC Limits?	x			Laboratory duplicate sample was IA-3.
Was LDS analysis completed for this SDG?	x			
Was LDS RPD within QC Limits?	x			
H. Internal Standards				
Were Surrogates percent recovery (%R) within QC limits?	x			
Were retention times of analytes less than 20 sec difference between samples?	x			
I. Compound Quantitation				
Were correct internal standards, quantitation ions and RRF used in quantitate compounds?	x			
Were compound quantitates and RLs adjusted to reflect sample dilutions and dry weights to continuous calibration?	x			

Criteria	Y	N	NA	Comment
J. Target Compound Identification				
Did the spectrum meet EPA "Functional Guidelines"?	x			
Were chromatograms peaks verified and accounted?	x			
K. Field Duplicate				**IA-1 and IA-X**
Were field duplicates identified in this SDG?	x			Duplicate pair IA-2 and IA-X samples results are within acceptable quantities (>50%). No further qualification is needed. See attachment.
Were target compounds detected in it?	x			
L. Overall Assessment of Data				
Was Overall assessment of data found to be acceptable?	x			

Comments: All results were within Cat. B criterion and usable.

Calculation Spot Check
Instrument AIRLAB22
ICV Date 02/06/25 19:30
Compound Propene (Propylene)

Level	RF	Response	Concentration (ppb)
Lv1	1.240	7307	0.2
Lv2	1.288	19381	0.5
Lv3	1.243	38192	1.0
Lv4	0.833	130927	5.0
Lv5	0.782	244649	10.0
Lv6	0.904	555791	20.0
Lv7	1.015	1459680	50.0
average	1.044		
RSD	20.37		



Blind Duplicate

Analytes	Original Sample IA-1	Blind Duplicate IA-X	Relative Percent Difference
1,1,1-TRICHLOROETHANE	0.818	0.818	0.00
1,1-DICHLOROETHENE	0.071	0.075	5.48
1,2,4-TRIMETHYLBENZENE	0.742	0.787	5.89
1,2-DICHLOROETHANE	0.862	0.842	2.35
1,3,5-TRIMETHYLBENZENE	0.211	0.231	9.05
1,4-DICHLOROBENZENE	0.096	0.096	0.00
1,4-DIOXANE	0.238	0.267	11.49
2,2,4-TRIMETHYLPENTANE	1.63	1.61	1.23
2-BUTANONE	4.16	2.88	36.36
BENZENE	0.933	0.917	1.73
BROMOMETHANE	0.089	0.082	8.19
CARBON TETRACHLORIDE	0.66	0.667	1.06
CHLOROFORM	0.186	0.186	0.00
CHLOROMETHANE	1.07	0.985	8.27
CYCLOHEXANE	0.558	0.482	14.62
DICHLORODIFLUOROMETHANE	3.3	3.36	1.80
ETHYL ALCOHOL	65.9	65.6	0.46
ETHYLBENZENE	1.31	1.29	1.54
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.514	0.514	0.00
1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	0.161	0.161	0.00
HEPTANE	3.54	3.55	0.28
METHYLENE CHLORIDE	1.4	1.4	0.00
NAPHTHALENE	0.168	0.152	10.00
STYRENE	0.141	0.153	8.16
TETRACHLOROETHENE	545	389	33.40
TETRACHLOROETHENE	392	554	34.25
TOLUENE	4.18	4.18	0.00
TRICHLOROETHENE	40.4	41	1.47
TRICHLOROFLUOROMETHANE	1.93	1.96	1.54
VINYL CHLORIDE	0.23	0.245	6.32
CIS-1,2-DICHLOROETHENE	14.6	14.8	1.36
N-HEXANE	1.8	1.8	0.00
O-XYLENE	1.17	1.16	0.86
P/M-XYLENE	4.2	4.24	0.95
TRANS-1,2-DICHLOROETHENE	3.31	3.35	1.20

Reviewer comment: Comparing duplicate pair IA-1 and IA-X samples results are within acceptable quantities (>50%). No further qualification is needed.