SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

Principals:
Anthony Castillo, PE
Fuad Dahan, PhD, PE, LSRP
Franz W. Laki, PE
John M. Nederfield, PE
Justin M. Protasiewicz, PE
Jose M. Rodriguez, PE
Michael St. Pierre, PE

September 16, 2025 ***via email: ryan.richard@dec.ny.gov***

New York State Department of Environmental Conservation

RE: Cottage - Garden Auto Repair Site
26 Garden Street
New Rochelle, New York
NYSDEC BCP No.: C360180
SESI Project No.: 11672

Dear Mr. Richard:

SESI Consulting Engineers (SESI) has prepared this data summary letter to demonstrate that the remediation on the site known as Cottage – Garden Auto Repair Site (the "Site") BCP # C360180 has achieved an unconditional Track 1 remedy on behalf of the volunteer entities. In August 2025, SESI submitted a Periodic Review Report (PRR) for the April 30, 2024 to April 30, 2025 reporting period. In July 2025, SESI conducted an additional quarterly groundwater sampling event of the monitoring wells. Below is a summary of the sampling results to date.

1.0 GROUNDWATER SAMPLING SUMMARY

SESI has completed a comprehensive review of dissolved groundwater concentrations for the contaminants exceeding the Ambient Water Quality Standards (AWQS), including trichloroethene (TCE) and methyl-tertiary-butyl-ether (MTBE). Based on over four (4) years of groundwater data collected, in addition to the groundwater sampling event of July 2025, SESI recommends the cessation of the groundwater monitoring and termination of the environmental easement. The July 2025 data confirm that chlorinated volatile organic compounds (CVOCs) have achieved the AWQS and petroleum hydrocarbon volatile organic compounds (PHC-VOCs)

have achieved asymptotic levels given that the final MTBE results is only minimally above the AWQS.

The Volunteers removed and remediated all possible sources of VOCs on Site by removal of all soil exceeding the Track 1 unrestricted use soil cleanup objectives (USCOs) Site-wide and implementing In Situ Chemical Oxidation (ISCO) remediation for groundwater prior to Certifiate of Completion (COC) issuance. Post COC, VOC groundwater concentrations have demonstrated a downward trend over the four year period and in the latest July 2025 data either meet the groundwater standards or have reached very low residual values resulting from the removal and remediation of the Site soil and groundwater treatment. These low concentrations of VOCs are at low enough concentrations that they would not warrant further remediation and they have reached asymptotic levels just above the AWQS.

Given the achievement of an unconditional Track 1 remediation, we conclude from the data that there is no practical purpose in further monitoring PHC-VOCs and CVOCs which meet or nearly meet the TOGS 1.1.1 Class GA AWQS.

2.0 DISCUSSION OF GROUNDWATER RESULTS

The summary presented below includes figures and tables summarizing the groundwater sample results from the first post certificate of completion (COC) quarterly groundwater sampling event in April 2021 through the most recent quarterly groundwater sampling event in July 2025. In addition, SESI has prepared graphs showing the change in groundwater contamination concentrations over time since the issuance of COC. The trend of each contaminant concentration in groundwater is plotted in the graphs. Two (2) graphs are presented per each compound: the graphs to the right have all the same y-axis range (1-100 ppb for TCE and 120 ppb for MTBE) and the graphs to the left have y-axis ranges that varied depending on the detected concentration range of each compound.

The groundwater sampling results presented below show that VOCs in groundwater are either at or below the AWQS or have reached asymptotic levels. Given these data, the existing regulatory restrictions on groundwater use in Westchester County, the location of this property in an urban area, and the complete removal of all possible source material from the Site, the Department should confirm that the Site now meets the standards for an unconditional Track 1 remedy.

The groundwater sample results compared to the AWQSs are presented **Figure 2.1** in Attachment A, **Table 2.1** in Attachment B, and the **Trend Graphs** in Attachment C. A summary of the TCE and MTBE data is presented on Table 2.2 below. The laboratory report is presented in Attachment D.

2.1 CHLORNIATED VOCs

As shown on Figure 2.1, Table 2.2, and the trend graphs, TCE was detected in MW-3 post-COC at a concentration of 34 ug/L in April 2021 and peaked at 87 ug/L in the December 2021 sampling event. The TCE concentrations in MW-3 declined over the past four (4) sampling events, experienced an odd rebound in March 2025 at a concentration of 20 ug/L, but then were reduced to 0.55 ug/L in July 2025, which is below the AWQS for TCE. The data confirms that TCE concentrations in groundwater have reached asymptotic levels. The concentration of TCE in downgradient monitoring well MW-4 has remained at trace concentrations below the AQWS since the first post-COC sampling event in April 2021.

2.2 PETROLEUM VOCs

As shown on Figure 2.1, Table 2.2, and the trend graphs, post-COC concentrations of MTBE in MW-3 peaked at a concentration of 100 ug/L in April and June 2021, and have been steadily declining to a concentration below the AWQS of 6.8 ug/L in August 2024 and below detection limits in February 2024. The MTBE concentration oddly rebounded to a concentration of 43 ug/L in March 2025, but were then reduced to 12 ug/L in July 2025 as compared to the AWQS of 10 ug/L.

Table 2.2: Summary of VOC Groundwater Exceedances

LOCATION	TOGS GA AWQS	MW-3		MW-3		MW-3		MW-3S		MW-3S	
SAMPLING DATE		4/22/2021		6/16/2021		9/16/2021		12/9/2021		3/2/2022	
COMPOUND		Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Methyl tert butyl ether	10	100		100		57		64		49	
Trichloroethene	5	34		60		51		87		84	
Chloroform	7	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Carbon Tetrechloride	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

LOCATION	TOGS GA AWQS	MW-3		MW-3		MW-3		MW-3		MW-3	
SAMPLING DATE		3/16/2023		8/24/2023		2/26/2024		3/21/2025		7/9/2025	
COMPOUND		Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Methyl tert butyl ether	10	18		6.8		2.5	U	43		12	
Trichloroethene	5	7.2		0.5	U	0.5	U	20		0.55	
Chloroform	7	2.5	U	4.4		2.5	U	2.5	U	2.5	U
Carbon Tetrechloride	5	0.5	U	6.6		0.5	U	0.5	U	0.5	U

LOCATION	TOGS GA AWQS	MW-4		MW-4		MW-4		MW-4		MW-4	
SAMPLING DATE		4/22/2021		6/16/2021		9/16/2021		12/9/2021		3/2/2022	
COMPOUND		Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Methyl tert butyl ether	10	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Benzene	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
Trichloroethene	5	2.7		3.3		2.7		2.1		1.6	
Chloroform	7	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

LOCATION	TOGS GA AWQS	MW-4		MW-4		MW-4		MW-4	
SAMPLING DATE		3/16/2023		2/26/2024		3/21/2025		7/9/2025	
COMPOUND		Results	Q	Results	Q	Results	Q	Results	Q
Methyl tert butyl ether	10	2.5	U	2.5	U	2.5	U	2.5	U
Benzene	1	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1	1.5	U	1.5	U	1.5	U	1.5	U
Trichloroethene	5	0.44	J	0.5	U	0.71		0.54	
Chloroform	7	8.7		2.5	U	8.4		2.1	

Notes:

1. Results are shown in micrograms per liter (ug/L)
2. Yellow Highlight = Compound exceedances of NYSDEC AWQS
3. Q = Qualifier
4. U = Compound Not Detected
5. J = concentration estimated
6. MW-3 and MW-3S are the same well.

Given the minor exceedance of only 2 ug/L above the AWQS, and the urban location of the Site, the data confirms that MTBE concentrations in groundwater have reached asymptotic levels. The concentration of MTBE in downgradient monitoring well MW-4 has remained below detection limits since the first post-COC sampling event in April 2021.

In sum, this Site has achieved unconditional Track 1 in less than five years post COC.

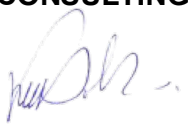
3.0 SUMMARY OF FINDINGS

The sources that have impacted groundwater have been remediated. The data confirm that there has been bulk reduction in groundwater contaminants and that the VOC concentrations in groundwater have reached the AWQS and/or asymptotic levels. In addition, the Site soils were

remediated to Track 1, and there is no on-Site source of VOCs and these concentrations will naturally degrade. Chapter 873, Article VII of the Laws of Westchester County prohibits potable use of groundwater, which prevents ingestion of groundwater at or around the Site. For these reasons, groundwater treatment here is not practical and further monitoring is no longer warranted. Accordingly, the Department should allow the Volunteers to terminate the conditional EE and cease groundwater monitoring under the SMP.

Sincerely,

SESI CONSULTING ENGINEERS



Fuad Dahan, PE, PhD
Principal

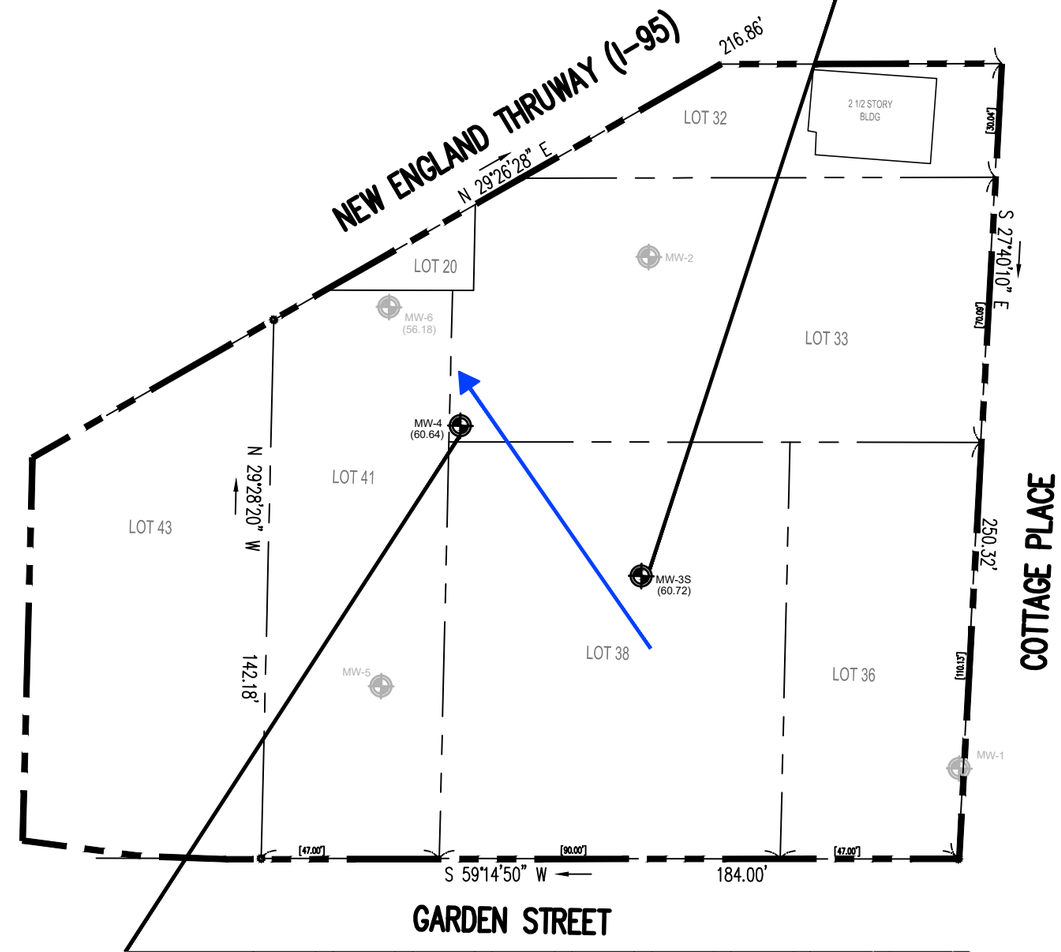
Attachments:
Attachment A: Figures
Attachment B: Tables
Attachment C: Trend Graphs
Attachment D: Laboratory Reports

N:\PROJECTS\11672 - New Rochelle, NY (SMP)\Reports\Letter Summary Report 2025.09.09\SESI 5 Year Post COC Track 1 Summary Letter 2025.09.15.docx

Attachment A:

Figures

LOCATION	MW-3		MW-3		MW-3		MW-3S		MW-3S		MW-3		MW-3		MW-3		MW-3	
SAMPLING DATE	4/22/2021		6/16/2021		9/16/2021		12/9/2021		3/2/2022		3/16/2023		8/24/2023		2/26/2024		3/21/2025		7/9/2025	
	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Methyl tert butyl ether	100		100		57		64		49		18		6.8		2.5	U	43		12	
Trichloroethene	34		60		51		87		84		7.2		0.5	U	0.5	U	20		0.55	
Chloroform	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	4.4		2.5	U	2.5	U	2.5	U
Carbon Tetrechloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	6.6		0.5	U	0.5	U	0.5	U



LOCATION	MW-4		MW-4		MW-4		MW-4		MW-4		MW-4		MW-4		MW-4		MW-4	
SAMPLING DATE	4/22/2021		6/16/2021		9/16/2021		12/9/2021		3/2/2022		3/16/2023		2/26/2024		3/21/2025		7/9/2025	
	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Methyl tert butyl ether	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Benzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
Trichloroethene	2.7		3.3		2.7		2.1		1.6		0.44	J	0.5	U	0.71		0.54	
Chloroform	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	8.7		2.5	U	8.4		2.1	

LEGEND:

MW-4 (60.64) - EXISTING GROUNDWATER MONITORING WELL & GROUNDWATER ELEVATION (FT.)

- BCP SITE AND PROPERTY BOUNDARY

MW-1 - DESTROYED MONITORING WELL

- DIRECTION OF GROUNDWATER FLOW

Analyte	NY-AWQS	Units
Methyl tert butyl ether	10	ug/l
Benzene	1	ug/l
1,1,2-Trichloroethane	1	ug/l
Trichloroethene	5	ug/l
Carbon Tetrechloride	5	ug/l
Chloroform	7	ug/l

SCALE: 1"=40'

0 40 80

NOTES:
- THIS PLAN IS FOR LOCATING SAMPLES ONLY.
- OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.
- NY-AWQS: NEW YORK TOGS 111 AMBIENT WATER QUALITY STANDARDS CRITERIA REFLECTS ALL ADDENDUM TO CRITERIA THROUGH JUNE 2004
- J - PRESUMPTIVE EVIDENCE OF COMPOUND. THIS REPRESENTS AN ESTIMATED CONCENTRATION FOR TENTATIVELY IDENTIFIED COMPOUNDS (TICs), WHERE THE IDENTIFICATION IS BASED ON A MASS SPECTRAL LIBRARY SEARCH.
- U - NOT DETECTED AT THE REPORTED DETECTION LIMIT FOR THE SAMPLE
- ug/L - MICROGRAMS PER LITER
- **BOLD** - DENOTES COMPOUND EXCEEDS AWQS

REFERENCE
SITE INFORMATION IS TAKEN FROM BOUNDARY SURVEY BY OTHERS.

dwg by: APG
chk by: SG
scale: AS NOTED
date: 09/04/2025

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL
959 route 46e, 3rd floor, parsippany, nj 07054 ph: 973.808.9050

project: COTTAGE - GARDEN AUTO REPARI SITE (BCP #360180) NEW ROCHELLE, WESTCHESTER COUNTY, N.Y.

drawing title: GROUNDWATER SAMPLE LOCATIONS & RESULTS

job no: 11672
drawing no: FIG-2.1

N:\ACAD\11672\CAD\11672.DWG— GW SAMPL LOCS & RESULTS.DWG 09/04/25 09:14:18AM, qpg, LAYOUT: FIG—3.1 (V3)

Attachment B:

Tables

Table 2.1
Groundwater Data Compared to AWQS

		SAMPLE ID:	MW-4				MW-3			
		LAB ID:	L2542892-01				L2542892-02			
		COLLECTION DATE:	7/9/2025				7/9/2025			
		SAMPLE MATRIX:	WATER				WATER			
		NY-AWQS								
ANALYTE	**CAS**	**(ug/l)**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
VOLATILE ORGANICS BY GC/MS										
Methylene chloride	75-09-2	5	ND		2.5	0.7	ND		2.5	0.7
1,1-Dichloroethane	75-34-3	5	ND		2.5	0.7	ND		2.5	0.7
Chloroform	67-66-3	7	2.1	J	2.5	0.7	ND		2.5	0.7
Carbon tetrachloride	56-23-5	5	ND		0.5	0.13	ND		0.5	0.13
1,2-Dichloropropane	78-87-5	1	ND		1	0.14	ND		1	0.14
Dibromochloromethane	124-48-1	50	ND		0.5	0.15	0.48	J	0.5	0.15
1,1,2-Trichloroethane	79-00-5	1	ND		1.5	0.5	ND		1.5	0.5
Tetrachloroethene	127-18-4	5	ND		0.5	0.18	ND		0.5	0.18
Chlorobenzene	108-90-7	5	ND		2.5	0.7	ND		2.5	0.7
Trichlorofluoromethane	75-69-4	5	ND		2.5	0.7	ND		2.5	0.7
1,2-Dichloroethane	107-06-2	0.6	ND		0.5	0.13	ND		0.5	0.13
1,1,1-Trichloroethane	71-55-6	5	ND		2.5	0.7	ND		2.5	0.7
Bromodichloromethane	75-27-4	50	ND		0.5	0.19	ND		0.5	0.19
trans-1,3-Dichloropropene	10061-02-6	0.4	ND		0.5	0.16	ND		0.5	0.16
cis-1,3-Dichloropropene	10061-01-5	0.4	ND		0.5	0.14	ND		0.5	0.14
1,3-Dichloropropene, Total	542-75-6		ND		0.5	0.14	ND		0.5	0.14
1,1-Dichloropropene	563-58-6	5	ND		2.5	0.7	ND		2.5	0.7
Bromoform	75-25-2	50	ND		2	0.65	2.2		2	0.65
1,1,2,2-Tetrachloroethane	79-34-5	5	ND		0.5	0.17	ND		0.5	0.17
Benzene	71-43-2	1	ND		0.5	0.16	ND		0.5	0.16
Toluene	108-88-3	5	ND		2.5	0.7	ND		2.5	0.7
Ethylbenzene	100-41-4	5	ND		2.5	0.7	ND		2.5	0.7
Chloromethane	74-87-3		ND		2.5	0.7	ND		2.5	0.7
Bromomethane	74-83-9	5	ND		2.5	0.7	ND		2.5	0.7
Vinyl chloride	75-01-4	2	ND		1	0.07	ND		1	0.07
Chloroethane	75-00-3	5	ND		2.5	0.7	ND		2.5	0.7
1,1-Dichloroethene	75-35-4	5	ND		0.5	0.17	ND		0.5	0.17
trans-1,2-Dichloroethene	156-60-5	5	ND		2.5	0.7	ND		2.5	0.7
Trichloroethene	79-01-6	5	0.54		0.5	0.18	0.55		0.5	0.18
1,2-Dichlorobenzene	95-50-1	3	ND		2.5	0.7	ND		2.5	0.7
1,3-Dichlorobenzene	541-73-1	3	ND		2.5	0.7	ND		2.5	0.7
1,4-Dichlorobenzene	106-46-7	3	ND		2.5	0.7	ND		2.5	0.7
Methyl tert butyl ether	1634-04-4	10	ND		2.5	0.17	12		2.5	0.17

Table 2.1
Groundwater Data Compared to AWQS

		SAMPLE ID:	MW-4				MW-3			
		LAB ID:	L2542892-01				L2542892-02			
		COLLECTION DATE:	7/9/2025				7/9/2025			
		SAMPLE MATRIX:	WATER				WATER			
		NY-AWQS								
ANALYTE	**CAS**	**(ug/l)**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
p/m-Xylene	179601-23-1	5	ND		2.5	0.7	ND		2.5	0.7
o-Xylene	95-47-6	5	ND		2.5	0.7	ND		2.5	0.7
Xylenes, Total	1330-20-7		ND		2.5	0.7	ND		2.5	0.7
cis-1,2-Dichloroethene	156-59-2	5	ND		2.5	0.7	ND		2.5	0.7
1,2-Dichloroethene, Total	540-59-0		ND		2.5	0.7	ND		2.5	0.7
Dibromomethane	74-95-3	5	ND		5	1	ND		5	1
1,2,3-Trichloropropane	96-18-4	0.04	ND		2.5	0.7	ND		2.5	0.7
Acrylonitrile	107-13-1	5	ND		5	1.5	ND		5	1.5
Styrene	100-42-5	5	ND		2.5	0.7	ND		2.5	0.7
Dichlorodifluoromethane	75-71-8	5	ND		5	1	ND		5	1
Acetone	67-64-1	50	9.6		5	1.5	28		5	1.5
Carbon disulfide	75-15-0	60	ND		5	1	ND		5	1
2-Butanone	78-93-3	50	ND		5	1.9	ND		5	1.9
Vinyl acetate	108-05-4		ND		5	1	ND		5	1
4-Methyl-2-pentanone	108-10-1		ND		5	1	ND		5	1
2-Hexanone	591-78-6	50	ND		5	1	ND		5	1
Bromochloromethane	74-97-5	5	ND		2.5	0.7	ND		2.5	0.7
2,2-Dichloropropane	594-20-7	5	ND		2.5	0.7	ND		2.5	0.7
1,2-Dibromoethane	106-93-4	0.0006	ND		2	0.65	ND		2	0.65
1,3-Dichloropropane	142-28-9	5	ND		2.5	0.7	ND		2.5	0.7
1,1,1,2-Tetrachloroethane	630-20-6	5	ND		2.5	0.7	ND		2.5	0.7
Bromobenzene	108-86-1	5	ND		2.5	0.7	ND		2.5	0.7
n-Butylbenzene	104-51-8	5	ND		2.5	0.7	ND		2.5	0.7
sec-Butylbenzene	135-98-8	5	ND		2.5	0.7	ND		2.5	0.7
tert-Butylbenzene	98-06-6	5	ND		2.5	0.7	ND		2.5	0.7
o-Chlorotoluene	95-49-8	5	ND		2.5	0.7	ND		2.5	0.7
p-Chlorotoluene	106-43-4	5	ND		2.5	0.7	ND		2.5	0.7
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ND		2.5	0.7	ND		2.5	0.7
Hexachlorobutadiene	87-68-3	0.5	ND		2.5	0.7	ND		2.5	0.7
Isopropylbenzene	98-82-8	5	ND		2.5	0.7	ND		2.5	0.7
p-Isopropyltoluene	99-87-6	5	ND		2.5	0.7	ND		2.5	0.7
Naphthalene	91-20-3	10	ND		2.5	0.7	ND		2.5	0.7
n-Propylbenzene	103-65-1	5	ND		2.5	0.7	ND		2.5	0.7
1,2,3-Trichlorobenzene	87-61-6	5	ND		2.5	0.7	ND		2.5	0.7
1,2,4-Trichlorobenzene	120-82-1	5	ND		2.5	0.7	ND		2.5	0.7

Table 2.1
Groundwater Data Compared to AWQS

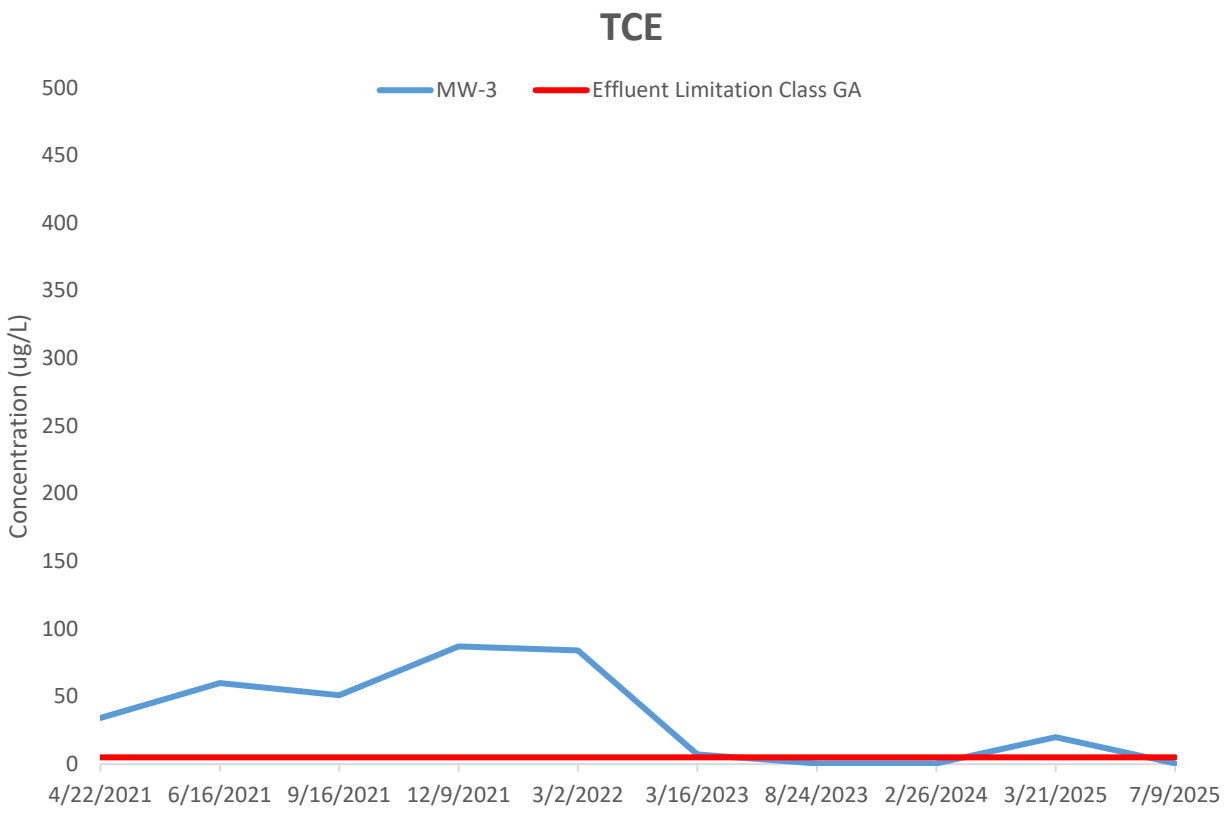
		SAMPLE ID:	MW-4				MW-3			
		LAB ID:	L2542892-01				L2542892-02			
		COLLECTION DATE:	7/9/2025				7/9/2025			
		SAMPLE MATRIX:	WATER				WATER			
		NY-AWQS								
ANALYTE	**CAS**	**(ug/l)**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
1,3,5-Trimethylbenzene	108-67-8	5	ND		2.5	0.7	ND		2.5	0.7
1,2,4-Trimethylbenzene	95-63-6	5	ND		2.5	0.7	ND		2.5	0.7
1,4-Dioxane	123-91-1	0.35	ND		250	61	ND		250	61
p-Diethylbenzene	105-05-5		ND		2	0.7	ND		2	0.7
p-Ethyltoluene	622-96-8		ND		2	0.7	ND		2	0.7
1,2,4,5-Tetramethylbenzene	95-93-2	5	ND		2	0.54	ND		2	0.54
Ethyl ether	60-29-7		ND		2.5	0.7	ND		2.5	0.7
trans-1,4-Dichloro-2-butene	110-57-6	5	ND		2.5	0.7	ND		2.5	0.7

NY-AWQS: NY - New York TOGS 111 Ambient Water Quality Standards & Guidance Values Criteria per Standards & Guidance Values including all addenda through February 2023.

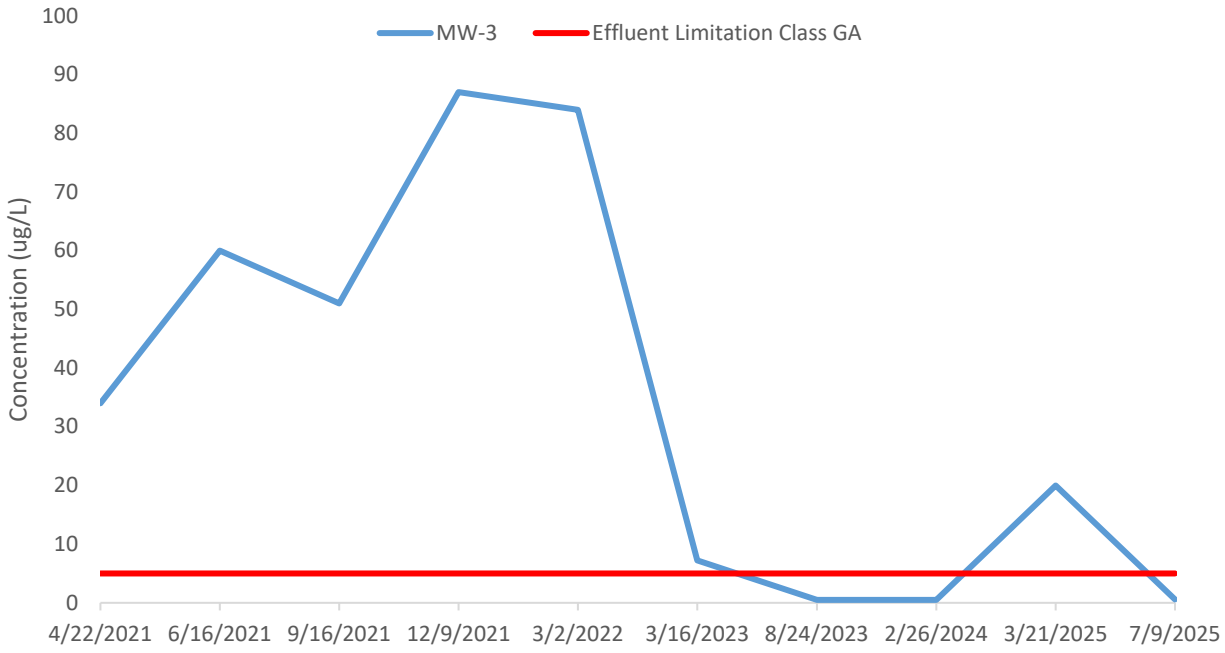
Attachment C:

Trend Graphs

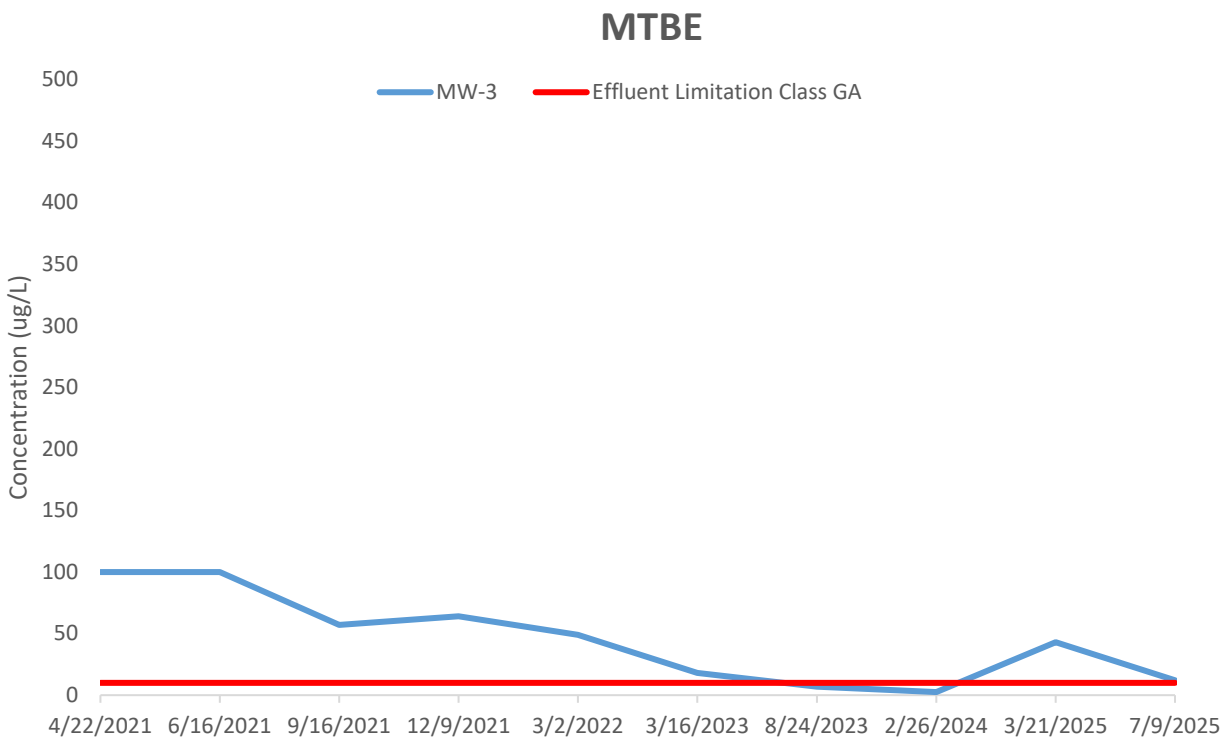
FULL SCALE



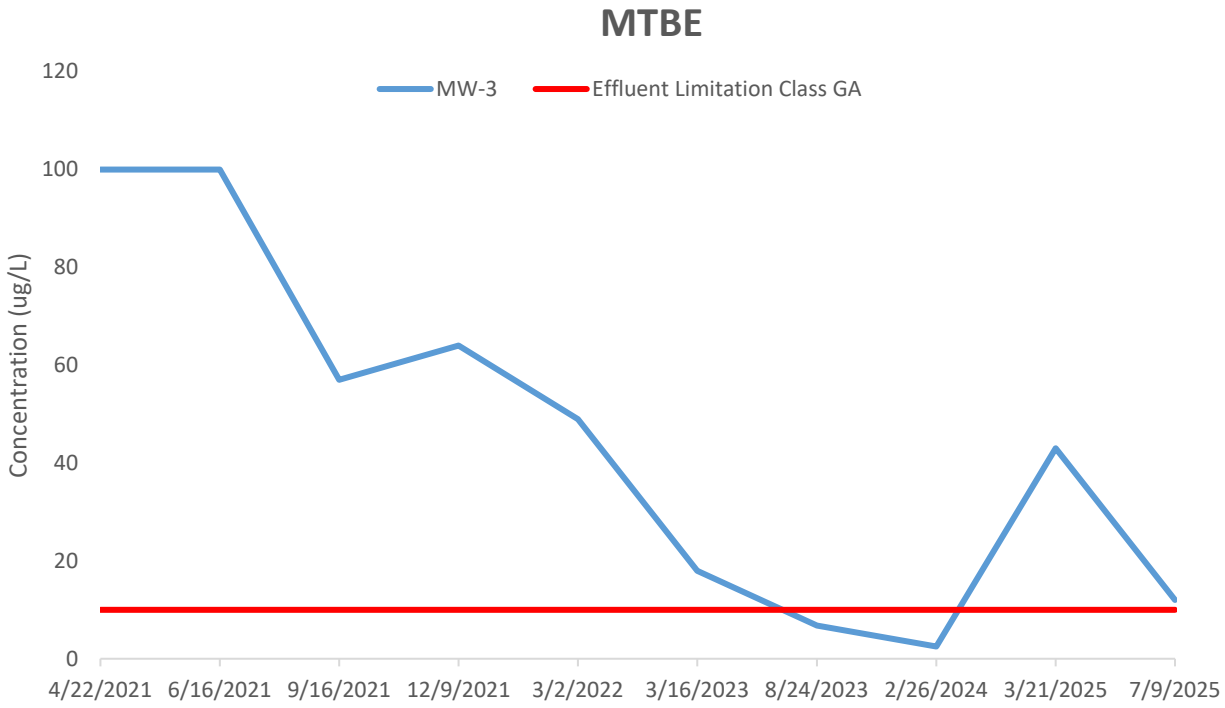
ZOOMED SCALE



FULL SCALE



ZOOMED SCALE



Attachment D:

Laboratory Reports

Pace Analytical Services

Laboratory Code: 11148

SDG Number: L2542892

Table of Contents

Table of Contents

Project Name: 20 GARDEN ST
Project Number: 11672D

Lab Number: L2542892
Report Date: 07/18/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2542892-01	MW-4	WATER	NEW ROCHELLE, NY	07/09/25 11:22	07/09/25
L2542892-02	MW-3	WATER	NEW ROCHELLE, NY	07/09/25 13:10	07/09/25
L2542892-03	FIELD BLANK	WATER	NEW ROCHELLE, NY	07/09/25 14:00	07/09/25
L2542892-04	TRIP BLANK	WATER	NEW ROCHELLE, NY	07/09/25 00:00	07/09/25

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)

Report Submission

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

Sample Receipt

L2542892-02: The Client ID was specified by the client.

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: Caitlin Walukevich Report Date: 07/18/25

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 : L2542892

Account Name : Soils Engineering Services, Inc.
Project Number : 11672D
Project Name : 20 GARDEN ST

Received : 09-JUL-2025
Reviewer : Julie Convery

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	3.0	

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? Following containers were received with headspace: -01B, -01C	**NO**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NO**

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Jul 18 2025, 03:29 pm

Login Number: L2542892
Account: SESI Soils Engineering Services, Inc.Project: 11672D
Received: 09JUL25 Due Date: 18JUL25

Sample #	Client ID	Mat	PR	Collected
L2542892-01	MW-4	1 S0	09JUL25	11:22

8260: TICs needed (unless short list) 8270: TICs needed (unless short list) ASP-B Package Due Date: 07/18/25

ASP-B,NYTCL-8260

Sample #	Client ID	Mat	PR	Collected
L2542892-02	MW-3	1 S0	09JUL25	13:10

8260: TICs needed (unless short list) 8270: TICs needed (unless short list) Package Due Date: 07/18/25

NYTCL-8260

Sample #	Client ID	Mat	PR	Collected
L2542892-03	FIELD BLANK	1 S0	09JUL25	14:00

8260: TICs needed (unless short list) 8270: TICs needed (unless short list) Package Due Date: 07/18/25

NYTCL-8260

Sample #	Client ID	Mat	PR	Collected
L2542892-04	TRIP BLANK	1 S0	09JUL25	00:00

8260: TICs needed (unless short list) 8270: TICs needed (unless short list) Package Due Date: 07/18/25

NYTCL-8260

Logged By: Julie Convery

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 7/10/25

ALPHA Job #: L2542892

Client Information
Client: SESI
Address: 959 US 46E
Parsippany, NJ
Phone: 862-702-5728
Fax:
Email: ssg@sesi.org

Project Information
Project Name: 20 Garden St
Project Location: New Rochelle, NY
Project #: 11672D
(Use Project name as Project #) ☐
Project Manager: Steve Gustems
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☒ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
TCL VOCs

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	Total Bottle	Sample Specific Comments
42892 01	MW-4	7/9/25	11:22		ET	X	3	
02	MW-3S	7/9/25	1:10		ET	X	3	
03	field blank	7/9/25	2:00		ET	X	3	
04	trip blank	7/9/25				X	2	

Container Type: V
Preservative: A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Elisa Tarbell	7/9/25 4:30	Ian Zaccardi	7/9/25 16:30
Ian Zaccardi	7/9/25 2000	NJSC	7/9/25 2000
Anthony Green		Anthony Green	JUL 09 2025 21:30
Anthony Green	7/10-0755		07/10/25 04:30

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Organics

GC/MS 8260
Analysis

Volatiles QC Summary

Surrogate Recovery Summary
Form 2
Volatiles

Client: Soils Engineering Services, Inc.
Project Name: 20 GARDEN ST

Lab Number: L2542892
Project Number: 11672D
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
MW-4 (L2542892-01)	110	101	102	100	0
MW-3 (L2542892-02)	112	95	100	102	0
FIELD BLANK (L2542892-03)	111	100	101	100	0
TRIP BLANK (L2542892-04)	114	100	104	100	0
WG2091404-3LCS	110	102	105	98	0
WG2091404-4LCSD	112	103	108	98	0
WG2091404-5BLANK	108	100	107	98	0

QC LIMITS

(70-130) DCA = 1,2-DICHLOROETHANE-D4
(70-130) TOL = TOLUENE-D8
(70-130) BFB = 4-BROMOFLUOROBENZENE
(70-130) DBFM = DIBROMOFLUOROMETHANE

*** Values outside of QC limits**

FORM II NYTCL-8260

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2542892
Project Name	: 20 GARDEN ST	**Project Number**	: 11672D
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2091404-3 **Analysis Date** : 07/15/25 07:15	**File ID**	: VG250715A01
LCSD Sample ID	: WG2091404-4 **Analysis Date** : 07/15/25 07:42	**File ID**	: VG250715A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	10	100	10	9.6	96	4	70-130	20
1,1-Dichloroethane	10	12	120	10	11	110	9	70-130	20
Chloroform	10	10	100	10	9.9	99	1	70-130	20
Carbon tetrachloride	10	9.6	96	10	8.7	87	10	63-132	20
1,2-Dichloropropane	10	11	110	10	11	110	0	70-130	20
Dibromochloromethane	10	8.7	87	10	8.7	87	0	63-130	20
1,1,2-Trichloroethane	10	9.8	98	10	9.8	98	0	70-130	20
Tetrachloroethene	10	9.4	94	10	8.5	85	10	70-130	20
Chlorobenzene	10	10	100	10	9.8	98	2	75-130	20
Trichlorofluoromethane	10	10	100	10	8.5	85	16	62-150	20
1,2-Dichloroethane	10	10	100	10	10	100	0	70-130	20
1,1,1-Trichloroethane	10	10	100	10	9.4	94	6	67-130	20
Bromodichloromethane	10	10	100	10	9.5	95	5	67-130	20
trans-1,3-Dichloropropene	10	9.4	94	10	9.5	95	1	70-130	20
cis-1,3-Dichloropropene	10	9.8	98	10	9.6	96	2	70-130	20
1,1-Dichloropropene	10	10	100	10	9.8	98	2	70-130	20
Bromoform	10	7.8	78	10	8.4	84	7	54-136	20
1,1,2,2-Tetrachloroethane	10	9.5	95	10	10	100	5	67-130	20
Benzene	10	11	110	10	10	100	10	70-130	20
Toluene	10	11	110	10	10	100	10	70-130	20
Ethylbenzene	10	10	100	10	9.8	98	2	70-130	20
Chloromethane	10	12	120	10	11	110	9	64-130	20
Bromomethane	10	6.3	63	10	5.5	55	14	39-139	20
Vinyl chloride	10	12	120	10	10	100	18	55-140	20
Chloroethane	10	9.5	95	10	8.4	84	12	55-138	20
1,1-Dichloroethene	10	9.8	98	10	9.4	94	4	61-145	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2542892
Project Name	: 20 GARDEN ST	**Project Number**	: 11672D
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2091404-3 **Analysis Date** : 07/15/25 07:15	**File ID**	: VG250715A01
LCSD Sample ID	: WG2091404-4 **Analysis Date** : 07/15/25 07:42	**File ID**	: VG250715A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	10	10	100	10	9.8	98	2	70-130	20
Trichloroethene	10	10	100	10	9.7	97	3	70-130	20
1,2-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,3-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,4-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
Methyl tert butyl ether	10	8.4	84	10	9.0	90	7	63-130	20
p/m-Xylene	20	20	100	20	19	95	5	70-130	20
o-Xylene	20	20	100	20	19	95	5	70-130	20
cis-1,2-Dichloroethene	10	10	100	10	9.6	96	4	70-130	20
Dibromomethane	10	9.1	91	10	9.3	93	2	70-130	20
1,2,3-Trichloropropane	10	9.5	95	10	11	110	15	64-130	20
Acrylonitrile	10	9.5	95	10	11	110	15	70-130	20
Styrene	20	20	100	20	19	95	5	70-130	20
Dichlorodifluoromethane	10	9.9	99	10	9.0	90	10	36-147	20
Acetone	10	8.6	86	10	10	100	15	58-148	20
Carbon disulfide	10	11	110	10	10	100	10	51-130	20
2-Butanone	10	7.8	78	10	10	100	25 Q	63-138	20
Vinyl acetate	10	9.9	99	10	10	100	1	70-130	20
4-Methyl-2-pentanone	10	8.3	83	10	9.1	91	9	59-130	20
2-Hexanone	10	8.1	81	10	9.6	96	17	57-130	20
Bromochloromethane	10	9.8	98	10	9.2	92	6	70-130	20
2,2-Dichloropropane	10	10	100	10	9.6	96	4	63-133	20
1,2-Dibromoethane	10	8.9	89	10	9.3	93	4	70-130	20
1,3-Dichloropropane	10	10	100	10	10	100	0	70-130	20
1,1,1,2-Tetrachloroethane	10	9.3	93	10	8.9	89	4	64-130	20
Bromobenzene	10	9.9	99	10	9.8	98	1	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2542892
Project Name	: 20 GARDEN ST	**Project Number**	: 11672D
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2091404-3 **Analysis Date** : 07/15/25 07:15	**File ID**	: VG250715A01
LCSD Sample ID	: WG2091404-4 **Analysis Date** : 07/15/25 07:42	**File ID**	: VG250715A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
n-Butylbenzene	10	11	110	10	11	110	0	53-136	20
sec-Butylbenzene	10	11	110	10	10	100	10	70-130	20
tert-Butylbenzene	10	10	100	10	9.9	99	1	70-130	20
o-Chlorotoluene	10	11	110	10	11	110	0	70-130	20
p-Chlorotoluene	10	11	110	10	11	110	0	70-130	20
1,2-Dibromo-3-chloropropane	10	7.0	70	10	8.5	85	19	41-144	20
Hexachlorobutadiene	10	8.5	85	10	8.9	89	5	63-130	20
Isopropylbenzene	10	10	100	10	10	100	0	70-130	20
p-Isopropyltoluene	10	10	100	10	10	100	0	70-130	20
Naphthalene	10	6.7	67 Q	10	7.9	79	16	70-130	20
n-Propylbenzene	10	11	110	10	11	110	0	69-130	20
1,2,3-Trichlorobenzene	10	7.3	73	10	8.3	83	13	70-130	20
1,2,4-Trichlorobenzene	10	8.2	82	10	8.7	87	6	70-130	20
1,3,5-Trimethylbenzene	10	11	110	10	10	100	10	64-130	20
1,2,4-Trimethylbenzene	10	11	110	10	10	100	10	70-130	20
1,4-Dioxane	500	350	70	500	410	82	16	56-162	20
p-Diethylbenzene	10	10	100	10	10	100	0	70-130	20
p-Ethyltoluene	10	11	110	10	10	100	10	70-130	20
1,2,4,5-Tetramethylbenzene	10	9.3	93	10	9.2	92	1	70-130	20
Ethyl ether	10	9.5	95	10	10	100	5	59-134	20
trans-1,4-Dichloro-2-butene	10	8.9	89	10	10	100	12	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2542892
Project Name	: 20 GARDEN ST	**Project Number**	: 11672D
Lab Sample ID	: WG2091404-5	**Lab File ID**	: VG250715A07
Instrument ID	: GONZO		
Matrix	: WATER	**Analysis Date**	: 07/15/25 09:54

Client Sample No.	Lab Sample ID	Analysis Date
WG2091404-3LCS	WG2091404-3	07/15/25 07:15
WG2091404-4LCSD	WG2091404-4	07/15/25 07:42
MW-4	L2542892-01	07/15/25 16:10
MW-3	L2542892-02	07/15/25 16:37
FIELD BLANK	L2542892-03	07/15/25 17:04
TRIP BLANK	L2542892-04	07/15/25 17:32

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

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2542892
Project Name	: 20 GARDEN ST	**Project Number**	: 11672D
Instrument ID	: GONZO	**Analysis Date**	: 06/19/25 23:16
Tune Standard	: WG2081469-1	**Tune File ID**	: VG250619NBF01_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	16.8
75	30.0 - 80.0% of mass 95	45.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (.8)1
174	Greater than 50.0% of mass 95	87.3
175	5.0 - 9.0% of mass 174	7 (8)1
176	Greater than 95.0% but less than 101% of mass	84 (96.2)1
177	5.0 - 9.0% of mass 176	5.7 (6.8)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
STD0.19PPB	R1979280-1	VG250619N04	06/20/25 01:35
STD0.5PPB	R1979280-2	VG250619N06	06/20/25 02:28
STD2PPB	R1979280-3	VG250619N08	06/20/25 03:21
STD10PPB	R1979280-4	VG250619N10	06/20/25 04:15
STD30PPB	R1979280-5	VG250619N11	06/20/25 04:41
STD80PPB	R1979280-7	VG250619N12	06/20/25 05:08
STD120PPB	R1979280-6	VG250619N13	06/20/25 05:34
STD200PPB	R1979280-8	VG250619N14	06/20/25 06:01
Correlation Data Summary	R1979280-9	VG250619N19	06/20/25 08:14
ICV Quant Report	R1979280-9	VG250619N19	06/20/25 08:14

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

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2542892
Project Name	: 20 GARDEN ST	**Project Number**	: 11672D
Instrument ID	: GONZO	**Analysis Date**	: 07/15/25 07:02
Tune Standard	: WG2091404-1	**Tune File ID**	: VG250715ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 80.0% of mass 95	48
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.7 (.8)1
174	Greater than 50.0% of mass 95	79.7
175	5.0 - 9.0% of mass 174	6.1 (7.6)1
176	Greater than 95.0% but less than 101% of mass	77.6 (97.4)1
177	5.0 - 9.0% of mass 176	4.8 (6.2)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
WG2091404-2CCAL	WG2091404-2	VG250715A01	07/15/25 07:15
WG2091404-3LCS	WG2091404-3	VG250715A01	07/15/25 07:15
WG2091404-4LCSD	WG2091404-4	VG250715A02	07/15/25 07:42
WG2091404-5BLANK	WG2091404-5	VG250715A07	07/15/25 09:54
MW-4	L2542892-01	VG250715A21	07/15/25 16:10
MW-3	L2542892-02	VG250715A22	07/15/25 16:37
FIELD BLANK	L2542892-03	VG250715A23	07/15/25 17:04
TRIP BLANK	L2542892-04	VG250715A24	07/15/25 17:32

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2542892
Project Name	: 20 GARDEN ST	**Project Number**	: 11672D
Instrument ID	: GONZO	**Analysis Date**	: 07/15/25 07:15:00
Sample No	: WG2091404-2	**Lab File ID**	: VG250715A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2091404-2	741901	5.95	574539	9.48	311419	12.20
Upper Limit	1483802	6.45	1149078	9.98	622838	12.70
Lower Limit	370951	5.45	287270	8.98	155710	11.70
Sample ID						
WG2091404-3 LCS	741901	5.95	574539	9.48	311419	12.20
WG2091404-4 LCSD	685911	5.95	525230	9.48	277972	12.20
WG2091404-5 BLANK	667674	5.96	501151	9.48	255034	12.20
MW-4	606246	5.96	451051	9.49	232246	12.21
MW-3	602983	5.96	449897	9.48	237384	12.21
FIELD BLANK	601905	5.96	450572	9.49	231728	12.21
TRIP BLANK	593046	5.96	450509	9.49	229259	12.21

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Date Created: 04/17/25
Created By: Jason Hebert
File: PM19302-1
Page: 1

Volatile Organics - EPA 8260D (WATER)

Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	3	0.678	ug/l	70-130	20	70-130	20	20			
1,1-Dichloroethane	75-34-3	0.75	0.21	ug/l	70-130	20	70-130	20	20			
Chloroform	67-66-3	0.75	0.222	ug/l	70-130	20	70-130	20	20			
Carbon tetrachloride	56-23-5	0.5	0.134	ug/l	63-132	20	63-132	20	20			
1,2-Dichloropropane	78-87-5	1.75	0.137	ug/l	70-130	20	70-130	20	20			
Dibromochloromethane	124-48-1	0.5	0.149	ug/l	63-130	20	63-130	20	20			
1,1,2-Trichloroethane	79-00-5	0.75	0.144	ug/l	70-130	20	70-130	20	20			
Tetrachloroethene	127-18-4	0.5	0.181	ug/l	70-130	20	70-130	20	20			
Chlorobenzene	108-90-7	0.5	0.178	ug/l	75-130	25	75-130	25	25			
Trichlorofluoromethane	75-69-4	2.5	0.161	ug/l	62-150	20	62-150	20	20			
1,2-Dichloroethane	107-06-2	0.5	0.132	ug/l	70-130	20	70-130	20	20			
1,1,1-Trichloroethane	71-55-6	0.5	0.158	ug/l	67-130	20	67-130	20	20			
Bromodichloromethane	75-27-4	0.5	0.192	ug/l	67-130	20	67-130	20	20			
trans-1,3-Dichloropropene	10061-02-6	0.5	0.164	ug/l	70-130	20	70-130	20	20			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.144	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,1-Dichloropropene	563-58-6	2.5	0.24	ug/l	70-130	20	70-130	20	20			
Bromoform	75-25-2	2	0.248	ug/l	54-136	20	54-136	20	20			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.167	ug/l	67-130	20	67-130	20	20			
Benzene	71-43-2	0.5	0.159	ug/l	70-130	25	70-130	25	25			
Toluene	108-88-3	0.75	0.203	ug/l	70-130	25	70-130	25	25			
Ethylbenzene	100-41-4	0.5	0.167	ug/l	70-130	20	70-130	20	20			
Chloromethane	74-87-3	2.5	0.2	ug/l	64-130	20	64-130	20	20			
Bromomethane	74-83-9	1	0.256	ug/l	39-139	20	39-139	20	20			
Vinyl chloride	75-01-4	1	0.0714	ug/l	55-140	20	55-140	20	20			
Chloroethane	75-00-3	1	0.134	ug/l	55-138	20	55-138	20	20			
1,1-Dichloroethene	75-35-4	0.5	0.169	ug/l	61-145	25	61-145	25	25			
trans-1,2-Dichloroethene	156-60-5	0.75	0.163	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l				20	20			
Trichloroethene	79-01-6	0.5	0.175	ug/l	70-130	25	70-130	25	25			
1,2-Dichlorobenzene	95-50-1	2.5	0.184	ug/l	70-130	20	70-130	20	20			
1,3-Dichlorobenzene	541-73-1	2.5	0.186	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobenzene	106-46-7	2.5	0.187	ug/l	70-130	20	70-130	20	20			
Methyl tert butyl ether	1634-04-4	1	0.166	ug/l	63-130	20	63-130	20	20			
p/m-Xylene	179601-23-1	1	0.332	ug/l	70-130	20	70-130	20	20			
o-Xylene	95-47-6	1	0.392	ug/l	70-130	20	70-130	20	20			
Xylene (Total)	1330-20-7	1	0.33	ug/l				20	20			
cis-1,2-Dichloroethene	156-59-2	0.5	0.187	ug/l	70-130	20	70-130	20	20			
Dibromomethane	74-95-3	5	0.363	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobutane	110-56-5	5	0.464	ug/l	70-130	20	70-130	20	20			
1,2,3-Trichloropropane	96-18-4	5	0.176	ug/l	64-130	20	64-130	20	20			
Styrene	100-42-5	1	0.359	ug/l	70-130	20	70-130	20	20			

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

Volatile Organics - EPA 8260D (WATER)

Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dichlorodifluoromethane	75-71-8	5	0.244	ug/l	36-147	20	36-147	20	20			
Acetone	67-64-1	5	1.46	ug/l	58-148	20	58-148	20	20			
Carbon disulfide	75-15-0	5	0.299	ug/l	51-130	20	51-130	20	20			
2-Butanone	78-93-3	5	1.94	ug/l	63-138	20	63-138	20	20			
Vinyl acetate	108-05-4	5	0.311	ug/l	70-130	20	70-130	20	20			
4-Methyl-2-pentanone	108-10-1	5	0.416	ug/l	59-130	20	59-130	20	20			
2-Hexanone	591-78-6	5	0.515	ug/l	57-130	20	57-130	20	20			
Ethyl methacrylate	97-63-2	5	0.606	ug/l	70-130	20	70-130	20	20			
Acrylonitrile	107-13-1	5	0.43	ug/l	70-130	20	70-130	20	20			
Bromochloromethane	74-97-5	2.5	0.152	ug/l	70-130	20	70-130	20	20			
Tetrahydrofuran	109-99-9	5	0.525	ug/l	58-130	20	58-130	20	20			
2,2-Dichloropropane	594-20-7	2.5	0.204	ug/l	63-133	20	63-133	20	20			
1,2-Dibromoethane	106-93-4	2	0.193	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropane	142-28-9	2.5	0.212	ug/l	70-130	20	70-130	20	20			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.164	ug/l	64-130	20	64-130	20	20			
Bromobenzene	108-86-1	2.5	0.152	ug/l	70-130	20	70-130	20	20			
n-Butylbenzene	104-51-8	0.5	0.192	ug/l	53-136	20	53-136	20	20			
sec-Butylbenzene	135-98-8	0.5	0.181	ug/l	70-130	20	70-130	20	20			
tert-Butylbenzene	98-06-6	2.5	0.196	ug/l	70-130	20	70-130	20	20			
o-Chlorotoluene	95-49-8	2.5	0.215	ug/l	70-130	20	70-130	20	20			
p-Chlorotoluene	106-43-4	2.5	0.185	ug/l	70-130	20	70-130	20	20			
1,2-Dibromo-3-chloropropane	96-12-8	2.5	0.353	ug/l	41-144	20	41-144	20	20			
Hexachlorobutadiene	87-68-3	0.5	0.217	ug/l	63-130	20	63-130	20	20			
Isopropylbenzene	98-82-8	0.5	0.187	ug/l	70-130	20	70-130	20	20			
p-Isopropyltoluene	99-87-6	0.5	0.188	ug/l	70-130	20	70-130	20	20			
Naphthalene	91-20-3	2.5	0.216	ug/l	70-130	20	70-130	20	20			
n-Propylbenzene	103-65-1	0.5	0.173	ug/l	69-130	20	69-130	20	20			
1,2,3-Trichlorobenzene	87-61-6	2.5	0.234	ug/l	70-130	20	70-130	20	20			
1,2,4-Trichlorobenzene	120-82-1	2.5	0.22	ug/l	70-130	20	70-130	20	20			
1,3,5-Trimethylbenzene	108-67-8	2.5	0.217	ug/l	64-130	20	64-130	20	20			
1,2,4-Trimethylbenzene	95-63-6	2.5	0.191	ug/l	70-130	20	70-130	20	20			
trans-1,4-Dichloro-2-butene	110-57-6	2.5	0.213	ug/l	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2.5	0.163	ug/l	59-134	20	59-134	20	20			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

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

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	Lab Number	: L2542892
Project Name	: 20 GARDEN ST	Project Number	: 11672D
Lab ID	: L2542892-01	Date Collected	: 07/09/25 11:22
Client ID	: MW-4	Date Received	: 07/09/25
Sample Location	: NEW ROCHELLE, NY	Date Analyzed	: 07/15/25 16:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG250715A21	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	2.1	2.5	0.70	J
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	Lab Number	: L2542892
Project Name	: 20 GARDEN ST	Project Number	: 11672D
Lab ID	: L2542892-01	Date Collected	: 07/09/25 11:22
Client ID	: MW-4	Date Received	: 07/09/25
Sample Location	: NEW ROCHELLE, NY	Date Analyzed	: 07/15/25 16:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG250715A21	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.54	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	9.6	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	Lab Number	: L2542892
Project Name	: 20 GARDEN ST	Project Number	: 11672D
Lab ID	: L2542892-01	Date Collected	: 07/09/25 11:22
Client ID	: MW-4	Date Received	: 07/09/25
Sample Location	: NEW ROCHELLE, NY	Date Analyzed	: 07/15/25 16:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG250715A21	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2542892
Project Name	: 20 GARDEN ST	**Project Number**	: 11672D
Lab ID	: L2542892-01	**Date Collected**	: 07/09/25 11:22
Client ID	: MW-4	**Date Received**	: 07/09/25
Sample Location	: NEW ROCHELLE, NY	**Date Analyzed**	: 07/15/25 16:10
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG250715A21	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2542892
Project Name	: 20 GARDEN ST	**Project Number**	: 11672D
Lab ID	: L2542892-01	**Date Collected**	: 07/09/25 11:22
Client ID	: MW-4	**Date Received**	: 07/09/25
Sample Location	: NEW ROCHELLE, NY	**Date Analyzed**	: 07/15/25 16:10
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG250715A21	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	Lab Number	: L2542892
Project Name	: 20 GARDEN ST	Project Number	: 11672D
Lab ID	: L2542892-02	Date Collected	: 07/09/25 13:10
Client ID	: MW-3	Date Received	: 07/09/25
Sample Location	: NEW ROCHELLE, NY	Date Analyzed	: 07/15/25 16:37
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG250715A22	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	0.48	0.50	0.15	J
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	2.2	2.0	0.65	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	Lab Number	: L2542892
Project Name	: 20 GARDEN ST	Project Number	: 11672D
Lab ID	: L2542892-02	Date Collected	: 07/09/25 13:10
Client ID	: MW-3	Date Received	: 07/09/25
Sample Location	: NEW ROCHELLE, NY	Date Analyzed	: 07/15/25 16:37
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG250715A22	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.55	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	12	2.5	0.17	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	28	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	Lab Number	: L2542892
Project Name	: 20 GARDEN ST	Project Number	: 11672D
Lab ID	: L2542892-02	Date Collected	: 07/09/25 13:10
Client ID	: MW-3	Date Received	: 07/09/25
Sample Location	: NEW ROCHELLE, NY	Date Analyzed	: 07/15/25 16:37
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG250715A22	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2542892
Project Name	: 20 GARDEN ST	**Project Number**	: 11672D
Lab ID	: L2542892-02	**Date Collected**	: 07/09/25 13:10
Client ID	: MW-3	**Date Received**	: 07/09/25
Sample Location	: NEW ROCHELLE, NY	**Date Analyzed**	: 07/15/25 16:37
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG250715A22	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2542892
Project Name	: 20 GARDEN ST	**Project Number**	: 11672D
Lab ID	: L2542892-02	**Date Collected**	: 07/09/25 13:10
Client ID	: MW-3	**Date Received**	: 07/09/25
Sample Location	: NEW ROCHELLE, NY	**Date Analyzed**	: 07/15/25 16:37
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG250715A22	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	Lab Number	: L2542892
Project Name	: 20 GARDEN ST	Project Number	: 11672D
Lab ID	: L2542892-03	Date Collected	: 07/09/25 14:00
Client ID	: FIELD BLANK	Date Received	: 07/09/25
Sample Location	: NEW ROCHELLE, NY	Date Analyzed	: 07/15/25 17:04
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG250715A23	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	Lab Number	: L2542892
Project Name	: 20 GARDEN ST	Project Number	: 11672D
Lab ID	: L2542892-03	Date Collected	: 07/09/25 14:00
Client ID	: FIELD BLANK	Date Received	: 07/09/25
Sample Location	: NEW ROCHELLE, NY	Date Analyzed	: 07/15/25 17:04
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG250715A23	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	Lab Number	: L2542892
Project Name	: 20 GARDEN ST	Project Number	: 11672D
Lab ID	: L2542892-03	Date Collected	: 07/09/25 14:00
Client ID	: FIELD BLANK	Date Received	: 07/09/25
Sample Location	: NEW ROCHELLE, NY	Date Analyzed	: 07/15/25 17:04
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG250715A23	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2542892
Project Name	: 20 GARDEN ST	**Project Number**	: 11672D
Lab ID	: L2542892-03	**Date Collected**	: 07/09/25 14:00
Client ID	: FIELD BLANK	**Date Received**	: 07/09/25
Sample Location	: NEW ROCHELLE, NY	**Date Analyzed**	: 07/15/25 17:04
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG250715A23	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2542892
Project Name	: 20 GARDEN ST	**Project Number**	: 11672D
Lab ID	: L2542892-03	**Date Collected**	: 07/09/25 14:00
Client ID	: FIELD BLANK	**Date Received**	: 07/09/25
Sample Location	: NEW ROCHELLE, NY	**Date Analyzed**	: 07/15/25 17:04
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG250715A23	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	Lab Number	: L2542892
Project Name	: 20 GARDEN ST	Project Number	: 11672D
Lab ID	: L2542892-04	Date Collected	: 07/09/25 00:00
Client ID	: TRIP BLANK	Date Received	: 07/09/25
Sample Location	: NEW ROCHELLE, NY	Date Analyzed	: 07/15/25 17:32
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG250715A24	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	Lab Number	: L2542892
Project Name	: 20 GARDEN ST	Project Number	: 11672D
Lab ID	: L2542892-04	Date Collected	: 07/09/25 00:00
Client ID	: TRIP BLANK	Date Received	: 07/09/25
Sample Location	: NEW ROCHELLE, NY	Date Analyzed	: 07/15/25 17:32
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG250715A24	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	Lab Number	: L2542892
Project Name	: 20 GARDEN ST	Project Number	: 11672D
Lab ID	: L2542892-04	Date Collected	: 07/09/25 00:00
Client ID	: TRIP BLANK	Date Received	: 07/09/25
Sample Location	: NEW ROCHELLE, NY	Date Analyzed	: 07/15/25 17:32
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG250715A24	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2542892
Project Name	: 20 GARDEN ST	**Project Number**	: 11672D
Lab ID	: L2542892-04	**Date Collected**	: 07/09/25 00:00
Client ID	: TRIP BLANK	**Date Received**	: 07/09/25
Sample Location	: NEW ROCHELLE, NY	**Date Analyzed**	: 07/15/25 17:32
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG250715A24	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2542892
Project Name	: 20 GARDEN ST	**Project Number**	: 11672D
Lab ID	: L2542892-04	**Date Collected**	: 07/09/25 00:00
Client ID	: TRIP BLANK	**Date Received**	: 07/09/25
Sample Location	: NEW ROCHELLE, NY	**Date Analyzed**	: 07/15/25 17:32
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG250715A24	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	Lab Number	: L2542892
Project Name	: 20 GARDEN ST	Project Number	: 11672D
Lab ID	: WG2091404-5	Date Collected	: NA
Client ID	: WG2091404-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 07/15/25 09:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VG250715A07	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	Lab Number	: L2542892
Project Name	: 20 GARDEN ST	Project Number	: 11672D
Lab ID	: WG2091404-5	Date Collected	: NA
Client ID	: WG2091404-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 07/15/25 09:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VG250715A07	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	Lab Number	: L2542892
Project Name	: 20 GARDEN ST	Project Number	: 11672D
Lab ID	: WG2091404-5	Date Collected	: NA
Client ID	: WG2091404-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 07/15/25 09:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VG250715A07	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2542892
Project Name	: 20 GARDEN ST	**Project Number**	: 11672D
Lab ID	: WG2091404-5	**Date Collected**	: NA
Client ID	: WG2091404-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 07/15/25 09:54
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG250715A07	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2542892
Project Name	: 20 GARDEN ST	**Project Number**	: 11672D
Lab ID	: WG2091404-5	**Date Collected**	: NA
Client ID	: WG2091404-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 07/15/25 09:54
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG250715A07	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A21.D
Acq On : 15 Jul 2025 4:10 pm
Operator : GONZO:MJV
Sample : L2542892-01,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jul 16 06:19:01 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250715A\VG250715A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.957	96	606246	10.000 ug/L	0.00
Standard Area 1 = 741901			Recovery =	81.72%	
59) Chlorobenzene-d5	9.485	117	451051	10.000 ug/L	0.00
Standard Area 1 = 574539			Recovery =	78.51%	
79) 1,4-Dichlorobenzene-d4	12.205	152	232246	10.000 ug/L	0.00
Standard Area 1 = 311419			Recovery =	74.58%	
System Monitoring Compounds					
36) Dibromofluoromethane	5.157	113	157574	10.013 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.13%	
43) 1,2-Dichloroethane-d4	5.674	65	177706	11.030 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	110.30%	
60) Toluene-d8	7.643	98	564516	10.076 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.76%	
83) 4-Bromofluorobenzene	10.989	95	195166	10.189 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.89%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	0.000		0	N.D. d	
4) Vinyl chloride	2.076	62	88	N.D.	
5) Bromomethane	2.183	94	1321	0.141 ug/L	92
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	2.567	74	69	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.944	76	7374	0.222 ug/L #	90
15) Methylene chloride	3.471	84	2490	0.186 ug/L	90
17) Acetone	3.514	43	24969	9.621 ug/L	94
18) trans-1,2-Dichloroethene	0.000		0	N.D. d	
20) Methyl tert-butyl ether	3.699	73	77	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
25) Acrylonitrile	0.000		0	N.D.	
27) Vinyl acetate	4.389	43	176	N.D.	
28) cis-1,2-Dichloroethene	4.723	96	75	N.D.	
29) 2,2-Dichloropropane	4.794	77	69	N.D.	
30) Bromochloromethane	4.965	128	84	N.D.	
32) Chloroform	4.979	83	45409	2.098 ug/L	96

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A21.D
Acq On : 15 Jul 2025 4:10 pm
Operator : GONZO:MJV
Sample : L2542892-01,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jul 16 06:19:01 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250715A\VG250715A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.	d	
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D.	d	
40) 1,1-Dichloropropene	5.285	75	245	N.D.		
41) Benzene	5.547	78	3720	0.079	ug/L #	79
44) 1,2-Dichloroethane	5.759	62	80	N.D.		
48) Trichloroethene	6.140	95	6937	0.536	ug/L	89
50) Dibromomethane	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.699	92	2686	0.093	ug/L	86
62) 4-Methyl-2-pentanone	8.172	58	1917	0.544	ug/L	83
63) Tetrachloroethene	8.151	166	1014	0.076	ug/L	83
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
70) 1,3-Dichloropropane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	9.160	43	115	N.D.		
73) Chlorobenzene	9.492	112	108	N.D.		
74) Ethylbenzene	9.555	91	1216	N.D.		
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76) p/m Xylene	9.774	106	74	N.D.		
77) o Xylene	10.310	106	121	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	10.388	173	139	N.D.		
82) Isopropylbenzene	10.684	105	103	N.D.		
84) Bromobenzene	0.000		0	N.D.		
85) n-Propylbenzene	11.165	91	94	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
88) 4-Ethyltoluene	11.264	105	67	N.D.		
89) 2-Chlorotoluene	11.335	91	182	N.D.		
90) 1,3,5-Trimethylbenzene	11.293	105	70	N.D.		
91) 1,2,3-Trichloropropane	11.172	75	157	N.D.		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
93) 4-Chlorotoluene	11.335	91	182	N.D.		
94) tert-Butylbenzene	0.000		0	N.D.		

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A21.D
Acq On : 15 Jul 2025 4:10 pm
Operator : GONZO:MJV
Sample : L2542892-01,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jul 16 06:19:01 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250715A\VG250715A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	11.618	105	190	N.D.		
98)	sec-Butylbenzene	0.000		0	N.D.		
99)	p-Isopropyltoluene	12.050	119	868	N.D.		
100)	1,3-Dichlorobenzene	12.219	146	286	N.D.		
101)	1,4-Dichlorobenzene	12.219	146	286	N.D.		
102)	p-Diethylbenzene	12.198	119	71	N.D.		
103)	n-Butylbenzene	12.516	91	152	N.D.		
104)	1,2-Dichlorobenzene	0.000		0	N.D.		
105)	1,2,4,5-Tetramethylben...	0.000		0	N.D.		
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
108)	Hexachlorobutadiene	0.000		0	N.D.		
109)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
110)	Naphthalene	14.370	128	848	N.D.		
111)	1,2,3-Trichlorobenzene	0.000		0	N.D.		

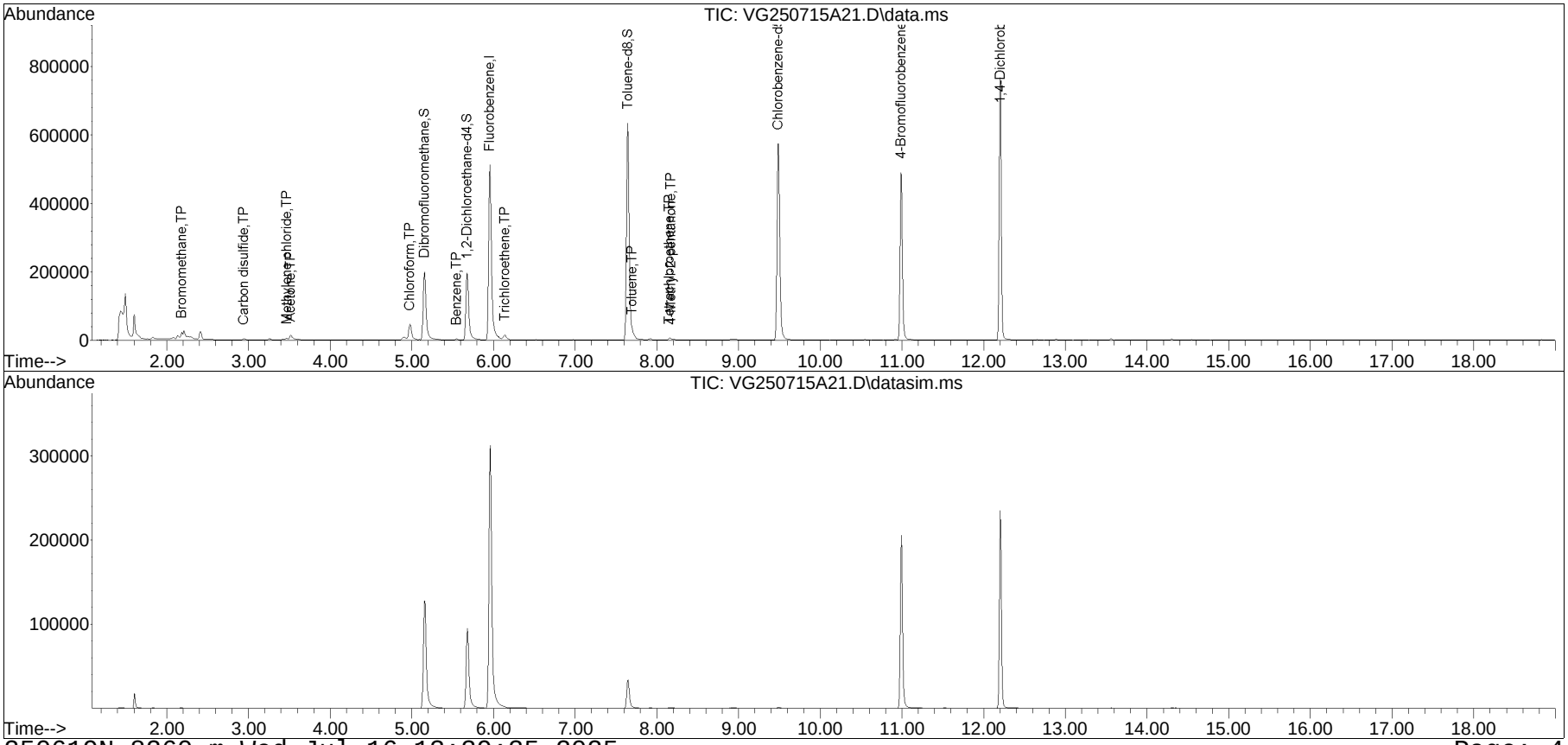
(#) = qualifier out of range (m) = manual integration (+) = signals summed

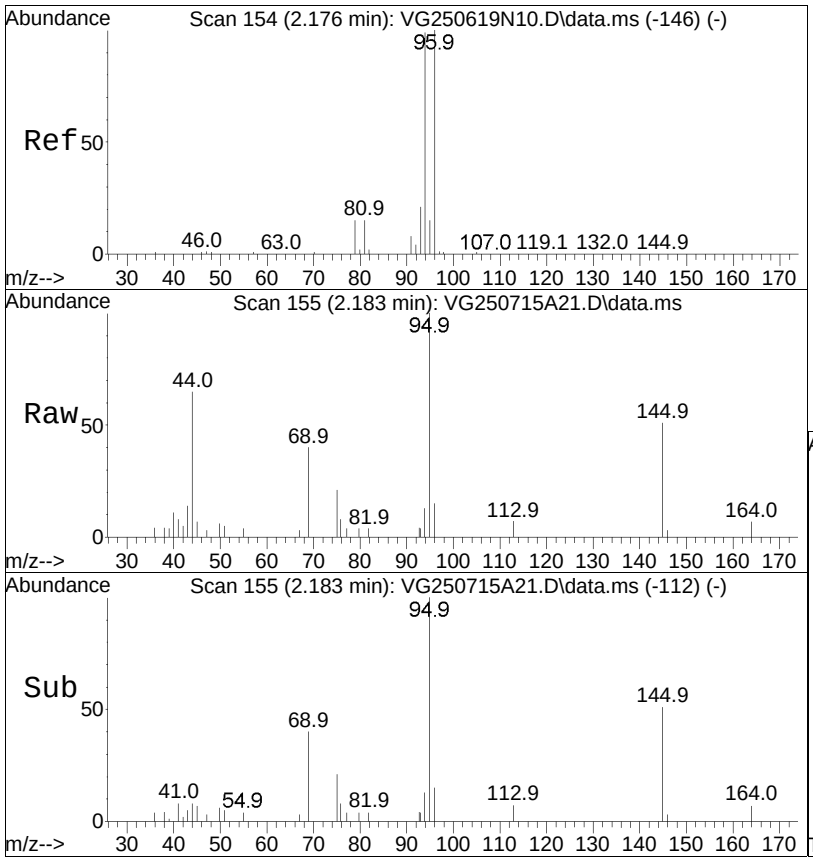
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A21.D
Acq On : 15 Jul 2025 4:10 pm
Operator : GONZO:MJV
Sample : L2542892-01,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jul 16 06:19:01 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox0715A01.D•

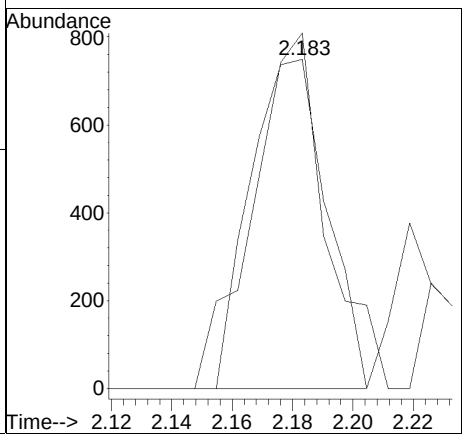


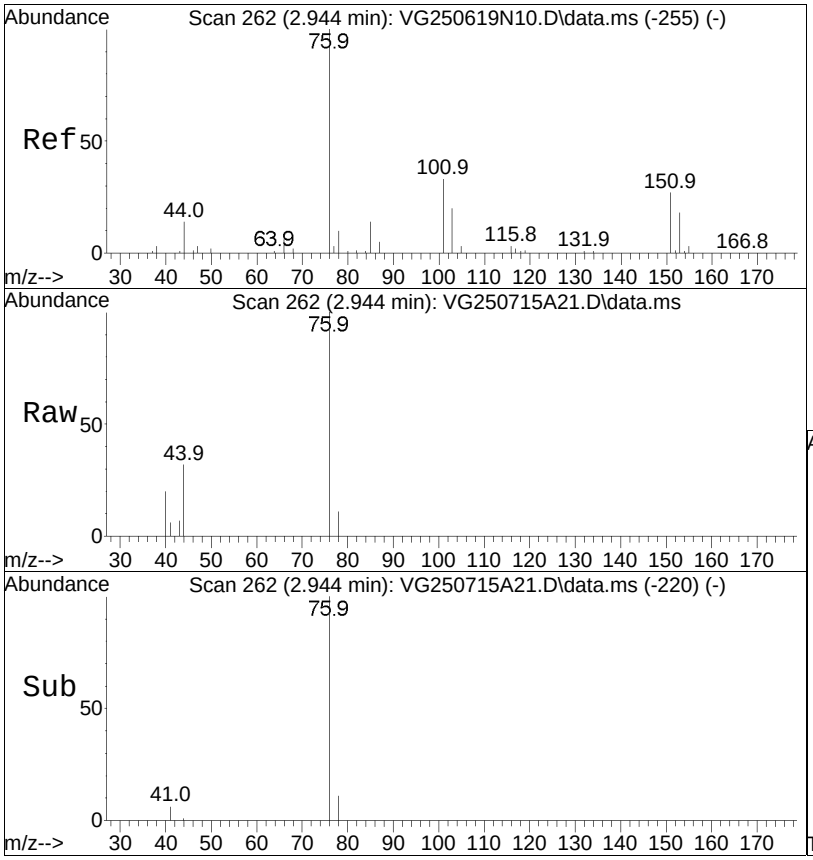


#5
Bromomethane
Concen: 0.14 ug/L
RT: 2.183 min Scan# 155
Delta R.T. 0.007 min
Lab File: VG250715A21.D
Acq: 15 Jul 2025 4:10 pm

Tgt Ion: 94 Resp: 1321

Ion	Ratio	Lower	Upper
94	100		
96	103.2	75.8	115.8

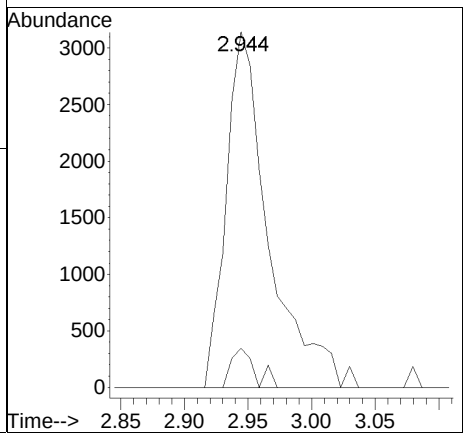


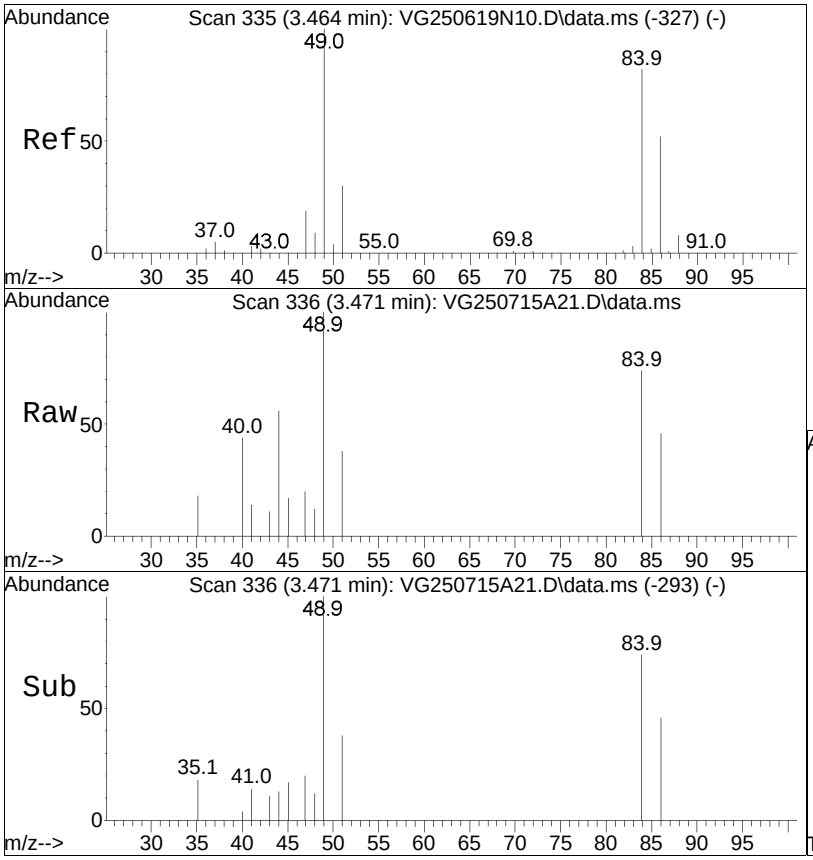


#11
Carbon disulfide
Concen: 0.22 ug/L
RT: 2.944 min Scan# 262
Delta R.T. 0.000 min
Lab File: VG250715A21.D
Acq: 15 Jul 2025 4:10 pm

Tgt Ion: 76 Resp: 7374

Ion	Ratio	Lower	Upper
76	100		
78	6.1	6.3	13.1#

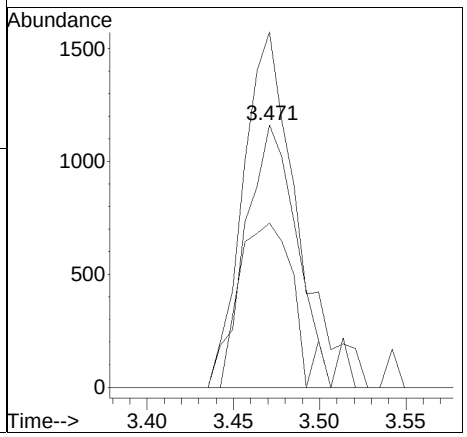


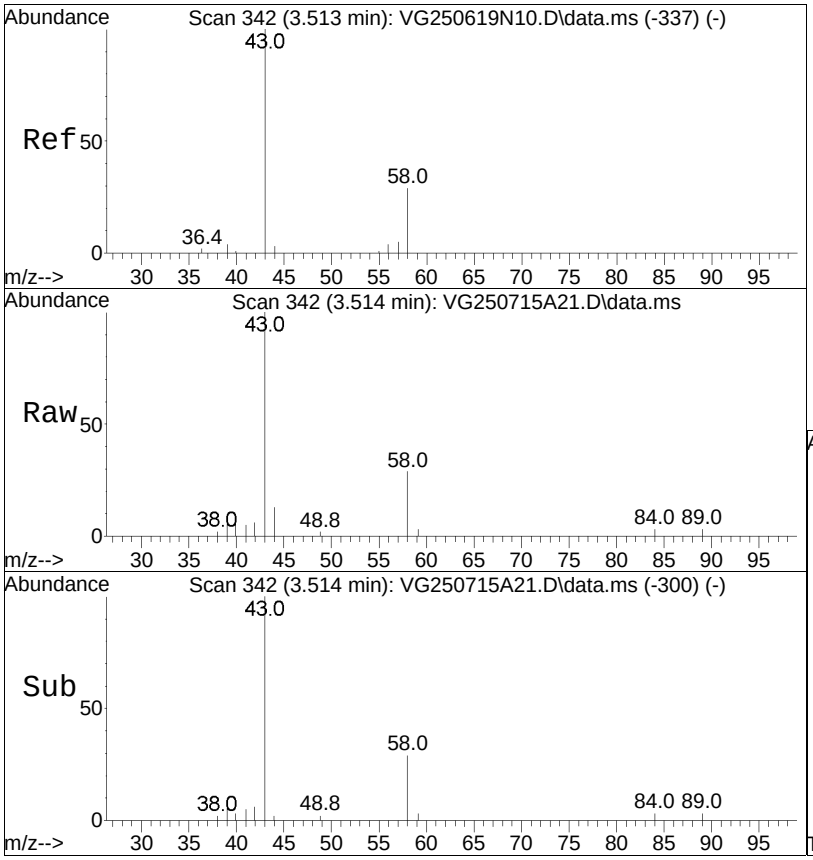


#15
Methylene chloride
Concen: 0.19 ug/L
RT: 3.471 min Scan# 336
Delta R.T. 0.007 min
Lab File: VG250715A21.D
Acq: 15 Jul 2025 4:10 pm

Tgt Ion: 84 Resp: 2490

Ion	Ratio	Lower	Upper
84	100		
86	63.8	41.7	86.7
49	137.9	78.6	163.3

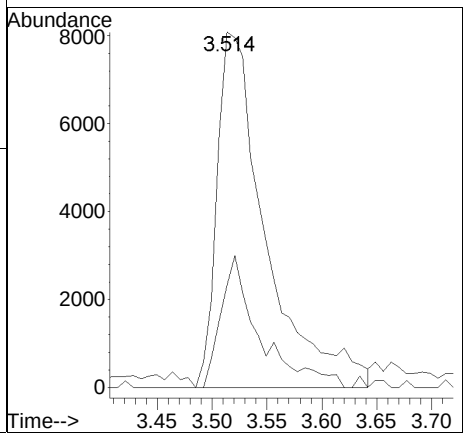


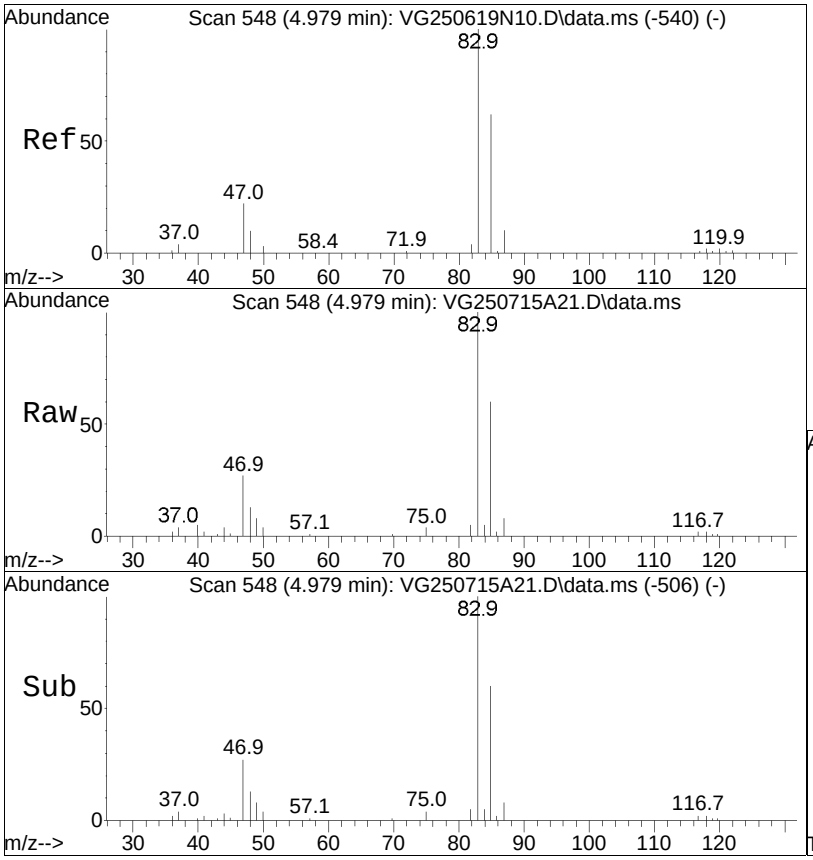


#17
Acetone
Concen: 9.62 ug/L
RT: 3.514 min Scan# 342
Delta R.T. 0.001 min
Lab File: VG250715A21.D
Acq: 15 Jul 2025 4:10 pm

Tgt Ion: 43 Resp: 24969

Ion	Ratio	Lower	Upper
43	100		
58	29.5	26.2	39.2

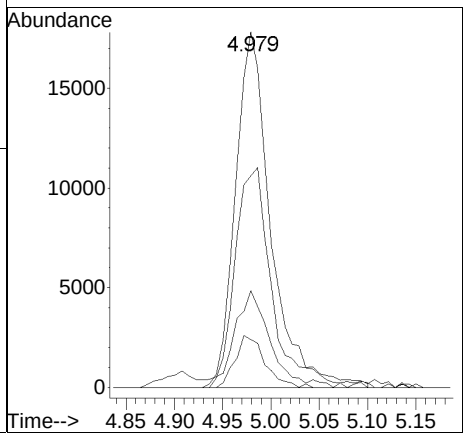


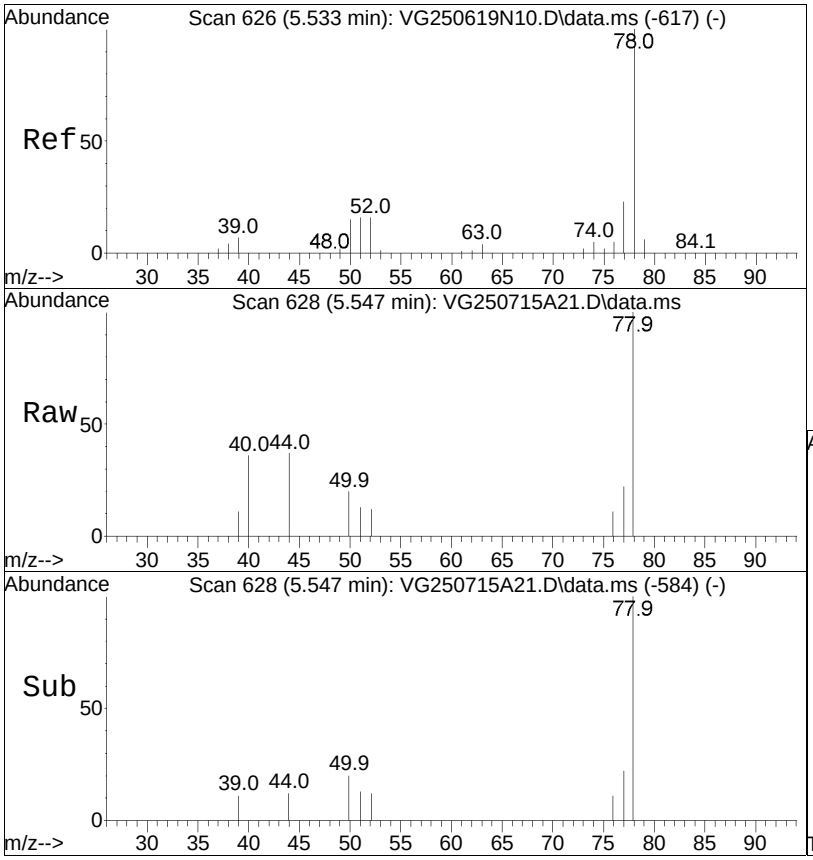


#32
Chloroform
Concen: 2.10 ug/L
RT: 4.979 min Scan# 548
Delta R.T. 0.000 min
Lab File: VG250715A21.D
Acq: 15 Jul 2025 4:10 pm

Tgt Ion: 83 Resp: 45409

Ion	Ratio	Lower	Upper
83	100		
85	63.8	40.8	84.6
47	27.6	13.5	28.1
48	12.2	7.2	15.0

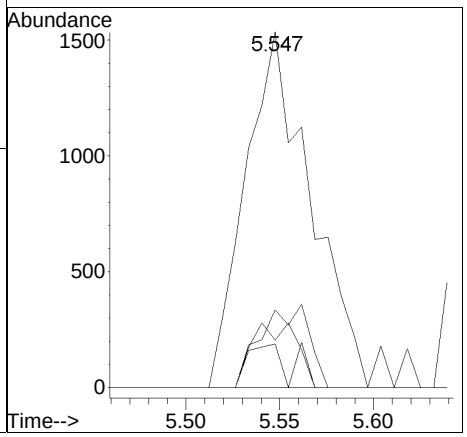


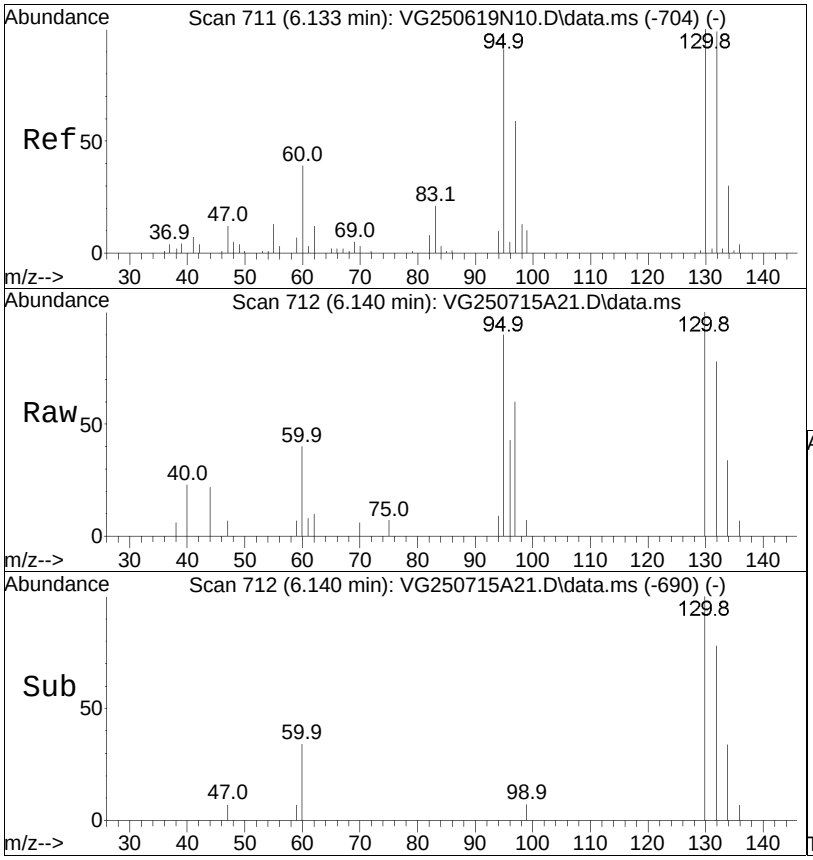


#41
Benzene
Concen: 0.08 ug/L
RT: 5.547 min Scan# 628
Delta R.T. 0.014 min
Lab File: VG250715A21.D
Acq: 15 Jul 2025 4:10 pm

Tgt Ion: 78 Resp: 3720

Ion	Ratio	Lower	Upper
78	100		
77	17.1	15.1	31.3
51	0.0	10.3	21.3#
52	8.2	9.9	20.7#

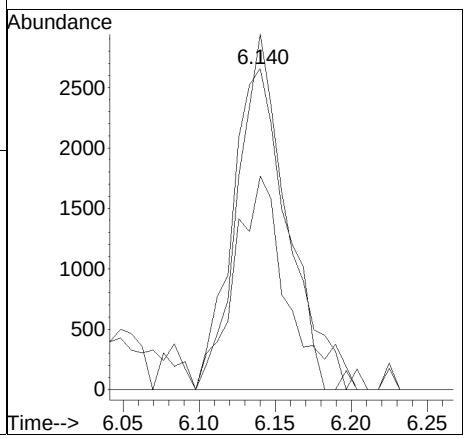


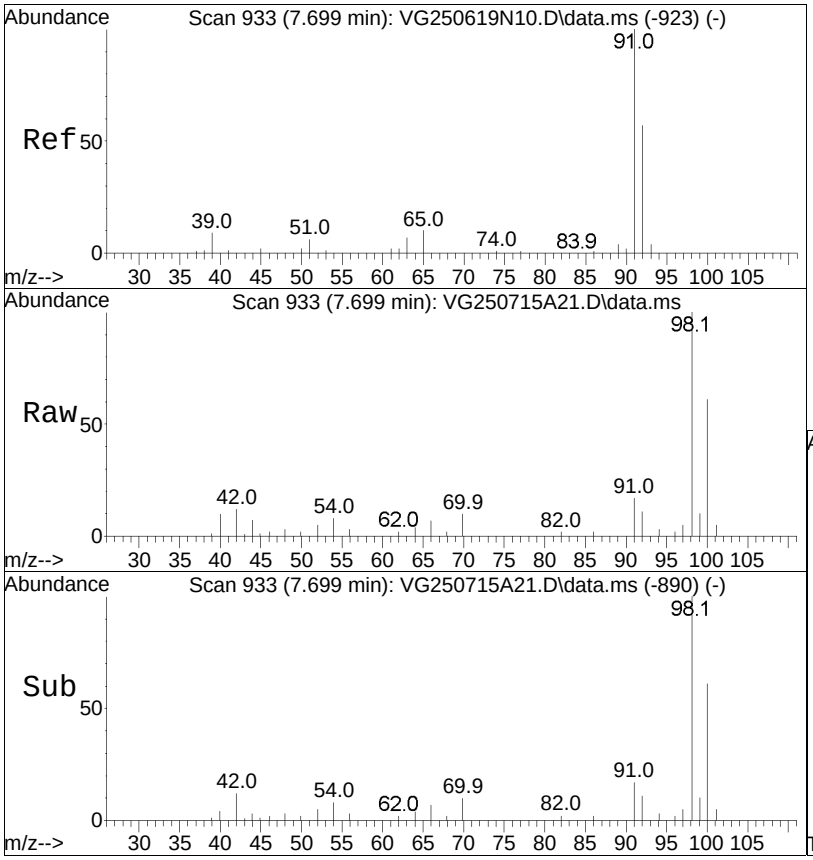


#48
Trichloroethene
Concen: 0.54 ug/L
RT: 6.140 min Scan# 712
Delta R.T. 0.007 min
Lab File: VG250715A21.D
Acq: 15 Jul 2025 4:10 pm

Tgt Ion: 95 Resp: 6937

Ion	Ratio	Lower	Upper
95	100		
97	57.9	53.8	80.6
130	97.0	87.0	130.6

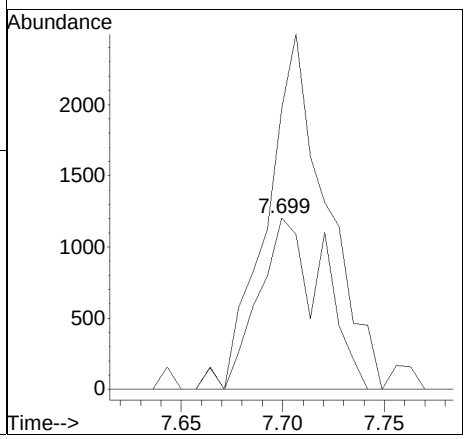


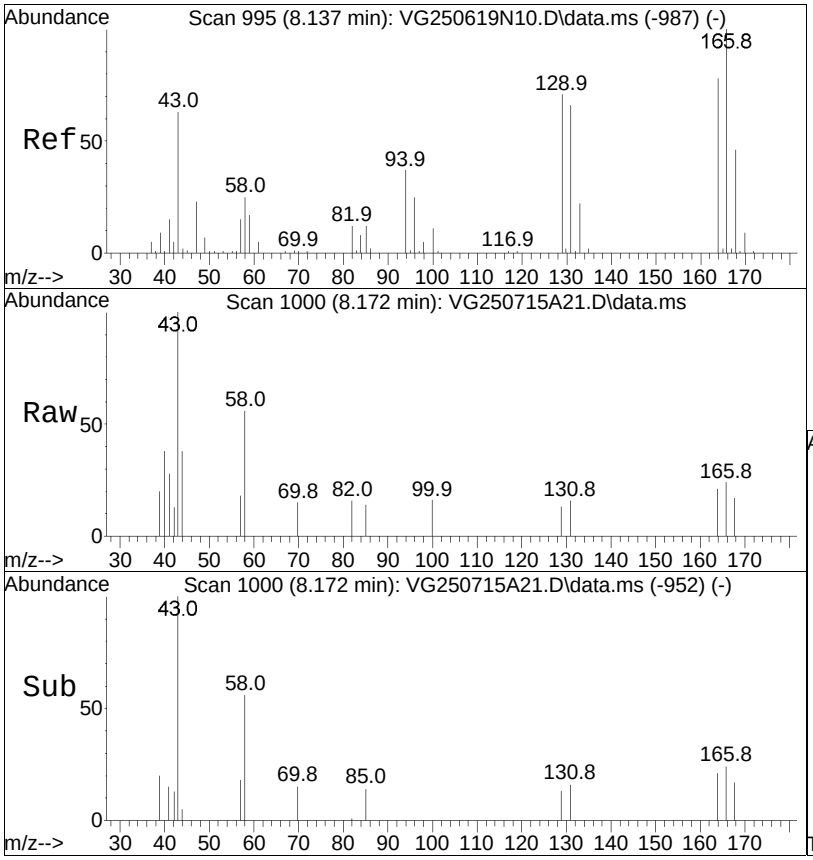


#61
Toluene
Concen: 0.09 ug/L
RT: 7.699 min Scan# 933
Delta R.T. 0.000 min
Lab File: VG250715A21.D
Acq: 15 Jul 2025 4:10 pm

Tgt Ion: 92 Resp: 2686

Ion	Ratio	Lower	Upper
92	100		
91	191.6	138.2	207.2

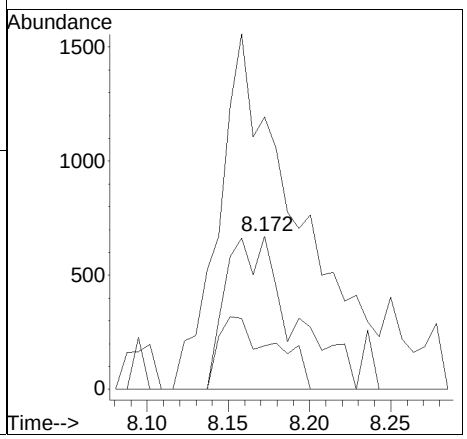


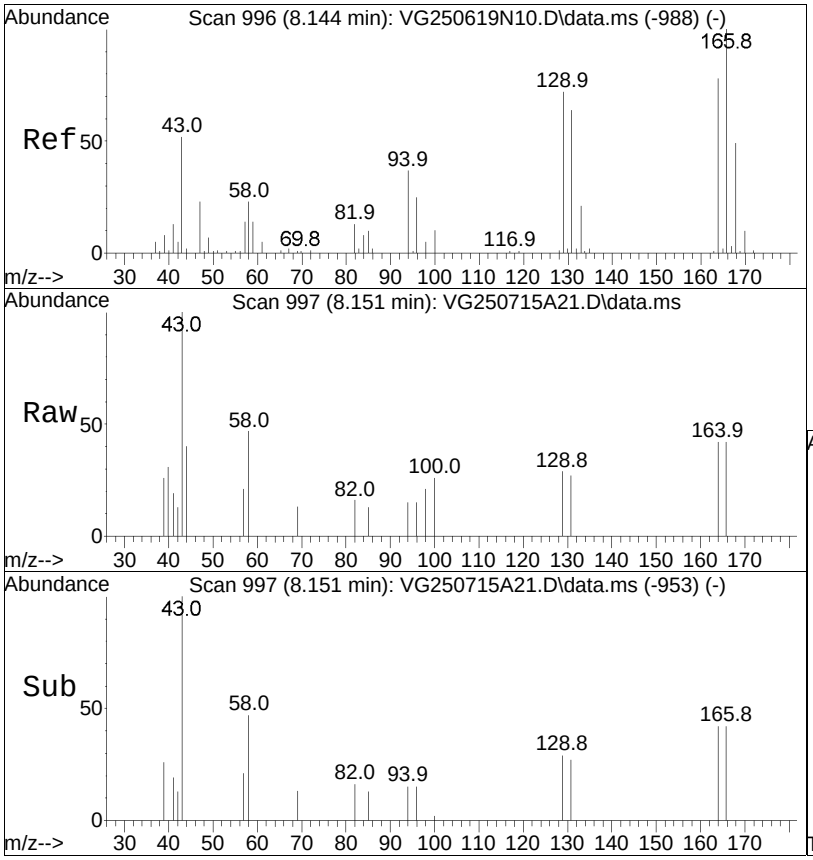


#62
4-Methyl-2-pentanone
Concen: 0.54 ug/L
RT: 8.172 min Scan# 1000
Delta R.T. 0.035 min
Lab File: VG250715A21.D
Acq: 15 Jul 2025 4:10 pm

Tgt Ion: 58 Resp: 1917

Ion	Ratio	Lower	Upper
58	100		
100	39.3	33.9	50.9
43	273.4	193.0	289.6

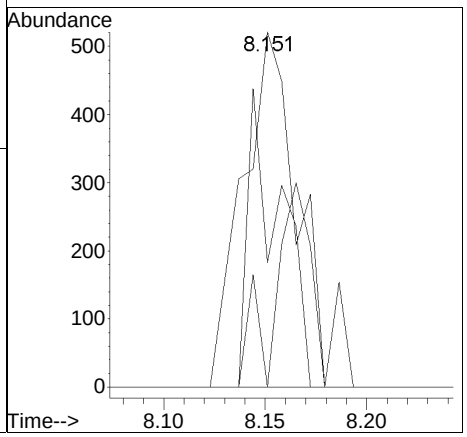




#63
Tetrachloroethene
Concen: 0.08 ug/L
RT: 8.151 min Scan# 997
Delta R.T. 0.007 min
Lab File: VG250715A21.D
Acq: 15 Jul 2025 4:10 pm

Tgt Ion:166 Resp: 1014

Ion	Ratio	Lower	Upper
166	100		
168	36.8	27.6	67.6
94	48.1	16.7	56.7



Manual Integration Report

Data Path	: K:\Gonzo\2025\250715A\	QMethod	: G_250619N_8260.m
Data File	: VG250715A21.D	Operator	: GONZO:MJV
Date Inj'd	: 7/15/2025 4:10 pm	Instrument	: Gonzo
Sample	: L2542892-01,31,10,10,,A	Quant Date	: 7/16/2025 6:09 am

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

LSC Area Percent Report

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A21.D
Acq On : 15 Jul 2025 4:10 pm
Operator : GONZO:MJV
Sample : L2542892-01,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VG250715A21.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.411	182	187	196	rVB	23996	48089	3.21%	0.636%
2	4.979	542	548	561	rVB2	44978	117744	7.85%	1.558%
3	5.157	566	573	598	rVB	198420	498458	33.25%	6.594%
4	5.674	636	646	676	rBV	196408	498913	33.28%	6.600%
5	5.957	678	686	706	rVV	511508	1254452	83.68%	16.595%
6	7.643	916	925	954	rBV	634411	1499150	100.00%	19.832%
7	9.485	1177	1186	1211	rBV	573919	1338126	89.26%	17.702%
8	10.989	1393	1399	1418	rBV	489937	951639	63.48%	12.589%
9	12.205	1563	1571	1589	rBV	767424	1352754	90.23%	17.895%

Sum of corrected areas: 7559325

Signal : TIC: VG250715A21.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

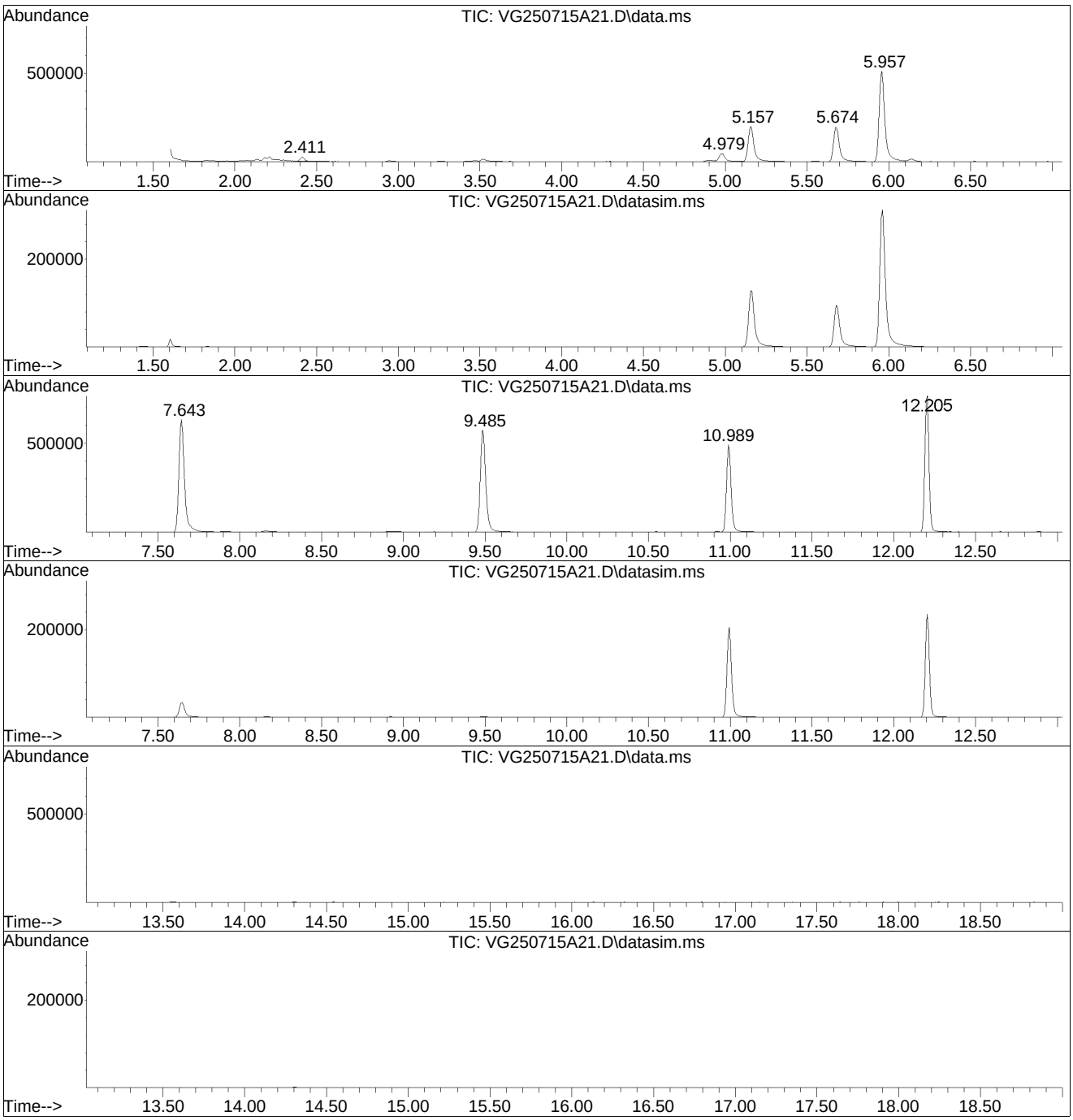
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A21.D
Acq On : 15 Jul 2025 4:10 pm
Operator : GONZO:MJV
Sample : L2542892-01,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A21.D
Acq On : 15 Jul 2025 4:10 pm
Operator : GONZO:MJV
Sample : L2542892-01,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A21.D
Acq On : 15 Jul 2025 4:10 pm
Operator : GONZO:MJV
Sample : L2542892-01,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A22.D
Acq On : 15 Jul 2025 4:37 pm
Operator : GONZO:MJV
Sample : L2542892-02,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 16 06:19:54 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250715A\VG250715A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.957	96	602983	10.000 ug/L	0.00
Standard Area 1 = 741901			Recovery =	81.28%	
59) Chlorobenzene-d5	9.484	117	449897	10.000 ug/L	0.00
Standard Area 1 = 574539			Recovery =	78.31%	
79) 1,4-Dichlorobenzene-d4	12.205	152	237384	10.000 ug/L	0.00
Standard Area 1 = 311419			Recovery =	76.23%	
System Monitoring Compounds					
36) Dibromofluoromethane	5.157	113	159217	10.172 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.72%	
43) 1,2-Dichloroethane-d4	5.681	65	179319	11.190 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	111.90%	
60) Toluene-d8	7.643	98	533438	9.546 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.46%	
83) 4-Bromofluorobenzene	10.988	95	196197	10.021 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.21%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.827	50	8054	0.653 ug/L	95
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.176	94	1835	0.197 ug/L	84
6) Chloroethane	2.275	64	340	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	2.482	74	64	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.951	76	5154	0.156 ug/L	94
15) Methylene chloride	3.464	84	385	N.D.	
17) Acetone	3.513	43	71303	27.623 ug/L	96
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
20) Methyl tert-butyl ether	3.705	73	419339	12.167 ug/L #	90
23) 1,1-Dichloroethane	0.000		0	N.D.	
25) Acrylonitrile	0.000		0	N.D.	
27) Vinyl acetate	4.410	43	250	N.D.	
28) cis-1,2-Dichloroethene	4.730	96	74	N.D.	
29) 2,2-Dichloropropane	4.901	77	140	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
32) Chloroform	4.979	83	4598	0.214 ug/L #	92

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A22.D
Acq On : 15 Jul 2025 4:37 pm
Operator : GONZO:MJV
Sample : L2542892-02,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 16 06:19:54 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250715A\VG250715A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
34) Carbon tetrachloride	5.121	117	72	N.D.	
37) 1,1,1-Trichloroethane	0.000		0	N.D.	
39) 2-Butanone	5.299	43	6767M1	1.732 ug/L	
40) 1,1-Dichloropropene	5.150	75	90	N.D.	
41) Benzene	5.547	78	1168	N.D.	
44) 1,2-Dichloroethane	5.759	62	370	N.D.	
48) Trichloroethene	6.140	95	7105	0.551 ug/L	88
50) Dibromomethane	0.000		0	N.D.	
51) 1,2-Dichloropropane	0.000		0	N.D.	
54) Bromodichloromethane	6.754	83	2244	0.131 ug/L #	87
57) 1,4-Dioxane	0.000		0	N.D.	
58) cis-1,3-Dichloropropene	0.000		0	N.D.	
61) Toluene	7.452	92	69	N.D.	
62) 4-Methyl-2-pentanone	0.000		0	N.D.	
63) Tetrachloroethene	8.158	166	1465	0.110 ug/L	86
65) trans-1,3-Dichloropropene	0.000		0	N.D.	
68) 1,1,2-Trichloroethane	0.000		0	N.D.	
69) Chlorodibromomethane	8.595	129	6558	0.480 ug/L	98
70) 1,3-Dichloropropane	8.581	76	71	N.D.	
71) 1,2-Dibromoethane	0.000		0	N.D.	
72) 2-Hexanone	0.000		0	N.D. d	
73) Chlorobenzene	0.000		0	N.D. d	
74) Ethylbenzene	9.491	91	772	N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.	
76) p/m Xylene	0.000		0	N.D.	
77) o Xylene	0.000		0	N.D.	
78) Styrene	0.000		0	N.D.	
80) Bromoform	10.373	173	20028	2.245 ug/L	97
82) Isopropylbenzene	0.000		0	N.D.	
84) Bromobenzene	0.000		0	N.D.	
85) n-Propylbenzene	10.981	91	543	N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.	
88) 4-Ethyltoluene	0.000		0	N.D.	
89) 2-Chlorotoluene	0.000		0	N.D.	
90) 1,3,5-Trimethylbenzene	0.000		0	N.D.	
91) 1,2,3-Trichloropropane	11.399	75	72	N.D.	
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.	
93) 4-Chlorotoluene	11.653	91	73	N.D.	
94) tert-Butylbenzene	0.000		0	N.D.	

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A22.D
Acq On : 15 Jul 2025 4:37 pm
Operator : GONZO:MJV
Sample : L2542892-02,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 16 06:19:54 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250715A\VG250715A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	0.000		0		N.D.	
98)	sec-Butylbenzene	0.000		0		N.D.	
99)	p-Isopropyltoluene	0.000		0		N.D.	
100)	1,3-Dichlorobenzene	12.219	146	67		N.D.	
101)	1,4-Dichlorobenzene	12.219	146	67		N.D.	
102)	p-Diethylbenzene	0.000		0		N.D.	
103)	n-Butylbenzene	12.495	91	113		N.D.	
104)	1,2-Dichlorobenzene	0.000		0		N.D.	
105)	1,2,4,5-Tetramethylben...	0.000		0		N.D.	
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108)	Hexachlorobutadiene	0.000		0		N.D.	
109)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
110)	Naphthalene	0.000		0		N.D.	
111)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

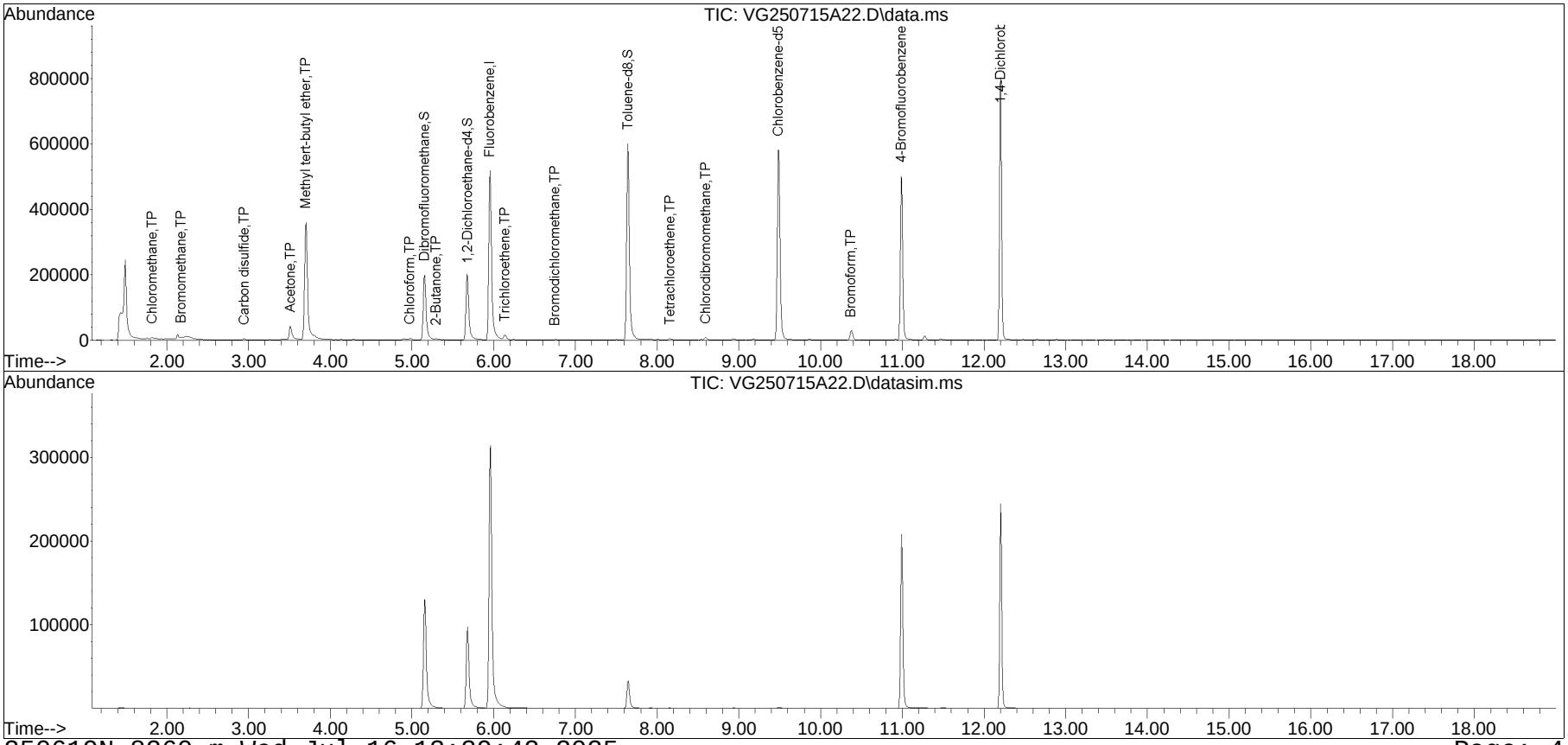
(#) = qualifier out of range (m) = manual integration (+) = signals summed

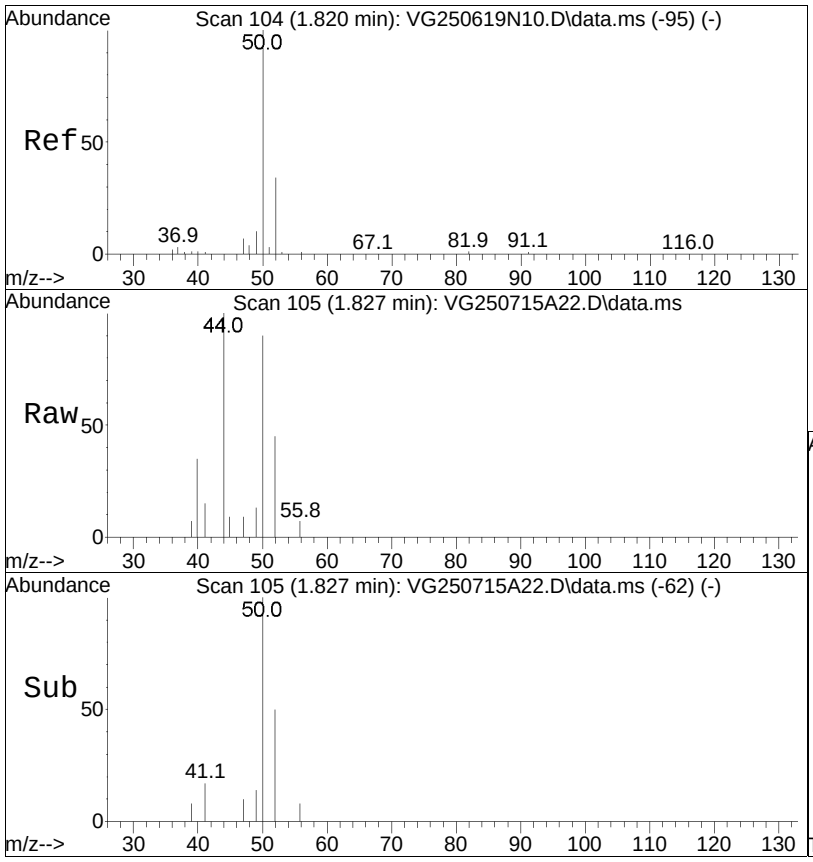
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A22.D
Acq On : 15 Jul 2025 4:37 pm
Operator : GONZO:MJV
Sample : L2542892-02,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 16 06:19:54 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox0715A01.D•

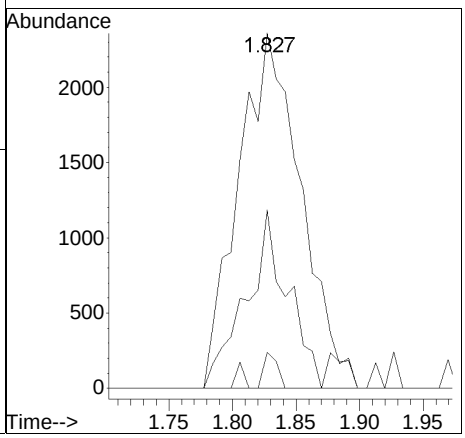


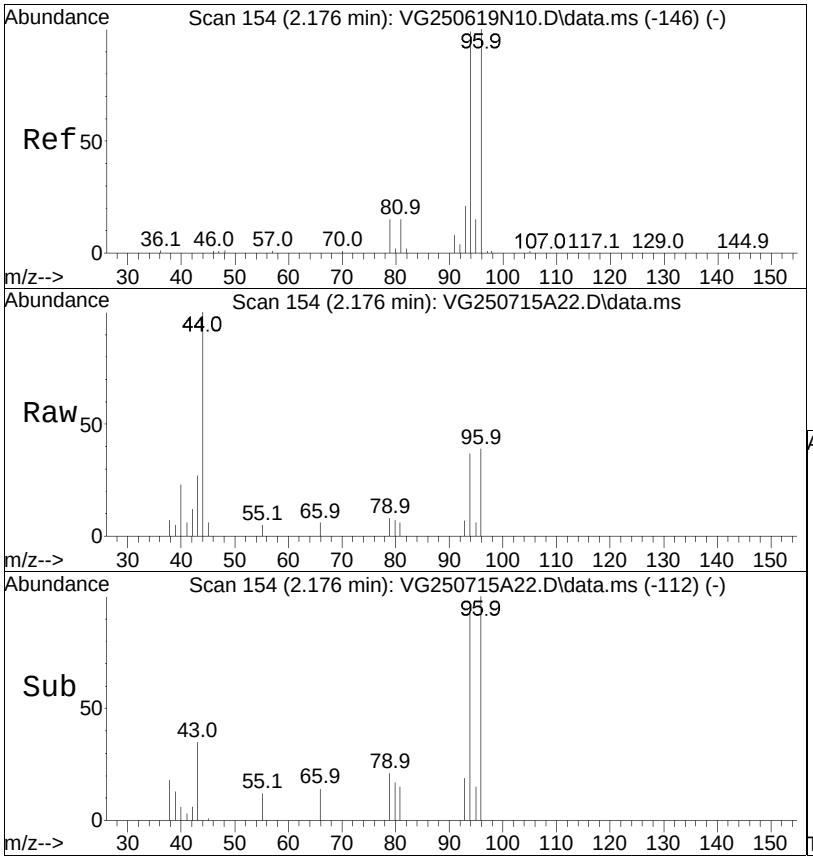


#3
Chloromethane
Concen: 0.65 ug/L
RT: 1.827 min Scan# 105
Delta R.T. 0.007 min
Lab File: VG250715A22.D
Acq: 15 Jul 2025 4:37 pm

Tgt Ion: 50 Resp: 8054

Ion	Ratio	Lower	Upper
50	100		
52	33.5	11.6	51.6
47	2.2	0.0	26.4

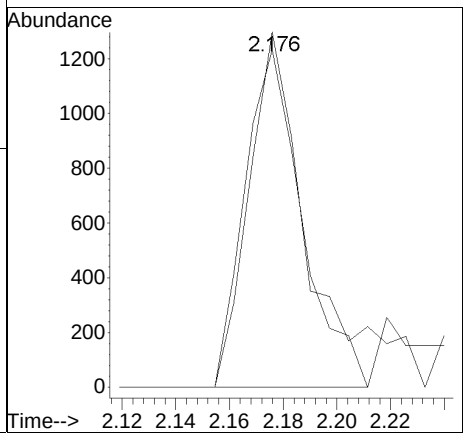


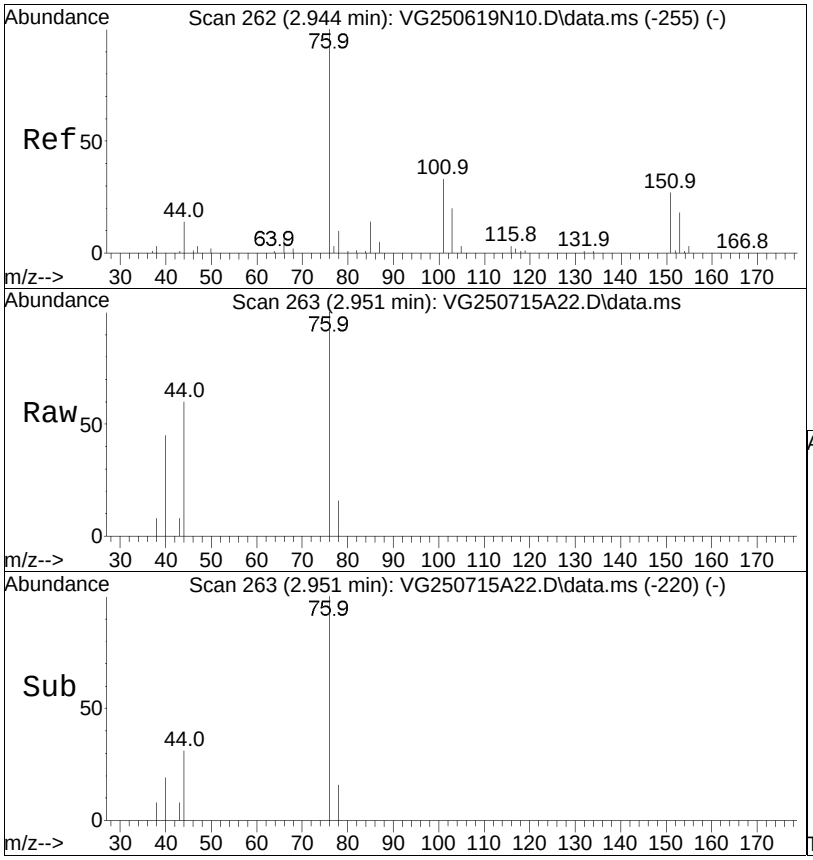


#5
Bromomethane
Concen: 0.20 ug/L
RT: 2.176 min Scan# 154
Delta R.T. -0.000 min
Lab File: VG250715A22.D
Acq: 15 Jul 2025 4:37 pm

Tgt Ion: 94 Resp: 1835

Ion	Ratio	Lower	Upper
94	100		
96	111.4	75.8	115.8

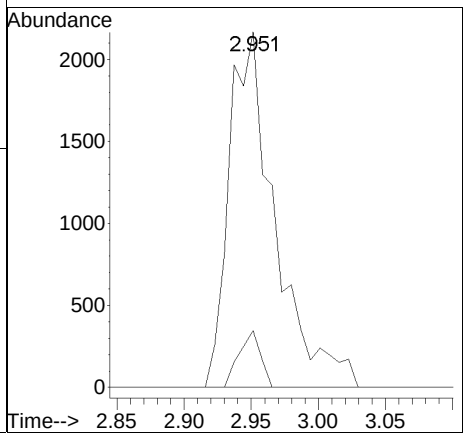


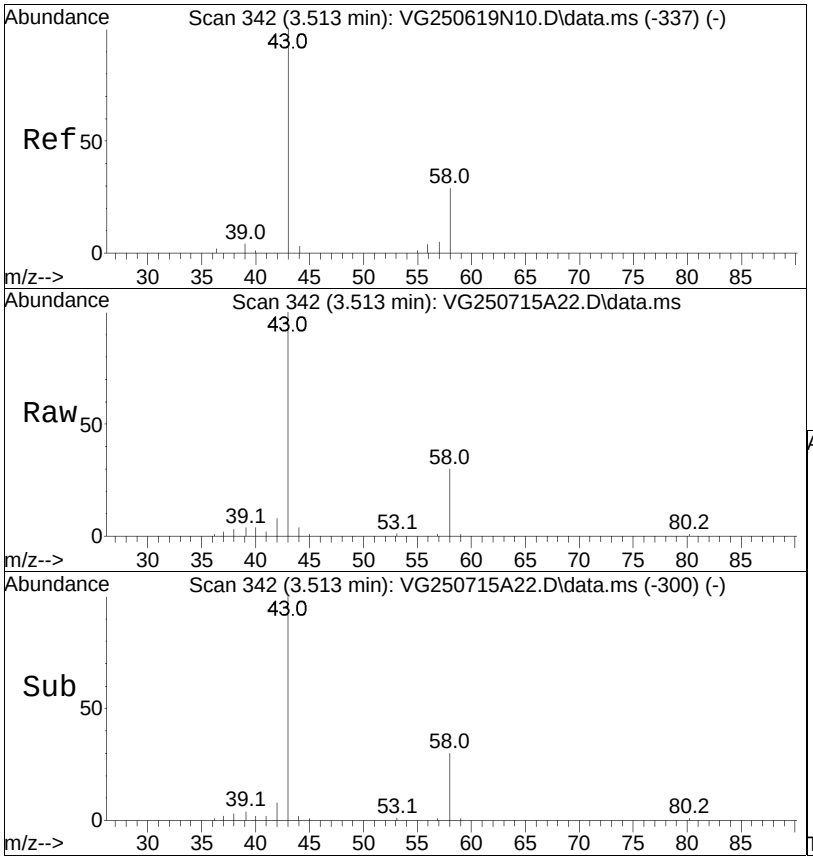


#11
Carbon disulfide
Concen: 0.16 ug/L
RT: 2.951 min Scan# 263
Delta R.T. 0.007 min
Lab File: VG250715A22.D
Acq: 15 Jul 2025 4:37 pm

Tgt Ion: 76 Resp: 5154

Ion	Ratio	Lower	Upper
76	100		
78	7.5	6.3	13.1

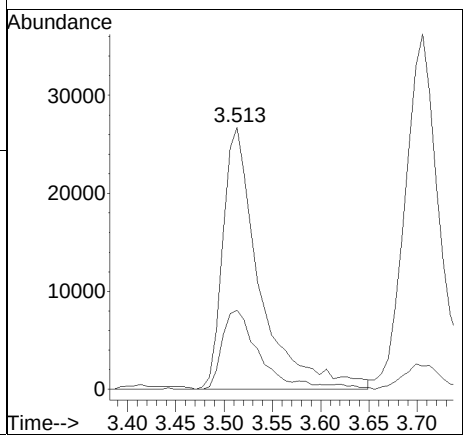


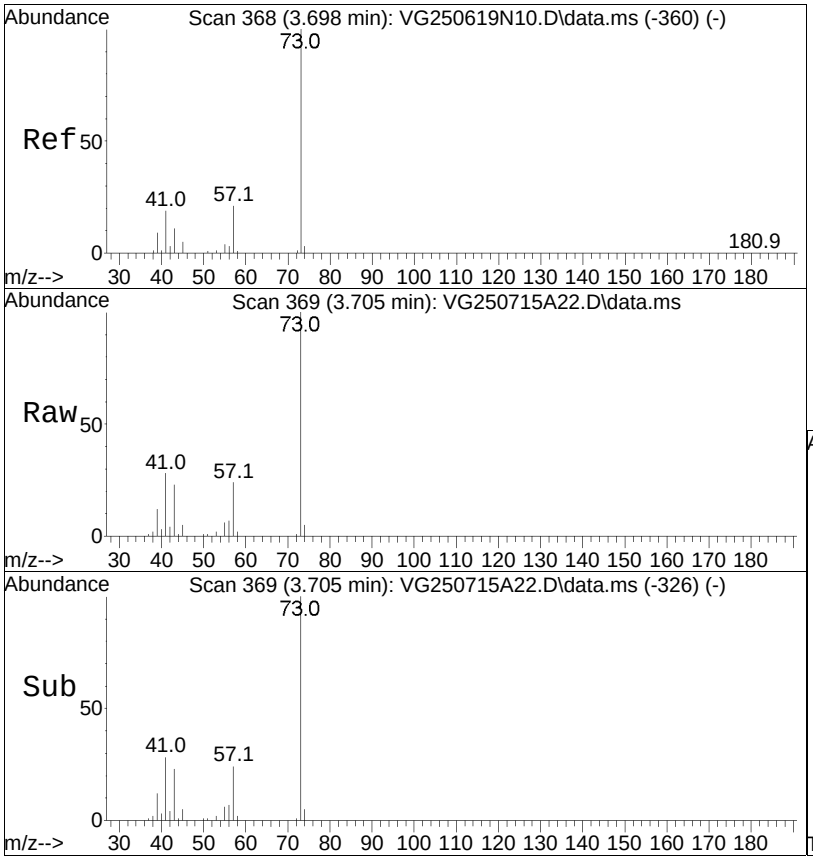


#17
Acetone
Concen: 27.62 ug/L
RT: 3.513 min Scan# 342
Delta R.T. 0.000 min
Lab File: VG250715A22.D
Acq: 15 Jul 2025 4:37 pm

Tgt Ion: 43 Resp: 71303

Ion	Ratio	Lower	Upper
43	100		
58	30.3	26.2	39.2

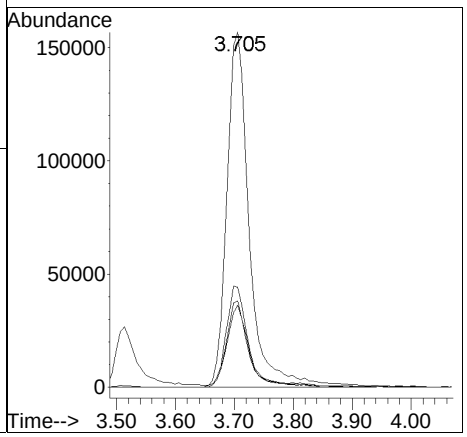


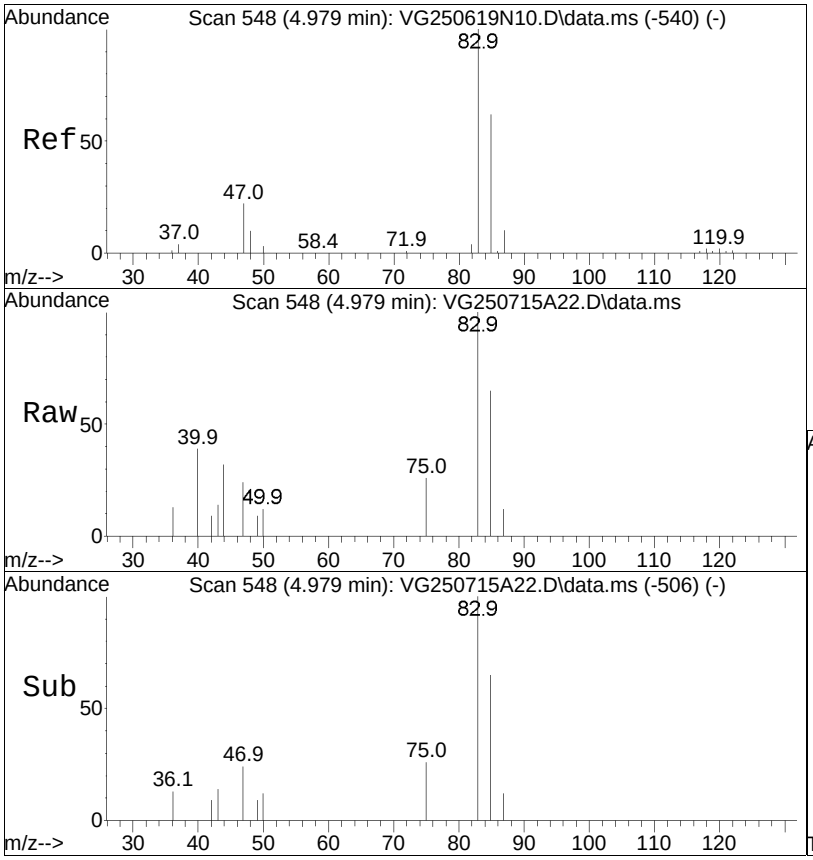


#20
Methyl tert-butyl ether
Concen: 12.17 ug/L
RT: 3.705 min Scan# 369
Delta R.T. 0.007 min
Lab File: VG250715A22.D
Acq: 15 Jul 2025 4:37 pm

Tgt Ion: 73 Resp: 419339

Ion	Ratio	Lower	Upper
73	100		
57	24.0	13.1	27.3
43	20.4	14.1	29.3
41	27.5	11.7	24.3#

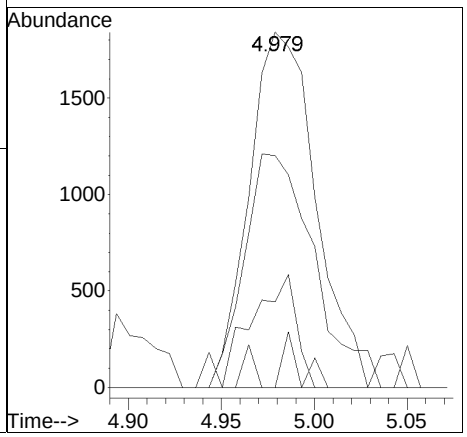


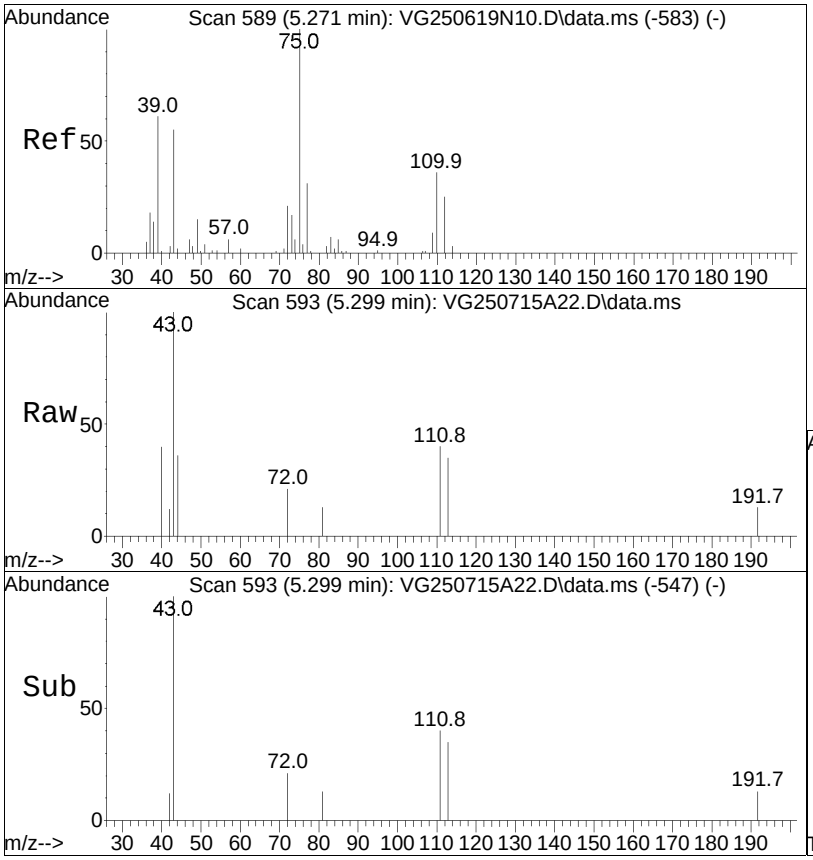


#32
Chloroform
Concen: 0.21 ug/L
RT: 4.979 min Scan# 548
Delta R.T. -0.000 min
Lab File: VG250715A22.D
Acq: 15 Jul 2025 4:37 pm

Tgt Ion: 83 Resp: 4598

Ion	Ratio	Lower	Upper
83	100		
85	68.8	40.8	84.6
47	22.9	13.5	28.1
48	4.1	7.2	15.0#

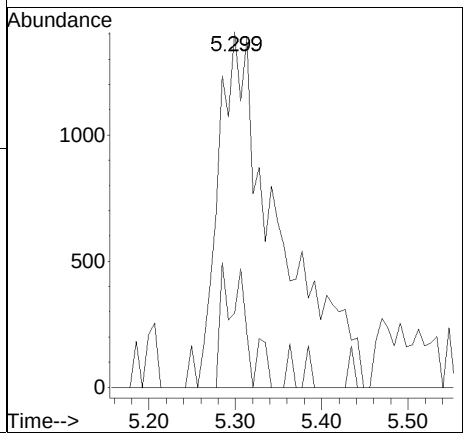


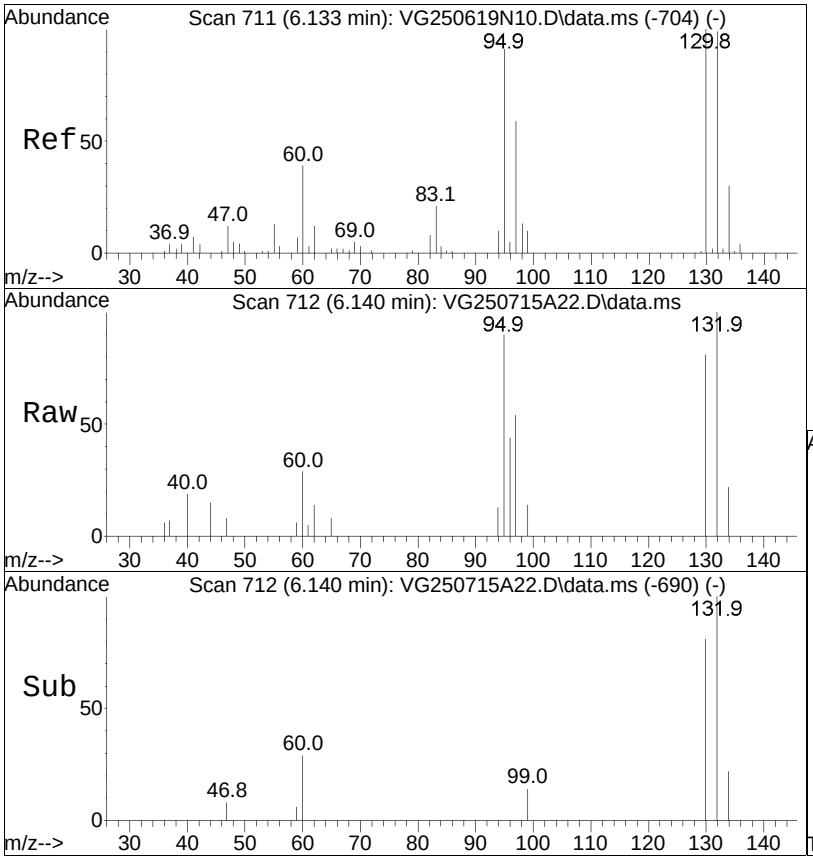


#39
2-Butanone
Concen: 1.73 ug/L M1
RT: 5.299 min Scan# 593
Delta R.T. 0.028 min
Lab File: VG250715A22.D
Acq: 15 Jul 2025 4:37 pm

Tgt Ion: 43 Resp: 6767

Ion	Ratio	Lower	Upper
43	100		
72	11.0	41.3	61.9#

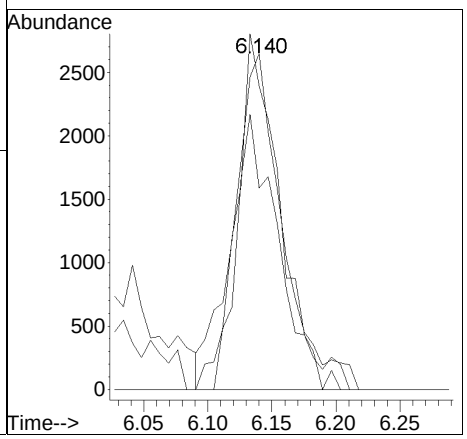


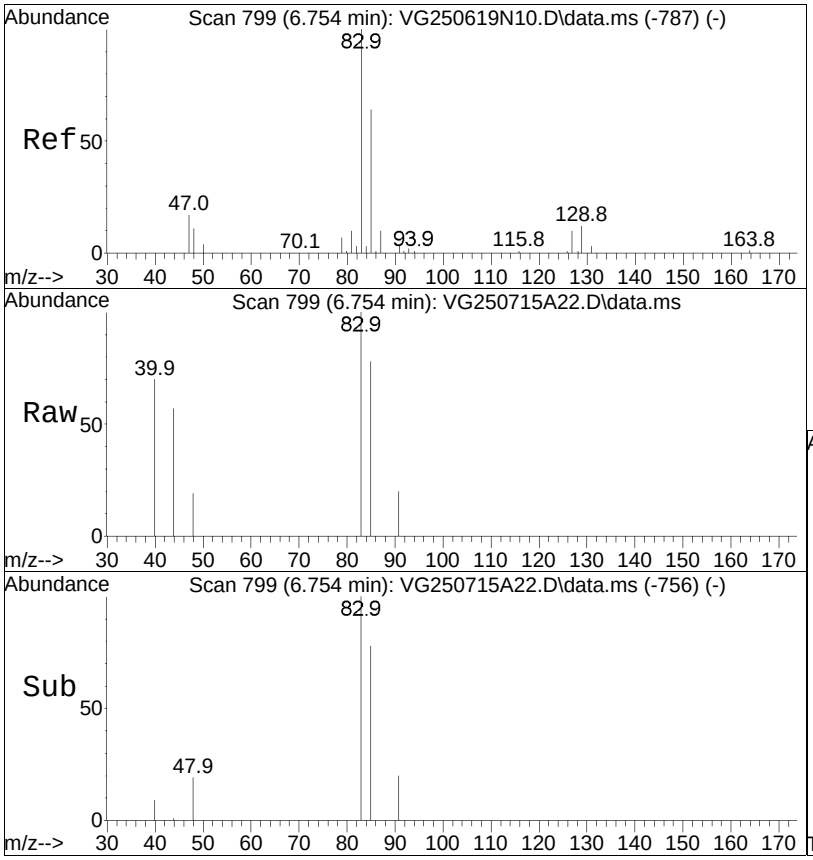


#48
Trichloroethene
Concen: 0.55 ug/L
RT: 6.140 min Scan# 712
Delta R.T. 0.007 min
Lab File: VG250715A22.D
Acq: 15 Jul 2025 4:37 pm

Tgt Ion: 95 Resp: 7105

Ion	Ratio	Lower	Upper
95	100		
97	71.9	53.8	80.6
130	91.8	87.0	130.6

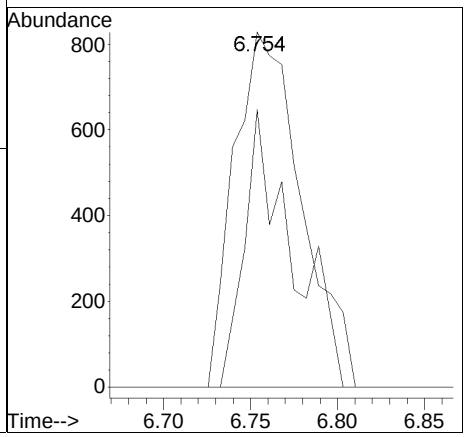


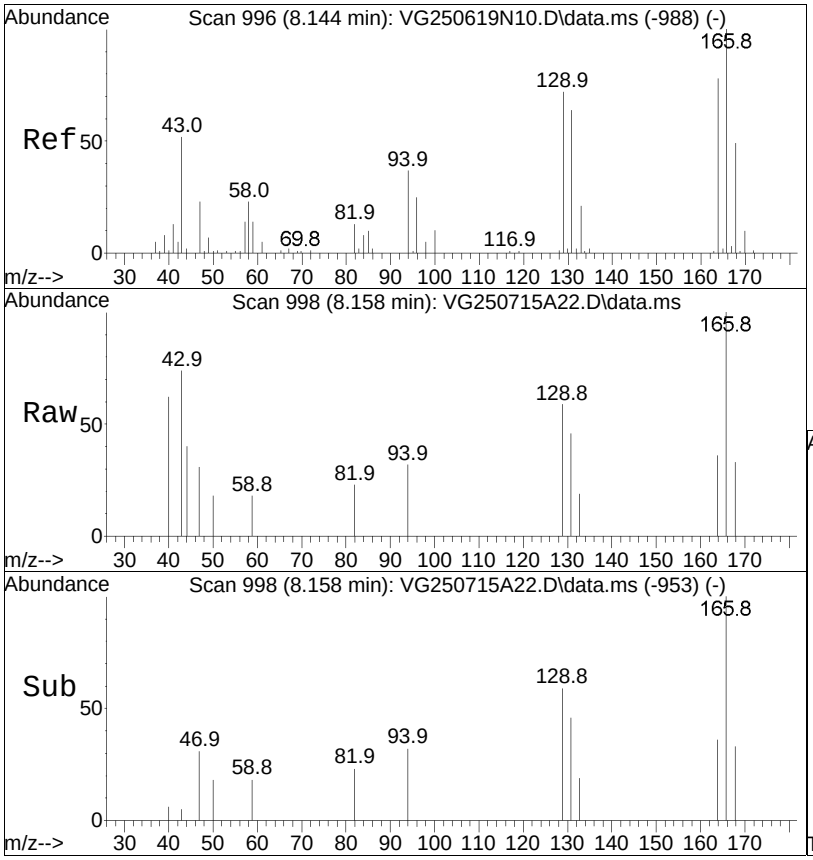


#54
Bromodichloromethane
Concen: 0.13 ug/L
RT: 6.754 min Scan# 799
Delta R.T. -0.000 min
Lab File: VG250715A22.D
Acq: 15 Jul 2025 4:37 pm

Tgt Ion: 83 Resp: 2244

Ion	Ratio	Lower	Upper
83	100		
85	55.0	51.0	76.6
127	0.0	7.8	11.6#

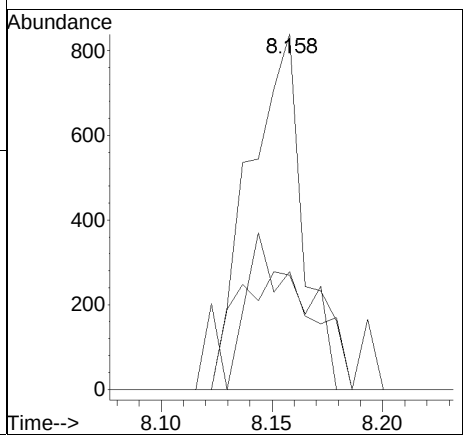


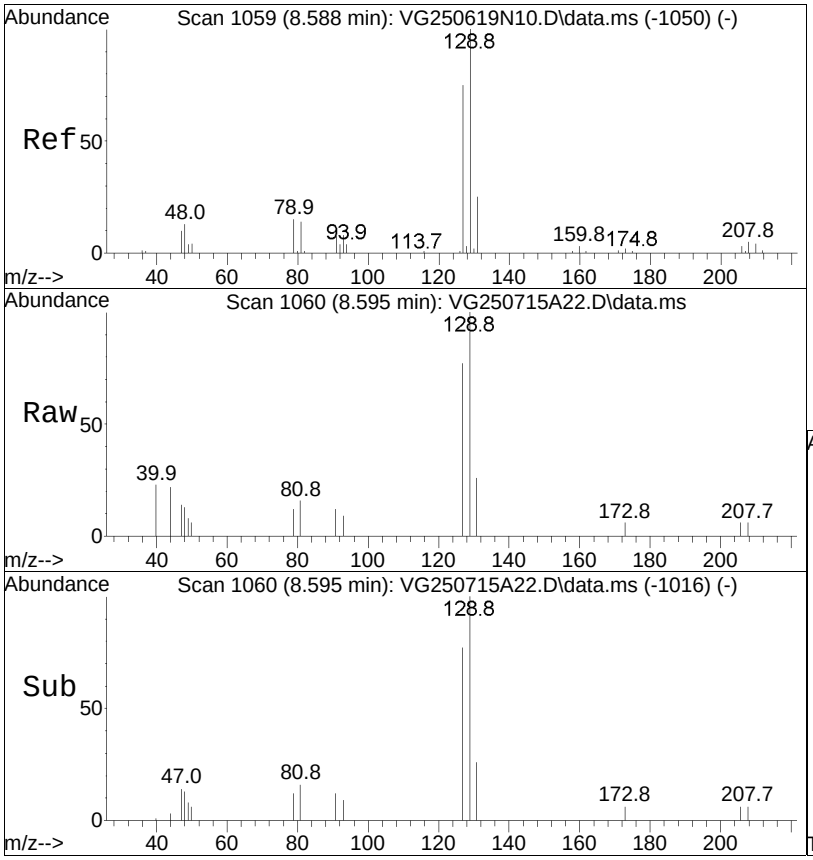


#63
Tetrachloroethene
Concen: 0.11 ug/L
RT: 8.158 min Scan# 998
Delta R.T. 0.014 min
Lab File: VG250715A22.D
Acq: 15 Jul 2025 4:37 pm

Tgt Ion:166 Resp: 1465

Ion	Ratio	Lower	Upper
166	100		
168	55.8	27.6	67.6
94	46.7	16.7	56.7

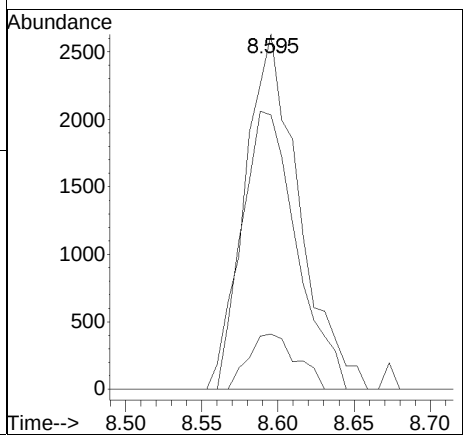


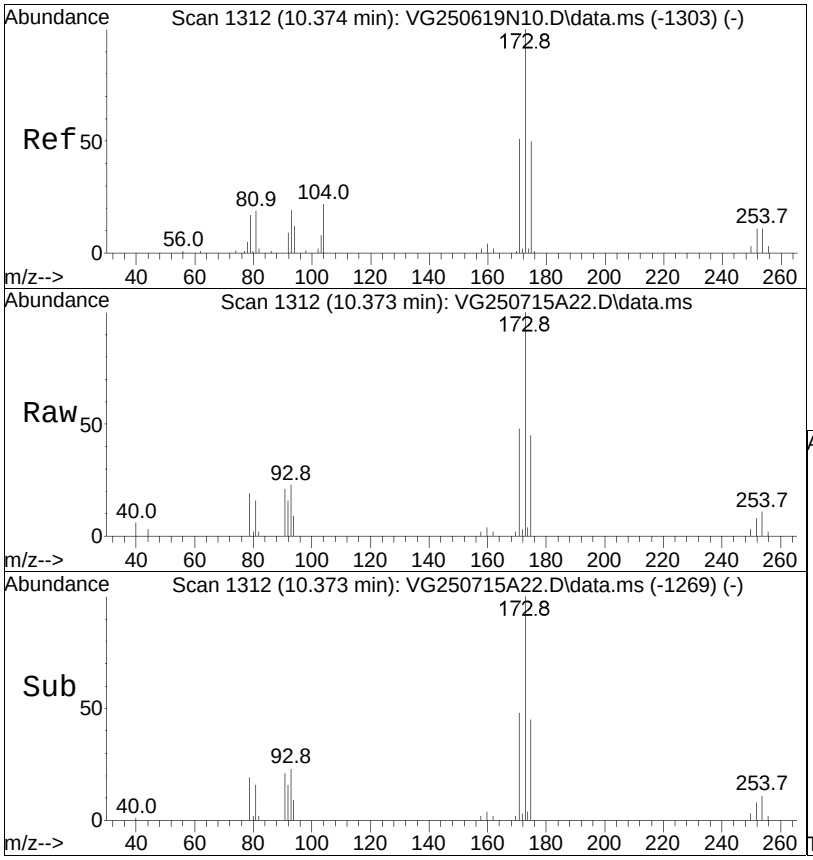


#69
Chlorodibromomethane
Concen: 0.48 ug/L
RT: 8.595 min Scan# 1060
Delta R.T. 0.007 min
Lab File: VG250715A22.D
Acq: 15 Jul 2025 4:37 pm

Tgt Ion:129 Resp: 6558

Ion	Ratio	Lower	Upper
129	100		
81	13.9	0.0	34.8
127	78.4	57.0	97.0

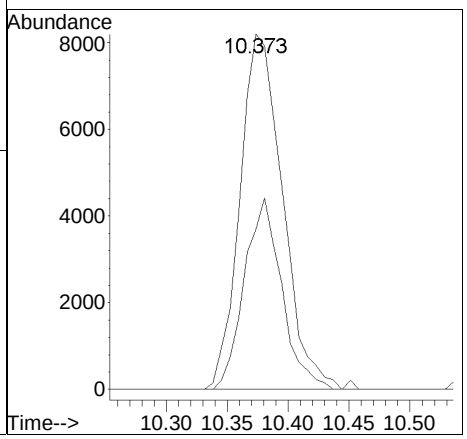




#80
Bromoform
Concen: 2.24 ug/L
RT: 10.373 min Scan# 1312
Delta R.T. -0.000 min
Lab File: VG250715A22.D
Acq: 15 Jul 2025 4:37 pm

Tgt Ion:173 Resp: 20028

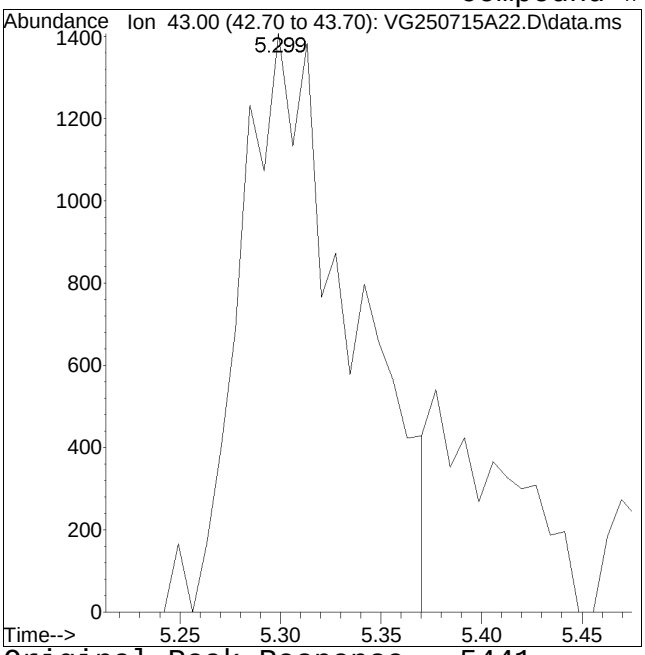
Ion	Ratio	Lower	Upper
173	100		
175	47.0	28.8	68.8



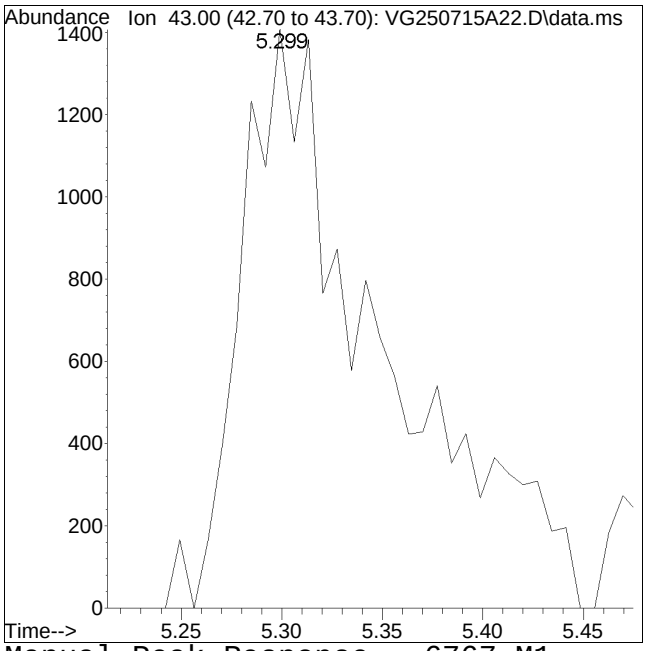
Manual Integration Report

Data Path	: K:\Gonzo\2025\250715A\	QMethod	: G_250619N_8260.m
Data File	: VG250715A22.D	Operator	: GONZO:MJV
Date Inj'd	: 7/15/2025 4:37 pm	Instrument	: Gonzo
Sample	: L2542892-02,31,10,10,,A	Quant Date	: 7/16/2025 6:09 am

Compound #39: 2-Butanone



Original Peak Response = 5441



Manual Peak Response = 6767 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

LSC Area Percent Report

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A22.D
Acq On : 15 Jul 2025 4:37 pm
Operator : GONZO:MJV
Sample : L2542892-02,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VG250715A22.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.513	337	342	361	rBV	40993	104648	7.39%	1.228%
2	3.705	361	369	399	rBV	357685	960665	67.81%	11.275%
3	5.157	565	573	589	rBV	198744	500494	35.33%	5.874%
4	5.674	635	646	668	rBV	201135	504843	35.64%	5.925%
5	5.957	677	686	706	rBV	516896	1258195	88.81%	14.767%
6	7.643	917	925	948	rBV	599645	1416690	100.00%	16.627%
7	9.484	1176	1186	1215	rBV	581417	1344278	94.89%	15.777%
8	10.380	1306	1313	1321	rBV2	29583	70221	4.96%	0.824%
9	10.988	1393	1399	1424	rBV	500508	979559	69.14%	11.497%
10	12.205	1564	1571	1593	rBV	802419	1380684	97.46%	16.205%

Sum of corrected areas: 8520277

Signal : TIC: VG250715A22.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

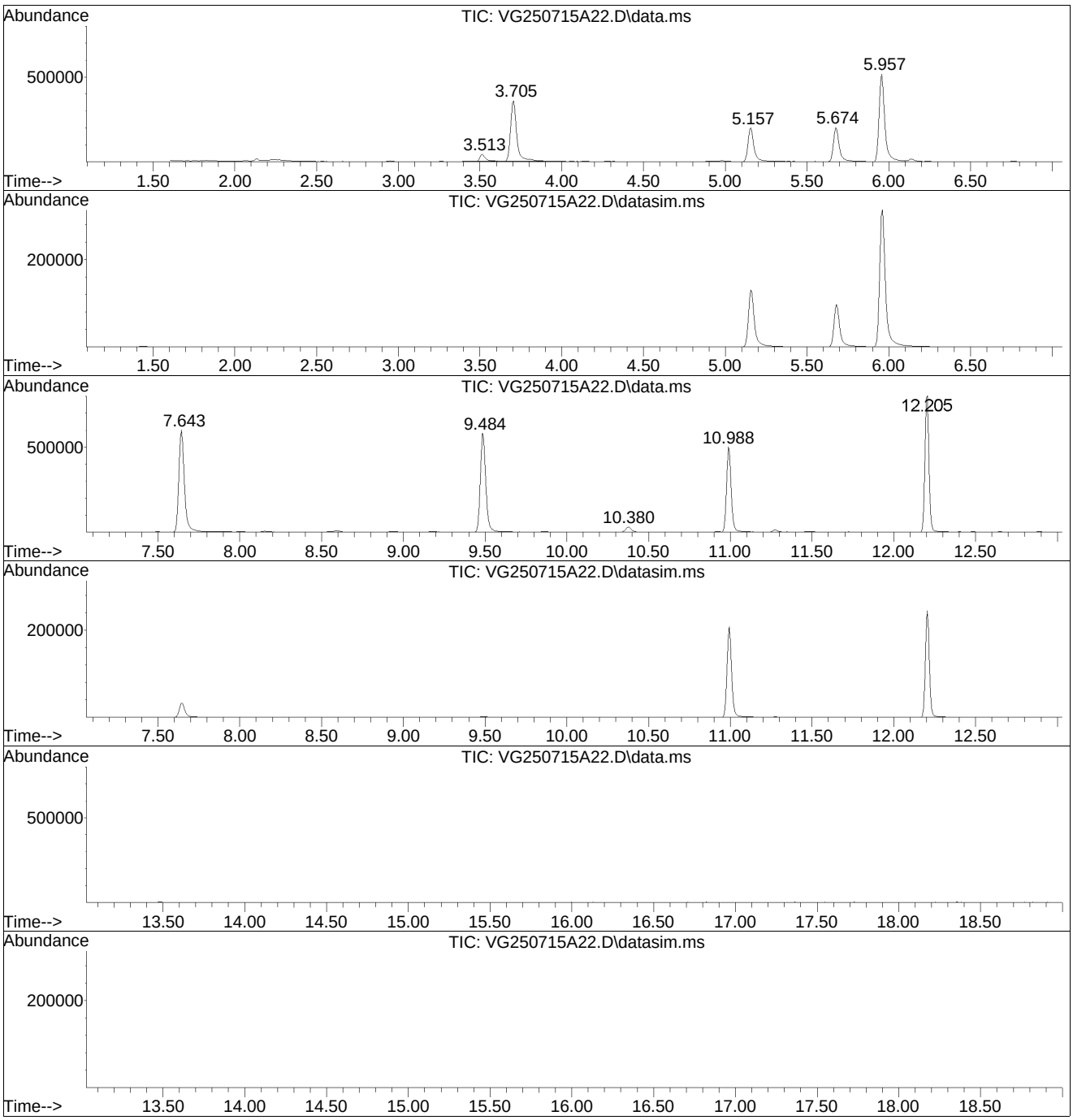
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A22.D
Acq On : 15 Jul 2025 4:37 pm
Operator : GONZO:MJV
Sample : L2542892-02,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A22.D
Acq On : 15 Jul 2025 4:37 pm
Operator : GONZO:MJV
Sample : L2542892-02,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A22.D
Acq On : 15 Jul 2025 4:37 pm
Operator : GONZO:MJV
Sample : L2542892-02,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A23.D
Acq On : 15 Jul 2025 5:04 pm
Operator : GONZO:MJV
Sample : L2542892-03,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jul 16 06:10:15 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250715A\VG250715A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.957	96	601905	10.000 ug/L	0.00
Standard Area 1 = 741901			Recovery =	81.13%	
59) Chlorobenzene-d5	9.485	117	450572	10.000 ug/L	0.00
Standard Area 1 = 574539			Recovery =	78.42%	
79) 1,4-Dichlorobenzene-d4	12.205	152	231728	10.000 ug/L	0.00
Standard Area 1 = 311419			Recovery =	74.41%	
System Monitoring Compounds					
36) Dibromofluoromethane	5.157	113	156637	10.026 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.26%	
43) 1,2-Dichloroethane-d4	5.674	65	177571	11.101 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	111.01%	
60) Toluene-d8	7.643	98	558309	9.976 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.76%	
83) 4-Bromofluorobenzene	10.988	95	193659	10.133 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.33%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.820	50	138	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.176	94	1106	0.119 ug/L	91
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	2.318	101	73	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.951	76	417	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	3.528	43	2299	0.892 ug/L #	52
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
25) Acrylonitrile	0.000		0	N.D.	
27) Vinyl acetate	4.424	43	100	N.D.	
28) cis-1,2-Dichloroethene	0.000		0	N.D.	
29) 2,2-Dichloropropane	0.000		0	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
32) Chloroform	4.979	83	160	N.D.	

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A23.D
Acq On : 15 Jul 2025 5:04 pm
Operator : GONZO:MJV
Sample : L2542892-03,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jul 16 06:10:15 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250715A\VG250715A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	5.491	43	77		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	5.590	78	64		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
48) Trichloroethene	6.112	95	162		N.D.	
50) Dibromomethane	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	7.692	92	66		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
70) 1,3-Dichloropropane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	9.153	43	72		N.D.	
73) Chlorobenzene	9.527	112	77		N.D.	
74) Ethylbenzene	9.541	91	75		N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76) p/m Xylene	0.000		0		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	0.000		0		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	0.000		0		N.D.	
84) Bromobenzene	0.000		0		N.D.	
85) n-Propylbenzene	10.988	91	608		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
88) 4-Ethyltoluene	0.000		0		N.D.	
89) 2-Chlorotoluene	0.000		0		N.D.	
90) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
91) 1,2,3-Trichloropropane	11.194	75	64		N.D.	
92) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
93) 4-Chlorotoluene	0.000		0		N.D.	
94) tert-Butylbenzene	11.689	119	68		N.D.	

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A23.D
Acq On : 15 Jul 2025 5:04 pm
Operator : GONZO:MJV
Sample : L2542892-03,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jul 16 06:10:15 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250715A\VG250715A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
98) sec-Butylbenzene	0.000		0		N.D.	
99) p-Isopropyltoluene	0.000		0		N.D.	
100) 1,3-Dichlorobenzene	12.219	146	82		N.D.	
101) 1,4-Dichlorobenzene	12.219	146	82		N.D.	
102) p-Diethylbenzene	0.000		0		N.D.	
103) n-Butylbenzene	0.000		0		N.D.	
104) 1,2-Dichlorobenzene	0.000		0		N.D.	
105) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108) Hexachlorobutadiene	0.000		0		N.D.	
109) 1,2,4-Trichlorobenzene	13.818	180	72		N.D.	
110) Naphthalene	0.000		0		N.D.	
111) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

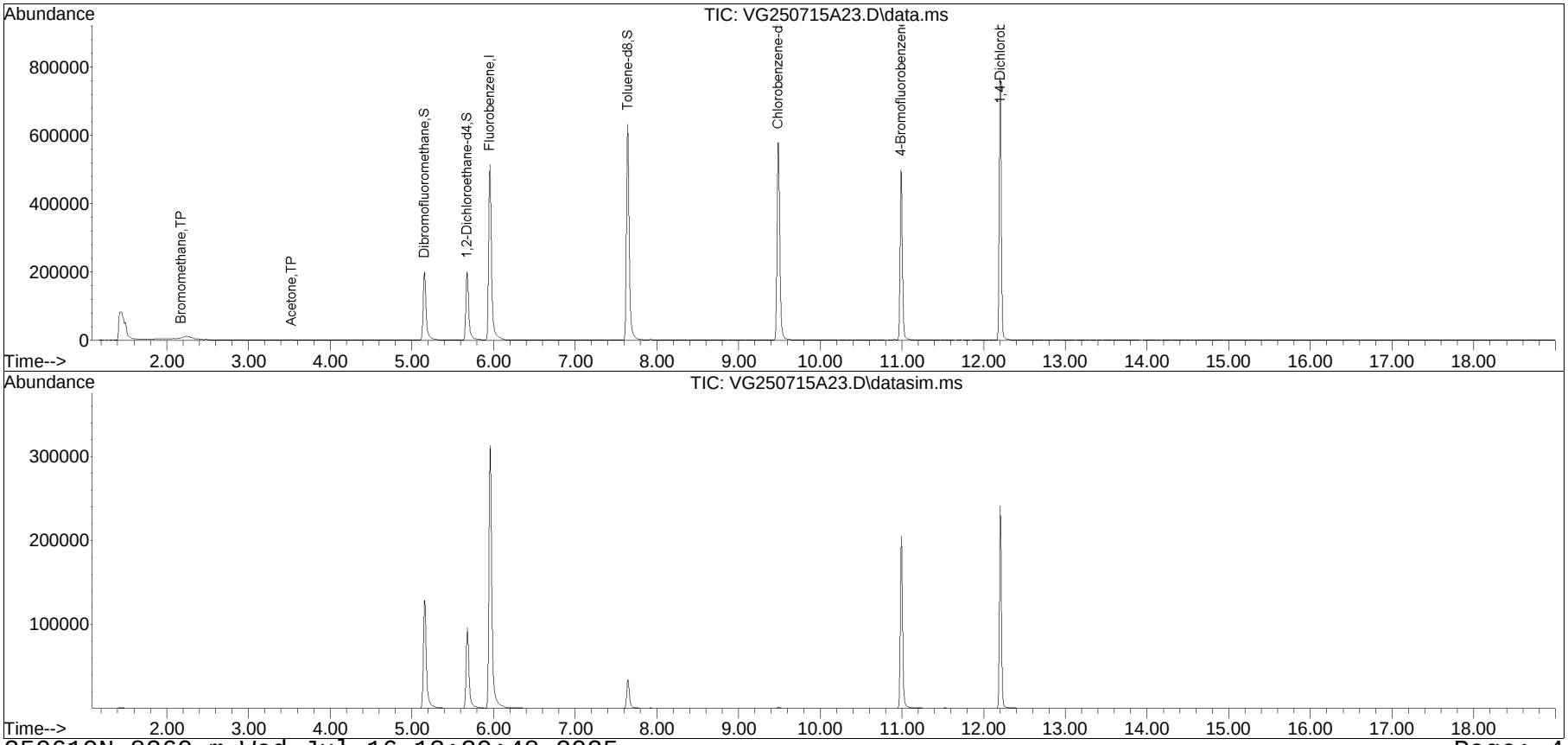
(#) = qualifier out of range (m) = manual integration (+) = signals summed

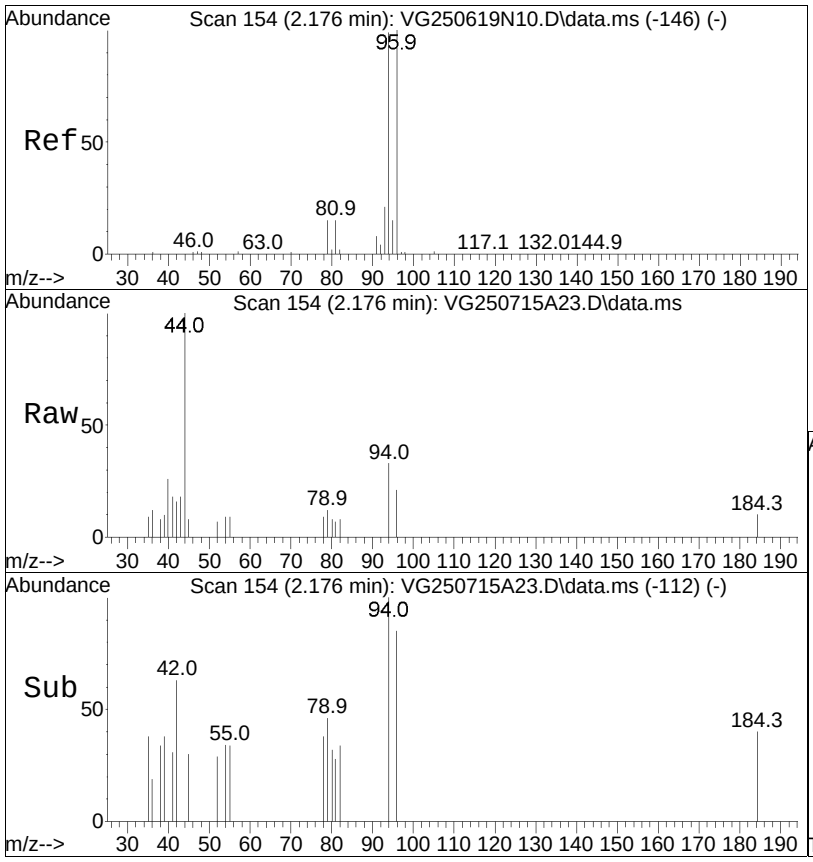
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A23.D
Acq On : 15 Jul 2025 5:04 pm
Operator : GONZO:MJV
Sample : L2542892-03,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jul 16 06:10:15 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox0715A01.D•

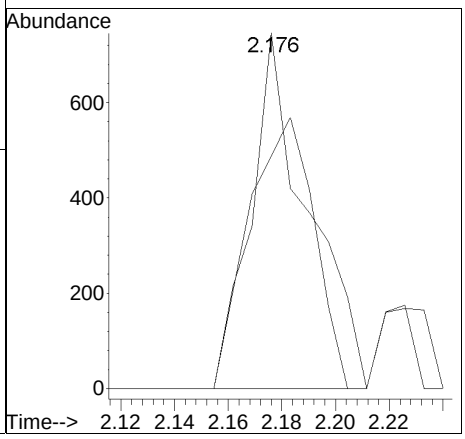


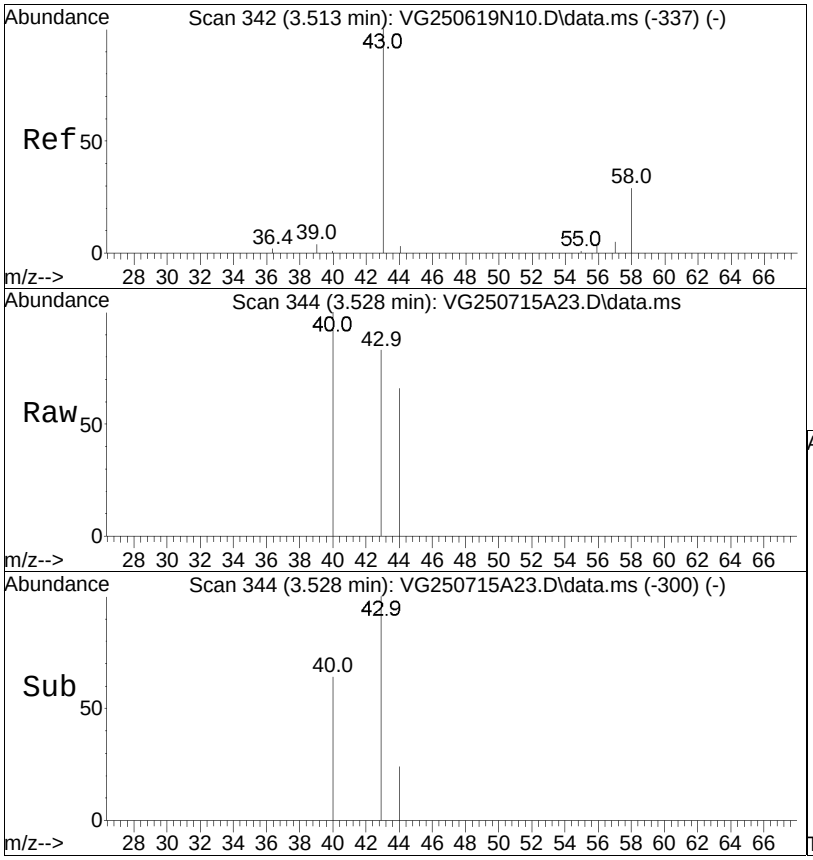


#5
Bromomethane
Concen: 0.12 ug/L
RT: 2.176 min Scan# 154
Delta R.T. 0.000 min
Lab File: VG250715A23.D
Acq: 15 Jul 2025 5:04 pm

Tgt Ion: 94 Resp: 1106

Ion	Ratio	Lower	Upper
94	100		
96	87.3	75.8	115.8

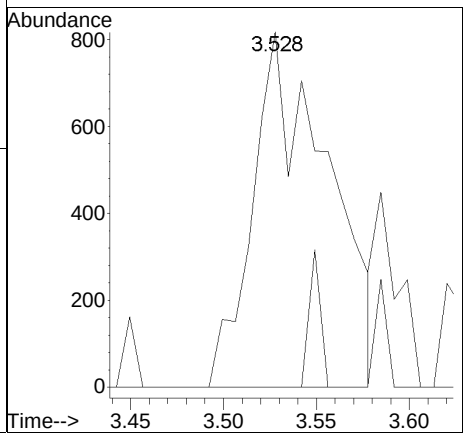




#17
Acetone
Concen: 0.89 ug/L
RT: 3.528 min Scan# 344
Delta R.T. 0.015 min
Lab File: VG250715A23.D
Acq: 15 Jul 2025 5:04 pm

Tgt Ion: 43 Resp: 2299

Ion	Ratio	Lower	Upper
43	100		
58	5.9	26.2	39.2#



Manual Integration Report

Data Path	: K:\Gonzo\2025\250715A\	QMethod	: G_250619N_8260.m
Data File	: VG250715A23.D	Operator	: GONZO:MJV
Date Inj'd	: 7/15/2025 5:04 pm	Instrument	: Gonzo
Sample	: L2542892-03,31,10,10,,A	Quant Date	: 7/16/2025 6:10 am

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

LSC Area Percent Report

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A23.D
Acq On : 15 Jul 2025 5:04 pm
Operator : GONZO:MJV
Sample : L2542892-03,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VG250715A23.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.157	564	573	598	rBV	199060	505199	34.02%	6.827%
2	5.674	638	646	668	rBV	199336	497805	33.52%	6.727%
3	5.957	678	686	714	rBV	513479	1262404	85.00%	17.058%
4	7.643	917	925	946	rBV	631549	1485150	100.00%	20.068%
5	9.485	1178	1186	1211	rBV	578462	1337015	90.03%	18.067%
6	10.988	1393	1399	1417	rBV	497631	958930	64.57%	12.958%
7	12.205	1562	1571	1587	rBV	768375	1353997	91.17%	18.296%

Sum of corrected areas: 7400500

Signal : TIC: VG250715A23.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

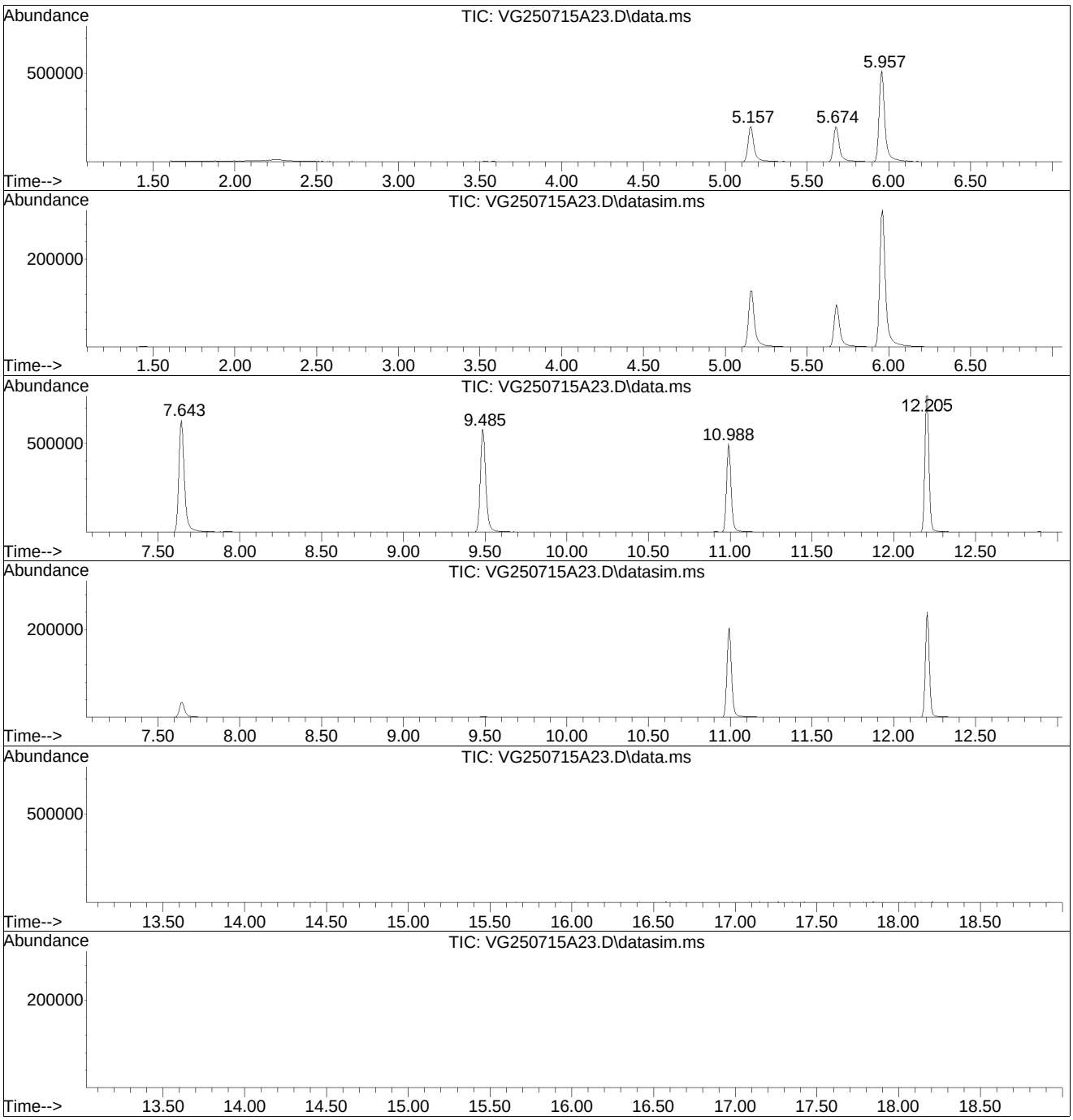
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A23.D
Acq On : 15 Jul 2025 5:04 pm
Operator : GONZO:MJV
Sample : L2542892-03,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A23.D
Acq On : 15 Jul 2025 5:04 pm
Operator : GONZO:MJV
Sample : L2542892-03,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A23.D
Acq On : 15 Jul 2025 5:04 pm
Operator : GONZO:MJV
Sample : L2542892-03,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A24.D
Acq On : 15 Jul 2025 5:32 pm
Operator : GONZO:MJV
Sample : L2542892-04,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 16 06:10:20 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250715A\VG250715A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.957	96	593046	10.000 ug/L	0.00
Standard Area 1 = 741901			Recovery = 79.94%		
59) Chlorobenzene-d5	9.491	117	450509	10.000 ug/L	0.00
Standard Area 1 = 574539			Recovery = 78.41%		
79) 1,4-Dichlorobenzene-d4	12.205	152	229259	10.000 ug/L	0.00
Standard Area 1 = 311419			Recovery = 73.62%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.157	113	154293	10.023 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.23%		
43) 1,2-Dichloroethane-d4	5.674	65	179887	11.414 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 114.14%		
60) Toluene-d8	7.643	98	560436	10.015 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.15%		
83) 4-Bromofluorobenzene	10.988	95	197326	10.436 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.36%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.813	50	157	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.176	94	800	0.087 ug/L	88
6) Chloroethane	2.268	64	150	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.937	76	566	N.D.	
15) Methylene chloride	3.471	84	95	N.D.	
17) Acetone	3.535	43	3002	1.182 ug/L #	66
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	3.976	63	69	N.D.	
25) Acrylonitrile	0.000		0	N.D.	
27) Vinyl acetate	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	0.000		0	N.D.	
29) 2,2-Dichloropropane	0.000		0	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
32) Chloroform	4.979	83	89	N.D.	

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A24.D
Acq On : 15 Jul 2025 5:32 pm
Operator : GONZO:MJV
Sample : L2542892-04,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 16 06:10:20 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250715A\VG250715A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	5.242	43	83		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	5.561	78	65		N.D.	
44) 1,2-Dichloroethane	5.667	62	66		N.D.	
48) Trichloroethene	6.105	95	433		N.D.	
50) Dibromomethane	0.000		0		N.D.	
51) 1,2-Dichloropropane	6.789	63	65		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	7.706	92	187		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
70) 1,3-Dichloropropane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	9.075	43	77		N.D.	
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	9.477	91	878		N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76) p/m Xylene	0.000		0		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	10.500	104	77		N.D.	
80) Bromoform	10.380	173	65		N.D.	
82) Isopropylbenzene	0.000		0		N.D.	
84) Bromobenzene	0.000		0		N.D.	
85) n-Propylbenzene	11.116	91	64		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
88) 4-Ethyltoluene	0.000		0		N.D.	
89) 2-Chlorotoluene	11.116	91	64		N.D.	
90) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
91) 1,2,3-Trichloropropane	11.292	75	77		N.D.	
92) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
93) 4-Chlorotoluene	0.000		0		N.D.	
94) tert-Butylbenzene	11.540	119	69		N.D.	

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A24.D
Acq On : 15 Jul 2025 5:32 pm
Operator : GONZO:MJV
Sample : L2542892-04,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 16 06:10:20 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250715A\VG250715A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	0.000		0		N.D.	
98)	sec-Butylbenzene	0.000		0		N.D.	
99)	p-Isopropyltoluene	12.056	119	140		N.D.	
100)	1,3-Dichlorobenzene	12.198	146	152		N.D.	
101)	1,4-Dichlorobenzene	12.198	146	152		N.D.	
102)	p-Diethylbenzene	0.000		0		N.D.	
103)	n-Butylbenzene	0.000		0		N.D.	
104)	1,2-Dichlorobenzene	0.000		0		N.D.	
105)	1,2,4,5-Tetramethylben...	0.000		0		N.D.	
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108)	Hexachlorobutadiene	0.000		0		N.D.	
109)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
110)	Naphthalene	0.000		0		N.D.	
111)	1,2,3-Trichlorobenzene	14.341	180	65		N.D.	

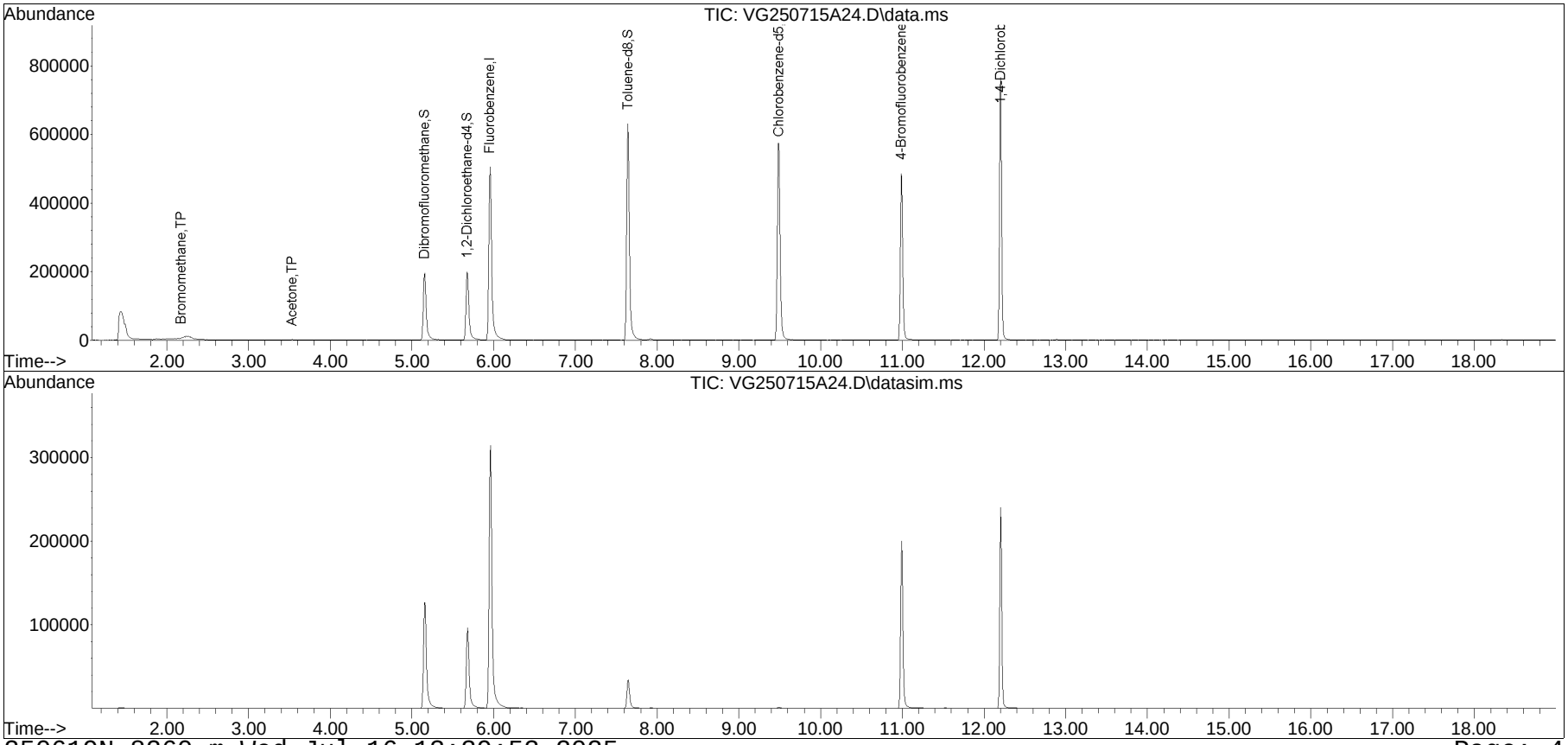
(#) = qualifier out of range (m) = manual integration (+) = signals summed

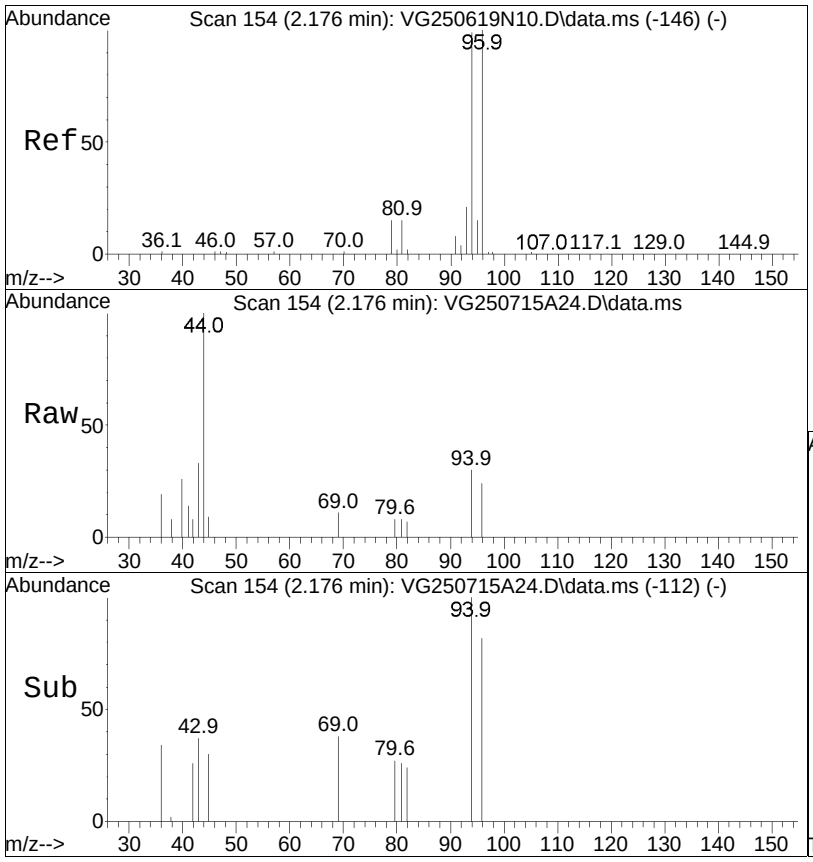
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A24.D
Acq On : 15 Jul 2025 5:32 pm
Operator : GONZO:MJV
Sample : L2542892-04,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 16 06:10:20 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox0715A01.D•

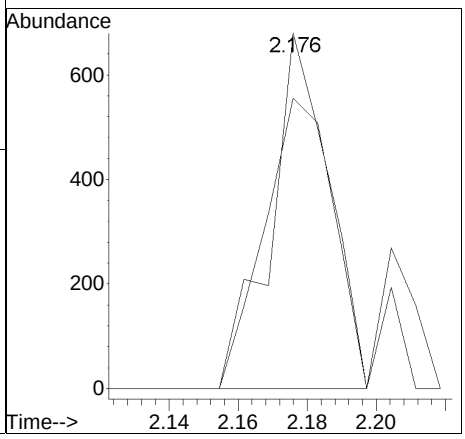


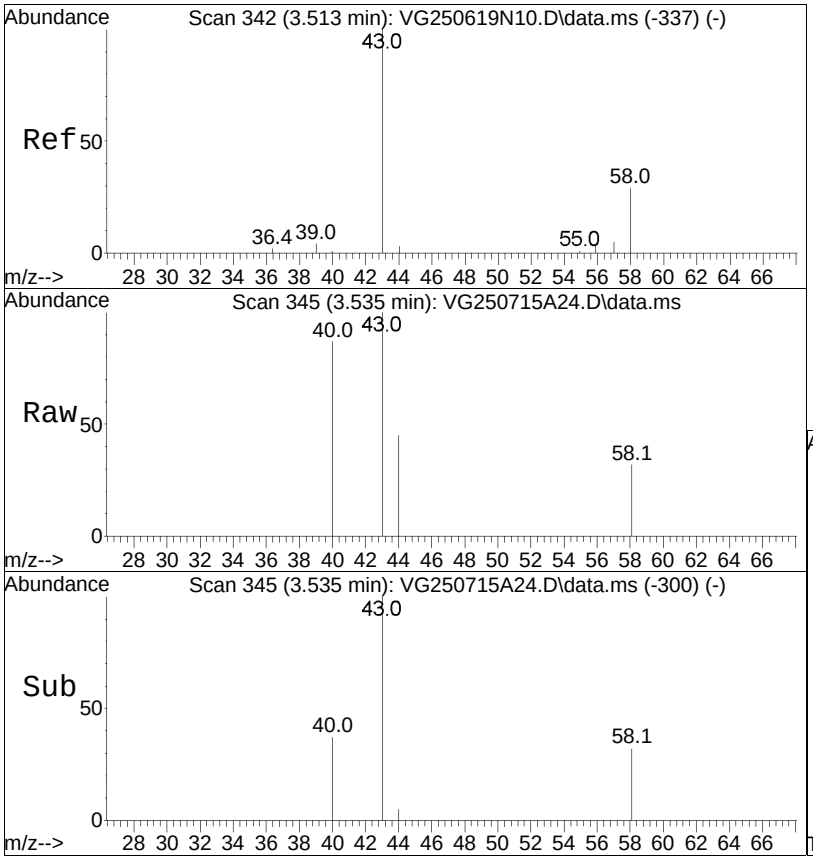


#5
Bromomethane
Concen: 0.09 ug/L
RT: 2.176 min Scan# 154
Delta R.T. -0.000 min
Lab File: VG250715A24.D
Acq: 15 Jul 2025 5:32 pm

Tgt Ion: 94 Resp: 800

Ion	Ratio	Lower	Upper
94	100		
96	107.5	75.8	115.8

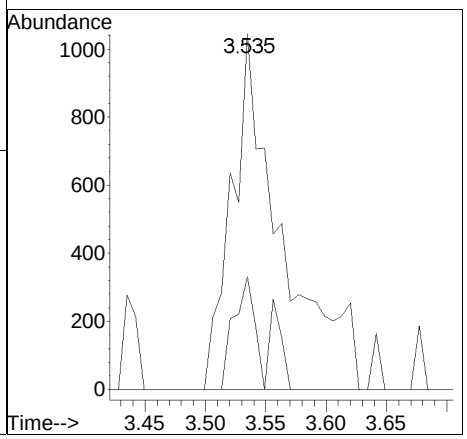




#17
Acetone
Concen: 1.18 ug/L
RT: 3.535 min Scan# 345
Delta R.T. 0.022 min
Lab File: VG250715A24.D
Acq: 15 Jul 2025 5:32 pm

Tgt Ion: 43 Resp: 3002

Ion	Ratio	Lower	Upper
43	100		
58	13.4	26.2	39.2#



Manual Integration Report

Data Path	: K:\Gonzo\2025\250715A\	QMethod	: G_250619N_8260.m
Data File	: VG250715A24.D	Operator	: GONZO:MJV
Date Inj'd	: 7/15/2025 5:32 pm	Instrument	: Gonzo
Sample	: L2542892-04,31,10,10,,A	Quant Date	: 7/16/2025 6:10 am

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

LSC Area Percent Report

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A24.D
Acq On : 15 Jul 2025 5:32 pm
Operator : GONZO:MJV
Sample : L2542892-04,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VG250715A24.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.157	565	573	595	rBV	195435	493163	33.12%	6.714%
2	5.674	638	646	670	rBV	198694	502650	33.76%	6.843%
3	5.957	679	686	716	rBV	504082	1252990	84.15%	17.059%
4	7.643	912	925	952	rBV	630669	1488984	100.00%	20.272%
5	9.484	1175	1186	1207	rBV	574219	1328043	89.19%	18.081%
6	10.988	1393	1399	1422	rBV	485889	951311	63.89%	12.952%
7	12.205	1563	1571	1585	rBV	765150	1327861	89.18%	18.078%

Sum of corrected areas: 7345002

Signal : TIC: VG250715A24.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

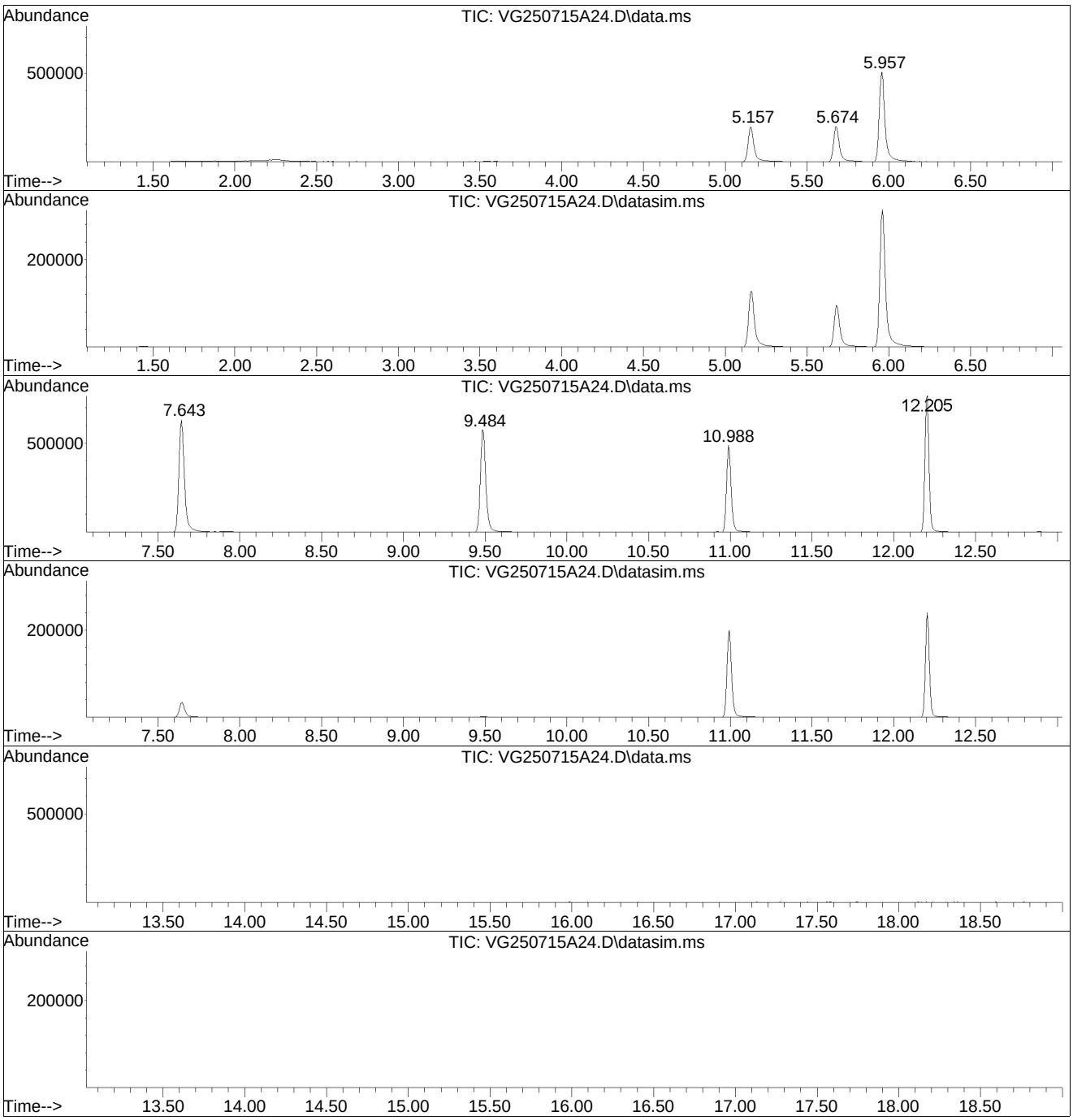
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A24.D
Acq On : 15 Jul 2025 5:32 pm
Operator : GONZO:MJV
Sample : L2542892-04,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A24.D
Acq On : 15 Jul 2025 5:32 pm
Operator : GONZO:MJV
Sample : L2542892-04,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A24.D
Acq On : 15 Jul 2025 5:32 pm
Operator : GONZO:MJV
Sample : L2542892-04,31,10,10,,A
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

						Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Volatiles

Client	**: Soils Engineering Services, Inc.**	**Lab Number**	**: L2542892**
Project Name	**: 20 GARDEN ST**	**Project Number**	**: 11672D**
Instrument ID	**: GONZO**	**Ical Ref**	**: ICAL22400**
Calibration dates	**: 06/20/25 01:35 06/20/25 06:01**		

Calibration Files
L11 =VG250619N04.D L1 =VG250619N06.D L2 =VG250619N08.D L3 =VG250619N10.D L4 =VG250619N11.D
L6 =VG250619N12.D L8 =VG250619N13.D L10 =VG250619N14.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.195	0.224	0.223	0.227	0.226	0.228	0.211	0.219	5.51
3)	TP	Chloromethane		0.202	0.205	0.200	0.206	0.208	0.210	0.201	0.205	1.78
4)	TP	Vinyl chloride	0.214	0.183	0.230	0.234	0.236	0.240	0.237	0.229	0.225	8.41
5)	TP	Bromomethane		0.144	0.148	0.136	0.152	0.163	0.170	0.168	0.154	8.28
6)	TP	Chloroethane		0.180	0.160	0.154	0.147	0.123			0.153	13.76
7)	TP	Trichlorofluor		0.213	0.280	0.309	0.327	0.327	0.333	0.318	0.301	14.13
8)	TP	Ethyl ether		0.103	0.103	0.107	0.113	0.115	0.114	0.108	0.109	4.92
10)	TP	1,1-Dichloroet		0.143	0.181	0.181	0.190	0.193	0.194	0.184	0.181	9.64
11)	TP	Carbon disulfide		0.471	0.546	0.546	0.566	0.577	0.580	0.553	0.549	6.71
12)	TP	Freon-113		0.136	0.182	0.184	0.194	0.191	0.195	0.185	0.181	11.36
13)	TP	Iodomethane			0.152	0.172	0.228	0.259	0.256	0.242	*L	0.9974
14)	TP	Acrolein			0.024	0.030	0.029	0.030	0.030	0.029	0.029	7.61
15)	TP	Methylene chlo		0.294	0.221	0.204	0.210	0.209	0.208	0.196	0.220	15.17
17)	TP	Acetone			0.049	0.039	0.041	0.043	0.043	0.041	0.043	8.19
18)	TP	trans-1,2-Dich		0.151	0.200	0.198	0.207	0.211	0.209	0.198	0.196	10.55
19)	TP	Methyl acetate			0.081	0.097	0.108	0.108	0.109	0.102	0.101	10.70
20)	TP	Methyl tert butyl ether		0.514	0.549	0.571	0.600	0.604	0.597	0.565	0.572	5.67
21)	TP	tert-Butyl alc		0.016	0.015	0.017	0.018	0.018	0.018	0.017	0.017	5.91
22)	TP	Diisopropyl ether		0.510	0.535	0.584	0.610	0.622	0.617	0.585	0.580	7.39
23)	TP	1,1-Dichloroet		0.288	0.354	0.356	0.367	0.367	0.365	0.333	0.347	8.25
24)	TP	Halothane		0.138	0.164	0.166	0.173	0.173	0.172	0.163	0.164	7.64
25)	TP	Acrylonitrile			0.043	0.054	0.058	0.060	0.059	0.057	0.055	11.48
26)	TP	Ethyl tert-but		0.538	0.557	0.599	0.617	0.635	0.631	0.601	0.597	6.18
27)	TP	Vinyl acetate			0.324	0.348	0.388	0.393	0.393	0.375	0.370	7.71
28)	TP	cis-1,2-Dichlo		0.203	0.228	0.231	0.237	0.239	0.236	0.225	0.228	5.35
29)	TP	2,2-Dichloropr		0.237	0.277	0.291	0.315	0.314	0.309	0.290	0.290	9.42
30)	TP	Bromochloromet		0.115	0.112	0.109	0.105	0.104	0.104	0.099	0.107	5.19
31)	TP	Cyclohexane		0.275	0.305	0.298	0.313	0.311	0.317	0.299	0.303	4.69
32)	TP	Chloroform		0.362	0.348	0.355	0.357	0.371	0.365	0.342	0.357	2.80
33)	TP	Ethyl acetate		0.110	0.137	0.154	0.164	0.170	0.167	0.158	0.152	14.10
34)	TP	Carbon tetrachloride	0.275	0.242	0.284	0.296	0.295	0.302	0.302	0.284	0.285	6.98
35)	TP	Tetrahydrofuran			0.057	0.045	0.048	0.050	0.048	0.045	0.049	8.77
36)	S	Dibromofluoromethane	0.257	0.257	0.259	0.259	0.261	0.259	0.264	0.261	0.260	0.96
37)	TP	1,1,1-Trichlor		0.249	0.319	0.313	0.332	0.333	0.330	0.312	0.312	9.41
39)	TP	2-Butanone			0.054	0.056	0.066	0.073	0.072	0.068	0.065	12.22

Initial Calibration Summary
Form 6
Volatiles

Client	**: Soils Engineering Services, Inc.**	**Lab Number**	**: L2542892**
Project Name	**: 20 GARDEN ST**	**Project Number**	**: 11672D**
Instrument ID	**: GONZO**	**Ical Ref**	**: ICAL22400**
Calibration dates	**: 06/20/25 01:35 06/20/25 06:01**		

Calibration Files
L11 =VG250619N04.D L1 =VG250619N06.D L2 =VG250619N08.D L3 =VG250619N10.D L4 =VG250619N11.D
L6 =VG250619N12.D L8 =VG250619N13.D L10 =VG250619N14.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP	1,1-Dichloropr		0.212	0.250	0.249	0.258	0.261	0.260	0.248	0.248	6.89
41) TP	Benzene	0.751	0.664	0.783	0.796	0.816	0.831	0.819	0.779	0.780	6.86
42) TP	Tertiary-Amyl Methyl Ether		0.515	0.539	0.561	0.591	0.606	0.600	0.570	0.569	5.87
43) S	1,2-Dichloroethane-d4	0.268	0.266	0.265	0.272	0.263	0.258	0.260	0.272	0.266	1.92
44) TP	1,2-Dichloroethane	0.262	0.254	0.242	0.250	0.262	0.265	0.260	0.250	0.256	3.19
47) TP	Methyl cyclohe		0.218	0.286	0.279	0.294	0.296	0.300	0.284	0.280	10.08
48) TP	Trichloroethene	0.278	0.141	0.194	0.217	0.221	0.225	0.222	0.212	0.214	17.69
50) TP	Dibromomethane		0.120	0.130	0.128	0.132	0.135	0.133	0.126	0.129	3.89
51) TP	1,2-Dichloropr		0.173	0.200	0.204	0.208	0.212	0.209	0.198	0.200	6.43
53) TP	2-Chloroethyl		0.066	0.085	0.091	0.101	0.105	0.105	0.103	0.094	15.45
54) TP	Bromodichlorom		0.251	0.282	0.285	0.293	0.297	0.295	0.280	0.283#	5.56
57) TP	1,4-Dioxane		0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002#	5.47
58) TP	cis-1,3-Dichloropropene	0.296	0.322	0.323	0.333	0.349	0.353	0.349	0.330	0.332	5.68
59) I	Chlorobenzene-d5	----------ISTD----------									
60) S	Toluene-d8	1.244	1.241	1.240	1.244	1.235	1.243	1.243	1.248	1.242	0.30
61) TP	Toluene		0.567	0.646	0.646	0.658	0.667	0.661	0.637	0.640	5.27
62) TP	4-Methyl-2-pen		0.067	0.076	0.078	0.082	0.084	0.082	0.079	0.078	7.41
63) TP	Tetrachloroethene	0.290	0.239	0.298	0.310	0.315	0.310	0.309	0.297	0.296	8.31
65) TP	trans-1,3-Dichloropropene	0.347	0.335	0.357	0.371	0.391	0.391	0.386	0.377	0.369	5.68
67) TP	Ethyl methacry		0.264	0.275	0.293	0.314	0.322	0.318	0.308	0.299	7.44
68) TP	1,1,2-Trichlor		0.195	0.179	0.185	0.195	0.196	0.193	0.188	0.190#	3.37
69) TP	Chlorodibromom		0.285	0.288	0.295	0.310	0.320	0.316	0.309	0.304	4.60
70) TP	1,3-Dichloropr		0.321	0.370	0.373	0.385	0.388	0.383	0.370	0.370	6.13
71) TP	1,2-Dibromoethane		0.223	0.234	0.242	0.252	0.253	0.246	0.239	0.241	4.34
72) TP	2-Hexanone			0.111	0.130	0.133	0.138	0.135	0.131	0.130	7.41
73) TP	Chlorobenzene		0.675	0.765	0.764	0.785	0.790	0.778	0.753	0.758	5.12
74) TP	Ethylbenzene		1.065	1.219	1.235	1.263	1.280	1.275	1.243	1.226	6.05
75) TP	1,1,1,2-Tetrac		0.266	0.280	0.290	0.300	0.306	0.304	0.296	0.292	4.92
76) TP	p/m Xylene		0.406	0.484	0.498	0.506	0.510	0.508	0.505	0.488	7.62
77) TP	o Xylene		0.422	0.485	0.492	0.502	0.510	0.502	0.513	0.490	6.42
78) TP	Styrene		0.678	0.798	0.838	0.872	0.883	0.902	0.908	0.840	9.65
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80) TP	Bromoform		0.343	0.359	0.360	0.387	0.400	0.398	0.383	0.376	5.78
82) TP	Isopropylbenzene		1.623	2.037	2.065	2.144	2.156	2.174	2.054	2.036	9.34
83) S	4-Bromofluorobenzene	0.843	0.825	0.834	0.824	0.827	0.810	0.824	0.811	0.825	1.32
84) TP	Bromobenzene		0.546	0.638	0.636	0.650	0.645	0.644	0.603	0.623	6.00

Initial Calibration Summary
Form 6
Volatiles

Client	**: Soils Engineering Services, Inc.**	**Lab Number**	**: L2542892**
Project Name	**: 20 GARDEN ST**	**Project Number**	**: 11672D**
Instrument ID	**: GONZO**	**Ical Ref**	**: ICAL22400**
Calibration dates	**: 06/20/25 01:35 06/20/25 06:01**		

Calibration Files
L11 =VG250619N04.D L1 =VG250619N06.D L2 =VG250619N08.D L3 =VG250619N10.D L4 =VG250619N11.D
L6 =VG250619N12.D L8 =VG250619N13.D L10 =VG250619N14.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85)	TP	n-Propylbenzene		1.909	2.281	2.358	2.441	2.479	2.478	2.352	2.328	8.55
86)	TP	1,4-Dichlorobu		0.700	0.641	0.644	0.671	0.679	0.680	0.643	0.666	3.46
87)	TP	1,1,2,2-Tetrachloroethane	0.572	0.549	0.517	0.502	0.523	0.528	0.526	0.496	0.527	4.68
88)	TP	4-Ethyltoluene		1.638	2.011	2.038	2.110	2.124	2.131	2.011	2.009	8.55
89)	TP	2-Chlorotoluene		1.295	1.476	1.465	1.505	1.526	1.526	1.451	1.463	5.47
90)	TP	1,3,5-Trimethy		1.390	1.757	1.756	1.829	1.850	1.841	1.832	1.751	9.36
91)	TP	1,2,3-Trichlor		0.356	0.396	0.395	0.414	0.419	0.415	0.408	0.400	5.43
92)	TP	trans-1,4-Dich		0.157	0.148	0.132	0.146	0.154	0.151	0.143	0.147	5.58
93)	TP	4-Chlorotoluene		1.380	1.452	1.555	1.604	1.622	1.618	1.541	1.539	5.96
94)	TP	tert-Butylbenzene		1.235	1.447	1.470	1.514	1.528	1.520	1.462	1.454	6.99
97)	TP	1,2,4-Trimethy		1.469	1.738	1.751	1.818	1.821	1.832	1.801	1.747	7.32
98)	TP	sec-Butylbenzene		1.610	1.956	2.003	2.064	2.101	2.111	2.033	1.983	8.72
99)	TP	p-Isopropyltol		1.362	1.744	1.801	1.888	1.888	1.911	1.888	1.783	10.93
100)	TP	1,3-Dichlorobe		0.992	1.143	1.134	1.177	1.172	1.176	1.124	1.131	5.74
101)	TP	1,4-Dichlorobe		1.100	1.143	1.168	1.192	1.195	1.192	1.140	1.161	3.07
102)	TP	p-Diethylbenzene		0.853	1.000	1.053	1.112	1.117	1.125	1.123	1.055	9.52
103)	TP	n-Butylbenzene		1.029	1.320	1.367	1.460	1.473	1.488	1.458	1.371	11.89
104)	TP	1,2-Dichlorobe		0.945	1.077	1.095	1.123	1.129	1.118	1.075	1.080	5.88
105)	TP	1,2,4,5-Tetram		1.318	1.554	1.607	1.655	1.670	1.682	1.691	1.597	8.28
106)	TP	1,2-Dibromo-3-		0.078	0.093	0.096	0.098	0.105	0.104	0.098	0.096	9.36
107)	TP	1,3,5-Trichlor		0.620	0.718	0.741	0.753	0.740	0.735	0.672	0.711	6.79
108)	TP	Hexachlorobuta		0.187	0.231	0.228	0.240	0.239	0.238	0.218	0.226	8.31
109)	TP	1,2,4-Trichlor		0.564	0.619	0.633	0.649	0.635	0.623	0.558	0.612	5.82
110)	TP	Naphthalene		1.187	1.288	1.279	1.321	1.327	1.316	1.194	1.273	4.63
111)	TP	1,2,3-Trichlor		0.431	0.478	0.487	0.499	0.496	0.483	0.417	0.470	6.95

Response Factor Report Gonzo

Method Path : K:\Gonzo\2025\250619NICAL\
Method File : G_250619N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Jun 20 07:10:41 2025
Response Via : Initial Calibration

Calibration Files
L11 =VG250619N04.D L1 =VG250619N06.D L2 =VG250619N08.D L3 =VG250619N10.D L4 =VG250619N11.D
L6 =VG250619N12.D L8 =VG250619N13.D L10 =VG250619N14.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------	----------	ISTD	----------	----------	----------	----------	----------		
2)	TP	Dichlorodifluo...		0.195	0.224	0.223	0.227	0.226	0.228	0.211	0.219	5.51
3)	TP	Chloromethane		0.202	0.205	0.200	0.206	0.208	0.210	0.201	0.205	1.78
4)	TP	Vinyl chloride	0.214	0.183	0.230	0.234	0.236	0.240	0.237	0.229	0.225	8.41
5)	TP	Bromomethane		0.144	0.148	0.136	0.152	0.163	0.170	0.168	0.154	8.28
6)	TP	Chloroethane		0.180	0.160	0.154	0.147	0.123			0.153	13.76
7)	TP	Trichlorofluor...		0.213	0.280	0.309	0.327	0.327	0.333	0.318	0.301	14.13
8)	TP	Ethyl ether		0.103	0.103	0.107	0.113	0.115	0.114	0.108	0.109	4.92
10)	TP	1,1-Dichloroet...		0.143	0.181	0.181	0.190	0.193	0.194	0.184	0.181	9.64
11)	TP	Carbon disulfide		0.471	0.546	0.546	0.566	0.577	0.580	0.553	0.549	6.71
12)	TP	Freon-113		0.136	0.182	0.184	0.194	0.191	0.195	0.185	0.181	11.36
13)	TP	Iodomethane			0.152	0.172	0.228	0.259	0.256	0.242	*L	0.9974
14)	TP	Acrolein			0.024	0.030	0.029	0.030	0.030	0.029	0.029	7.61
15)	TP	Methylene chlo...		0.294	0.221	0.204	0.210	0.209	0.208	0.196	0.220	15.17
17)	TP	Acetone			0.049	0.039	0.041	0.043	0.043	0.041	0.043	8.19
18)	TP	trans-1,2-Dich...		0.151	0.200	0.198	0.207	0.211	0.209	0.198	0.196	10.55
19)	TP	Methyl acetate			0.081	0.097	0.108	0.108	0.109	0.102	0.101	10.70
20)	TP	Methyl tert-bu...		0.514	0.549	0.571	0.600	0.604	0.597	0.565	0.572	5.67
21)	TP	tert-Butyl alc...		0.016	0.015	0.017	0.018	0.018	0.018	0.017	0.017	5.91
22)	TP	Diisopropyl ether		0.510	0.535	0.584	0.610	0.622	0.617	0.585	0.580	7.39
23)	TP	1,1-Dichloroet...		0.288	0.354	0.356	0.367	0.367	0.365	0.333	0.347	8.25
24)	TP	Halothane		0.138	0.164	0.166	0.173	0.173	0.172	0.163	0.164	7.64
25)	TP	Acrylonitrile			0.043	0.054	0.058	0.060	0.059	0.057	0.055	11.48
26)	TP	Ethyl tert-but...		0.538	0.557	0.599	0.617	0.635	0.631	0.601	0.597	6.18
27)	TP	Vinyl acetate			0.324	0.348	0.388	0.393	0.393	0.375	0.370	7.71
28)	TP	cis-1,2-Dichlo...		0.203	0.228	0.231	0.237	0.239	0.236	0.225	0.228	5.35
29)	TP	2,2-Dichloropr...		0.237	0.277	0.291	0.315	0.314	0.309	0.290	0.290	9.42
30)	TP	Bromochloromet...		0.115	0.112	0.109	0.105	0.104	0.104	0.099	0.107	5.19
31)	TP	Cyclohexane		0.275	0.305	0.298	0.313	0.311	0.317	0.299	0.303	4.69
32)	TP	Chloroform		0.362	0.348	0.355	0.357	0.371	0.365	0.342	0.357	2.80
33)	TP	Ethyl acetate		0.110	0.137	0.154	0.164	0.170	0.167	0.158	0.152	14.10

Method Path : K:\Gonzo\2025\250619NICAL\
Method File : G_250619N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Jun 20 07:10:41 2025
Response Via : Initial Calibration

Calibration Files
L11 =VG250619N04.D L1 =VG250619N06.D L2 =VG250619N08.D L3 =VG250619N10.D L4 =VG250619N11.D
L6 =VG250619N12.D L8 =VG250619N13.D L10 =VG250619N14.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
34)	TP	Carbon tetrach...	0.275	0.242	0.284	0.296	0.295	0.302	0.302	0.284	0.285	6.98
35)	TP	Tetrahydrofuran			0.057	0.045	0.048	0.050	0.048	0.045	0.049	8.77
36)	S	Dibromofluorom...	0.257	0.257	0.259	0.259	0.261	0.259	0.264	0.261	0.260	0.96
37)	TP	1,1,1-Trichlor...		0.249	0.319	0.313	0.332	0.333	0.330	0.312	0.312	9.41
39)	TP	2-Butanone			0.054	0.056	0.066	0.073	0.072	0.068	0.065	12.22
40)	TP	1,1-Dichloropr...		0.212	0.250	0.249	0.258	0.261	0.260	0.248	0.248	6.89
41)	TP	Benzene	0.751	0.664	0.783	0.796	0.816	0.831	0.819	0.779	0.780	6.86
42)	TP	tert-Amyl meth...		0.515	0.539	0.561	0.591	0.606	0.600	0.570	0.569	5.87
43)	S	1,2-Dichloroet...	0.268	0.266	0.265	0.272	0.263	0.258	0.260	0.272	0.266	1.92
44)	TP	1,2-Dichloroet...	0.262	0.254	0.242	0.250	0.262	0.265	0.260	0.250	0.256	3.19
47)	TP	Methyl cyclohe...		0.218	0.286	0.279	0.294	0.296	0.300	0.284	0.280	10.08
48)	TP	Trichloroethene	0.278	0.141	0.194	0.217	0.221	0.225	0.222	0.212	0.214	17.69
50)	TP	Dibromomethane		0.120	0.130	0.128	0.132	0.135	0.133	0.126	0.129	3.89
51)	TP	1,2-Dichloropr...		0.173	0.200	0.204	0.208	0.212	0.209	0.198	0.200	6.43
53)	TP	2-Chloroethyl ...		0.066	0.085	0.091	0.101	0.105	0.105	0.103	0.094	15.45
54)	TP	Bromodichlorom...		0.251	0.282	0.285	0.293	0.297	0.295	0.280	0.283#	5.56
57)	TP	1,4-Dioxane		0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002#	5.47
58)	TP	cis-1,3-Dichlo...	0.296	0.322	0.323	0.333	0.349	0.353	0.349	0.330	0.332	5.68
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.244	1.241	1.240	1.244	1.235	1.243	1.243	1.248	1.242	0.30
61)	TP	Toluene		0.567	0.646	0.646	0.658	0.667	0.661	0.637	0.640	5.27
62)	TP	4-Methyl-2-pen...		0.067	0.076	0.078	0.082	0.084	0.082	0.079	0.078	7.41
63)	TP	Tetrachloroethene	0.290	0.239	0.298	0.310	0.315	0.310	0.309	0.297	0.296	8.31
65)	TP	trans-1,3-Dich...	0.347	0.335	0.357	0.371	0.391	0.391	0.386	0.377	0.369	5.68
67)	TP	Ethyl methacry...		0.264	0.275	0.293	0.314	0.322	0.318	0.308	0.299	7.44
68)	TP	1,1,2-Trichlor...		0.195	0.179	0.185	0.195	0.196	0.193	0.188	0.190#	3.37
69)	TP	Chlorodibromom...		0.285	0.288	0.295	0.310	0.320	0.316	0.309	0.304	4.60
70)	TP	1,3-Dichloropr...		0.321	0.370	0.373	0.385	0.388	0.383	0.370	0.370	6.13
71)	TP	1,2-Dibromoethane		0.223	0.234	0.242	0.252	0.253	0.246	0.239	0.241	4.34
72)	TP	2-Hexanone			0.111	0.130	0.133	0.138	0.135	0.131	0.130	7.41
73)	TP	Chlorobenzene		0.675	0.765	0.764	0.785	0.790	0.778	0.753	0.758	5.12

Method Path : K:\Gonzo\2025\250619NICAL\
Method File : G_250619N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Jun 20 07:10:41 2025
Response Via : Initial Calibration

Calibration Files
L11 =VG250619N04.D L1 =VG250619N06.D L2 =VG250619N08.D L3 =VG250619N10.D L4 =VG250619N11.D
L6 =VG250619N12.D L8 =VG250619N13.D L10 =VG250619N14.D

	Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
74)	TP	Ethylbenzene		1.065	1.219	1.235	1.263	1.280	1.275	1.243	1.226	6.05
75)	TP	1,1,1,2-Tetrac...		0.266	0.280	0.290	0.300	0.306	0.304	0.296	0.292	4.92
76)	TP	p/m Xylene		0.406	0.484	0.498	0.506	0.510	0.508	0.505	0.488	7.62
77)	TP	o Xylene		0.422	0.485	0.492	0.502	0.510	0.502	0.513	0.490	6.42
78)	TP	Styrene		0.678	0.798	0.838	0.872	0.883	0.902	0.908	0.840	9.65
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80)	TP	Bromoform		0.343	0.359	0.360	0.387	0.400	0.398	0.383	0.376	5.78
82)	TP	Isopropylbenzene		1.623	2.037	2.065	2.144	2.156	2.174	2.054	2.036	9.34
83)	S	4-Bromofluorob...	0.843	0.825	0.834	0.824	0.827	0.810	0.824	0.811	0.825	1.32
84)	TP	Bromobenzene		0.546	0.638	0.636	0.650	0.645	0.644	0.603	0.623	6.00
85)	TP	n-Propylbenzene		1.909	2.281	2.358	2.441	2.479	2.478	2.352	2.328	8.55
86)	TP	1,4-Dichlorobu...		0.700	0.641	0.644	0.671	0.679	0.680	0.643	0.666	3.46
87)	TP	1,1,2,2-Tetrac...	0.572	0.549	0.517	0.502	0.523	0.528	0.526	0.496	0.527	4.68
88)	TP	4-Ethyltoluene		1.638	2.011	2.038	2.110	2.124	2.131	2.011	2.009	8.55
89)	TP	2-Chlorotoluene		1.295	1.476	1.465	1.505	1.526	1.526	1.451	1.463	5.47
90)	TP	1,3,5-Trimethy...		1.390	1.757	1.756	1.829	1.850	1.841	1.832	1.751	9.36
91)	TP	1,2,3-Trichlor...		0.356	0.396	0.395	0.414	0.419	0.415	0.408	0.400	5.43
92)	TP	trans-1,4-Dich...		0.157	0.148	0.132	0.146	0.154	0.151	0.143	0.147	5.58
93)	TP	4-Chlorotoluene		1.380	1.452	1.555	1.604	1.622	1.618	1.541	1.539	5.96
94)	TP	tert-Butylbenzene		1.235	1.447	1.470	1.514	1.528	1.520	1.462	1.454	6.99
97)	TP	1,2,4-Trimethy...		1.469	1.738	1.751	1.818	1.821	1.832	1.801	1.747	7.32
98)	TP	sec-Butylbenzene		1.610	1.956	2.003	2.064	2.101	2.111	2.033	1.983	8.72
99)	TP	p-Isopropyltol...		1.362	1.744	1.801	1.888	1.888	1.911	1.888	1.783	10.93
100)	TP	1,3-Dichlorobe...		0.992	1.143	1.134	1.177	1.172	1.176	1.124	1.131	5.74
101)	TP	1,4-Dichlorobe...		1.100	1.143	1.168	1.192	1.195	1.192	1.140	1.161	3.07
102)	TP	p-Diethylbenzene		0.853	1.000	1.053	1.112	1.117	1.125	1.123	1.055	9.52
103)	TP	n-Butylbenzene		1.029	1.320	1.367	1.460	1.473	1.488	1.458	1.371	11.89
104)	TP	1,2-Dichlorobe...		0.945	1.077	1.095	1.123	1.129	1.118	1.075	1.080	5.88
105)	TP	1,2,4,5-Tetram...		1.318	1.554	1.607	1.655	1.670	1.682	1.691	1.597	8.28
106)	TP	1,2-Dibromo-3-...		0.078	0.093	0.096	0.098	0.105	0.104	0.098	0.096	9.36
107)	TP	1,3,5-Trichlor...		0.620	0.718	0.741	0.753	0.740	0.735	0.672	0.711	6.79

Method Path : K:\Gonzo\2025\250619NICAL\
Method File : G_250619N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Jun 20 07:10:41 2025
Response Via : Initial Calibration

Calibration Files
L11 =VG250619N04.D L1 =VG250619N06.D L2 =VG250619N08.D L3 =VG250619N10.D L4 =VG250619N11.D
L6 =VG250619N12.D L8 =VG250619N13.D L10 =VG250619N14.D

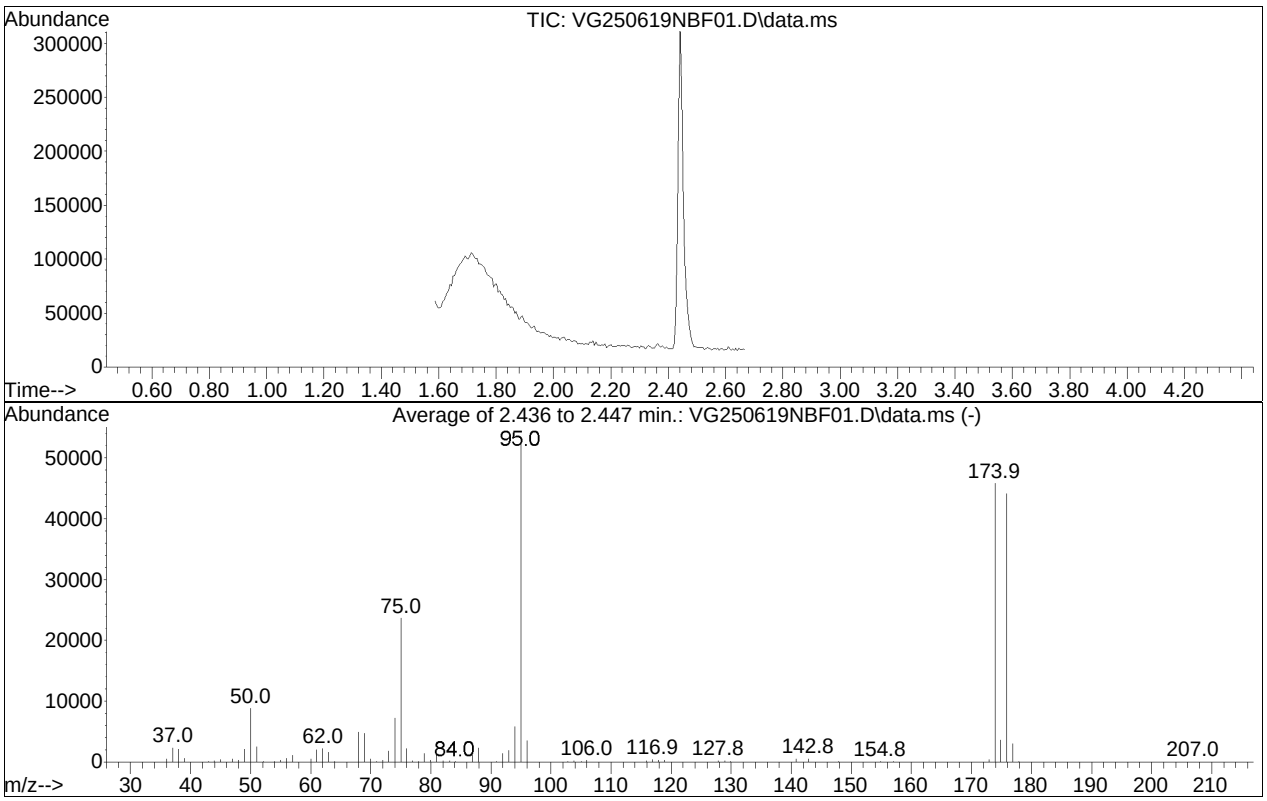
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
108)	TP Hexachlorobuta...	0.187	0.231	0.228	0.240	0.239	0.238	0.218	0.226	8.31	
109)	TP 1,2,4-Trichlor...	0.564	0.619	0.633	0.649	0.635	0.623	0.558	0.612	5.82	
110)	TP Naphthalene	1.187	1.288	1.279	1.321	1.327	1.316	1.194	1.273	4.63	
111)	TP 1,2,3-Trichlor...	0.431	0.478	0.487	0.499	0.496	0.483	0.417	0.470	6.95	

(#) = Out of Range

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619NBF01.D
Acq On : 19 Jun 2025 11:16 pm
Operator : GONZO:TMS
Sample : WG2081469-1
Misc : WG2081469
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Jun 20 07:10:41 2025



AutoFind: Scans 163, 164, 165; Background Corrected with Scan 155

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.8	8832	PASS
75	95	30	60	45.2	23723	PASS
95	95	100	100	100.0	52520	PASS
96	95	5	9	6.6	3484	PASS
173	174	0.00	2	0.8	385	PASS
174	95	50	100	87.3	45835	PASS
175	174	5	9	8.0	3657	PASS
176	174	95	101	96.2	44115	PASS
177	176	5	9	6.8	3004	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N04.D
Acq On : 20 Jun 2025 1:35 am
Operator : GONZO:PID
Sample : I8260STD0.19PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 20 07:07:06 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
Sub List : 8260-L11_NJnew - L11 new NJ

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.957	96	560234	10.000 ug/L	0.00
Standard Area 1 = 552092			Recovery =	101.47%	
59) Chlorobenzene-d5	9.484	117	437183	10.000 ug/L	0.00
Standard Area 1 = 440365			Recovery =	99.28%	
79) 1,4-Dichlorobenzene-d4	12.198	152	246976	10.000 ug/L	0.00
Standard Area 1 = 255053			Recovery =	96.83%	
System Monitoring Compounds					
36) Dibromofluoromethane	5.150	113	143739	9.884 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.84%	
43) 1,2-Dichloroethane-d4	5.674	65	150365	10.100 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.00%	
60) Toluene-d8	7.643	98	543936	10.016 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.16%	
83) 4-Bromofluorobenzene	10.988	95	208199	10.221 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.21%	
Target Compounds					Qvalue
4) Vinyl chloride	1.870	62	2276	0.180 ug/L	87
34) Carbon tetrachloride	5.100	117	2932	0.184 ug/L	94
41) Benzene	5.540	78	7995	0.183 ug/L #	86
44) 1,2-Dichloroethane	5.752	62	2792	0.195 ug/L	92
48) Trichloroethene	6.133	95	2957	0.247 ug/L #	77
58) cis-1,3-Dichloropropene	7.452	75	3151	0.170 ug/L #	74
63) Tetrachloroethene	8.151	166	2411	0.186 ug/L	97
65) trans-1,3-Dichloropropene	8.214	75	2884M6	0.179 ug/L	
87) 1,1,2,2-Tetrachloroethane	11.243	83	2686	0.206 ug/L	97

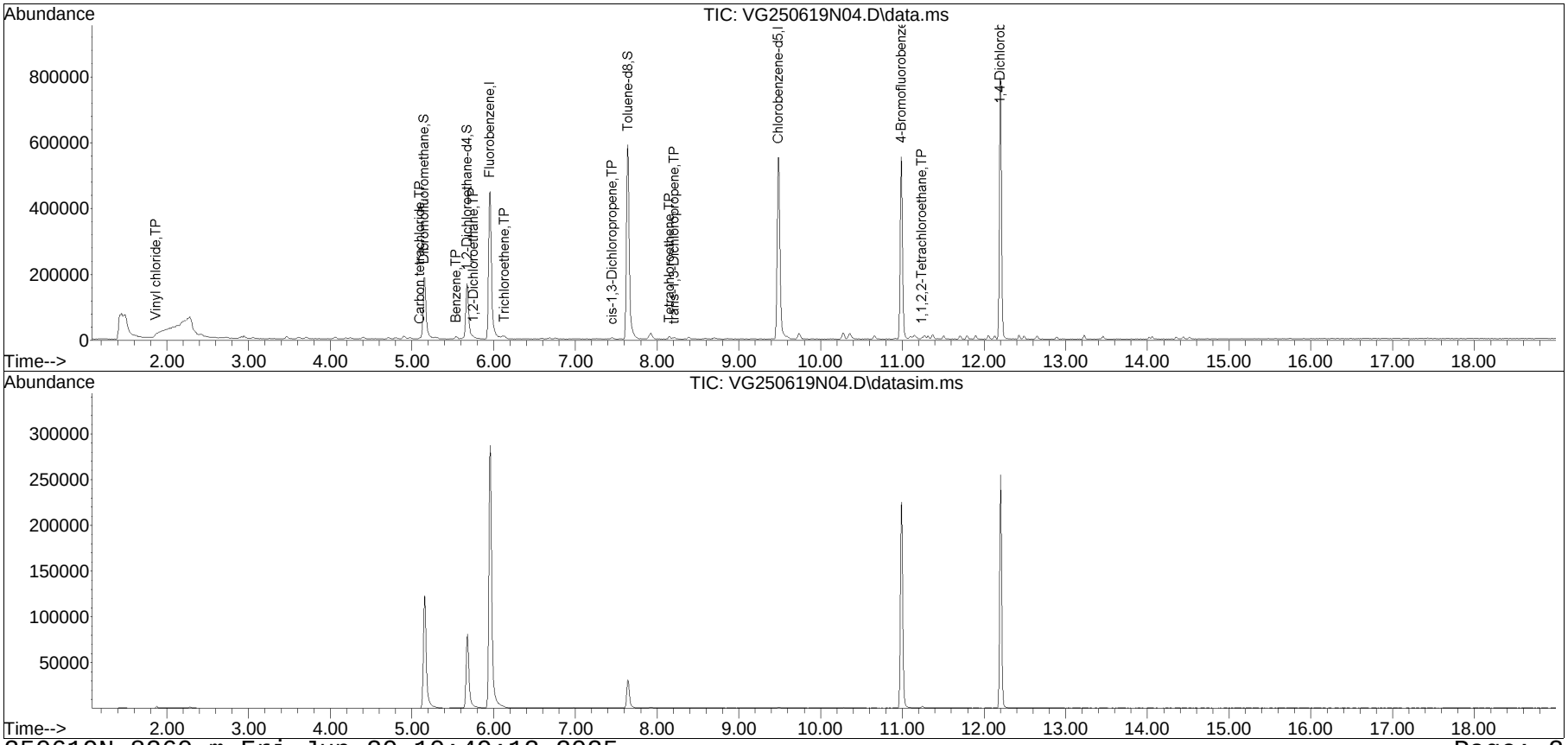
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N04.D
Acq On : 20 Jun 2025 1:35 am
Operator : GONZO:PID
Sample : I8260STD0.19PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 20 07:07:06 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

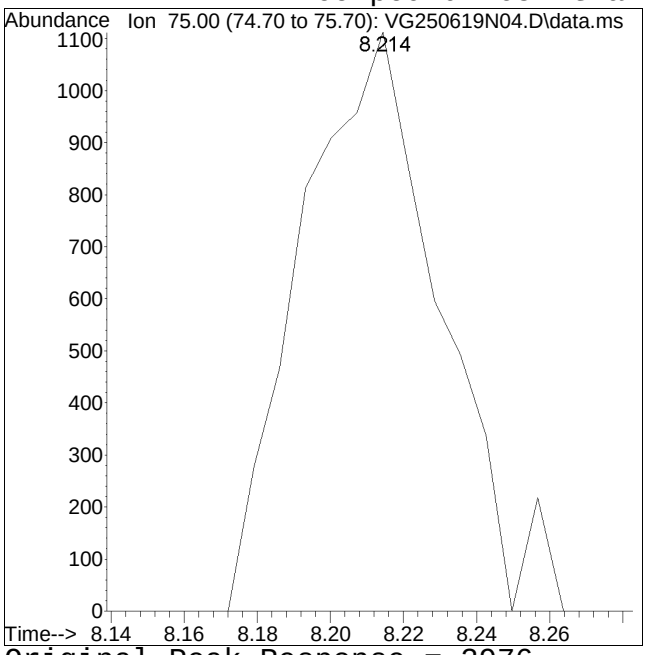
Sub List : 8260-L11_NJnew - L11 new NJAL\VG250619N10.D•



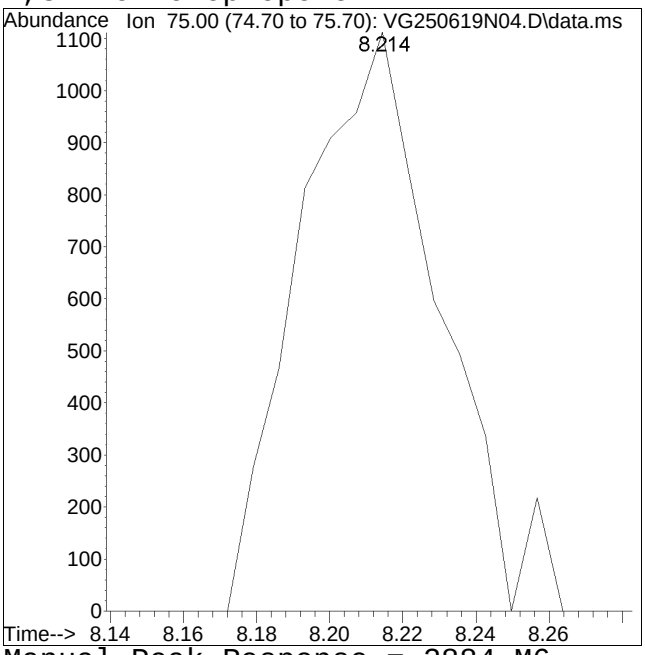
Manual Integration Report

Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N04.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 1:35 am Instrument : Gonzo
Sample : I8260STD0.19PPB Quant Date : 6/20/2025 7:06 am

Compound #65: trans-1,3-Dichloropropene



Original Peak Response = 2976



Manual Peak Response = 2884 M6

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N06.D
Acq On : 20 Jun 2025 2:28 am
Operator : GONZO:PID
Sample : I8260STD0.5PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 20 07:07:15 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.957	96	550951	10.000	ug/L	0.00
Standard Area 1 = 552092			Recovery = 99.79%			
59) Chlorobenzene-d5	9.484	117	435290	10.000	ug/L	0.00
Standard Area 1 = 440365			Recovery = 98.85%			
79) 1,4-Dichlorobenzene-d4	12.205	152	249454	10.000	ug/L	0.00
Standard Area 1 = 255053			Recovery = 97.80%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.150	113	141399	9.887	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.87%			
43) 1,2-Dichloroethane-d4	5.674	65	146762	10.024	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.24%			
60) Toluene-d8	7.643	98	540052	9.988	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.88%			
83) 4-Bromofluorobenzene	10.988	95	205892	10.007	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.07%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.614	85	5367	0.445	ug/L	96
3) Chloromethane	1.827	50	5575	0.494	ug/L #	96
4) Vinyl chloride	1.870	62	5032	0.406	ug/L	99
5) Bromomethane	2.176	94	3961	0.466	ug/L	91
6) Chloroethane	2.283	64	4969	0.680	ug/L	68
7) Trichlorofluoromethane	2.425	101	5879	0.354	ug/L	99
8) Ethyl ether	2.724	74	2828	0.471	ug/L #	87
10) 1,1-Dichloroethene	2.916	96	3952	0.396	ug/L	97
11) Carbon disulfide	2.944	76	12973	0.429	ug/L	100
12) Freon-113	2.951	101	3742	0.375	ug/L	79
13) Iodomethane	3.058	142	5150	0.437	ug/L	94
14) Acrolein	0.000		0	N.D.	d	
15) Methylene chloride	3.471	84	8107	0.668	ug/L	88
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	3.620	96	4158	0.385	ug/L	96
19) Methyl acetate	0.000		0	N.D.	d	
20) Methyl tert-butyl ether	3.698	73	14171	0.450	ug/L #	85
21) tert-Butyl alcohol	3.805	59	2271M6	2.416	ug/L	
22) Diisopropyl ether	4.061	45	14052	0.439	ug/L	96
23) 1,1-Dichloroethane	4.196	63	7929	0.415	ug/L	97
24) Halothane	4.253	117	3790	0.419	ug/L	91

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N06.D
Acq On : 20 Jun 2025 2:28 am
Operator : GONZO:PID
Sample : I8260STD0.5PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 20 07:07:15 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
25) Acrylonitrile	0.000		0	N.D. d	
26) Ethyl tert-butyl ether	4.403	59	14819	0.451 ug/L #	65
27) Vinyl acetate	0.000		0	N.D. d	
28) cis-1,2-Dichloroethene	4.709	96	5596	0.445 ug/L #	92
29) 2,2-Dichloropropane	4.808	77	6536	0.409 ug/L	85
30) Bromochloromethane	4.908	128	3163	0.537 ug/L	89
31) Cyclohexane	4.894	56	7562	0.454 ug/L	85
32) Chloroform	4.972	83	9985	0.508 ug/L	95
33) Ethyl acetate	5.107	43	3041M6	0.364 ug/L	
34) Carbon tetrachloride	5.100	117	6662	0.424 ug/L	91
35) Tetrahydrofuran	0.000		0	N.D. d	
37) 1,1,1-Trichloroethane	5.157	97	6854	0.398 ug/L	99
39) 2-Butanone	0.000		0	N.D. d	
40) 1,1-Dichloropropene	5.299	75	5831	0.426 ug/L	92
41) Benzene	5.540	78	18286	0.426 ug/L	98
42) tert-Amyl methyl ether	5.639	73	14188	0.453 ug/L	94
44) 1,2-Dichloroethane	5.752	62	6991	0.496 ug/L	85
47) Methyl cyclohexane	6.105	83	5996M6	0.389 ug/L	
48) Trichloroethene	6.133	95	3897	0.331 ug/L #	76
50) Dibromomethane	6.592	93	3298	0.464 ug/L	96
51) 1,2-Dichloropropane	6.676	63	4775	0.432 ug/L	93
53) 2-Chloroethyl vinyl ether	7.396	63	1812	0.352 ug/L #	71
54) Bromodichloromethane	6.761	83	6912	0.443 ug/L #	93
57) 1,4-Dioxane	6.966	88	10073	89.167 ug/L	91
58) cis-1,3-Dichloropropene	7.445	75	8861	0.485 ug/L	97
61) Toluene	7.699	92	12349	0.443 ug/L	95
62) 4-Methyl-2-pentanone	8.151	58	1448M6	0.426 ug/L	
63) Tetrachloroethene	8.151	166	5203	0.404 ug/L	91
65) trans-1,3-Dichloropropene	8.193	75	7296	0.454 ug/L	86
67) Ethyl methacrylate	8.384	69	5756	0.442 ug/L	97
68) 1,1,2-Trichloroethane	8.384	83	4242	0.513 ug/L	90
69) Chlorodibromomethane	8.595	129	6212	0.470 ug/L	87
70) 1,3-Dichloropropane	8.701	76	6987	0.434 ug/L	94
71) 1,2-Dibromoethane	8.864	107	4858	0.462 ug/L	99
72) 2-Hexanone	0.000		0	N.D. d	
73) Chlorobenzene	9.506	112	14700	0.445 ug/L #	74
74) Ethylbenzene	9.541	91	23188M4	0.435 ug/L	
75) 1,1,1,2-Tetrachloroethane	9.590	131	5797	0.457 ug/L	91
76) p/m Xylene	9.731	106	17687	0.832 ug/L	96
77) o Xylene	10.275	106	18358	0.862 ug/L	98

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N06.D
Acq On : 20 Jun 2025 2:28 am
Operator : GONZO:PID
Sample : I8260STD0.5PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 20 07:07:15 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.352	104	29512	0.807	ug/L		97
80) Bromoform	10.373	173	4284	0.457	ug/L		99
82) Isopropylbenzene	10.663	105	20240	0.399	ug/L		94
84) Bromobenzene	11.102	156	6812	0.438	ug/L		94
85) n-Propylbenzene	11.144	91	23807	0.410	ug/L		97
86) 1,4-Dichlorobutane	11.172	55	8732M6	0.526	ug/L		
87) 1,1,2,2-Tetrachloroethane	11.243	83	6845	0.521	ug/L		96
88) 4-Ethyltoluene	11.271	105	20426	0.408	ug/L		93
89) 2-Chlorotoluene	11.314	91	16146M6	0.442	ug/L		
90) 1,3,5-Trimethylbenzene	11.370	105	17332	0.397	ug/L		100
91) 1,2,3-Trichloropropane	11.377	75	4435	0.444	ug/L		95
92) trans-1,4-Dichloro-2-b...	11.441	53	1952	0.533	ug/L	#	87
93) 4-Chlorotoluene	11.498	91	17214	0.448	ug/L		97
94) tert-Butylbenzene	11.710	119	15401	0.425	ug/L		98
97) 1,2,4-Trimethylbenzene	11.788	105	18322	0.420	ug/L		96
98) sec-Butylbenzene	11.894	105	20087	0.406	ug/L		97
99) p-Isopropyltoluene	12.056	119	16994	0.382	ug/L		94
100) 1,3-Dichlorobenzene	12.127	146	12373	0.439	ug/L		97
101) 1,4-Dichlorobenzene	12.219	146	13718	0.473	ug/L	#	87
102) p-Diethylbenzene	12.424	119	10639	0.404	ug/L		99
103) n-Butylbenzene	12.488	91	12831	0.375	ug/L		97
104) 1,2-Dichlorobenzene	12.644	146	11786	0.437	ug/L		98
105) 1,2,4,5-Tetramethylben...	13.224	119	16434	0.413	ug/L		95
106) 1,2-Dibromo-3-chloropr...	13.429	155	970	0.405	ug/L	#	64
107) 1,3,5-Trichlorobenzene	13.450	180	7732	0.436	ug/L		95
108) Hexachlorobutadiene	14.023	225	2330	0.414	ug/L		94
109) 1,2,4-Trichlorobenzene	14.058	180	7038	0.461	ug/L		94
110) Naphthalene	14.348	128	14811	0.466	ug/L		100
111) 1,2,3-Trichlorobenzene	14.511	180	5377	0.458	ug/L		92

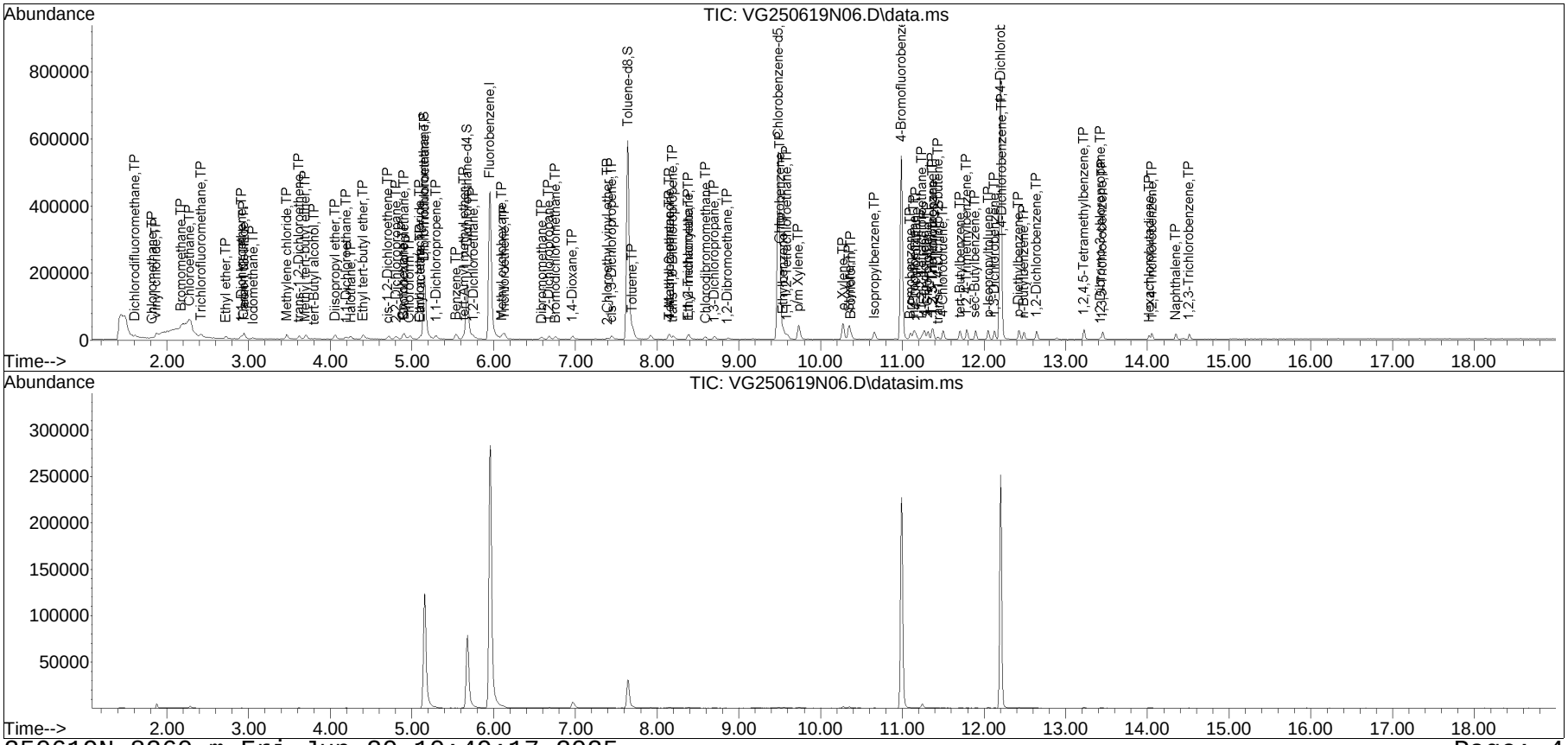
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N06.D
Acq On : 20 Jun 2025 2:28 am
Operator : GONZO:PID
Sample : I8260STD0.5PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 20 07:07:15 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

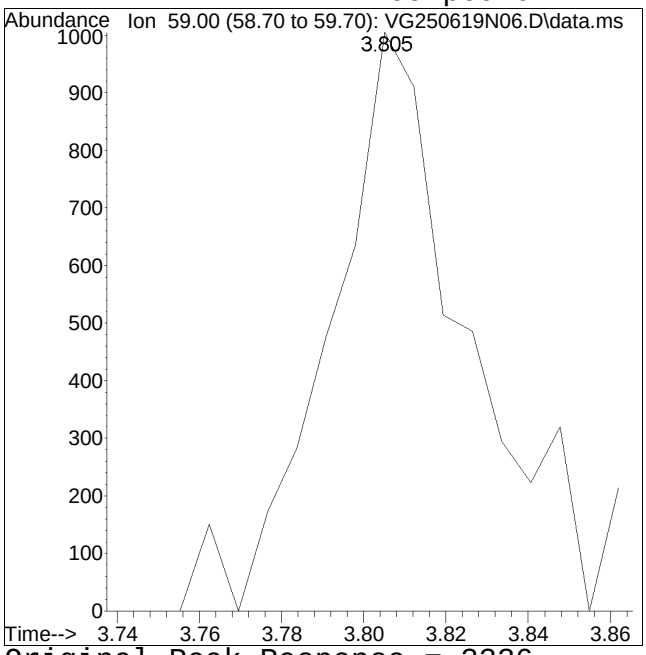
Sub List : 8260-Curve - Megamix plus DioxVG250619N10.D•



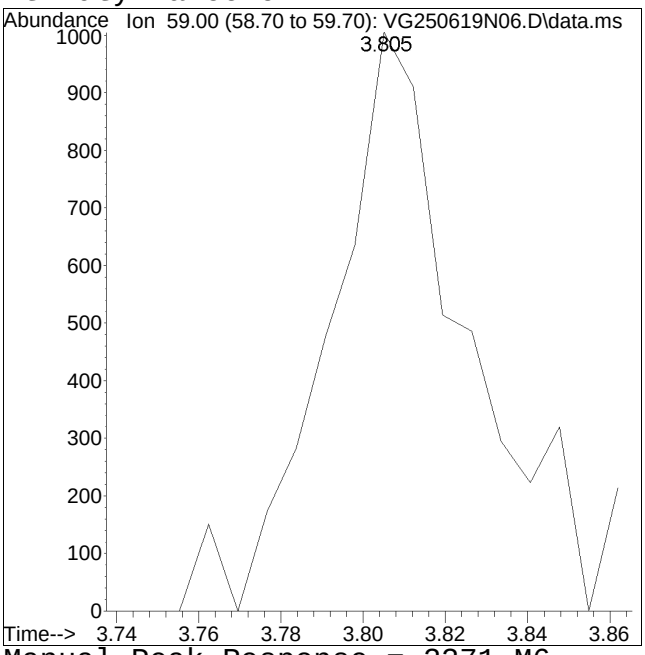
Manual Integration Report

Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N06.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 2:28 am Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 6/20/2025 7:07 am

Compound #21: tert-Butyl alcohol



Original Peak Response = 2336



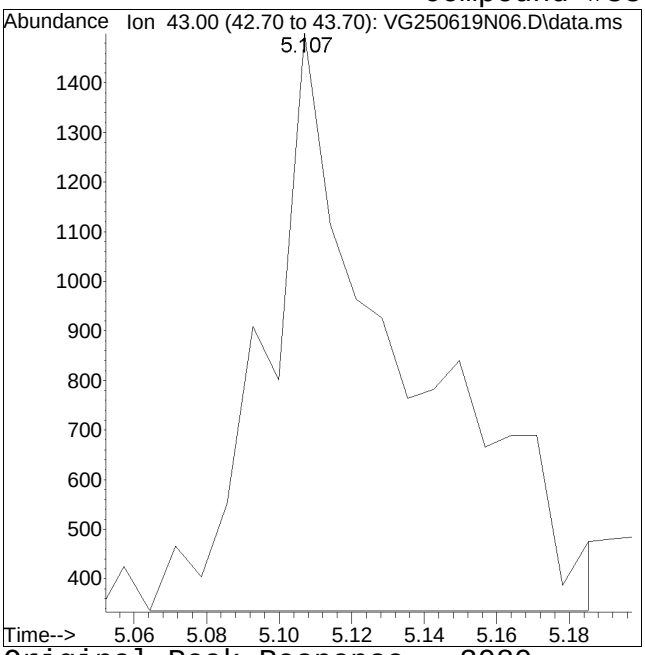
Manual Peak Response = 2271 M6

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

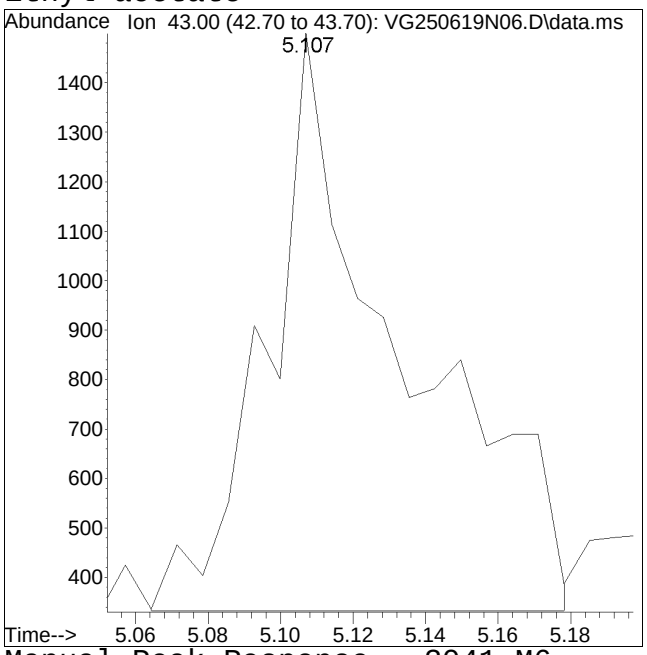
Manual Integration Report

Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N06.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 2:28 am Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 6/20/2025 7:07 am

Compound #33: Ethyl acetate



Original Peak Response = 3080



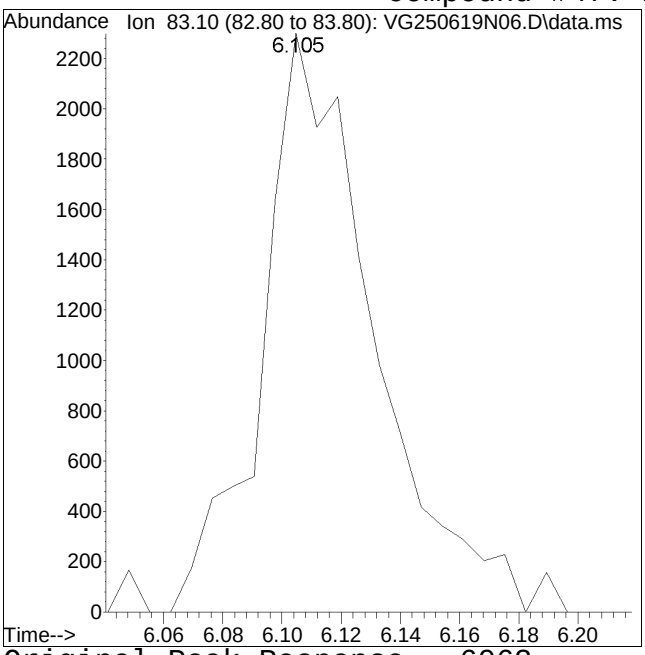
Manual Peak Response = 3041 M6

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

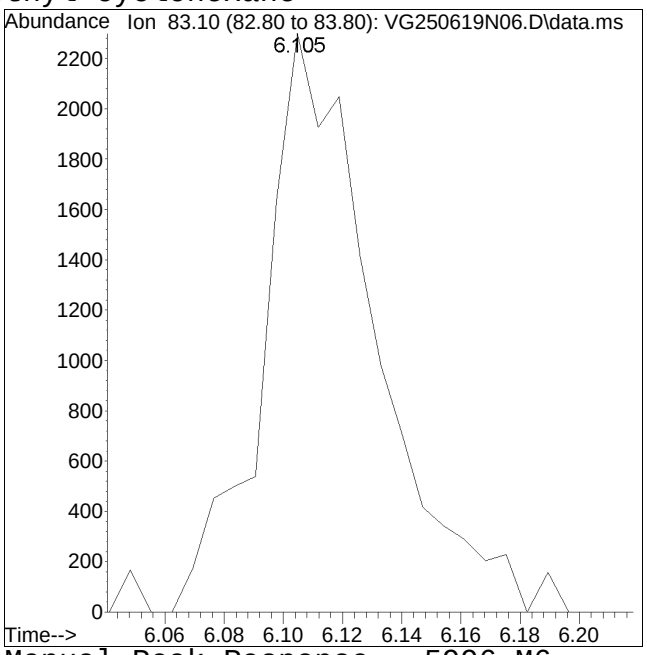
Manual Integration Report

Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N06.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 2:28 am Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 6/20/2025 7:07 am

Compound #47: Methyl cyclohexane



Original Peak Response = 6063



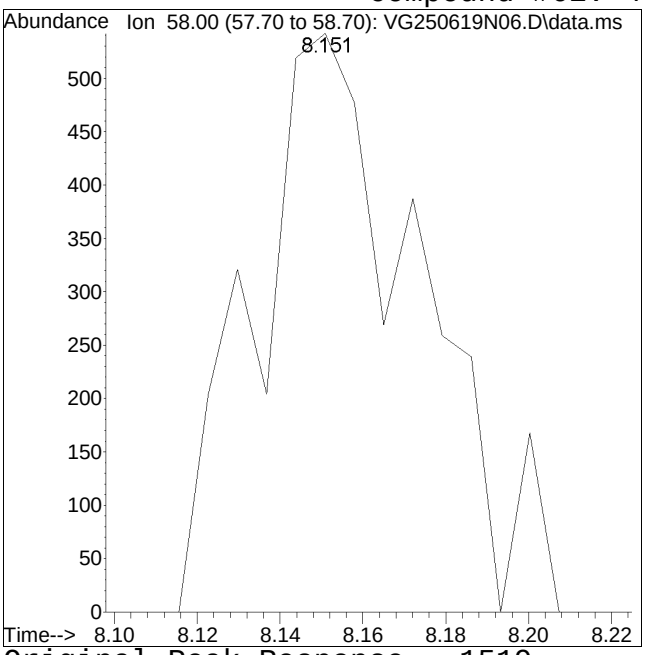
Manual Peak Response = 5996 M6

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

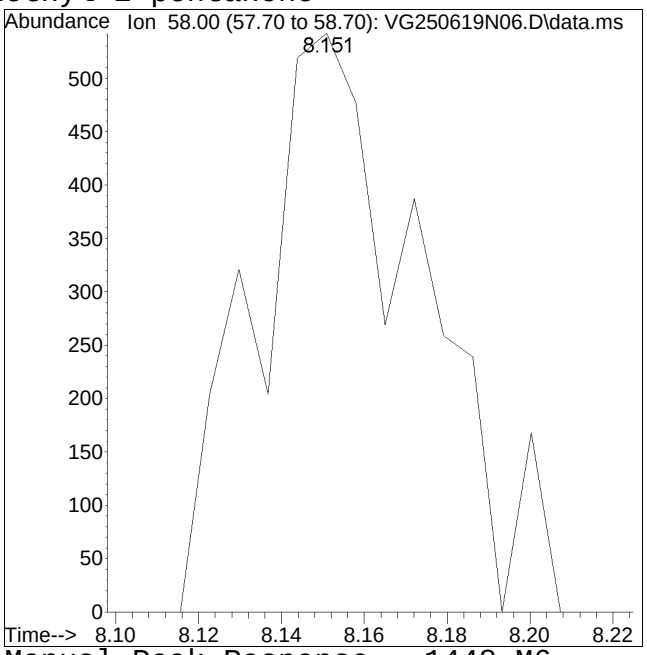
Manual Integration Report

Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N06.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 2:28 am Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 6/20/2025 7:07 am

Compound #62: 4-Methyl-2-pentanone



Original Peak Response = 1519



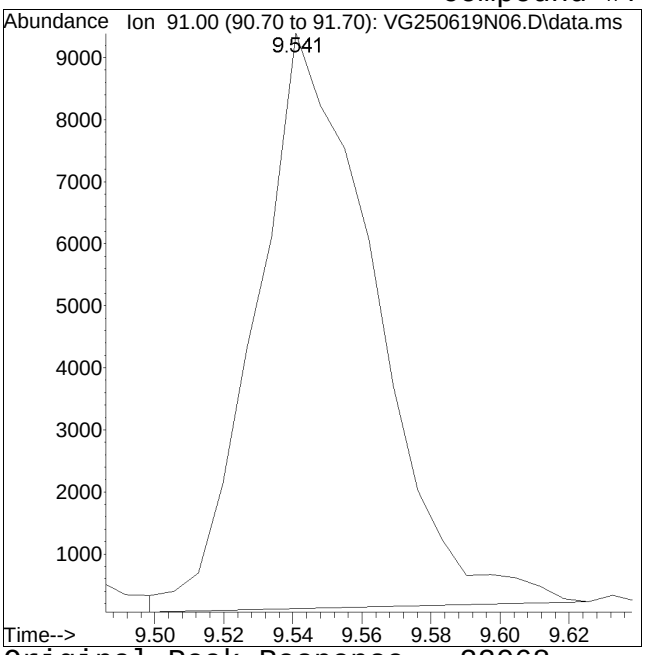
Manual Peak Response = 1448 M6

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

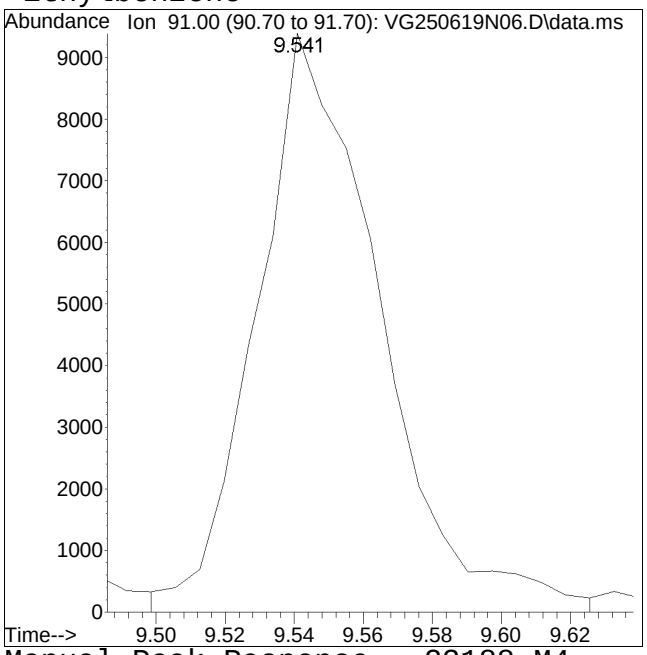
Manual Integration Report

Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N06.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 2:28 am Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 6/20/2025 7:07 am

Compound #74: Ethylbenzene



Original Peak Response = 22068



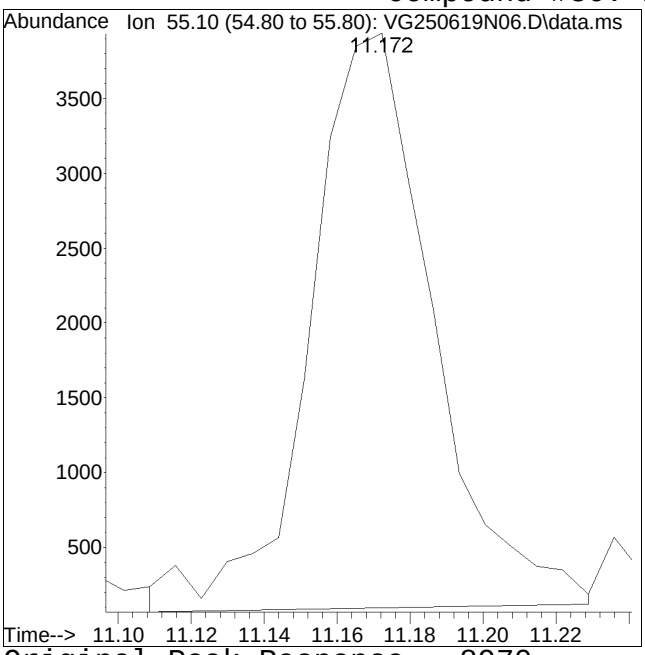
Manual Peak Response = 23188 M4

M4 = Poor automated baseline construction.

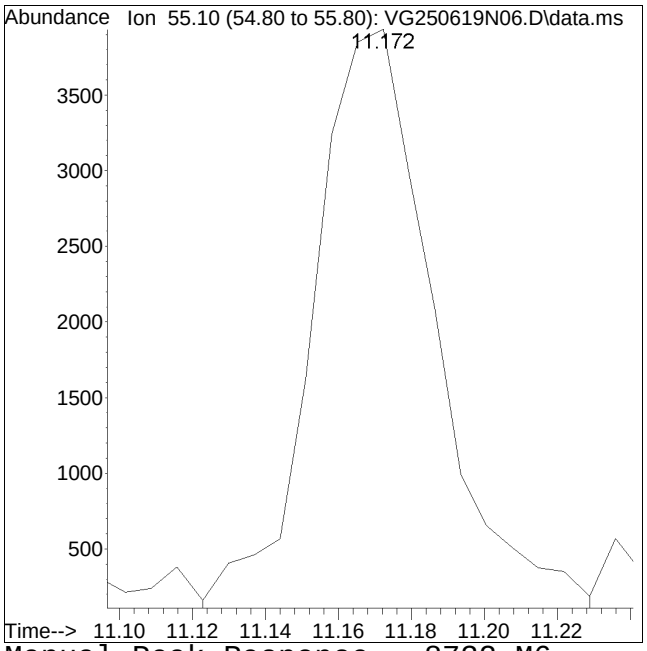
Manual Integration Report

Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N06.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 2:28 am Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 6/20/2025 7:07 am

Compound #86: 1,4-Dichlorobutane



Original Peak Response = 8970



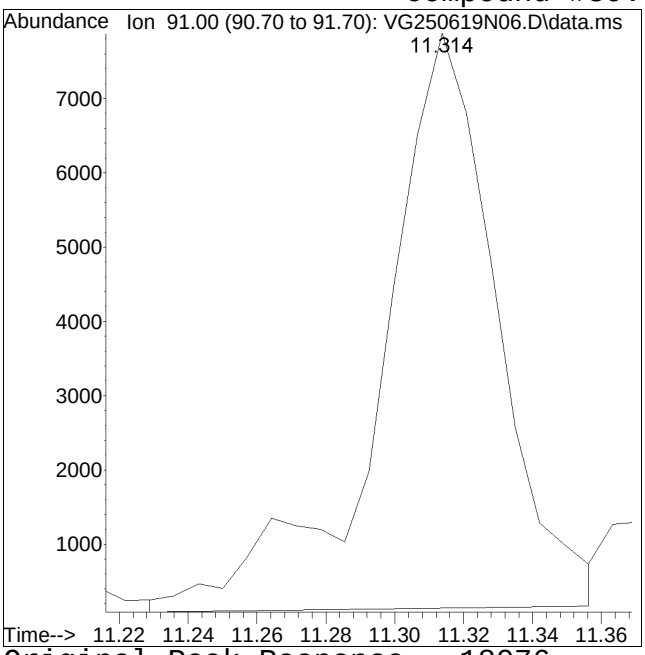
Manual Peak Response = 8732 M6

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

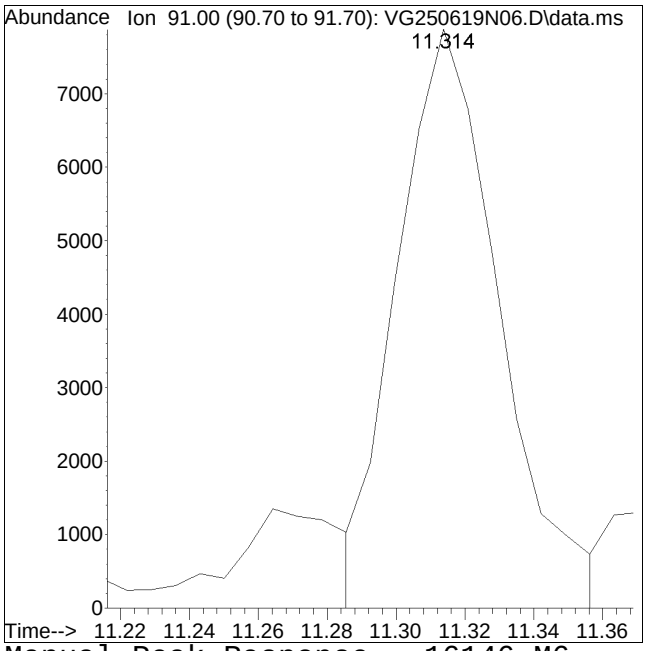
Manual Integration Report

Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N06.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 2:28 am Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 6/20/2025 7:07 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 18076



Manual Peak Response = 16146 M6

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N08.D
Acq On : 20 Jun 2025 3:21 am
Operator : GONZO:PID
Sample : I8260STD2PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 20 07:07:22 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.957	96	543741	10.000 ug/L	0.00
Standard Area 1 = 552092			Recovery =	98.49%	
59) Chlorobenzene-d5	9.484	117	430333	10.000 ug/L	0.00
Standard Area 1 = 440365			Recovery =	97.72%	
79) 1,4-Dichlorobenzene-d4	12.198	152	245969	10.000 ug/L	0.00
Standard Area 1 = 255053			Recovery =	96.44%	
System Monitoring Compounds					
36) Dibromofluoromethane	5.157	113	141043	9.993 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.93%	
43) 1,2-Dichloroethane-d4	5.674	65	144308	9.987 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.87%	
60) Toluene-d8	7.643	98	533776	9.986 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.86%	
83) 4-Bromofluorobenzene	10.988	95	205056	10.108 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.08%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.614	85	24388	2.047 ug/L	98
3) Chloromethane	1.827	50	22330	2.006 ug/L	97
4) Vinyl chloride	1.877	62	25007	2.042 ug/L	98
5) Bromomethane	2.176	94	16142	1.922 ug/L	92
6) Chloroethane	2.283	64	17428	2.418 ug/L	86
7) Trichlorofluoromethane	2.418	101	30422	1.859 ug/L	98
8) Ethyl ether	2.717	74	11156	1.884 ug/L #	91
10) 1,1-Dichloroethene	2.916	96	19724	2.003 ug/L	92
11) Carbon disulfide	2.944	76	59425	1.992 ug/L	100
12) Freon-113	2.944	101	19802	2.013 ug/L	99
13) Iodomethane	3.058	142	16503	1.420 ug/L	89
14) Acrolein	3.250	56	2640M6	1.697 ug/L	
15) Methylene chloride	3.464	84	23982	2.002 ug/L	96
17) Acetone	3.535	43	5340	2.294 ug/L #	76
18) trans-1,2-Dichloroethene	3.613	96	21735	2.037 ug/L	92
19) Methyl acetate	3.634	43	8823M6	1.608 ug/L	
20) Methyl tert-butyl ether	3.705	73	59752	1.923 ug/L	97
21) tert-Butyl alcohol	3.805	59	8332	8.982 ug/L #	77
22) Diisopropyl ether	4.061	45	58132	1.842 ug/L	97
23) 1,1-Dichloroethane	4.189	63	38484	2.039 ug/L	97
24) Halothane	4.246	117	17794	1.994 ug/L	97

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N08.D
Acq On : 20 Jun 2025 3:21 am
Operator : GONZO:PID
Sample : I8260STD2PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 20 07:07:22 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.267	53	4659	1.558	ug/L	#	89
26) Ethyl tert-butyl ether	4.403	59	60521	1.865	ug/L		98
27) Vinyl acetate	4.438	43	35183	1.749	ug/L	#	94
28) cis-1,2-Dichloroethene	4.716	96	24779	1.995	ug/L		98
29) 2,2-Dichloropropane	4.808	77	30168	1.911	ug/L		93
30) Bromochloromethane	4.908	128	12225	2.102	ug/L		97
31) Cyclohexane	4.901	56	33161	2.016	ug/L		100
32) Chloroform	4.979	83	37821	1.948	ug/L		99
33) Ethyl acetate	5.093	43	14869	1.804	ug/L		96
34) Carbon tetrachloride	5.100	117	30933	1.995	ug/L		99
35) Tetrahydrofuran	5.128	42	6147M3	2.322	ug/L		
37) 1,1,1-Trichloroethane	5.171	97	34643	2.039	ug/L		98
39) 2-Butanone	5.285	43	5901M6	1.675	ug/L		
40) 1,1-Dichloropropene	5.292	75	27159	2.012	ug/L		99
41) Benzene	5.533	78	85144	2.008	ug/L		98
42) tert-Amyl methyl ether	5.646	73	58666	1.896	ug/L		99
44) 1,2-Dichloroethane	5.745	62	26270	1.890	ug/L		96
47) Methyl cyclohexane	6.112	83	31087	2.045	ug/L		97
48) Trichloroethene	6.133	95	21044	1.811	ug/L		87
50) Dibromomethane	6.577	93	14146	2.016	ug/L		98
51) 1,2-Dichloropropane	6.676	63	21726	1.993	ug/L		97
53) 2-Chloroethyl vinyl ether	7.375	63	9239	1.817	ug/L		100
54) Bromodichloromethane	6.754	83	30673	1.992	ug/L		98
57) 1,4-Dioxane	6.958	88	44919	402.899	ug/L		100
58) cis-1,3-Dichloropropene	7.445	75	35079	1.945	ug/L		99
61) Toluene	7.699	92	55626	2.019	ug/L		100
62) 4-Methyl-2-pentanone	8.144	58	6522	1.940	ug/L		97
63) Tetrachloroethene	8.137	166	25635	2.011	ug/L		97
65) trans-1,3-Dichloropropene	8.193	75	30750	1.934	ug/L		86
67) Ethyl methacrylate	8.384	69	23673	1.839	ug/L		95
68) 1,1,2-Trichloroethane	8.384	83	15386	1.882	ug/L		96
69) Chlorodibromomethane	8.588	129	24783	1.898	ug/L		98
70) 1,3-Dichloropropane	8.694	76	31819	1.999	ug/L		98
71) 1,2-Dibromoethane	8.864	107	20116	1.937	ug/L		97
72) 2-Hexanone	9.160	43	9537	1.709	ug/L	#	91
73) Chlorobenzene	9.506	112	65809	2.016	ug/L		95
74) Ethylbenzene	9.541	91	104907	1.989	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.590	131	24070	1.918	ug/L		95
76) p/m Xylene	9.731	106	83234	3.962	ug/L		98
77) o Xylene	10.268	106	83502	3.964	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N08.D
Acq On : 20 Jun 2025 3:21 am
Operator : GONZO:PID
Sample : I8260STD2PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 20 07:07:22 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Styrene	10.345	104	137330	3.799	ug/L	100
80) Bromoform	10.373	173	17682	1.912	ug/L	100
82) Isopropylbenzene	10.656	105	100197	2.001	ug/L	99
84) Bromobenzene	11.102	156	31381	2.047	ug/L	98
85) n-Propylbenzene	11.137	91	112203	1.959	ug/L	99
86) 1,4-Dichlorobutane	11.165	55	31512	1.925	ug/L	96
87) 1,1,2,2-Tetrachloroethane	11.243	83	25414	1.962	ug/L	97
88) 4-Ethyltoluene	11.264	105	98942	2.002	ug/L	99
89) 2-Chlorotoluene	11.314	91	72607M6	2.017	ug/L	
90) 1,3,5-Trimethylbenzene	11.370	105	86429	2.007	ug/L	98
91) 1,2,3-Trichloropropane	11.377	75	19480	1.979	ug/L	99
92) trans-1,4-Dichloro-2-b...	11.434	53	7267	2.011	ug/L	91
93) 4-Chlorotoluene	11.498	91	71446	1.887	ug/L	97
94) tert-Butylbenzene	11.703	119	71163	1.990	ug/L	98
97) 1,2,4-Trimethylbenzene	11.788	105	85522	1.990	ug/L	99
98) sec-Butylbenzene	11.894	105	96199	1.973	ug/L	100
99) p-Isopropyltoluene	12.049	119	85809	1.956	ug/L	99
100) 1,3-Dichlorobenzene	12.127	146	56222	2.021	ug/L	99
101) 1,4-Dichlorobenzene	12.219	146	56228	1.968	ug/L	95
102) p-Diethylbenzene	12.424	119	49205	1.897	ug/L	99
103) n-Butylbenzene	12.488	91	64954	1.926	ug/L	100
104) 1,2-Dichlorobenzene	12.644	146	52968	1.994	ug/L	99
105) 1,2,4,5-Tetramethylben...	13.224	119	76440	1.946	ug/L	98
106) 1,2-Dibromo-3-chloropr...	13.422	155	4595	1.946	ug/L	95
107) 1,3,5-Trichlorobenzene	13.450	180	35336	2.020	ug/L	99
108) Hexachlorobutadiene	14.023	225	11380	2.049	ug/L	98
109) 1,2,4-Trichlorobenzene	14.051	180	30446	2.024	ug/L	98
110) Naphthalene	14.341	128	63385	2.024	ug/L	100
111) 1,2,3-Trichlorobenzene	14.511	180	23532	2.034	ug/L	100

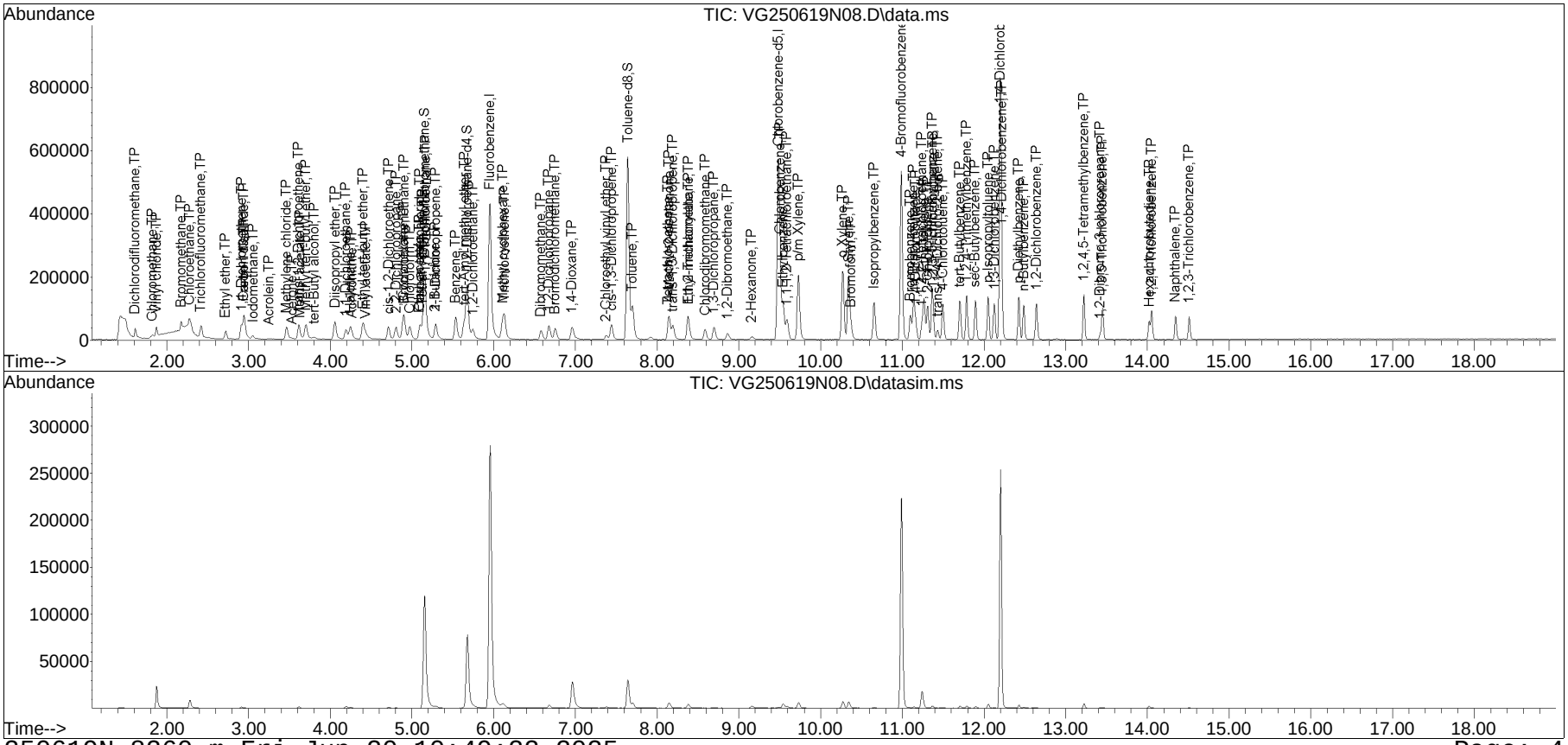
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N08.D
Acq On : 20 Jun 2025 3:21 am
Operator : GONZO:PID
Sample : I8260STD2PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 20 07:07:22 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

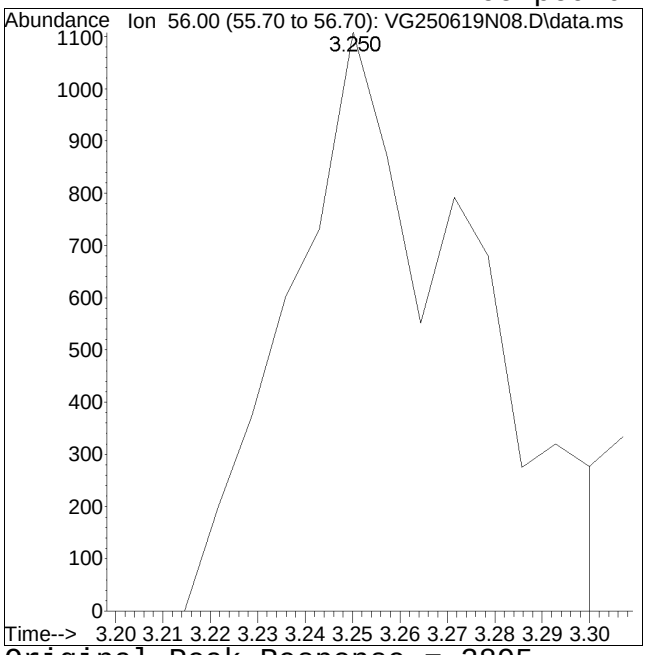
Sub List : 8260-Curve - Megamix plus DioxVG250619N10.D•



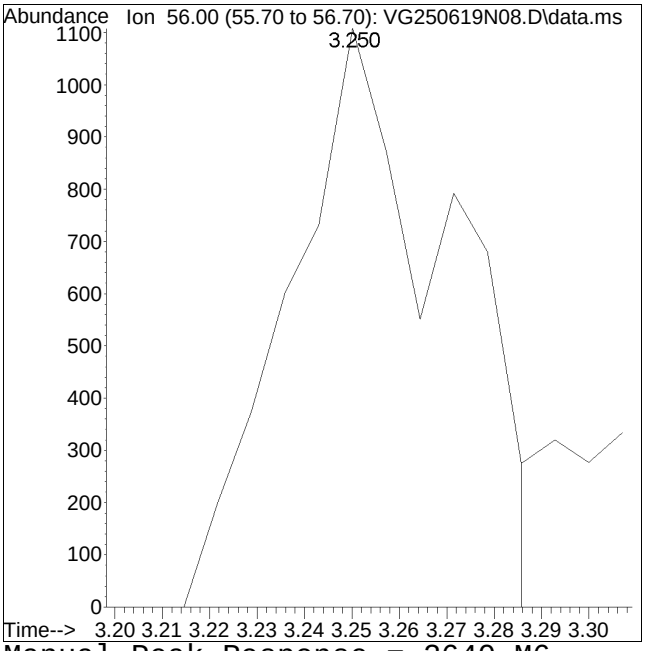
Manual Integration Report

Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N08.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 3:21 am Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 6/20/2025 7:07 am

Compound #14: Acrolein



Original Peak Response = 2895



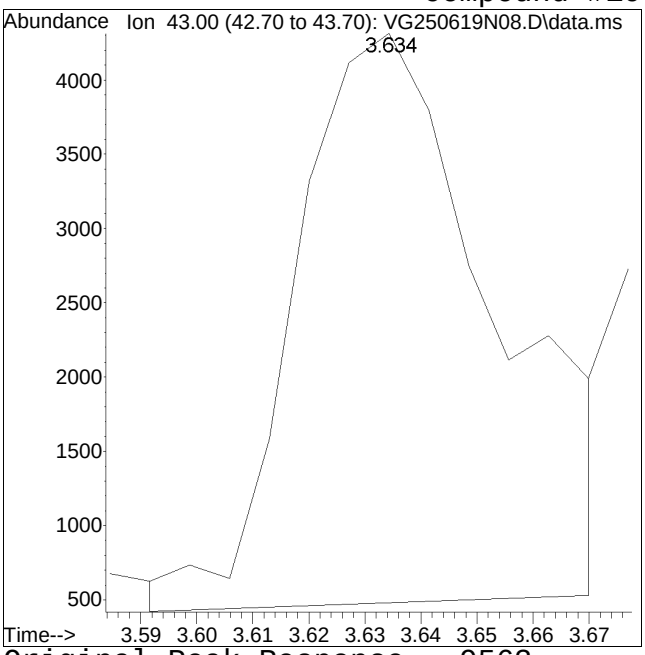
Manual Peak Response = 2640 M6

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

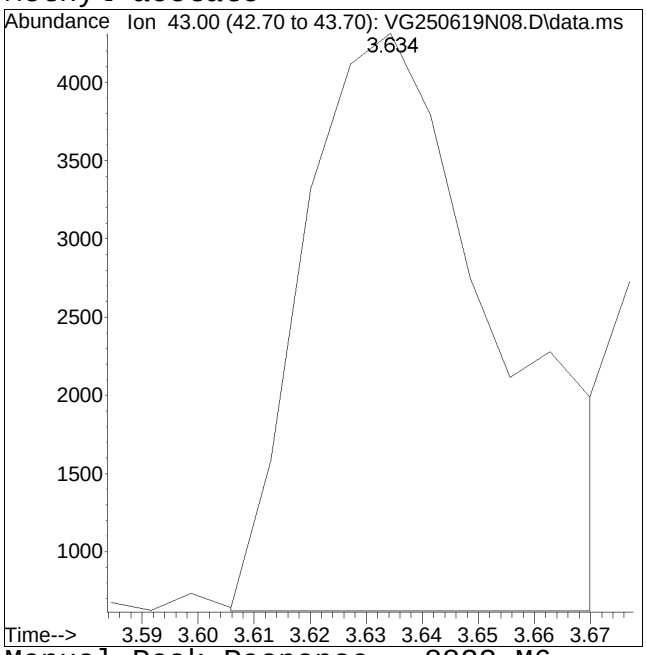
Manual Integration Report

Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N08.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 3:21 am Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 6/20/2025 7:07 am

Compound #19: Methyl acetate



Original Peak Response = 9563



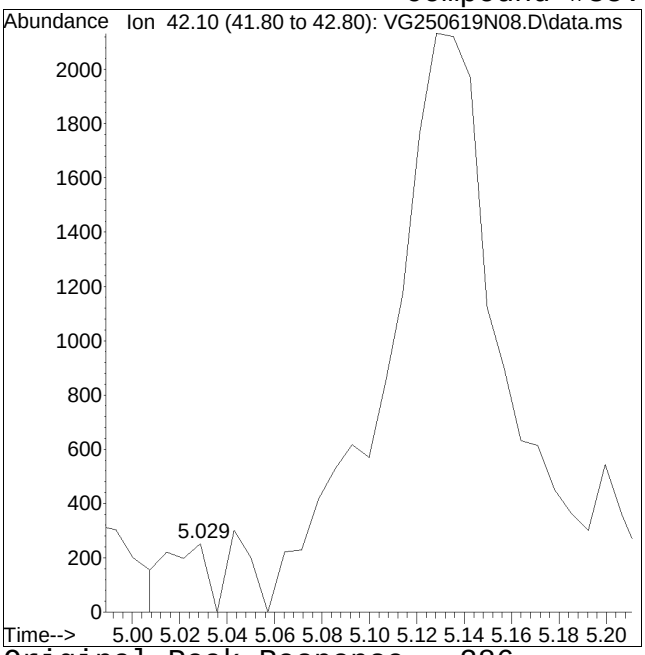
Manual Peak Response = 8823 M6

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

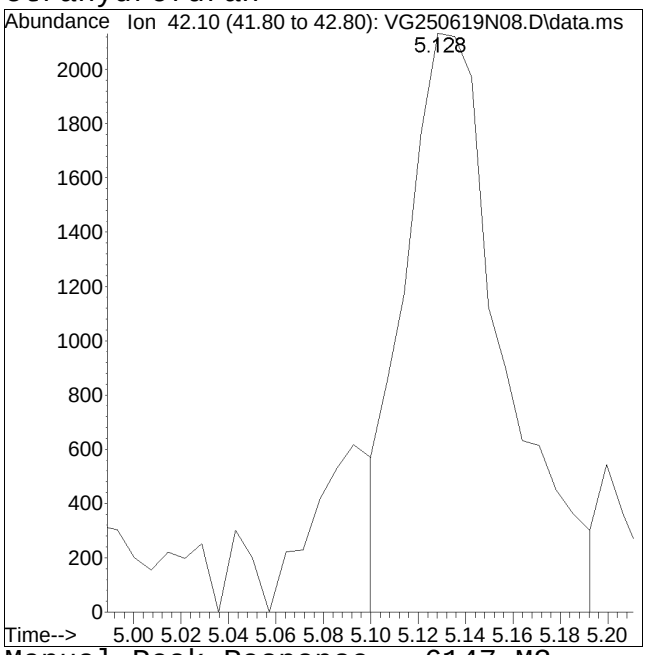
Manual Integration Report

Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N08.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 3:21 am Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 6/20/2025 7:07 am

Compound #35: Tetrahydrofuran



Original Peak Response = 286



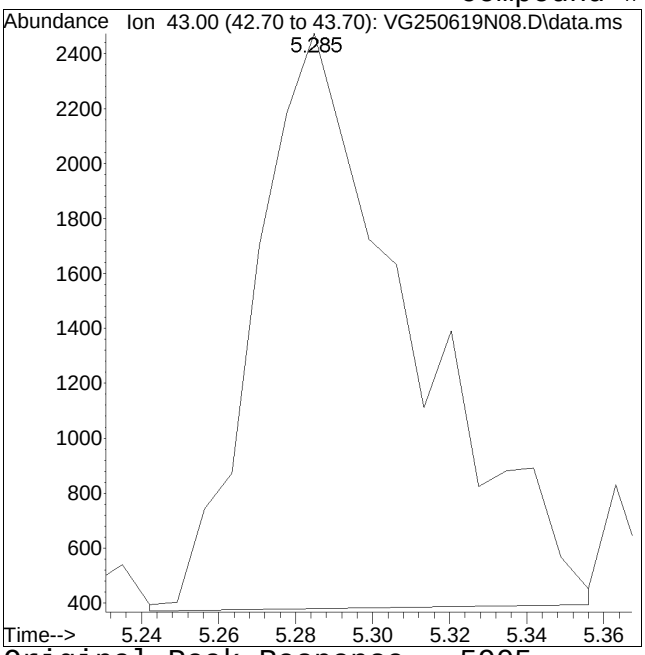
Manual Peak Response = 6147 M3

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

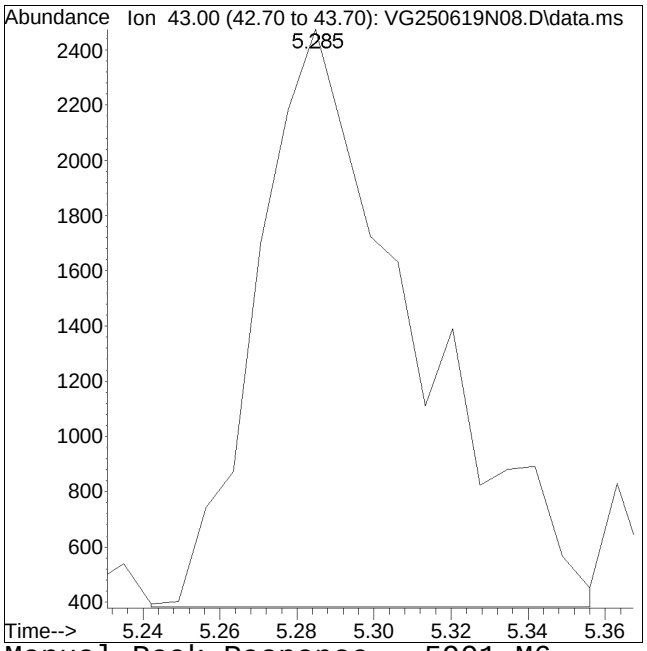
Manual Integration Report

Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N08.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 3:21 am Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 6/20/2025 7:07 am

Compound #39: 2-Butanone



Original Peak Response = 5905



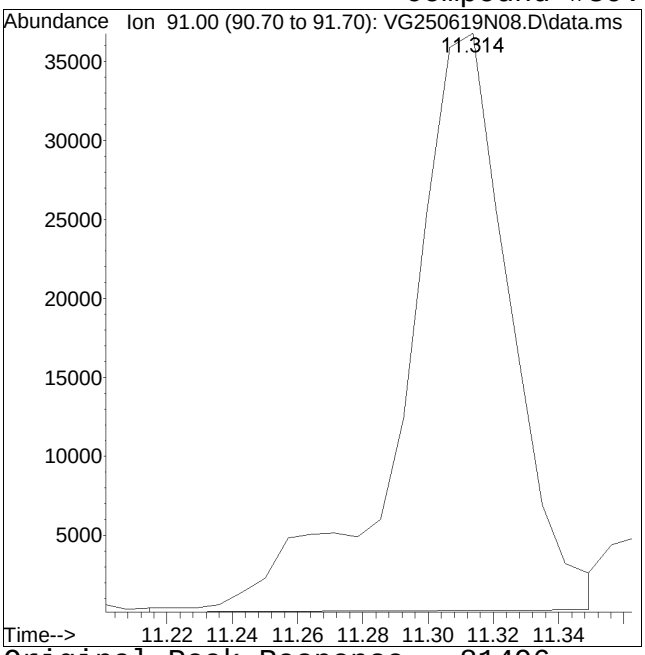
Manual Peak Response = 5901 M6

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

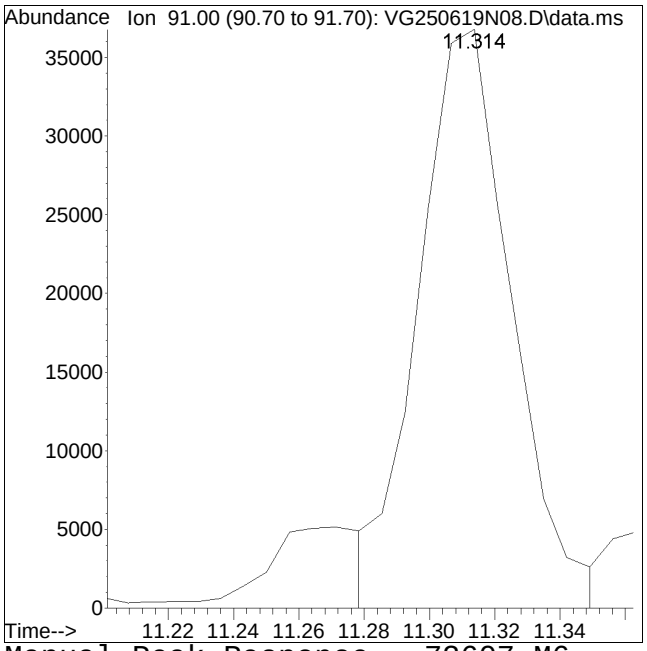
Manual Integration Report

Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N08.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 3:21 am Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 6/20/2025 7:07 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 81496



Manual Peak Response = 72607 M6

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N10.D
Acq On : 20 Jun 2025 4:15 am
Operator : GONZO:PID
Sample : I8260STD10PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 20 07:07:29 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.957	96	552092	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.484	117	440365	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	12.198	152	255053	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	5.150	113	142923	9.973	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.73%			
43) 1,2-Dichloroethane-d4	5.674	65	150189	10.237	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.37%			
60) Toluene-d8	7.643	98	547657	10.012	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.12%			
83) 4-Bromofluorobenzene	10.988	95	210277	9.996	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.96%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.614	85	123021	10.168	ug/L	100
3) Chloromethane	1.820	50	110468	9.776	ug/L	100
4) Vinyl chloride	1.877	62	128921	10.370	ug/L	100
5) Bromomethane	2.176	94	75272	8.829	ug/L	100
6) Chloroethane	2.283	64	85005	11.614	ug/L	100
7) Trichlorofluoromethane	2.418	101	170591	10.264	ug/L	100
8) Ethyl ether	2.724	74	58807	9.782	ug/L	100
10) 1,1-Dichloroethene	2.909	96	99936	9.995	ug/L	100
11) Carbon disulfide	2.944	76	301684	9.962	ug/L	100
12) Freon-113	2.944	101	101398	10.150	ug/L	100
13) Iodomethane	3.058	142	94752	8.031	ug/L	100
14) Acrolein	3.243	56	16622	10.524	ug/L	100
15) Methylene chloride	3.464	84	112721	9.268	ug/L	100
17) Acetone	3.513	43	21339	9.029	ug/L	100
18) trans-1,2-Dichloroethene	3.613	96	109138	10.073	ug/L	100
19) Methyl acetate	3.620	43	53316	9.572	ug/L	100
20) Methyl tert-butyl ether	3.698	73	315022	9.983	ug/L	100
21) tert-Butyl alcohol	3.805	59	46457	49.321	ug/L	100
22) Diisopropyl ether	4.054	45	322298	10.058	ug/L	100
23) 1,1-Dichloroethane	4.189	63	196459	10.254	ug/L	100
24) Halothane	4.246	117	91759	10.127	ug/L	100
25) Acrylonitrile	4.246	53	29639	9.761	ug/L	100
26) Ethyl tert-butyl ether	4.403	59	330501	10.031	ug/L	100
27) Vinyl acetate	4.424	43	191918	9.394	ug/L	100
28) cis-1,2-Dichloroethene	4.709	96	127475	10.107	ug/L	100

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N10.D
Acq On : 20 Jun 2025 4:15 am
Operator : GONZO:PID
Sample : I8260STD10PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 20 07:07:29 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 2,2-Dichloropropane	4.808	77	160432	10.008	ug/L	100
30) Bromochloromethane	4.908	128	60345	10.221	ug/L	100
31) Cyclohexane	4.894	56	164588	9.854	ug/L	100
32) Chloroform	4.979	83	195756	9.929	ug/L	100
33) Ethyl acetate	5.086	43	84763	10.126	ug/L	100
34) Carbon tetrachloride	5.100	117	163459	10.381	ug/L	100
35) Tetrahydrofuran	5.128	42	25007M6	9.302	ug/L	
37) 1,1,1-Trichloroethane	5.164	97	172888	10.021	ug/L	100
39) 2-Butanone	5.271	43	30859	8.626	ug/L	100
40) 1,1-Dichloropropene	5.292	75	137312	10.019	ug/L	100
41) Benzene	5.533	78	439511	10.208	ug/L	100
42) tert-Amyl methyl ether	5.639	73	309920	9.864	ug/L	100
44) 1,2-Dichloroethane	5.745	62	137802	9.763	ug/L	100
47) Methyl cyclohexane	6.112	83	154286	9.997	ug/L	100
48) Trichloroethene	6.133	95	119536	10.133	ug/L	100
50) Dibromomethane	6.577	93	70693	9.922	ug/L	100
51) 1,2-Dichloropropane	6.676	63	112797	10.193	ug/L	100
53) 2-Chloroethyl vinyl ether	7.368	63	49995	9.682	ug/L	100
54) Bromodichloromethane	6.754	83	157091	10.046	ug/L	100
57) 1,4-Dioxane	6.959	88	55692	491.972	ug/L	100
58) cis-1,3-Dichloropropene	7.438	75	183655	10.030	ug/L	100
61) Toluene	7.699	92	284300	10.083	ug/L	100
62) 4-Methyl-2-pentanone	8.137	58	34253	9.955	ug/L	100
63) Tetrachloroethene	8.144	166	136645	10.477	ug/L	100
65) trans-1,3-Dichloropropene	8.193	75	163221	10.034	ug/L	100
67) Ethyl methacrylate	8.370	69	129124	9.802	ug/L	100
68) 1,1,2-Trichloroethane	8.377	83	81323	9.723	ug/L	100
69) Chlorodibromomethane	8.588	129	129863	9.716	ug/L	100
70) 1,3-Dichloropropane	8.694	76	164456	10.097	ug/L	100
71) 1,2-Dibromoethane	8.857	107	106743	10.044	ug/L	100
72) 2-Hexanone	9.146	43	57458	10.062	ug/L	100
73) Chlorobenzene	9.506	112	336245	10.067	ug/L	100
74) Ethylbenzene	9.541	91	543977	10.076	ug/L	100
75) 1,1,1,2-Tetrachloroethane	9.590	131	127525	9.930	ug/L	100
76) p/m Xylene	9.724	106	439022	20.421	ug/L	100
77) o Xylene	10.268	106	433677	20.118	ug/L	100
78) Styrene	10.338	104	738458	19.965	ug/L	100
80) Bromoform	10.374	173	91820	9.577	ug/L	100
82) Isopropylbenzene	10.656	105	526647	10.142	ug/L	100
84) Bromobenzene	11.095	156	162337	10.214	ug/L	100
85) n-Propylbenzene	11.137	91	601334	10.127	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N10.D
Acq On : 20 Jun 2025 4:15 am
Operator : GONZO:PID
Sample : I8260STD10PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 20 07:07:29 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) 1,4-Dichlorobutane	11.165	55	164305	9.680	ug/L	100
87) 1,1,2,2-Tetrachloroethane	11.236	83	127945	9.524	ug/L	100
88) 4-Ethyltoluene	11.264	105	519716	10.143	ug/L	100
89) 2-Chlorotoluene	11.307	91	373597M6	10.010	ug/L	
90) 1,3,5-Trimethylbenzene	11.363	105	447768	10.029	ug/L	100
91) 1,2,3-Trichloropropane	11.377	75	100744	9.868	ug/L	100
92) trans-1,4-Dichloro-2-b...	11.427	53	33576	8.959	ug/L	100
93) 4-Chlorotoluene	11.491	91	396514	10.102	ug/L	100
94) tert-Butylbenzene	11.703	119	374982	10.114	ug/L	100
97) 1,2,4-Trimethylbenzene	11.788	105	446684	10.023	ug/L	100
98) sec-Butylbenzene	11.894	105	510754	10.101	ug/L	100
99) p-Isopropyltoluene	12.049	119	459240	10.098	ug/L	100
100) 1,3-Dichlorobenzene	12.120	146	289313	10.029	ug/L	100
101) 1,4-Dichlorobenzene	12.219	146	297837	10.055	ug/L	100
102) p-Diethylbenzene	12.424	119	268480	9.981	ug/L	100
103) n-Butylbenzene	12.481	91	348666	9.973	ug/L	100
104) 1,2-Dichlorobenzene	12.644	146	279180	10.133	ug/L	100
105) 1,2,4,5-Tetramethylben...	13.224	119	409959	10.066	ug/L	100
106) 1,2-Dibromo-3-chloropr...	13.422	155	24534	10.020	ug/L	100
107) 1,3,5-Trichlorobenzene	13.450	180	188972	10.417	ug/L	100
108) Hexachlorobutadiene	14.023	225	58182	10.104	ug/L	100
109) 1,2,4-Trichlorobenzene	14.051	180	161410	10.349	ug/L	100
110) Naphthalene	14.341	128	326250	10.046	ug/L	100
111) 1,2,3-Trichlorobenzene	14.511	180	124336	10.366	ug/L	100

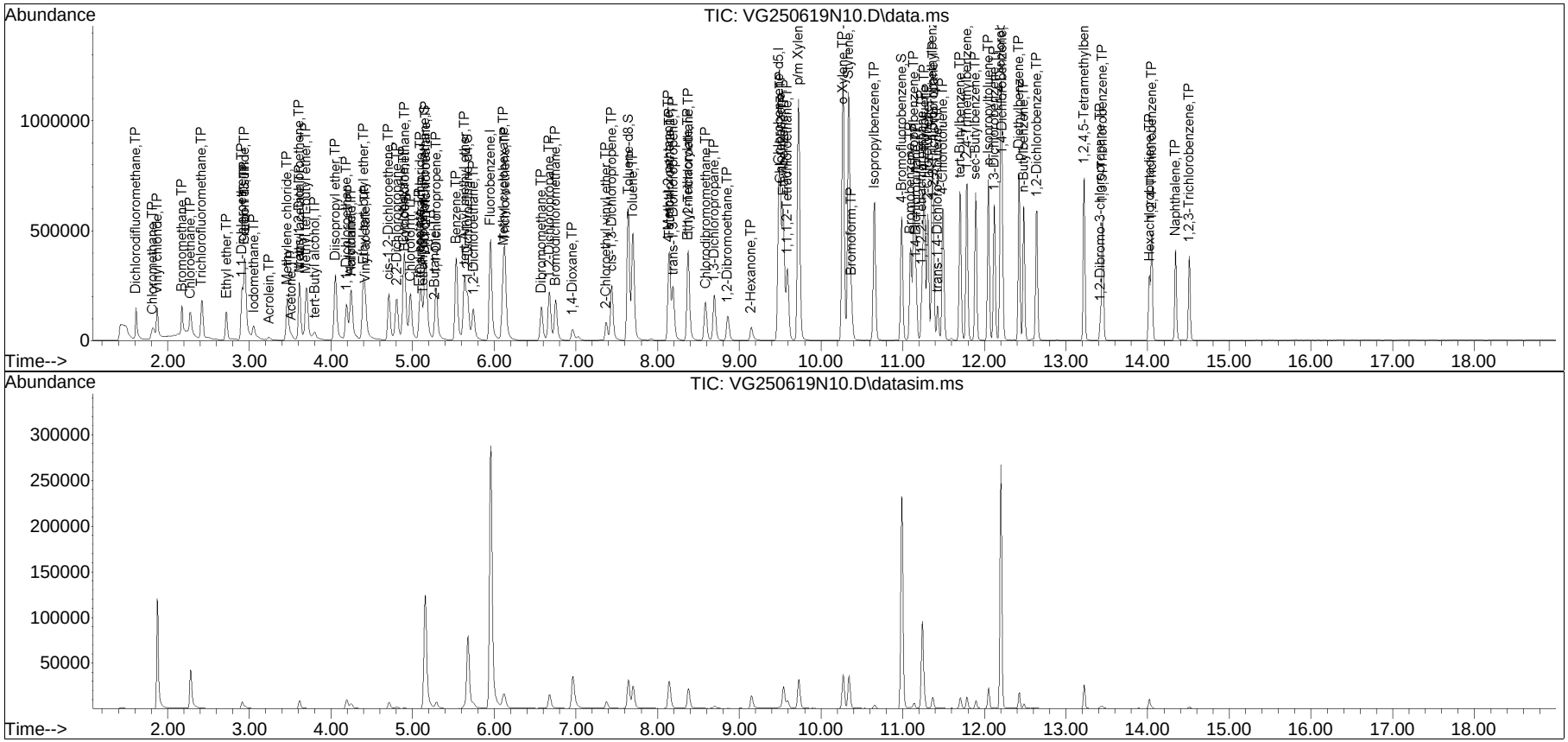
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N10.D
Acq On : 20 Jun 2025 4:15 am
Operator : GONZO:PID
Sample : I8260STD10PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 20 07:07:29 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

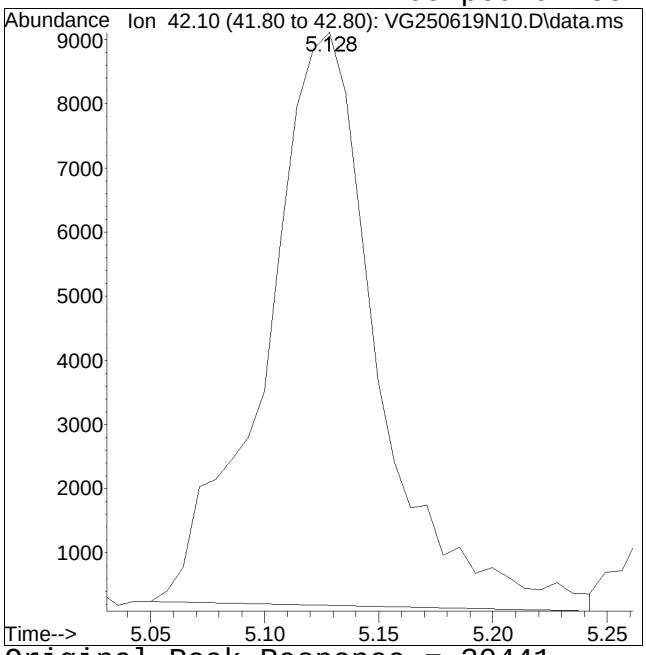
Sub List : 8260-Curve - Megamix plus Diox



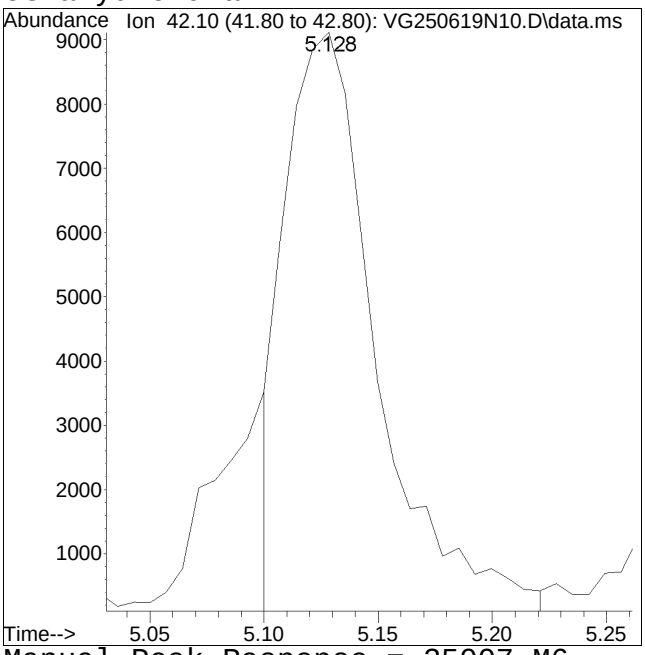
Manual Integration Report

Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N10.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 4:15 am Instrument : Gonzo
Sample : I8260STD10PPB Quant Date : 6/20/2025 7:07 am

Compound #35: Tetrahydrofuran



Original Peak Response = 30441



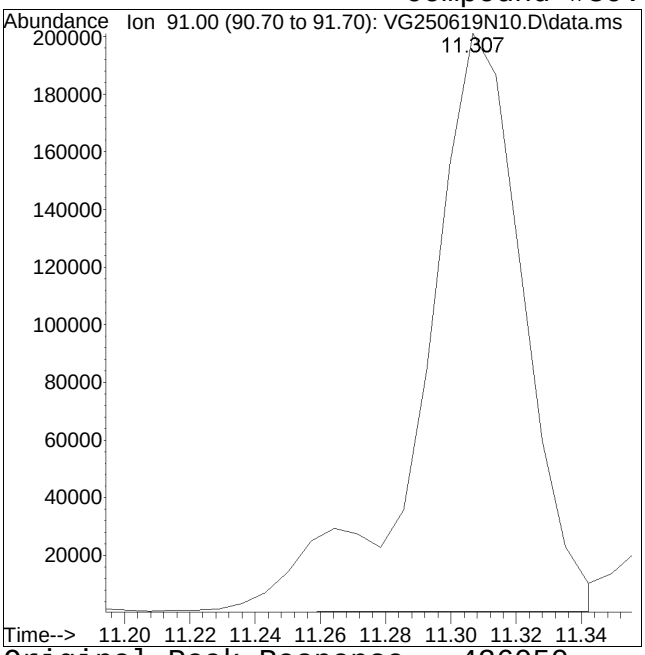
Manual Peak Response = 25007 M6

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

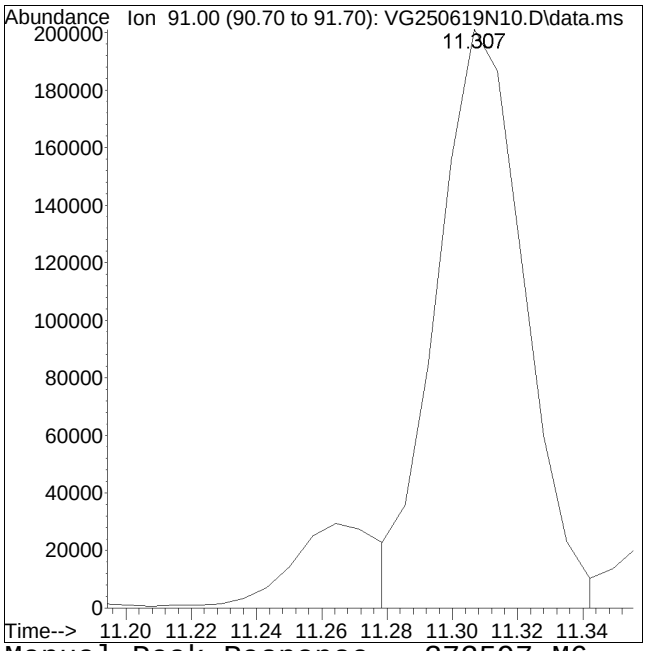
Manual Integration Report

Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N10.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 4:15 am Instrument : Gonzo
Sample : I8260STD10PPB Quant Date : 6/20/2025 7:07 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 426050



Manual Peak Response = 373597 M6

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N11.D
Acq On : 20 Jun 2025 4:41 am
Operator : GONZO:PID
Sample : I8260STD30PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 20 07:07:37 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.957	96	533744	10.000	ug/L	0.00
Standard Area 1 = 552092			Recovery = 96.68%			
59) Chlorobenzene-d5	9.484	117	425943	10.000	ug/L	0.00
Standard Area 1 = 440365			Recovery = 96.72%			
79) 1,4-Dichlorobenzene-d4	12.198	152	247904	10.000	ug/L	0.00
Standard Area 1 = 255053			Recovery = 97.20%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.150	113	139262	10.052	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.52%			
43) 1,2-Dichloroethane-d4	5.674	65	140319	9.893	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.93%			
60) Toluene-d8	7.643	98	525921	9.940	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.40%			
83) 4-Bromofluorobenzene	10.988	95	205056	10.029	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.29%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.614	85	363280	31.059	ug/L	99
3) Chloromethane	1.827	50	330313	30.236	ug/L	99
4) Vinyl chloride	1.877	62	378505	31.492	ug/L	100
5) Bromomethane	2.176	94	242740	29.452	ug/L	98
6) Chloroethane	2.275	64	235409	33.269	ug/L	97
7) Trichlorofluoromethane	2.425	101	523966	32.609	ug/L	99
8) Ethyl ether	2.717	74	181122	31.162	ug/L	99
10) 1,1-Dichloroethene	2.916	96	304322	31.483	ug/L	100
11) Carbon disulfide	2.944	76	906807	30.973	ug/L	100
12) Freon-113	2.944	101	311043	32.206	ug/L	97
13) Iodomethane	3.058	142	365479	32.043	ug/L	99
14) Acrolein	3.236	56	47057	30.817	ug/L	90
15) Methylene chloride	3.464	84	335984	28.574	ug/L	99
17) Acetone	3.513	43	66015	28.892	ug/L	99
18) trans-1,2-Dichloroethene	3.613	96	331406	31.639	ug/L	99
19) Methyl acetate	3.620	43	172603	32.052	ug/L	99
20) Methyl tert-butyl ether	3.698	73	961016	31.502	ug/L	99
21) tert-Butyl alcohol	3.798	59	140450	154.235	ug/L	96
22) Diisopropyl ether	4.054	45	976054	31.506	ug/L	100
23) 1,1-Dichloroethane	4.189	63	587154	31.699	ug/L	99
24) Halothane	4.246	117	276941	31.614	ug/L	100

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N11.D
Acq On : 20 Jun 2025 4:41 am
Operator : GONZO:PID
Sample : I8260STD30PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 20 07:07:37 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	4.246	53	92465	31.497	ug/L	97
26) Ethyl tert-butyl ether	4.403	59	988003	31.017	ug/L	96
27) Vinyl acetate	4.424	43	621043	31.444	ug/L	100
28) cis-1,2-Dichloroethene	4.709	96	379759	31.146	ug/L	96
29) 2,2-Dichloropropane	4.801	77	504072	32.525	ug/L	100
30) Bromochloromethane	4.901	128	168713	29.557	ug/L	97
31) Cyclohexane	4.894	56	501105	31.033	ug/L	100
32) Chloroform	4.972	83	571412	29.980	ug/L	97
33) Ethyl acetate	5.079	43	263345	32.542	ug/L	97
34) Carbon tetrachloride	5.100	117	472151	31.017	ug/L	96
35) Tetrahydrofuran	5.121	42	77531M6	29.832	ug/L	
37) 1,1,1-Trichloroethane	5.164	97	531007	31.836	ug/L	99
39) 2-Butanone	5.263	43	105669	30.553	ug/L	88
40) 1,1-Dichloropropene	5.285	75	413129	31.182	ug/L	100
41) Benzene	5.533	78	1307052	31.400	ug/L	100
42) tert-Amyl methyl ether	5.639	73	947126	31.182	ug/L	99
44) 1,2-Dichloroethane	5.738	62	419159	30.718	ug/L	100
47) Methyl cyclohexane	6.112	83	471177	31.581	ug/L	98
48) Trichloroethene	6.133	95	353650	31.010	ug/L	98
50) Dibromomethane	6.577	93	211400	30.690	ug/L	98
51) 1,2-Dichloropropane	6.676	63	332302	31.062	ug/L	98
53) 2-Chloroethyl vinyl ether	7.368	63	161078	32.267	ug/L	100
54) Bromodichloromethane	6.754	83	468613	30.997	ug/L	100
57) 1,4-Dioxane	6.958	88	67033	612.512	ug/L	98
58) cis-1,3-Dichloropropene	7.438	75	558568	31.553	ug/L	100
61) Toluene	7.699	92	840933	30.833	ug/L	99
62) 4-Methyl-2-pentanone	8.137	58	104181	31.304	ug/L	99
63) Tetrachloroethene	8.144	166	402876	31.937	ug/L	99
65) trans-1,3-Dichloropropene	8.186	75	499595	31.751	ug/L	100
67) Ethyl methacrylate	8.370	69	401359	31.499	ug/L	99
68) 1,1,2-Trichloroethane	8.377	83	248648	30.736	ug/L	98
69) Chlorodibromomethane	8.581	129	396370	30.661	ug/L	100
70) 1,3-Dichloropropane	8.694	76	491470	31.195	ug/L	99
71) 1,2-Dibromoethane	8.856	107	321853	31.312	ug/L	99
72) 2-Hexanone	9.146	43	170328	30.838	ug/L	97
73) Chlorobenzene	9.506	112	1003090	31.048	ug/L	99
74) Ethylbenzene	9.541	91	1613882	30.907	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.590	131	383427	30.866	ug/L	99
76) p/m Xylene	9.724	106	1292273	62.145	ug/L	97
77) o Xylene	10.268	106	1282806	61.525	ug/L	99

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N11.D
Acq On : 20 Jun 2025 4:41 am
Operator : GONZO:PID
Sample : I8260STD30PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 20 07:07:37 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Styrene	10.338	104	2227271	62.255	ug/L	99
80) Bromoform	10.373	173	287688	30.873	ug/L	99
82) Isopropylbenzene	10.656	105	1594388	31.589	ug/L	100
84) Bromobenzene	11.094	156	483597	31.304	ug/L	99
85) n-Propylbenzene	11.137	91	1815748	31.460	ug/L	100
86) 1,4-Dichlorobutane	11.165	55	499220	30.259	ug/L	99
87) 1,1,2,2-Tetrachloroethane	11.236	83	389141	29.803	ug/L	99
88) 4-Ethyltoluene	11.264	105	1569582	31.515	ug/L	99
89) 2-Chlorotoluene	11.307	91	1119249M1	30.855	ug/L	
90) 1,3,5-Trimethylbenzene	11.363	105	1360414	31.347	ug/L	100
91) 1,2,3-Trichloropropane	11.377	75	307709	31.009	ug/L	99
92) trans-1,4-Dichloro-2-b...	11.427	53	108308	29.732	ug/L	98
93) 4-Chlorotoluene	11.491	91	1193210	31.275	ug/L	100
94) tert-Butylbenzene	11.703	119	1125964	31.244	ug/L	100
97) 1,2,4-Trimethylbenzene	11.788	105	1352054	31.215	ug/L	100
98) sec-Butylbenzene	11.894	105	1535253	31.237	ug/L	99
99) p-Isopropyltoluene	12.049	119	1403937	31.759	ug/L	100
100) 1,3-Dichlorobenzene	12.120	146	875174	31.211	ug/L	99
101) 1,4-Dichlorobenzene	12.219	146	886605	30.794	ug/L	100
102) p-Diethylbenzene	12.424	119	826927	31.627	ug/L	99
103) n-Butylbenzene	12.481	91	1086096	31.961	ug/L	99
104) 1,2-Dichlorobenzene	12.636	146	835235	31.190	ug/L	99
105) 1,2,4,5-Tetramethylben...	13.224	119	1230565	31.088	ug/L	100
106) 1,2-Dibromo-3-chloropr...	13.422	155	73095	30.713	ug/L	91
107) 1,3,5-Trichlorobenzene	13.450	180	559688	31.742	ug/L	98
108) Hexachlorobutadiene	14.023	225	178277	31.854	ug/L	100
109) 1,2,4-Trichlorobenzene	14.051	180	482335	31.816	ug/L	100
110) Naphthalene	14.341	128	982501	31.125	ug/L	100
111) 1,2,3-Trichlorobenzene	14.511	180	371069	31.828	ug/L	100

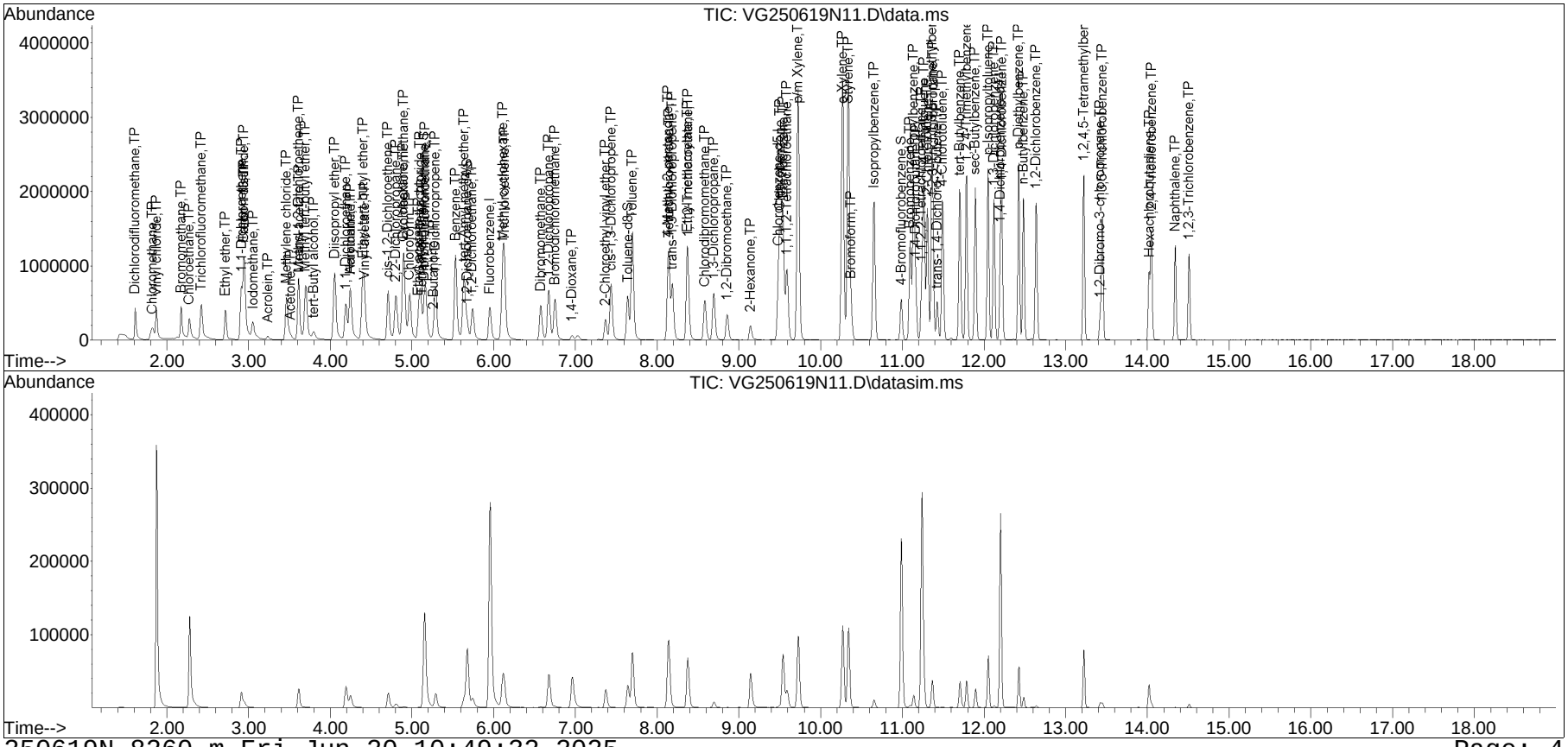
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N11.D
Acq On : 20 Jun 2025 4:41 am
Operator : GONZO:PID
Sample : I8260STD30PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 20 07:07:37 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

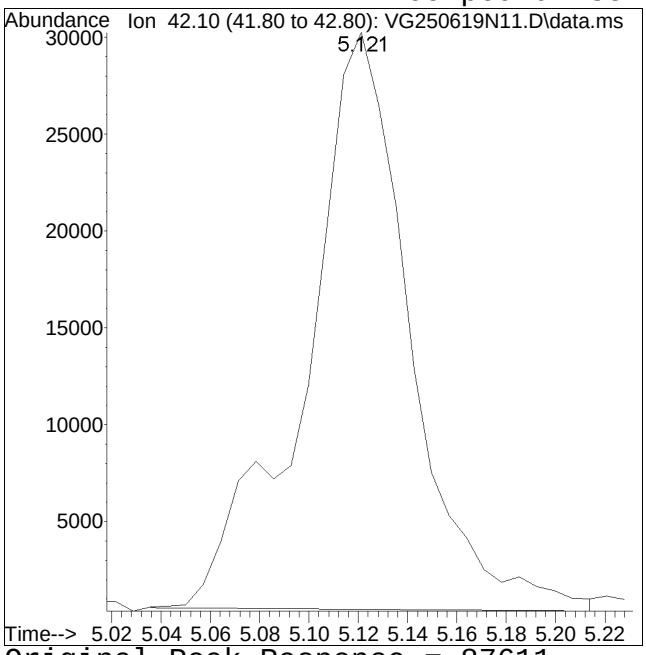
Sub List : 8260-Curve - Megamix plus DioxVG250619N10.D•



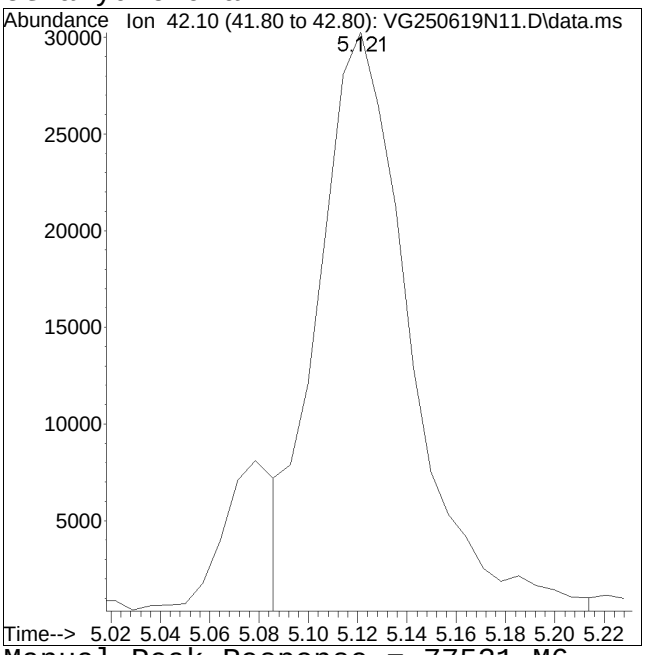
Manual Integration Report

Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N11.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 4:41 am Instrument : Gonzo
Sample : I8260STD30PPB Quant Date : 6/20/2025 7:07 am

Compound #35: Tetrahydrofuran



Original Peak Response = 87611



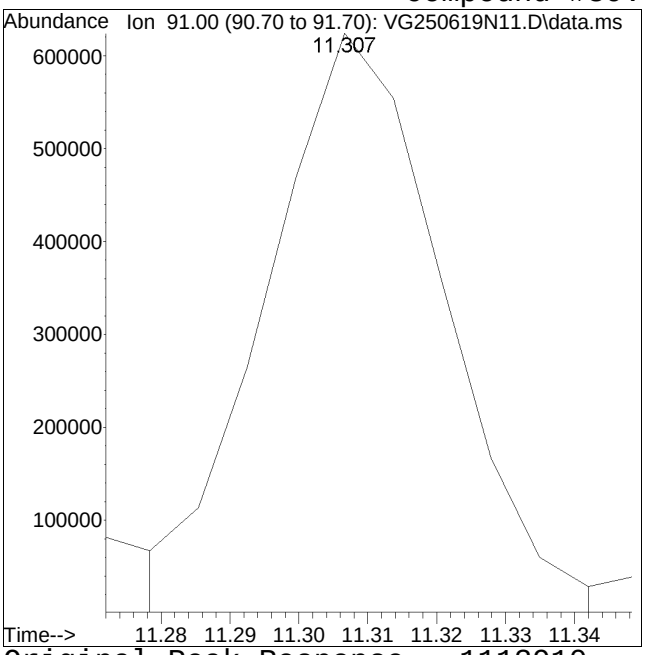
Manual Peak Response = 77531 M6

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

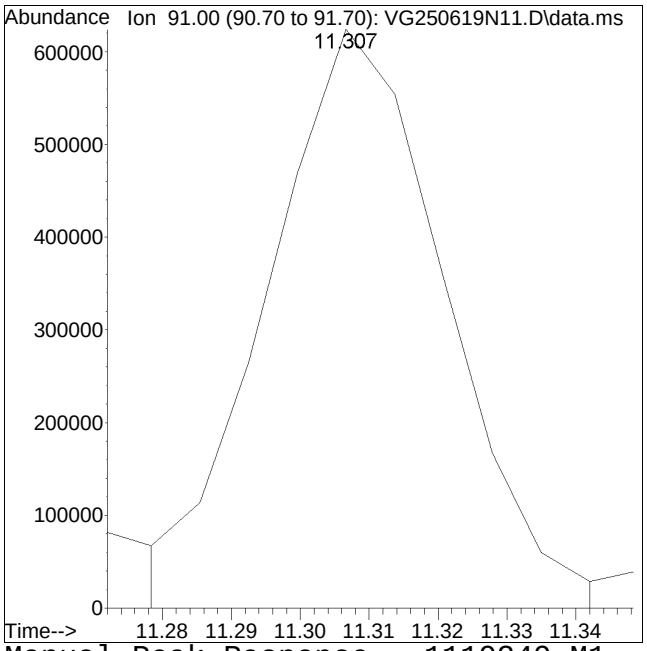
Manual Integration Report

Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N11.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 4:41 am Instrument : Gonzo
Sample : I8260STD30PPB Quant Date : 6/20/2025 7:07 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 1113910



Manual Peak Response = 1119249 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N12.D
Acq On : 20 Jun 2025 5:08 am
Operator : GONZO:PID
Sample : I8260STD80PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 20 07:07:44 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.957	96	537443	10.000	ug/L	0.00
Standard Area 1 = 552092			Recovery = 97.35%			
59) Chlorobenzene-d5	9.484	117	434690	10.000	ug/L	0.00
Standard Area 1 = 440365			Recovery = 98.71%			
79) 1,4-Dichlorobenzene-d4	12.198	152	255032	10.000	ug/L	0.00
Standard Area 1 = 255053			Recovery = 99.99%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.150	113	139195	9.978	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.78%			
43) 1,2-Dichloroethane-d4	5.674	65	138897	9.725	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.25%			
60) Toluene-d8	7.636	98	540302	10.007	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.07%			
83) 4-Bromofluorobenzene	10.988	95	206518	9.818	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.18%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.614	85	973090	82.623	ug/L	99
3) Chloromethane	1.820	50	894262	81.295	ug/L	98
4) Vinyl chloride	1.870	62	1030913	85.183	ug/L	100
5) Bromomethane	2.176	94	699470	84.282	ug/L	98
6) Chloroethane	2.276	64	526754	73.931	ug/L	97
7) Trichlorofluoromethane	2.425	101	1405052	86.842	ug/L	100
8) Ethyl ether	2.717	74	495939	84.740	ug/L	96
10) 1,1-Dichloroethene	2.916	96	830465	85.324	ug/L	99
11) Carbon disulfide	2.944	76	2479798	84.118	ug/L	99
12) Freon-113	2.944	101	819542	84.273	ug/L	97
13) Iodomethane	3.051	142	1114658	97.054	ug/L	99
14) Acrolein	3.229	56	127800	83.118	ug/L	86
15) Methylene chloride	3.464	84	898664	75.903	ug/L	99
17) Acetone	3.506	43	185519	80.636	ug/L	99
18) trans-1,2-Dichloroethene	3.613	96	905885	85.890	ug/L	98
19) Methyl acetate	3.620	43	464471	85.657	ug/L	98
20) Methyl tert-butyl ether	3.698	73	2596526	84.528	ug/L	100
21) tert-Butyl alcohol	3.798	59	393603	429.261	ug/L	98
22) Diisopropyl ether	4.054	45	2674425	85.735	ug/L	99
23) 1,1-Dichloroethane	4.189	63	1578370	84.626	ug/L	98
24) Halothane	4.246	117	744877	84.447	ug/L	100

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N12.D
Acq On : 20 Jun 2025 5:08 am
Operator : GONZO:PID
Sample : I8260STD80PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 20 07:07:44 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.246	53	257586	87.139	ug/L		98
26) Ethyl tert-butyl ether	4.403	59	2729657	85.103	ug/L		97
27) Vinyl acetate	4.417	43	1691856	85.070	ug/L		100
28) cis-1,2-Dichloroethene	4.709	96	1027441	83.685	ug/L		96
29) 2,2-Dichloropropane	4.801	77	1350219	86.522	ug/L		100
30) Bromochloromethane	4.908	128	448052	77.954	ug/L		98
31) Cyclohexane	4.894	56	1337671	82.272	ug/L		99
32) Chloroform	4.972	83	1594364	83.075	ug/L		97
33) Ethyl acetate	5.079	43	733048	89.961	ug/L		99
34) Carbon tetrachloride	5.100	117	1299379	84.774	ug/L		96
35) Tetrahydrofuran	5.114	42	213005M6	81.395	ug/L		
37) 1,1,1-Trichloroethane	5.164	97	1430863	85.195	ug/L		98
39) 2-Butanone	5.264	43	312816	89.825	ug/L	#	85
40) 1,1-Dichloropropene	5.285	75	1123279	84.198	ug/L		99
41) Benzene	5.533	78	3571769	85.215	ug/L		100
42) tert-Amyl methyl ether	5.639	73	2607451	85.253	ug/L		99
44) 1,2-Dichloroethane	5.738	62	1141177	83.055	ug/L		99
47) Methyl cyclohexane	6.112	83	1271105	84.611	ug/L		99
48) Trichloroethene	6.126	95	966512	84.165	ug/L		99
50) Dibromomethane	6.570	93	578950	83.469	ug/L		98
51) 1,2-Dichloropropane	6.669	63	909760	84.454	ug/L		98
53) 2-Chloroethyl vinyl ether	7.368	63	452089	89.939	ug/L		99
54) Bromodichloromethane	6.747	83	1277304	83.908	ug/L		100
57) 1,4-Dioxane	6.959	88	93137	845.179	ug/L		99
58) cis-1,3-Dichloropropene	7.438	75	1516341	85.067	ug/L		100
61) Toluene	7.692	92	2319244	83.325	ug/L		98
62) 4-Methyl-2-pentanone	8.130	58	290770	85.613	ug/L		97
63) Tetrachloroethene	8.144	166	1079649	83.865	ug/L		98
65) trans-1,3-Dichloropropene	8.186	75	1360500	84.724	ug/L		99
67) Ethyl methacrylate	8.370	69	1119354	86.080	ug/L		97
68) 1,1,2-Trichloroethane	8.370	83	680672	82.446	ug/L		100
69) Chlorodibromomethane	8.581	129	1113523	84.403	ug/L		100
70) 1,3-Dichloropropane	8.694	76	1347754	83.825	ug/L		99
71) 1,2-Dibromoethane	8.857	107	878705	83.765	ug/L		98
72) 2-Hexanone	9.139	43	478856	84.952	ug/L		98
73) Chlorobenzene	9.506	112	2747203	83.322	ug/L		99
74) Ethylbenzene	9.541	91	4452458	83.552	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.590	131	1064495	83.968	ug/L		99
76) p/m Xylene	9.724	106	3546292	167.108	ug/L		95
77) o Xylene	10.268	106	3548086	166.745	ug/L		98

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N12.D
Acq On : 20 Jun 2025 5:08 am
Operator : GONZO:PID
Sample : I8260STD80PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 20 07:07:44 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Styrene	10.338	104	6144644	168.295	ug/L	98
80) Bromoform	10.374	173	816382	85.160	ug/L	100
82) Isopropylbenzene	10.656	105	4399656	84.733	ug/L	99
84) Bromobenzene	11.095	156	1315959	82.802	ug/L	100
85) n-Propylbenzene	11.137	91	5058058	85.186	ug/L	99
86) 1,4-Dichlorobutane	11.165	55	1385822	81.649	ug/L	98
87) 1,1,2,2-Tetrachloroethane	11.236	83	1078184	80.267	ug/L	99
88) 4-Ethyltoluene	11.264	105	4334403	84.596	ug/L	99
89) 2-Chlorotoluene	11.307	91	3112746M1	83.412	ug/L	
90) 1,3,5-Trimethylbenzene	11.363	105	3774553	84.544	ug/L	100
91) 1,2,3-Trichloropropane	11.377	75	854574	83.712	ug/L	100
92) trans-1,4-Dichloro-2-b...	11.427	53	313545	83.667	ug/L	97
93) 4-Chlorotoluene	11.491	91	3310100	84.335	ug/L	99
94) tert-Butylbenzene	11.703	119	3118195	84.107	ug/L	99
97) 1,2,4-Trimethylbenzene	11.788	105	3715490	83.381	ug/L	100
98) sec-Butylbenzene	11.894	105	4285802	84.764	ug/L	100
99) p-Isopropyltoluene	12.049	119	3852139	84.706	ug/L	99
100) 1,3-Dichlorobenzene	12.120	146	2390775	82.879	ug/L	99
101) 1,4-Dichlorobenzene	12.219	146	2438818	82.338	ug/L	100
102) p-Diethylbenzene	12.424	119	2278254	84.700	ug/L	99
103) n-Butylbenzene	12.481	91	3006206	85.991	ug/L	99
104) 1,2-Dichlorobenzene	12.637	146	2304091	83.636	ug/L	100
105) 1,2,4,5-Tetramethylben...	13.224	119	3408101	83.692	ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.422	155	213883	87.356	ug/L	97
107) 1,3,5-Trichlorobenzene	13.450	180	1510366	83.264	ug/L	98
108) Hexachlorobutadiene	14.023	225	486896	84.564	ug/L	100
109) 1,2,4-Trichlorobenzene	14.044	180	1295145	83.044	ug/L	99
110) Naphthalene	14.341	128	2707057	83.362	ug/L	100
111) 1,2,3-Trichlorobenzene	14.511	180	1012486	84.417	ug/L	99

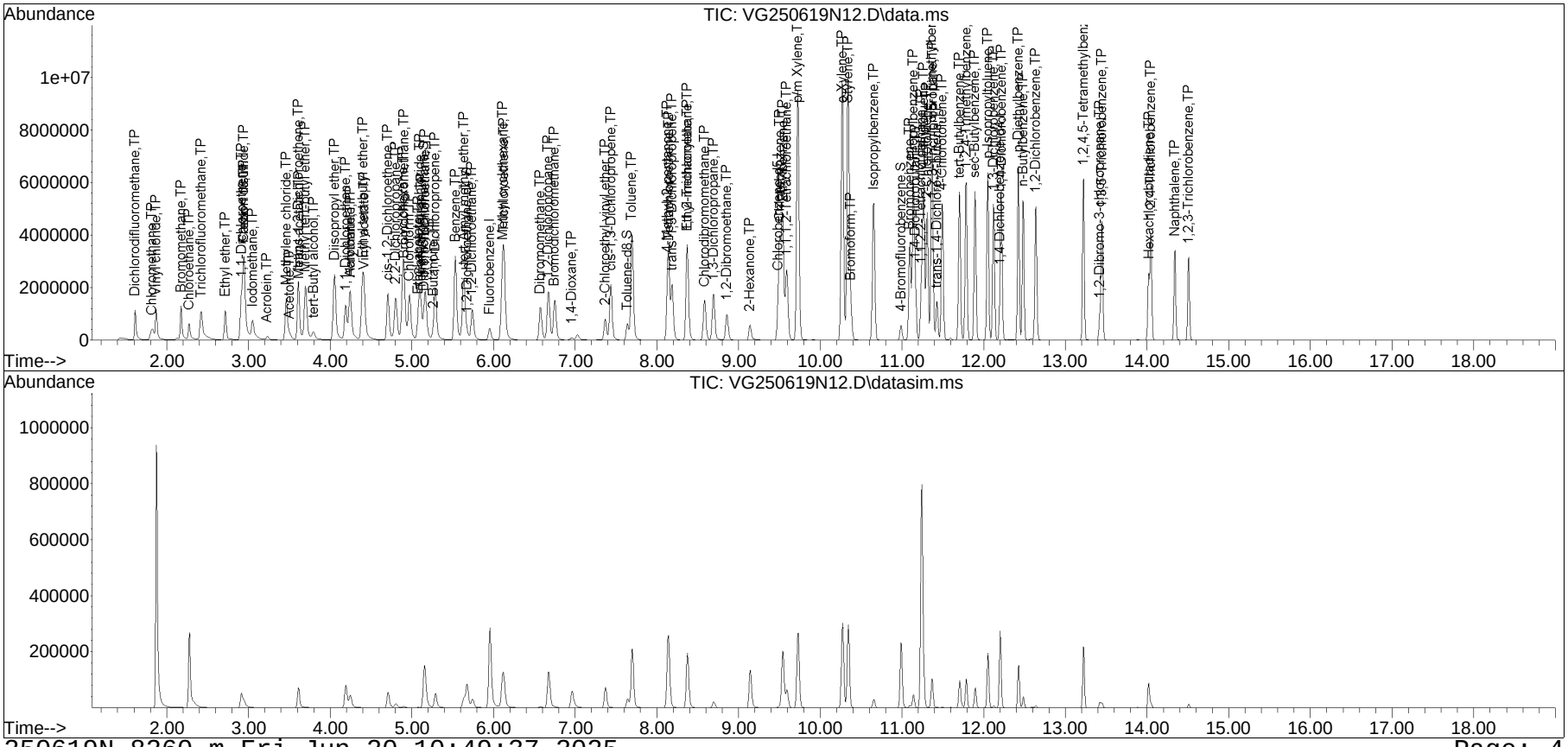
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N12.D
Acq On : 20 Jun 2025 5:08 am
Operator : GONZO:PID
Sample : I8260STD80PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 20 07:07:44 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

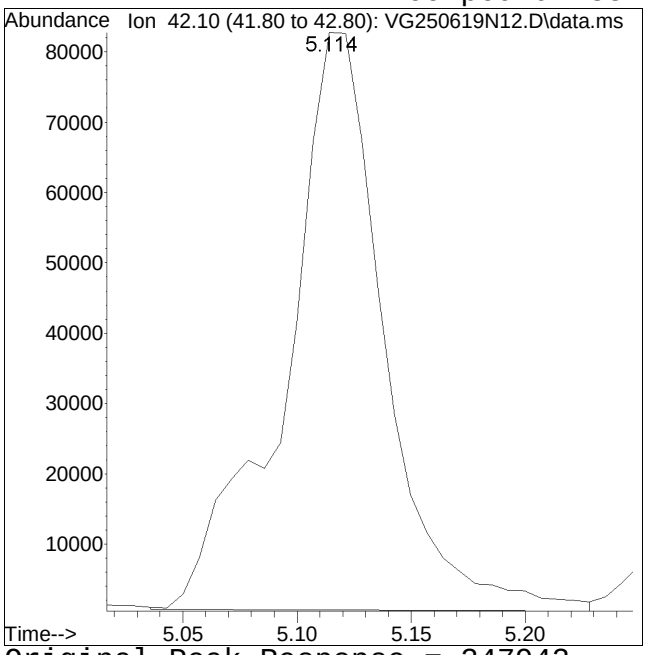
Sub List : 8260-Curve - Megamix plus DioxVG250619N10.D•



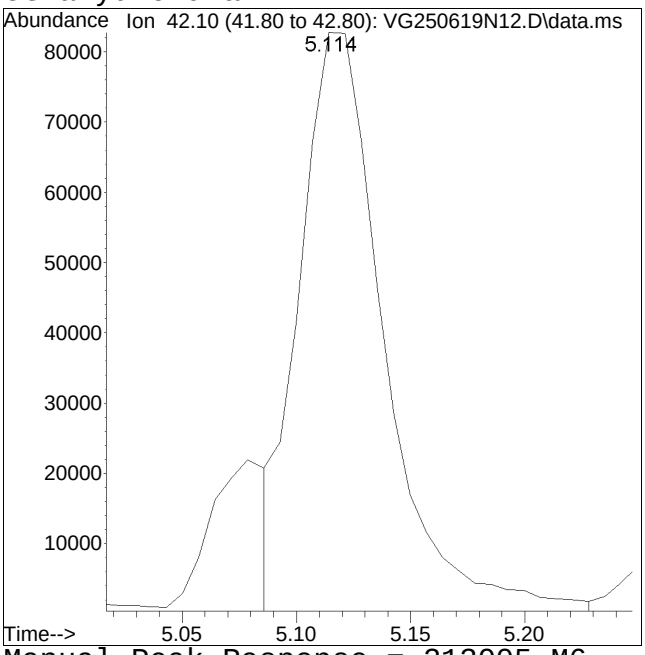
Manual Integration Report

Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N12.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 5:08 am Instrument : Gonzo
Sample : I8260STD80PPB Quant Date : 6/20/2025 7:07 am

Compound #35: Tetrahydrofuran



Original Peak Response = 247942



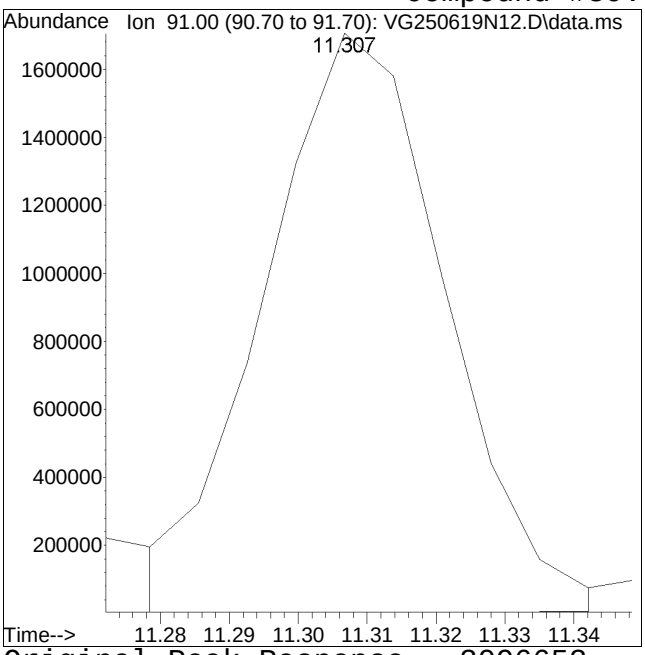
Manual Peak Response = 213005 M6

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

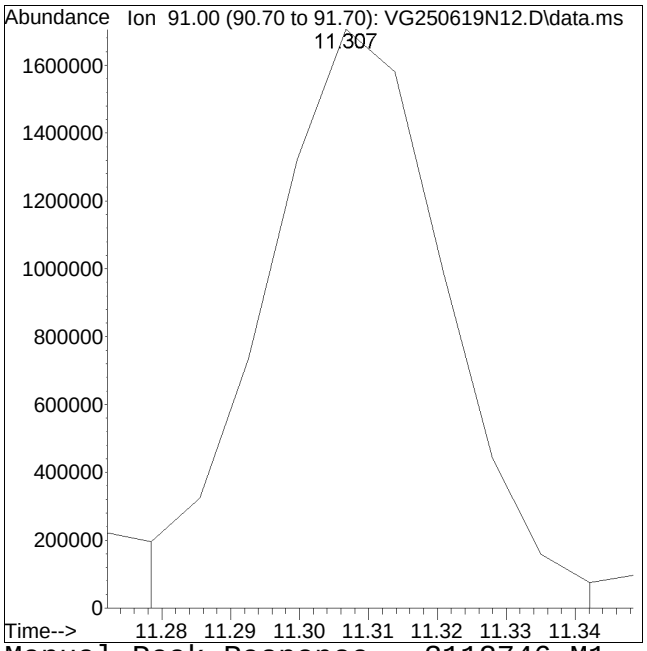
Manual Integration Report

Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N12.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 5:08 am Instrument : Gonzo
Sample : I8260STD80PPB Quant Date : 6/20/2025 7:07 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 3096653



Manual Peak Response = 3112746 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N13.D
Acq On : 20 Jun 2025 5:34 am
Operator : GONZO:PID
Sample : I8260STD120PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 20 07:07:51 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.957	96	549158	10.000	ug/L	0.00
Standard Area 1 = 552092			Recovery = 99.47%			
59) Chlorobenzene-d5	9.484	117	445369	10.000	ug/L	0.00
Standard Area 1 = 440365			Recovery = 101.14%			
79) 1,4-Dichlorobenzene-d4	12.198	152	260338	10.000	ug/L	0.00
Standard Area 1 = 255053			Recovery = 102.07%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.150	113	145105	10.180	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.80%			
43) 1,2-Dichloroethane-d4	5.674	65	142867	9.789	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.89%			
60) Toluene-d8	7.636	98	553531	10.006	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.06%			
83) 4-Bromofluorobenzene	10.988	95	214446	9.987	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.87%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.614	85	1499727	124.623	ug/L	99
3) Chloromethane	1.827	50	1381905	122.945	ug/L	98
4) Vinyl chloride	1.870	62	1560294	126.174	ug/L	100
5) Bromomethane	2.176	94	1118913	131.947	ug/L	99
6) Chloroethane	2.276	64	647561	88.948	ug/L	97
7) Trichlorofluoromethane	2.418	101	2192860	132.642	ug/L	99
8) Ethyl ether	2.717	74	752034	125.757	ug/L	98
10) 1,1-Dichloroethene	2.916	96	1280859	128.791	ug/L	100
11) Carbon disulfide	2.944	76	3819815	126.810	ug/L	99
12) Freon-113	2.944	101	1286298	129.447	ug/L	99
13) Iodomethane	3.051	142	1685615	143.637	ug/L	99
14) Acrolein	3.229	56	194644	123.891	ug/L	86
15) Methylene chloride	3.464	84	1369532	113.205	ug/L	100
17) Acetone	3.506	43	284906	121.193	ug/L	100
18) trans-1,2-Dichloroethene	3.613	96	1380503	128.098	ug/L	99
19) Methyl acetate	3.620	43	721182	130.162	ug/L	99
20) Methyl tert-butyl ether	3.698	73	3933317	125.314	ug/L	99
21) tert-Butyl alcohol	3.798	59	593338	633.286	ug/L	95
22) Diisopropyl ether	4.054	45	4068933	127.656	ug/L	99
23) 1,1-Dichloroethane	4.189	63	2402801	126.080	ug/L	98
24) Halothane	4.246	117	1136730	126.122	ug/L	99

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N13.D
Acq On : 20 Jun 2025 5:34 am
Operator : GONZO:PID
Sample : I8260STD120PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 20 07:07:51 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	4.239	53	386462	127.948	ug/L	99
26) Ethyl tert-butyl ether	4.403	59	4159985	126.930	ug/L	97
27) Vinyl acetate	4.417	43	2588264	127.367	ug/L	100
28) cis-1,2-Dichloroethene	4.709	96	1553590	123.840	ug/L	94
29) 2,2-Dichloropropane	4.801	77	2034943	127.617	ug/L	99
30) Bromochloromethane	4.908	128	683706	116.417	ug/L	97
31) Cyclohexane	4.894	56	2088112	125.687	ug/L	99
32) Chloroform	4.972	83	2405854	122.683	ug/L	97
33) Ethyl acetate	5.071	43	1103646	132.552	ug/L	97
34) Carbon tetrachloride	5.100	117	1992308	127.209	ug/L	98
35) Tetrahydrofuran	5.121	42	314790M6	117.724	ug/L	
37) 1,1,1-Trichloroethane	5.164	97	2175954	126.795	ug/L	98
39) 2-Butanone	5.256	43	472099	132.671	ug/L	87
40) 1,1-Dichloropropene	5.285	75	1716104	125.891	ug/L	99
41) Benzene	5.533	78	5397186	126.018	ug/L	100
42) tert-Amyl methyl ether	5.639	73	3952472	126.473	ug/L	99
44) 1,2-Dichloroethane	5.738	62	1716426	122.257	ug/L	98
47) Methyl cyclohexane	6.112	83	1974066	128.600	ug/L	100
48) Trichloroethene	6.126	95	1465964	124.934	ug/L	99
50) Dibromomethane	6.570	93	874470	123.386	ug/L	98
51) 1,2-Dichloropropane	6.669	63	1374403	124.866	ug/L	98
53) 2-Chloroethyl vinyl ether	7.368	63	692684	134.863	ug/L	100
54) Bromodichloromethane	6.747	83	1947225	125.188	ug/L	100
57) 1,4-Dioxane	6.958	88	141470	1256.394	ug/L	99
58) cis-1,3-Dichloropropene	7.438	75	2298225	126.181	ug/L	100
61) Toluene	7.699	92	3530278	123.793	ug/L	98
62) 4-Methyl-2-pentanone	8.130	58	440118	126.479	ug/L	98
63) Tetrachloroethene	8.144	166	1653613	125.369	ug/L	97
65) trans-1,3-Dichloropropene	8.186	75	2063119	125.399	ug/L	99
67) Ethyl methacrylate	8.370	69	1697649	127.422	ug/L	97
68) 1,1,2-Trichloroethane	8.377	83	1031613	121.957	ug/L	99
69) Chlorodibromomethane	8.581	129	1691052	125.105	ug/L	100
70) 1,3-Dichloropropane	8.694	76	2044300	124.099	ug/L	100
71) 1,2-Dibromoethane	8.856	107	1316256	122.468	ug/L	99
72) 2-Hexanone	9.139	43	719950	124.662	ug/L	97
73) Chlorobenzene	9.506	112	4156594	123.045	ug/L	99
74) Ethylbenzene	9.541	91	6816377	124.844	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.590	131	1624418	125.063	ug/L	98
76) p/m Xylene	9.724	106	5434185	249.929	ug/L	95
77) o Xylene	10.275	106	5363595	246.023	ug/L	96

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N13.D
Acq On : 20 Jun 2025 5:34 am
Operator : GONZO:PID
Sample : I8260STD120PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 20 07:07:51 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Styrene	10.338	104	9640008	257.699	ug/L	97
80) Bromoform	10.373	173	1244039	127.126	ug/L	100
82) Isopropylbenzene	10.656	105	6790882	128.119	ug/L	100
84) Bromobenzene	11.094	156	2011230	123.970	ug/L	99
85) n-Propylbenzene	11.137	91	7740026	127.698	ug/L	100
86) 1,4-Dichlorobutane	11.165	55	2123993	122.590	ug/L	99
87) 1,1,2,2-Tetrachloroethane	11.243	83	1643864	119.885	ug/L	100
88) 4-Ethyltoluene	11.264	105	6656133	127.263	ug/L	99
89) 2-Chlorotoluene	11.307	91	4768594M6	125.179	ug/L	
90) 1,3,5-Trimethylbenzene	11.363	105	5751935	126.209	ug/L	100
91) 1,2,3-Trichloropropane	11.377	75	1295102	124.279	ug/L	99
92) trans-1,4-Dichloro-2-b...	11.427	53	470464	122.981	ug/L	99
93) 4-Chlorotoluene	11.498	91	5054809	126.162	ug/L	99
94) tert-Butylbenzene	11.703	119	4749966	125.510	ug/L	99
97) 1,2,4-Trimethylbenzene	11.788	105	5722438	125.803	ug/L	100
98) sec-Butylbenzene	11.894	105	6594976	127.776	ug/L	100
99) p-Isopropyltoluene	12.049	119	5971337	128.630	ug/L	100
100) 1,3-Dichlorobenzene	12.120	146	3673772	124.760	ug/L	99
101) 1,4-Dichlorobenzene	12.219	146	3723408	123.145	ug/L	100
102) p-Diethylbenzene	12.424	119	3515178	128.022	ug/L	98
103) n-Butylbenzene	12.481	91	4648311	130.253	ug/L	99
104) 1,2-Dichlorobenzene	12.636	146	3493560	124.227	ug/L	99
105) 1,2,4,5-Tetramethylben...	13.224	119	5253943	126.391	ug/L	100
106) 1,2-Dibromo-3-chloropr...	13.422	155	323954	129.616	ug/L	96
107) 1,3,5-Trichlorobenzene	13.450	180	2297117	124.055	ug/L	99
108) Hexachlorobutadiene	14.023	225	742167	126.273	ug/L	100
109) 1,2,4-Trichlorobenzene	14.051	180	1945831	122.223	ug/L	99
110) Naphthalene	14.341	128	4110624	124.004	ug/L	100
111) 1,2,3-Trichlorobenzene	14.511	180	1509081	123.257	ug/L	99

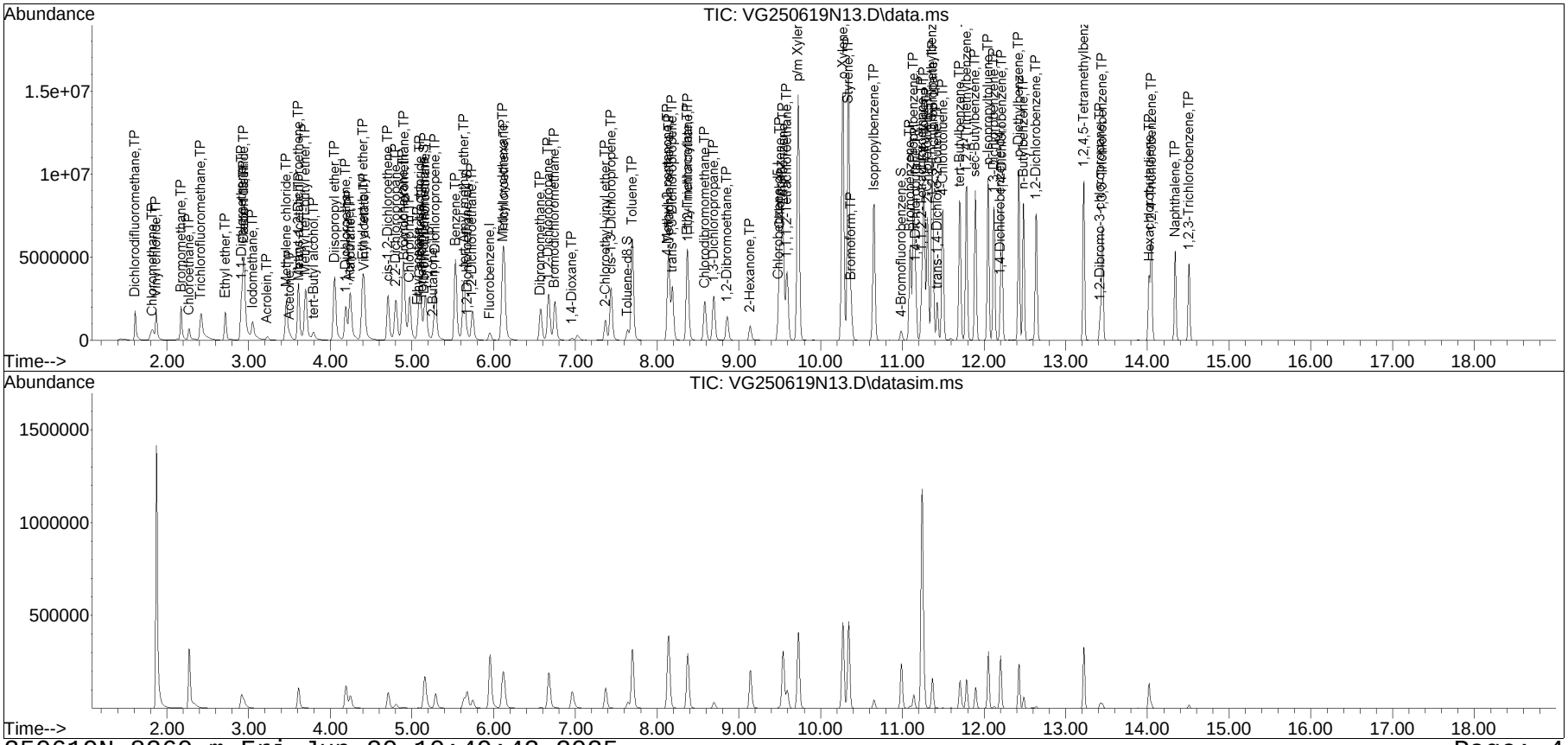
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N13.D
Acq On : 20 Jun 2025 5:34 am
Operator : GONZO:PID
Sample : I8260STD120PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 20 07:07:51 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

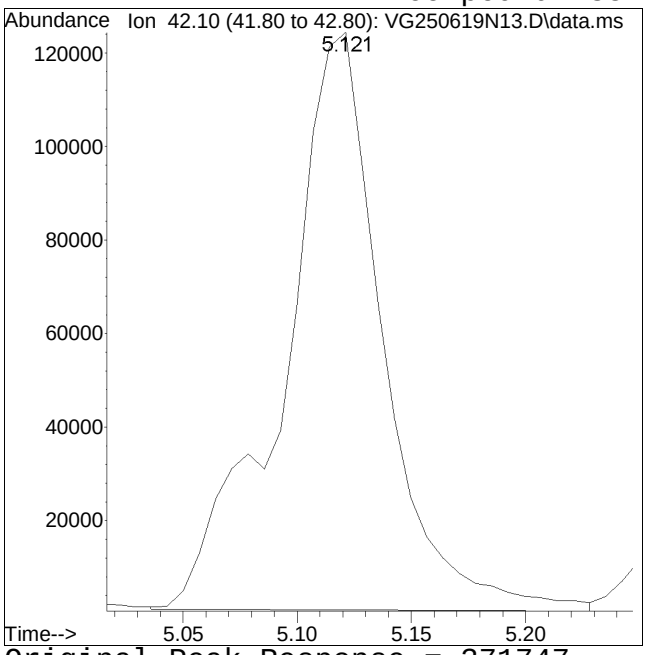
Sub List : 8260-Curve - Megamix plus DioxVG250619N10.D•



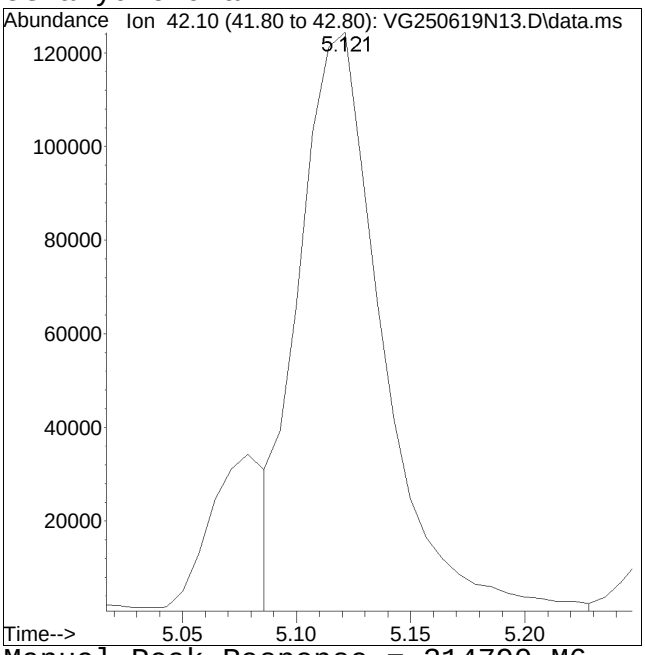
Manual Integration Report

Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N13.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 5:34 am Instrument : Gonzo
Sample : I8260STD120PPB Quant Date : 6/20/2025 7:07 am

Compound #35: Tetrahydrofuran



Original Peak Response = 371747



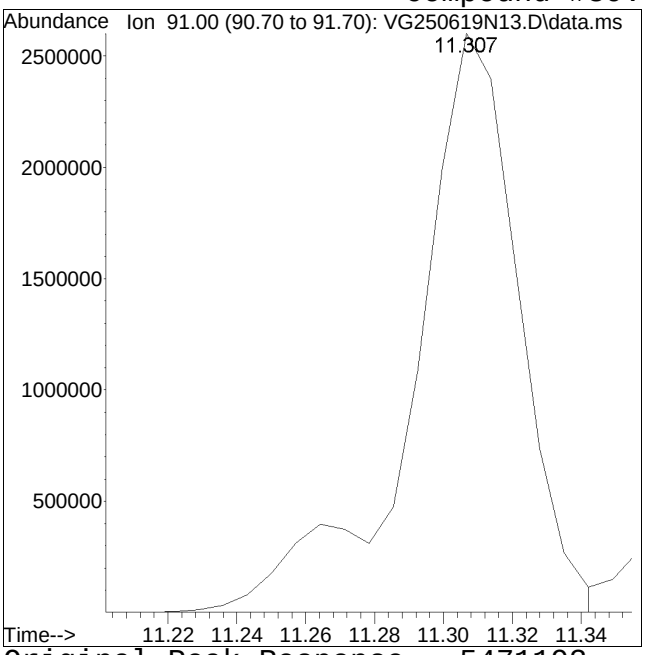
Manual Peak Response = 314790 M6

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

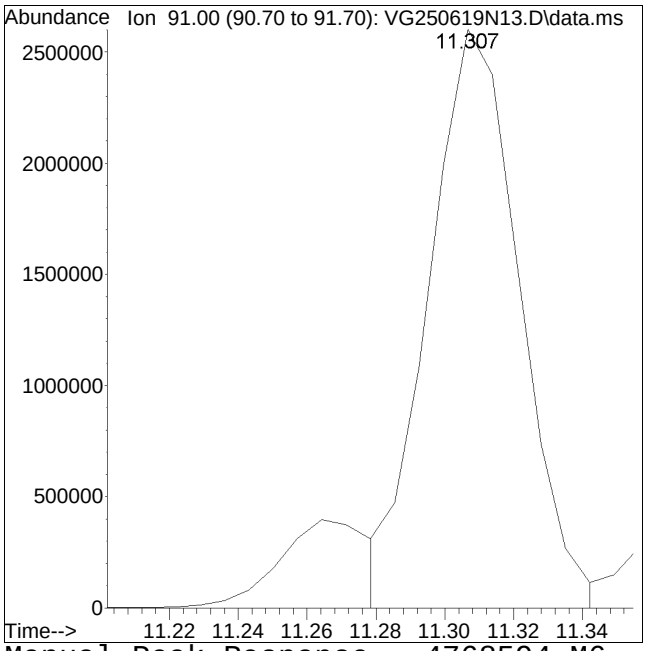
Manual Integration Report

Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N13.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 5:34 am Instrument : Gonzo
Sample : I8260STD120PPB Quant Date : 6/20/2025 7:07 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 5471193



Manual Peak Response = 4768594 M6

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N14.D
Acq On : 20 Jun 2025 6:01 am
Operator : GONZO:PID
Sample : I8260STD200PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 20 07:07:58 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.950	96	577464	10.000	ug/L	0.00
Standard Area 1 = 552092			Recovery = 104.60%			
59) Chlorobenzene-d5	9.485	117	459638	10.000	ug/L	0.00
Standard Area 1 = 440365			Recovery = 104.38%			
79) 1,4-Dichlorobenzene-d4	12.205	152	276525	10.000	ug/L	0.00
Standard Area 1 = 255053			Recovery = 108.42%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.150	113	150686	10.053	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.53%			
43) 1,2-Dichloroethane-d4	5.674	65	157245	10.247	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.47%			
60) Toluene-d8	7.636	98	573502	10.045	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.45%			
83) 4-Bromofluorobenzene	10.989	95	224309	9.835	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.35%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.614	85	2440048	192.822	ug/L	99
3) Chloromethane	1.827	50	2320906	196.365	ug/L	98
4) Vinyl chloride	1.870	62	2640141	203.031	ug/L	99
5) Bromomethane	2.176	94	1943686	217.973	ug/L	98
6) Chloroethane	2.269	64	757487M1	98.947	ug/L	
7) Trichlorofluoromethane	2.418	101	3677172	211.523	ug/L	99
8) Ethyl ether	2.717	74	1246437	198.215	ug/L	98
10) 1,1-Dichloroethene	2.916	96	2128316	203.513	ug/L	98
11) Carbon disulfide	2.944	76	6387961	201.671	ug/L	99
12) Freon-113	2.944	101	2136456	204.464	ug/L	99
13) Iodomethane	3.051	142	2797839	226.727	ug/L	100
14) Acrolein	3.229	56	330572	200.095	ug/L	87
15) Methylene chloride	3.464	84	2268518	178.324	ug/L	100
17) Acetone	3.506	43	479107	193.812	ug/L	100
18) trans-1,2-Dichloroethene	3.613	96	2287645	201.867	ug/L	98
19) Methyl acetate	3.620	43	1182643	202.985	ug/L	98
20) Methyl tert-butyl ether	3.699	73	6530980	197.876	ug/L	99
21) tert-Butyl alcohol	3.798	59	977475	992.147	ug/L	96
22) Diisopropyl ether	4.054	45	6761663	201.738	ug/L	99
23) 1,1-Dichloroethane	4.189	63	3849238	192.077	ug/L	98
24) Halothane	4.246	117	1879715	198.334	ug/L	99

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N14.D
Acq On : 20 Jun 2025 6:01 am
Operator : GONZO:PID
Sample : I8260STD200PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 20 07:07:58 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	4.239	53	660427	207.933	ug/L	98
26) Ethyl tert-butyl ether	4.403	59	6945112	201.523	ug/L	97
27) Vinyl acetate	4.417	43	4331048	202.682	ug/L	100
28) cis-1,2-Dichloroethene	4.709	96	2602326	197.269	ug/L	95
29) 2,2-Dichloropropane	4.801	77	3345427	199.517	ug/L	99
30) Bromochloromethane	4.908	128	1140457	184.670	ug/L	97
31) Cyclohexane	4.894	56	3455622	197.804	ug/L	99
32) Chloroform	4.972	83	3951003	191.600	ug/L	95
33) Ethyl acetate	5.072	43	1827489	208.729	ug/L	97
34) Carbon tetrachloride	5.100	117	3284013	199.406	ug/L	98
35) Tetrahydrofuran	5.114	42	515124M6	183.202	ug/L	
37) 1,1,1-Trichloroethane	5.164	97	3607588	199.914	ug/L	99
39) 2-Butanone	5.257	43	788136	210.628	ug/L	85
40) 1,1-Dichloropropene	5.285	75	2861920	199.655	ug/L	100
41) Benzene	5.533	78	8999509	199.828	ug/L	100
42) tert-Amyl methyl ether	5.632	73	6582705	200.312	ug/L	99
44) 1,2-Dichloroethane	5.738	62	2891284	195.845	ug/L	98
47) Methyl cyclohexane	6.112	83	3282944	203.383	ug/L	100
48) Trichloroethene	6.126	95	2448072	198.406	ug/L	100
50) Dibromomethane	6.571	93	1457265	195.538	ug/L	98
51) 1,2-Dichloropropane	6.669	63	2285978	197.503	ug/L	98
53) 2-Chloroethyl vinyl ether	7.368	63	1184423	219.299	ug/L	99
54) Bromodichloromethane	6.747	83	3233345	197.684	ug/L	99
57) 1,4-Dioxane	6.959	88	235107	1985.634	ug/L	98
58) cis-1,3-Dichloropropene	7.438	75	3813141	199.093	ug/L	99
61) Toluene	7.699	92	5858785	199.066	ug/L	99
62) 4-Methyl-2-pentanone	8.130	58	729358	203.092	ug/L	98
63) Tetrachloroethene	8.144	166	2727006	200.330	ug/L	97
65) trans-1,3-Dichloropropene	8.186	75	3462978	203.950	ug/L	99
67) Ethyl methacrylate	8.370	69	2828204	205.689	ug/L	97
68) 1,1,2-Trichloroethane	8.370	83	1726456	197.765	ug/L	99
69) Chlorodibromomethane	8.581	129	2844638	203.914	ug/L	100
70) 1,3-Dichloropropane	8.694	76	3403711	200.208	ug/L	99
71) 1,2-Dibromoethane	8.857	107	2197905	198.150	ug/L	99
72) 2-Hexanone	9.139	43	1204663	202.116	ug/L	99
73) Chlorobenzene	9.506	112	6923323	198.585	ug/L	99
74) Ethylbenzene	9.541	91	11427843	202.807	ug/L	100
75) 1,1,1,2-Tetrachloroethane	9.590	131	2718927	202.830	ug/L	99
76) p/m Xylene	9.732	106	9286957	413.865	ug/L	97
77) o Xylene	10.275	106	9439647	419.545	ug/L	97

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N14.D
Acq On : 20 Jun 2025 6:01 am
Operator : GONZO:PID
Sample : I8260STD200PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 20 07:07:58 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Styrene	10.345	104	16701780	432.615	ug/L	95
80) Bromoform	10.374	173	2118978	203.860	ug/L	100
82) Isopropylbenzene	10.656	105	11356919	201.722	ug/L	100
84) Bromobenzene	11.095	156	3332733	193.402	ug/L	99
85) n-Propylbenzene	11.137	91	13007561	202.042	ug/L	100
86) 1,4-Dichlorobutane	11.165	55	3558254	193.350	ug/L	98
87) 1,1,2,2-Tetrachloroethane	11.243	83	2744560	188.441	ug/L	100
88) 4-Ethyltoluene	11.264	105	11121790	200.197	ug/L	100
89) 2-Chlorotoluene	11.314	91	8022194M6	198.262	ug/L	
90) 1,3,5-Trimethylbenzene	11.370	105	10129930	209.260	ug/L	100
91) 1,2,3-Trichloropropane	11.378	75	2257909	203.988	ug/L	99
92) trans-1,4-Dichloro-2-b...	11.427	53	789930	194.404	ug/L	100
93) 4-Chlorotoluene	11.498	91	8522814	200.268	ug/L	98
94) tert-Butylbenzene	11.703	119	8083257	201.084	ug/L	98
97) 1,2,4-Trimethylbenzene	11.788	105	9961037	206.166	ug/L	99
98) sec-Butylbenzene	11.894	105	11245780	205.130	ug/L	100
99) p-Isopropyltoluene	12.050	119	10439229	211.711	ug/L	99
100) 1,3-Dichlorobenzene	12.120	146	6215792	198.730	ug/L	99
101) 1,4-Dichlorobenzene	12.219	146	6304571	196.307	ug/L	99
102) p-Diethylbenzene	12.424	119	6212086	212.999	ug/L	99
103) n-Butylbenzene	12.481	91	8061520	212.673	ug/L	99
104) 1,2-Dichlorobenzene	12.644	146	5943283	198.966	ug/L	99
105) 1,2,4,5-Tetramethylben...	13.224	119	9354768	211.869	ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.422	155	541133	203.837	ug/L	96
107) 1,3,5-Trichlorobenzene	13.450	180	3714077	188.837	ug/L	98
108) Hexachlorobutadiene	14.023	225	1206581	193.272	ug/L	100
109) 1,2,4-Trichlorobenzene	14.044	180	3088572	182.645	ug/L	98
110) Naphthalene	14.341	128	6605433	187.600	ug/L	100
111) 1,2,3-Trichlorobenzene	14.511	180	2305282	177.266	ug/L	98

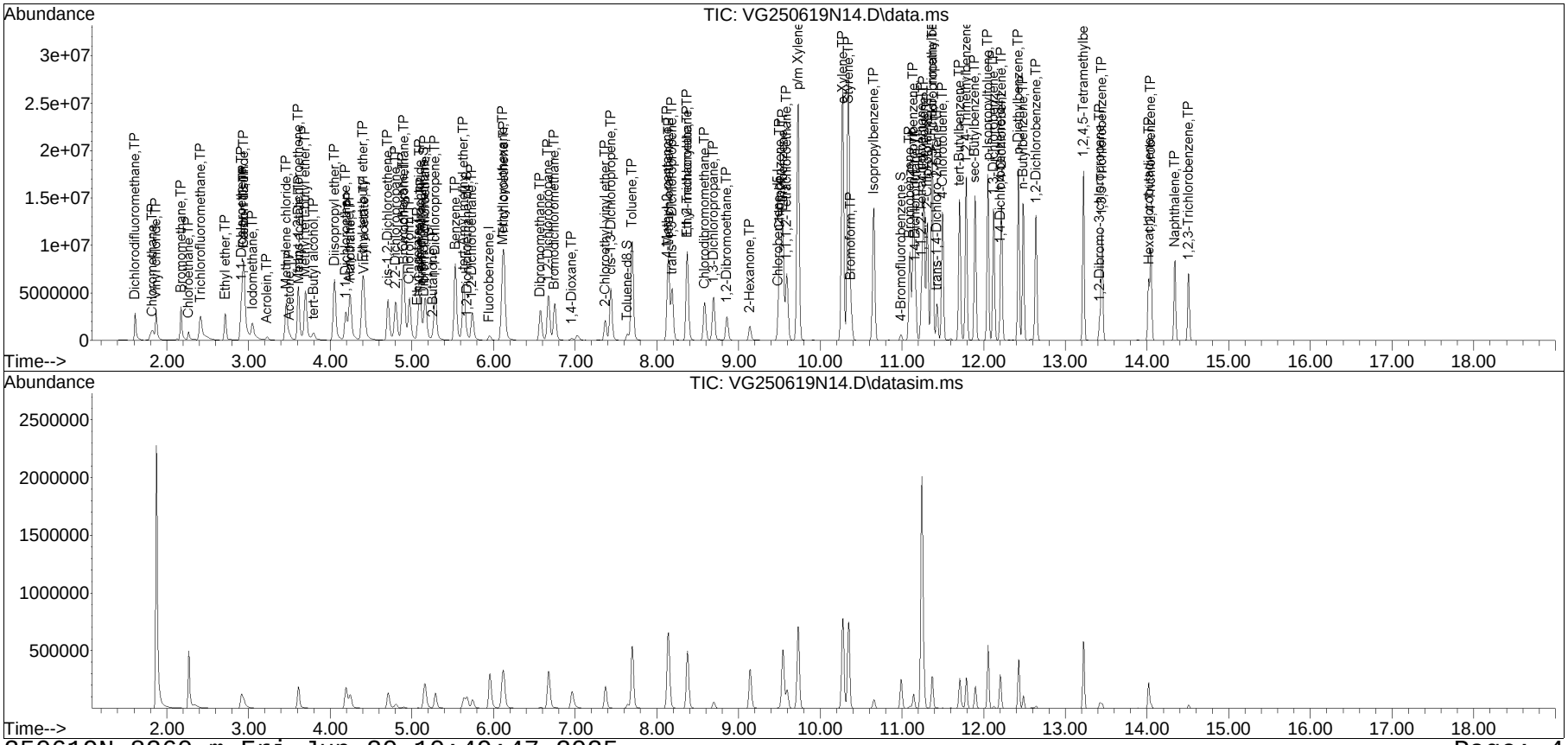
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N14.D
Acq On : 20 Jun 2025 6:01 am
Operator : GONZO:PID
Sample : I8260STD200PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 20 07:07:58 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

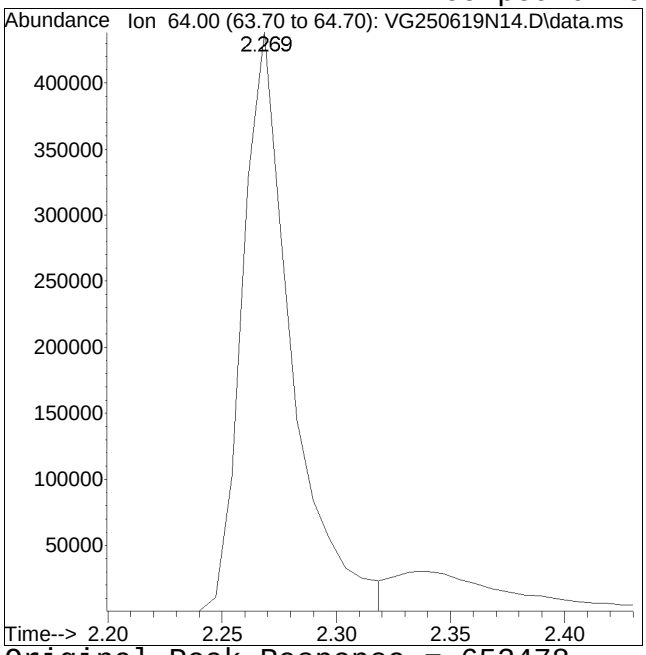
Sub List : 8260-Curve - Megamix plus DioxVG250619N10.D•

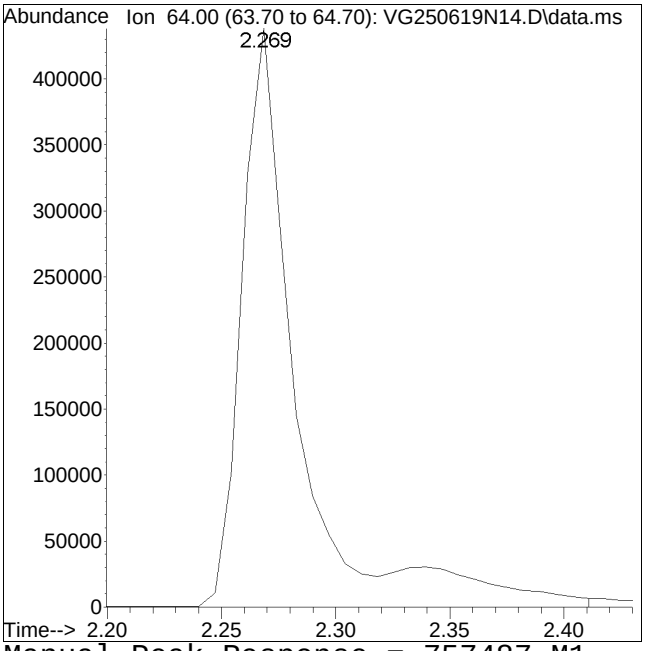


Manual Integration Report

Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N14.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 6:01 am Instrument : Gonzo
Sample : I8260STD200PPB Quant Date : 6/20/2025 7:07 am

Compound #6: Chloroethane



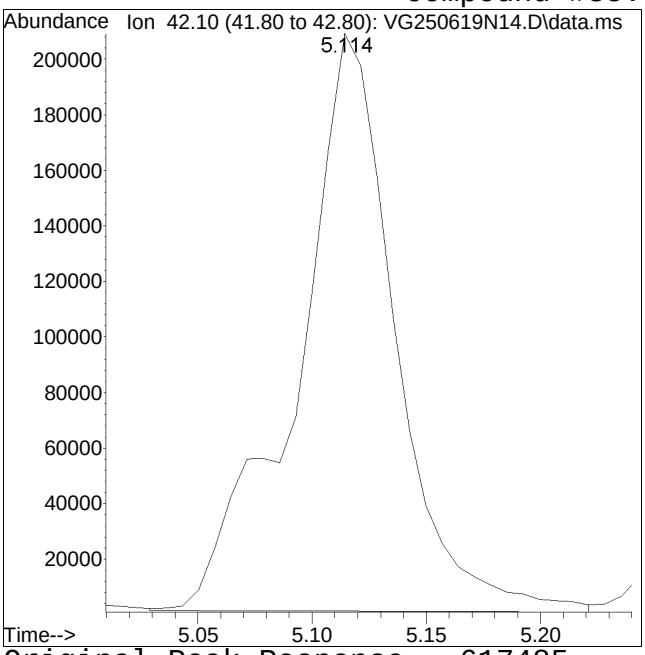


Original Peak Response = 652478 Manual Peak Response = 757487 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

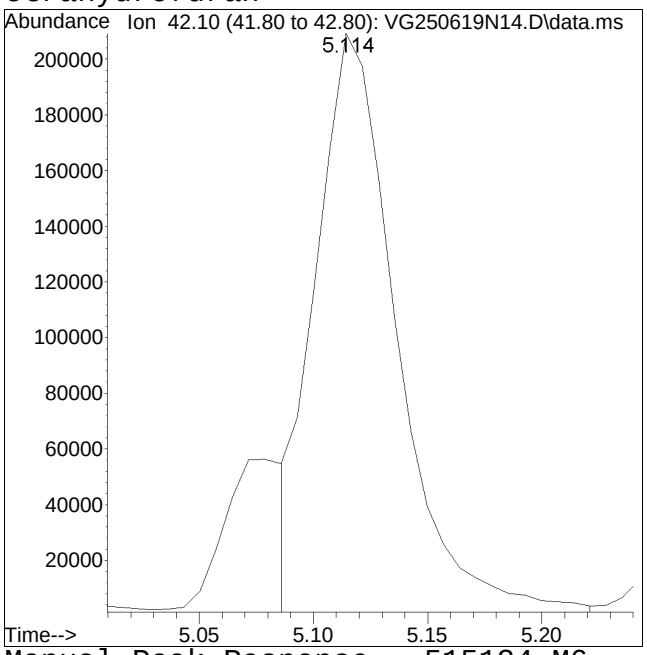
Manual Integration Report

Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N14.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 6:01 am Instrument : Gonzo
Sample : I8260STD200PPB Quant Date : 6/20/2025 7:07 am

Compound #35: Tetrahydrofuran



Original Peak Response = 617485



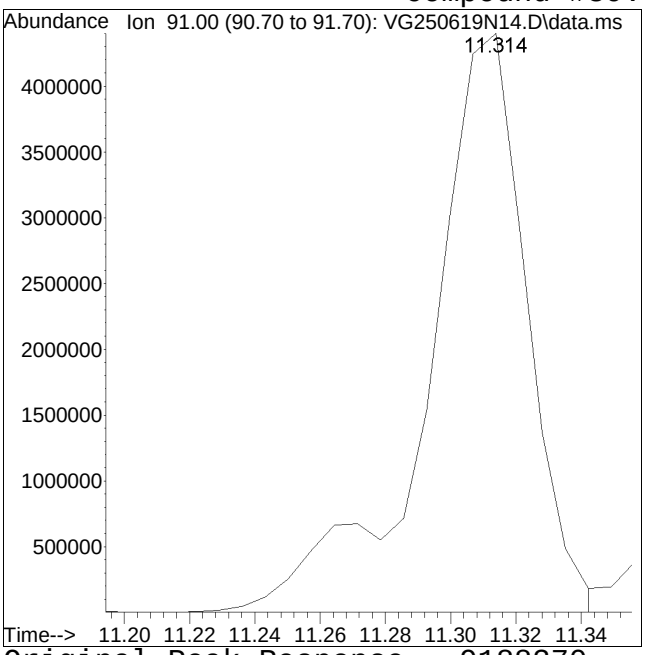
Manual Peak Response = 515124 M6

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

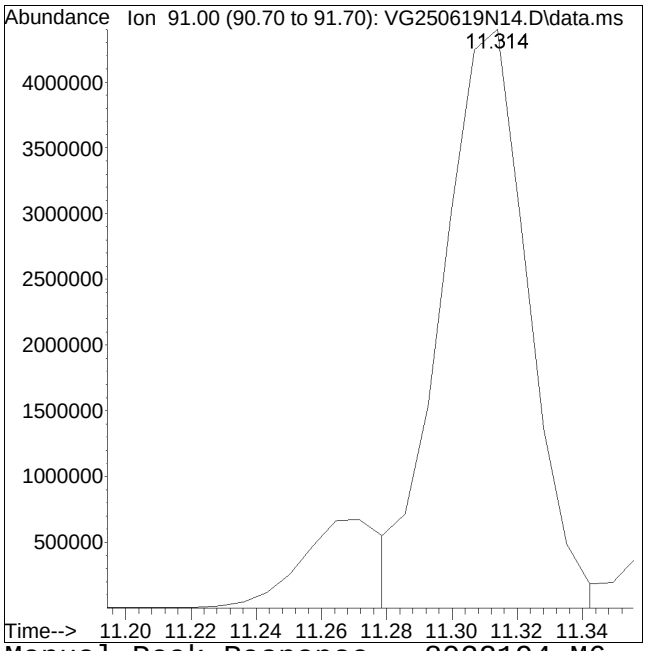
Manual Integration Report

Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N14.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 6:01 am Instrument : Gonzo
Sample : I8260STD200PPB Quant Date : 6/20/2025 7:07 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 9188370



Manual Peak Response = 8022194 M6

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

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N19.D
Acq On : 20 Jun 2025 8:14 am
Operator : GONZO:PID
Sample : C8260STD10PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 20 10:24:41 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	97	0.00
2	TP	Dichlorodifluoromethane	0.219	0.244	-11.4	106	0.00
3	TP	Chloromethane	0.205	0.229	-11.7	111	0.00
4	TP	Vinyl chloride	0.225	0.240	-6.7	100	0.00
5	TP	Bromomethane	0.154	0.146	5.2	104	0.00
6	TP	Chloroethane	0.153	0.154	-0.7	97	0.00
7	TP	Trichlorofluoromethane	0.301	0.293	2.7	92	0.00
8	TP	Ethyl ether	0.109	0.095	12.8	86	0.00
10	TP	1,1-Dichloroethene	0.181	0.174	3.9	94	0.00
11	TP	Carbon disulfide	0.549	0.434	20.9#	77	0.00
12	TP	Freon-113	0.181	0.186	-2.8	98	0.00
13	TP	Iodomethane	* 10.000	5.663	43.4#	64	0.00
14	TP	Acrolein	0.029	0.023	20.7#	74	0.00
15	TP	Methylene chloride	0.220	0.201	8.6	96	0.00
17	TP	Acetone	0.043	0.036	16.3	91	0.00
18	TP	trans-1,2-Dichloroethene	0.196	0.203	-3.6	99	0.00
19	TP	Methyl acetate	0.101	0.092	8.9	93	0.00
20	TP	Methyl tert-butyl ether	0.572	0.478	16.4	81	0.00
21	TP	tert-Butyl alcohol	0.017	0.014	17.6	79	0.00
22	TP	Diisopropyl ether	0.580	0.518	10.7	86	0.00
23	TP	1,1-Dichloroethane	0.347	0.346	0.3	94	0.00
24	TP	Halothane	0.164	0.164	0.0	96	0.00
25	TP	Acrylonitrile	0.055	0.050	9.1	91	0.00
26	TP	Ethyl tert-butyl ether	0.597	0.524	12.2	85	0.00
27	TP	Vinyl acetate	0.370	0.320	13.5	89	0.00
28	TP	cis-1,2-Dichloroethene	0.228	0.218	4.4	92	0.00
29	TP	2,2-Dichloropropane	0.290	0.269	7.2	90	0.00
30	TP	Bromochloromethane	0.107	0.104	2.8	92	0.00
31	TP	Cyclohexane	0.303	0.278	8.3	91	0.00
32	TP	Chloroform	0.357	0.338	5.3	93	0.00
33	TP	Ethyl acetate	0.152	0.139	8.6	88	0.00
34	TP	Carbon tetrachloride	0.285	0.276	3.2	90	0.00
35	TP	Tetrahydrofuran	0.049	0.040	18.4	86	0.00
36	S	Dibromofluoromethane	0.260	0.254	2.3	95	0.00
37	TP	1,1,1-Trichloroethane	0.312	0.312	0.0	97	0.00
39	TP	2-Butanone	0.065	0.049	24.6#	85	0.00
40	TP	1,1-Dichloropropene	0.248	0.256	-3.2	100	0.00
41	TP	Benzene	0.780	0.775	0.6	94	0.00
42	TP	tert-Amyl methyl ether	0.569	0.494	13.2	85	0.00

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N19.D
Acq On : 20 Jun 2025 8:14 am
Operator : GONZO:PID
Sample : C8260STD10PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 20 10:24:41 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.266	0.271	-1.9	96	0.00
44	TP	1,2-Dichloroethane	0.256	0.243	5.1	95	0.00
47	TP	Methyl cyclohexane	0.280	0.266	5.0	92	0.00
48	TP	Trichloroethene	0.214	0.210	1.9	94	0.00
50	TP	Dibromomethane	0.129	0.119	7.8	90	0.00
51	TP	1,2-Dichloropropane	0.200	0.196#	2.0	93	0.00
53	TP	2-Chloroethyl vinyl ether	0.094	0.079	16.0	84	0.00
54	TP	Bromodichloromethane	0.283	0.261#	7.8	89	0.00
57	TP	1,4-Dioxane	0.00205	0.00186#	9.3	90	0.00
58	TP	cis-1,3-Dichloropropene	0.332	0.314	5.4	92	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
60	S	Toluene-d8	1.242	1.236	0.5	97	0.00
61	TP	Toluene	0.640	0.618	3.4	94	0.00
62	TP	4-Methyl-2-pentanone	0.078	0.062	20.5#	79	0.00
63	TP	Tetrachloroethene	0.296	0.294	0.7	93	0.00
65	TP	trans-1,3-Dichloropropene	0.369	0.343	7.0	91	0.00
67	TP	Ethyl methacrylate	0.299	0.262	12.4	88	0.00
68	TP	1,1,2-Trichloroethane	0.190	0.174#	8.4	92	0.00
69	TP	Chlorodibromomethane	0.304	0.285	6.3	94	0.00
70	TP	1,3-Dichloropropane	0.370	0.347	6.2	91	0.00
71	TP	1,2-Dibromoethane	0.241	0.224	7.1	90	0.00
72	TP	2-Hexanone	0.130	0.104	20.0#	78	0.00
73	TP	Chlorobenzene	0.758	0.738	2.6	95	0.00
74	TP	Ethylbenzene	1.226	1.183	3.5	94	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.292	0.272	6.8	92	0.00
76	TP	p/m Xylene	0.488	0.479	1.8	94	0.00
77	TP	o Xylene	0.490	0.462	5.7	92	0.00
78	TP	Styrene	0.840	0.785	6.5	92	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
80	TP	Bromoform	0.376	0.341	9.3	91	0.00
82	TP	Isopropylbenzene	2.036	1.991	2.2	93	0.00
83	S	4-Bromofluorobenzene	0.825	0.823	0.2	96	0.00
84	TP	Bromobenzene	0.623	0.619	0.6	94	0.00
85	TP	n-Propylbenzene	2.328	2.296	1.4	94	0.00
86	TP	1,4-Dichlorobutane	0.666	0.596	10.5	89	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.527	0.460	12.7	88	0.00
88	TP	4-Ethyltoluene	2.009	2.000	0.4	95	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N19.D
Acq On : 20 Jun 2025 8:14 am
Operator : GONZO:PID
Sample : C8260STD10PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 20 10:24:41 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
89 TP	2-Chlorotoluene	1.463	1.400	4.3	92	0.00
90 TP	1,3,5-Trimethylbenzene	1.751	1.692	3.4	93	0.00
91 TP	1,2,3-Trichloropropane	0.400	0.369	7.8	90	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.147	0.122	17.0	89	0.00
93 TP	4-Chlorotoluene	1.539	1.499	2.6	93	0.00
94 TP	tert-Butylbenzene	1.454	1.418	2.5	93	0.00
97 TP	1,2,4-Trimethylbenzene	1.747	1.773	-1.5	98	0.00
98 TP	sec-Butylbenzene	1.983	1.945	1.9	94	0.00
99 TP	p-Isopropyltoluene	1.783	1.769	0.8	95	0.00
100 TP	1,3-Dichlorobenzene	1.131	1.089	3.7	93	0.00
101 TP	1,4-Dichlorobenzene	1.161	1.136	2.2	94	0.00
102 TP	p-Diethylbenzene	1.055	0.980	7.1	90	0.00
103 TP	n-Butylbenzene	1.371	1.374	-0.2	97	0.00
104 TP	1,2-Dichlorobenzene	1.080	1.057	2.1	93	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.597	1.534	3.9	92	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.096	0.084	12.5	84	0.00
107 TP	1,3,5-Trichlorobenzene	0.711	0.680	4.4	89	0.00
108 TP	Hexachlorobutadiene	0.226	0.220	2.7	93	0.00
109 TP	1,2,4-Trichlorobenzene	0.612	0.575	6.0	88	0.00
110 TP	Naphthalene	1.273	1.103	13.4	83	0.00
111 TP	1,2,3-Trichlorobenzene	0.470	0.410	12.8	81	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 4 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N19.D
Acq On : 20 Jun 2025 8:14 am
Operator : GONZO:PID
Sample : C8260STD10PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 20 10:24:41 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.949	96	535552	10.000	ug/L	0.00
Standard Area 1 = 552092			Recovery = 97.00%			
59) Chlorobenzene-d5	9.484	117	430737	10.000	ug/L	0.00
Standard Area 1 = 440365			Recovery = 97.81%			
79) 1,4-Dichlorobenzene-d4	12.198	152	246212	10.000	ug/L	0.00
Standard Area 1 = 255053			Recovery = 96.53%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.150	113	136111	9.791	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.91%			
43) 1,2-Dichloroethane-d4	5.674	65	144928	10.183	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.83%			
60) Toluene-d8	7.636	98	532538	9.953	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.53%			
83) 4-Bromofluorobenzene	10.981	95	202526	9.973	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.73%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.614	85	130752	11.141	ug/L	99
3) Chloromethane	1.813	50	122523	11.178	ug/L	98
4) Vinyl chloride	1.870	62	128302	10.639	ug/L	100
5) Bromomethane	2.176	94	78279	9.466	ug/L	98
6) Chloroethane	2.276	64	82680	10.102	ug/L	100
7) Trichlorofluoromethane	2.418	101	156980	9.737	ug/L	92
8) Ethyl ether	2.717	74	50631	8.682	ug/L	94
10) 1,1-Dichloroethene	2.909	96	93448	9.635	ug/L	98
11) Carbon disulfide	2.944	76	232485	7.914	ug/L	99
12) Freon-113	2.944	101	99564	10.274	ug/L #	73
13) Iodomethane	3.051	142	60294	5.663	ug/L	99
14) Acrolein	3.236	56	12252M3	7.996	ug/L	
15) Methylene chloride	3.464	84	107722	9.131	ug/L	96
17) Acetone	3.513	43	19515	8.512	ug/L	97
18) trans-1,2-Dichloroethene	3.613	96	108500	10.324	ug/L	97
19) Methyl acetate	3.620	43	49334	9.130	ug/L	99
20) Methyl tert-butyl ether	3.698	73	256019	8.364	ug/L	99
21) tert-Butyl alcohol	3.798	59	36733	40.202	ug/L	99
22) Diisopropyl ether	4.054	45	277416	8.925	ug/L	100
23) 1,1-Dichloroethane	4.189	63	185235	9.967	ug/L	99
24) Halothane	4.246	117	88056	10.018	ug/L	99

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N19.D
Acq On : 20 Jun 2025 8:14 am
Operator : GONZO:PID
Sample : C8260STD10PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 20 10:24:41 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	4.246	53	27006	9.168	ug/L	95
26) Ethyl tert-butyl ether	4.403	59	280772	8.785	ug/L	97
27) Vinyl acetate	4.424	43	171441	8.651	ug/L	100
28) cis-1,2-Dichloroethene	4.709	96	116724	9.541	ug/L	98
29) 2,2-Dichloropropane	4.801	77	144191	9.272	ug/L	98
30) Bromochloromethane	4.901	128	55517	9.693	ug/L	96
31) Cyclohexane	4.894	56	149125	9.204	ug/L	96
32) Chloroform	4.972	83	181239	9.477	ug/L	97
33) Ethyl acetate	5.079	43	74368	9.159	ug/L	97
34) Carbon tetrachloride	5.100	117	147562	9.661	ug/L	96
35) Tetrahydrofuran	5.121	42	21389M6	8.202	ug/L	
37) 1,1,1-Trichloroethane	5.164	97	167006	9.979	ug/L	97
39) 2-Butanone	5.271	43	26092	7.519	ug/L	96
40) 1,1-Dichloropropene	5.285	75	136900	10.298	ug/L	99
41) Benzene	5.533	78	414881	9.933	ug/L	99
42) tert-Amyl methyl ether	5.639	73	264674	8.684	ug/L	98
44) 1,2-Dichloroethane	5.738	62	130379	9.523	ug/L	99
47) Methyl cyclohexane	6.112	83	142704	9.533	ug/L	99
48) Trichloroethene	6.126	95	112520	9.833	ug/L	97
50) Dibromomethane	6.570	93	63886	9.243	ug/L	99
51) 1,2-Dichloropropane	6.676	63	105221	9.802	ug/L	98
53) 2-Chloroethyl vinyl ether	7.368	63	42147	8.414	ug/L	96
54) Bromodichloromethane	6.754	83	139774	9.214	ug/L	99
57) 1,4-Dioxane	6.958	88	49888	454.311	ug/L	98
58) cis-1,3-Dichloropropene	7.438	75	168259	9.473	ug/L	99
61) Toluene	7.692	92	266181	9.651	ug/L	100
62) 4-Methyl-2-pentanone	8.130	58	26899	7.993	ug/L	98
63) Tetrachloroethene	8.137	166	126775	9.938	ug/L	99
65) trans-1,3-Dichloropropene	8.186	75	147792	9.288	ug/L	99
67) Ethyl methacrylate	8.370	69	113043	8.773	ug/L	98
68) 1,1,2-Trichloroethane	8.370	83	74799	9.143	ug/L	99
69) Chlorodibromomethane	8.581	129	122547	9.374	ug/L	98
70) 1,3-Dichloropropane	8.694	76	149263	9.369	ug/L	98
71) 1,2-Dibromoethane	8.856	107	96339	9.268	ug/L	98
72) 2-Hexanone	9.146	43	44692	8.001	ug/L	99
73) Chlorobenzene	9.506	112	317838	9.728	ug/L	99
74) Ethylbenzene	9.534	91	509496	9.649	ug/L	98
75) 1,1,1,2-Tetrachloroethane	9.583	131	116980	9.312	ug/L	99
76) p/m Xylene	9.724	106	412392	19.611	ug/L	100
77) o Xylene	10.268	106	397728	18.863	ug/L	98

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N19.D
Acq On : 20 Jun 2025 8:14 am
Operator : GONZO:PID
Sample : C8260STD10PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 20 10:24:41 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Styrene	10.338	104	675929	18.683	ug/L	99
80) Bromoform	10.366	173	83947	9.071	ug/L	98
82) Isopropylbenzene	10.649	105	490157	9.778	ug/L	99
84) Bromobenzene	11.094	156	152509	9.940	ug/L	100
85) n-Propylbenzene	11.137	91	565202	9.860	ug/L	98
86) 1,4-Dichlorobutane	11.158	55	146723	8.954	ug/L	100
87) 1,1,2,2-Tetrachloroethane	11.236	83	113148	8.725	ug/L	100
88) 4-Ethyltoluene	11.264	105	492443	9.956	ug/L	99
89) 2-Chlorotoluene	11.307	91	344604M1	9.565	ug/L	
90) 1,3,5-Trimethylbenzene	11.363	105	416648	9.667	ug/L	99
91) 1,2,3-Trichloropropane	11.370	75	90890	9.222	ug/L	100
92) trans-1,4-Dichloro-2-b...	11.427	53	29962	8.282	ug/L	96
93) 4-Chlorotoluene	11.491	91	369128	9.742	ug/L	99
94) tert-Butylbenzene	11.703	119	349216	9.757	ug/L	100
97) 1,2,4-Trimethylbenzene	11.781	105	436641	10.150	ug/L	99
98) sec-Butylbenzene	11.894	105	478909	9.811	ug/L	99
99) p-Isopropyltoluene	12.049	119	435577	9.921	ug/L	99
100) 1,3-Dichlorobenzene	12.120	146	268153	9.629	ug/L	98
101) 1,4-Dichlorobenzene	12.212	146	279740	9.783	ug/L	99
102) p-Diethylbenzene	12.424	119	241305	9.292	ug/L	99
103) n-Butylbenzene	12.481	91	338344	10.025	ug/L	99
104) 1,2-Dichlorobenzene	12.636	146	260178	9.782	ug/L	99
105) 1,2,4,5-Tetramethylben...	13.216	119	377801	9.610	ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.422	155	20618	8.723	ug/L	98
107) 1,3,5-Trichlorobenzene	13.450	180	167480	9.564	ug/L	97
108) Hexachlorobutadiene	14.016	225	54188	9.749	ug/L	98
109) 1,2,4-Trichlorobenzene	14.044	180	141570	9.403	ug/L	99
110) Naphthalene	14.341	128	271452	8.659	ug/L	100
111) 1,2,3-Trichlorobenzene	14.504	180	101021	8.724	ug/L	100

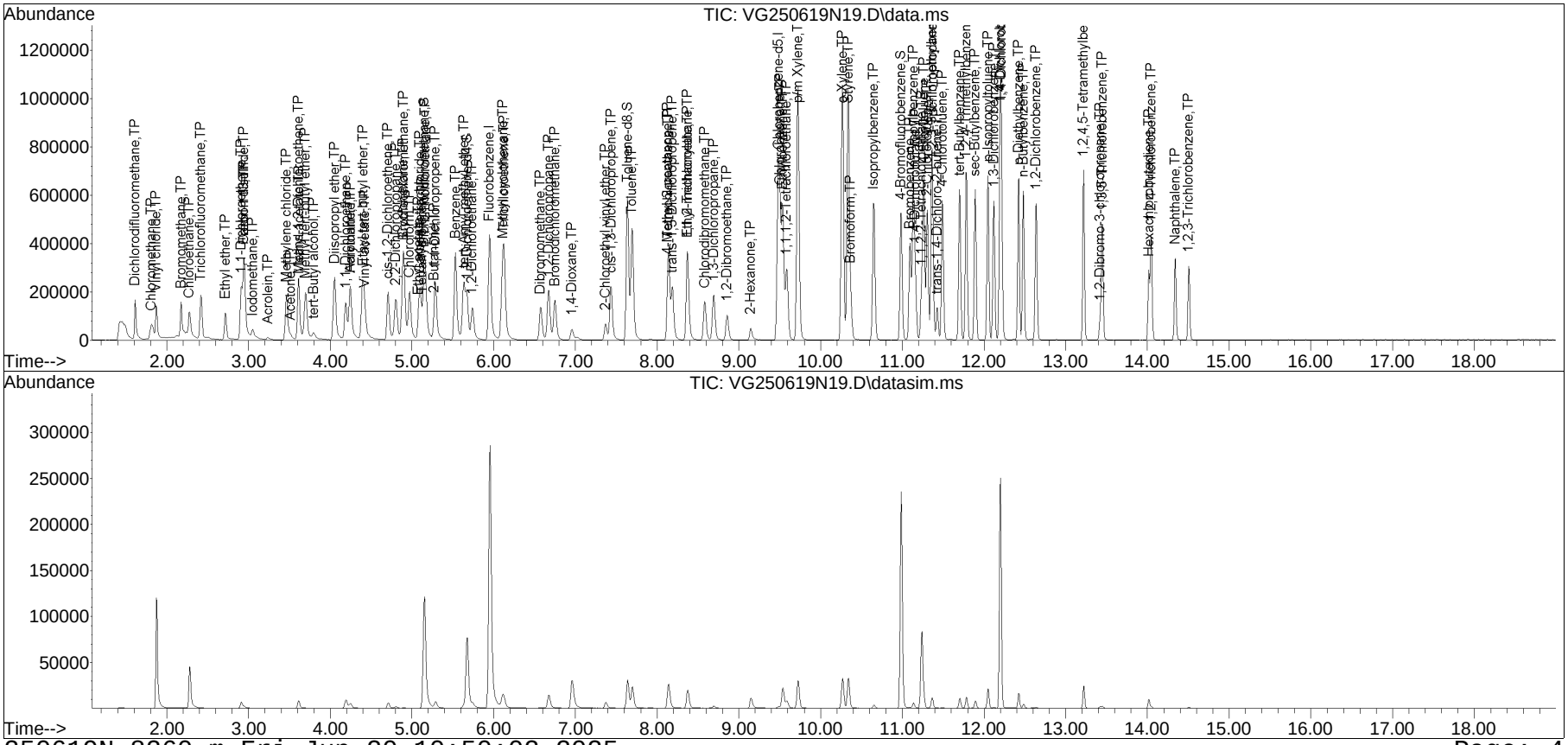
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N19.D
Acq On : 20 Jun 2025 8:14 am
Operator : GONZO:PID
Sample : C8260STD10PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 20 10:24:41 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

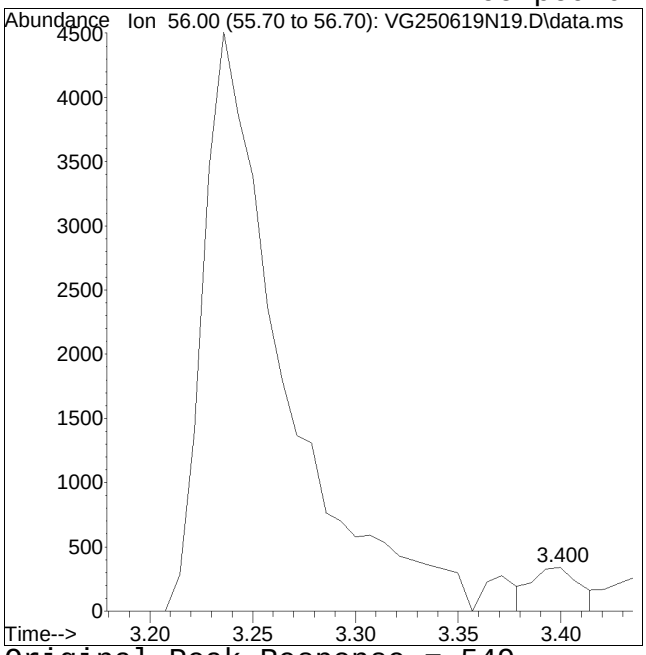
Sub List : 8260-Curve - Megamix plus DioxVG250619N10.D•



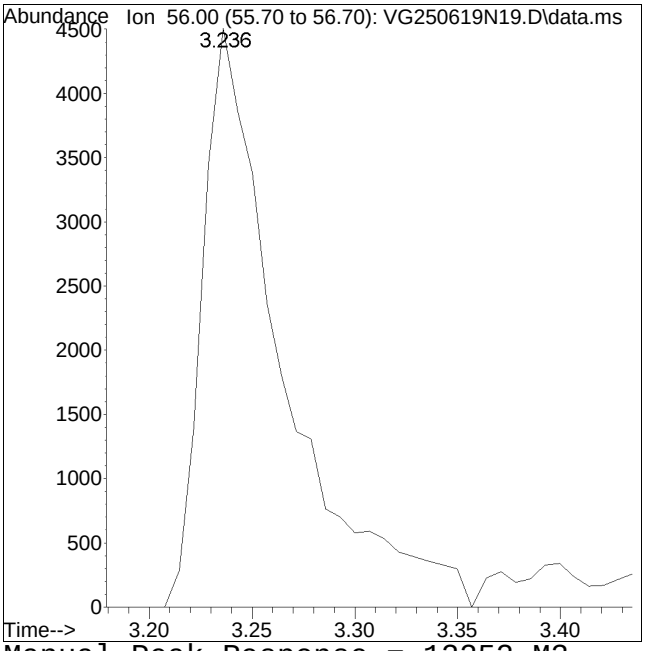
Manual Integration Report

Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N19.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 8:14 am Instrument : Gonzo
Sample : C8260STD10PPB Quant Date : 6/20/2025 10:22 am

Compound #14: Acrolein



Original Peak Response = 549



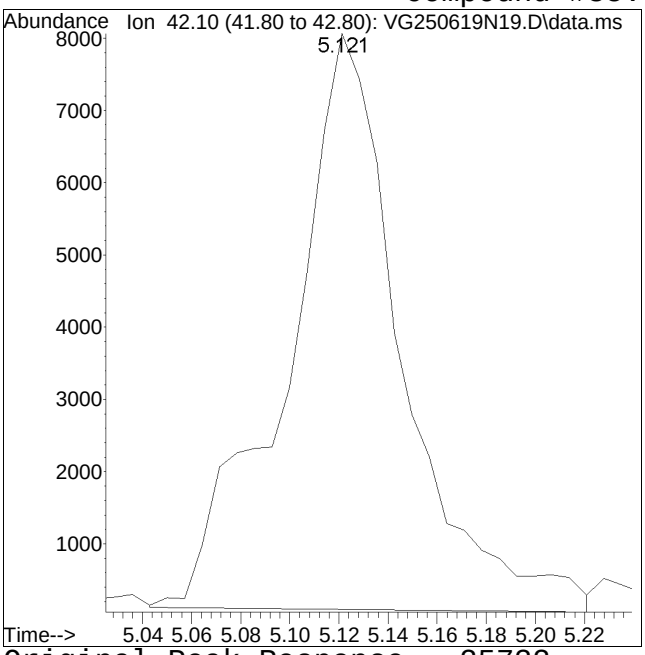
Manual Peak Response = 12252 M3

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

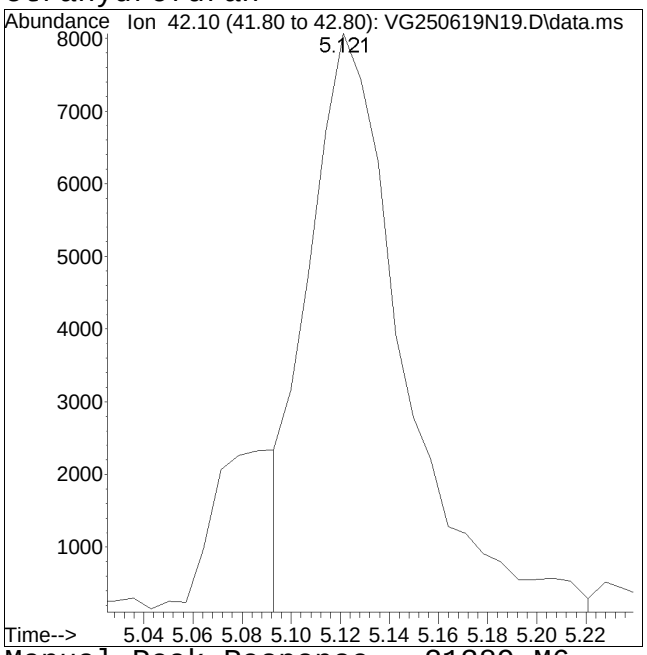
Manual Integration Report

Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N19.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 8:14 am Instrument : Gonzo
Sample : C8260STD10PPB Quant Date : 6/20/2025 10:22 am

Compound #35: Tetrahydrofuran



Original Peak Response = 25732



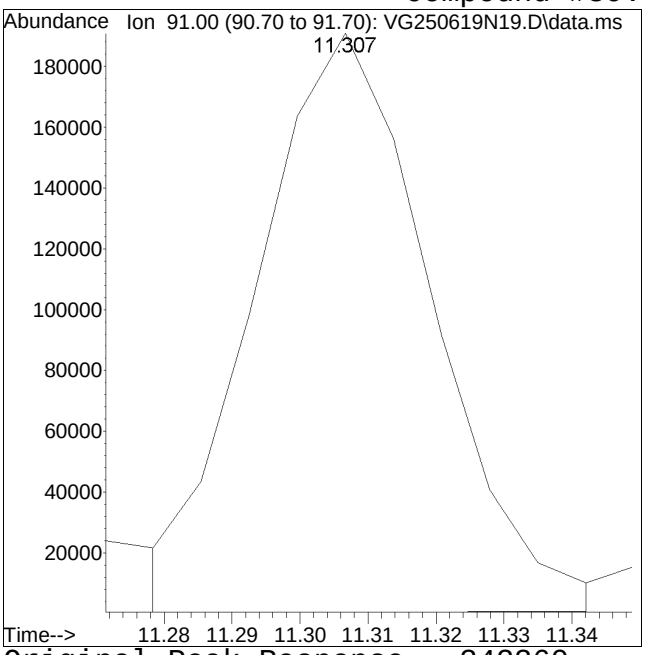
Manual Peak Response = 21389 M6

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

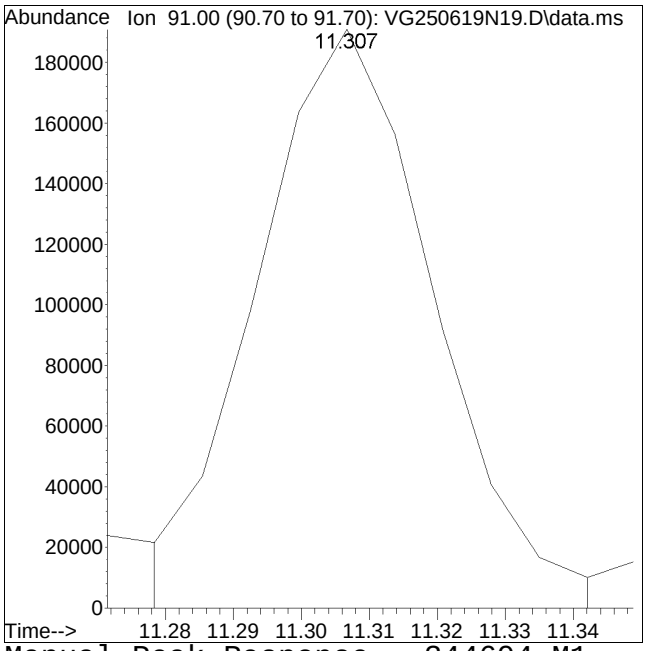
Manual Integration Report

Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N19.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 8:14 am Instrument : Gonzo
Sample : C8260STD10PPB Quant Date : 6/20/2025 10:22 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 342360



Manual Peak Response = 344604 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Relative Error Report Gonzo

Method Path : K:\Gonzo\2025\250619NICAL\
Method File : G_250619N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Jun 20 07:10:41 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
13	TP Iodomethane	L	ug/L	10.0	8.024	-19.8	2.00	2.373	18.7

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
13	TP Iodomethane	Linear	0.997429	0.000000	0.249978	-0.0289687

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2542892	
Project Name	: 20 GARDEN ST	**Project Number**	: 11672D	
Instrument ID	: GONZO	**Calibration Date**	: 07/15/25 07:15	
Lab File ID	: VG250715A01	**Init. Calib. Date(s)**	: 06/20/25	06/20/25
Sample No	: WG2091404-2	**Init. Calib. Times**	: 01:35	06:01
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	134	0
Dichlorodifluoromethane	0.219	0.218	-	0.5	20	131	0
Chloromethane	0.205	0.237	-	-15.6	20	159	0
Vinyl chloride	0.225	0.261	-	-16	20	150	0
Bromomethane	0.154	0.097	-	37*	20	96	0
Chloroethane	0.153	0.145	-	5.2	20	127	0
Trichlorofluoromethane	0.301	0.31	-	-3	20	135	0
Ethyl ether	0.109	0.104	-	4.6	20	131	0
1,1-Dichloroethene	0.181	0.178	-	1.7	20	132	0
Carbon disulfide	0.549	0.604	-	-10	20	149	0
Freon-113	0.181	0.191	-	-5.5	20	140	0
Iodomethane	10	1.941	-	80.6*	20	15	0
Acrolein	0.029	0.031	-	-6.9	20	140	0
Methylene chloride	0.22	0.223	-	-1.4	20	147	0
Acetone	0.043	0.037	-	14	20	128	0
trans-1,2-Dichloroethene	0.196	0.204	-	-4.1	20	138	0
Methyl acetate	0.101	0.088	-	12.9	20	122	0
Methyl tert-butyl ether	0.572	0.479	-	16.3	20	113	0
tert-Butyl alcohol	0.017	0.011	-	35.3*	20	85	-.01
Diisopropyl ether	0.58	0.671	-	-15.7	20	154	0
1,1-Dichloroethane	0.347	0.405	-	-16.7	20	153	0
Halothane	0.164	0.16	-	2.4	20	130	0
Acrylonitrile	0.055	0.052	-	5.5	20	131	0
Ethyl tert-butyl ether	0.597	0.552	-	7.5	20	124	0
Vinyl acetate	0.37	0.367	-	0.8	20	142	0
cis-1,2-Dichloroethene	0.228	0.231	-	-1.3	20	134	0
2,2-Dichloropropane	0.29	0.298	-	-2.8	20	138	0
Bromochloromethane	0.107	0.104	-	2.8	20	128	0
Cyclohexane	0.303	0.349	-	-15.2	20	157	0
Chloroform	0.357	0.374	-	-4.8	20	142	0
Ethyl acetate	0.152	0.137	-	9.9	20	120	0
Carbon tetrachloride	0.285	0.273	-	4.2	20	124	0
Tetrahydrofuran	0.049	0.047	-	4.1	20	139	0
Dibromofluoromethane	0.26	0.255	-	1.9	20	132	0
1,1,1-Trichloroethane	0.312	0.318	-	-1.9	20	136	0
2-Butanone	0.065	0.05	-	23.1*	20	121	0
1,1-Dichloropropene	0.248	0.258	-	-4	20	139	0
Benzene	0.78	0.845	-	-8.3	20	143	0
tert-Amyl methyl ether	0.569	0.458	-	19.5	20	110	0
1,2-Dichloroethane-d4	0.266	0.292	-	-9.8	20	144	0
1,2-Dichloroethane	0.256	0.266	-	-3.9	20	143	0
Methyl cyclohexane	0.28	0.28	-	0	20	135	0
Trichloroethene	0.214	0.224	-	-4.7	20	139	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Soils Engineering Services, Inc.	Lab Number	: L2542892		
Project Name	: 20 GARDEN ST	Project Number	: 11672D		
Instrument ID	: GONZO	Calibration Date	: 07/15/25 07:15		
Lab File ID	: VG250715A01	Init. Calib. Date(s)	: 06/20/25	06/20/25	
Sample No	: WG2091404-2	Init. Calib. Times	: 01:35	06:01	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibromomethane	0.129	0.117	-	9.3	20	123	0
1,2-Dichloropropane	0.2	0.229	-	-14.5	20	151	0
Bromodichloromethane	0.283	0.286*	-	-1.1	20	135	0
1,4-Dioxane	0.00205	0.00144*	-	29.8*	20	96	0
cis-1,3-Dichloropropene	0.332	0.326	-	1.8	20	132	0
Chlorobenzene-d5	1	1	-	0	20	130	0
Toluene-d8	1.242	1.267	-	-2	20	133	0
Toluene	0.64	0.681	-	-6.4	20	138	0
4-Methyl-2-pentanone	0.078	0.065	-	16.7	20	108	0
Tetrachloroethene	0.296	0.28	-	5.4	20	118	0
trans-1,3-Dichloropropene	0.369	0.349	-	5.4	20	123	0
Ethyl methacrylate	0.299	0.241	-	19.4	20	107	0
1,1,2-Trichloroethane	0.19	0.185*	-	2.6	20	131	0
Chlorodibromomethane	0.304	0.263	-	13.5	20	116	0
1,3-Dichloropropane	0.37	0.371	-	-0.3	20	130	0
1,2-Dibromoethane	0.241	0.214	-	11.2	20	115	0
2-Hexanone	0.13	0.106	-	18.5	20	106	0
Chlorobenzene	0.758	0.775	-	-2.2	20	132	0
Ethylbenzene	1.226	1.278	-	-4.2	20	135	0
1,1,1,2-Tetrachloroethane	0.292	0.271	-	7.2	20	122	0
p/m Xylene	0.488	0.484	-	0.8	20	127	0
o Xylene	0.49	0.481	-	1.8	20	127	0
Styrene	0.84	0.842	-	-0.2	20	131	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	122	0
Bromoform	0.376	0.295	-	21.5*	20	100	0
Isopropylbenzene	2.036	2.142	-	-5.2	20	127	0
4-Bromofluorobenzene	0.825	0.867	-	-5.1	20	128	0
Bromobenzene	0.623	0.618	-	0.8	20	119	0
n-Propylbenzene	2.328	2.626	-	-12.8	20	136	0
1,4-Dichlorobutane	0.666	0.765	-	-14.9	20	145	0
1,1,2,2-Tetrachloroethane	0.527	0.502	-	4.7	20	122	0
4-Ethyltoluene	2.009	2.178	-	-8.4	20	131	0
2-Chlorotoluene	1.463	1.682	-	-15	20	140	0
1,3,5-Trimethylbenzene	1.751	1.869	-	-6.7	20	130	0
1,2,3-Trichloropropane	0.4	0.38	-	5	20	117	0
trans-1,4-Dichloro-2-buten	0.147	0.13	-	11.6	20	121	0
4-Chlorotoluene	1.539	1.76	-	-14.4	20	138	0
tert-Butylbenzene	1.454	1.487	-	-2.3	20	123	0
1,2,4-Trimethylbenzene	1.747	1.86	-	-6.5	20	130	0
sec-Butylbenzene	1.983	2.104	-	-6.1	20	128	0
p-Isopropyltoluene	1.783	1.832	-	-2.7	20	124	0
1,3-Dichlorobenzene	1.131	1.157	-	-2.3	20	125	0
1,4-Dichlorobenzene	1.161	1.189	-	-2.4	20	124	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2542892		
Project Name	: 20 GARDEN ST	**Project Number**	: 11672D		
Instrument ID	: GONZO	**Calibration Date**	: 07/15/25 07:15		
Lab File ID	: VG250715A01	**Init. Calib. Date(s)**	: 06/20/25	06/20/25	
Sample No	: WG2091404-2	**Init. Calib. Times**	: 01:35	06:01	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.055	1.071	-	-1.5	20	124	0
n-Butylbenzene	1.371	1.533	-	-11.8	20	137	0
1,2-Dichlorobenzene	1.08	1.081	-	-0.1	20	121	0
1,2,4,5-Tetramethylbenzene	1.597	1.483	-	7.1	20	113	0
1,2-Dibromo-3-chloropropan	0.096	0.067	-	30.2*	20	85	0
1,3,5-Trichlorobenzene	0.711	0.666	-	6.3	20	110	0
Hexachlorobutadiene	0.226	0.192	-	15	20	103	0
1,2,4-Trichlorobenzene	0.612	0.499	-	18.5	20	96	0
Naphthalene	1.273	0.849	-	33.3*	20	81	0
1,2,3-Trichlorobenzene	0.47	0.345*	-	26.6*	20	87	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A01.D
Acq On : 15 Jul 2025 7:15 am
Operator : GONZO:PID
Sample : WG2091404-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 15 08:18:52 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	134	0.00
2	TP	Dichlorodifluoromethane	0.219	0.218	0.5	131	0.00
3	TP	Chloromethane	0.205	0.237	-15.6	159	0.00
4	TP	Vinyl chloride	0.225	0.261	-16.0	150	0.00
5	TP	Bromomethane	0.154	0.097	37.0#	96	0.00
6	TP	Chloroethane	0.153	0.145	5.2	127	0.00
7	TP	Trichlorofluoromethane	0.301	0.310	-3.0	135	0.00
8	TP	Ethyl ether	0.109	0.104	4.6	131	0.00
10	TP	1,1-Dichloroethene	0.181	0.178	1.7	132	0.00
11	TP	Carbon disulfide	0.549	0.604	-10.0	149	0.00
12	TP	Freon-113	0.181	0.191	-5.5	140	0.00
13	TP	Iodomethane	* 10.000	1.941	80.6#	15#	0.00
14	TP	Acrolein	0.029	0.031	-6.9	140	0.00
15	TP	Methylene chloride	0.220	0.223	-1.4	147	0.00
17	TP	Acetone	0.043	0.037	14.0	128	0.00
18	TP	trans-1,2-Dichloroethene	0.196	0.204	-4.1	138	0.00
19	TP	Methyl acetate	0.101	0.088	12.9	122	0.00
20	TP	Methyl tert-butyl ether	0.572	0.479	16.3	113	0.00
21	TP	tert-Butyl alcohol	0.017	0.011	35.3#	85	-0.01
22	TP	Diisopropyl ether	0.580	0.671	-15.7	154	0.00
23	TP	1,1-Dichloroethane	0.347	0.405	-16.7	153	0.00
24	TP	Halothane	0.164	0.160	2.4	130	0.00
25	TP	Acrylonitrile	0.055	0.052	5.5	131	0.00
26	TP	Ethyl tert-butyl ether	0.597	0.552	7.5	124	0.00
27	TP	Vinyl acetate	0.370	0.367	0.8	142	0.00
28	TP	cis-1,2-Dichloroethene	0.228	0.231	-1.3	134	0.00
29	TP	2,2-Dichloropropane	0.290	0.298	-2.8	138	0.00
30	TP	Bromochloromethane	0.107	0.104	2.8	128	0.00
31	TP	Cyclohexane	0.303	0.349	-15.2	157	0.00
32	TP	Chloroform	0.357	0.374	-4.8	142	0.00
33	TP	Ethyl acetate	0.152	0.137	9.9	120	0.00
34	TP	Carbon tetrachloride	0.285	0.273	4.2	124	0.00
35	TP	Tetrahydrofuran	0.049	0.047	4.1	139	0.00
36	S	Dibromofluoromethane	0.260	0.255	1.9	132	0.00
37	TP	1,1,1-Trichloroethane	0.312	0.318	-1.9	136	0.00
39	TP	2-Butanone	0.065	0.050	23.1#	121	0.00
40	TP	1,1-Dichloropropene	0.248	0.258	-4.0	139	0.00
41	TP	Benzene	0.780	0.845	-8.3	143	0.00
42	TP	tert-Amyl methyl ether	0.569	0.458	19.5	110	0.00

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A01.D
Acq On : 15 Jul 2025 7:15 am
Operator : GONZO:PID
Sample : WG2091404-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 15 08:18:52 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.266	0.292	-9.8	144	0.00
44	TP	1,2-Dichloroethane	0.256	0.266	-3.9	143	0.00
47	TP	Methyl cyclohexane	0.280	0.280	0.0	135	0.00
48	TP	Trichloroethene	0.214	0.224	-4.7	139	0.00
50	TP	Dibromomethane	0.129	0.117	9.3	123	0.00
51	TP	1,2-Dichloropropane	0.200	0.229	-14.5	151	0.00
54	TP	Bromodichloromethane	0.283	0.286#	-1.1	135	0.00
57	TP	1,4-Dioxane	0.00205	0.00144#	29.8#	96	0.00
58	TP	cis-1,3-Dichloropropene	0.332	0.326	1.8	132	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	130	0.00
60	S	Toluene-d8	1.242	1.267	-2.0	133	0.00
61	TP	Toluene	0.640	0.681	-6.4	138	0.00
62	TP	4-Methyl-2-pentanone	0.078	0.065	16.7	108	0.00
63	TP	Tetrachloroethene	0.296	0.280	5.4	118	0.00
65	TP	trans-1,3-Dichloropropene	0.369	0.349	5.4	123	0.00
67	TP	Ethyl methacrylate	0.299	0.241	19.4	107	0.00
68	TP	1,1,2-Trichloroethane	0.190	0.185#	2.6	131	0.00
69	TP	Chlorodibromomethane	0.304	0.263	13.5	116	0.00
70	TP	1,3-Dichloropropane	0.370	0.371	-0.3	130	0.00
71	TP	1,2-Dibromoethane	0.241	0.214	11.2	115	0.00
72	TP	2-Hexanone	0.130	0.106	18.5	106	0.00
73	TP	Chlorobenzene	0.758	0.775	-2.2	132	0.00
74	TP	Ethylbenzene	1.226	1.278	-4.2	135	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.292	0.271	7.2	122	0.00
76	TP	p/m Xylene	0.488	0.484	0.8	127	0.00
77	TP	o Xylene	0.490	0.481	1.8	127	0.00
78	TP	Styrene	0.840	0.842	-0.2	131	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	122	0.00
80	TP	Bromoform	0.376	0.295	21.5#	100	0.00
82	TP	Isopropylbenzene	2.036	2.142	-5.2	127	0.00
83	S	4-Bromofluorobenzene	0.825	0.867	-5.1	128	0.00
84	TP	Bromobenzene	0.623	0.618	0.8	119	0.00
85	TP	n-Propylbenzene	2.328	2.626	-12.8	136	0.00
86	TP	1,4-Dichlorobutane	0.666	0.765	-14.9	145	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.527	0.502	4.7	122	0.00
88	TP	4-Ethyltoluene	2.009	2.178	-8.4	131	0.00
89	TP	2-Chlorotoluene	1.463	1.682	-15.0	140	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A01.D
Acq On : 15 Jul 2025 7:15 am
Operator : GONZO:PID
Sample : WG2091404-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 15 08:18:52 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 TP	1,3,5-Trimethylbenzene	1.751	1.869	-6.7	130	0.00
91 TP	1,2,3-Trichloropropane	0.400	0.380	5.0	117	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.147	0.130	11.6	121	0.00
93 TP	4-Chlorotoluene	1.539	1.760	-14.4	138	0.00
94 TP	tert-Butylbenzene	1.454	1.487	-2.3	123	0.00
97 TP	1,2,4-Trimethylbenzene	1.747	1.860	-6.5	130	0.00
98 TP	sec-Butylbenzene	1.983	2.104	-6.1	128	0.00
99 TP	p-Isopropyltoluene	1.783	1.832	-2.7	124	0.00
100 TP	1,3-Dichlorobenzene	1.131	1.157	-2.3	125	0.00
101 TP	1,4-Dichlorobenzene	1.161	1.189	-2.4	124	0.00
102 TP	p-Diethylbenzene	1.055	1.071	-1.5	124	0.00
103 TP	n-Butylbenzene	1.371	1.533	-11.8	137	0.00
104 TP	1,2-Dichlorobenzene	1.080	1.081	-0.1	121	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.597	1.483	7.1	113	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.096	0.067	30.2#	85	0.00
107 TP	1,3,5-Trichlorobenzene	0.711	0.666	6.3	110	0.00
108 TP	Hexachlorobutadiene	0.226	0.192	15.0	103	0.00
109 TP	1,2,4-Trichlorobenzene	0.612	0.499	18.5	96	0.00
110 TP	Naphthalene	1.273	0.849	33.3#	81	0.00
111 TP	1,2,3-Trichlorobenzene	0.470	0.345#	26.6#	87	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 4 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A01.D
Acq On : 15 Jul 2025 7:15 am
Operator : GONZO:PID
Sample : WG2091404-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 15 08:18:52 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250715A\VG250715A01.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.949	96	741901	10.000 ug/L	0.00
Standard Area 1 = 741901			Recovery = 100.00%		
59) Chlorobenzene-d5	9.477	117	574539	10.000 ug/L	0.00
Standard Area 1 = 574539			Recovery = 100.00%		
79) 1,4-Dichlorobenzene-d4	12.198	152	311419	10.000 ug/L	0.00
Standard Area 1 = 311419			Recovery = 100.00%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.150	113	189140	9.822 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.22%		
43) 1,2-Dichloroethane-d4	5.667	65	216952	11.004 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.04%		
60) Toluene-d8	7.636	98	727700	10.197 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.97%		
83) 4-Bromofluorobenzene	10.981	95	269913	10.508 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.08%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.614	85	161459	9.931 ug/L	99
3) Chloromethane	1.813	50	176114	11.598 ug/L	99
4) Vinyl chloride	1.870	62	193993	11.612 ug/L	99
5) Bromomethane	2.176	94	72213	6.303 ug/L	99
6) Chloroethane	2.283	64	107800	9.508 ug/L	97
7) Trichlorofluoromethane	2.425	101	230087	10.302 ug/L	92
8) Ethyl ether	2.717	74	76842	9.511 ug/L #	87
10) 1,1-Dichloroethene	2.909	96	132373	9.852 ug/L	86
11) Carbon disulfide	2.944	76	448053	11.010 ug/L	99
12) Freon-113	2.944	101	141533	10.543 ug/L	90
13) Iodomethane	3.051	142	14503M1	1.941 ug/L	
14) Acrolein	3.236	56	23337	10.995 ug/L	85
15) Methylene chloride	3.464	84	165209	10.108 ug/L	88
17) Acetone	3.513	43	27274	8.588 ug/L	98
18) trans-1,2-Dichloroethene	3.613	96	151118	10.379 ug/L	90
19) Methyl acetate	3.620	43	65004	8.684 ug/L	94
20) Methyl tert-butyl ether	3.698	73	355071	8.374 ug/L #	92
21) tert-Butyl alcohol	3.791	59	39456	31.172 ug/L #	68
22) Diisopropyl ether	4.054	45	497481	11.553 ug/L	96
23) 1,1-Dichloroethane	4.189	63	300704	11.679 ug/L	98
24) Halothane	4.246	117	119041	9.776 ug/L	99

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A01.D
Acq On : 15 Jul 2025 7:15 am
Operator : GONZO:PID
Sample : WG2091404-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 15 08:18:52 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250715A\VG250715A01.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.246	53	38806	9.510	ug/L		95
26) Ethyl tert-butyl ether	4.396	59	409680	9.253	ug/L		92
27) Vinyl acetate	4.424	43	271948	9.906	ug/L	#	93
28) cis-1,2-Dichloroethene	4.709	96	171415	10.114	ug/L		86
29) 2,2-Dichloropropane	4.801	77	220786	10.249	ug/L		90
30) Bromochloromethane	4.901	128	77465	9.763	ug/L	#	79
31) Cyclohexane	4.894	56	258976	11.538	ug/L		87
32) Chloroform	4.972	83	277834	10.487	ug/L		98
33) Ethyl acetate	5.079	43	101497	9.023	ug/L		99
34) Carbon tetrachloride	5.093	117	202824	9.586	ug/L		98
35) Tetrahydrofuran	5.121	42	34743M6	9.618	ug/L		
37) 1,1,1-Trichloroethane	5.164	97	235952	10.177	ug/L		98
39) 2-Butanone	5.263	43	37427	7.785	ug/L		90
40) 1,1-Dichloropropene	5.285	75	191383	10.392	ug/L		96
41) Benzene	5.526	78	626998	10.836	ug/L		97
42) tert-Amyl methyl ether	5.632	73	339678	8.045	ug/L	#	87
44) 1,2-Dichloroethane	5.738	62	197211	10.398	ug/L		98
47) Methyl cyclohexane	6.105	83	207515	10.006	ug/L		83
48) Trichloroethene	6.126	95	166446	10.500	ug/L		95
50) Dibromomethane	6.570	93	87096	9.096	ug/L		91
51) 1,2-Dichloropropane	6.669	63	169975	11.431	ug/L		95
54) Bromodichloromethane	6.747	83	212234	10.100	ug/L		98
57) 1,4-Dioxane	6.951	88	53302	350.394	ug/L		87
58) cis-1,3-Dichloropropene	7.431	75	241524	9.816	ug/L		99
61) Toluene	7.692	92	391433	10.640	ug/L		99
62) 4-Methyl-2-pentanone	8.137	58	37091	8.263	ug/L	#	85
63) Tetrachloroethene	8.137	166	160672	9.443	ug/L		96
65) trans-1,3-Dichloropropene	8.186	75	200492	9.446	ug/L		96
67) Ethyl methacrylate	8.370	69	138706	8.070	ug/L		94
68) 1,1,2-Trichloroethane	8.370	83	106560	9.765	ug/L		96
69) Chlorodibromomethane	8.581	129	151230	8.673	ug/L		99
70) 1,3-Dichloropropane	8.687	76	212994	10.023	ug/L		100
71) 1,2-Dibromoethane	8.849	107	123003	8.871	ug/L		99
72) 2-Hexanone	9.146	43	60671	8.144	ug/L		95
73) Chlorobenzene	9.499	112	445201	10.216	ug/L		97
74) Ethylbenzene	9.534	91	734493	10.428	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.583	131	155794	9.298	ug/L		98
76) p/m Xylene	9.717	106	556376	19.836	ug/L		90
77) o Xylene	10.268	106	552573	19.648	ug/L		94
78) Styrene	10.331	104	967206	20.043	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A01.D
Acq On : 15 Jul 2025 7:15 am
Operator : GONZO:PID
Sample : WG2091404-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 15 08:18:52 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250715A\VG250715A01.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	10.366	173	91957	7.856	ug/L		98
82) Isopropylbenzene	10.649	105	667153	10.522	ug/L		98
84) Bromobenzene	11.094	156	192596	9.924	ug/L		99
85) n-Propylbenzene	11.130	91	817796	11.279	ug/L		97
86) 1,4-Dichlorobutane	11.158	55	238112	11.489	ug/L		96
87) 1,1,2,2-Tetrachloroethane	11.236	83	156261	9.527	ug/L		99
88) 4-Ethyltoluene	11.257	105	678315	10.842	ug/L		98
89) 2-Chlorotoluene	11.307	91	523789M1	11.495	ug/L		
90) 1,3,5-Trimethylbenzene	11.356	105	582059	10.677	ug/L		99
91) 1,2,3-Trichloropropane	11.370	75	118328	9.492	ug/L		96
92) trans-1,4-Dichloro-2-b...	11.427	53	40565	8.865	ug/L	#	81
93) 4-Chlorotoluene	11.491	91	548233	11.439	ug/L		94
94) tert-Butylbenzene	11.703	119	463031	10.228	ug/L		97
97) 1,2,4-Trimethylbenzene	11.781	105	579315	10.647	ug/L		98
98) sec-Butylbenzene	11.887	105	655097	10.610	ug/L		97
99) p-Isopropyltoluene	12.049	119	570492	10.273	ug/L		98
100) 1,3-Dichlorobenzene	12.120	146	360202	10.226	ug/L		98
101) 1,4-Dichlorobenzene	12.212	146	370221	10.236	ug/L		98
102) p-Diethylbenzene	12.417	119	333500	10.154	ug/L		98
103) n-Butylbenzene	12.481	91	477341	11.182	ug/L		97
104) 1,2-Dichlorobenzene	12.636	146	336683	10.008	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.216	119	461712	9.285	ug/L		97
106) 1,2-Dibromo-3-chloropr...	13.422	155	20957	7.010	ug/L		99
107) 1,3,5-Trichlorobenzene	13.443	180	207298	9.359	ug/L		98
108) Hexachlorobutadiene	14.016	225	59696	8.491	ug/L		100
109) 1,2,4-Trichlorobenzene	14.044	180	155517	8.166	ug/L		98
110) Naphthalene	14.334	128	264244	6.664	ug/L		100
111) 1,2,3-Trichlorobenzene	14.504	180	107559	7.344	ug/L		98

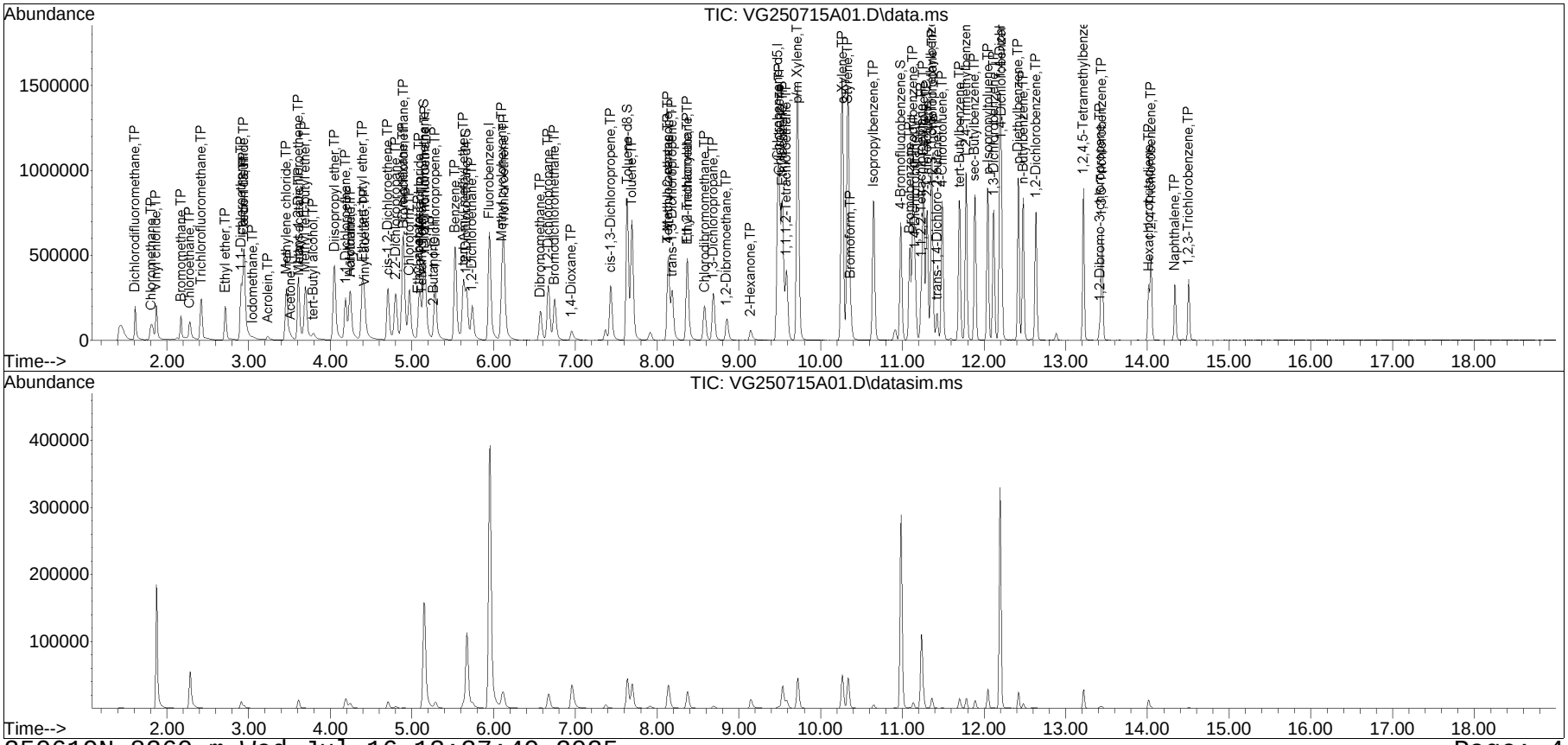
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A01.D
Acq On : 15 Jul 2025 7:15 am
Operator : GONZO:PID
Sample : WG2091404-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 15 08:18:52 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

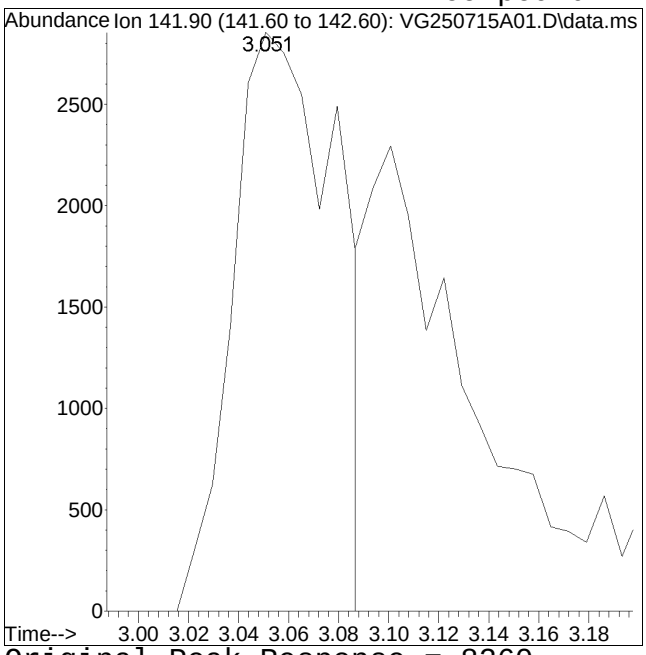
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE.D•



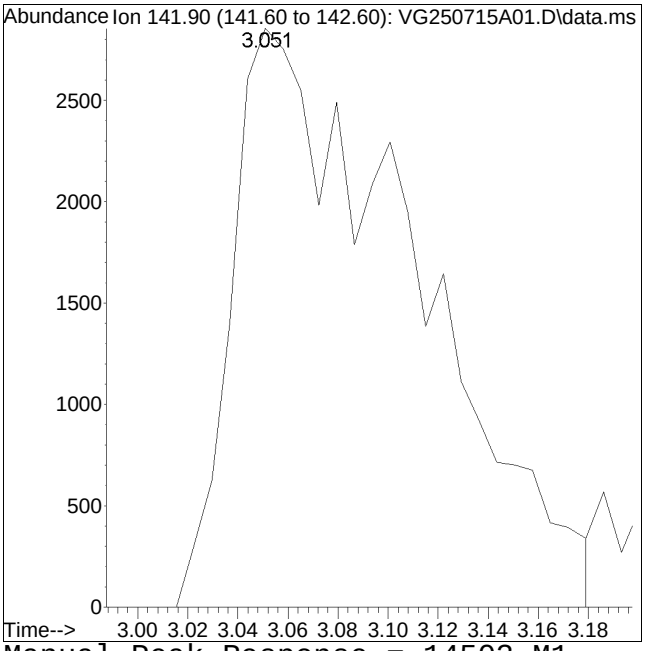
Manual Integration Report

Data Path	: K:\Gonzo\2025\250715A\	QMethod	: G_250619N_8260.m
Data File	: VG250715A01.D	Operator	: GONZO:PID
Date Inj'd	: 7/15/2025 7:15 am	Instrument	: Gonzo
Sample	: WG2091404-2	Quant Date	: 7/15/2025 8:18 am

Compound #13: Iodomethane



Original Peak Response = 8260



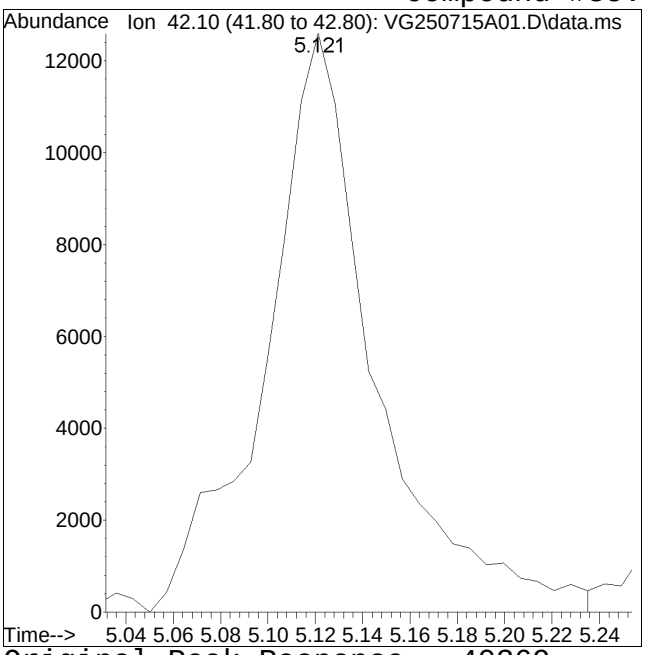
Manual Peak Response = 14503 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

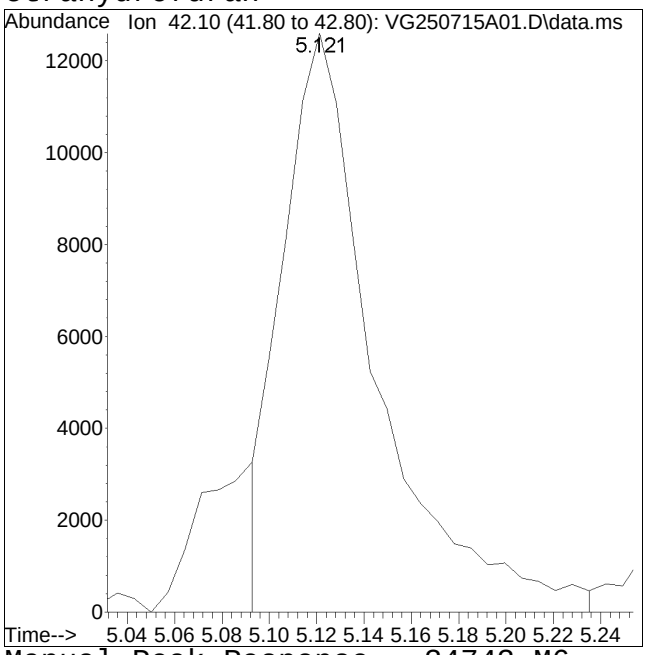
Manual Integration Report

Data Path	: K:\Gonzo\2025\250715A\	QMethod	: G_250619N_8260.m
Data File	: VG250715A01.D	Operator	: GONZO:PID
Date Inj'd	: 7/15/2025 7:15 am	Instrument	: Gonzo
Sample	: WG2091404-2	Quant Date	: 7/15/2025 8:18 am

Compound #35: Tetrahydrofuran



Original Peak Response = 40369



Manual Peak Response = 34743 M6

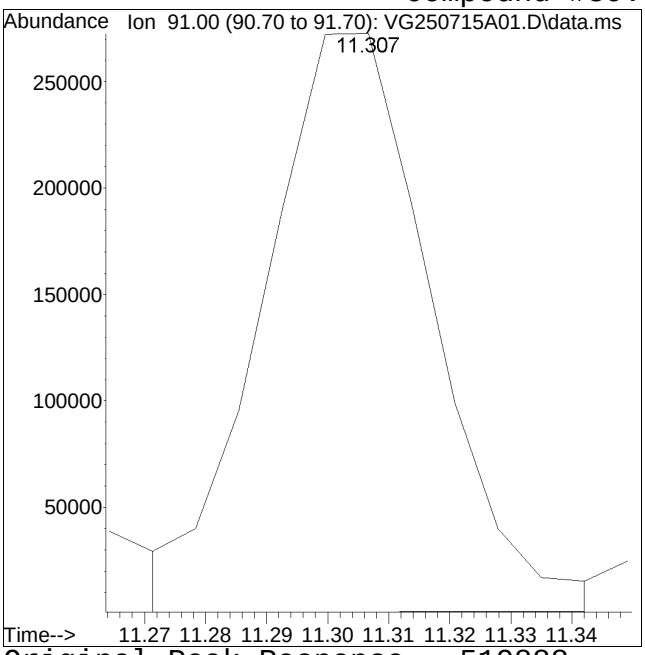
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

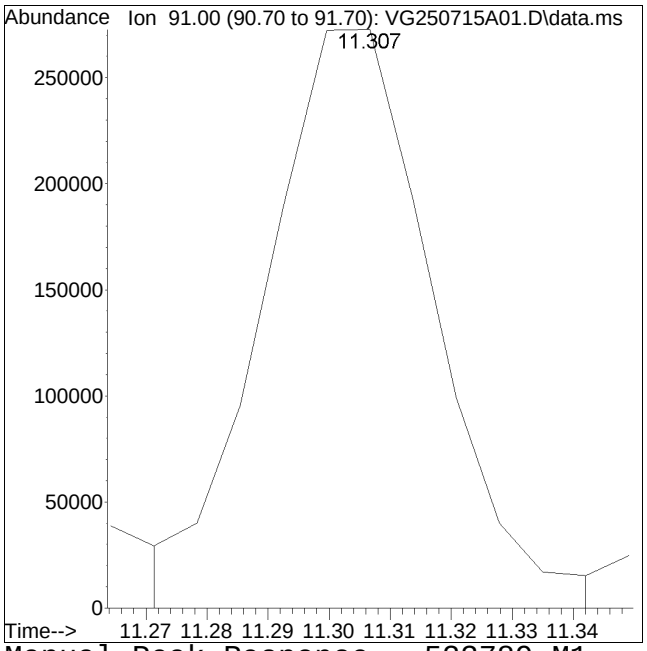
Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A01.D
Date Inj'd : 7/15/2025 7:15 am
Sample : WG2091404-2

QMethod : G_250619N_8260.m
Operator : GONZO:PID
Instrument : Gonzo
Quant Date : 7/15/2025 8:18 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 519888



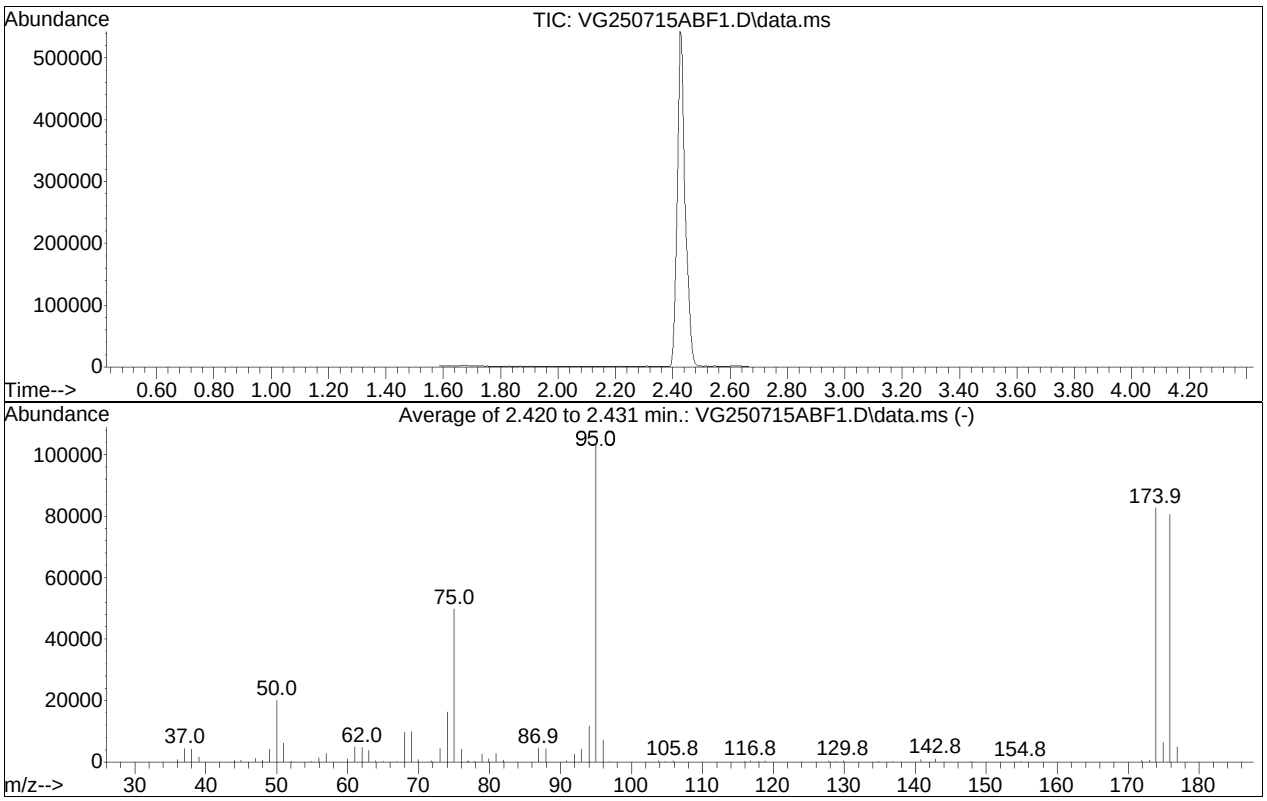
Manual Peak Response = 523789 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715ABF1.D
Acq On : 15 Jul 2025 7:02 am
Operator : GONZO:PID
Sample : WG2091404-1
Misc : WG2091404
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Jun 20 07:10:41 2025



AutoFind: Scans 160, 161, 162; Background Corrected with Scan 152

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.3	20096	PASS
75	95	30	60	48.0	49880	PASS
95	95	100	100	100.0	103907	PASS
96	95	5	9	6.9	7189	PASS
173	174	0.00	2	0.8	702	PASS
174	95	50	100	79.7	82816	PASS
175	174	5	9	7.6	6301	PASS
176	174	95	101	97.4	80637	PASS
177	176	5	9	6.2	5026	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A07.D
Acq On : 15 Jul 2025 9:54 am
Operator : GONZO:PID
Sample : WG2091404-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 15 10:17:11 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250715A\VG250715A01.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.957	96	667674	10.000 ug/L	0.00
Standard Area 1 = 741901			Recovery = 90.00%		
59) Chlorobenzene-d5	9.484	117	501151	10.000 ug/L	0.00
Standard Area 1 = 574539			Recovery = 87.23%		
79) 1,4-Dichlorobenzene-d4	12.198	152	255034	10.000 ug/L	0.00
Standard Area 1 = 311419			Recovery = 81.89%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.157	113	169195	9.763 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.63%		
43) 1,2-Dichloroethane-d4	5.674	65	190798	10.753 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.53%		
60) Toluene-d8	7.643	98	620222	9.963 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.63%		
83) 4-Bromofluorobenzene	10.988	95	224246	10.661 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.61%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.820	50	147	N.D.	
4) Vinyl chloride	1.870	62	87	N.D.	
5) Bromomethane	2.183	94	1498	0.145 ug/L	95
6) Chloroethane	2.247	64	80	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.944	76	1559	N.D.	
15) Methylene chloride	3.464	84	340	N.D.	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	3.613	96	161	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
25) Acrylonitrile	0.000		0	N.D.	
27) Vinyl acetate	4.438	43	69	N.D.	
28) cis-1,2-Dichloroethene	4.716	96	175	N.D.	
29) 2,2-Dichloropropane	0.000		0	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
32) Chloroform	0.000		0	N.D.	

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A07.D
Acq On : 15 Jul 2025 9:54 am
Operator : GONZO:PID
Sample : WG2091404-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 15 10:17:11 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250715A\VG250715A01.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	5.313	43	71		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	0.000		0		N.D.	
44) 1,2-Dichloroethane	5.745	62	76		N.D.	
48) Trichloroethene	6.126	95	339		N.D.	
50) Dibromomethane	0.000		0		N.D.	
51) 1,2-Dichloropropane	6.641	63	67		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	7.622	75	71		N.D.	
61) Toluene	7.685	92	76		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
70) 1,3-Dichloropropane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	
73) Chlorobenzene	9.513	112	88		N.D.	
74) Ethylbenzene	9.484	91	992		N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76) p/m Xylene	0.000		0		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	10.444	104	64		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	10.741	105	64		N.D.	
84) Bromobenzene	0.000		0		N.D.	
85) n-Propylbenzene	10.988	91	758		N.D.	
87) 1,1,2,2-Tetrachloroethane	11.413	83	75		N.D.	
88) 4-Ethyltoluene	11.285	105	78		N.D.	
89) 2-Chlorotoluene	0.000		0		N.D.	
90) 1,3,5-Trimethylbenzene	11.285	105	78		N.D.	
91) 1,2,3-Trichloropropane	11.512	75	144		N.D.	
92) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
93) 4-Chlorotoluene	11.568	91	83		N.D.	
94) tert-Butylbenzene	11.462	119	105		N.D.	

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A07.D
Acq On : 15 Jul 2025 9:54 am
Operator : GONZO:PID
Sample : WG2091404-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 15 10:17:11 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250715A\VG250715A01.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	11.908	105	74	N.D.		
98) sec-Butylbenzene	11.908	105	74	N.D.		
99) p-Isopropyltoluene	12.064	119	161	N.D.		
100) 1,3-Dichlorobenzene	12.212	146	382	N.D.		
101) 1,4-Dichlorobenzene	12.212	146	382	N.D.		
102) p-Diethylbenzene	12.431	119	68	N.D.		
103) n-Butylbenzene	12.523	91	160	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
105) 1,2,4,5-Tetramethylben...	13.245	119	169	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
108) Hexachlorobutadiene	14.030	225	199	N.D.		
109) 1,2,4-Trichlorobenzene	14.277	180	85	N.D.		
110) Naphthalene	14.377	128	73	N.D.		
111) 1,2,3-Trichlorobenzene	14.525	180	129	N.D.		

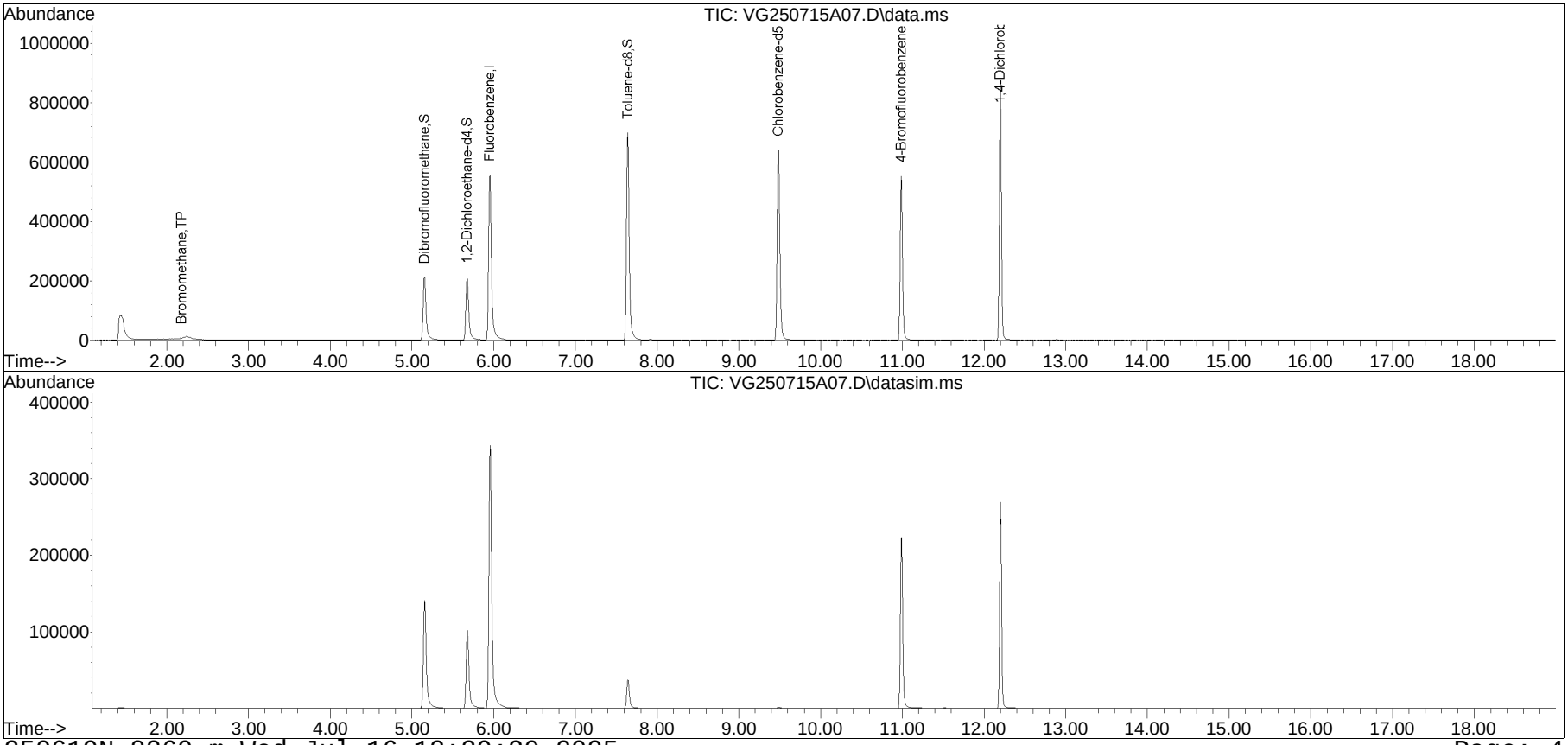
(#) = qualifier out of range (m) = manual integration (+) = signals summed

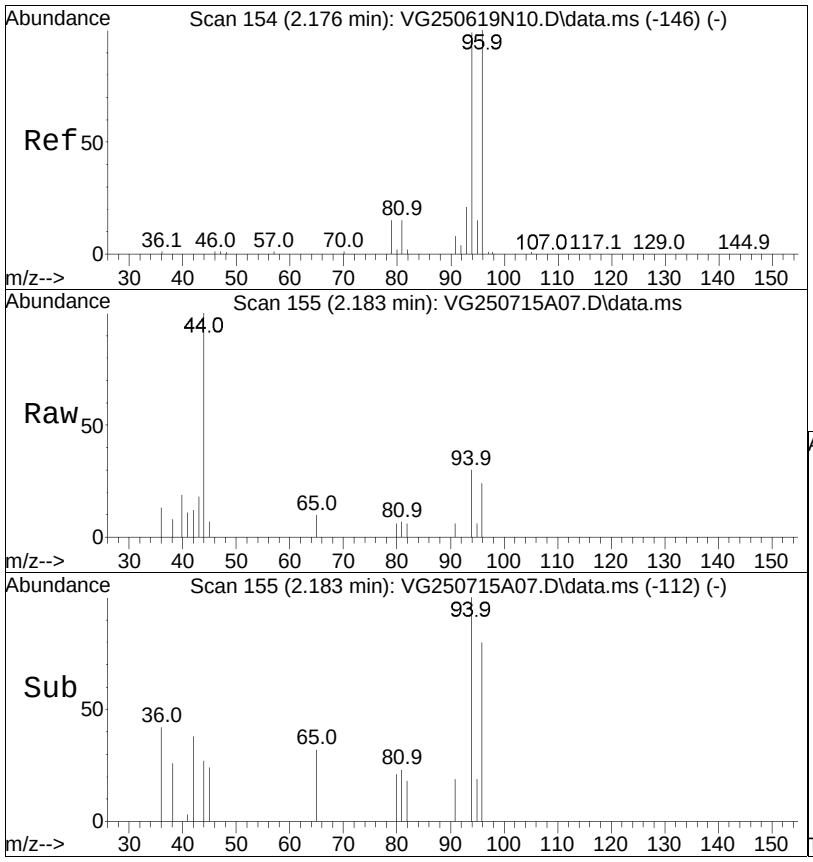
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A07.D
Acq On : 15 Jul 2025 9:54 am
Operator : GONZO:PID
Sample : WG2091404-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 15 10:17:11 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE.D•

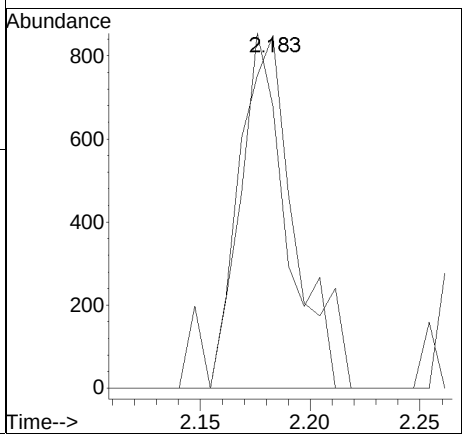




#5
Bromomethane
Concen: 0.15 ug/L
RT: 2.183 min Scan# 155
Delta R.T. 0.007 min
Lab File: VG250715A07.D
Acq: 15 Jul 2025 9:54 am

Tgt Ion: 94 Resp: 1498

Ion	Ratio	Lower	Upper
94	100		
96	90.5	75.8	115.8



Manual Integration Report

Data Path	: K:\Gonzo\2025\250715A\	QMethod	: G_250619N_8260.m
Data File	: VG250715A07.D	Operator	: GONZO:PID
Date Inj'd	: 7/15/2025 9:54 am	Instrument	: Gonzo
Sample	: WG2091404-5,31,10,10	Quant Date	: 7/15/2025 10:16 am

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

LSC Area Percent Report

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A07.D
Acq On : 15 Jul 2025 9:54 am
Operator : GONZO:PID
Sample : WG2091404-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VG250715A07.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.157	562	573	606	rVB	209793	546630	33.41%	6.698%
2	5.674	639	646	676	rBV	211767	537177	32.83%	6.582%
3	5.957	676	686	720	rVV	554451	1394322	85.22%	17.085%
4	7.643	913	925	949	rBV	697529	1636050	100.00%	20.046%
5	9.484	1178	1186	1208	rBV	641044	1474664	90.14%	18.069%
6	10.988	1393	1399	1425	rBV	551315	1076916	65.82%	13.195%
7	12.198	1562	1570	1592	rBV	883648	1495519	91.41%	18.325%

Sum of corrected areas: 8161278

Signal : TIC: VG250715A07.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

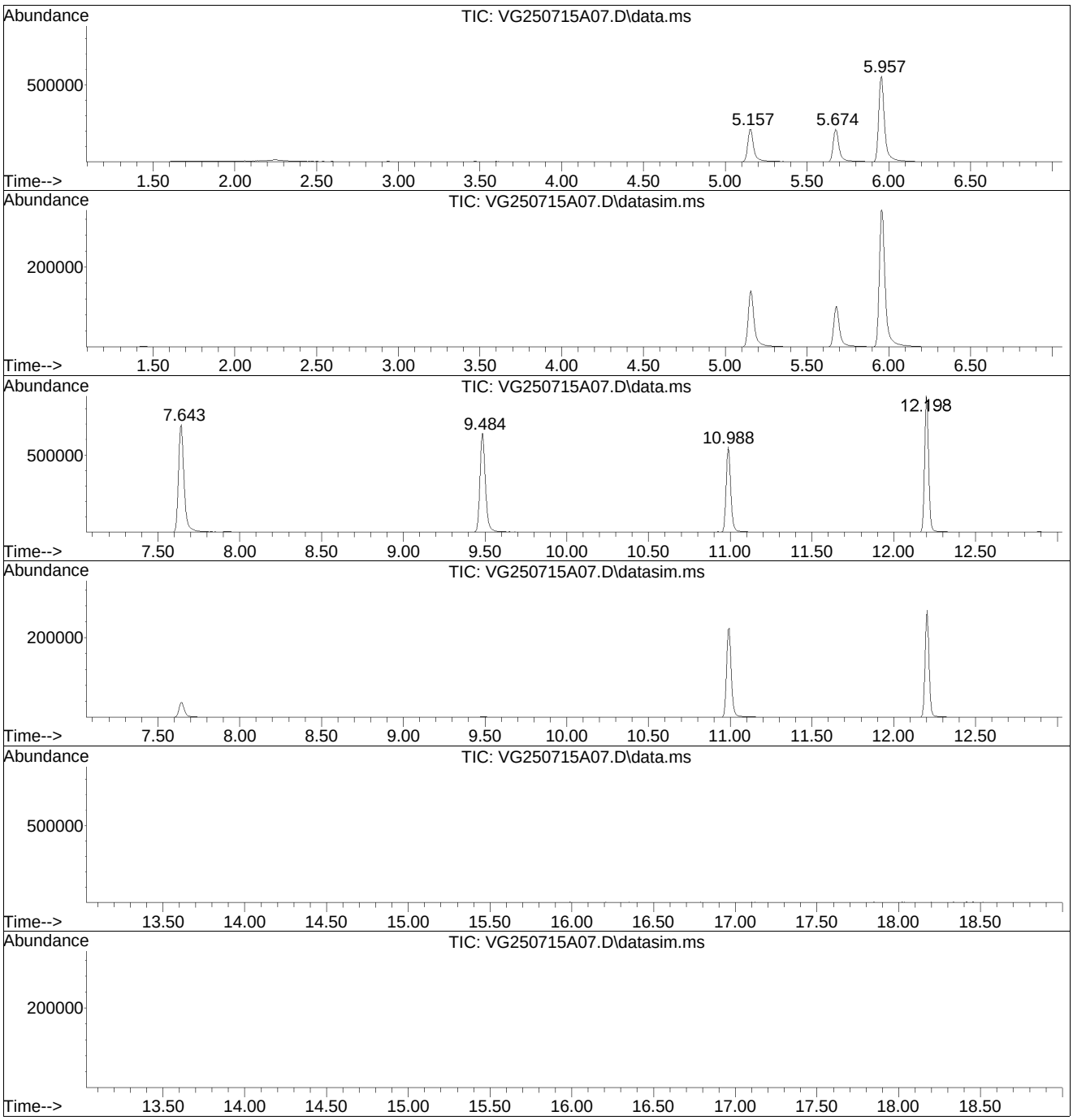
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A07.D
Acq On : 15 Jul 2025 9:54 am
Operator : GONZO:PID
Sample : WG2091404-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A07.D
Acq On : 15 Jul 2025 9:54 am
Operator : GONZO:PID
Sample : WG2091404-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A07.D
Acq On : 15 Jul 2025 9:54 am
Operator : GONZO:PID
Sample : WG2091404-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A01.D
Acq On : 15 Jul 2025 7:15 am
Operator : GONZO:PID
Sample : WG2091404-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 15 08:18:52 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250715A\VG250715A01.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.949	96	741901	10.000 ug/L	0.00
Standard Area 1 = 741901			Recovery = 100.00%		
59) Chlorobenzene-d5	9.477	117	574539	10.000 ug/L	0.00
Standard Area 1 = 574539			Recovery = 100.00%		
79) 1,4-Dichlorobenzene-d4	12.198	152	311419	10.000 ug/L	0.00
Standard Area 1 = 311419			Recovery = 100.00%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.150	113	189140	9.822 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.22%		
43) 1,2-Dichloroethane-d4	5.667	65	216952	11.004 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.04%		
60) Toluene-d8	7.636	98	727700	10.197 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.97%		
83) 4-Bromofluorobenzene	10.981	95	269913	10.508 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.08%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.614	85	161459	9.931 ug/L	99
3) Chloromethane	1.813	50	176114	11.598 ug/L	99
4) Vinyl chloride	1.870	62	193993	11.612 ug/L	99
5) Bromomethane	2.176	94	72213	6.303 ug/L	99
6) Chloroethane	2.283	64	107800	9.508 ug/L	97
7) Trichlorofluoromethane	2.425	101	230087	10.302 ug/L	92
8) Ethyl ether	2.717	74	76842	9.511 ug/L #	87
10) 1,1-Dichloroethene	2.909	96	132373	9.852 ug/L	86
11) Carbon disulfide	2.944	76	448053	11.010 ug/L	99
15) Methylene chloride	3.464	84	165209	10.108 ug/L	88
17) Acetone	3.513	43	27274	8.588 ug/L	98
18) trans-1,2-Dichloroethene	3.613	96	151118	10.379 ug/L	90
20) Methyl tert-butyl ether	3.698	73	355071	8.374 ug/L #	92
23) 1,1-Dichloroethane	4.189	63	300704	11.679 ug/L	98
25) Acrylonitrile	4.246	53	38806	9.510 ug/L	95
27) Vinyl acetate	4.424	43	271948	9.906 ug/L #	93
28) cis-1,2-Dichloroethene	4.709	96	171415	10.114 ug/L	86
29) 2,2-Dichloropropane	4.801	77	220786	10.249 ug/L	90
30) Bromochloromethane	4.901	128	77465	9.763 ug/L #	79
32) Chloroform	4.972	83	277834	10.487 ug/L	98

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A01.D
Acq On : 15 Jul 2025 7:15 am
Operator : GONZO:PID
Sample : WG2091404-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 15 08:18:52 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250715A\VG250715A01.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	5.093	117	202824	9.586	ug/L		98
37) 1,1,1-Trichloroethane	5.164	97	235952	10.177	ug/L		98
39) 2-Butanone	5.263	43	37427	7.785	ug/L		90
40) 1,1-Dichloropropene	5.285	75	191383	10.392	ug/L		96
41) Benzene	5.526	78	626998	10.836	ug/L		97
44) 1,2-Dichloroethane	5.738	62	197211	10.398	ug/L		98
48) Trichloroethene	6.126	95	166446	10.500	ug/L		95
50) Dibromomethane	6.570	93	87096	9.096	ug/L		91
51) 1,2-Dichloropropane	6.669	63	169975	11.431	ug/L		95
54) Bromodichloromethane	6.747	83	212234	10.100	ug/L		98
57) 1,4-Dioxane	6.951	88	53302	350.394	ug/L		87
58) cis-1,3-Dichloropropene	7.431	75	241524	9.816	ug/L		99
61) Toluene	7.692	92	391433	10.640	ug/L		99
62) 4-Methyl-2-pentanone	8.137	58	37091	8.263	ug/L	#	85
63) Tetrachloroethene	8.137	166	160672	9.443	ug/L		96
65) trans-1,3-Dichloropropene	8.186	75	200492	9.446	ug/L		96
68) 1,1,2-Trichloroethane	8.370	83	106560	9.765	ug/L		96
69) Chlorodibromomethane	8.581	129	151230	8.673	ug/L		99
70) 1,3-Dichloropropane	8.687	76	212994	10.023	ug/L		100
71) 1,2-Dibromoethane	8.849	107	123003	8.871	ug/L		99
72) 2-Hexanone	9.146	43	60671	8.144	ug/L		95
73) Chlorobenzene	9.499	112	445201	10.216	ug/L		97
74) Ethylbenzene	9.534	91	734493	10.428	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.583	131	155794	9.298	ug/L		98
76) p/m Xylene	9.717	106	556376	19.836	ug/L		90
77) o Xylene	10.268	106	552573	19.648	ug/L		94
78) Styrene	10.331	104	967206	20.043	ug/L		99
80) Bromoform	10.366	173	91957	7.856	ug/L		98
82) Isopropylbenzene	10.649	105	667153	10.522	ug/L		98
84) Bromobenzene	11.094	156	192596	9.924	ug/L		99
85) n-Propylbenzene	11.130	91	817796	11.279	ug/L		97
87) 1,1,2,2-Tetrachloroethane	11.236	83	156261	9.527	ug/L		99
88) 4-Ethyltoluene	11.257	105	678315	10.842	ug/L		98
89) 2-Chlorotoluene	11.307	91	523789M1	11.495	ug/L		
90) 1,3,5-Trimethylbenzene	11.356	105	582059	10.677	ug/L		99
91) 1,2,3-Trichloropropane	11.370	75	118328	9.492	ug/L		96
92) trans-1,4-Dichloro-2-b...	11.427	53	40565	8.865	ug/L	#	81
93) 4-Chlorotoluene	11.491	91	548233	11.439	ug/L		94
94) tert-Butylbenzene	11.703	119	463031	10.228	ug/L		97

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A01.D
Acq On : 15 Jul 2025 7:15 am
Operator : GONZO:PID
Sample : WG2091404-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 15 08:18:52 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250715A\VG250715A01.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	11.781	105	579315	10.647	ug/L	98
98)	sec-Butylbenzene	11.887	105	655097	10.610	ug/L	97
99)	p-Isopropyltoluene	12.049	119	570492	10.273	ug/L	98
100)	1,3-Dichlorobenzene	12.120	146	360202	10.226	ug/L	98
101)	1,4-Dichlorobenzene	12.212	146	370221	10.236	ug/L	98
102)	p-Diethylbenzene	12.417	119	333500	10.154	ug/L	98
103)	n-Butylbenzene	12.481	91	477341	11.182	ug/L	97
104)	1,2-Dichlorobenzene	12.636	146	336683	10.008	ug/L	99
105)	1,2,4,5-Tetramethylben...	13.216	119	461712	9.285	ug/L	97
106)	1,2-Dibromo-3-chloropr...	13.422	155	20957	7.010	ug/L	99
108)	Hexachlorobutadiene	14.016	225	59696	8.491	ug/L	100
109)	1,2,4-Trichlorobenzene	14.044	180	155517	8.166	ug/L	98
110)	Naphthalene	14.334	128	264244	6.664	ug/L	100
111)	1,2,3-Trichlorobenzene	14.504	180	107559	7.344	ug/L	98

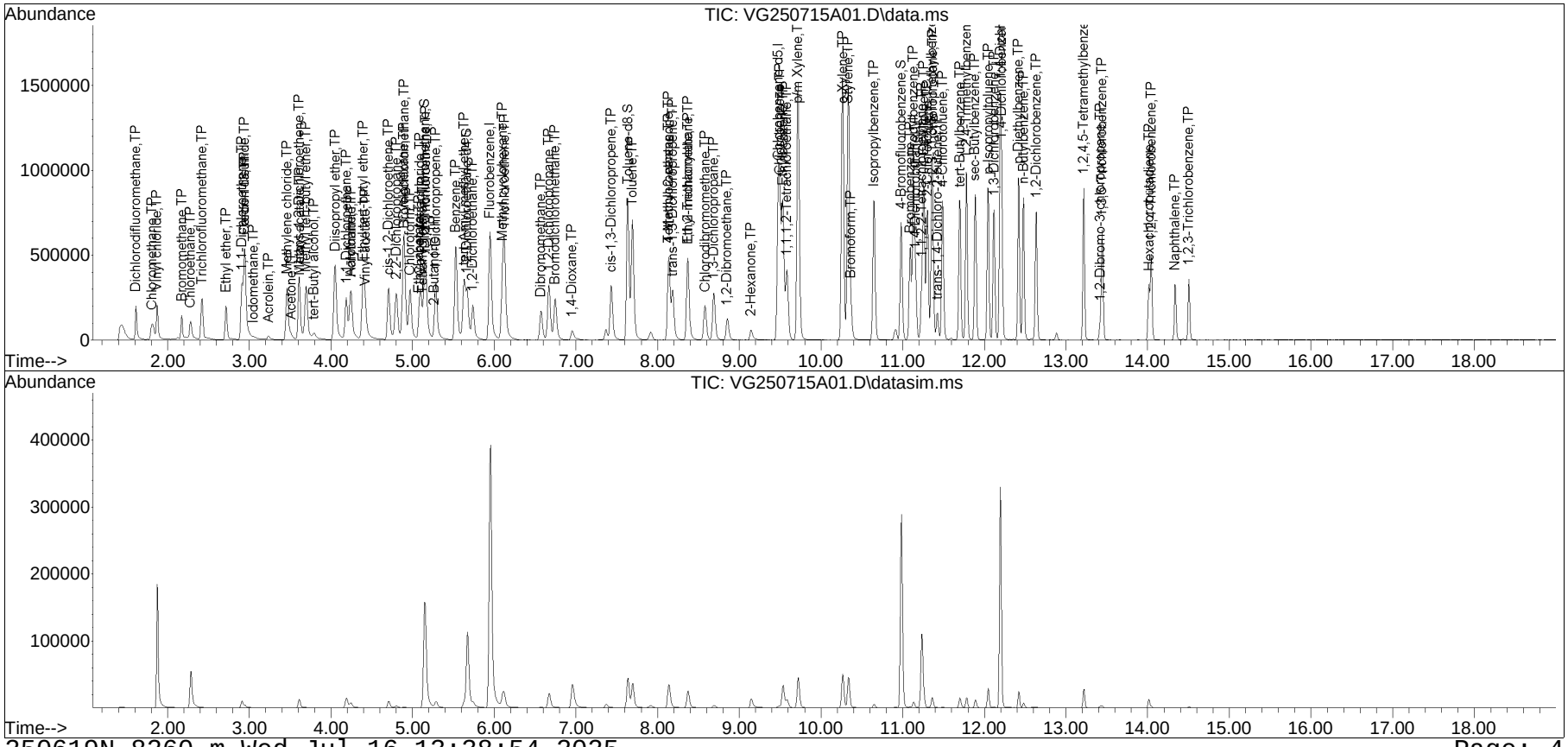
(#) = qualifier out of range (m) = manual integration (+) = signals summed

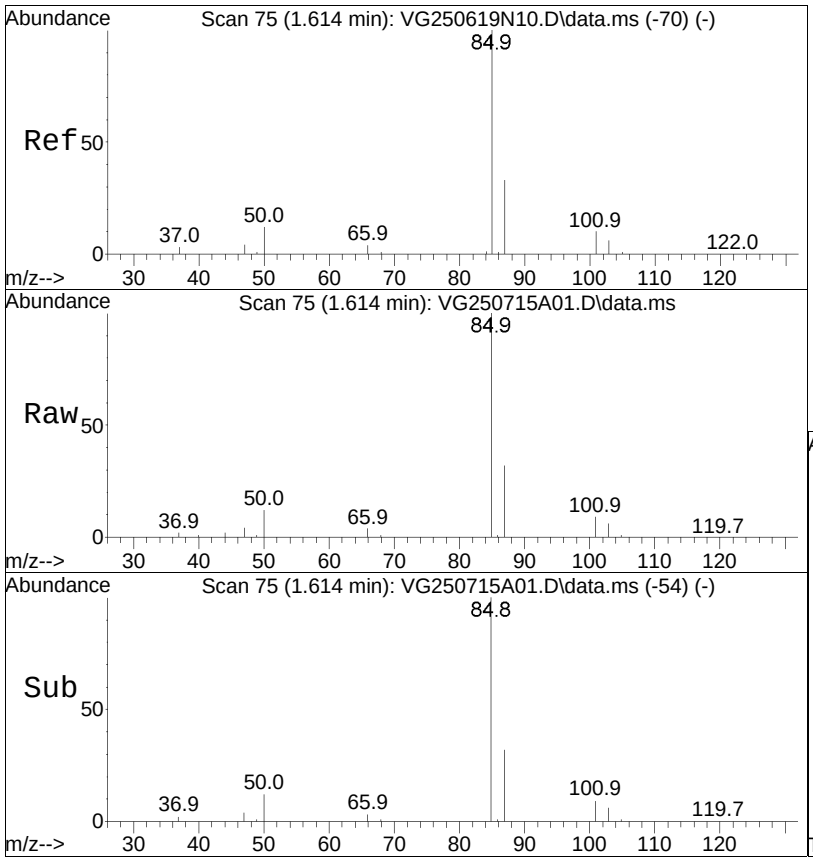
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A01.D
Acq On : 15 Jul 2025 7:15 am
Operator : GONZO:PID
Sample : WG2091404-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 15 08:18:52 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE.D•

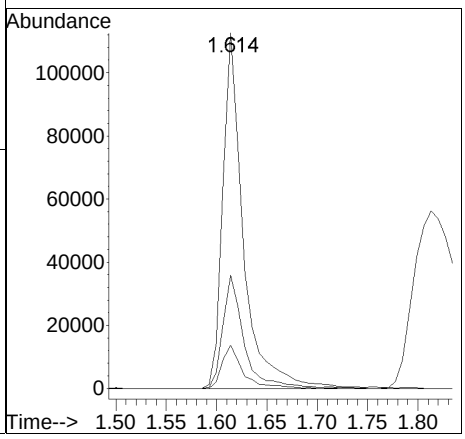


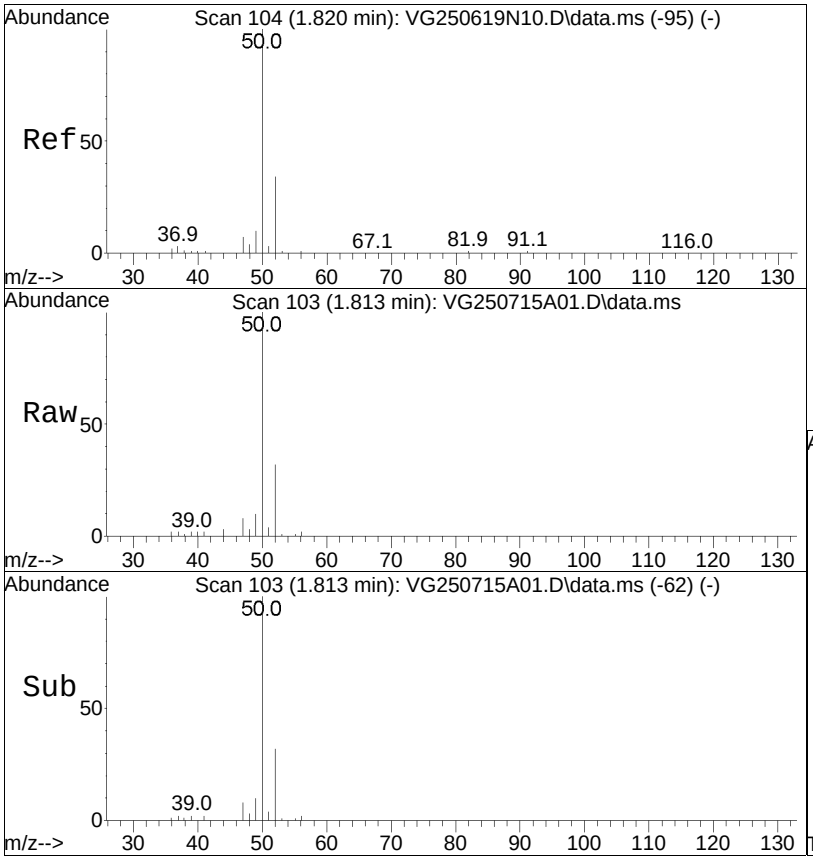


#2
Dichlorodifluoromethane
Concen: 9.93 ug/L
RT: 1.614 min Scan# 75
Delta R.T. -0.000 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 85 Resp: 161459

Ion	Ratio	Lower	Upper
85	100		
87	32.8	20.7	42.9
50	12.2	8.1	16.7

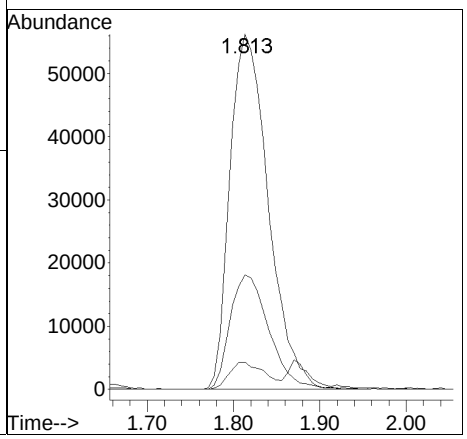


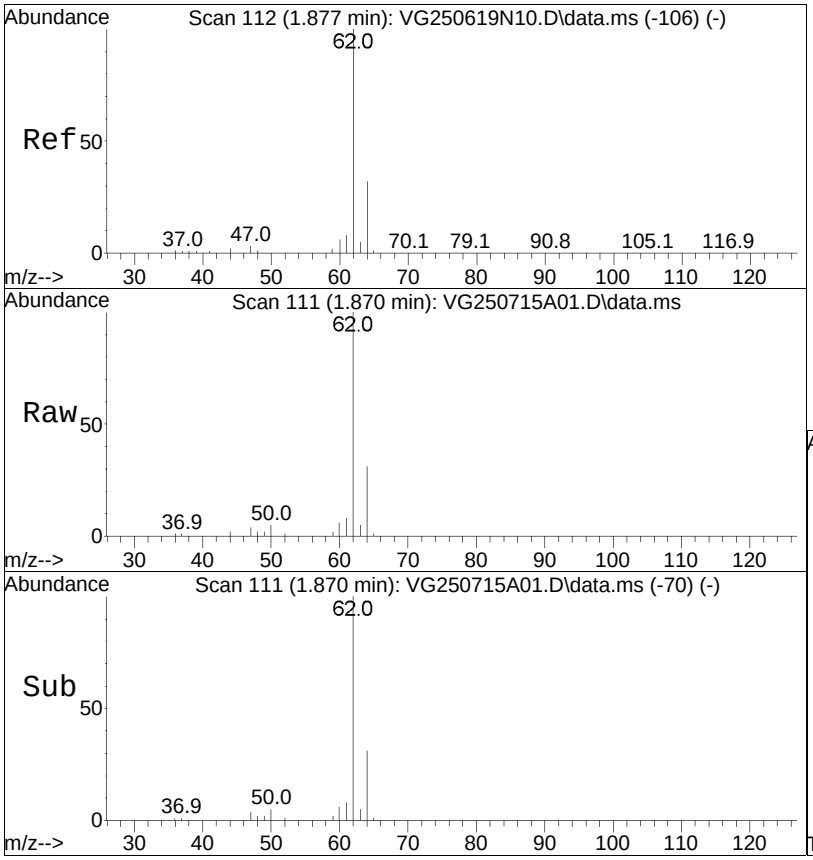


#3
Chloromethane
Concen: 11.60 ug/L
RT: 1.813 min Scan# 103
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 50 Resp: 176114

Ion	Ratio	Lower	Upper
50	100		
52	32.3	11.6	51.6
47	7.2	0.0	26.4

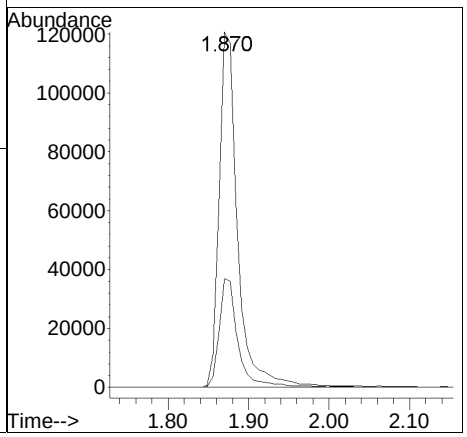


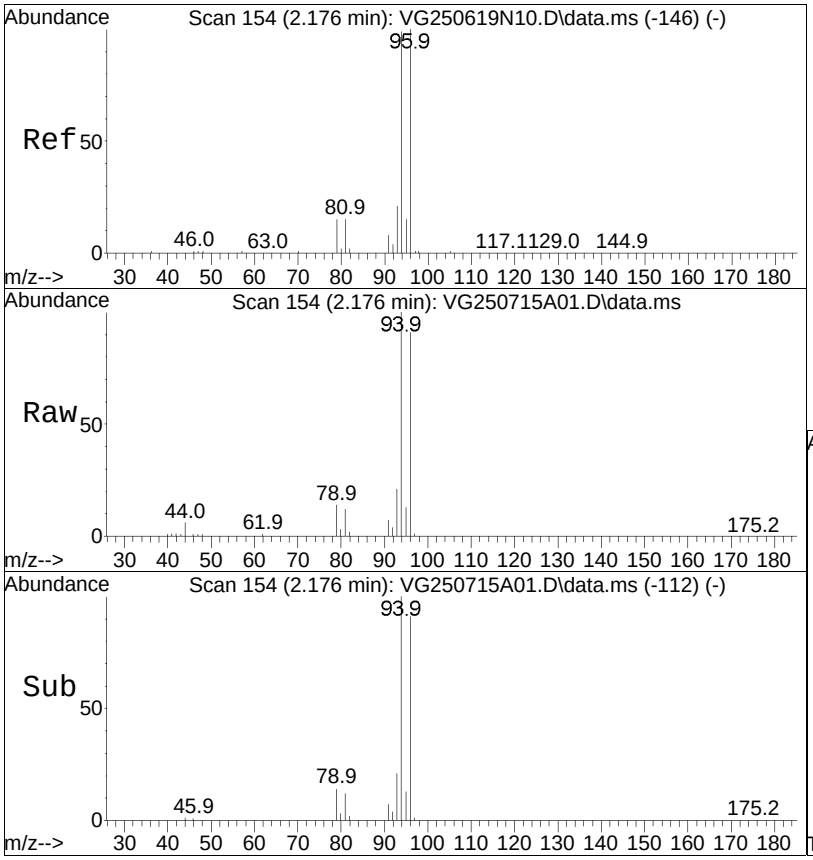


#4
Vinyl chloride
Concen: 11.61 ug/L
RT: 1.870 min Scan# 111
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 62 Resp: 193993

Ion	Ratio	Lower	Upper
62	100		
64	31.0	11.5	51.5

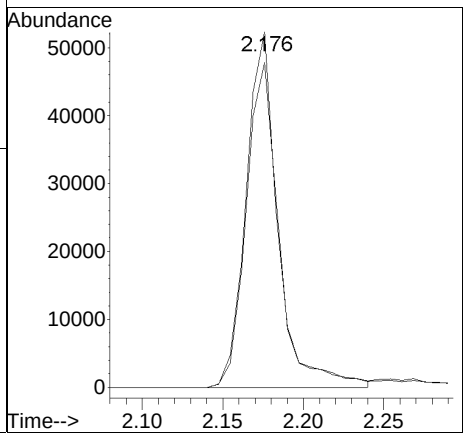


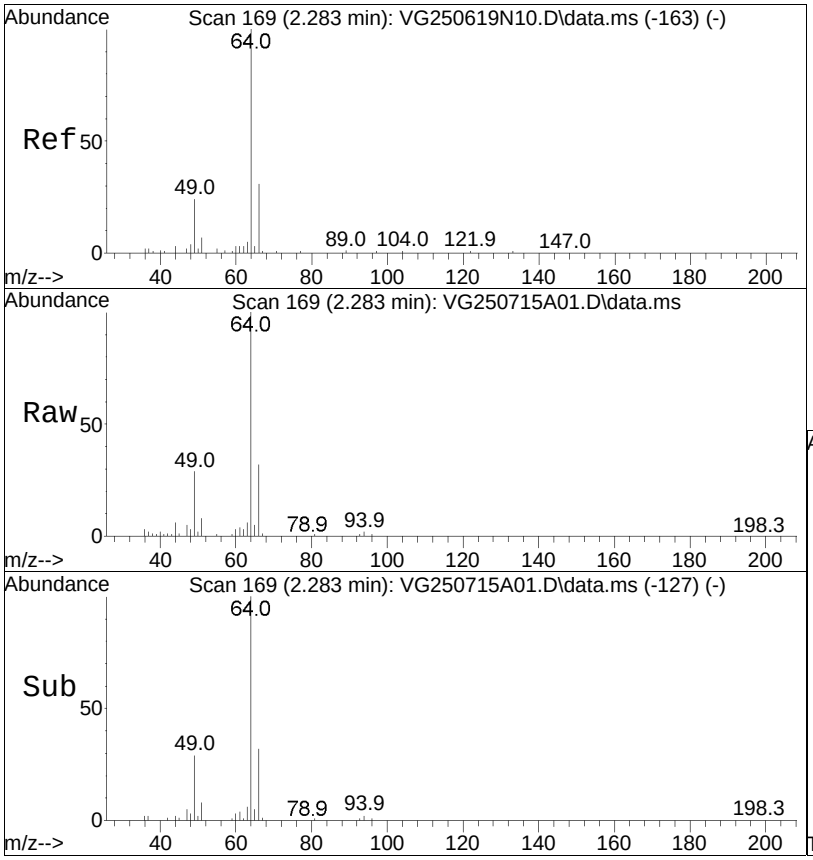


#5
Bromomethane
Concen: 6.30 ug/L
RT: 2.176 min Scan# 154
Delta R.T. -0.000 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 94 Resp: 72213

Ion	Ratio	Lower	Upper
94	100		
96	95.3	75.8	115.8

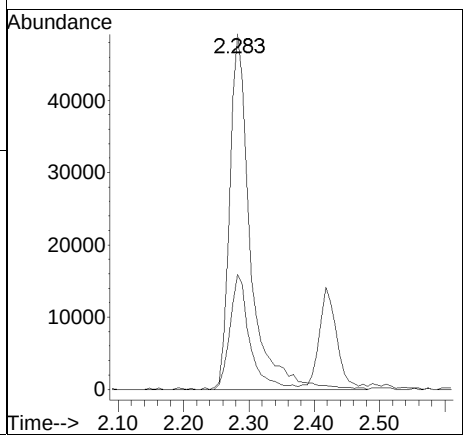


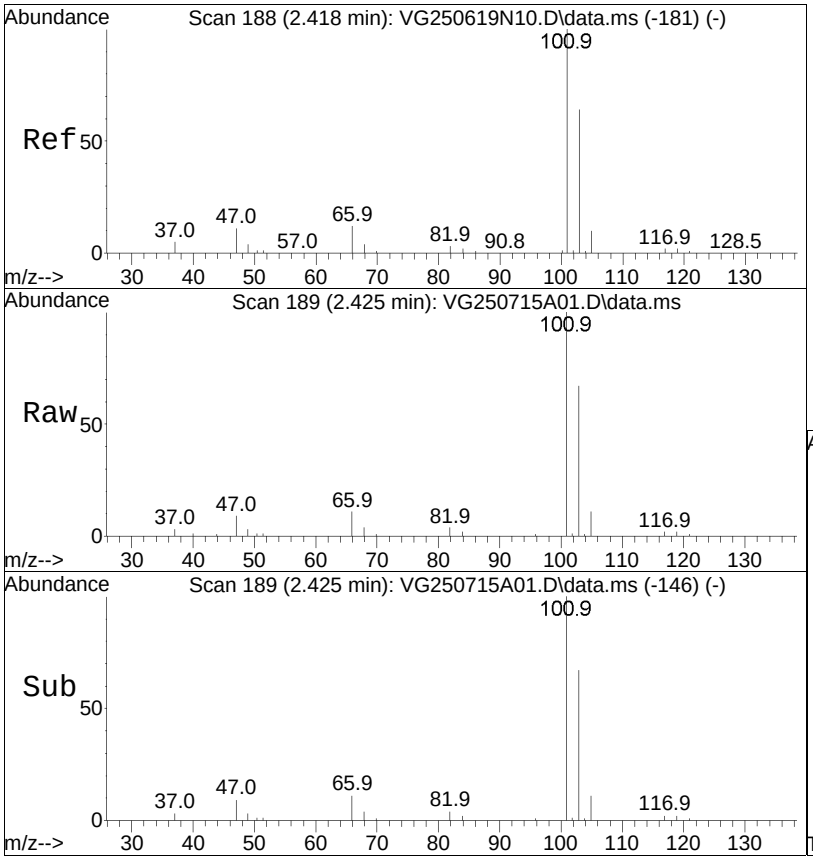


#6
Chloroethane
Concen: 9.51 ug/L
RT: 2.283 min Scan# 169
Delta R.T. -0.000 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 64 Resp: 107800

Ion	Ratio	Lower	Upper
64	100		
66	31.2	12.9	52.9

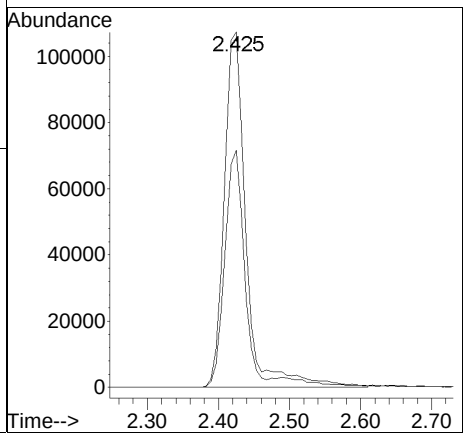


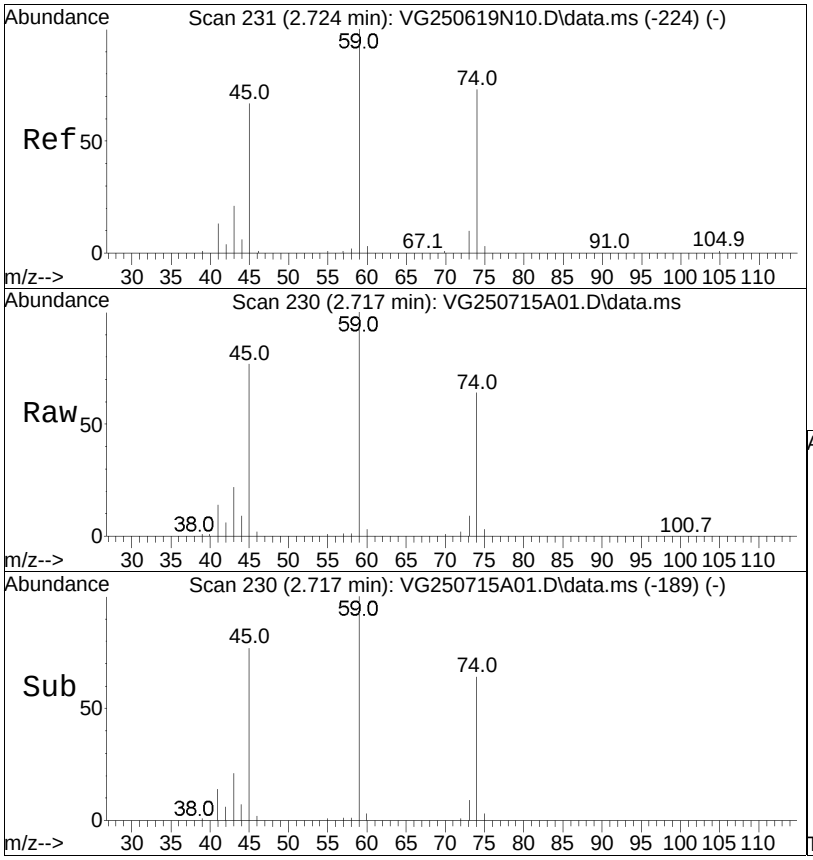


#7
Trichlorofluoromethane
Concen: 10.30 ug/L
RT: 2.425 min Scan# 189
Delta R.T. 0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:101 Resp: 230087

Ion	Ratio	Lower	Upper
101	100		
103	59.1	52.2	78.2

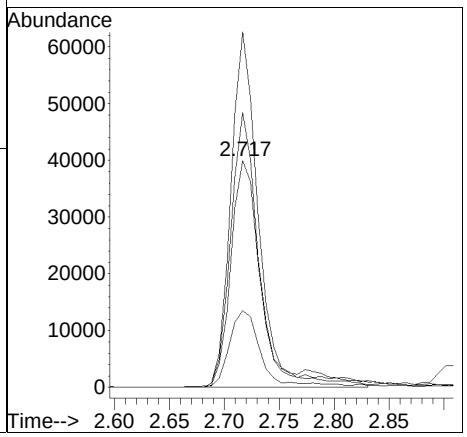


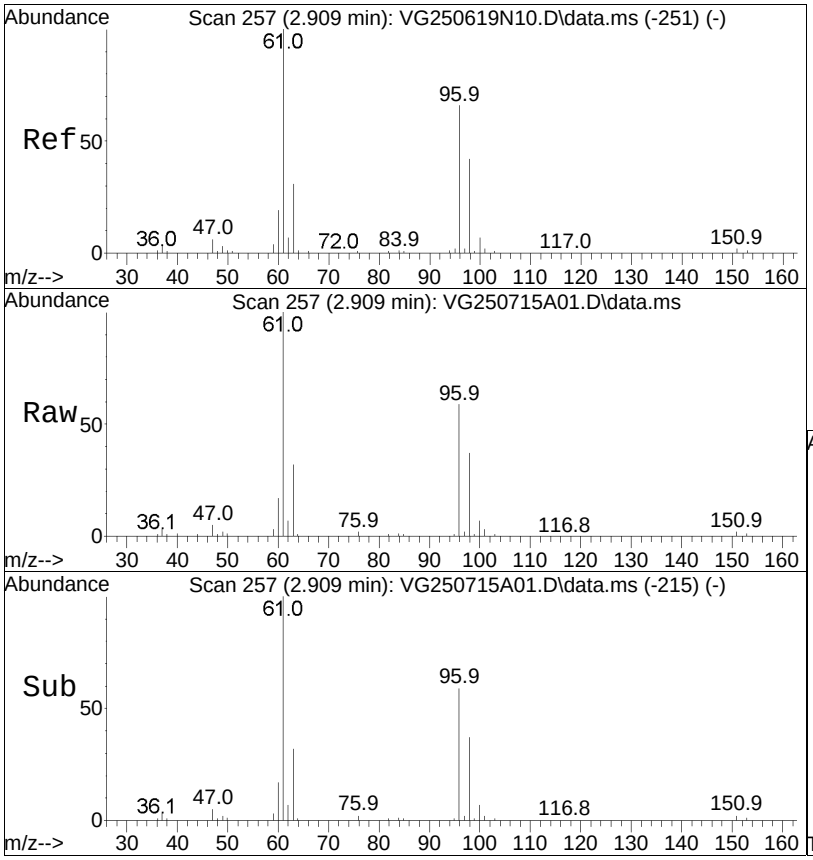


#8
Ethyl ether
Concen: 9.51 ug/L
RT: 2.717 min Scan# 230
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 74 Resp: 76842

Ion	Ratio	Lower	Upper
74	100		
59	138.9	86.5	179.7
45	118.7	62.3	129.5
43	36.0	16.4	34.2#

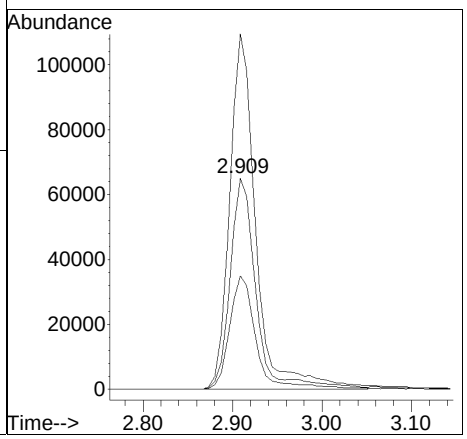


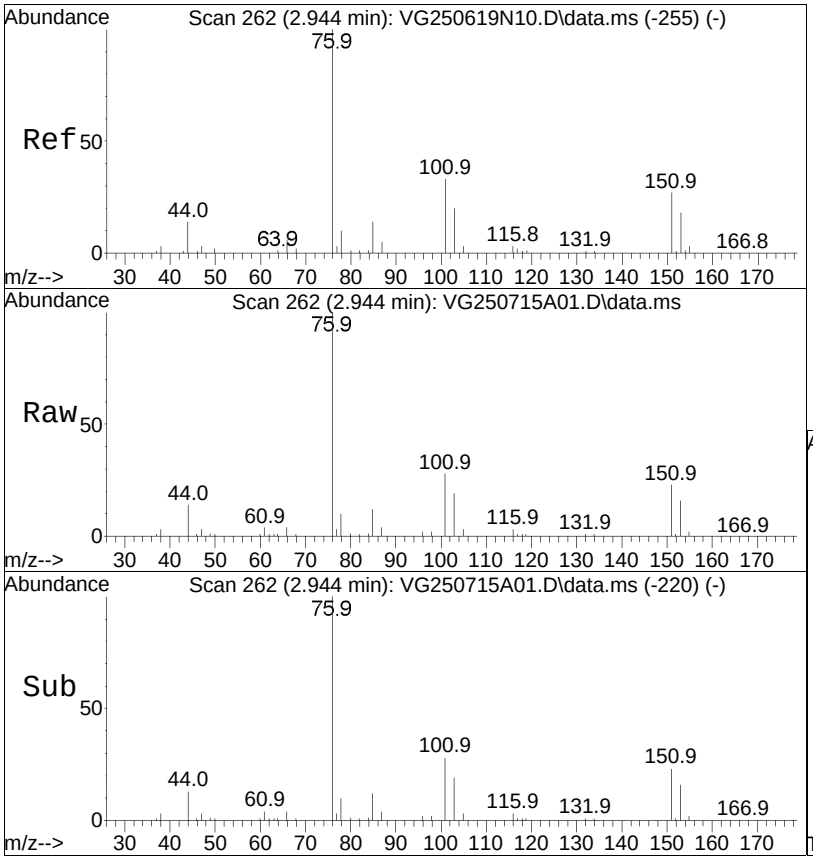


#10
1,1-Dichloroethene
Concen: 9.85 ug/L
RT: 2.909 min Scan# 257
Delta R.T. -0.000 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 96 Resp: 132373

Ion	Ratio	Lower	Upper
96	100		
61	171.2	121.1	181.7
63	54.9	38.5	57.7

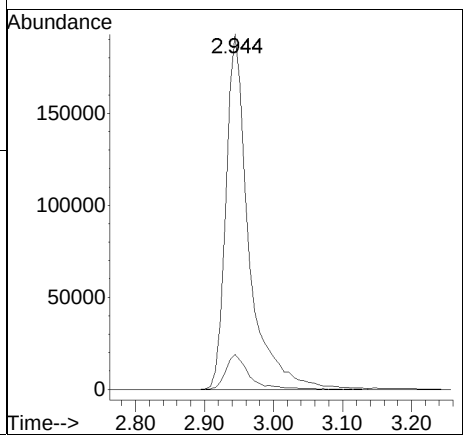


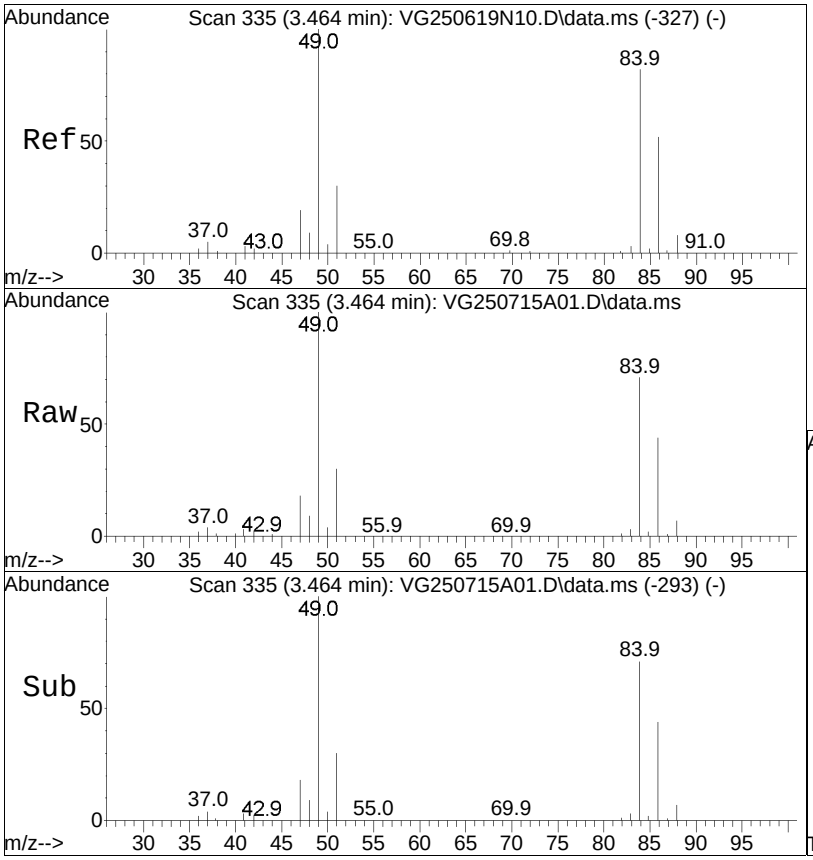


#11
Carbon disulfide
Concen: 11.01 ug/L
RT: 2.944 min Scan# 262
Delta R.T. 0.000 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 76 Resp: 448053

Ion	Ratio	Lower	Upper
76	100		
78	10.0	6.3	13.1

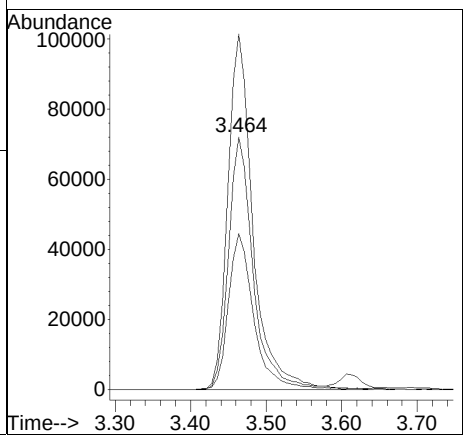


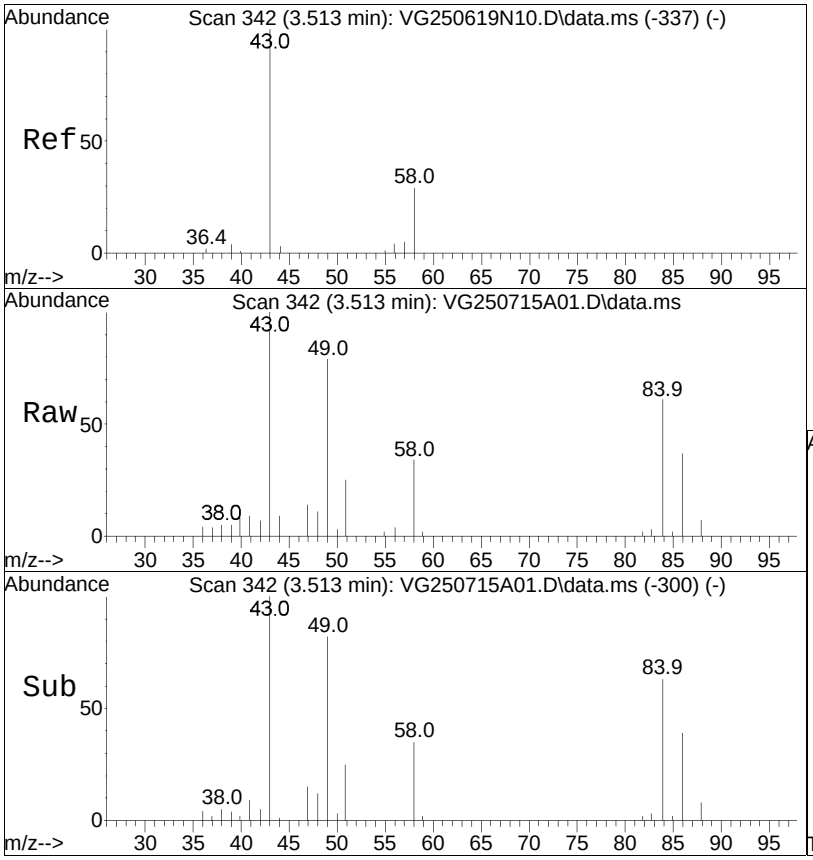


#15
Methylene chloride
Concen: 10.11 ug/L
RT: 3.464 min Scan# 335
Delta R.T. -0.000 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 84 Resp: 165209

Ion	Ratio	Lower	Upper
84	100		
86	62.9	41.7	86.7
49	141.2	78.6	163.3

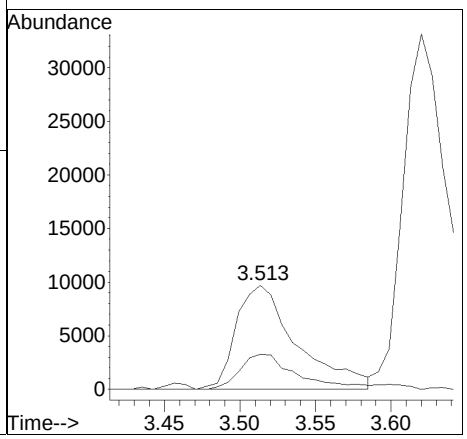


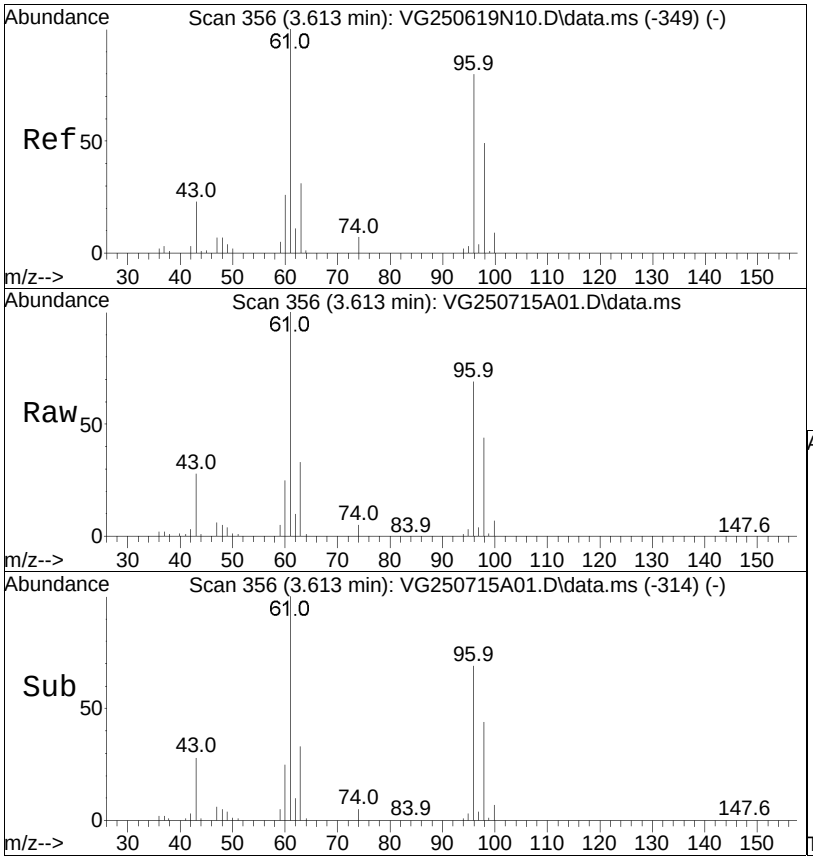


#17
Acetone
Concen: 8.59 ug/L
RT: 3.513 min Scan# 342
Delta R.T. 0.000 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 43 Resp: 27274

Ion	Ratio	Lower	Upper
43	100		
58	31.7	26.2	39.2

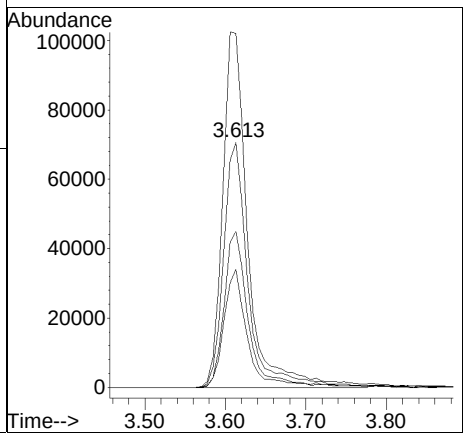


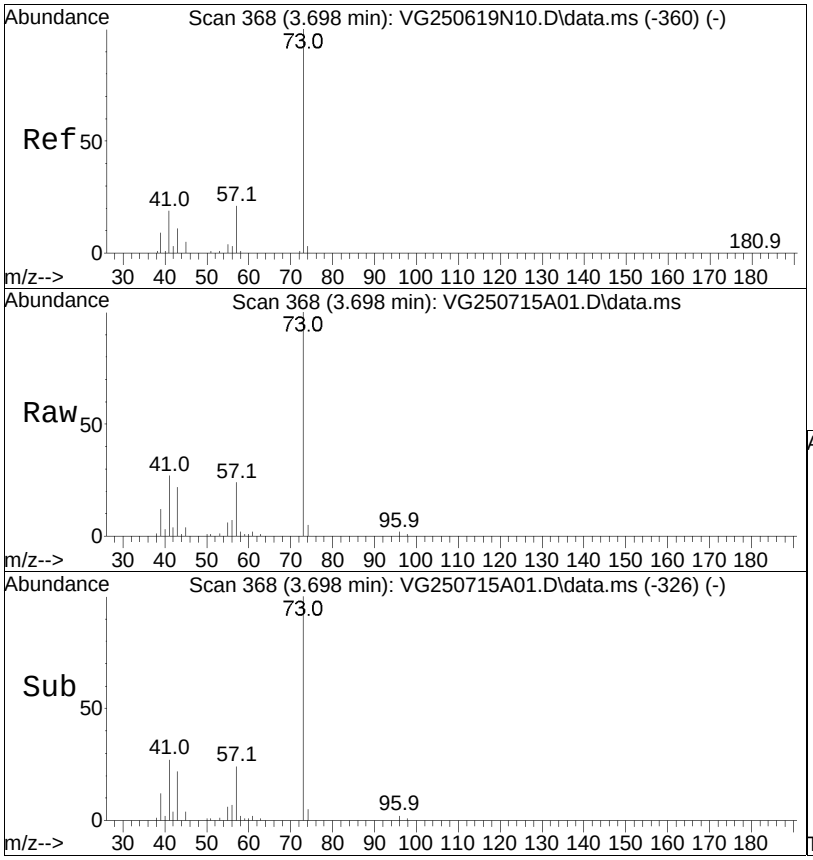


#18
trans-1,2-Dichloroethene
Concen: 10.38 ug/L
RT: 3.613 min Scan# 356
Delta R.T. -0.000 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 96 Resp: 151118

Ion	Ratio	Lower	Upper
96	100		
61	147.5	85.7	177.9
98	61.4	42.8	88.8
63	45.2	26.5	55.1

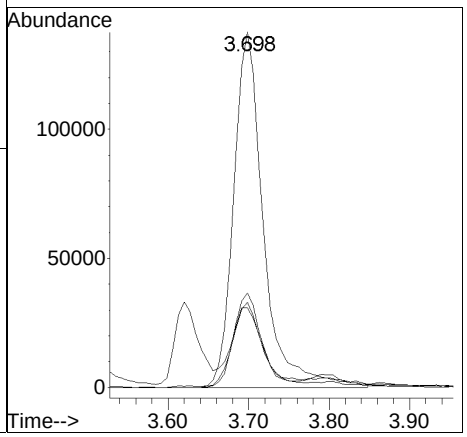


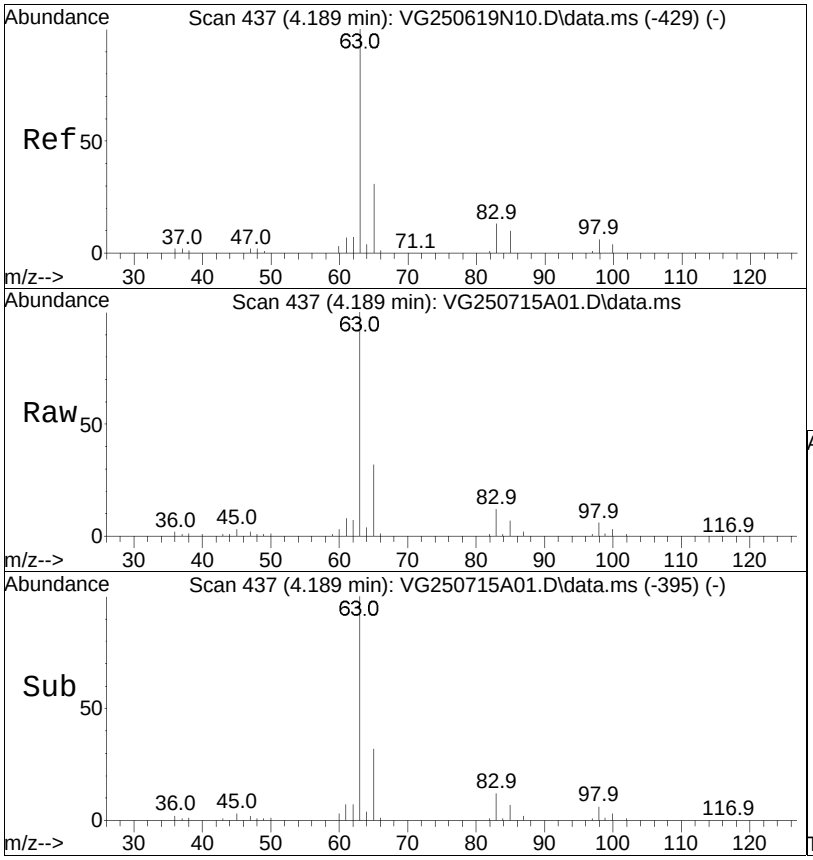


#20
Methyl tert-butyl ether
Concen: 8.37 ug/L
RT: 3.698 min Scan# 368
Delta R.T. 0.000 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 73 Resp: 355071

Ion	Ratio	Lower	Upper
73	100		
57	23.6	13.1	27.3
43	20.9	14.1	29.3
41	24.8	11.7	24.3#

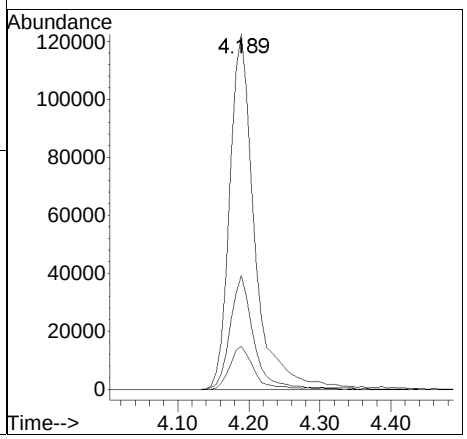


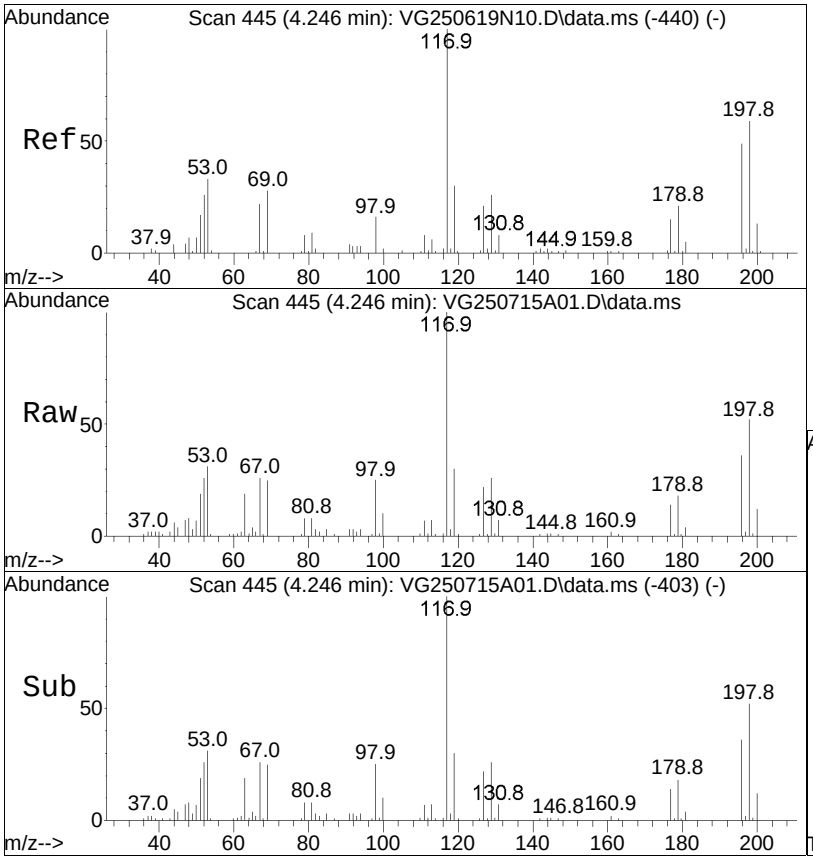


#23
1,1-Dichloroethane
Concen: 11.68 ug/L
RT: 4.189 min Scan# 437
Delta R.T. 0.000 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 63 Resp: 300704

Ion	Ratio	Lower	Upper
63	100		
65	30.1	9.7	49.7
83	11.7	0.0	33.1

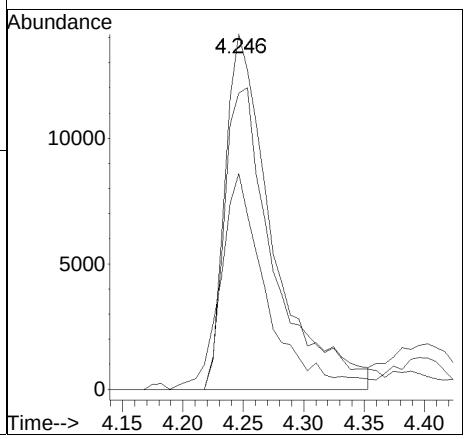


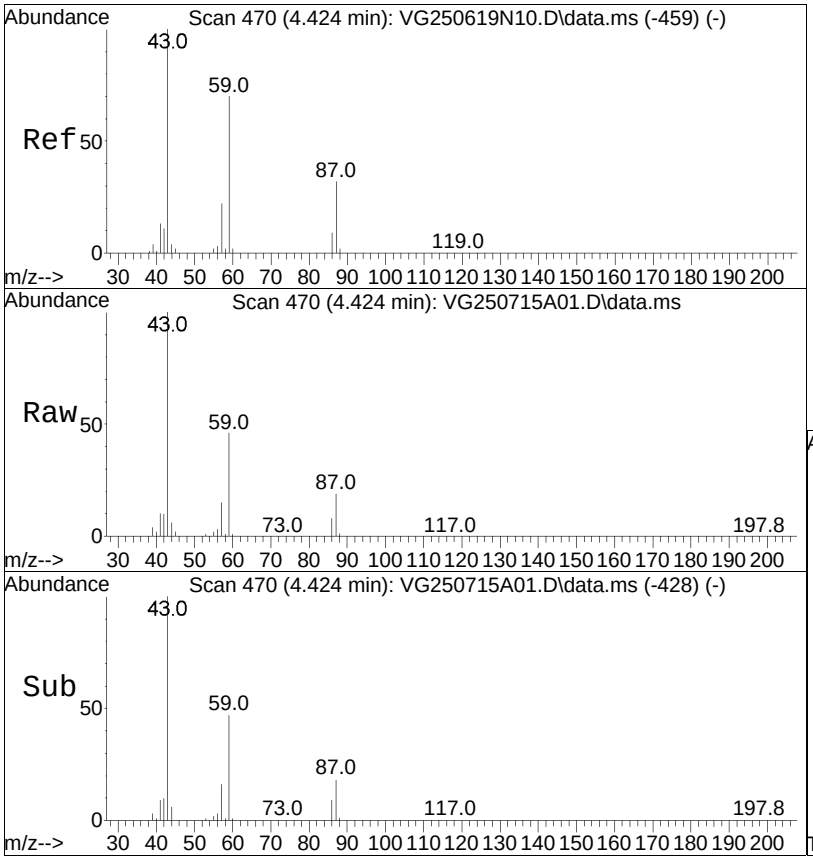


#25
Acrylonitrile
Concen: 9.51 ug/L
RT: 4.246 min Scan# 445
Delta R.T. -0.000 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 53 Resp: 38806

Ion	Ratio	Lower	Upper
53	100		
52	90.1	68.2	102.4
51	59.4	45.4	68.0

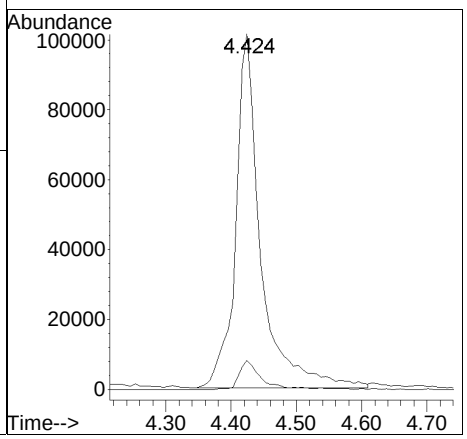


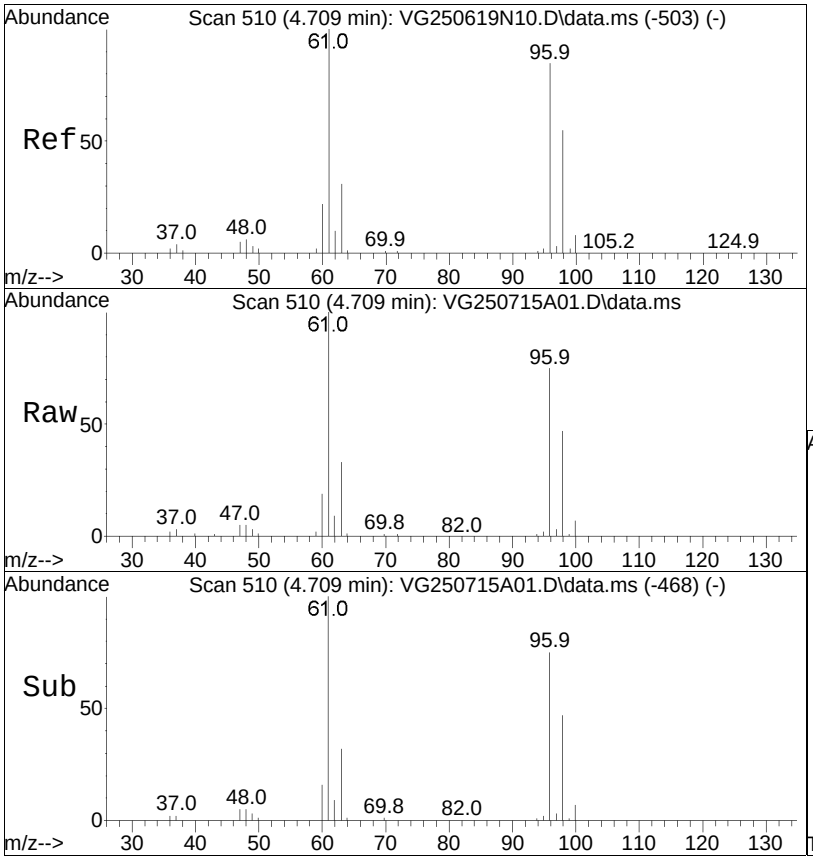


#27
Vinyl acetate
Concen: 9.91 ug/L
RT: 4.424 min Scan# 470
Delta R.T. -0.000 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 43 Resp: 271948

Ion	Ratio	Lower	Upper
43	100		
86	6.6	7.2	10.8#

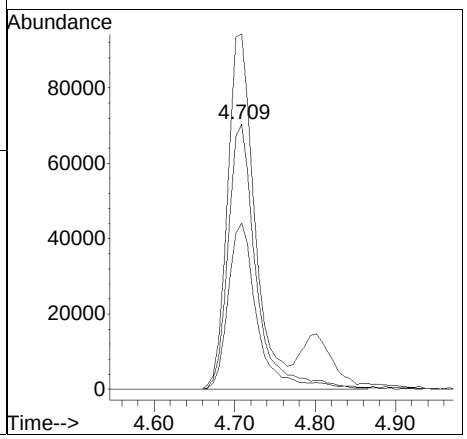


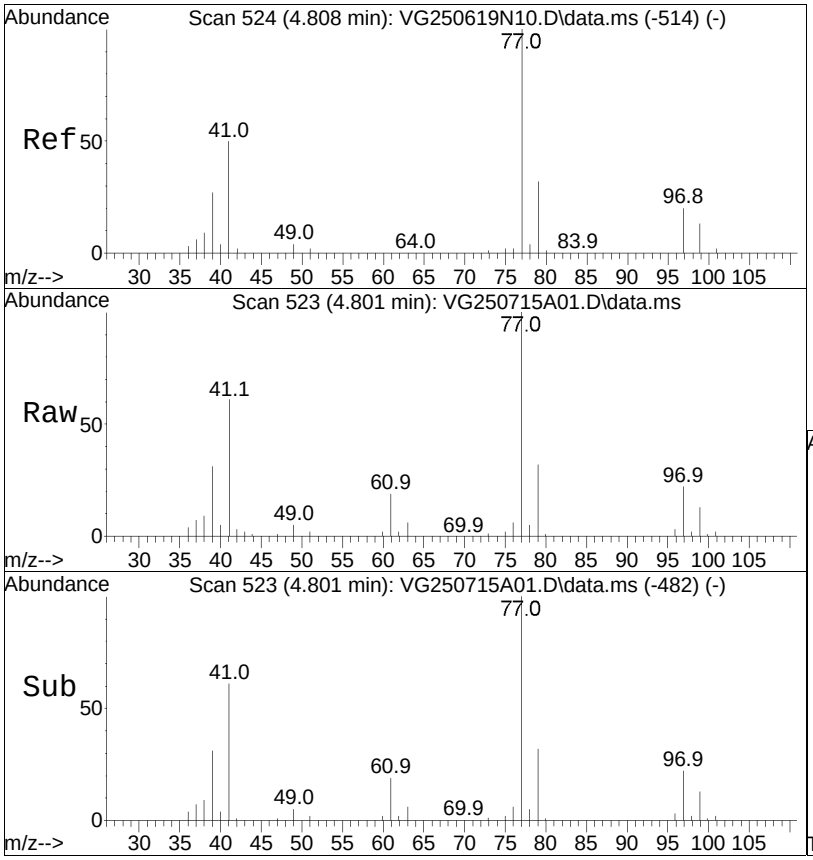


#28
cis-1,2-Dichloroethene
Concen: 10.11 ug/L
RT: 4.709 min Scan# 510
Delta R.T. -0.000 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 96 Resp: 171415

Ion	Ratio	Lower	Upper
96	100		
61	128.2	87.4	131.2
98	65.0	47.5	71.3

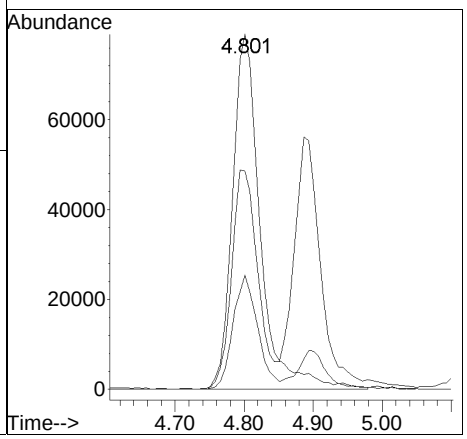


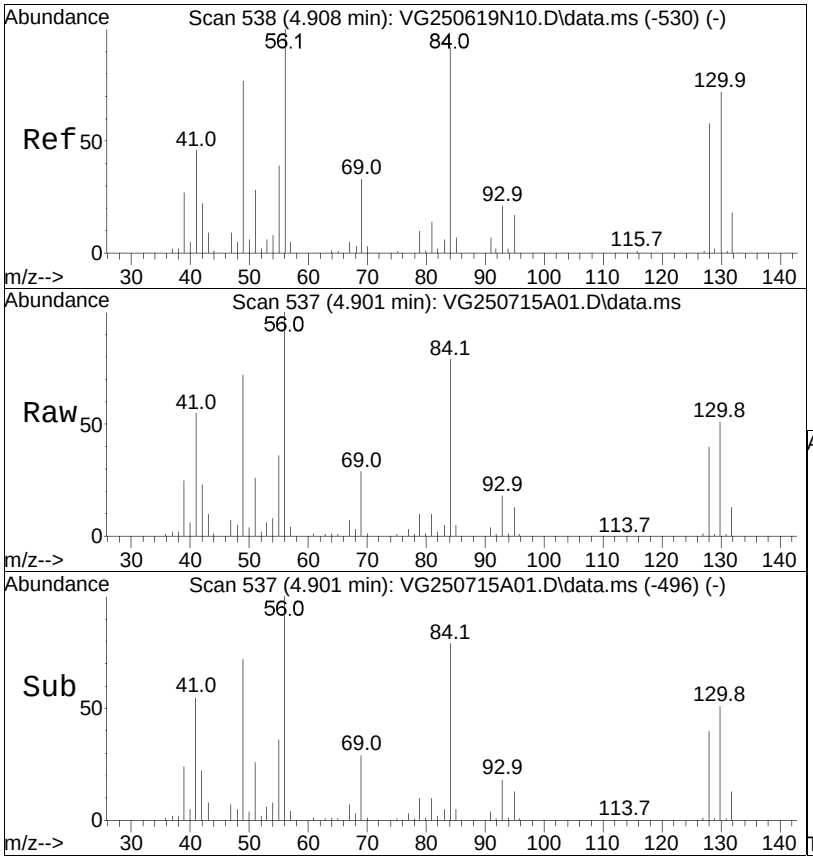


#29
2,2-Dichloropropane
Concen: 10.25 ug/L
RT: 4.801 min Scan# 523
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 77 Resp: 220786

Ion	Ratio	Lower	Upper
77	100		
41	59.2	32.2	66.8
79	28.7	19.5	40.5

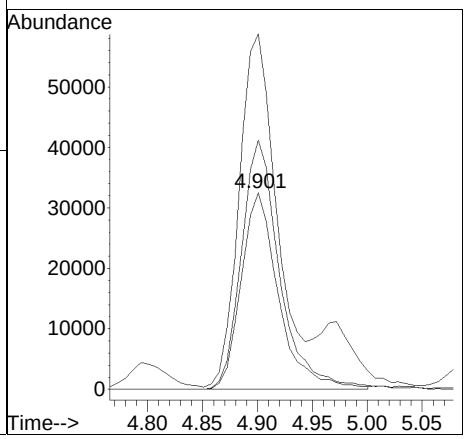


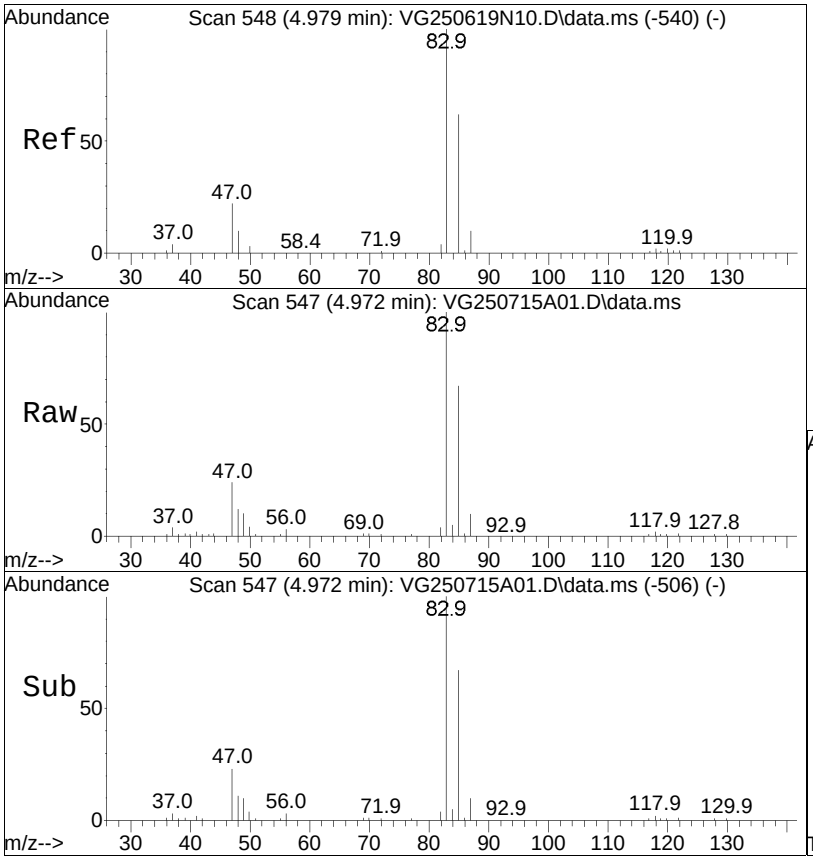


#30
Bromochloromethane
Concen: 9.76 ug/L
RT: 4.901 min Scan# 537
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:128 Resp: 77465

Ion	Ratio	Lower	Upper
128	100		
49	177.0	105.7	158.5#
130	129.8	100.9	151.3

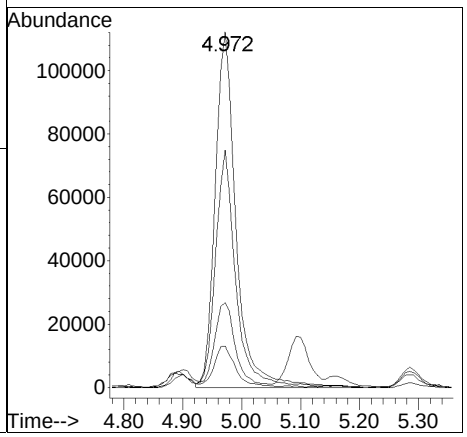


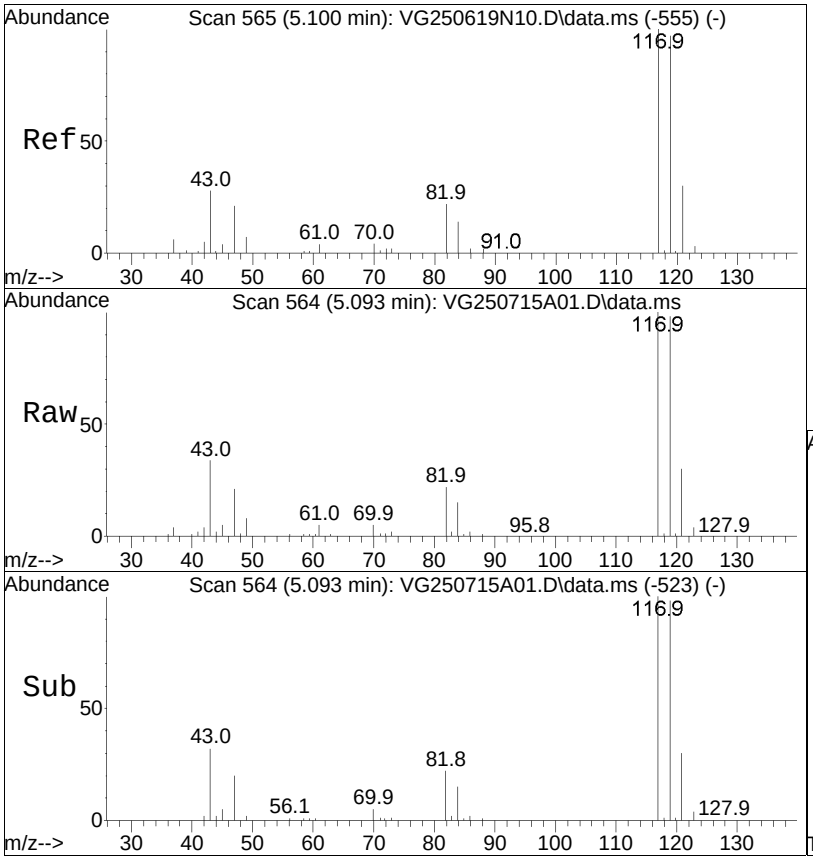


#32
Chloroform
Concen: 10.49 ug/L
RT: 4.972 min Scan# 547
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 83 Resp: 277834

Ion	Ratio	Lower	Upper
83	100		
85	61.7	40.8	84.6
47	23.6	13.5	28.1
48	12.1	7.2	15.0

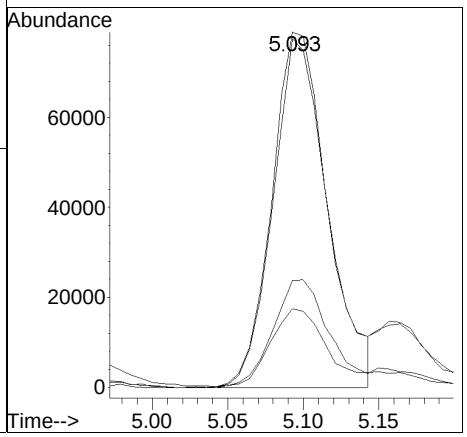


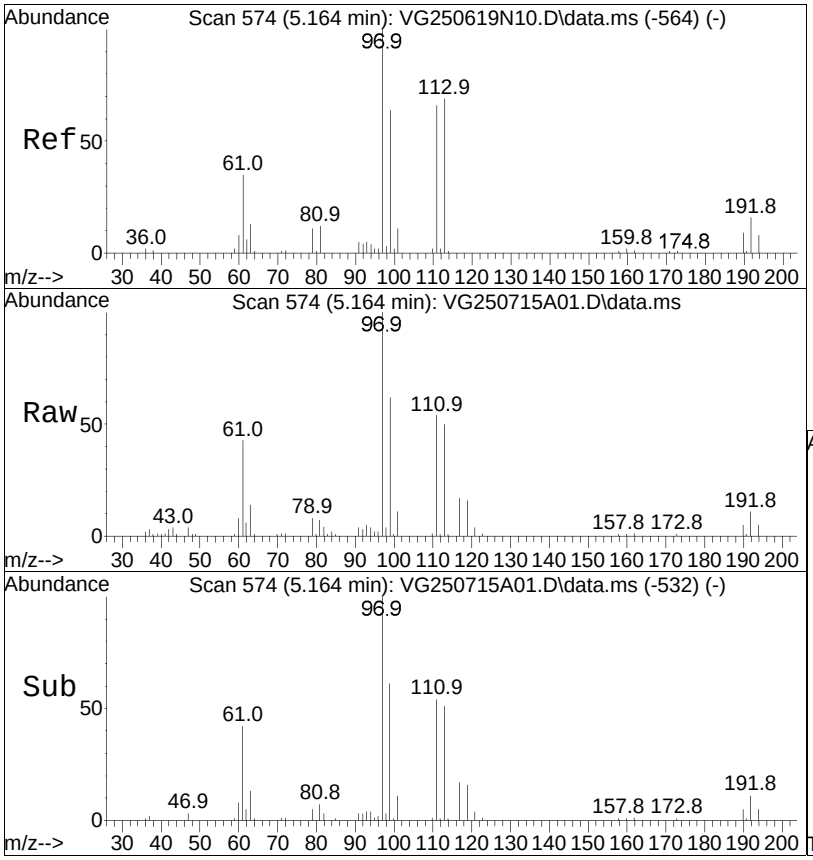


#34
Carbon tetrachloride
Concen: 9.59 ug/L
RT: 5.093 min Scan# 564
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:117 Resp: 202824

Ion	Ratio	Lower	Upper
117	100		
119	96.0	60.6	125.8
121	30.5	19.9	41.3
82	22.2	13.8	28.8

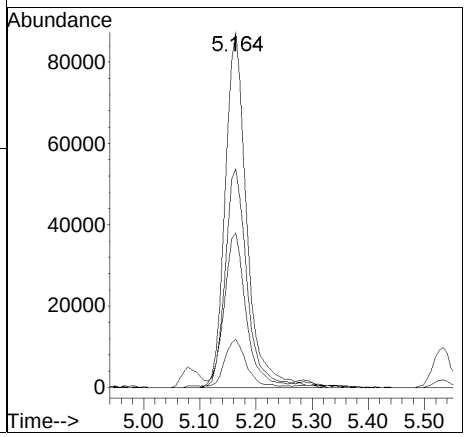


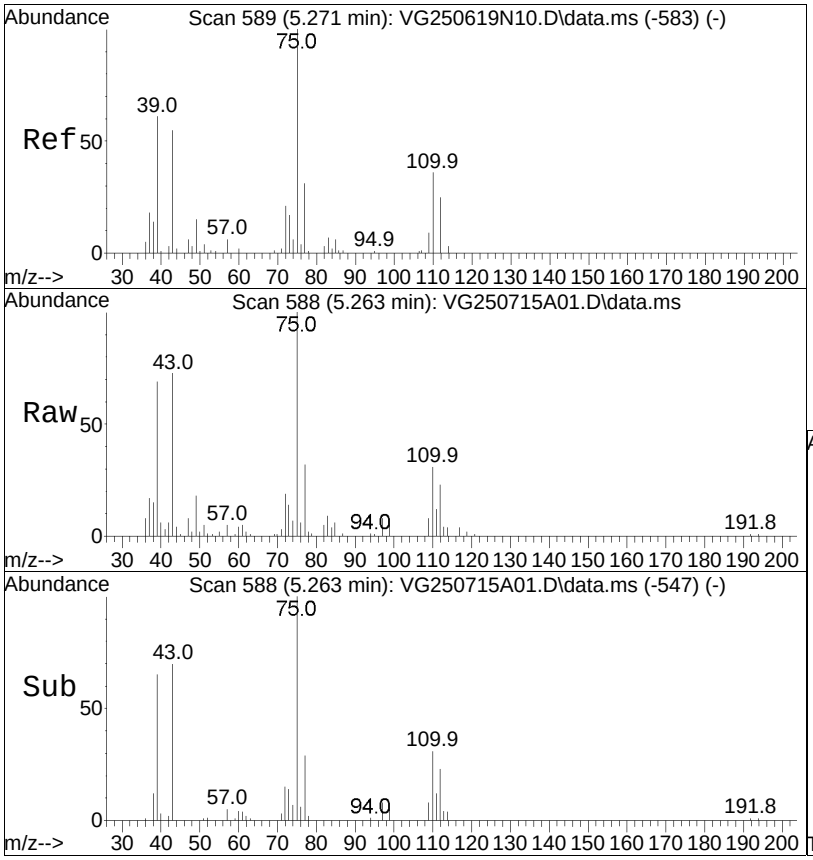


#37
1,1,1-Trichloroethane
Concen: 10.18 ug/L
RT: 5.164 min Scan# 574
Delta R.T. -0.000 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 97 Resp: 235952

Ion	Ratio	Lower	Upper
97	100		
99	62.5	41.0	85.0
61	43.6	26.7	55.4
63	13.7	8.6	17.8

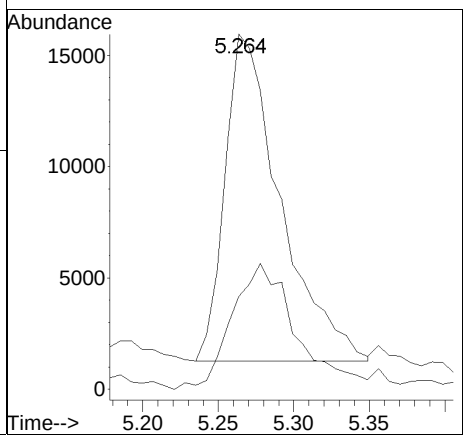


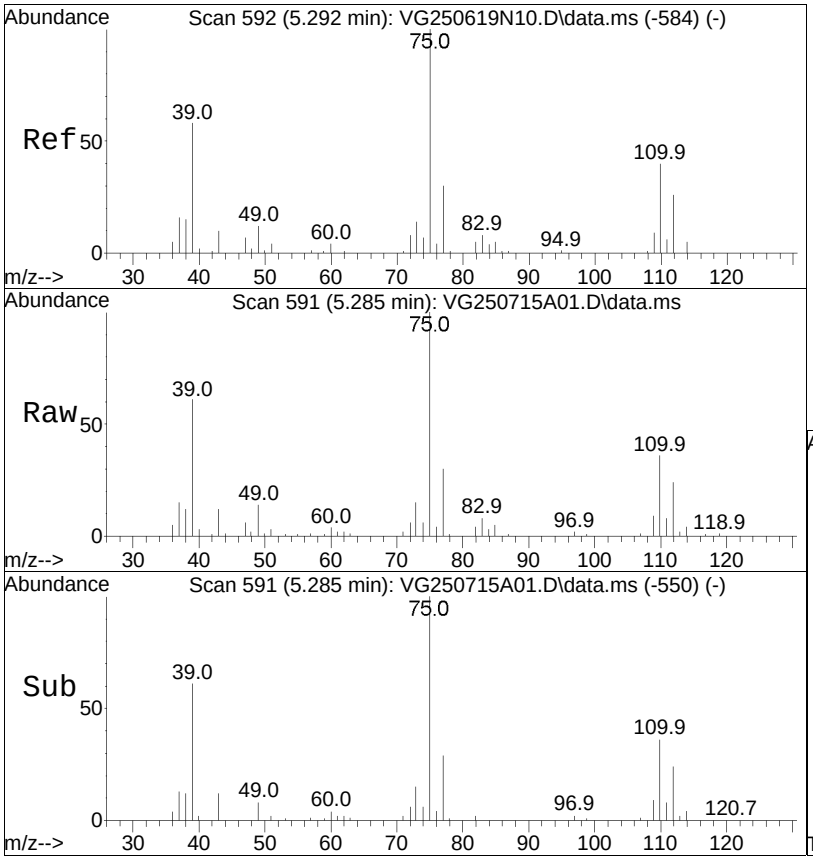


#39
2-Butanone
Concen: 7.79 ug/L
RT: 5.263 min Scan# 588
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 43 Resp: 37427

Ion	Ratio	Lower	Upper
43	100		
72	44.7	41.3	61.9

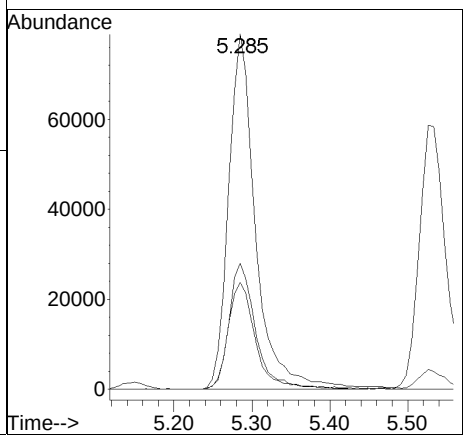


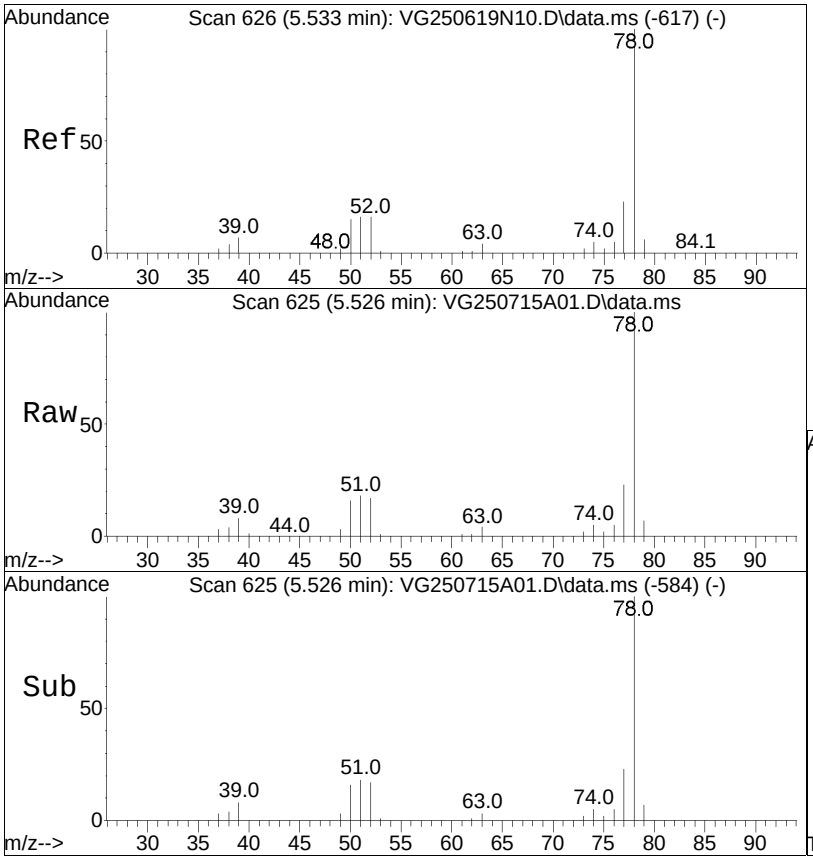


#40
1,1-Dichloropropene
Concen: 10.39 ug/L
RT: 5.285 min Scan# 591
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 75 Resp: 191383

Ion	Ratio	Lower	Upper
75	100		
110	35.3	25.5	53.1
77	30.5	19.7	40.9

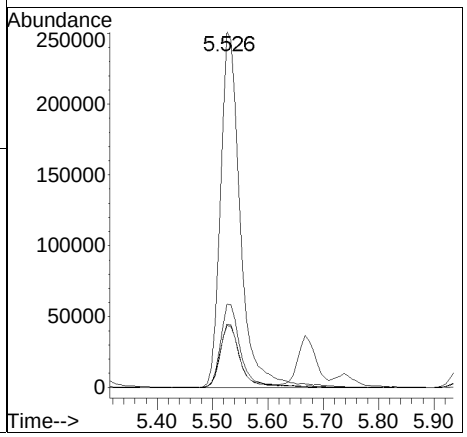


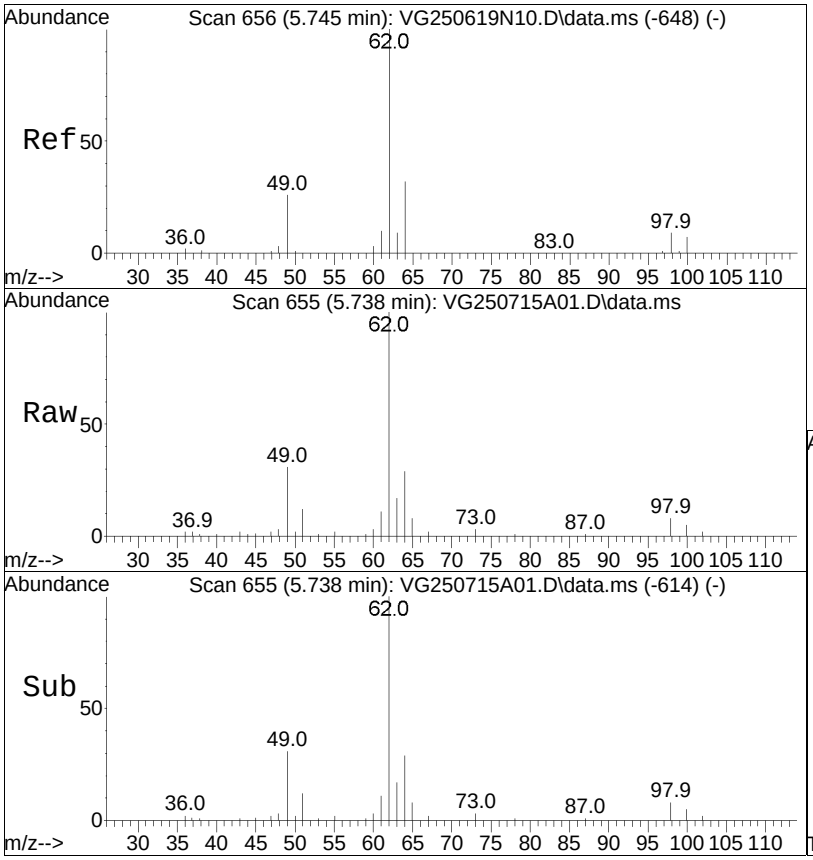


#41
Benzene
Concen: 10.84 ug/L
RT: 5.526 min Scan# 625
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 78 Resp: 626998

Ion	Ratio	Lower	Upper
78	100		
77	23.5	15.1	31.3
51	17.3	10.3	21.3
52	17.4	9.9	20.7

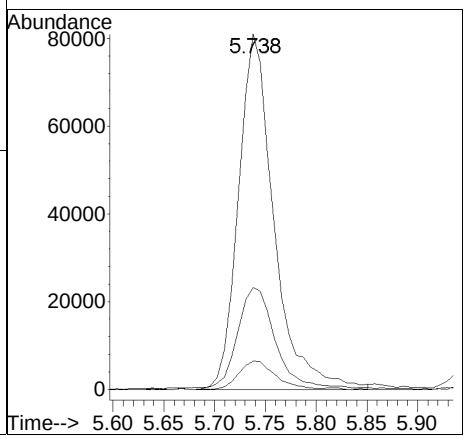


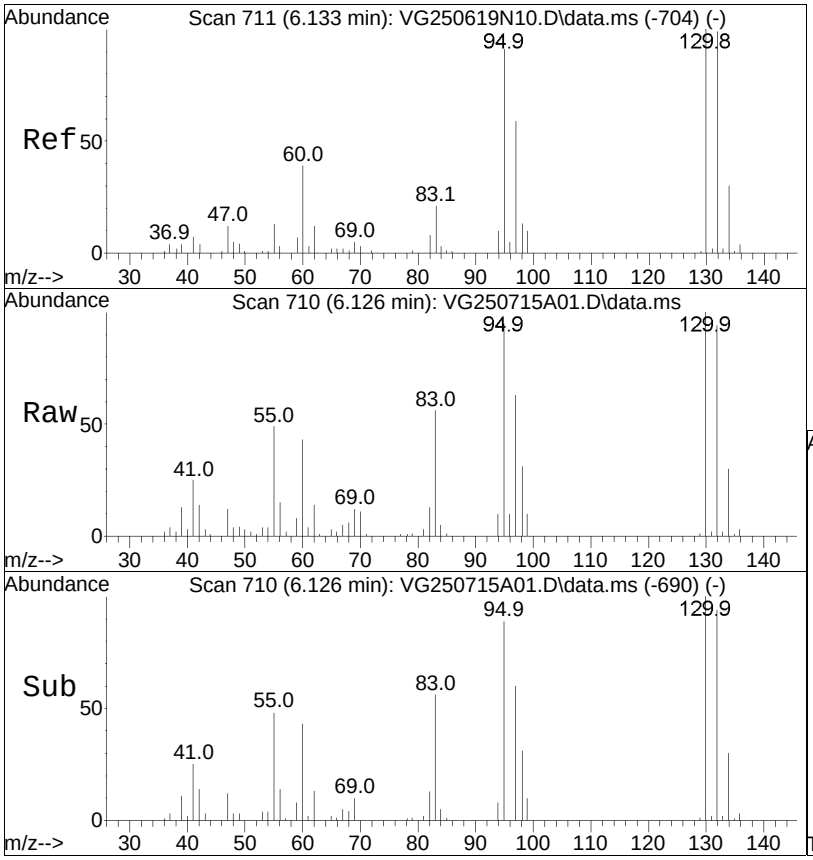


#44
1,2-Dichloroethane
Concen: 10.40 ug/L
RT: 5.738 min Scan# 655
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 62 Resp: 197211

Ion	Ratio	Lower	Upper
62	100		
64	31.5	10.9	50.9
98	8.2	0.0	29.9

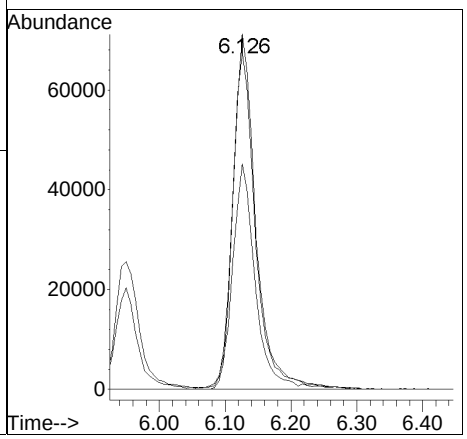


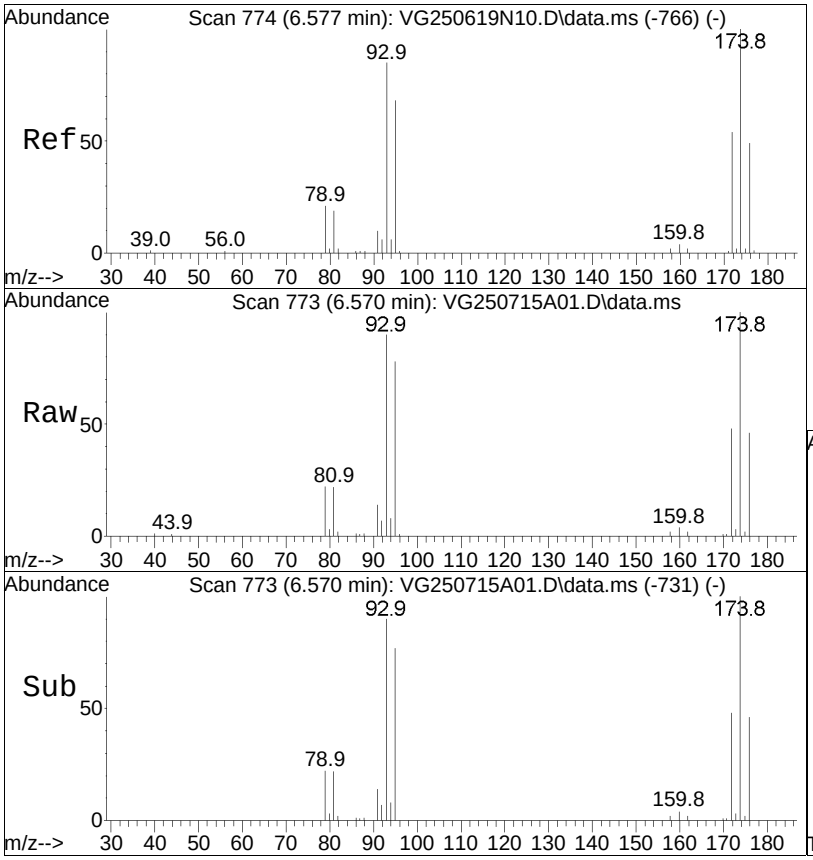


#48
Trichloroethene
Concen: 10.50 ug/L
RT: 6.126 min Scan# 710
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 95 Resp: 166446

Ion	Ratio	Lower	Upper
95	100		
97	64.0	53.8	80.6
130	103.0	87.0	130.6

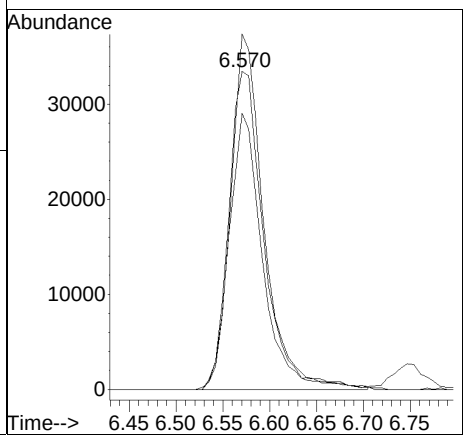


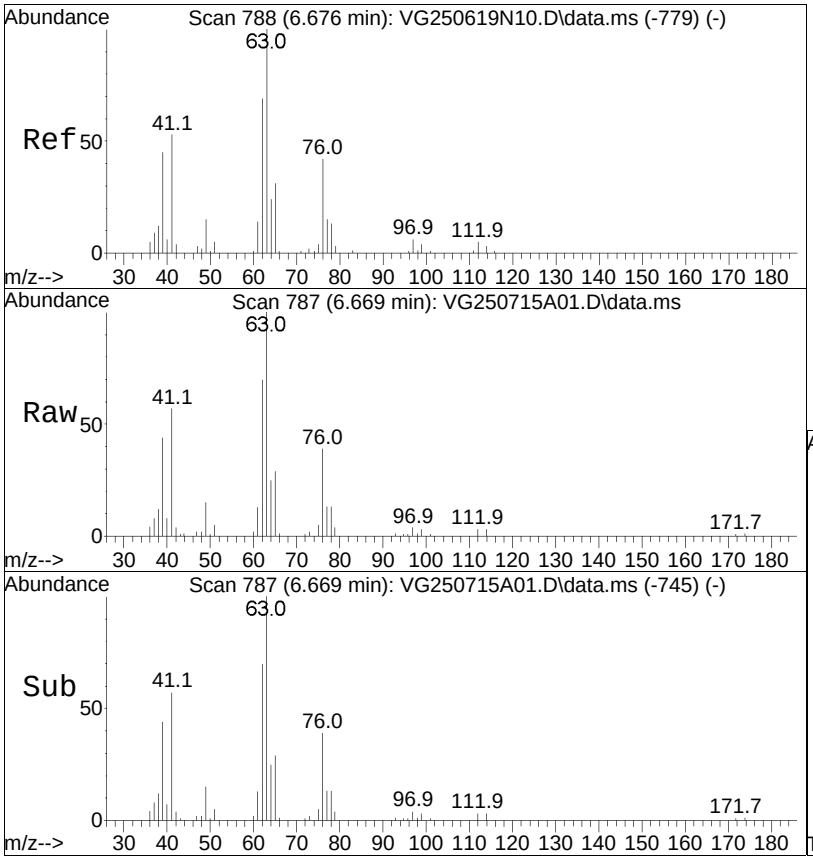


#50
Dibromomethane
Concen: 9.10 ug/L
RT: 6.570 min Scan# 773
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 93 Resp: 87096

Ion	Ratio	Lower	Upper
93	100		
95	83.3	66.6	99.8
174	105.4	97.8	146.6

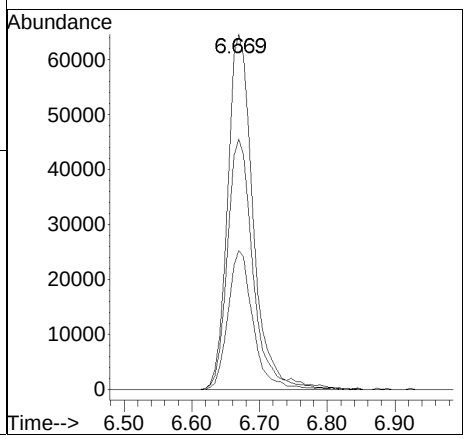


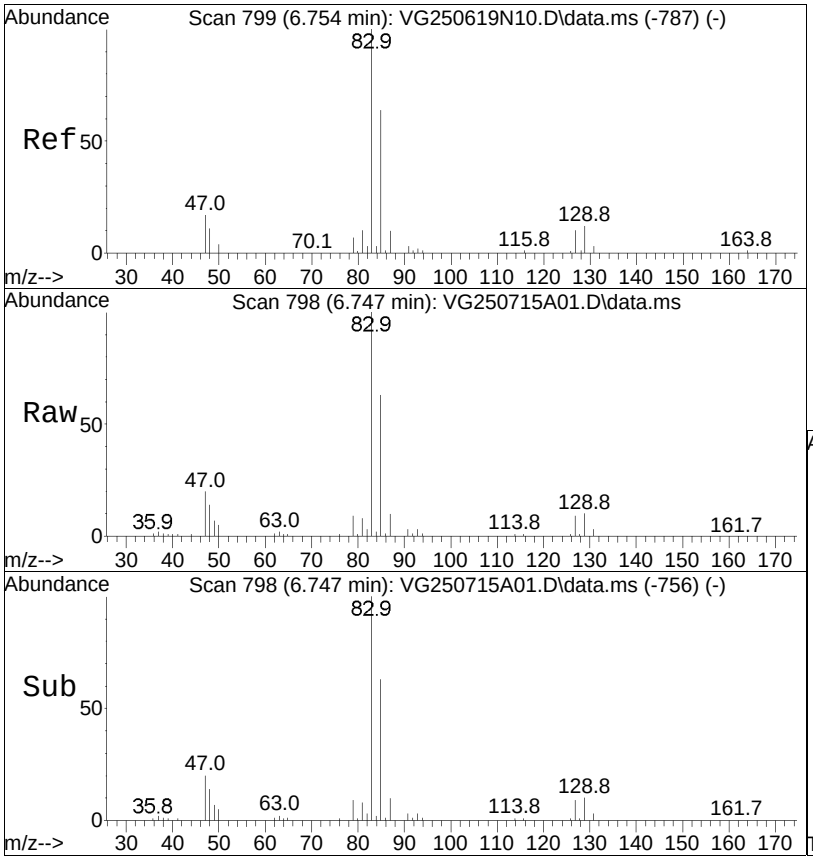


#51
1,2-Dichloropropane
Concen: 11.43 ug/L
RT: 6.669 min Scan# 787
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 63 Resp: 169975

Ion	Ratio	Lower	Upper
63	100		
62	70.7	54.1	81.1
76	38.4	33.8	50.6

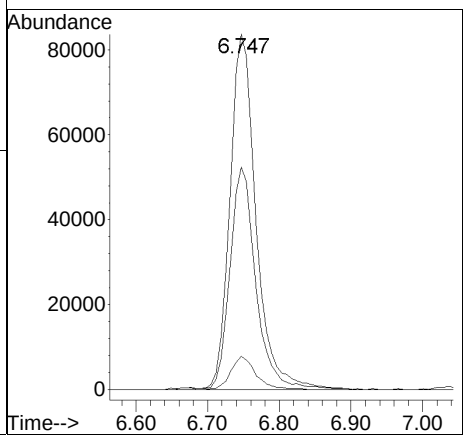


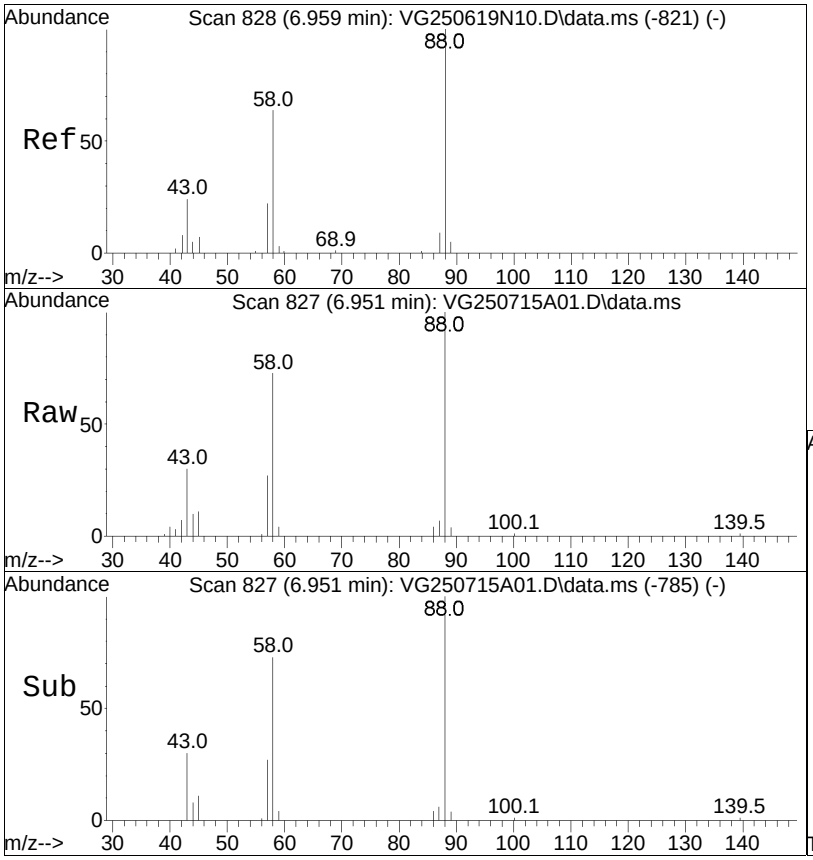


#54
Bromodichloromethane
Concen: 10.10 ug/L
RT: 6.747 min Scan# 798
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 83 Resp: 212234

Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.0	76.6
127	8.9	7.8	11.6

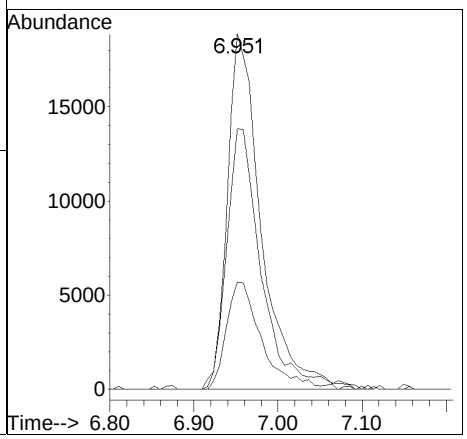


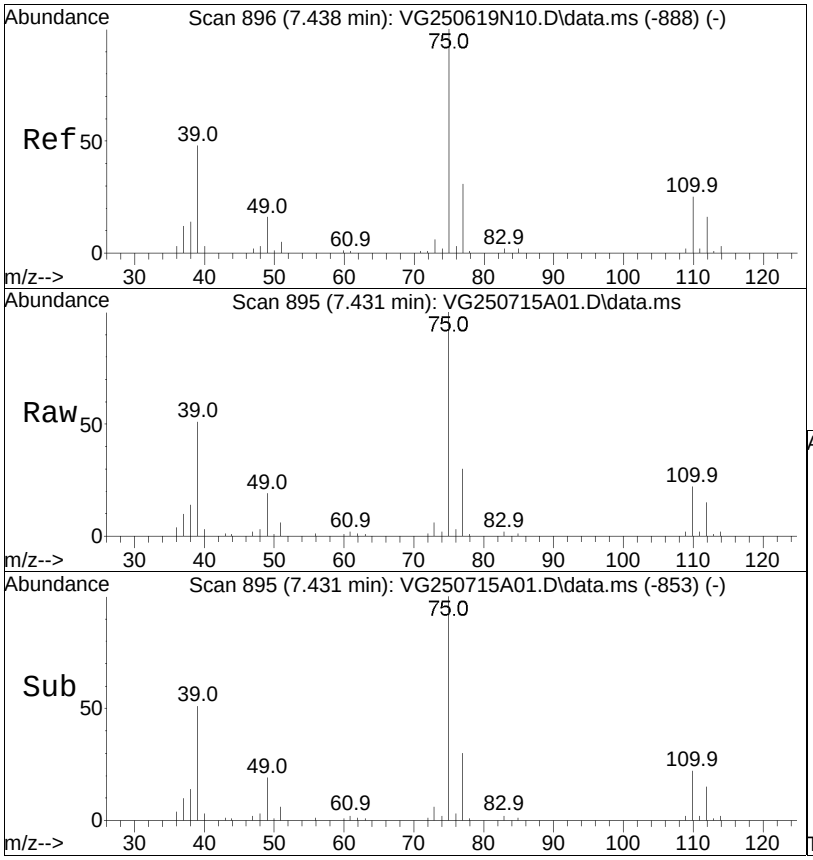


#57
1,4-Dioxane
Concen: 350.39 ug/L
RT: 6.951 min Scan# 827
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 88 Resp: 53302

Ion	Ratio	Lower	Upper
88	100		
58	74.4	49.8	74.8
43	31.9	22.0	33.0

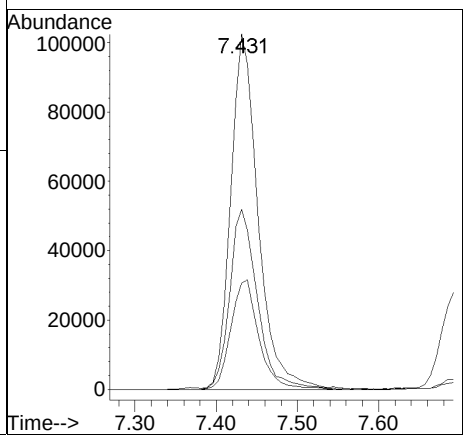


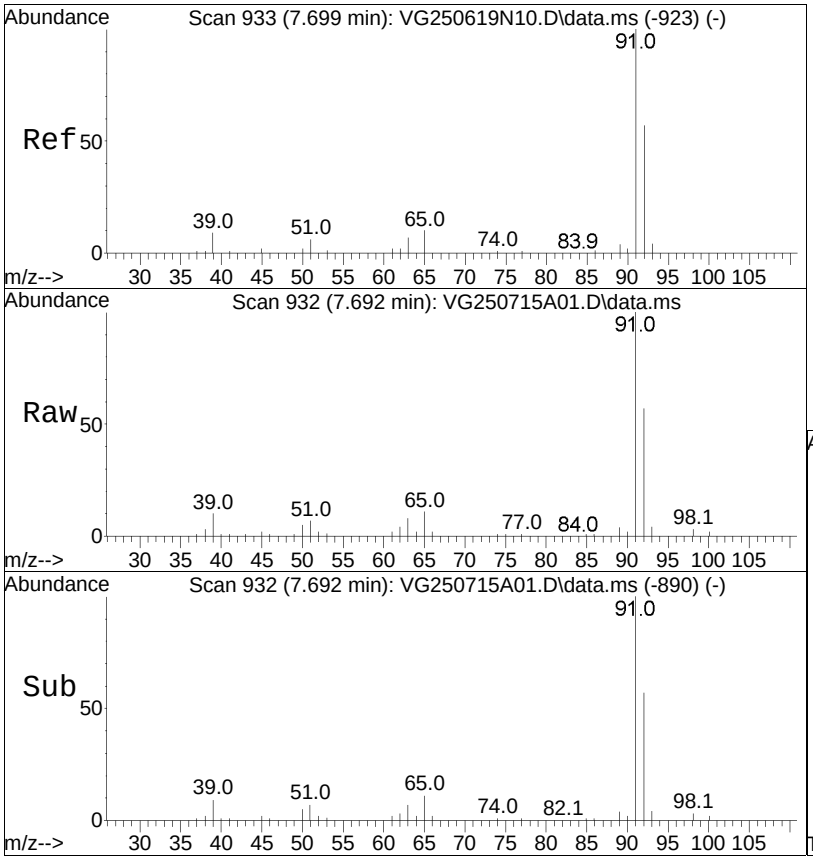


#58
cis-1,3-Dichloropropene
Concen: 9.82 ug/L
RT: 7.431 min Scan# 895
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 75 Resp: 241524

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.2	37.8
39	51.0	39.9	59.9

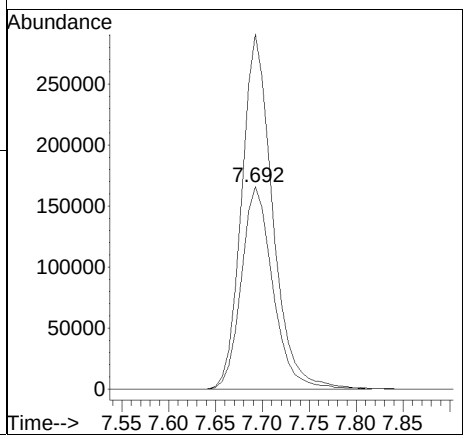


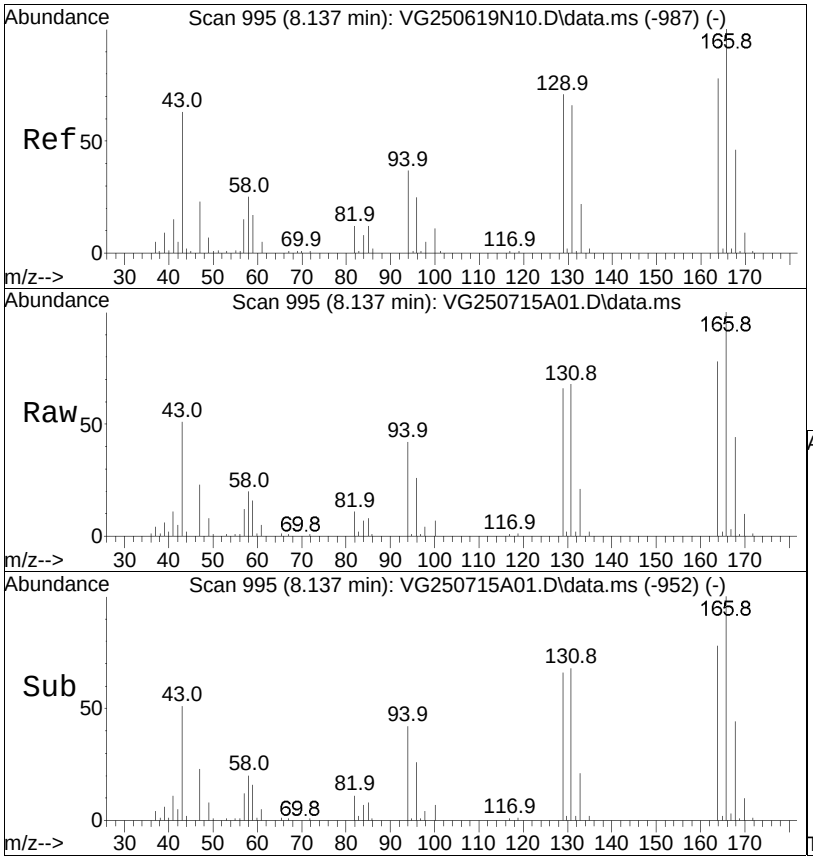


#61
Toluene
Concen: 10.64 ug/L
RT: 7.692 min Scan# 932
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 92 Resp: 391433

Ion	Ratio	Lower	Upper
92	100		
91	171.7	138.2	207.2

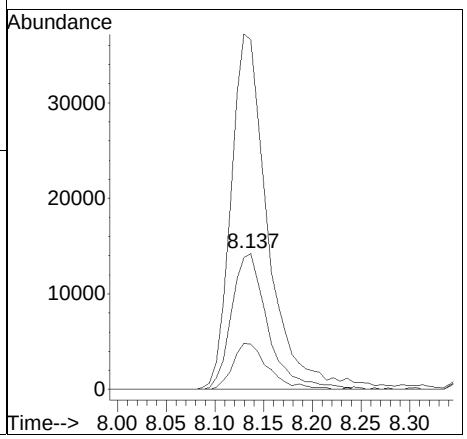


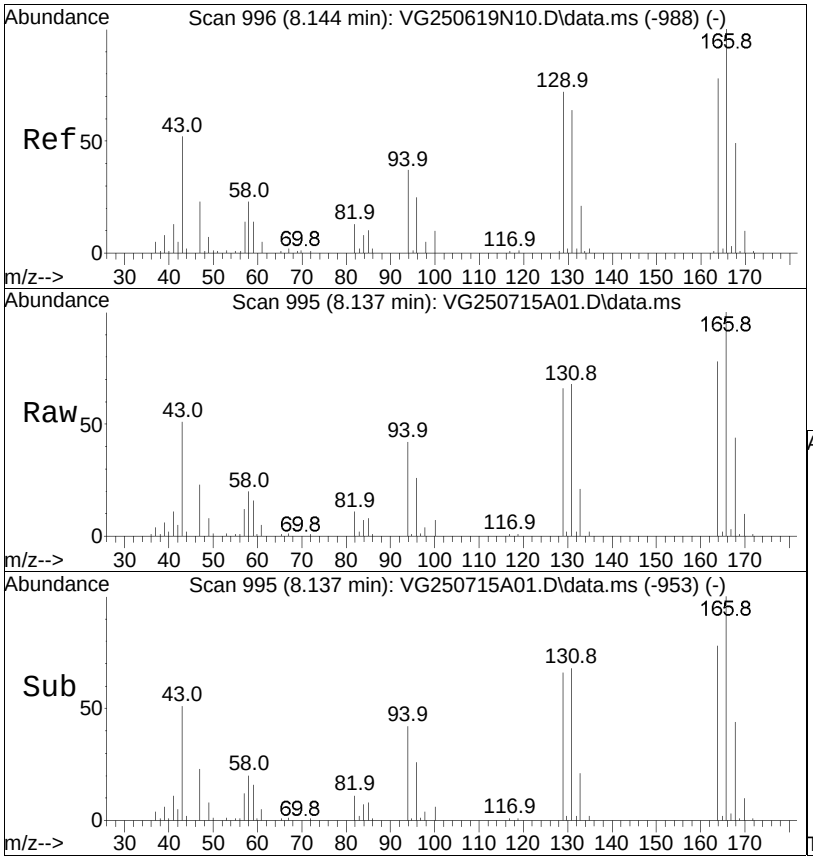


#62
4-Methyl-2-pentanone
Concen: 8.26 ug/L
RT: 8.137 min Scan# 995
Delta R.T. -0.000 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 58 Resp: 37091

Ion	Ratio	Lower	Upper
58	100		
100	33.1	33.9	50.9#
43	266.1	193.0	289.6

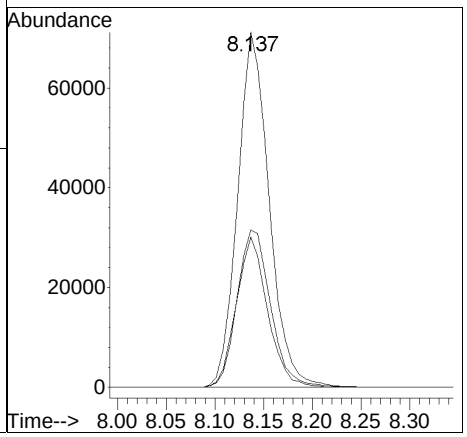


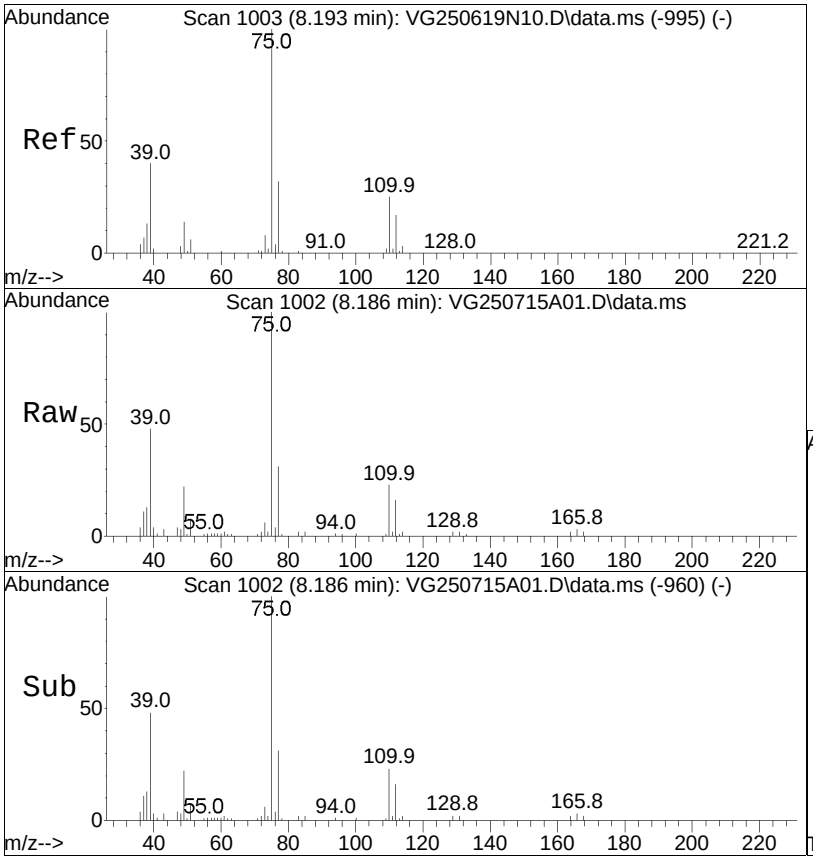


#63
Tetrachloroethene
Concen: 9.44 ug/L
RT: 8.137 min Scan# 995
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:166 Resp: 160672

Ion	Ratio	Lower	Upper
166	100		
168	47.1	27.6	67.6
94	42.0	16.7	56.7

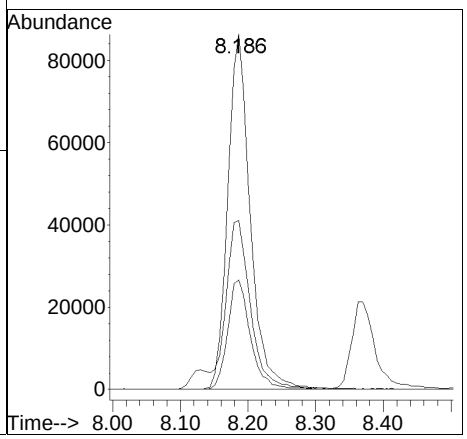


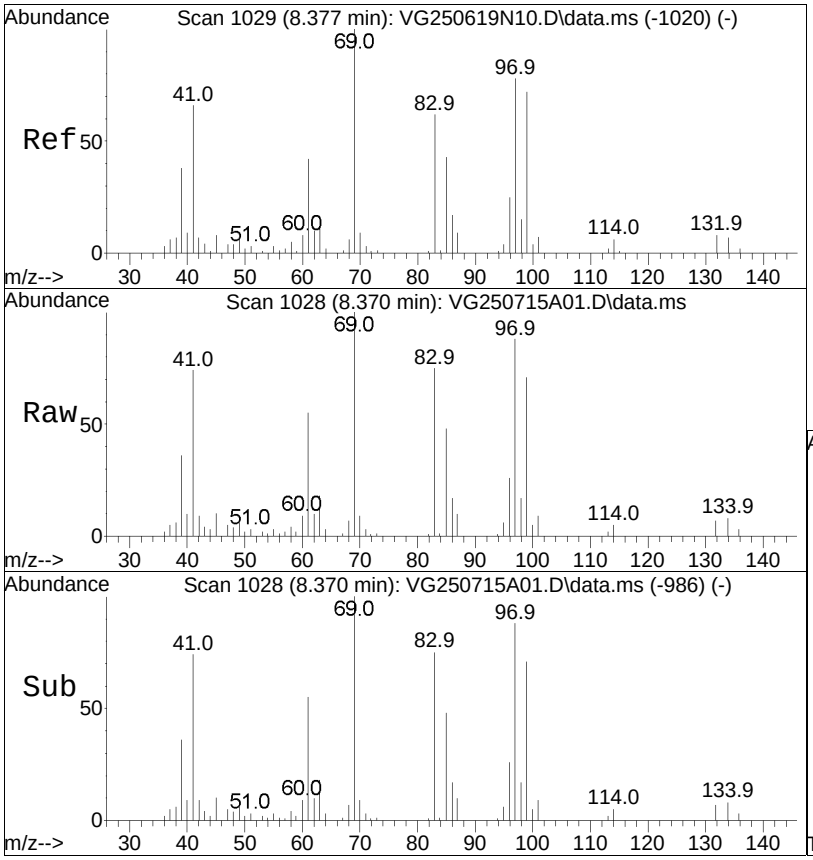


#65
trans-1,3-Dichloropropene
Concen: 9.45 ug/L
RT: 8.186 min Scan# 1002
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 75 Resp: 200492

Ion	Ratio	Lower	Upper
75	100		
77	31.1	11.5	51.5
39	51.5	27.6	67.6

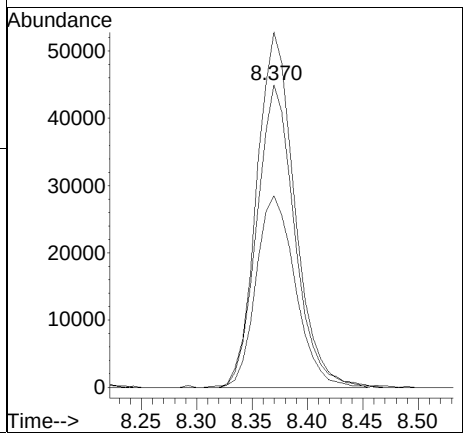


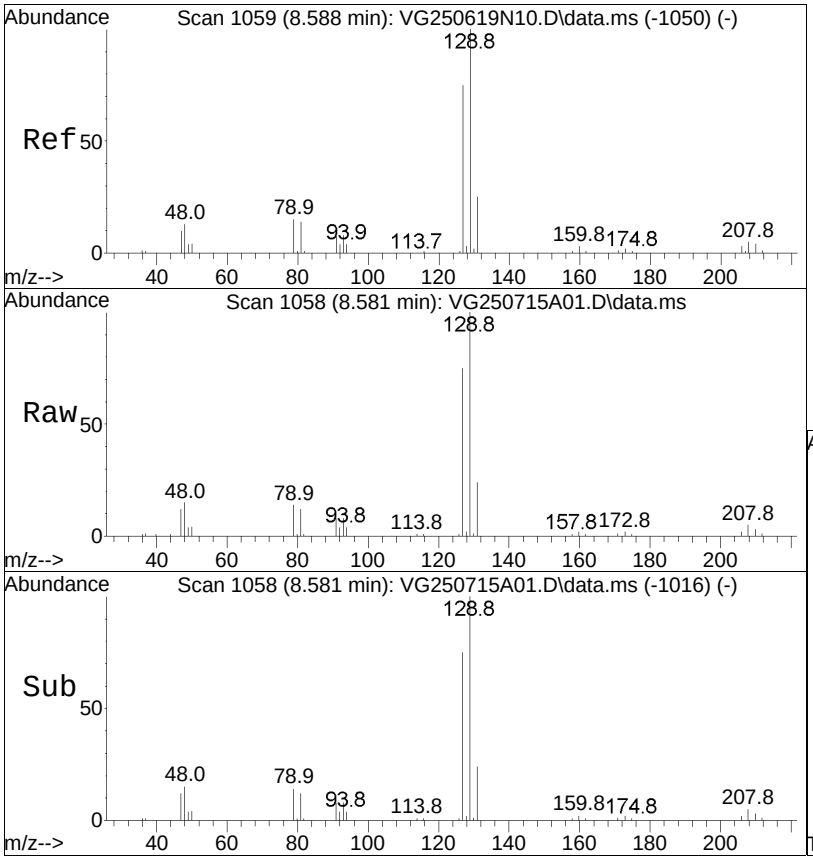


#68
1,1,2-Trichloroethane
Concen: 9.77 ug/L
RT: 8.370 min Scan# 1028
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 83 Resp: 106560

Ion	Ratio	Lower	Upper
83	100		
97	118.2	103.4	143.4
85	66.2	48.6	88.6

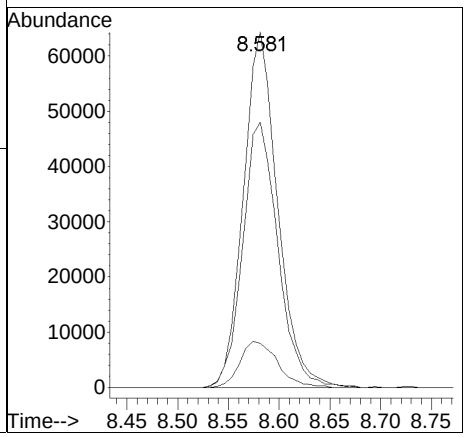


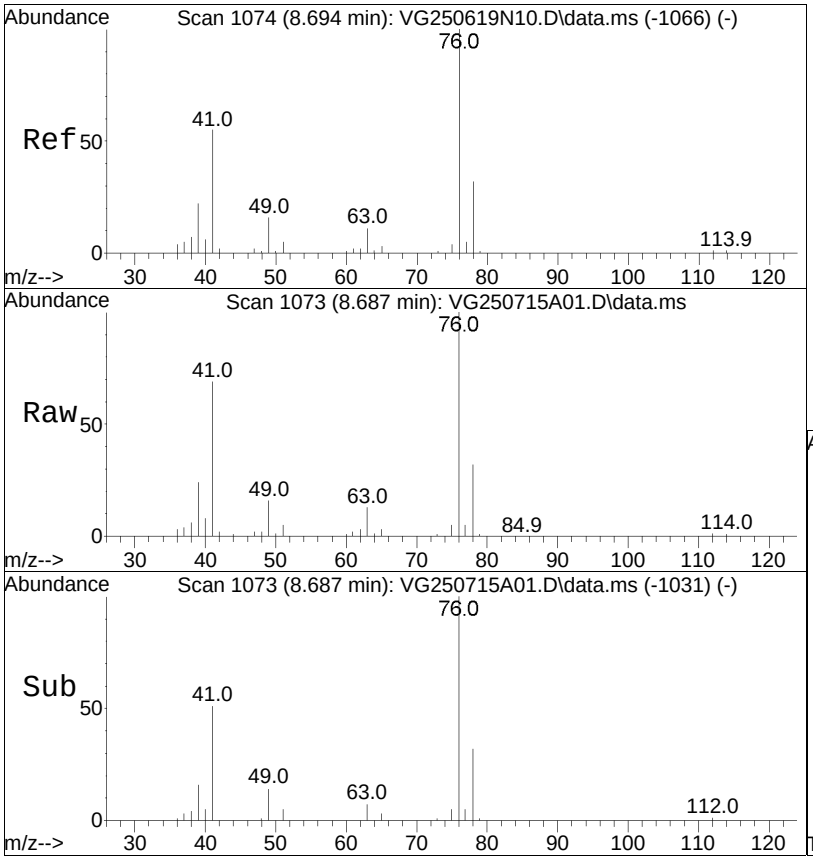


#69
Chlorodibromomethane
Concen: 8.67 ug/L
RT: 8.581 min Scan# 1058
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:129 Resp: 151230

Ion	Ratio	Lower	Upper
129	100		
81	14.2	0.0	34.8
127	76.7	57.0	97.0

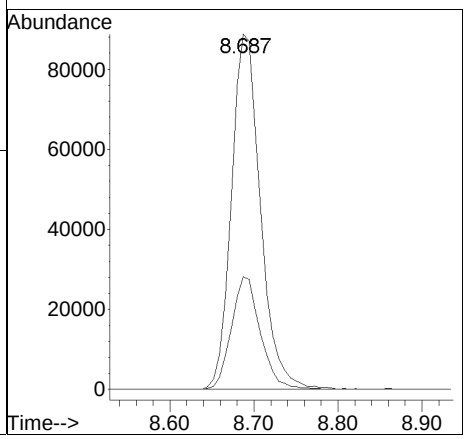


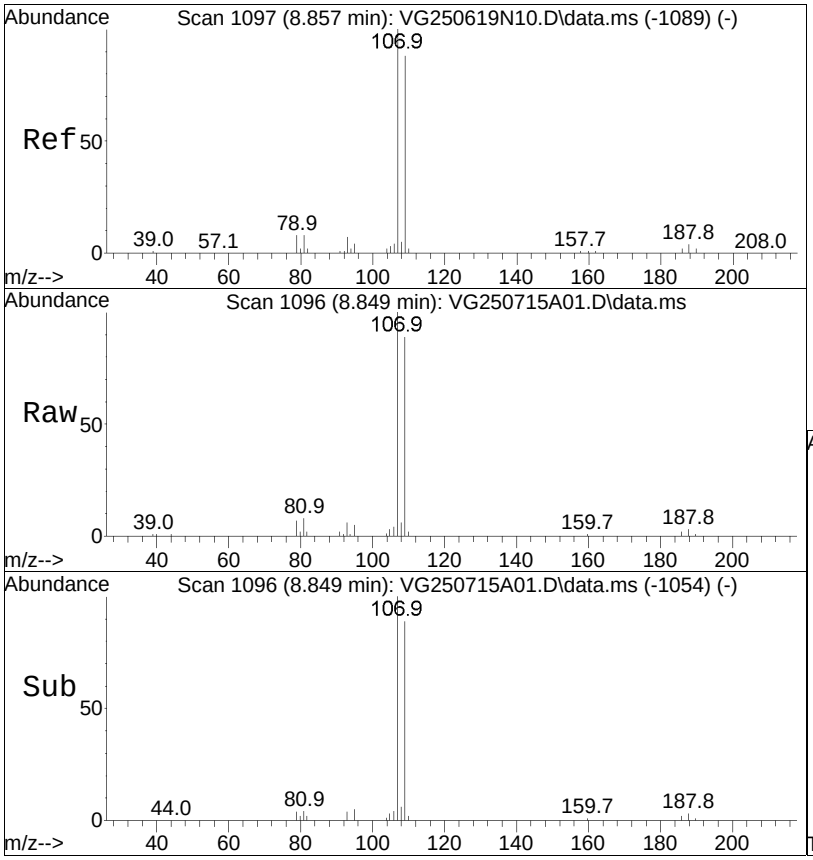


#70
1,3-Dichloropropane
Concen: 10.02 ug/L
RT: 8.687 min Scan# 1073
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 76 Resp: 212994

Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.3	37.9

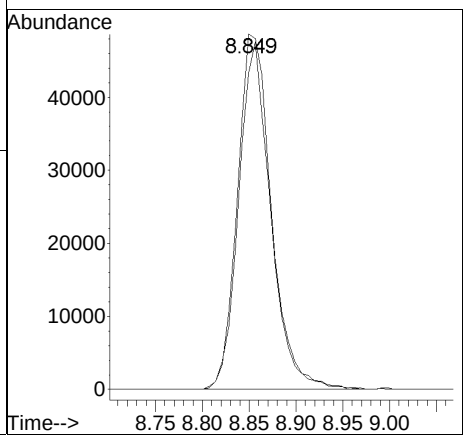


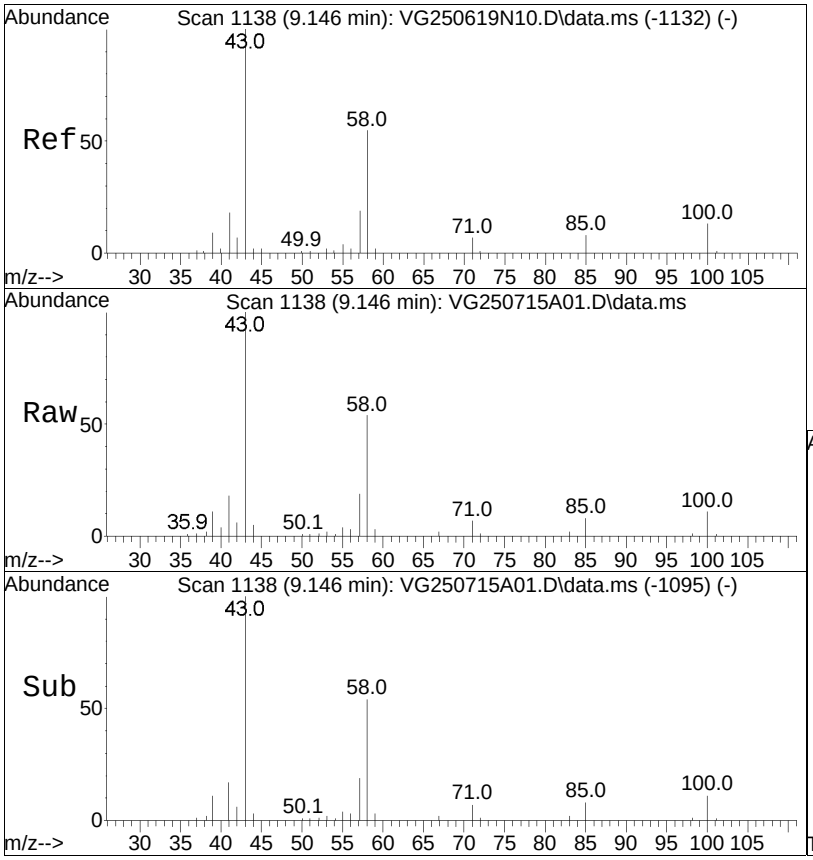


#71
1,2-Dibromoethane
Concen: 8.87 ug/L
RT: 8.849 min Scan# 1096
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:107 Resp: 123003

Ion	Ratio	Lower	Upper
107	100		
109	92.1	74.6	111.8

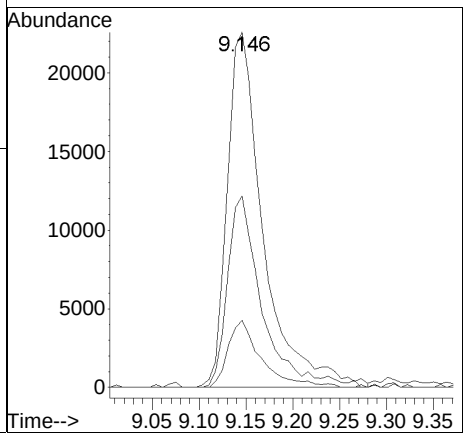


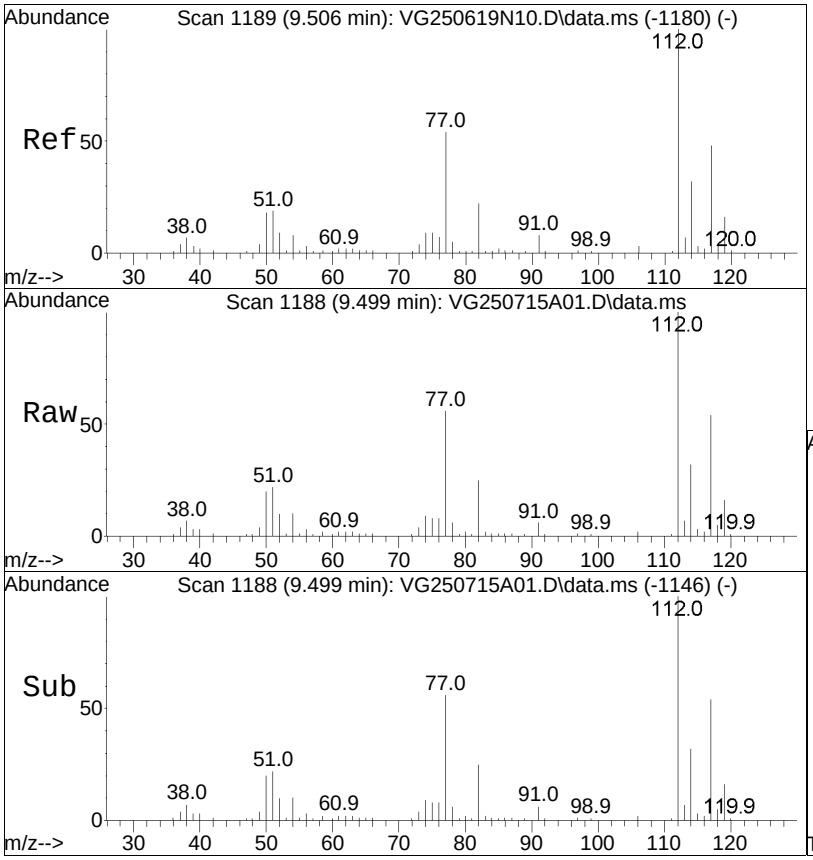


#72
2-Hexanone
Concen: 8.14 ug/L
RT: 9.146 min Scan# 1138
Delta R.T. -0.000 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 43 Resp: 60671

Ion	Ratio	Lower	Upper
43	100		
58	51.4	44.0	66.0
57	17.5	15.7	23.5

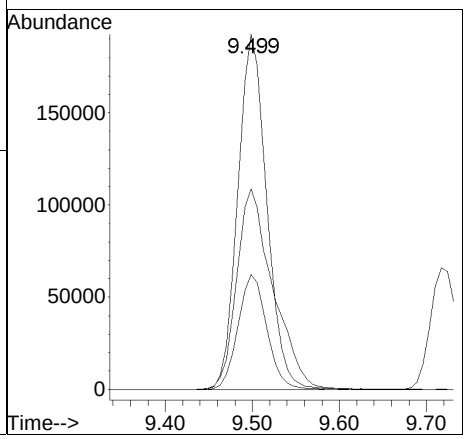


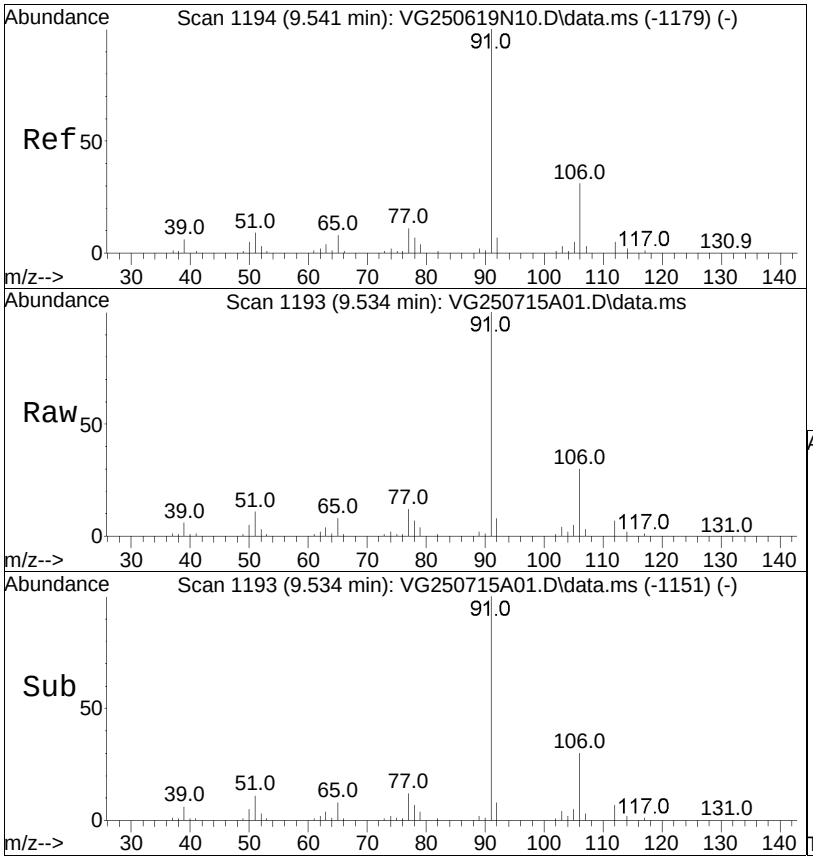


#73
Chlorobenzene
Concen: 10.22 ug/L
RT: 9.499 min Scan# 1188
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:112 Resp: 445201

Ion	Ratio	Lower	Upper
112	100		
77	70.9	53.5	80.3
114	32.1	25.8	38.6

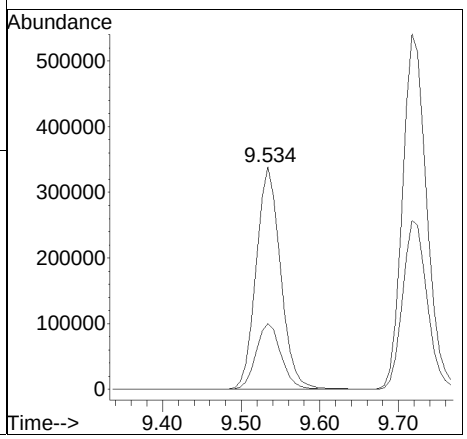


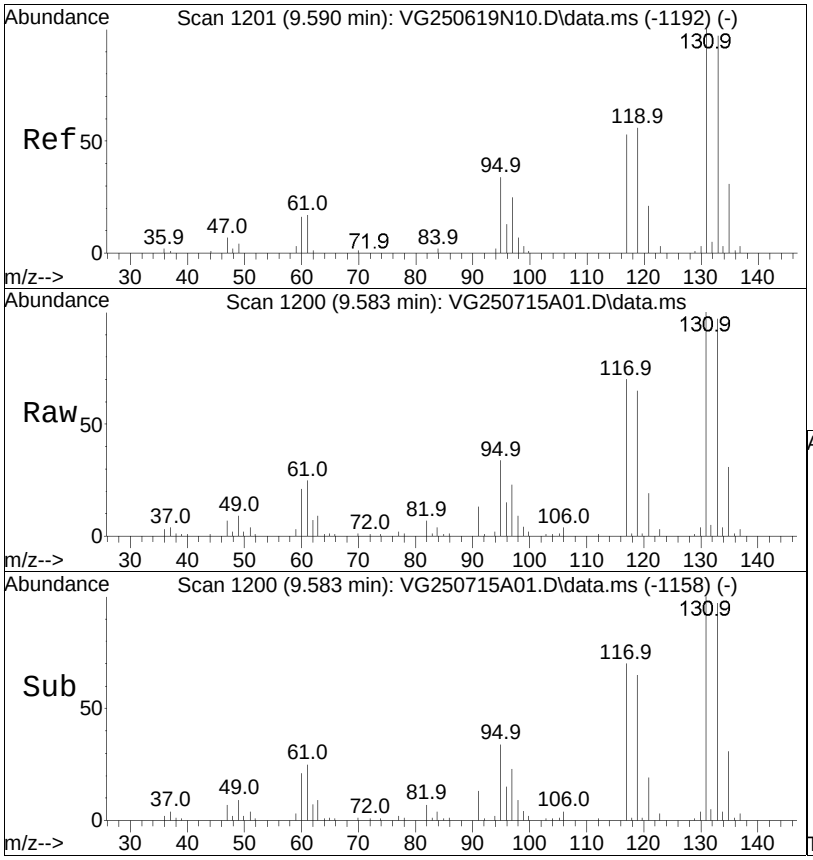


#74
Ethylbenzene
Concen: 10.43 ug/L
RT: 9.534 min Scan# 1193
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 91 Resp: 734493

Ion	Ratio	Lower	Upper
91	100		
106	30.3	25.0	37.6

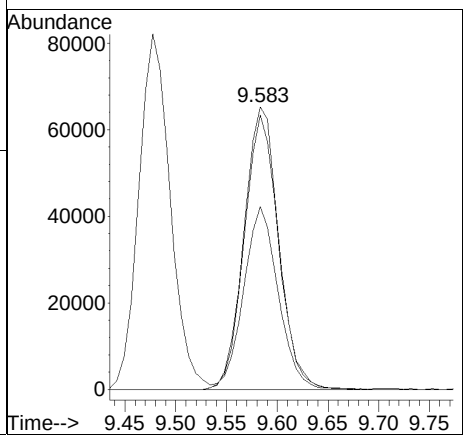


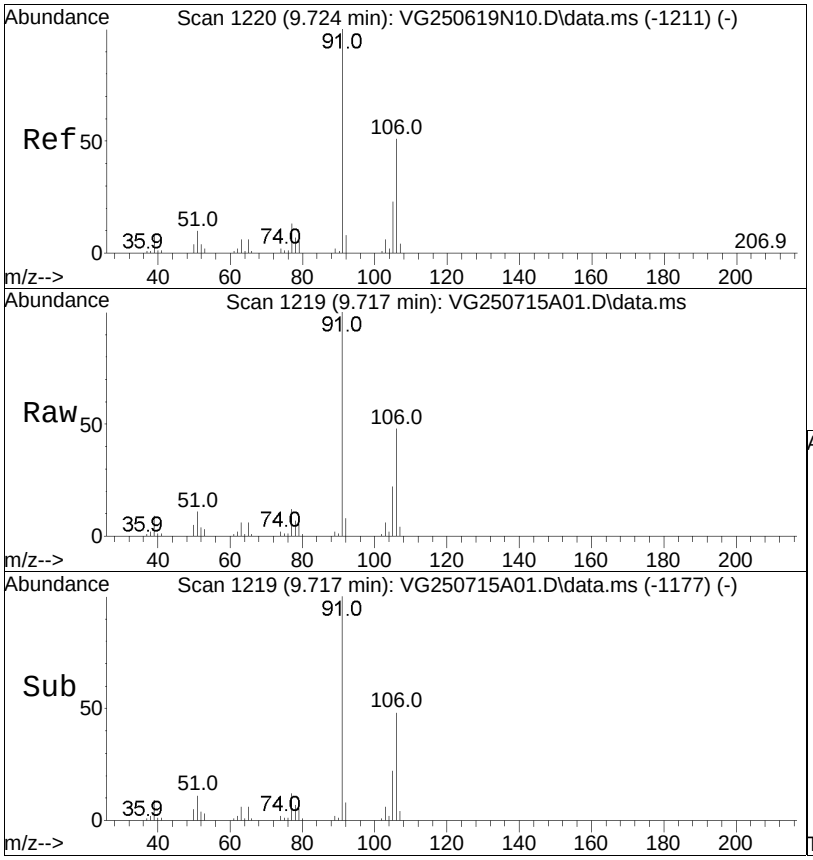


#75
1,1,1,2-Tetrachloroethane
Concen: 9.30 ug/L
RT: 9.583 min Scan# 1200
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:131 Resp: 155794

Ion	Ratio	Lower	Upper
131	100		
133	95.6	76.7	116.7
119	64.1	41.9	81.9

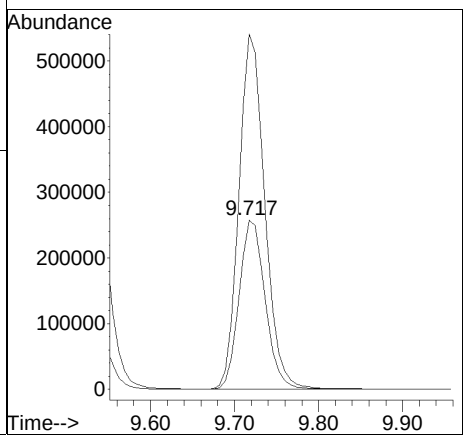


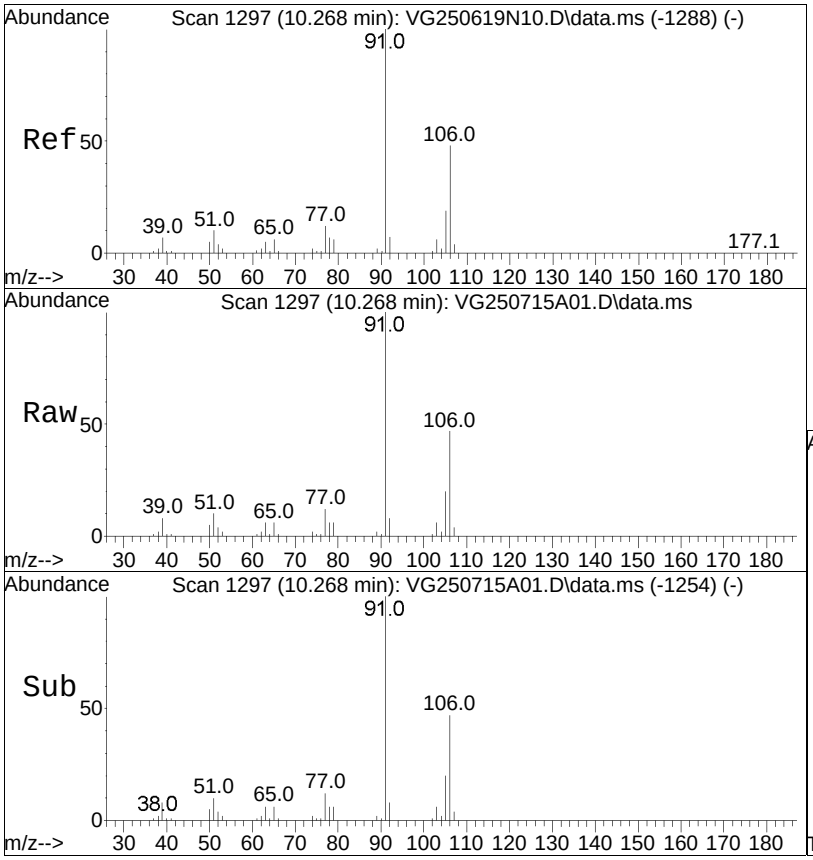


#76
p/m Xylene
Concen: 19.84 ug/L
RT: 9.717 min Scan# 1219
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:106 Resp: 556376

Ion	Ratio	Lower	Upper
106	100		
91	208.3	154.8	232.2

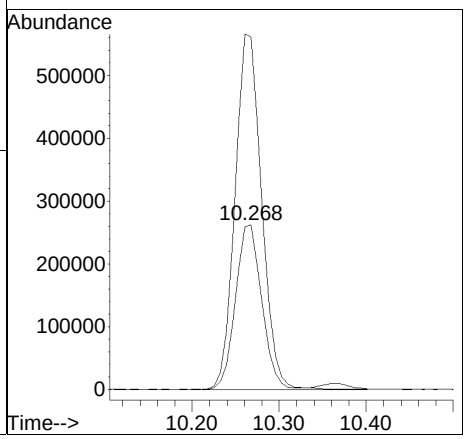


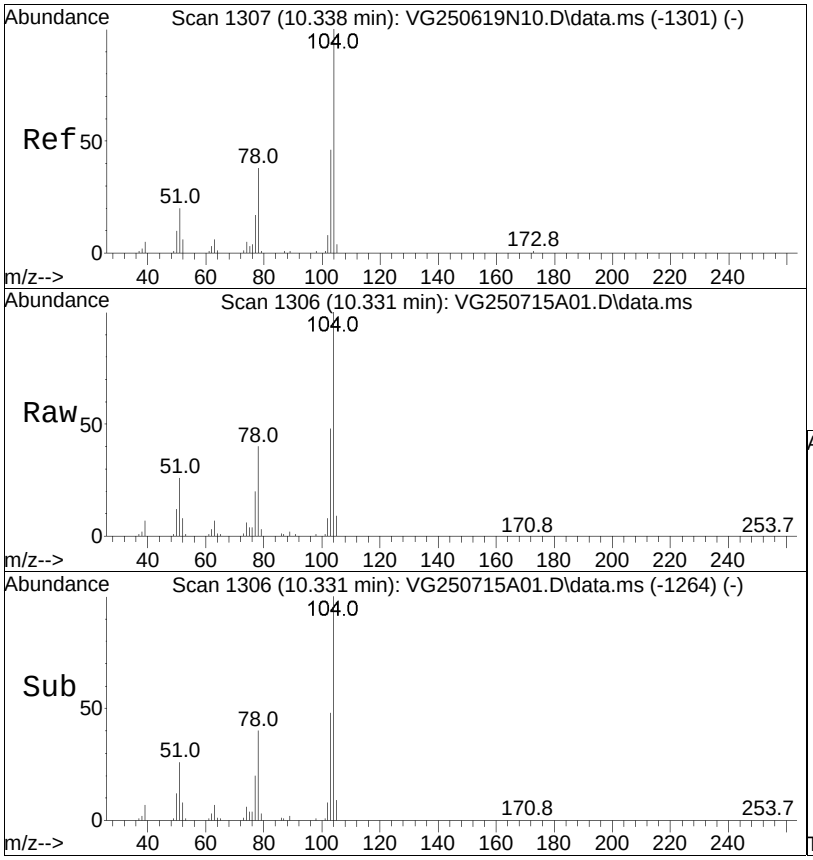


#77
o Xylene
Concen: 19.65 ug/L
RT: 10.268 min Scan# 1297
Delta R.T. -0.000 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:106 Resp: 552573

Ion	Ratio	Lower	Upper
106	100		
91	216.2	166.0	249.0

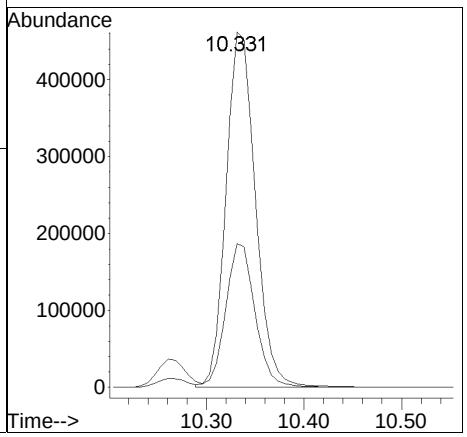


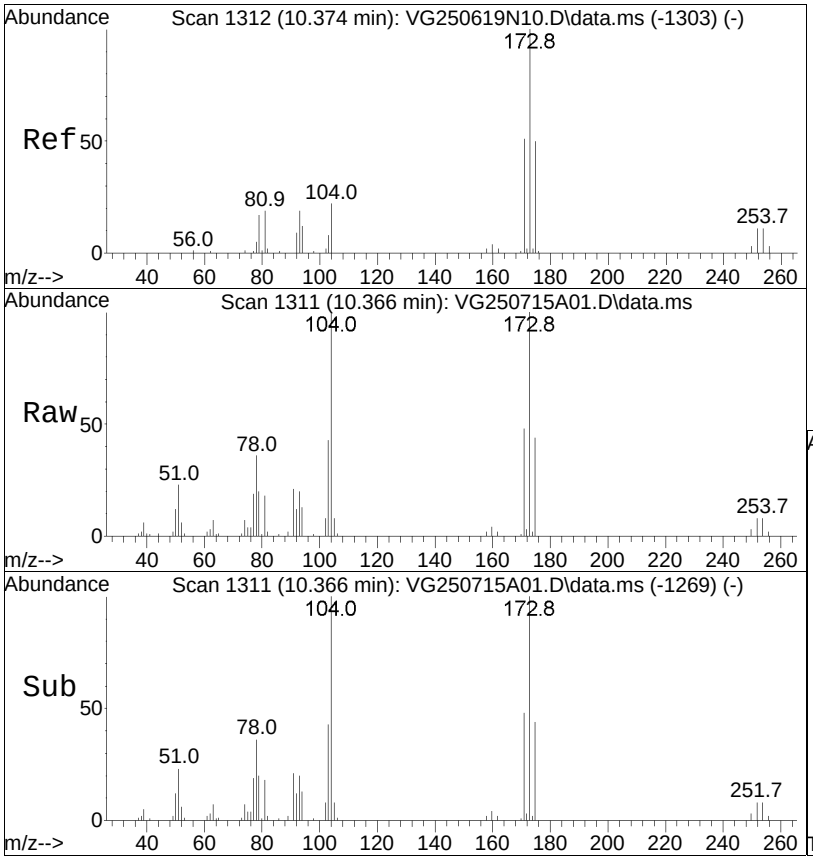


#78
Styrene
Concen: 20.04 ug/L
RT: 10.331 min Scan# 1306
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:104 Resp: 967206

Ion	Ratio	Lower	Upper
104	100		
78	40.2	31.4	47.2

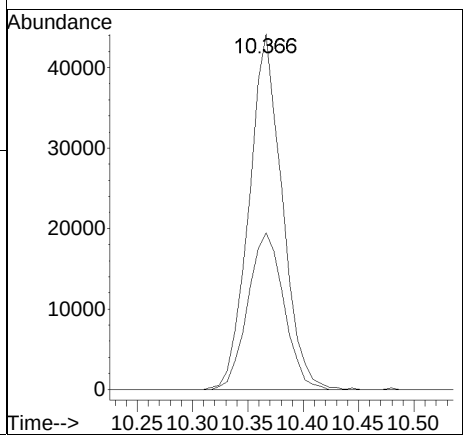


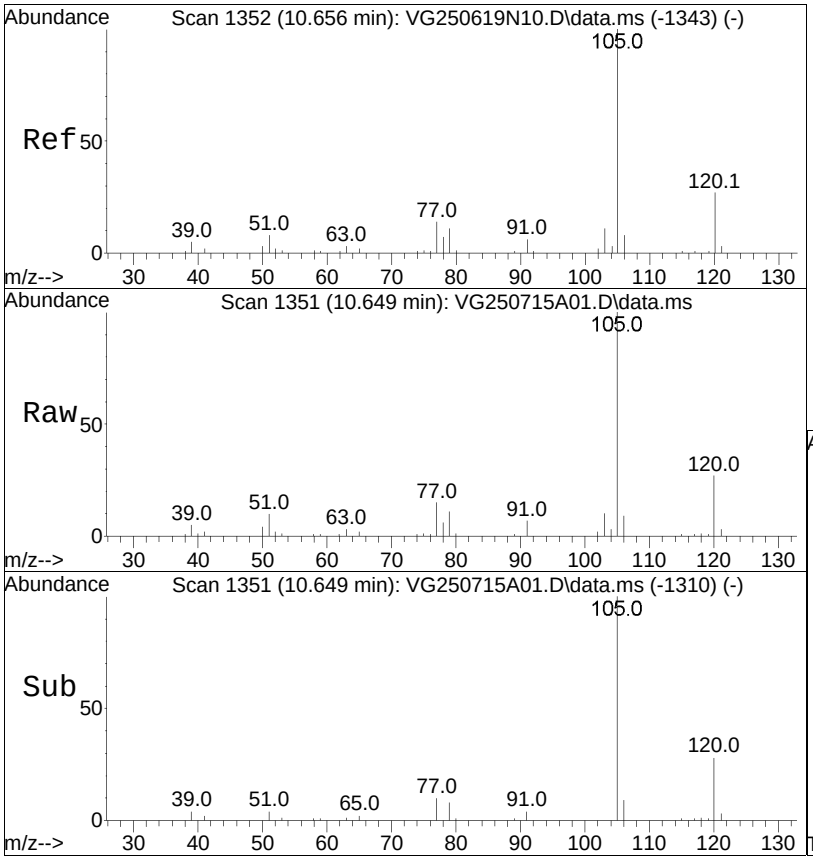


#80
Bromoform
Concen: 7.86 ug/L
RT: 10.366 min Scan# 1311
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:173 Resp: 91957

Ion	Ratio	Lower	Upper
173	100		
175	47.8	28.8	68.8

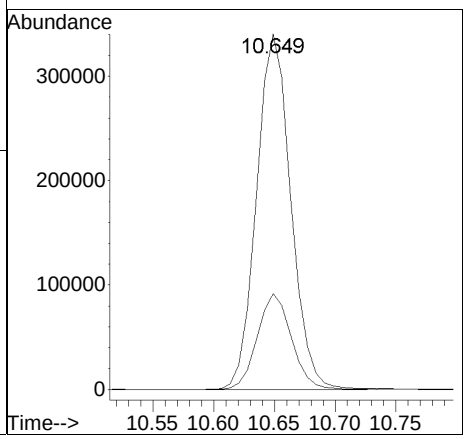


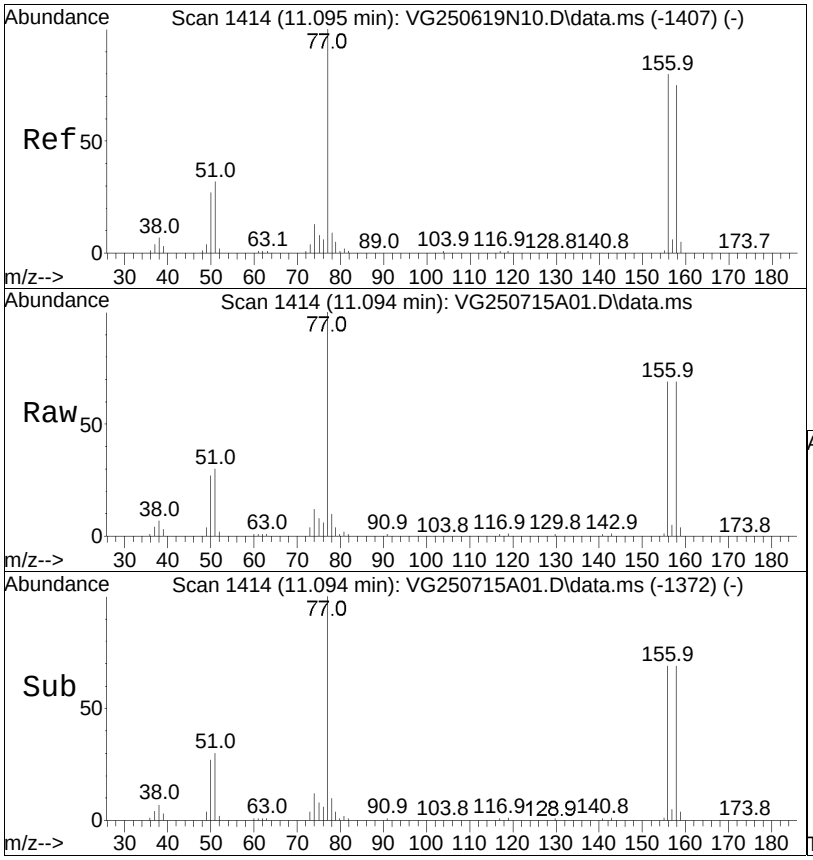


#82
Isopropylbenzene
Concen: 10.52 ug/L
RT: 10.649 min Scan# 1351
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:105 Resp: 667153

Ion	Ratio	Lower	Upper
105	100		
120	26.8	7.6	47.6

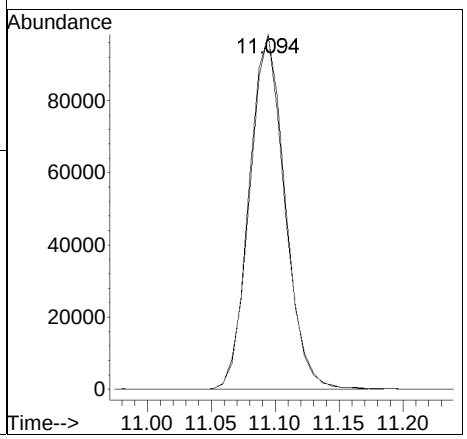


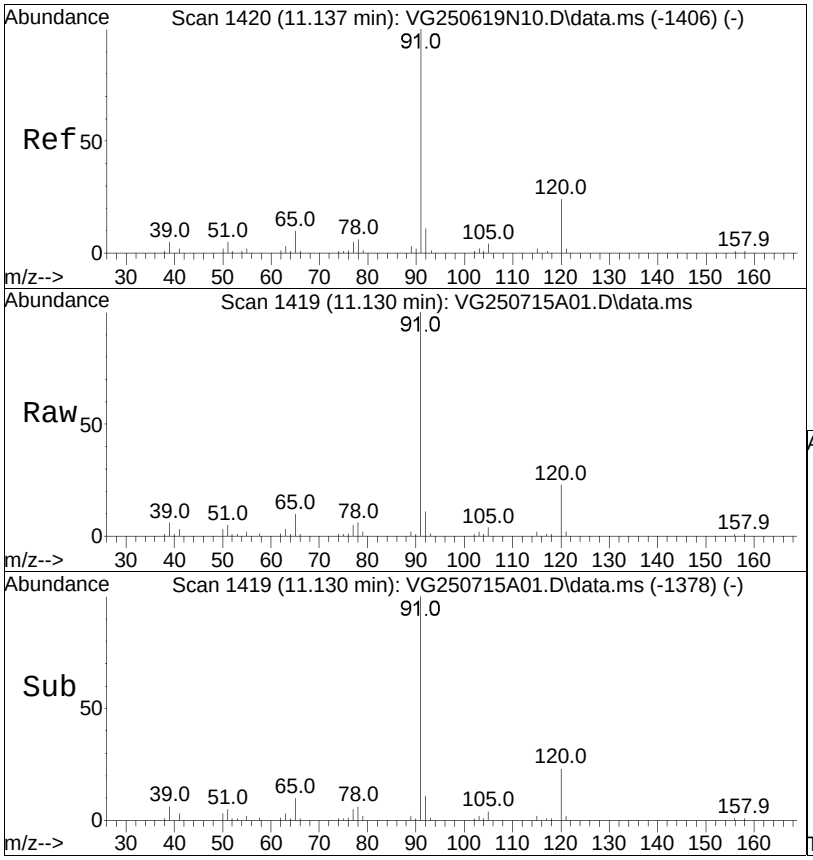


#84
Bromobenzene
Concen: 9.92 ug/L
RT: 11.094 min Scan# 1414
Delta R.T. -0.000 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:156 Resp: 192596

Ion	Ratio	Lower	Upper
156	100		
158	97.2	78.2	117.2

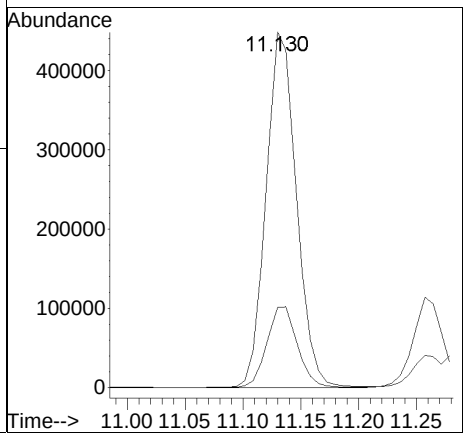


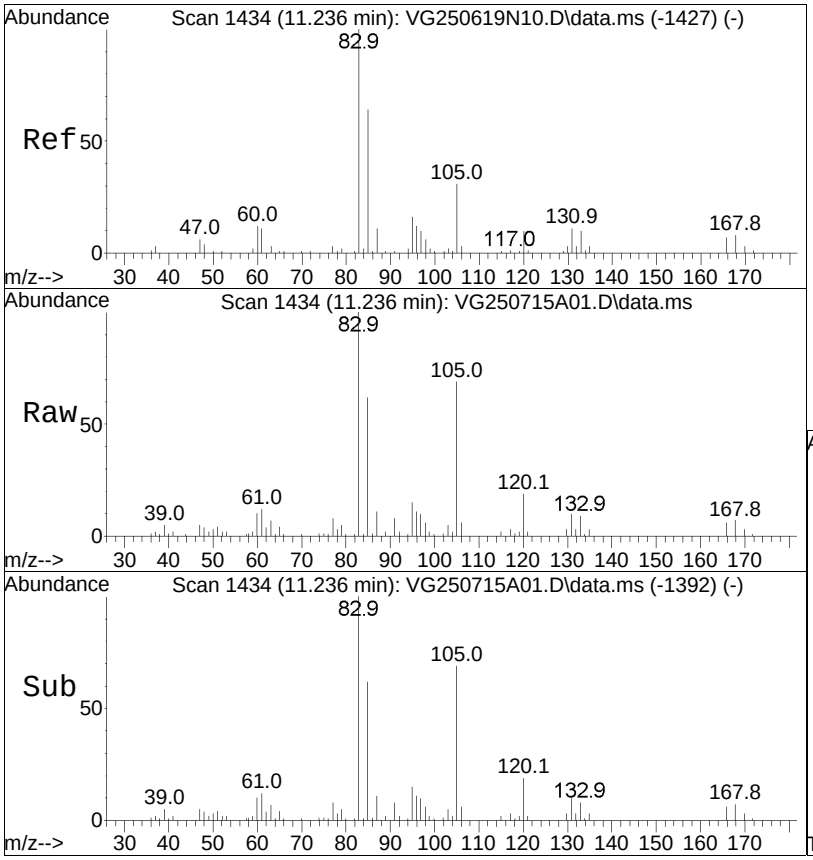


#85
n-Propylbenzene
Concen: 11.28 ug/L
RT: 11.130 min Scan# 1419
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 91 Resp: 817796

Ion	Ratio	Lower	Upper
91	100		
120	22.8	19.4	29.2

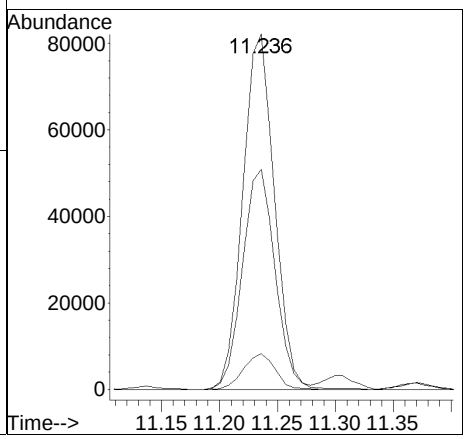


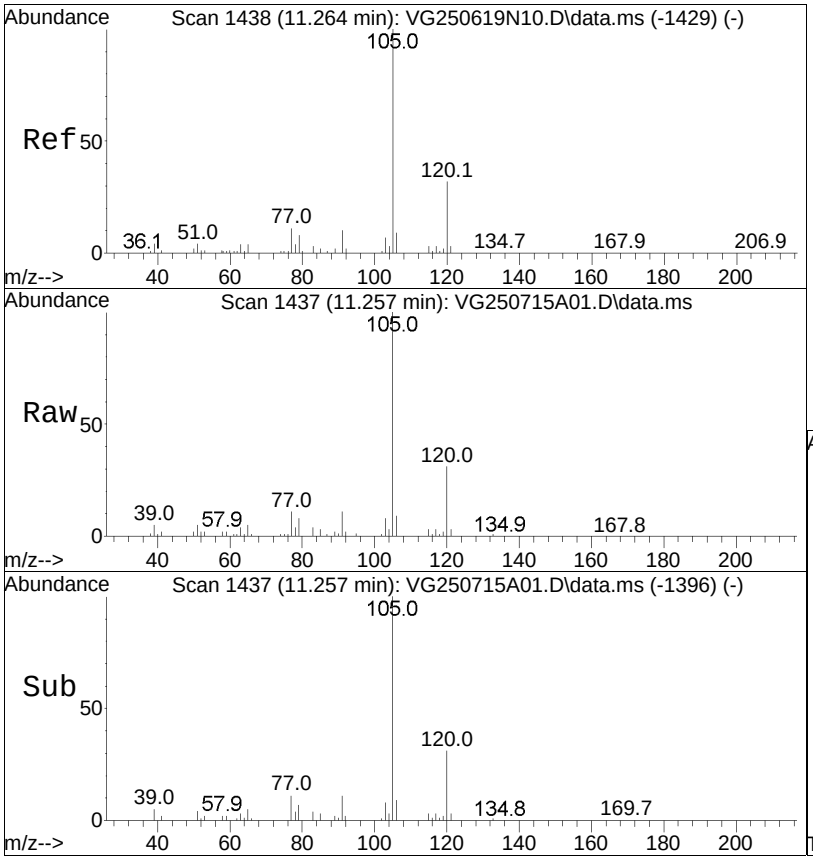


#87
1,1,2,2-Tetrachloroethane
Concen: 9.53 ug/L
RT: 11.236 min Scan# 1434
Delta R.T. -0.000 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 83 Resp: 156261

Ion	Ratio	Lower	Upper
83	100		
131	10.0	0.0	31.5
85	63.7	44.6	84.6

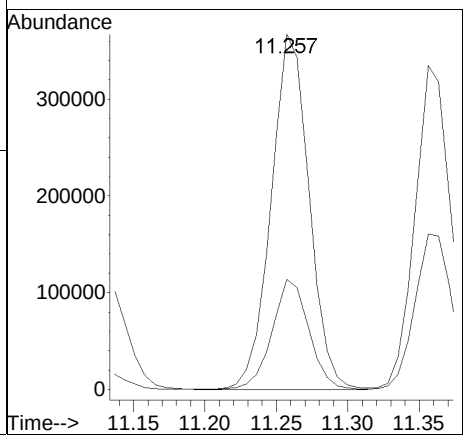


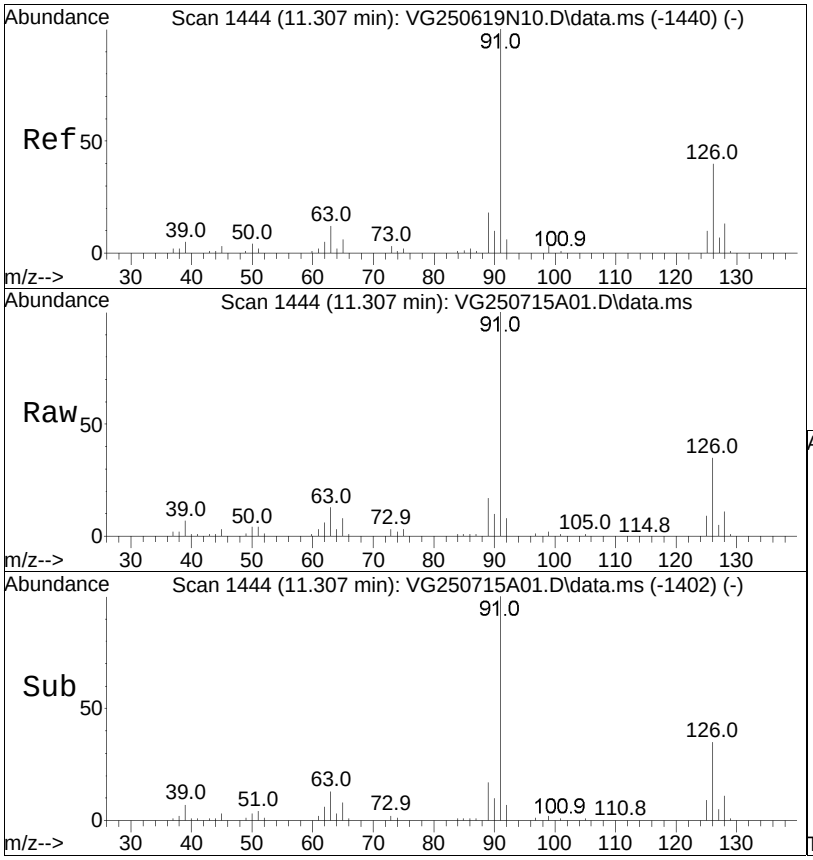


#88
4-Ethyltoluene
Concen: 10.84 ug/L
RT: 11.257 min Scan# 1437
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:105 Resp: 678315

Ion	Ratio	Lower	Upper
105	100		
120	30.1	20.4	42.4

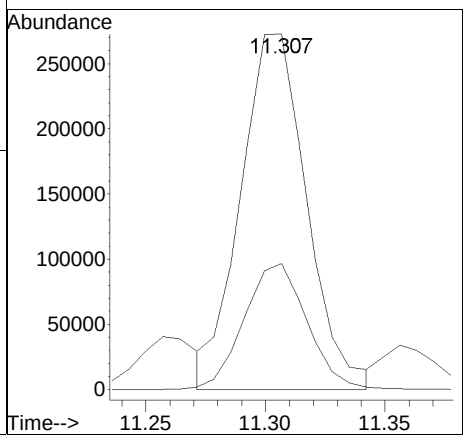


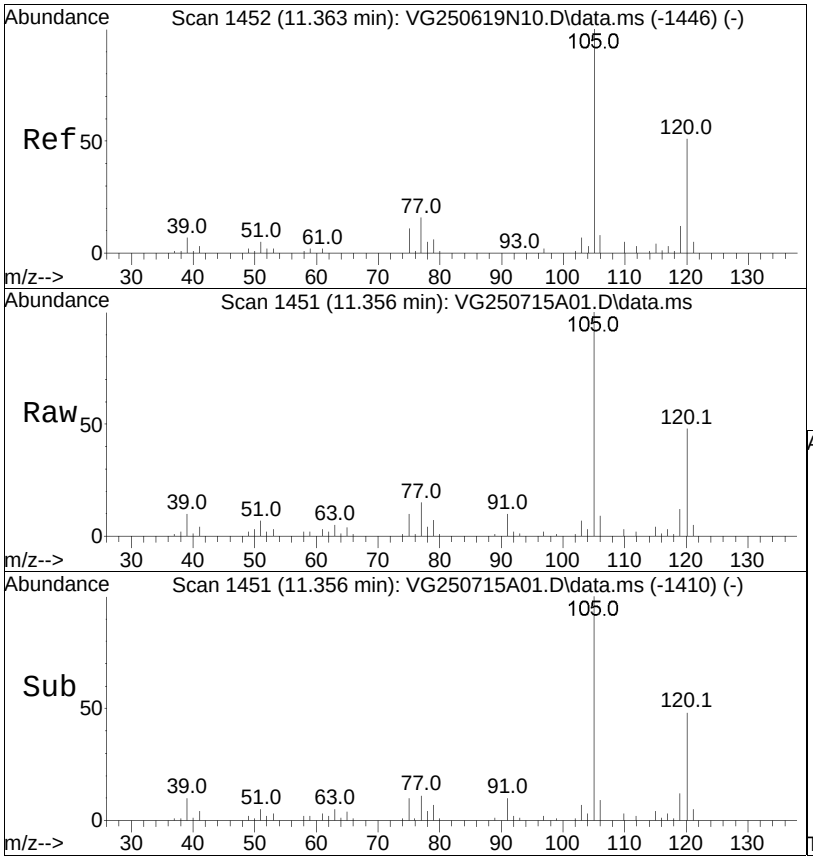


#89
2-Chlorotoluene
Concen: 11.49 ug/L M1
RT: 11.307 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 91 Resp: 523789

Ion	Ratio	Lower	Upper
91	100		
126	33.7	29.8	44.8

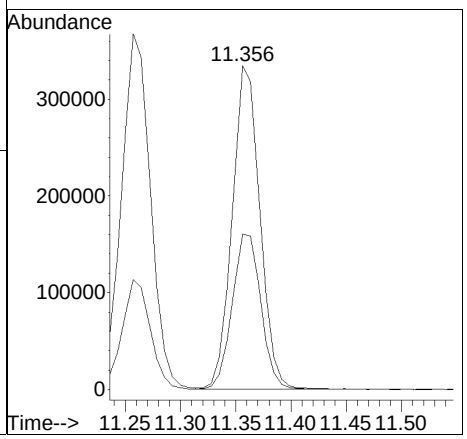


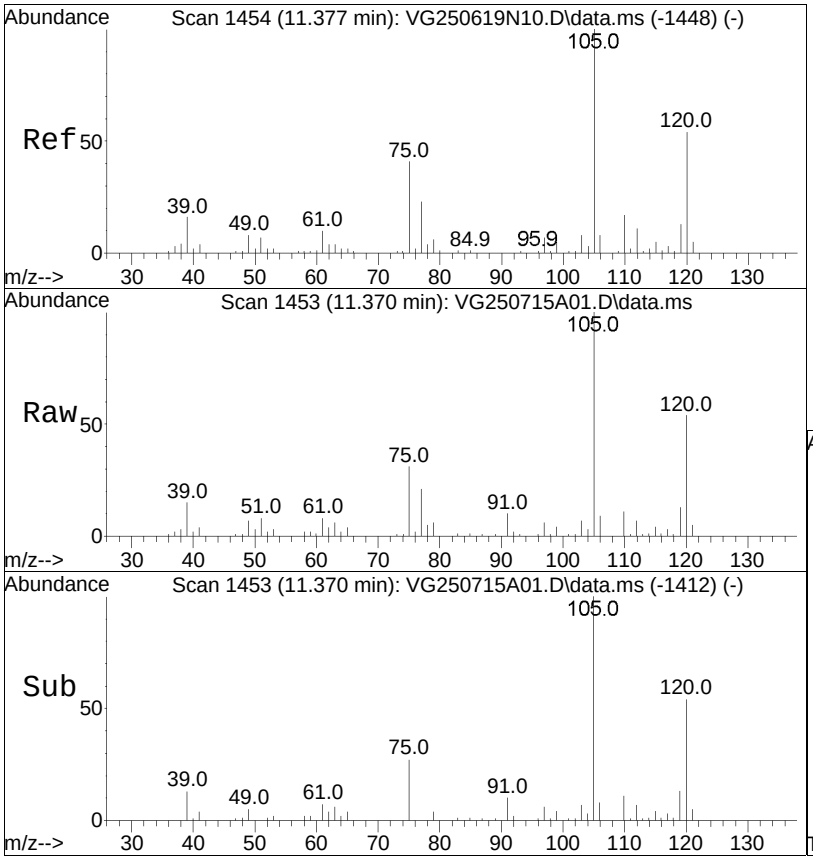


#90
1,3,5-Trimethylbenzene
Concen: 10.68 ug/L
RT: 11.356 min Scan# 1451
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:105 Resp: 582059

Ion	Ratio	Lower	Upper
105	100		
120	50.0	40.7	61.1

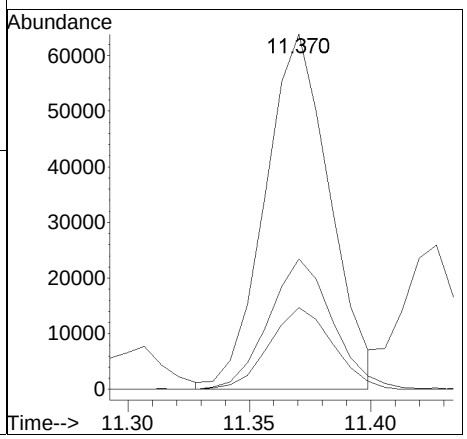


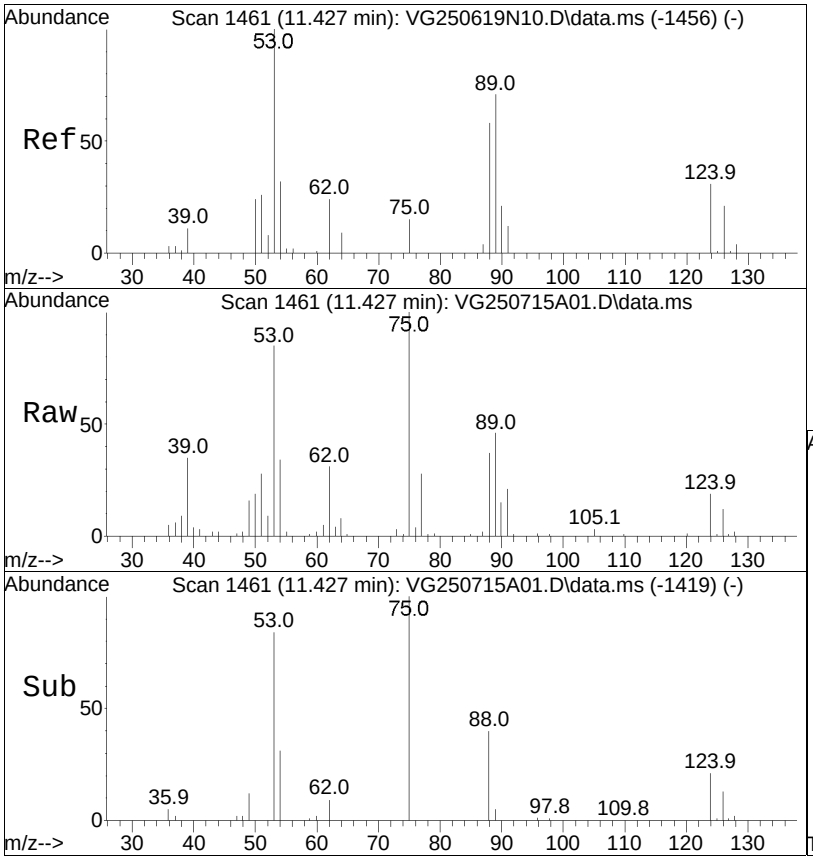


#91
1,2,3-Trichloropropane
Concen: 9.49 ug/L
RT: 11.370 min Scan# 1453
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 75 Resp: 118328

Ion	Ratio	Lower	Upper
75	100		
110	36.4	25.0	51.8
112	22.7	16.8	34.8

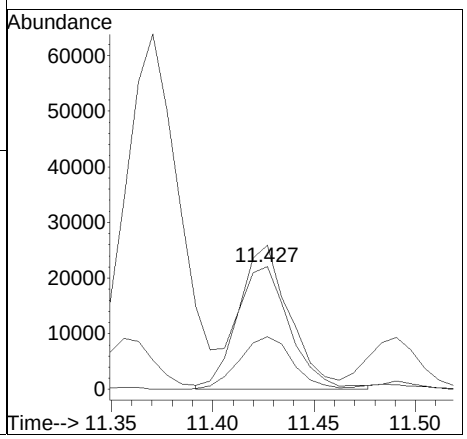


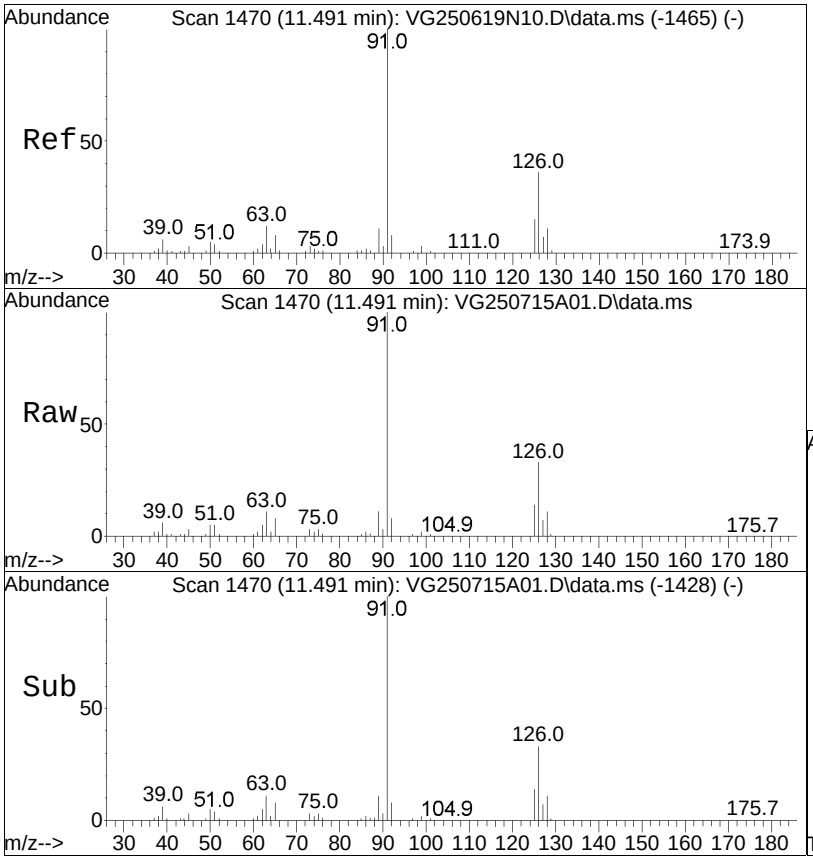


#92
trans-1,4-Dichloro-2-butene
Concen: 8.86 ug/L
RT: 11.427 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 53 Resp: 40565

Ion	Ratio	Lower	Upper
53	100		
88	42.9	44.8	67.2#
75	112.4	108.5	162.7

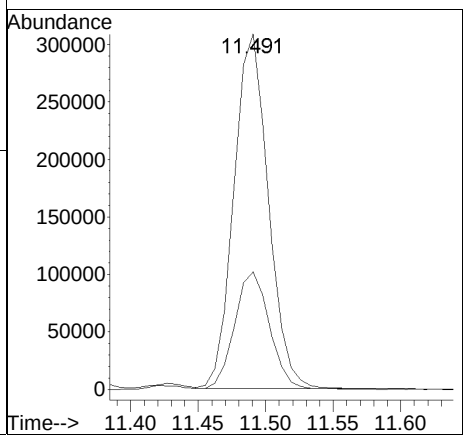


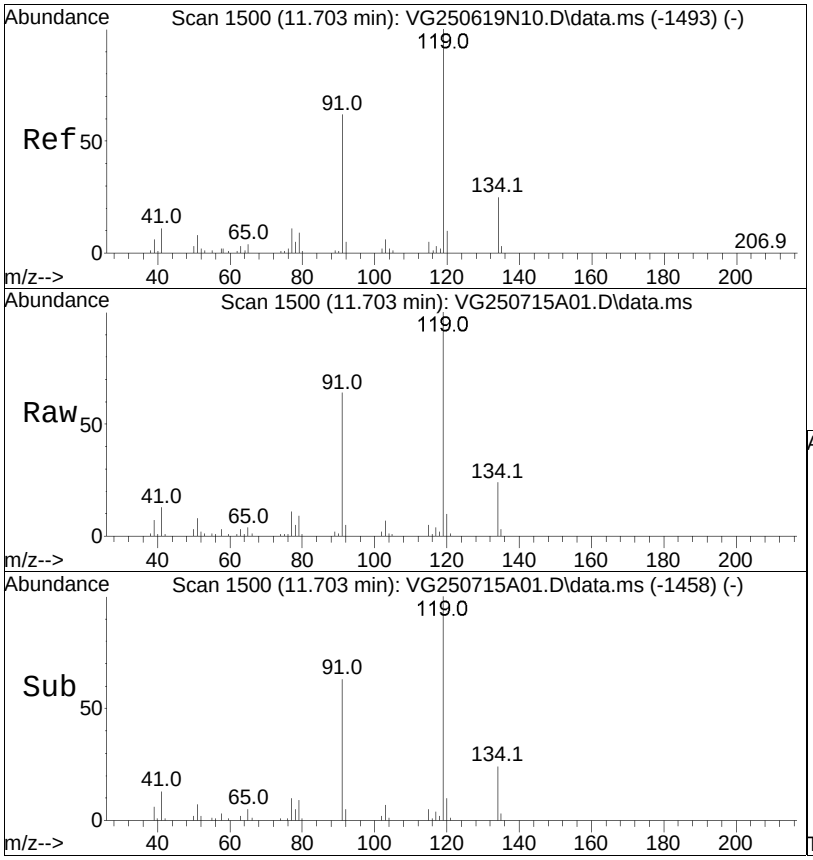


#93
4-Chlorotoluene
Concen: 11.44 ug/L
RT: 11.491 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 91 Resp: 548233

Ion	Ratio	Lower	Upper
91	100		
126	33.7	29.9	44.9

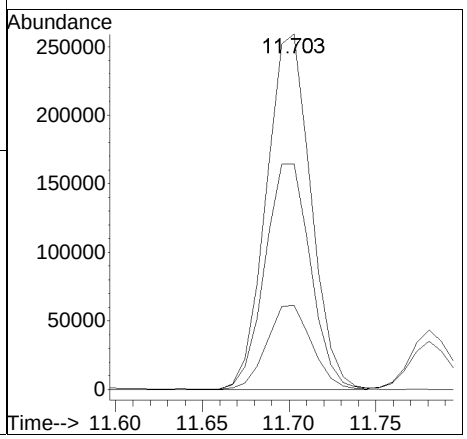


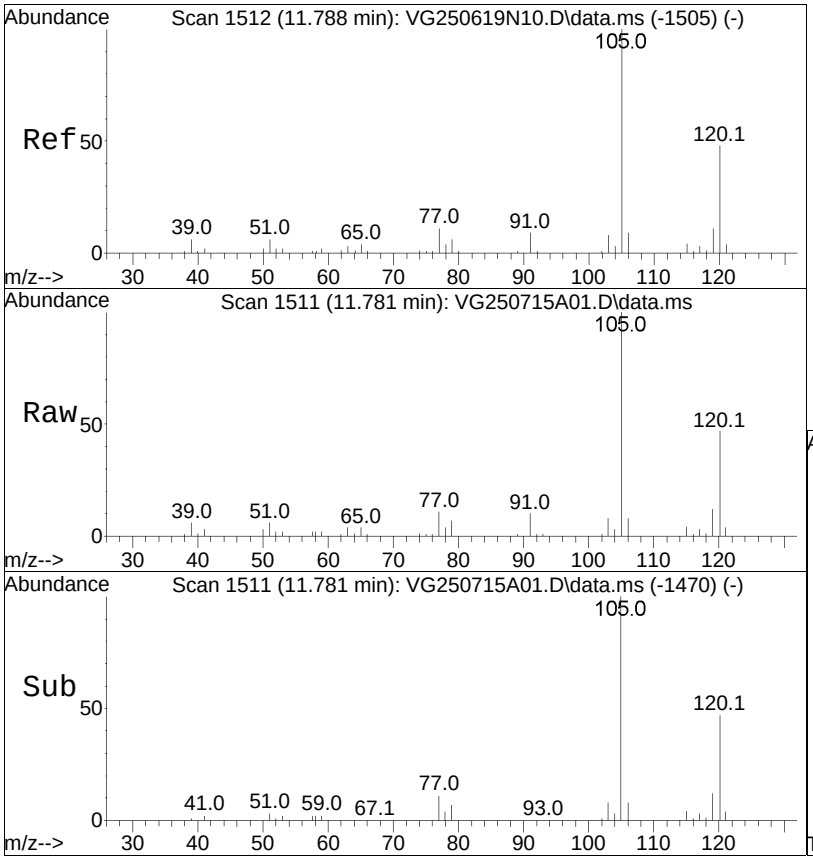


#94
tert-Butylbenzene
Concen: 10.23 ug/L
RT: 11.703 min Scan# 1500
Delta R.T. -0.000 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:119 Resp: 463031

Ion	Ratio	Lower	Upper
119	100		
91	64.7	50.2	75.2
134	23.9	20.2	30.2

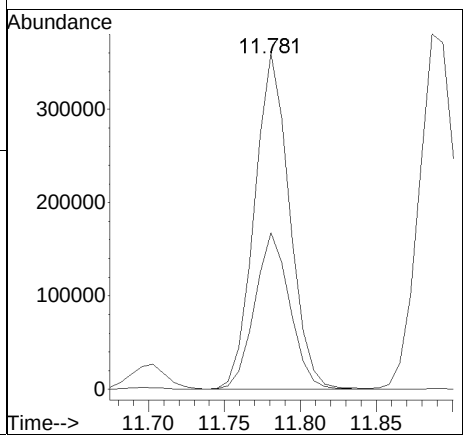


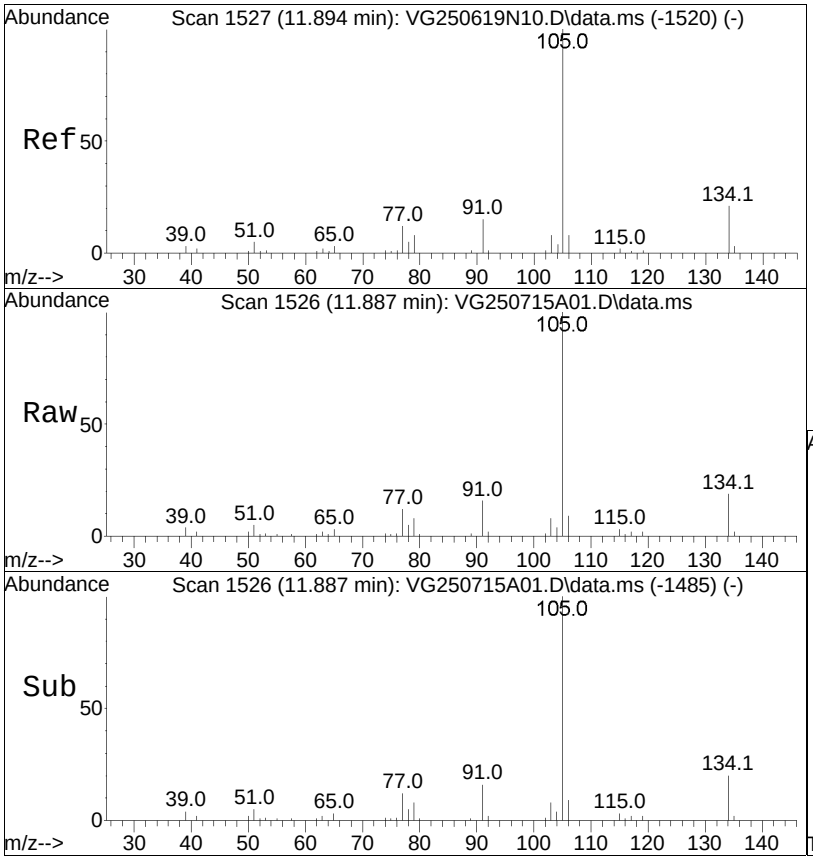


#97
1,2,4-Trimethylbenzene
Concen: 10.65 ug/L
RT: 11.781 min Scan# 1511
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:105 Resp: 579315

Ion	Ratio	Lower	Upper
105	100		
120	46.4	38.2	57.2

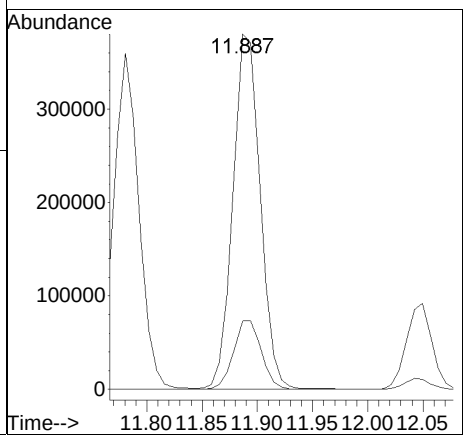


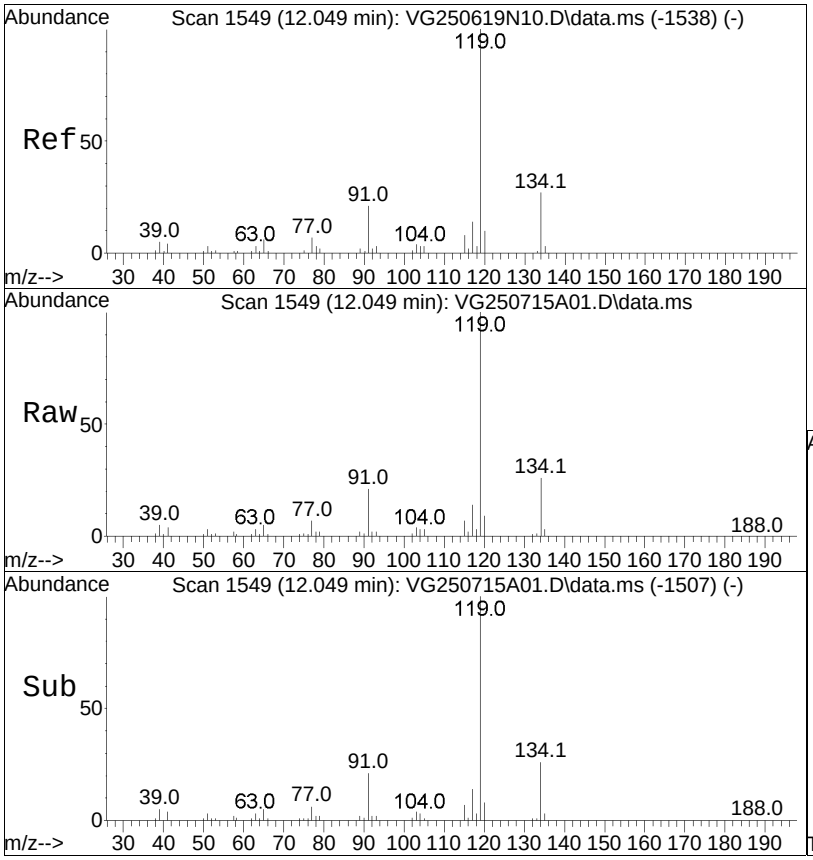


#98
sec-Butylbenzene
Concen: 10.61 ug/L
RT: 11.887 min Scan# 1526
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:105 Resp: 655097

Ion	Ratio	Lower	Upper
105	100		
134	19.7	13.7	28.5

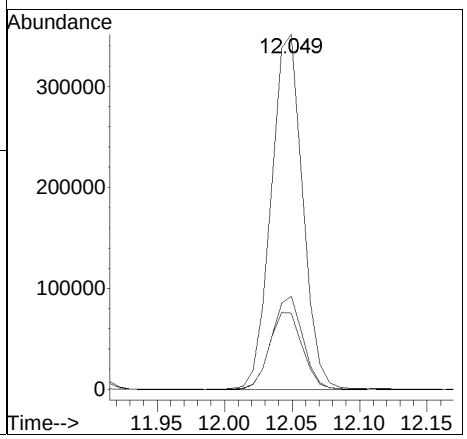


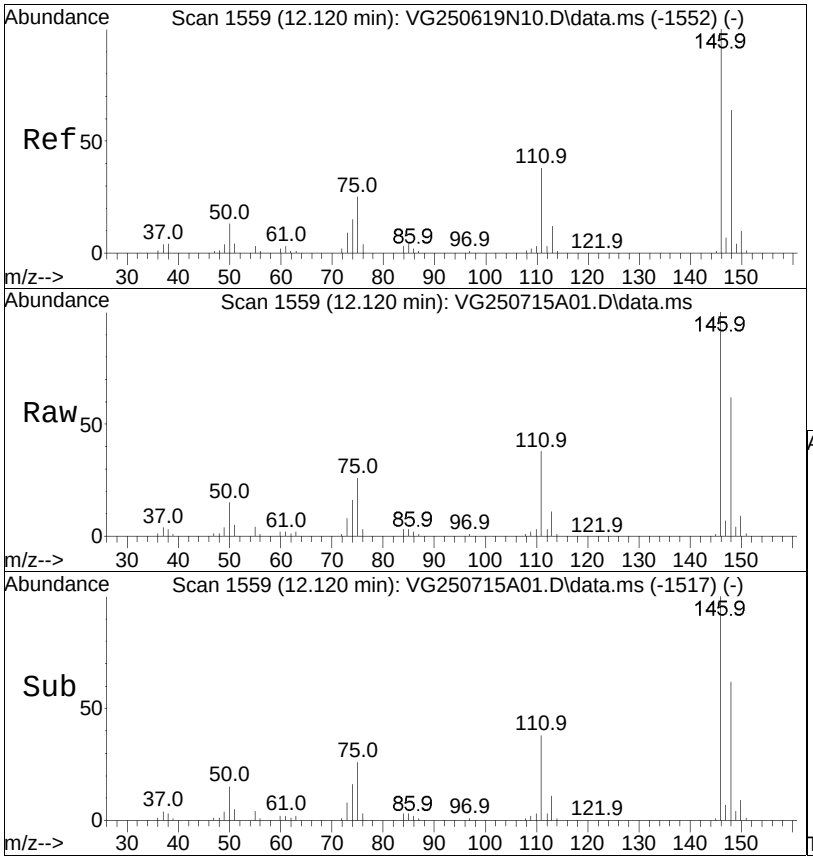


#99
p-Isopropyltoluene
Concen: 10.27 ug/L
RT: 12.049 min Scan# 1549
Delta R.T. -0.000 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:119 Resp: 570492

Ion	Ratio	Lower	Upper
119	100		
134	26.0	17.7	36.9
91	22.9	14.4	30.0

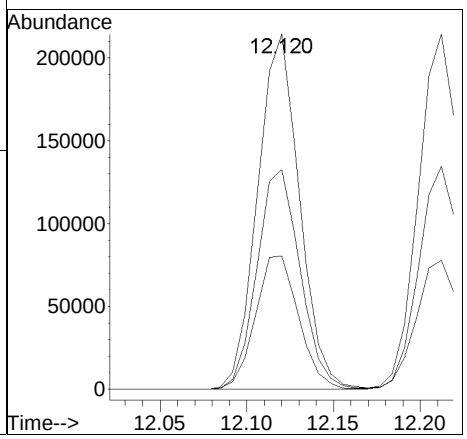


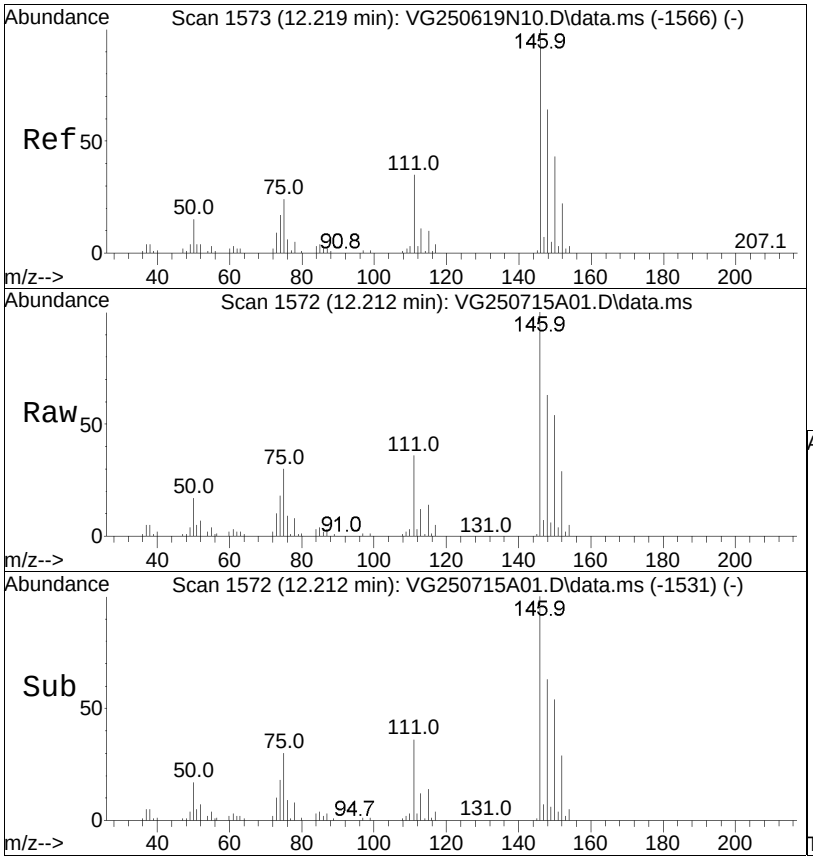


#100
1,3-Dichlorobenzene
Concen: 10.23 ug/L
RT: 12.120 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:146 Resp: 360202

Ion	Ratio	Lower	Upper
146	100		
111	38.9	23.9	49.5
148	63.9	41.2	85.6

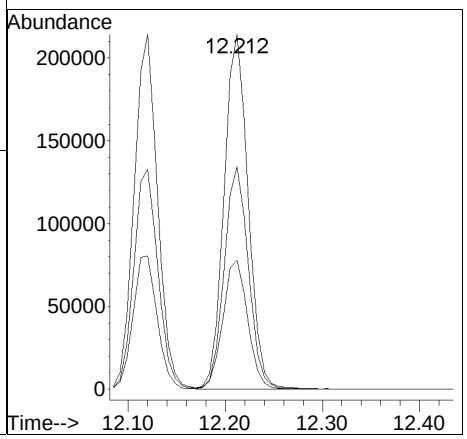


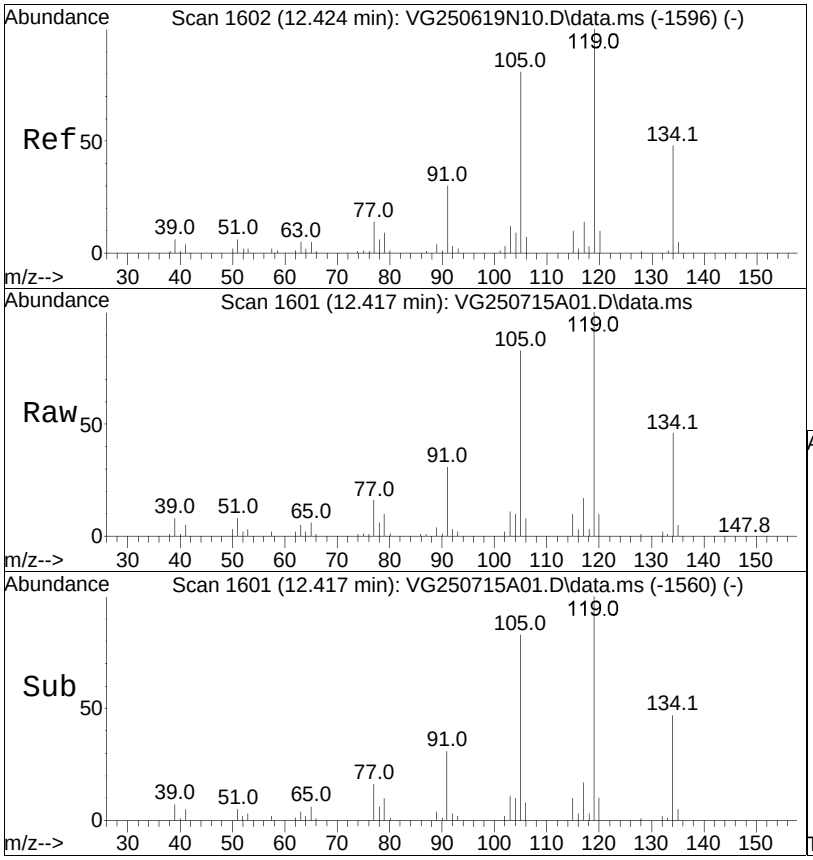


#101
1,4-Dichlorobenzene
Concen: 10.24 ug/L
RT: 12.212 min Scan# 1572
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:146 Resp: 370221

Ion	Ratio	Lower	Upper
146	100		
111	37.6	28.9	43.3
148	63.1	51.2	76.8

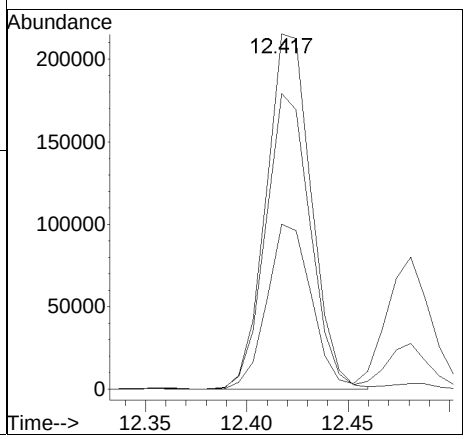


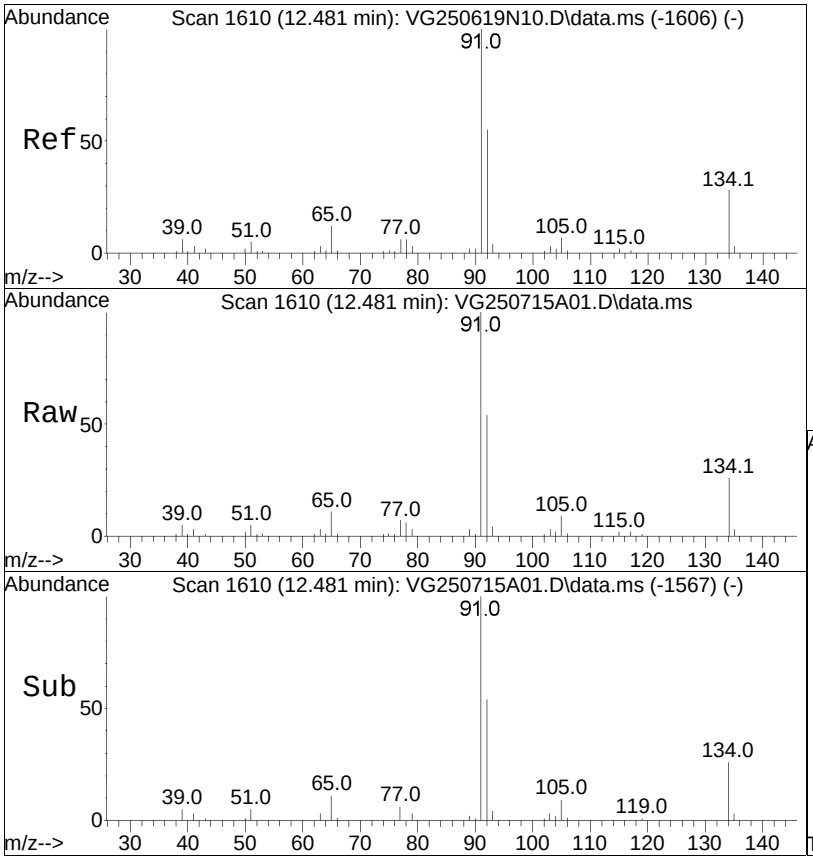


#102
p-Diethylbenzene
Concen: 10.15 ug/L
RT: 12.417 min Scan# 1601
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:119 Resp: 333500

Ion	Ratio	Lower	Upper
119	100		
105	82.1	52.6	109.2
134	46.1	31.9	66.3

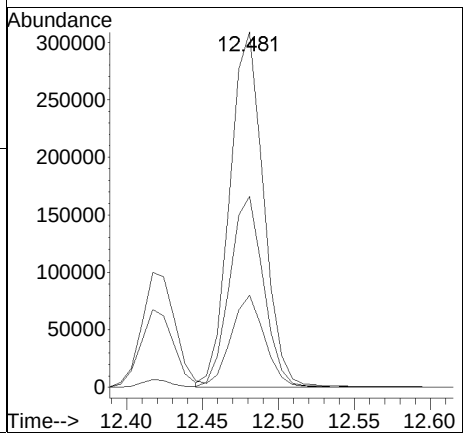


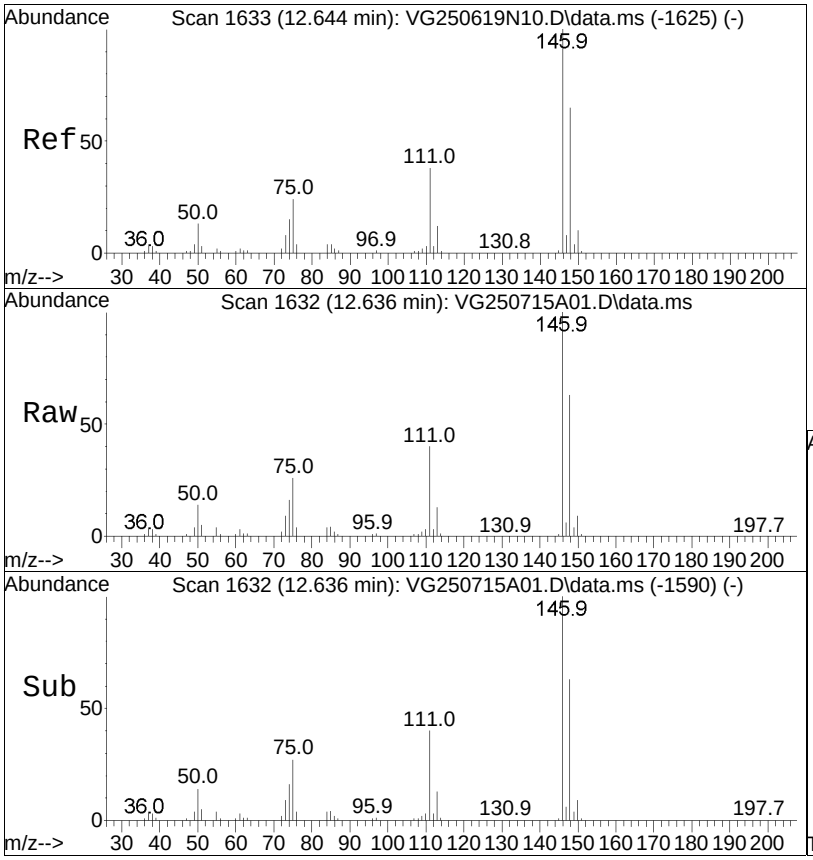


#103
n-Butylbenzene
Concen: 11.18 ug/L
RT: 12.481 min Scan# 1610
Delta R.T. -0.000 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion: 91 Resp: 477341

Ion	Ratio	Lower	Upper
91	100		
92	54.1	44.1	66.1
134	25.7	23.1	34.7

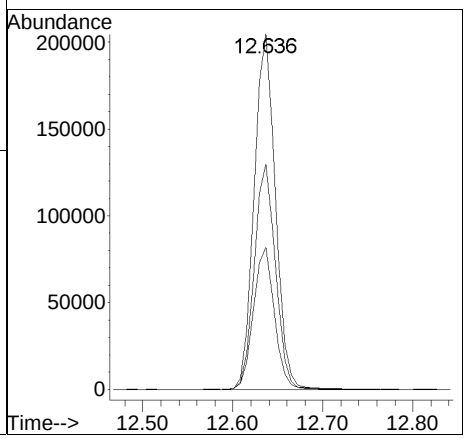


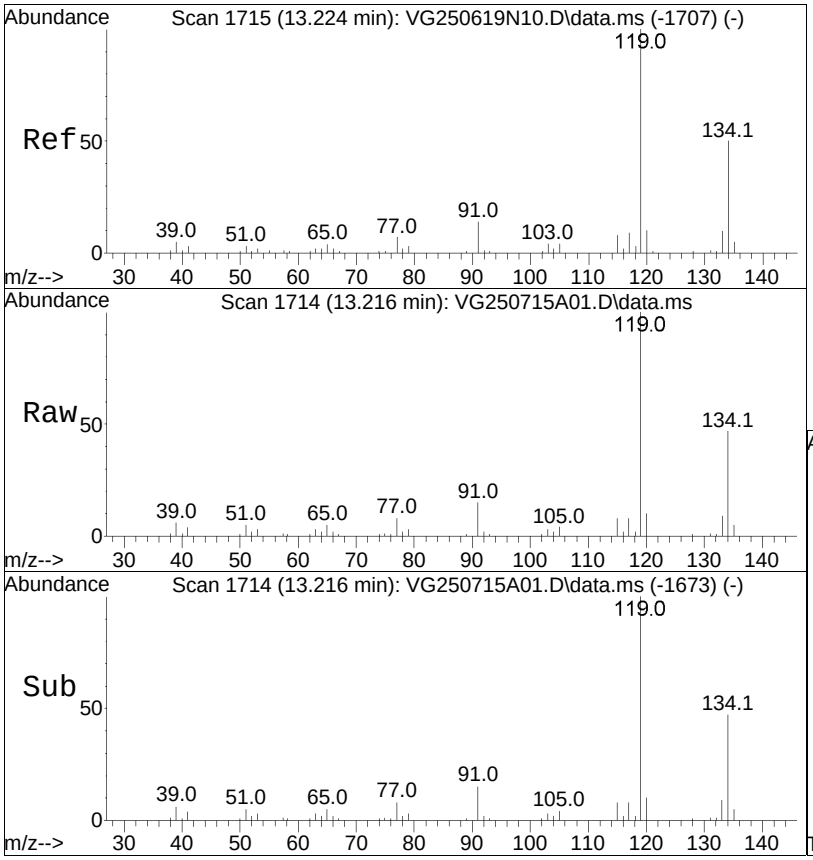


#104
1,2-Dichlorobenzene
Concen: 10.01 ug/L
RT: 12.636 min Scan# 1632
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:146 Resp: 336683

Ion	Ratio	Lower	Upper
146	100		
111	39.6	24.6	51.0
148	63.3	41.4	86.0

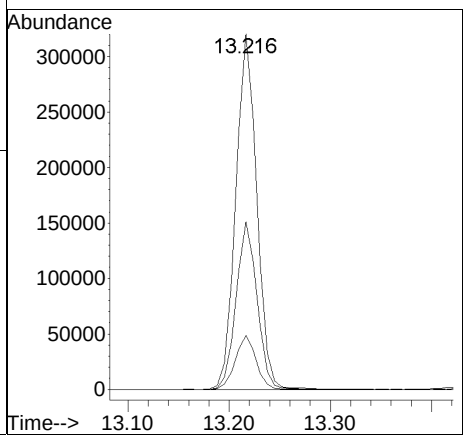


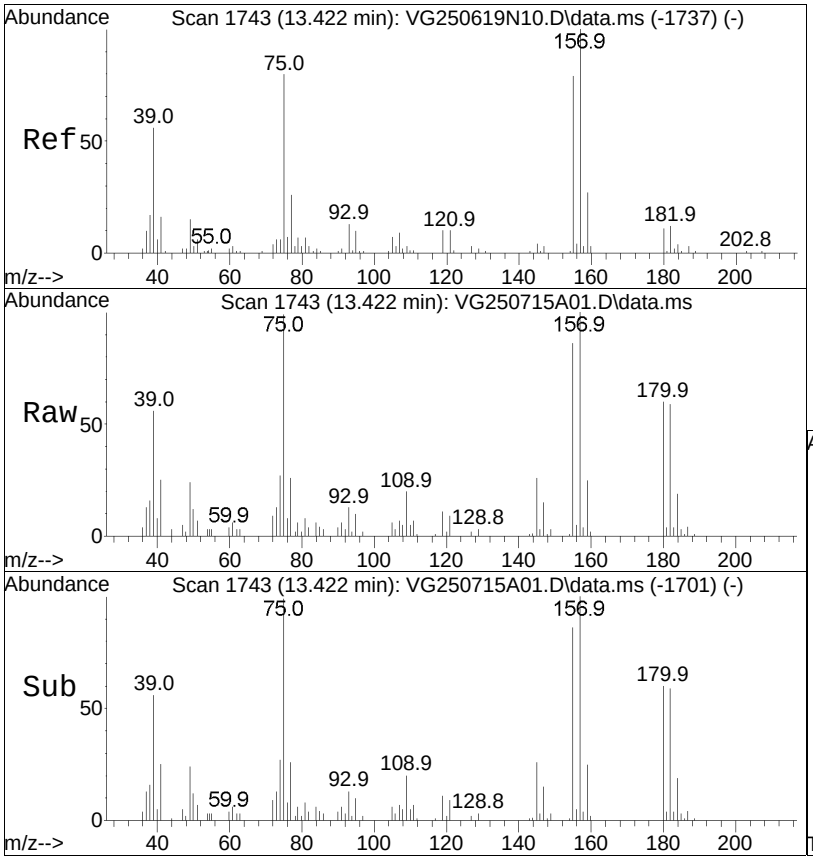


#105
1,2,4,5-Tetramethylbenzene
Concen: 9.29 ug/L
RT: 13.216 min Scan# 1714
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:119 Resp: 461712

Ion	Ratio	Lower	Upper
119	100		
134	47.0	32.1	66.7
91	15.0	9.6	20.0

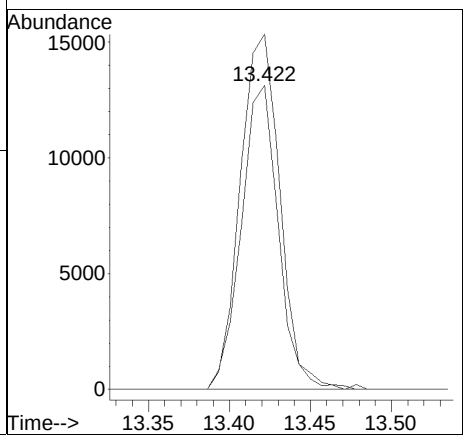


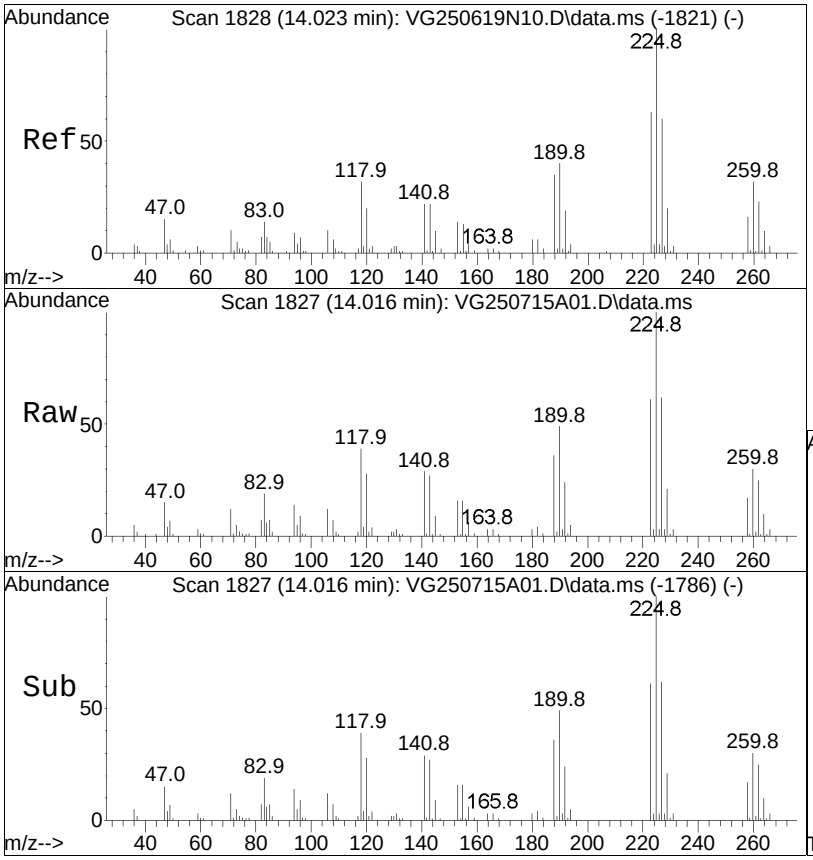


#106
1,2-Dibromo-3-chloropropane
Concen: 7.01 ug/L
RT: 13.422 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:155 Resp: 20957

Ion	Ratio	Lower	Upper
155	100		
157	124.5	99.0	148.6

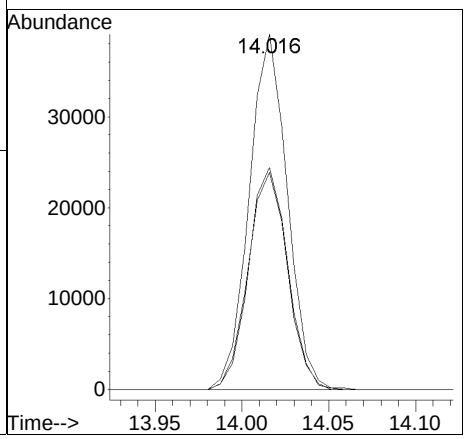


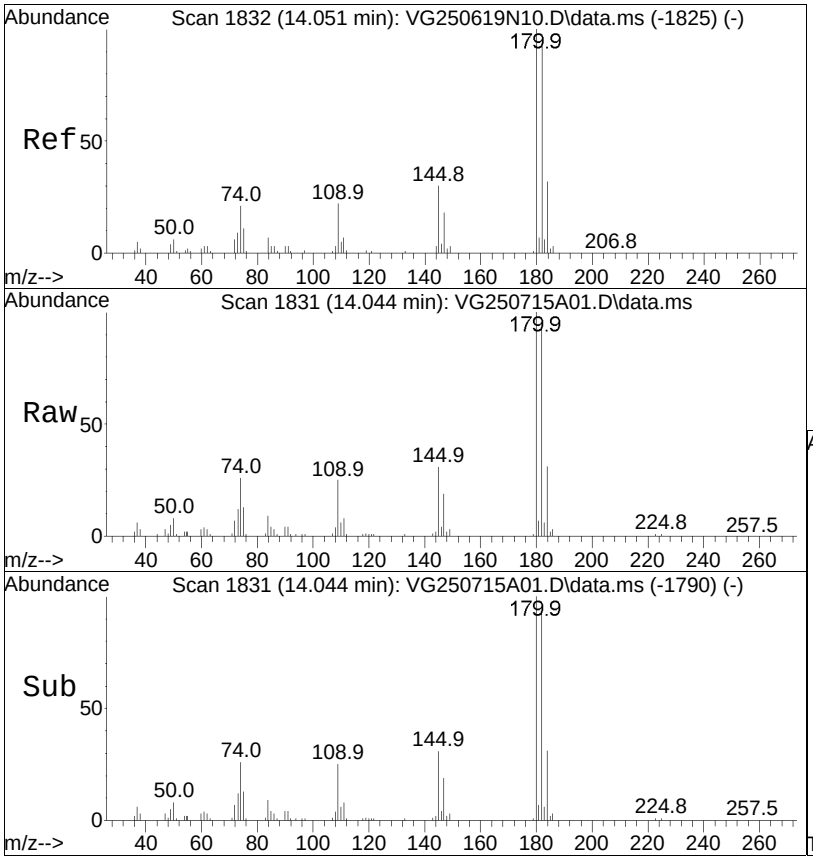


#108
Hexachlorobutadiene
Concen: 8.49 ug/L
RT: 14.016 min Scan# 1827
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:225 Resp: 59696

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.5	75.7
227	64.0	50.8	76.2

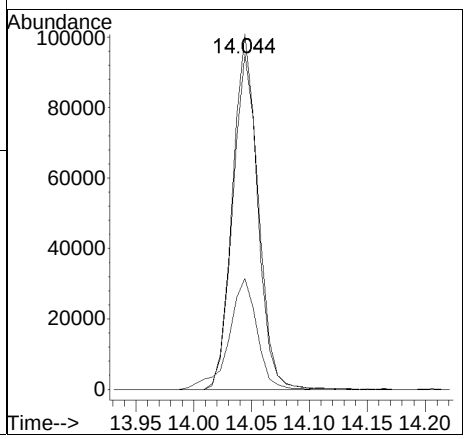


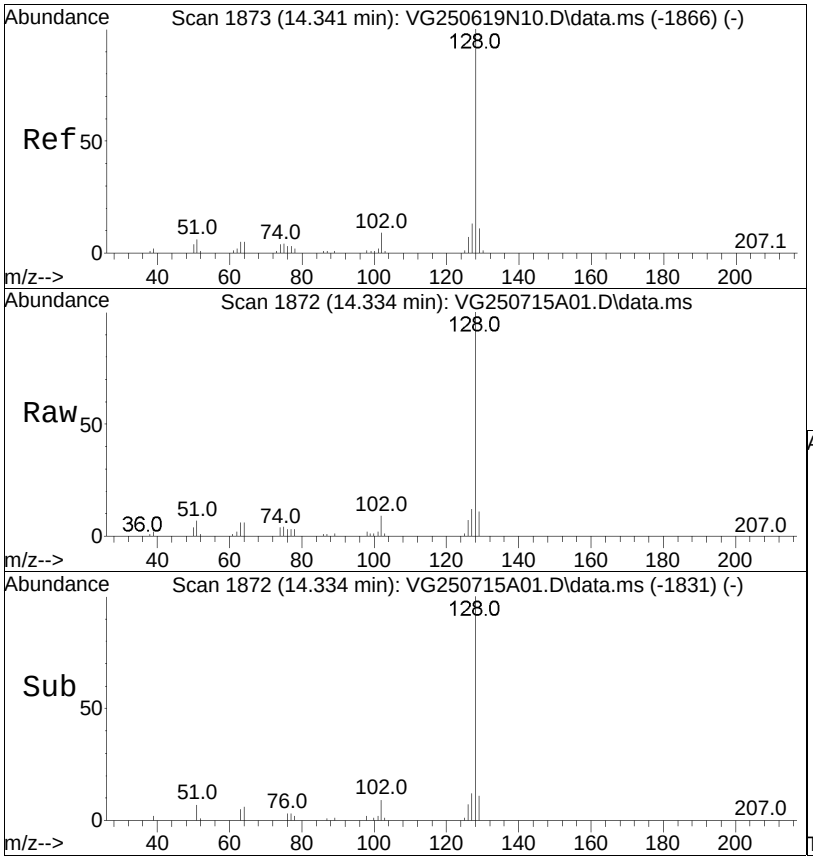


#109
1,2,4-Trichlorobenzene
Concen: 8.17 ug/L
RT: 14.044 min Scan# 1831
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:180 Resp: 155517

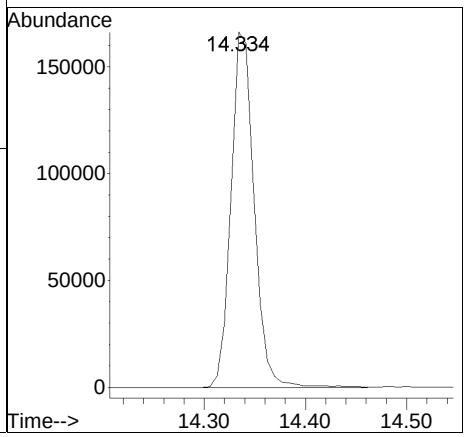
Ion	Ratio	Lower	Upper
180	100		
182	93.4	76.0	114.0
145	34.0	25.3	37.9

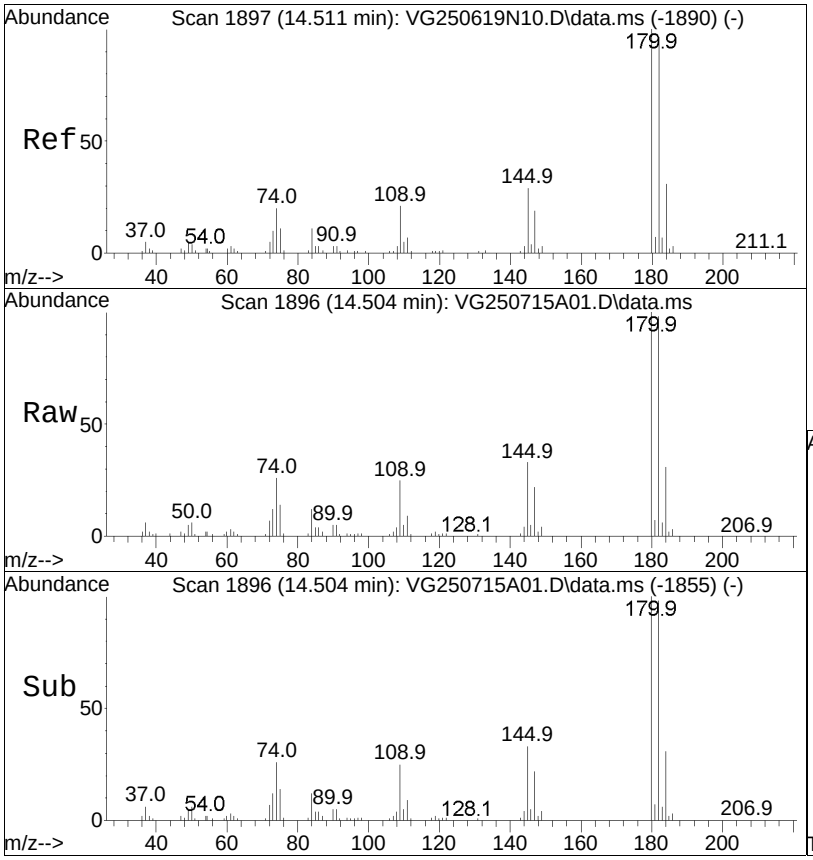




#110
Naphthalene
Concen: 6.66 ug/L
RT: 14.334 min Scan# 1872
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:128 Resp: 264244

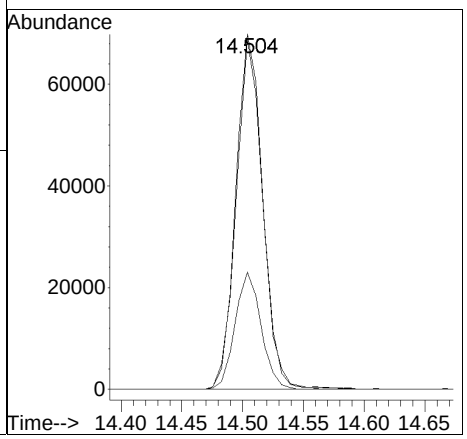




#111
1,2,3-Trichlorobenzene
Concen: 7.34 ug/L
RT: 14.504 min Scan# 1896
Delta R.T. -0.007 min
Lab File: VG250715A01.D
Acq: 15 Jul 2025 7:15 am

Tgt Ion:180 Resp: 107559

Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.8	115.2
145	31.9	24.1	36.1

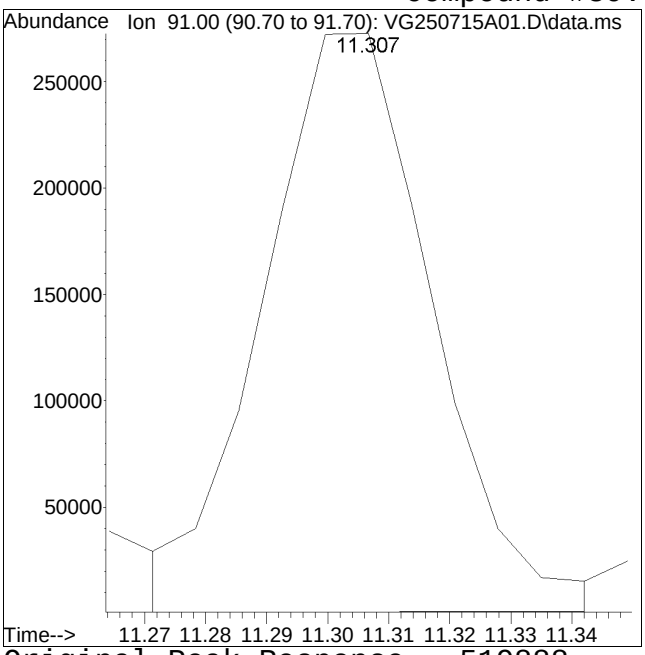


Manual Integration Report

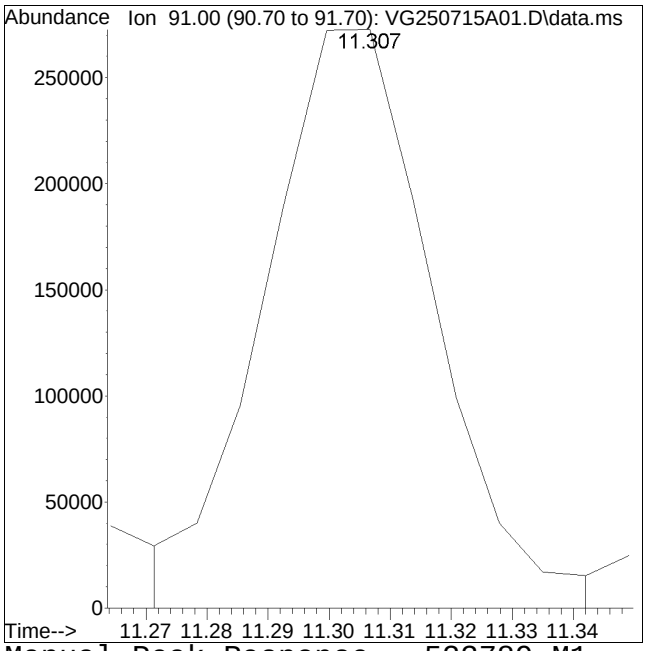
Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A01.D
Date Inj'd : 7/15/2025 7:15 am
Sample : WG2091404-3,31,10,10

QMethod : G_250619N_8260.m
Operator : GONZO:PID
Instrument : Gonzo
Quant Date : 7/15/2025 8:18 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 519888



Manual Peak Response = 523789 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A02.D
Acq On : 15 Jul 2025 7:42 am
Operator : GONZO:PID
Sample : WG2091404-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 15 08:20:26 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250715A\VG250715A01.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.950	96	685911	10.000	ug/L		0.00
Standard Area 1 = 741901			Recovery = 92.45%				
59) Chlorobenzene-d5	9.477	117	525230	10.000	ug/L		0.00
Standard Area 1 = 574539			Recovery = 91.42%				
79) 1,4-Dichlorobenzene-d4	12.198	152	277972	10.000	ug/L		0.00
Standard Area 1 = 311419			Recovery = 89.26%				
System Monitoring Compounds							
36) Dibromofluoromethane	5.150	113	174378	9.794	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.94%				
43) 1,2-Dichloroethane-d4	5.674	65	204459	11.217	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.17%				
60) Toluene-d8	7.636	98	669559	10.263	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.63%				
83) 4-Bromofluorobenzene	10.981	95	247926	10.814	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.14%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.614	85	135239	8.997	ug/L		100
3) Chloromethane	1.820	50	151576	10.797	ug/L		98
4) Vinyl chloride	1.870	62	163289	10.572	ug/L		97
5) Bromomethane	2.176	94	58127	5.488	ug/L		100
6) Chloroethane	2.283	64	88198	8.414	ug/L		96
7) Trichlorofluoromethane	2.418	101	174685	8.460	ug/L		100
8) Ethyl ether	2.717	74	75514	10.110	ug/L		87
10) 1,1-Dichloroethene	2.909	96	116146	9.350	ug/L		88
11) Carbon disulfide	2.944	76	382912	10.177	ug/L		100
15) Methylene chloride	3.464	84	145088	9.602	ug/L		87
17) Acetone	3.514	43	29758	10.135	ug/L		99
18) trans-1,2-Dichloroethene	3.613	96	131381	9.760	ug/L		90
20) Methyl tert-butyl ether	3.698	73	352887	9.001	ug/L		92
23) 1,1-Dichloroethane	4.189	63	263222	11.058	ug/L		98
25) Acrylonitrile	4.246	53	41060	10.884	ug/L		99
27) Vinyl acetate	4.424	43	265688	10.468	ug/L		95
28) cis-1,2-Dichloroethene	4.709	96	150589	9.611	ug/L		87
29) 2,2-Dichloropropane	4.801	77	190652	9.573	ug/L		93
30) Bromochloromethane	4.901	128	67168	9.157	ug/L	#	78
32) Chloroform	4.972	83	241497	9.860	ug/L		98

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A02.D
Acq On : 15 Jul 2025 7:42 am
Operator : GONZO:PID
Sample : WG2091404-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 15 08:20:26 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250715A\VG250715A01.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	5.100	117	170189	8.700	ug/L		98
37) 1,1,1-Trichloroethane	5.164	97	201703	9.410	ug/L		98
39) 2-Butanone	5.264	43	45593	10.258	ug/L	#	77
40) 1,1-Dichloropropene	5.285	75	166939	9.805	ug/L		97
41) Benzene	5.533	78	552437	10.327	ug/L		98
44) 1,2-Dichloroethane	5.738	62	178646	10.188	ug/L		98
48) Trichloroethene	6.126	95	141986	9.688	ug/L		96
50) Dibromomethane	6.578	93	82096	9.274	ug/L		89
51) 1,2-Dichloropropane	6.669	63	150527	10.949	ug/L		95
54) Bromodichloromethane	6.747	83	185338	9.540	ug/L		97
57) 1,4-Dioxane	6.959	88	58296	414.505	ug/L		87
58) cis-1,3-Dichloropropene	7.431	75	217498	9.561	ug/L		98
61) Toluene	7.692	92	337851	10.046	ug/L		100
62) 4-Methyl-2-pentanone	8.137	58	37452	9.126	ug/L	#	84
63) Tetrachloroethene	8.144	166	132404	8.512	ug/L		94
65) trans-1,3-Dichloropropene	8.186	75	184374	9.503	ug/L		92
68) 1,1,2-Trichloroethane	8.370	83	98188	9.843	ug/L		97
69) Chlorodibromomethane	8.581	129	138996	8.719	ug/L		100
70) 1,3-Dichloropropane	8.687	76	201642	10.379	ug/L		99
71) 1,2-Dibromoethane	8.857	107	117857	9.298	ug/L		100
72) 2-Hexanone	9.146	43	65229	9.577	ug/L		94
73) Chlorobenzene	9.499	112	390938	9.813	ug/L		97
74) Ethylbenzene	9.534	91	633476	9.838	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.583	131	136698	8.924	ug/L		97
76) p/m Xylene	9.724	106	482835	18.830	ug/L		92
77) o Xylene	10.268	106	480084	18.673	ug/L		94
78) Styrene	10.338	104	844331	19.139	ug/L		98
80) Bromoform	10.367	173	88169	8.438	ug/L		100
82) Isopropylbenzene	10.649	105	574899	10.158	ug/L		98
84) Bromobenzene	11.095	156	170561	9.846	ug/L		100
85) n-Propylbenzene	11.137	91	703394	10.869	ug/L		96
87) 1,1,2,2-Tetrachloroethane	11.236	83	153067	10.455	ug/L		99
88) 4-Ethyltoluene	11.264	105	583831	10.454	ug/L		98
89) 2-Chlorotoluene	11.307	91	464690M6	11.425	ug/L		
90) 1,3,5-Trimethylbenzene	11.363	105	510112	10.483	ug/L		98
91) 1,2,3-Trichloropropane	11.370	75	120503	10.830	ug/L		96
92) trans-1,4-Dichloro-2-b...	11.427	53	41856	10.247	ug/L	#	75
93) 4-Chlorotoluene	11.491	91	471998	11.033	ug/L		95
94) tert-Butylbenzene	11.703	119	400424	9.909	ug/L		96

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A02.D
Acq On : 15 Jul 2025 7:42 am
Operator : GONZO:PID
Sample : WG2091404-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 15 08:20:26 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250715A\VG250715A01.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	11.781	105	506973	10.438	ug/L	98
98)	sec-Butylbenzene	11.894	105	576515	10.461	ug/L	98
99)	p-Isopropyltoluene	12.050	119	503392	10.156	ug/L	98
100)	1,3-Dichlorobenzene	12.120	146	317765	10.107	ug/L	99
101)	1,4-Dichlorobenzene	12.212	146	322661	9.994	ug/L	98
102)	p-Diethylbenzene	12.424	119	293733	10.019	ug/L	97
103)	n-Butylbenzene	12.481	91	422197	11.080	ug/L	97
104)	1,2-Dichlorobenzene	12.637	146	301901	10.054	ug/L	99
105)	1,2,4,5-Tetramethylben...	13.217	119	407857	9.189	ug/L	98
106)	1,2-Dibromo-3-chloropr...	13.422	155	22606	8.471	ug/L	99
108)	Hexachlorobutadiene	14.016	225	56036	8.929	ug/L	97
109)	1,2,4-Trichlorobenzene	14.044	180	147829	8.696	ug/L	98
110)	Naphthalene	14.334	128	278926	7.881	ug/L	100
111)	1,2,3-Trichlorobenzene	14.504	180	108140	8.272	ug/L	99

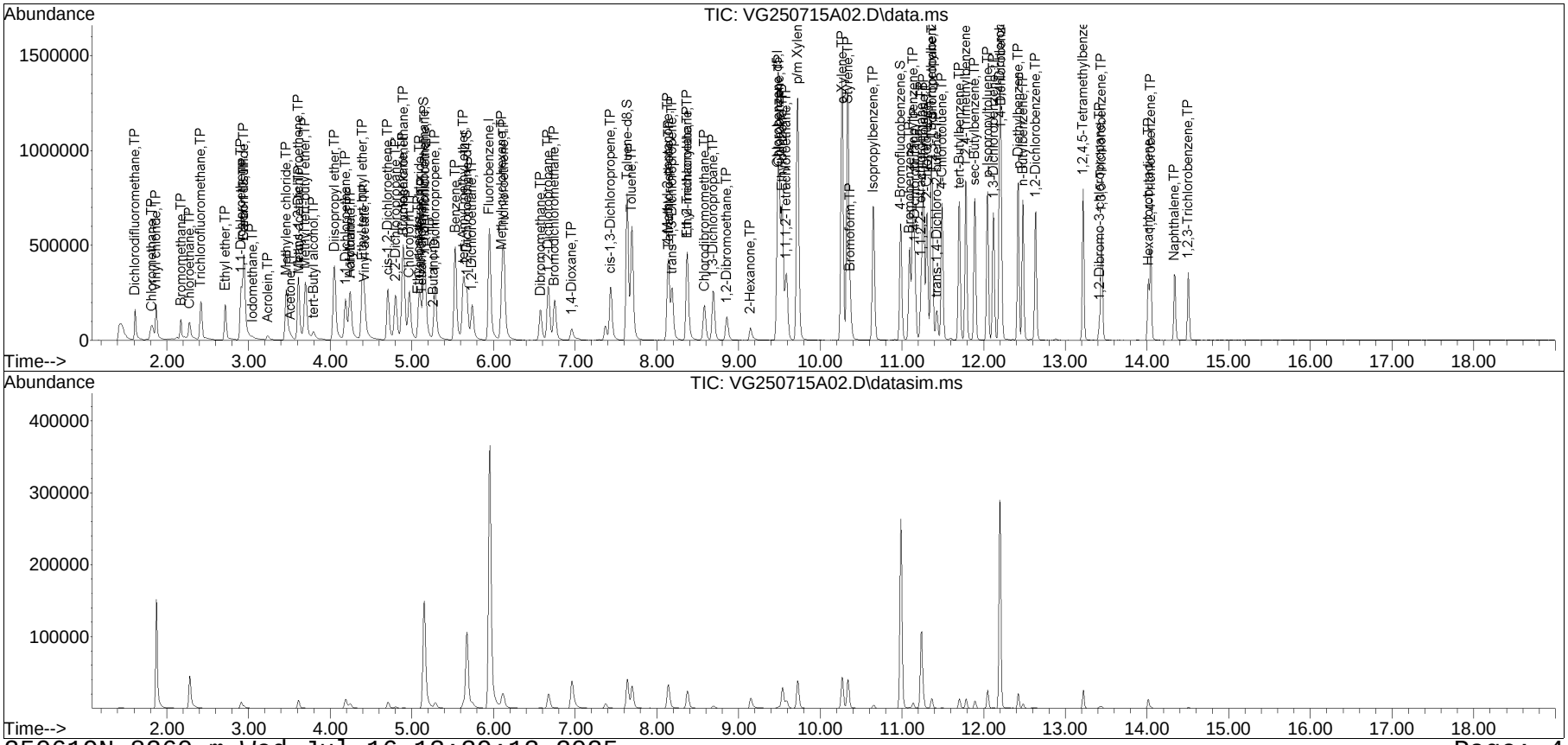
(#) = qualifier out of range (m) = manual integration (+) = signals summed

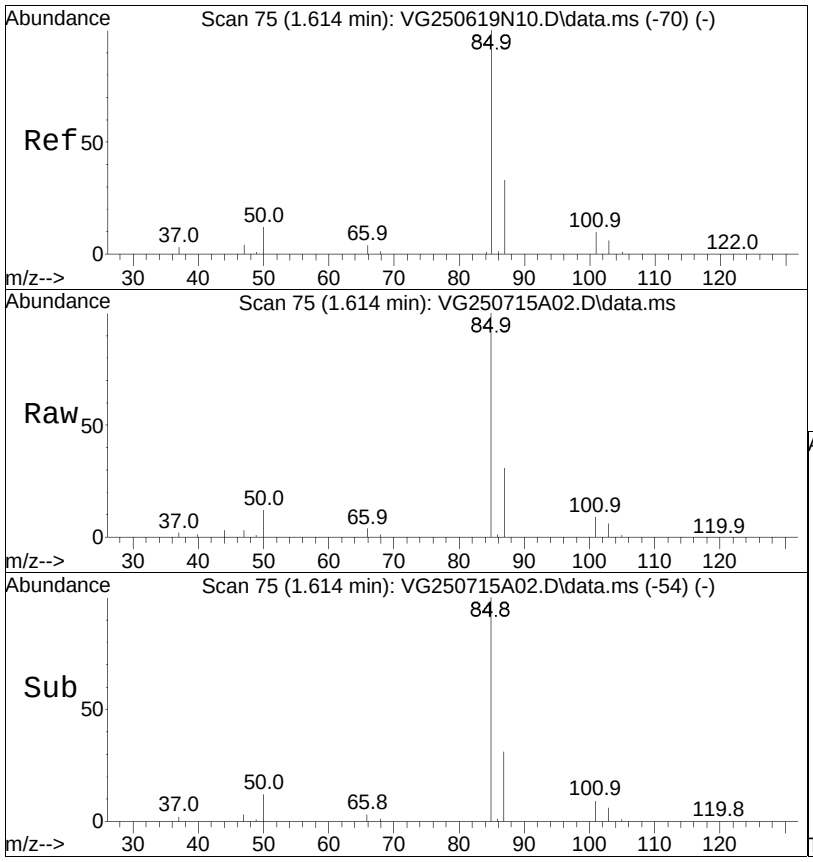
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A02.D
Acq On : 15 Jul 2025 7:42 am
Operator : GONZO:PID
Sample : WG2091404-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2091404,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 15 08:20:26 2025
Quant Method : K:\Gonzo\2025\250715A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE.D•

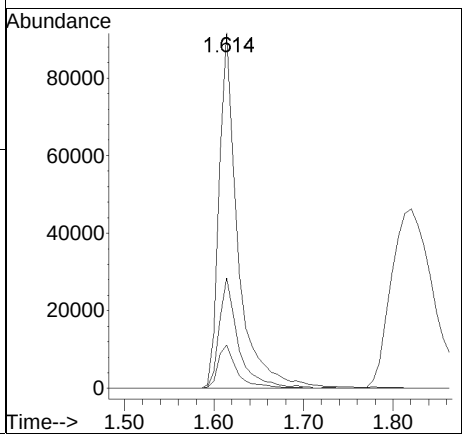


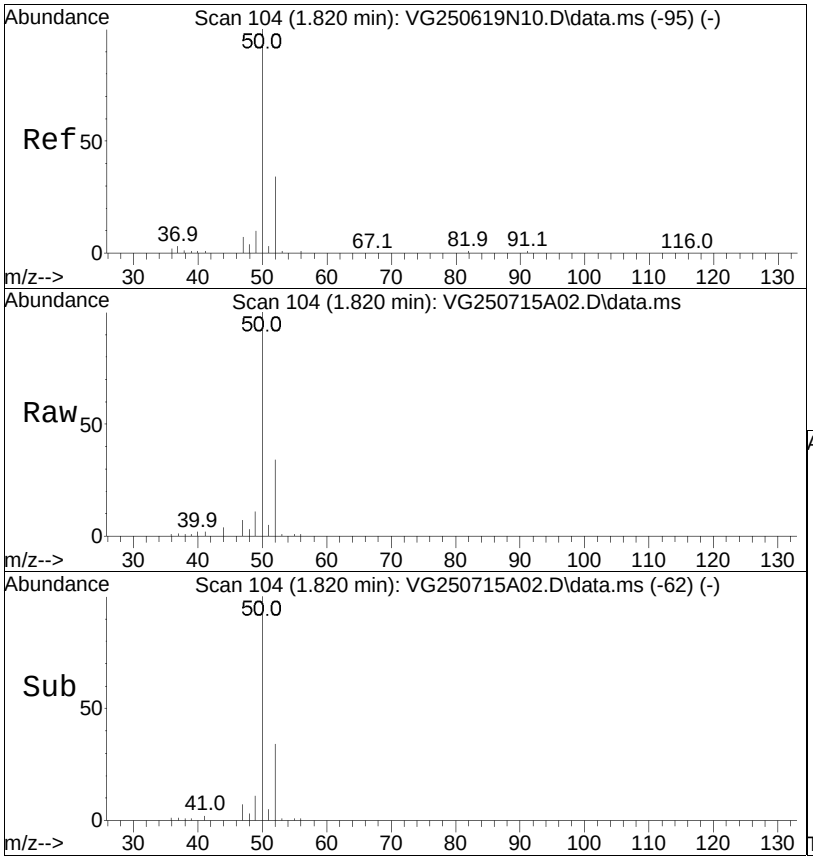


#2
Dichlorodifluoromethane
Concen: 9.00 ug/L
RT: 1.614 min Scan# 75
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 85 Resp: 135239

Ion	Ratio	Lower	Upper
85	100		
87	31.5	20.7	42.9
50	12.5	8.1	16.7

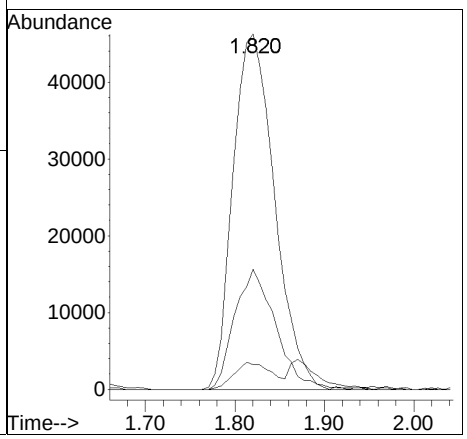


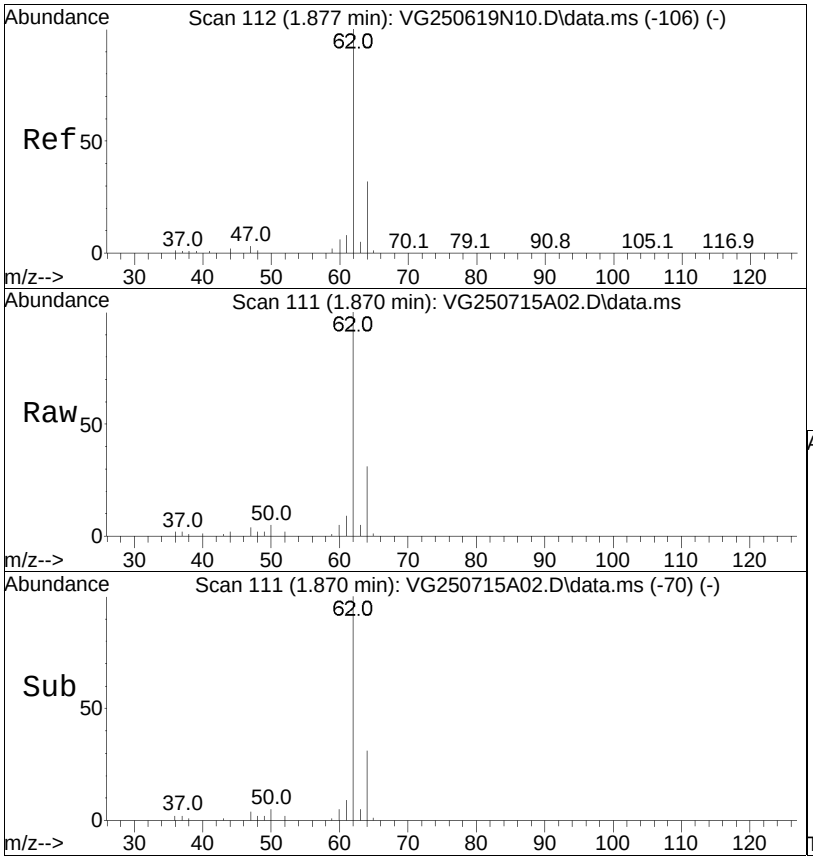


#3
Chloromethane
Concen: 10.80 ug/L
RT: 1.820 min Scan# 104
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 50 Resp: 151576

Ion	Ratio	Lower	Upper
50	100		
52	32.5	11.6	51.6
47	6.9	0.0	26.4

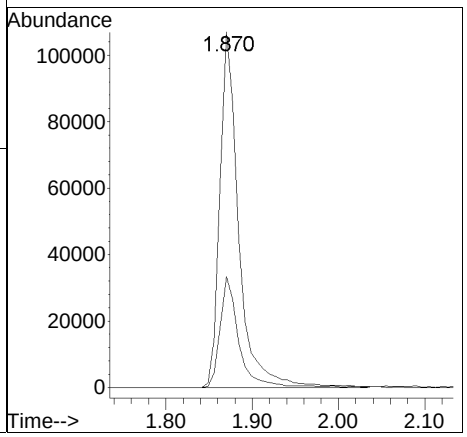


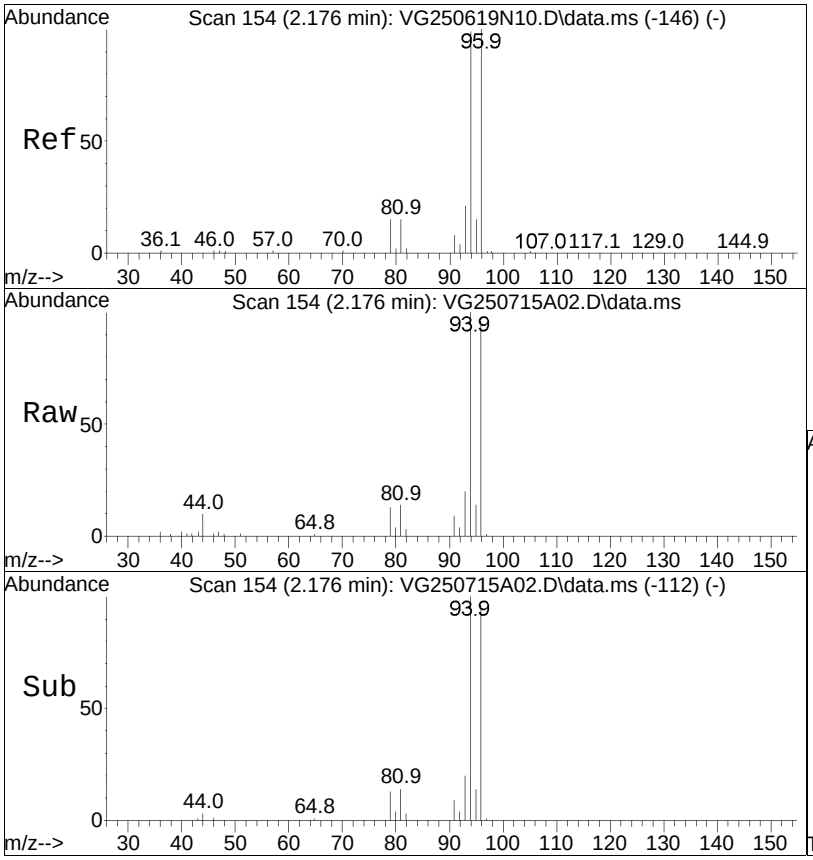


#4
Vinyl chloride
Concen: 10.57 ug/L
RT: 1.870 min Scan# 111
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 62 Resp: 163289

Ion	Ratio	Lower	Upper
62	100		
64	30.1	11.5	51.5

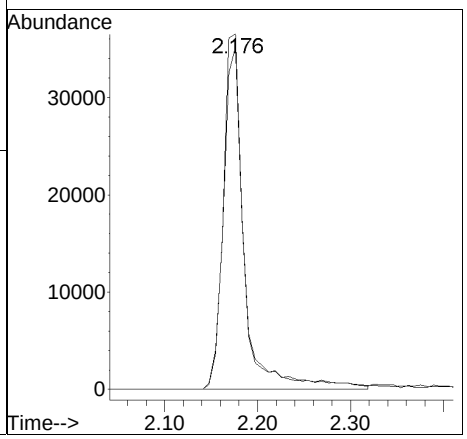


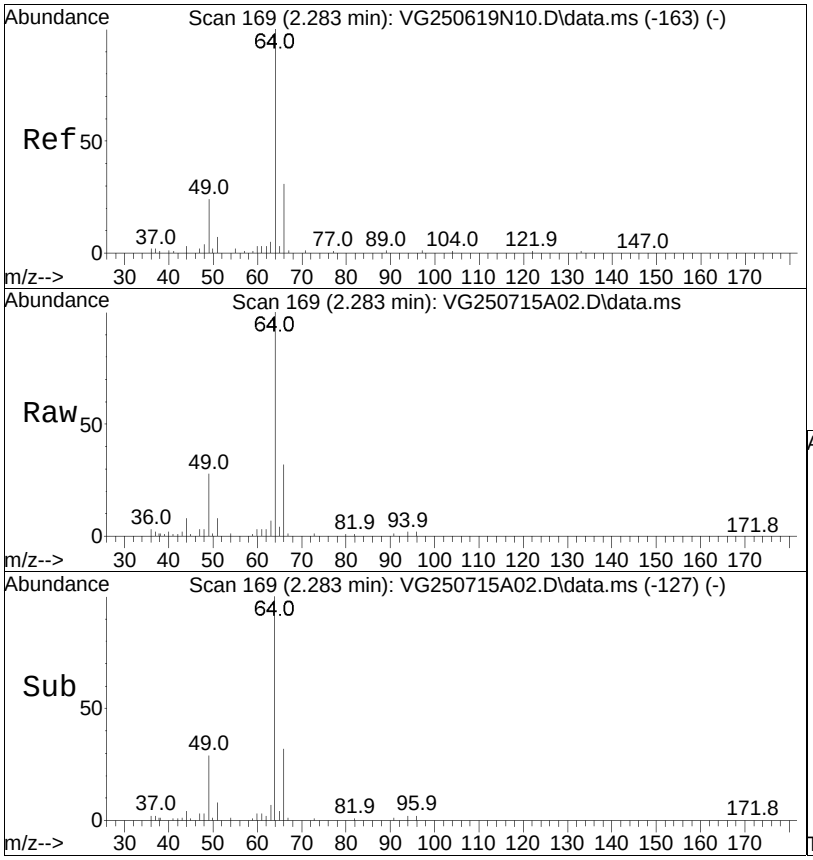


#5
Bromomethane
Concen: 5.49 ug/L
RT: 2.176 min Scan# 154
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 94 Resp: 58127

Ion	Ratio	Lower	Upper
94	100		
96	96.1	75.8	115.8

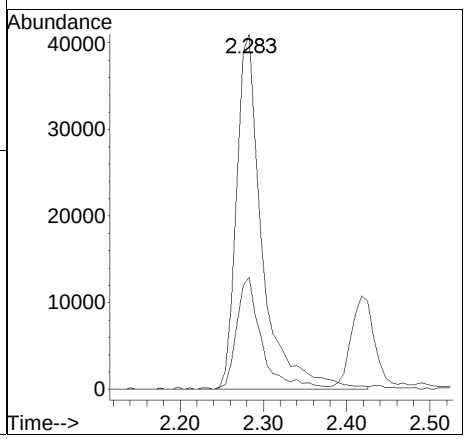


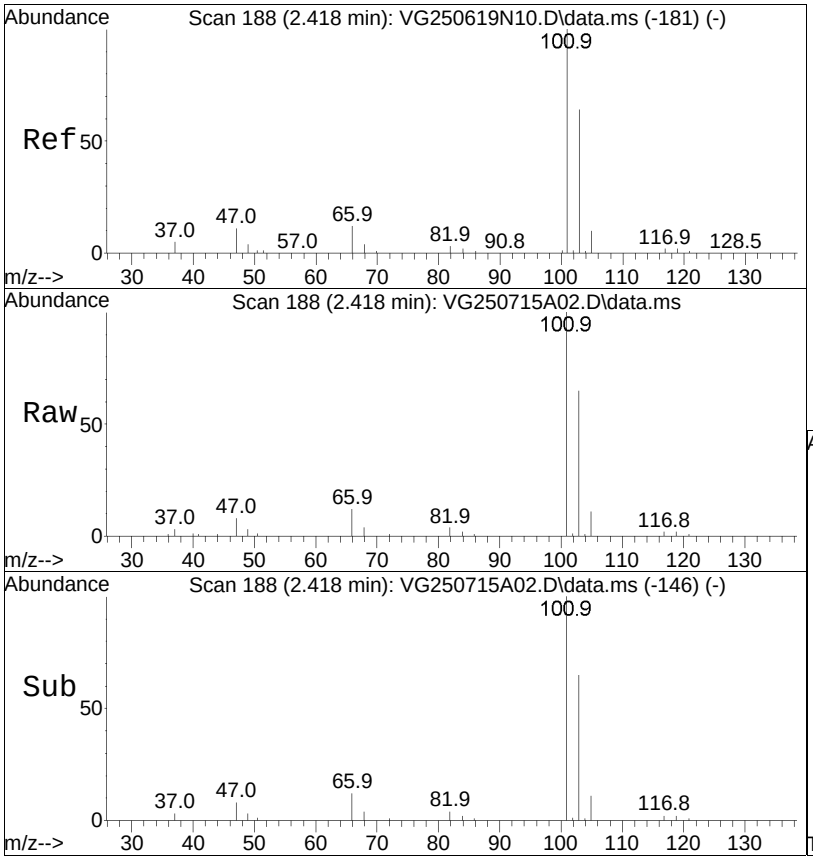


#6
Chloroethane
Concen: 8.41 ug/L
RT: 2.283 min Scan# 169
Delta R.T. -0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 64 Resp: 88198

Ion	Ratio	Lower	Upper
64	100		
66	30.8	12.9	52.9

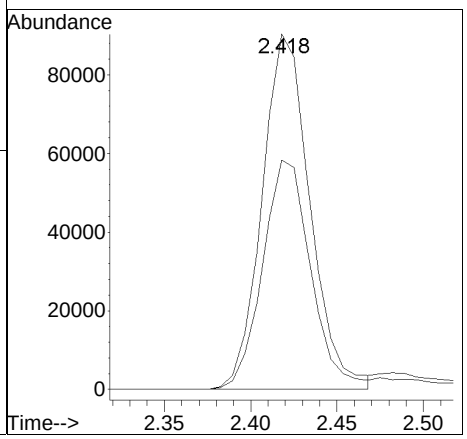


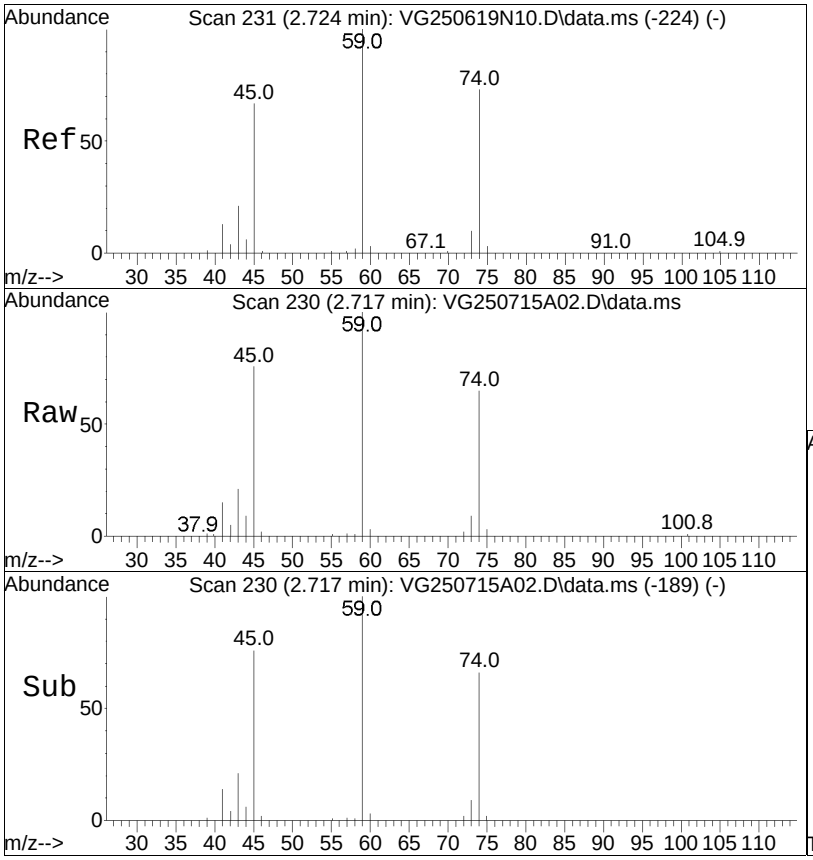


#7
Trichlorofluoromethane
Concen: 8.46 ug/L
RT: 2.418 min Scan# 188
Delta R.T. -0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:101 Resp: 174685

Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.2	78.2

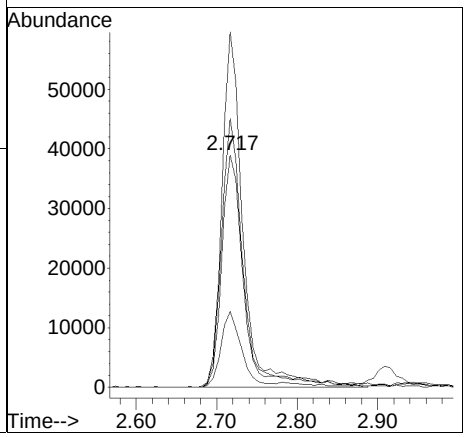


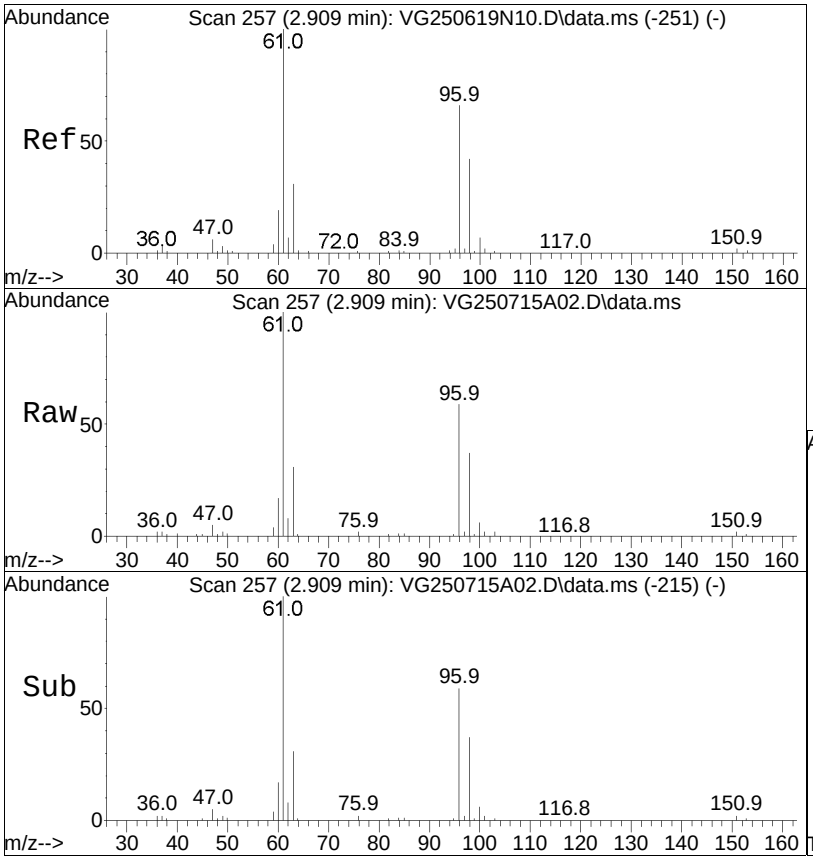


#8
Ethyl ether
Concen: 10.11 ug/L
RT: 2.717 min Scan# 230
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 74 Resp: 75514

Ion	Ratio	Lower	Upper
74	100		
59	145.7	86.5	179.7
45	113.6	62.3	129.5
43	30.4	16.4	34.2

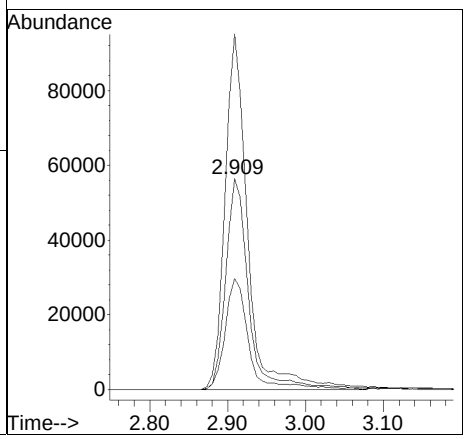


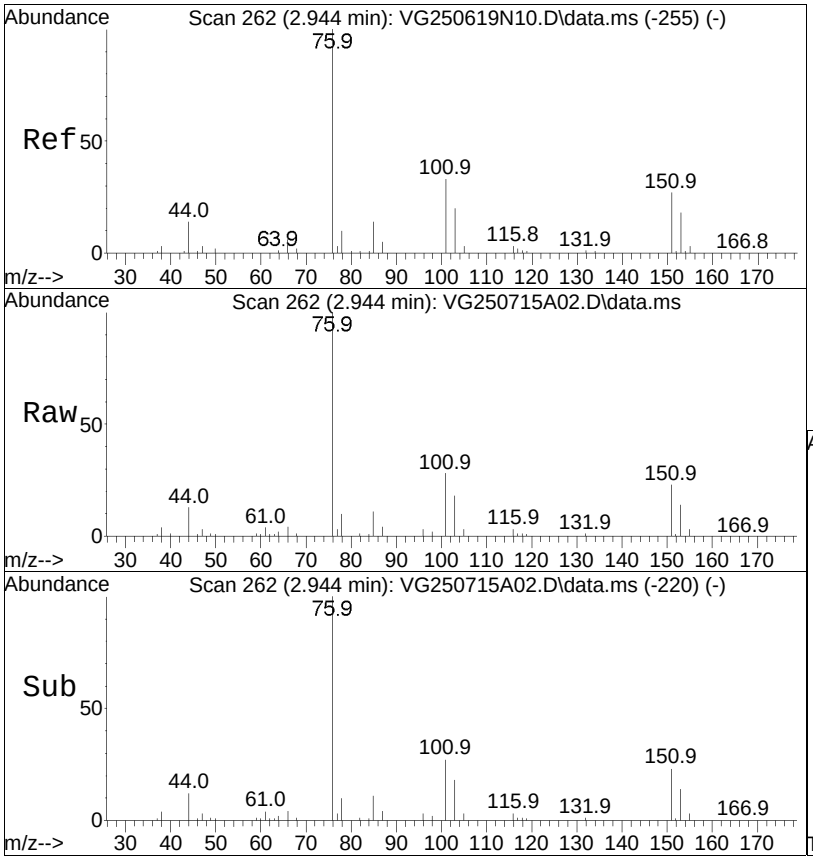


#10
1,1-Dichloroethene
Concen: 9.35 ug/L
RT: 2.909 min Scan# 257
Delta R.T. -0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 96 Resp: 116146

Ion	Ratio	Lower	Upper
96	100		
61	167.7	121.1	181.7
63	53.9	38.5	57.7

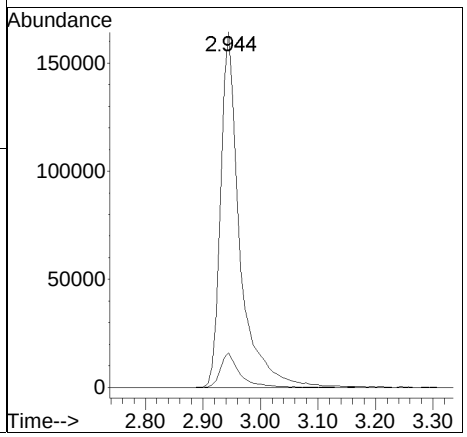


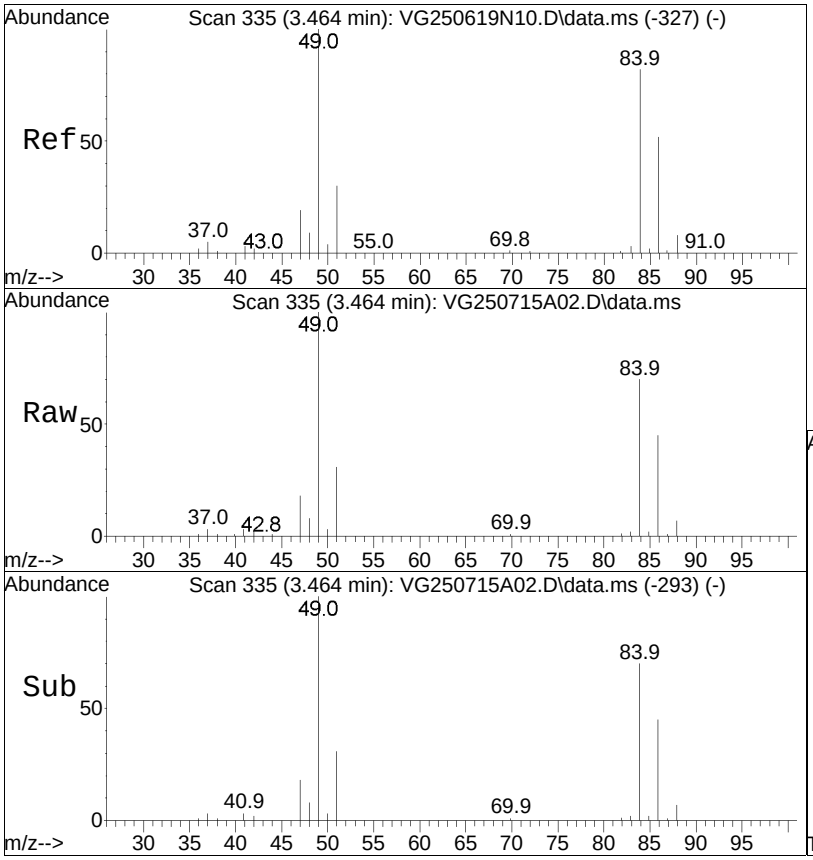


#11
Carbon disulfide
Concen: 10.18 ug/L
RT: 2.944 min Scan# 262
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 76 Resp: 382912

Ion	Ratio	Lower	Upper
76	100		
78	9.7	6.3	13.1

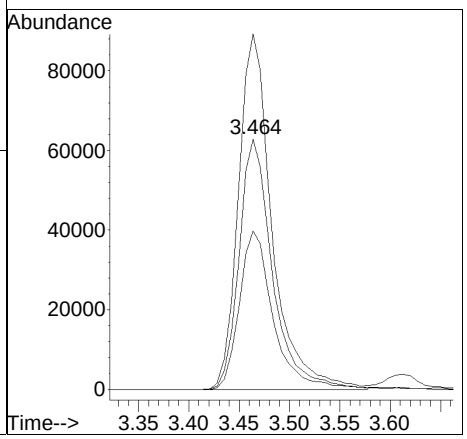


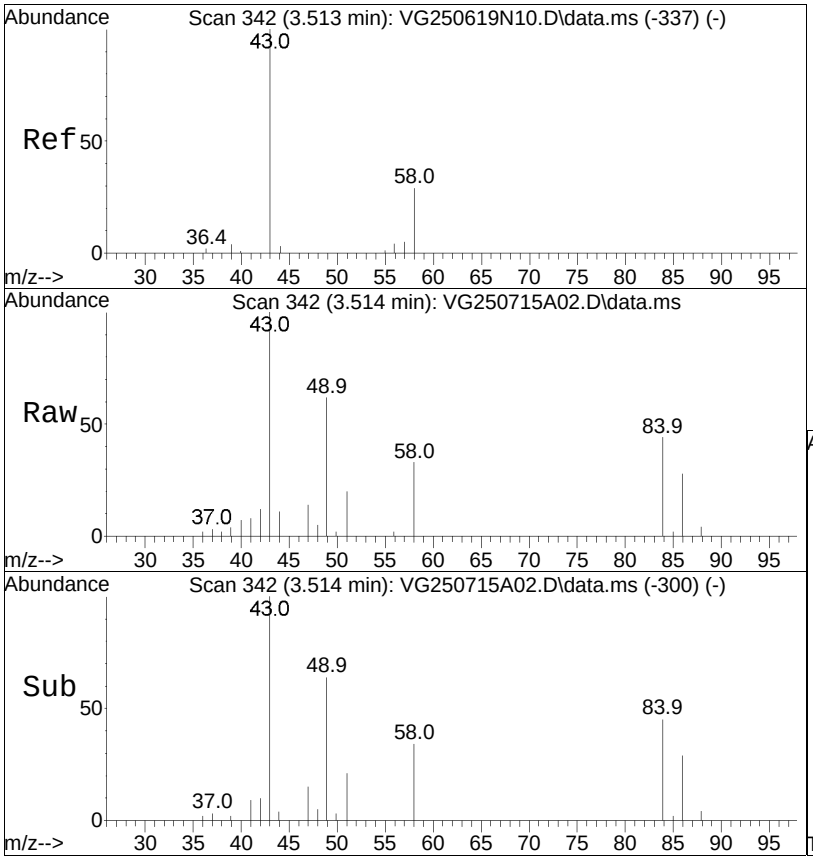


#15
Methylene chloride
Concen: 9.60 ug/L
RT: 3.464 min Scan# 335
Delta R.T. -0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 84 Resp: 145088

Ion	Ratio	Lower	Upper
84	100		
86	64.6	41.7	86.7
49	142.9	78.6	163.3

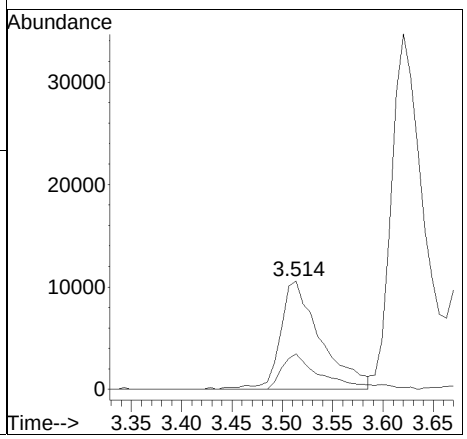


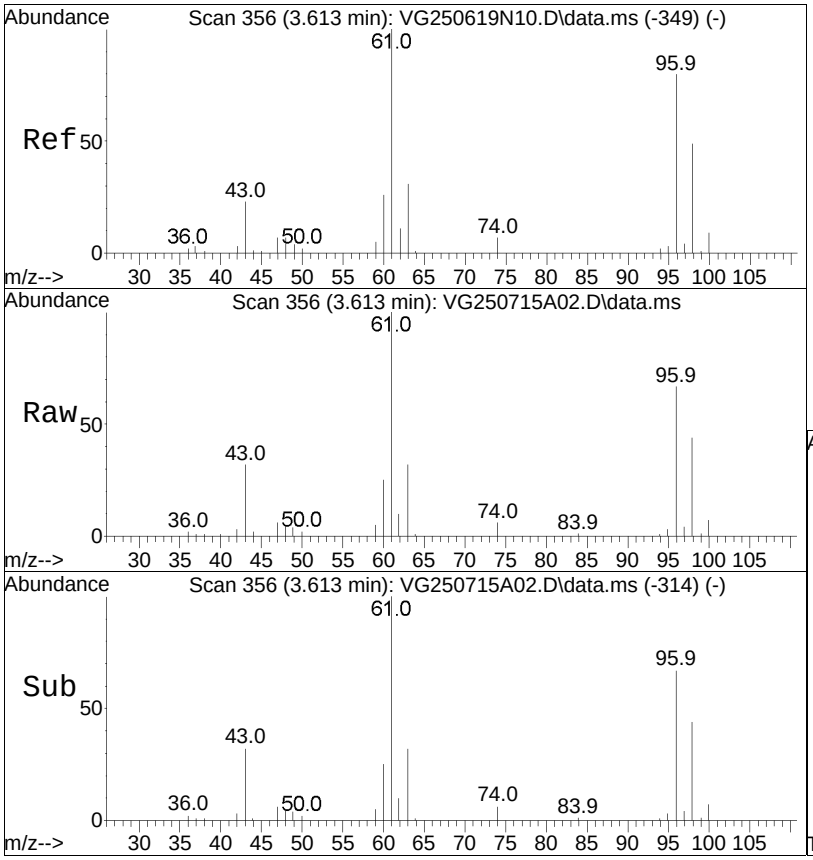


#17
Acetone
Concen: 10.13 ug/L
RT: 3.514 min Scan# 342
Delta R.T. 0.001 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 43 Resp: 29758

Ion	Ratio	Lower	Upper
43	100		
58	33.1	26.2	39.2

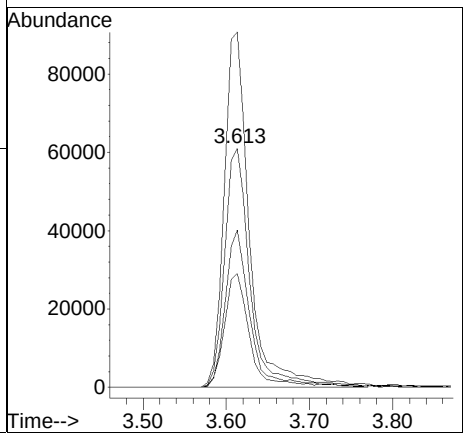


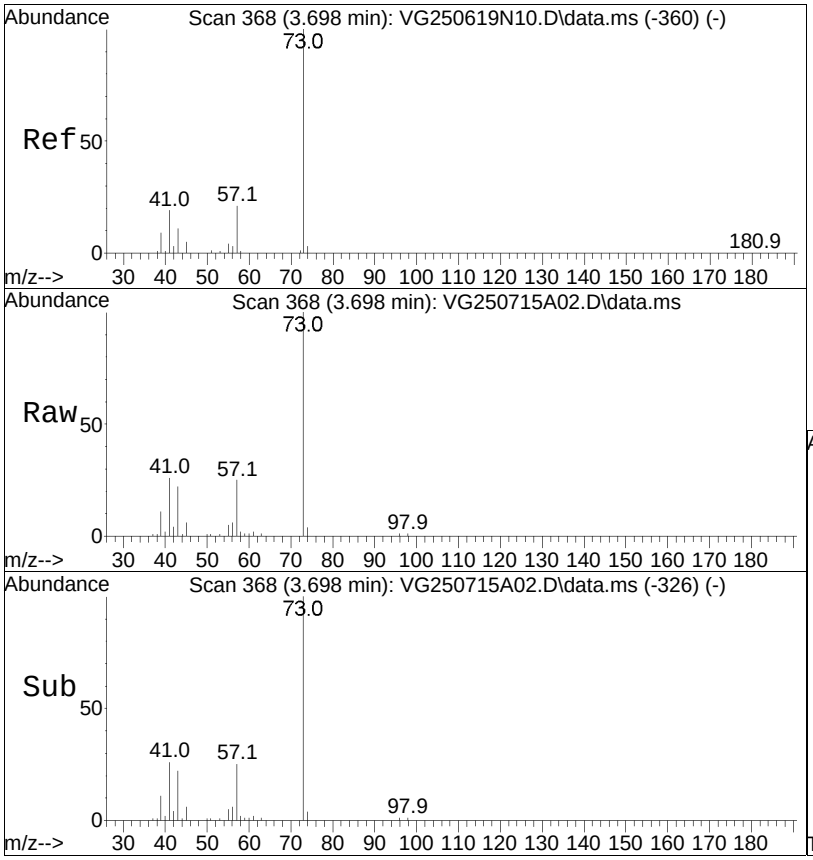


#18
trans-1,2-Dichloroethene
Concen: 9.76 ug/L
RT: 3.613 min Scan# 356
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 96 Resp: 131381

Ion	Ratio	Lower	Upper
96	100		
61	147.9	85.7	177.9
98	64.5	42.8	88.8
63	47.5	26.5	55.1

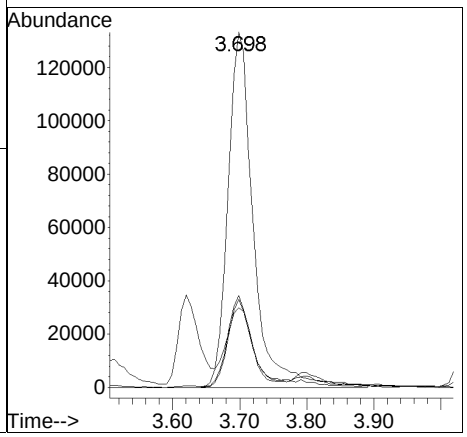


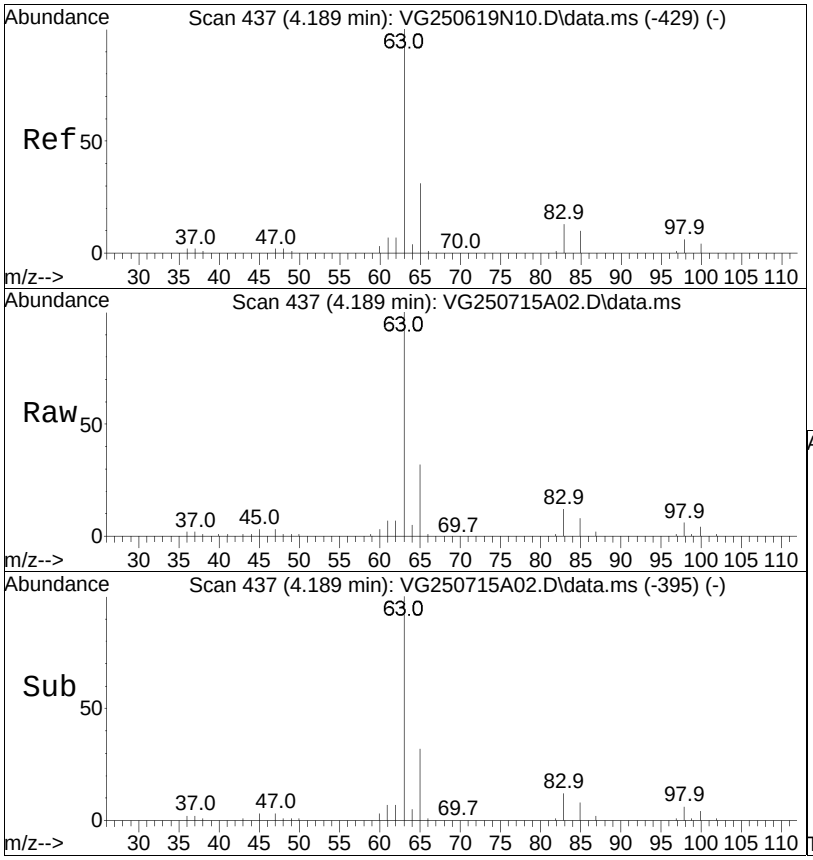


#20
Methyl tert-butyl ether
Concen: 9.00 ug/L
RT: 3.698 min Scan# 368
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 73 Resp: 352887

Ion	Ratio	Lower	Upper
73	100		
57	23.2	13.1	27.3
43	23.3	14.1	29.3
41	24.2	11.7	24.3

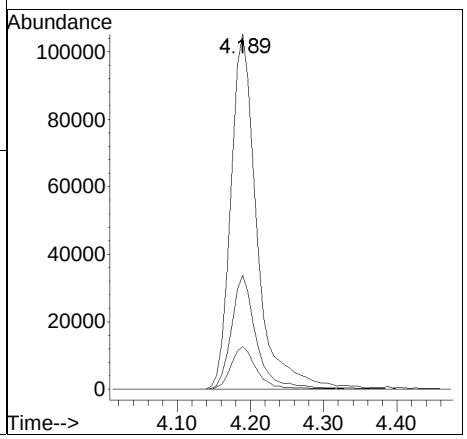


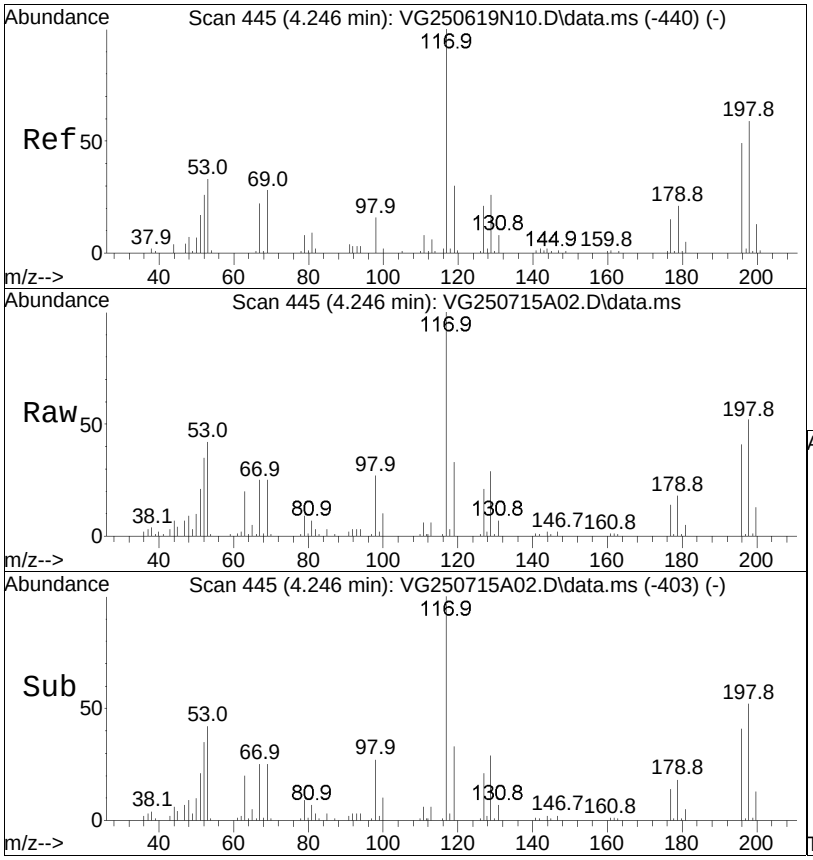


#23
1,1-Dichloroethane
Concen: 11.06 ug/L
RT: 4.189 min Scan# 437
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 63 Resp: 263222

Ion	Ratio	Lower	Upper
63	100		
65	30.4	9.7	49.7
83	12.1	0.0	33.1

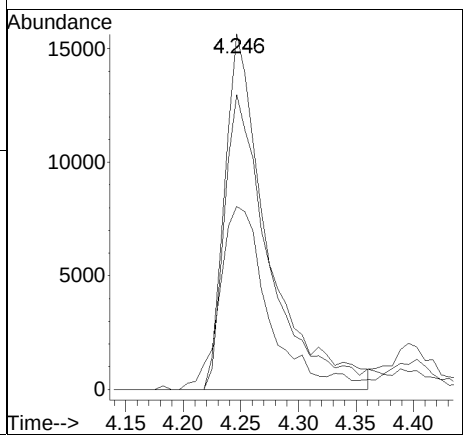


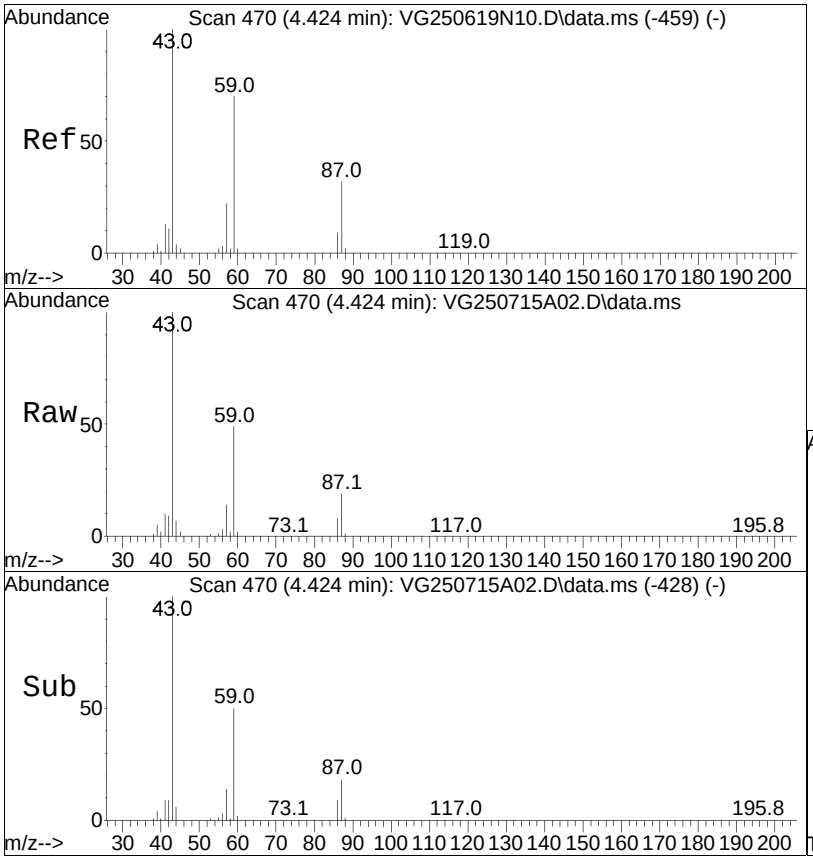


#25
Acrylonitrile
Concen: 10.88 ug/L
RT: 4.246 min Scan# 445
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 53 Resp: 41060

Ion	Ratio	Lower	Upper
53	100		
52	86.3	68.2	102.4
51	56.0	45.4	68.0

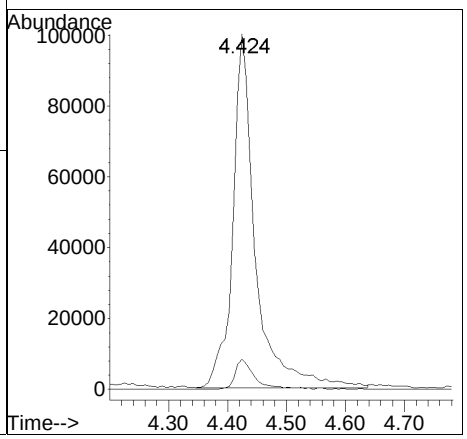


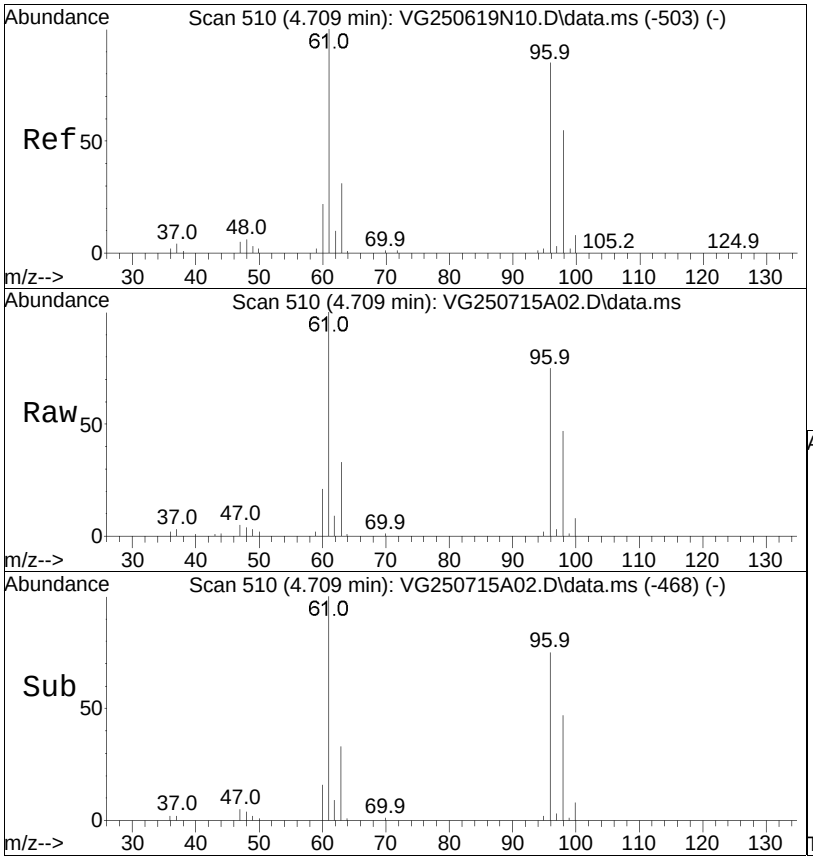


#27
Vinyl acetate
Concen: 10.47 ug/L
RT: 4.424 min Scan# 470
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 43 Resp: 265688

Ion	Ratio	Lower	Upper
43	100		
86	7.4	7.2	10.8

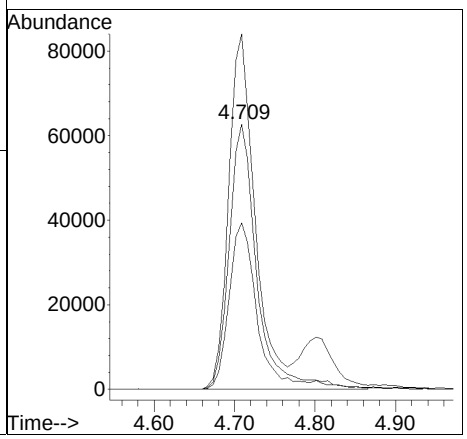


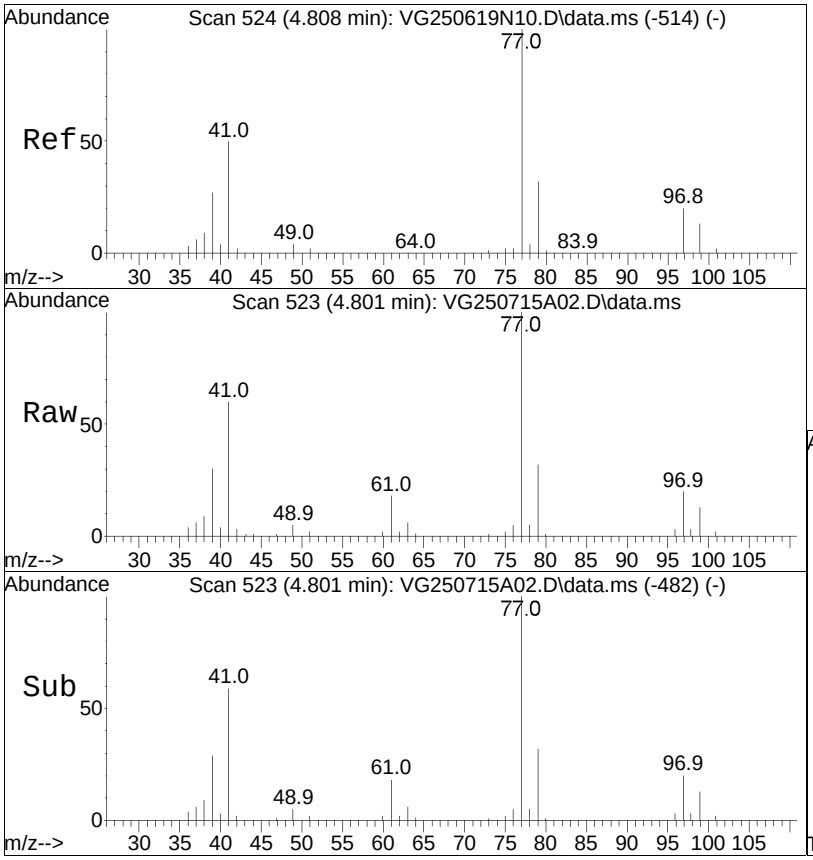


#28
cis-1,2-Dichloroethene
Concen: 9.61 ug/L
RT: 4.709 min Scan# 510
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 96 Resp: 150589

Ion	Ratio	Lower	Upper
96	100		
61	126.0	87.4	131.2
98	65.6	47.5	71.3

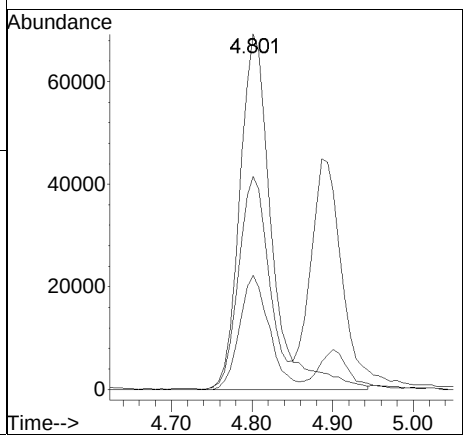


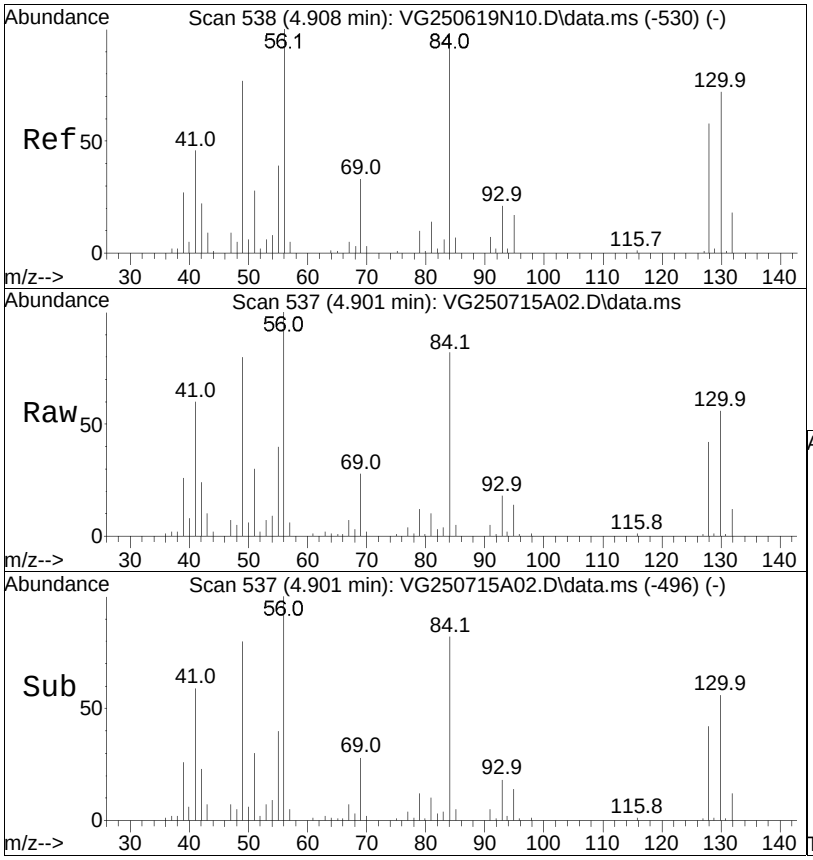


#29
2,2-Dichloropropane
Concen: 9.57 ug/L
RT: 4.801 min Scan# 523
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 77 Resp: 190652

Ion	Ratio	Lower	Upper
77	100		
41	56.9	32.2	66.8
79	30.1	19.5	40.5

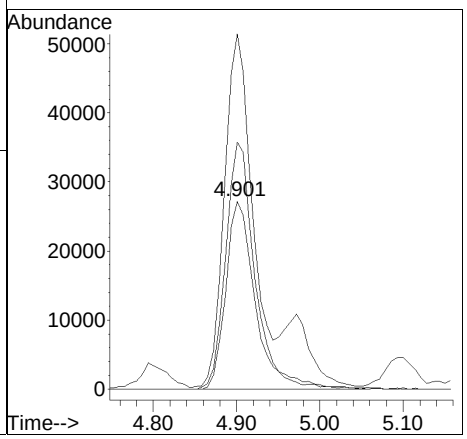


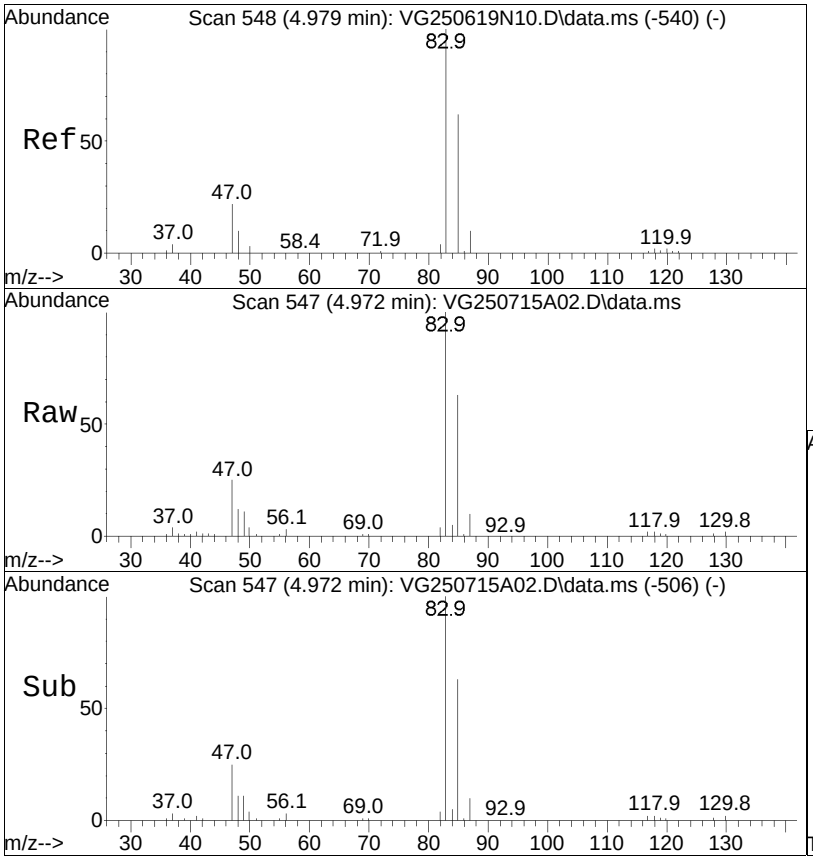


#30
Bromochloromethane
Concen: 9.16 ug/L
RT: 4.901 min Scan# 537
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:128 Resp: 67168

Ion	Ratio	Lower	Upper
128	100		
49	176.4	105.7	158.5#
130	132.0	100.9	151.3

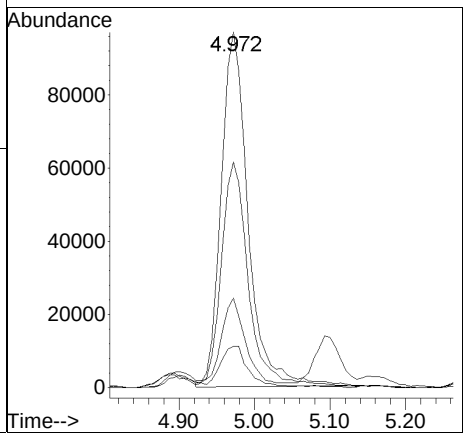


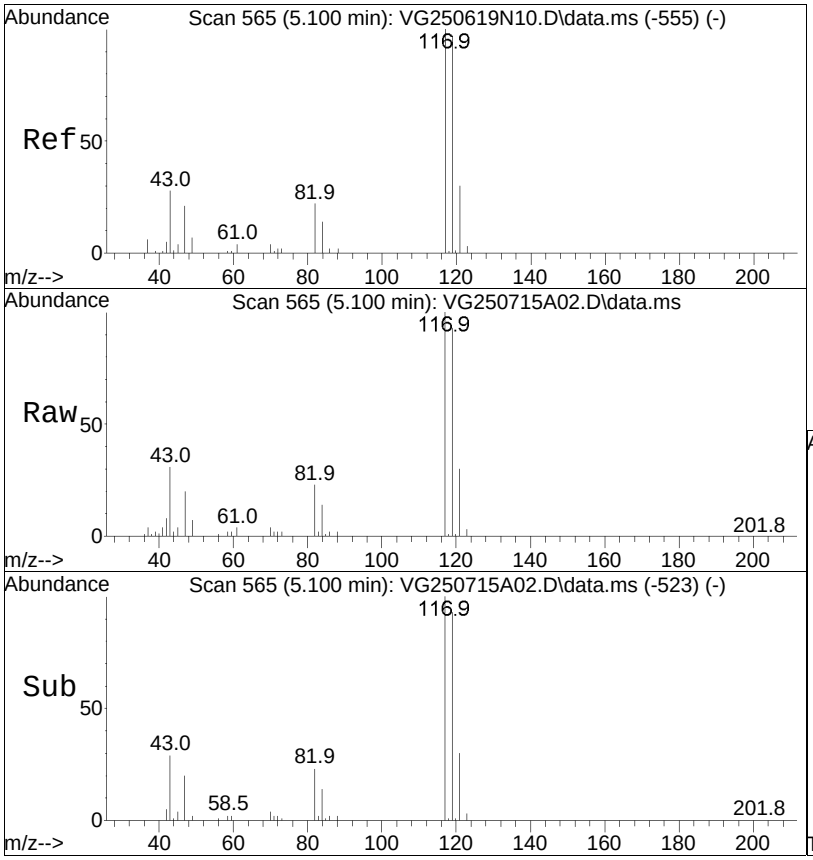


#32
Chloroform
Concen: 9.86 ug/L
RT: 4.972 min Scan# 547
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 83 Resp: 241497

Ion	Ratio	Lower	Upper
83	100		
85	63.7	40.8	84.6
47	23.4	13.5	28.1
48	12.1	7.2	15.0

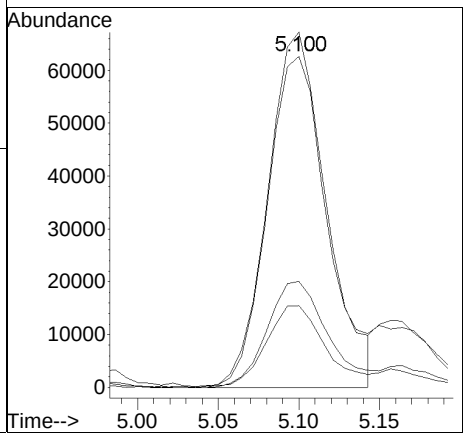


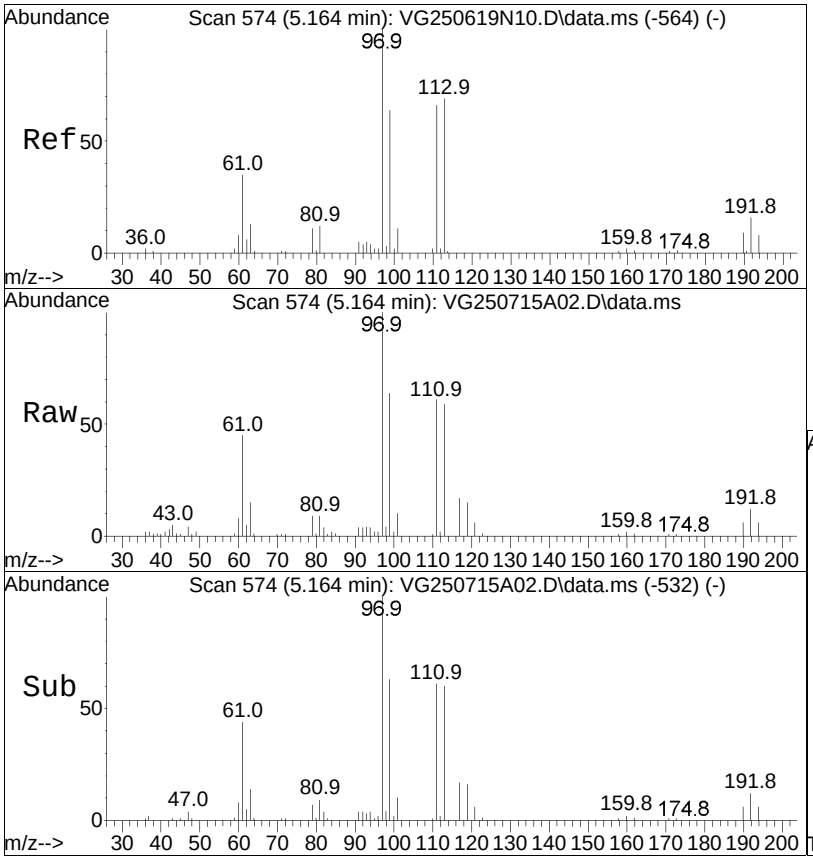


#34
Carbon tetrachloride
Concen: 8.70 ug/L
RT: 5.100 min Scan# 565
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:117 Resp: 170189

Ion	Ratio	Lower	Upper
117	100		
119	95.3	60.6	125.8
121	31.5	19.9	41.3
82	22.9	13.8	28.8

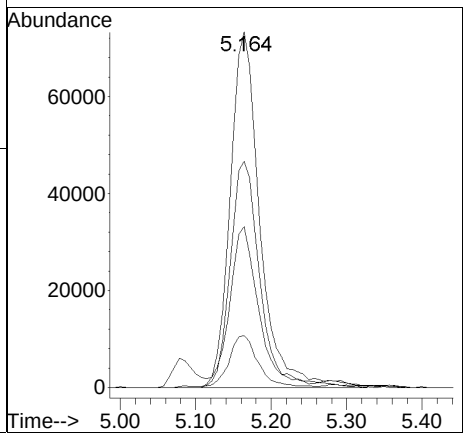


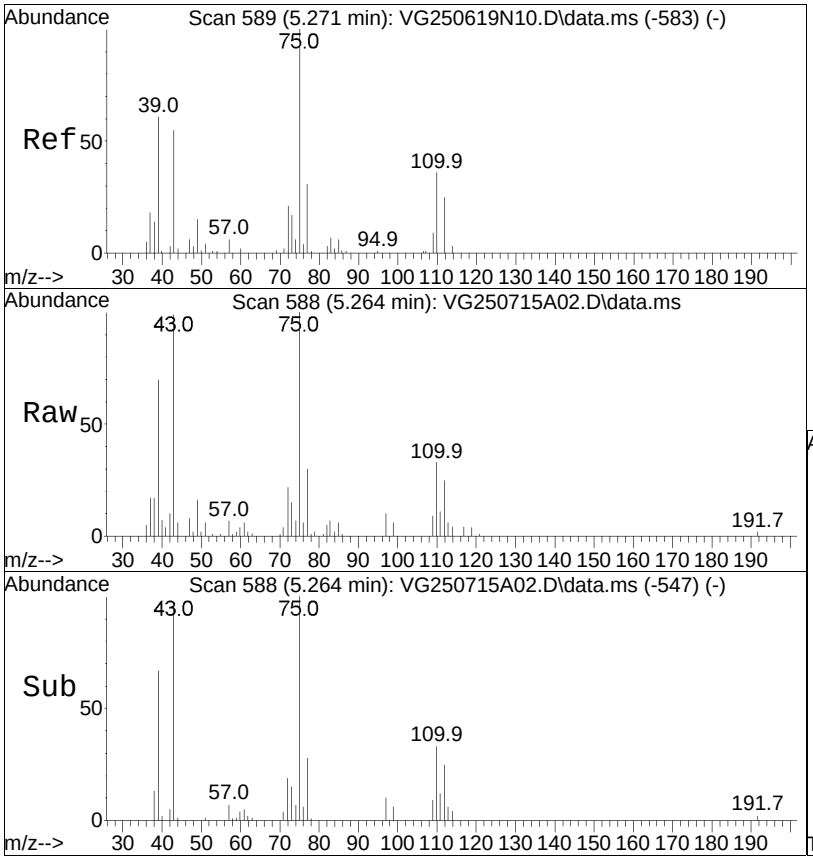


#37
1,1,1-Trichloroethane
Concen: 9.41 ug/L
RT: 5.164 min Scan# 574
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 97 Resp: 201703

Ion	Ratio	Lower	Upper
97	100		
99	63.6	41.0	85.0
61	44.0	26.7	55.4
63	13.7	8.6	17.8

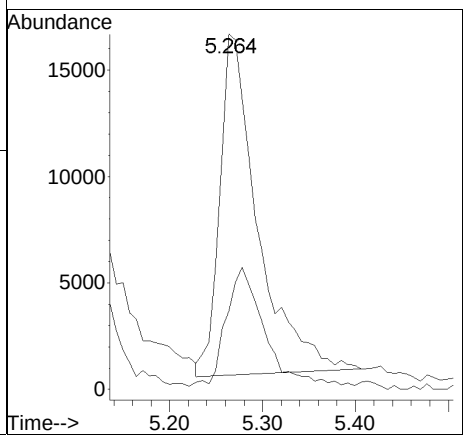


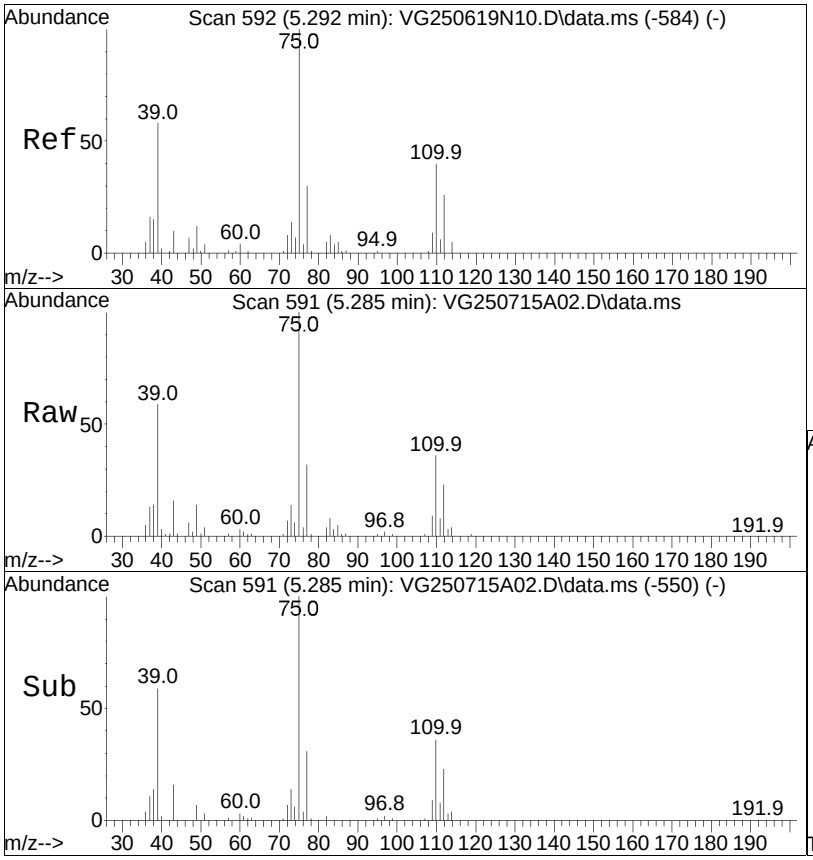


#39
2-Butanone
Concen: 10.26 ug/L
RT: 5.264 min Scan# 588
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 43 Resp: 45593

Ion	Ratio	Lower	Upper
43	100		
72	35.3	41.3	61.9#

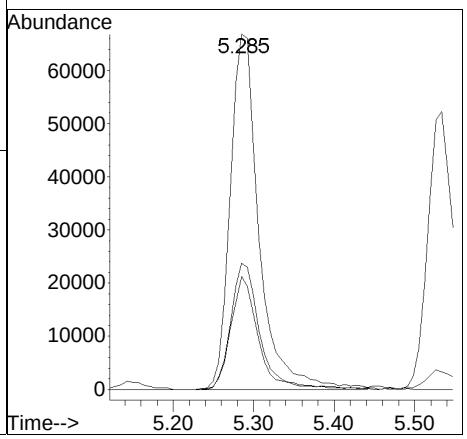


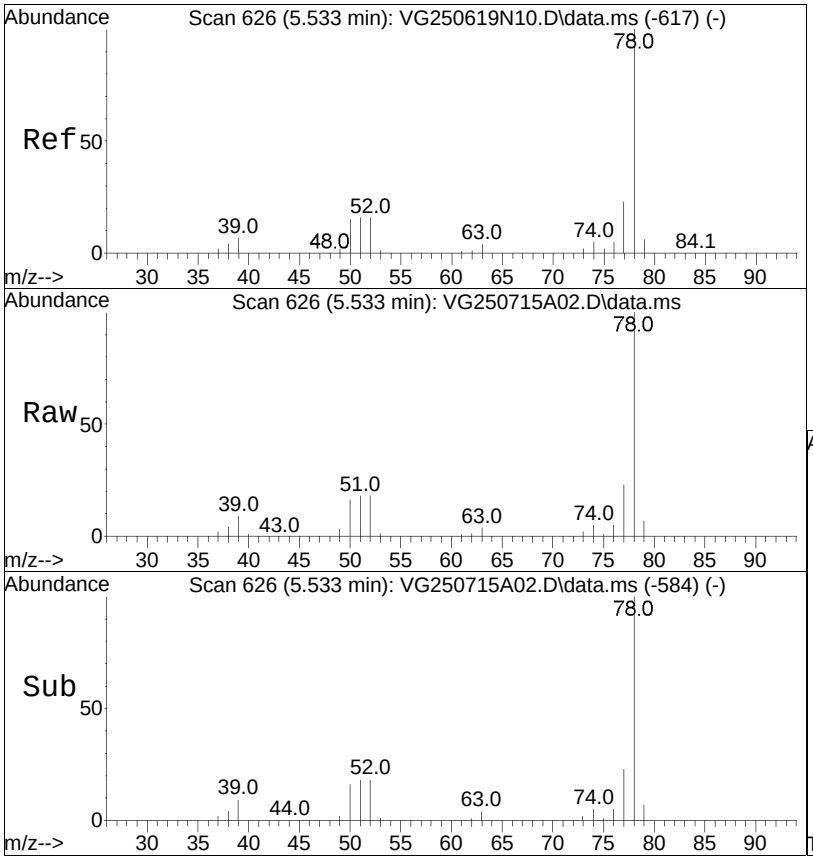


#40
1,1-Dichloropropene
Concen: 9.80 ug/L
RT: 5.285 min Scan# 591
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 75 Resp: 166939

Ion	Ratio	Lower	Upper
75	100		
110	35.8	25.5	53.1
77	30.2	19.7	40.9

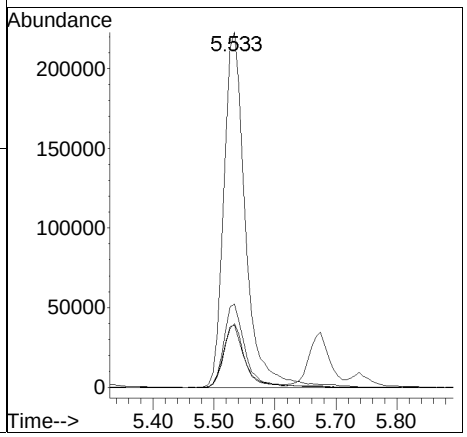


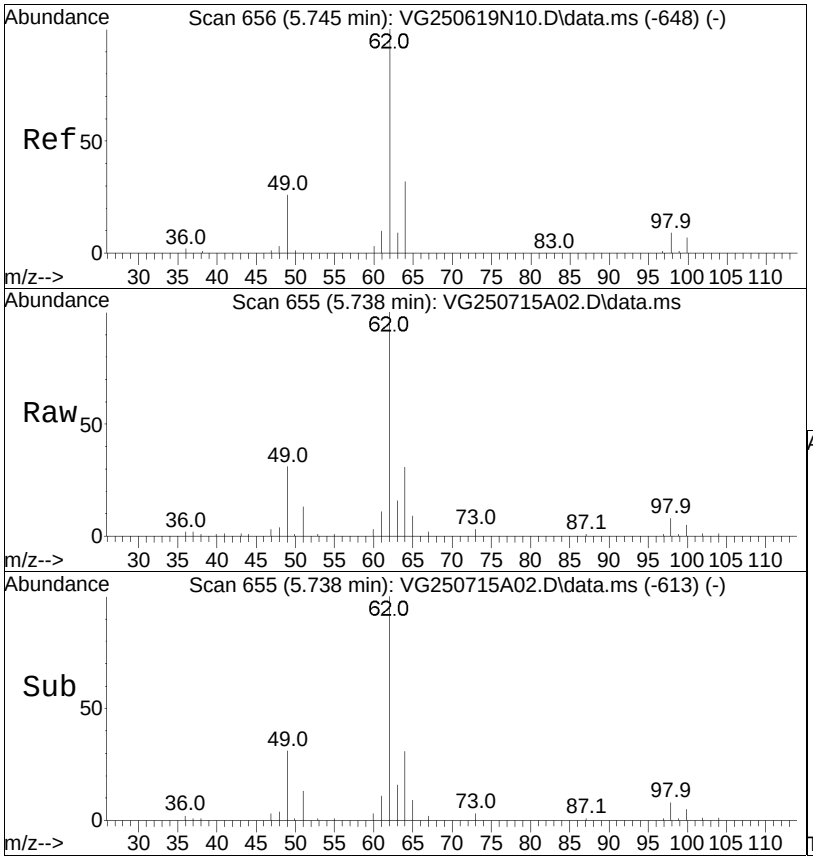


#41
Benzene
Concen: 10.33 ug/L
RT: 5.533 min Scan# 626
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 78 Resp: 552437

Ion	Ratio	Lower	Upper
78	100		
77	23.1	15.1	31.3
51	16.9	10.3	21.3
52	17.3	9.9	20.7

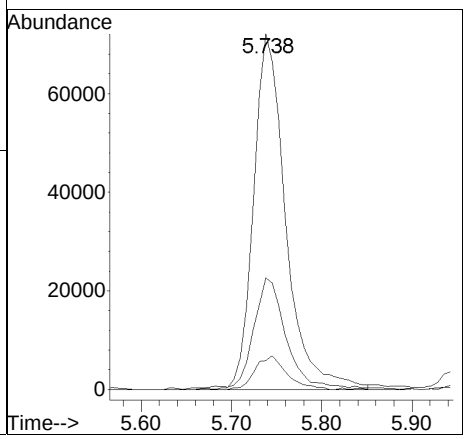


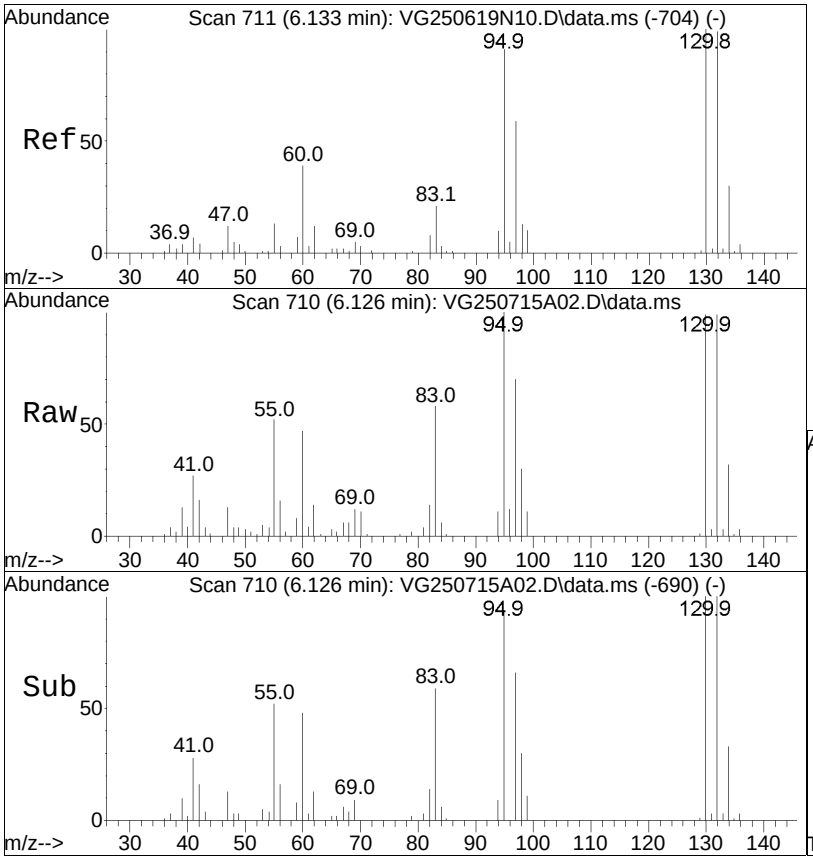


#44
1,2-Dichloroethane
Concen: 10.19 ug/L
RT: 5.738 min Scan# 655
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 62 Resp: 178646

Ion	Ratio	Lower	Upper
62	100		
64	32.4	10.9	50.9
98	9.2	0.0	29.9

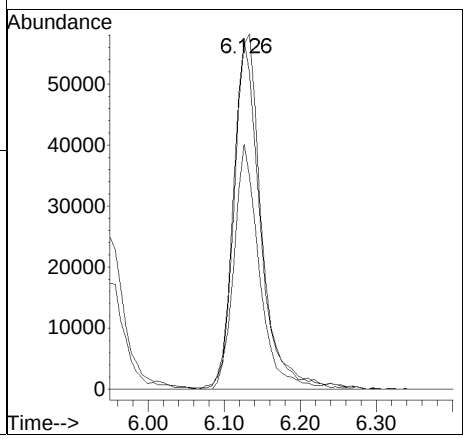


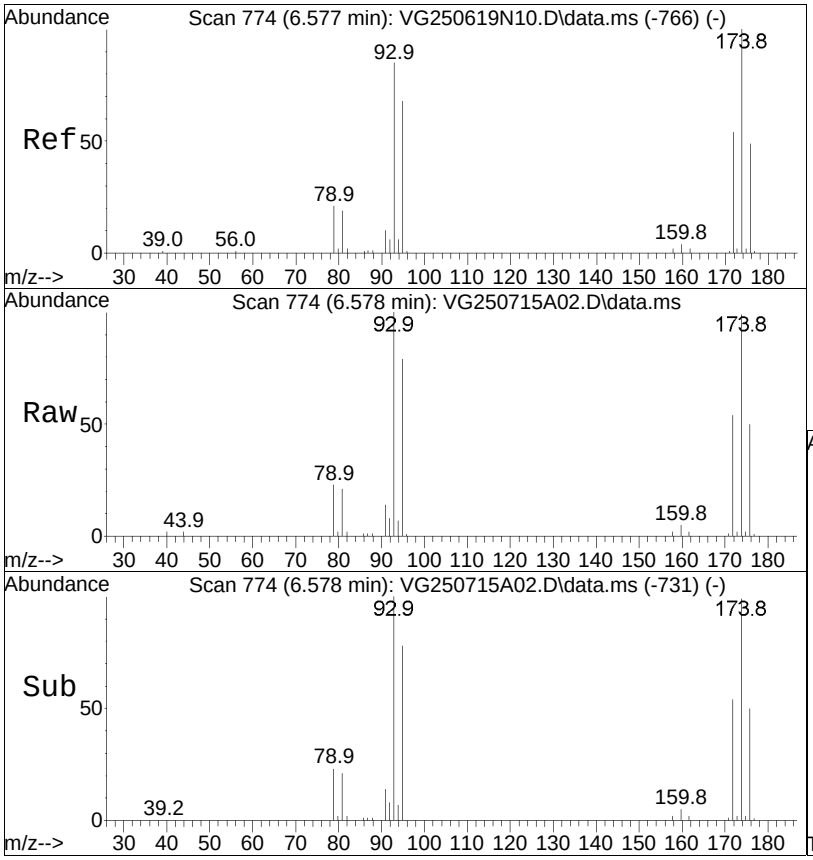


#48
Trichloroethene
Concen: 9.69 ug/L
RT: 6.126 min Scan# 710
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 95 Resp: 141986

Ion	Ratio	Lower	Upper
95	100		
97	65.5	53.8	80.6
130	102.7	87.0	130.6

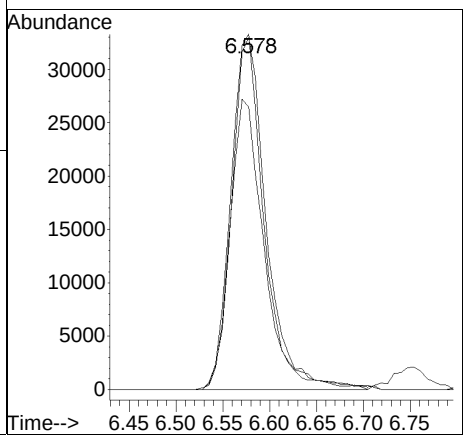


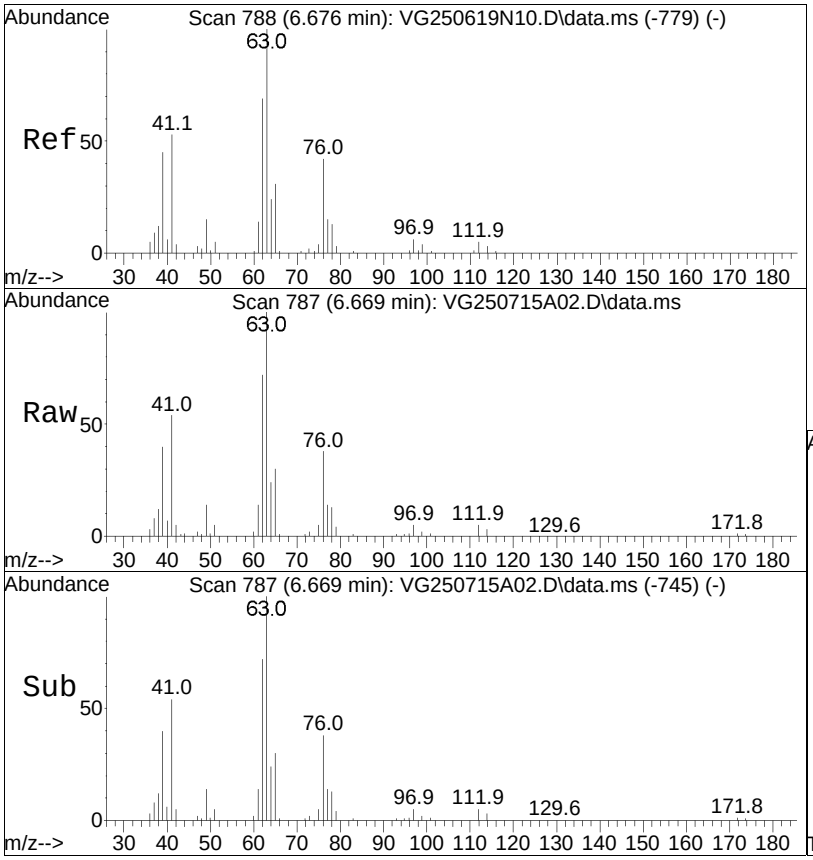


#50
Dibromomethane
Concen: 9.27 ug/L
RT: 6.578 min Scan# 774
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 93 Resp: 82096

Ion	Ratio	Lower	Upper
93	100		
95	84.6	66.6	99.8
174	102.6	97.8	146.6

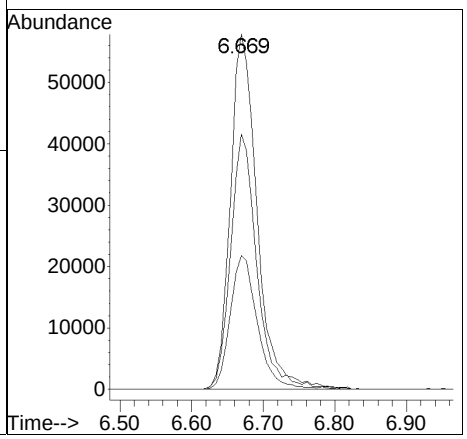


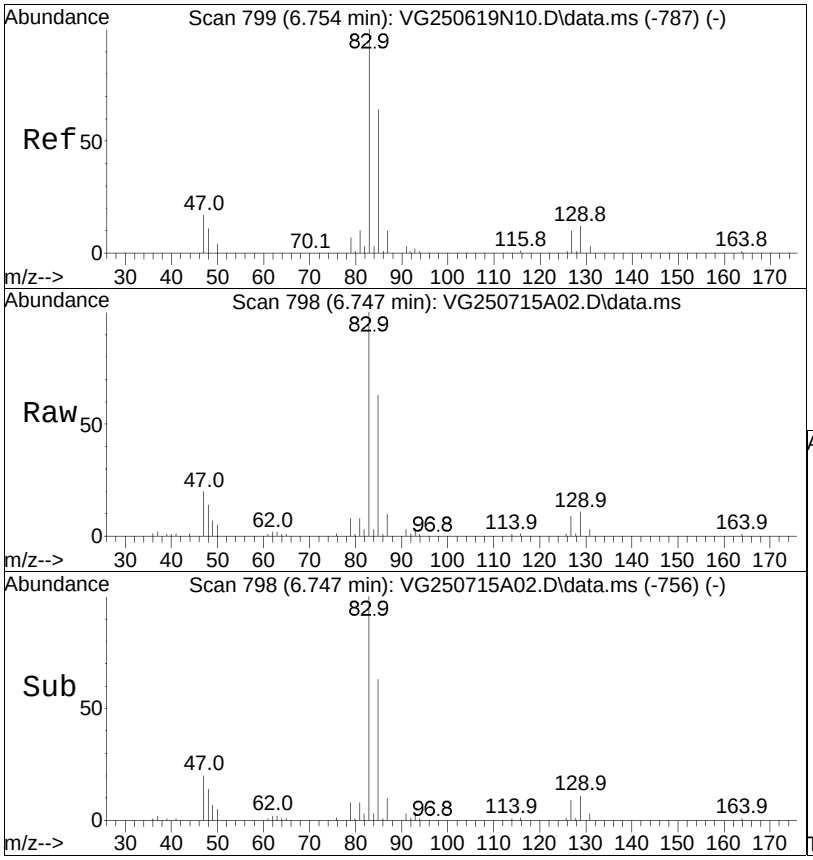


#51
1,2-Dichloropropane
Concen: 10.95 ug/L
RT: 6.669 min Scan# 787
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 63 Resp: 150527

Ion	Ratio	Lower	Upper
63	100		
62	70.9	54.1	81.1
76	38.6	33.8	50.6

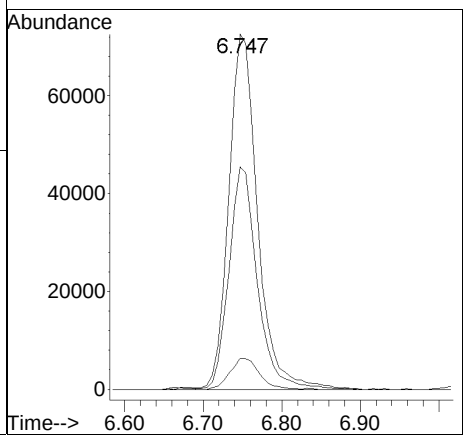


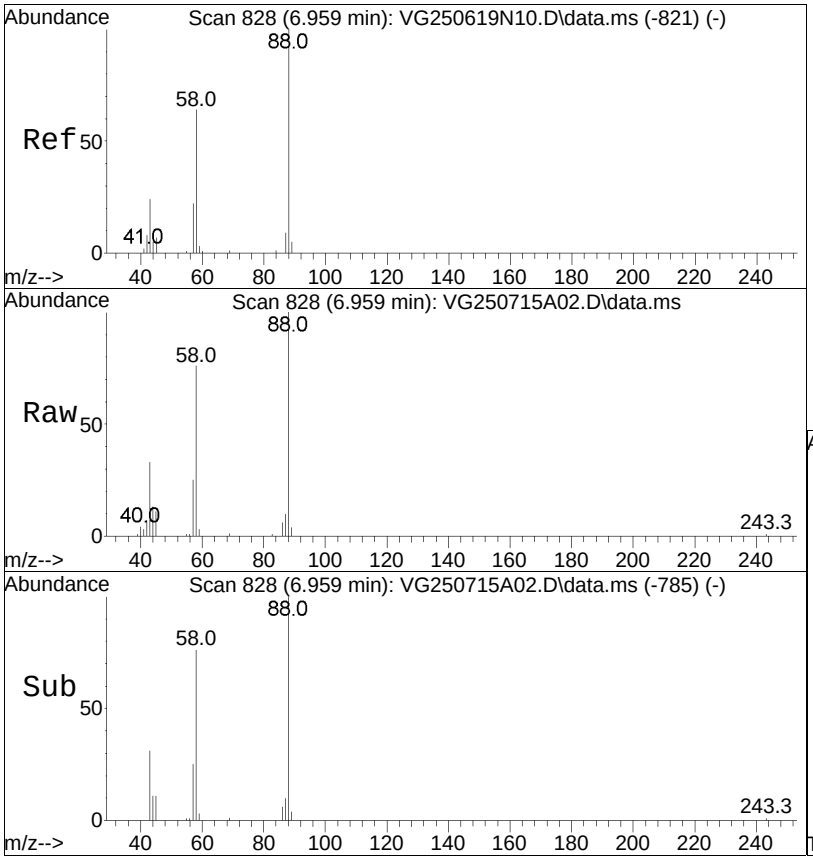


#54
Bromodichloromethane
Concen: 9.54 ug/L
RT: 6.747 min Scan# 798
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 83 Resp: 185338

Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.0	76.6
127	8.9	7.8	11.6

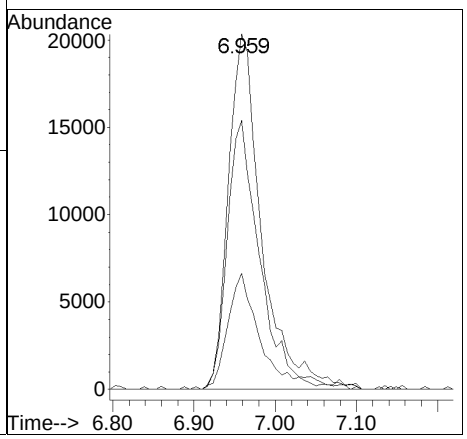


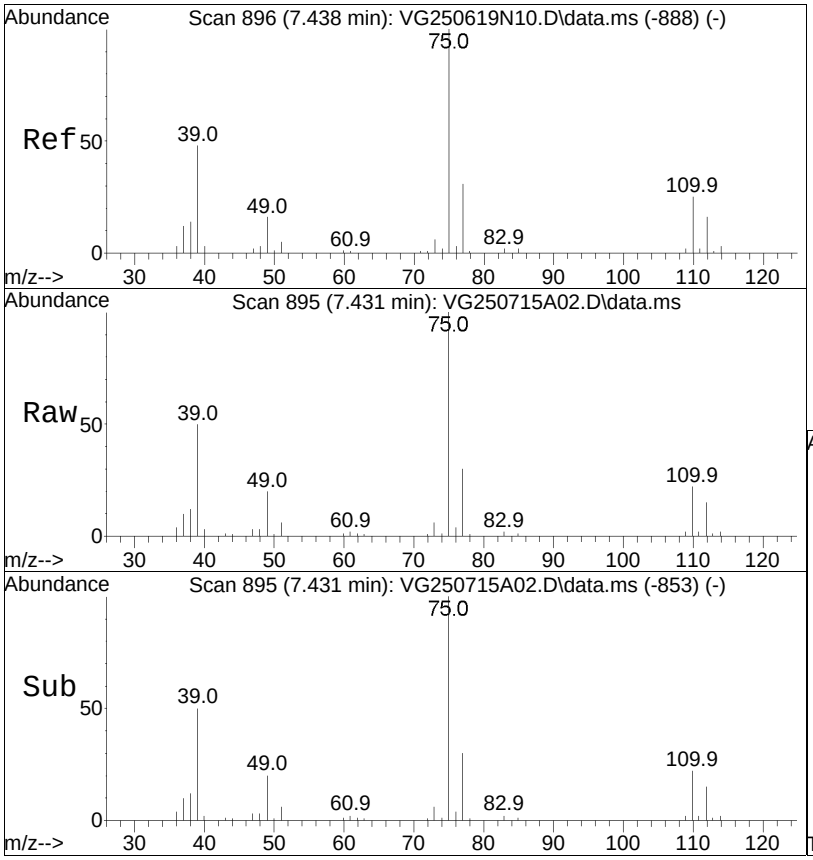


#57
1,4-Dioxane
Concen: 414.50 ug/L
RT: 6.959 min Scan# 828
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 88 Resp: 58296

Ion	Ratio	Lower	Upper
88	100		
58	73.9	49.8	74.8
43	32.5	22.0	33.0

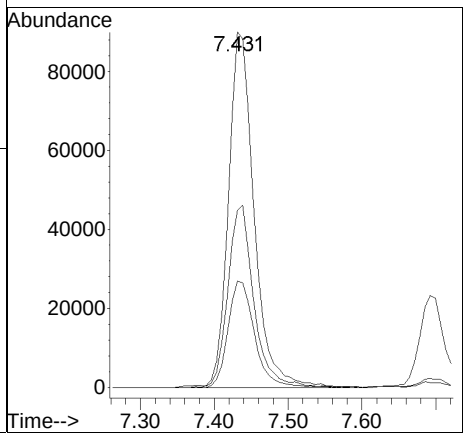


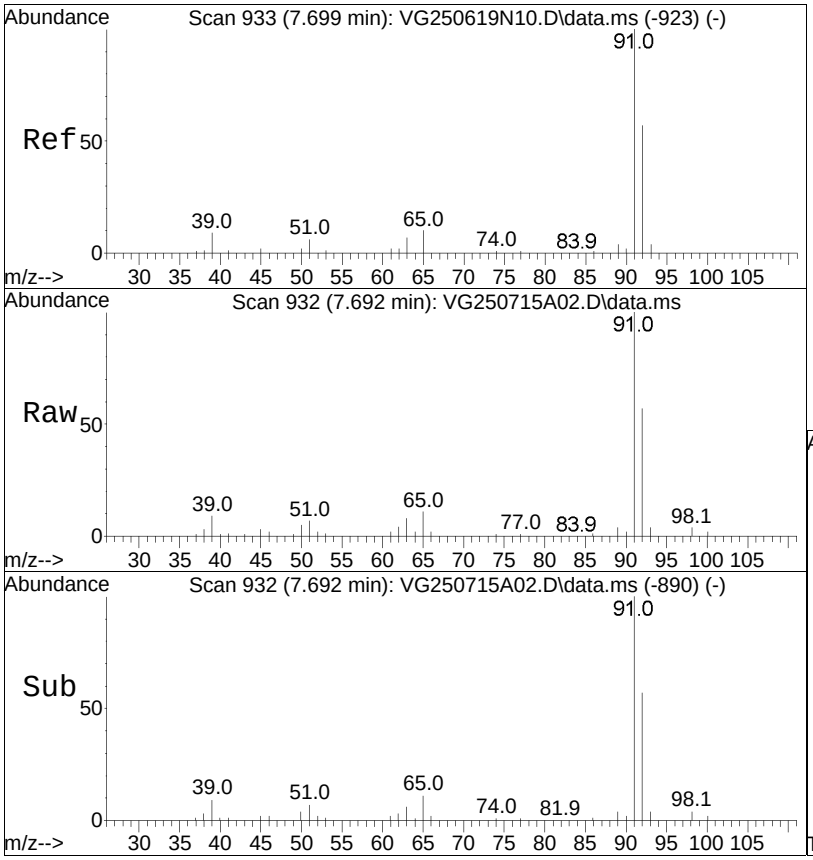


#58
cis-1,3-Dichloropropene
Concen: 9.56 ug/L
RT: 7.431 min Scan# 895
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 75 Resp: 217498

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.2	37.8
39	52.1	39.9	59.9

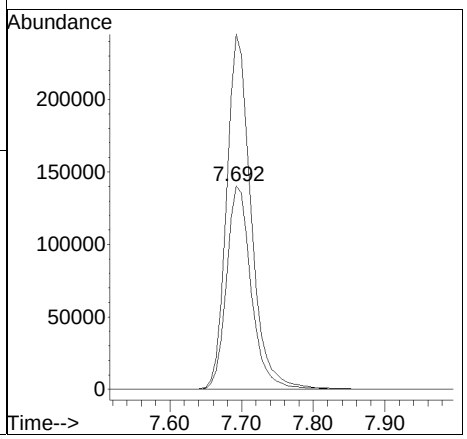


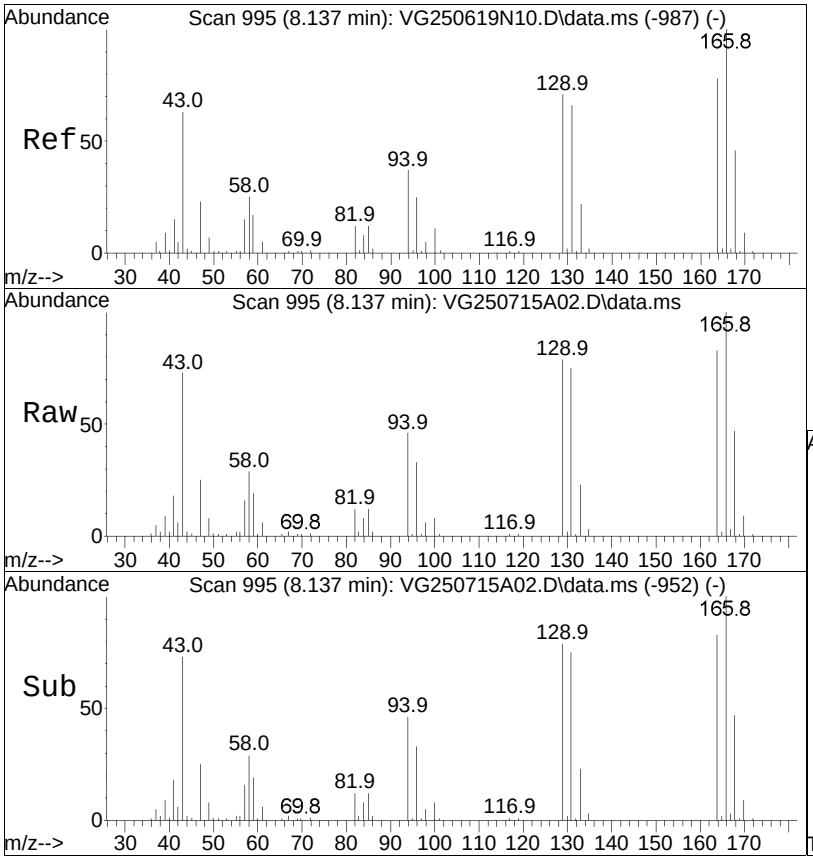


#61
Toluene
Concen: 10.05 ug/L
RT: 7.692 min Scan# 932
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 92 Resp: 337851

Ion	Ratio	Lower	Upper
92	100		
91	172.2	138.2	207.2

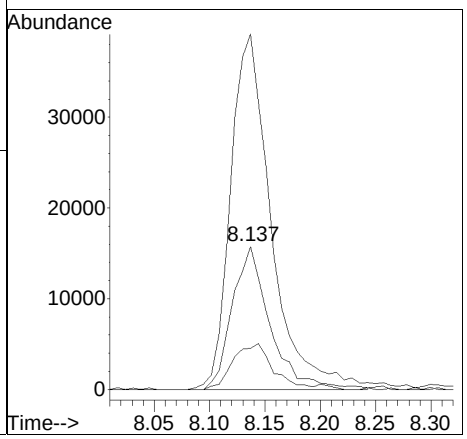


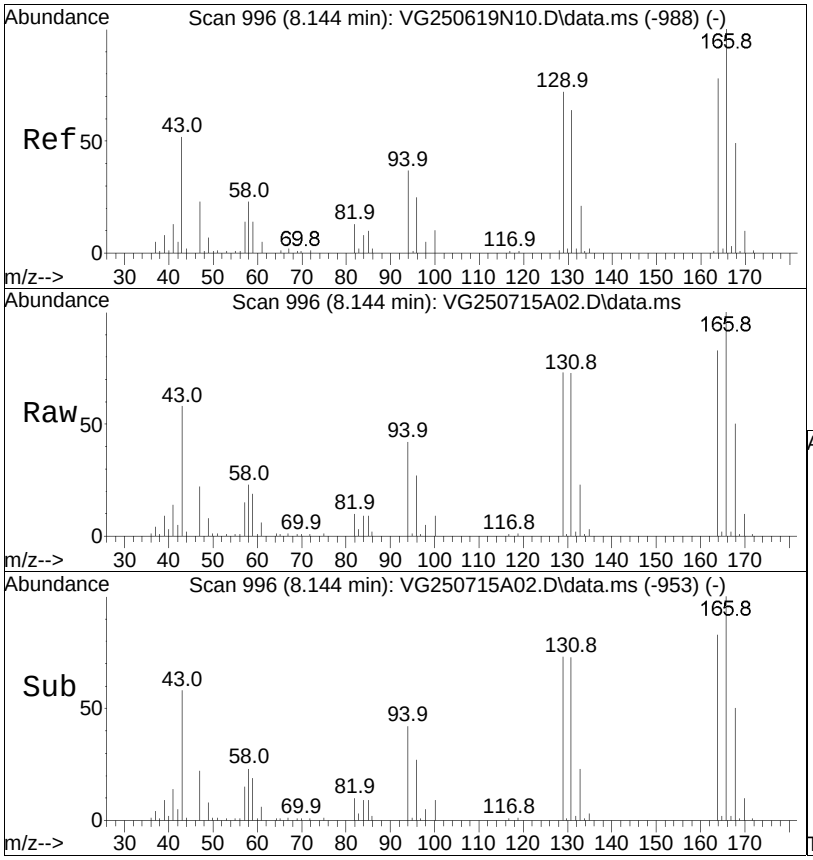


#62
4-Methyl-2-pentanone
Concen: 9.13 ug/L
RT: 8.137 min Scan# 995
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 58 Resp: 37452

Ion	Ratio	Lower	Upper
58	100		
100	33.7	33.9	50.9#
43	269.8	193.0	289.6

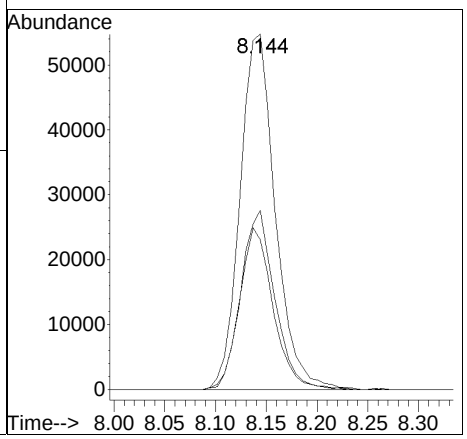


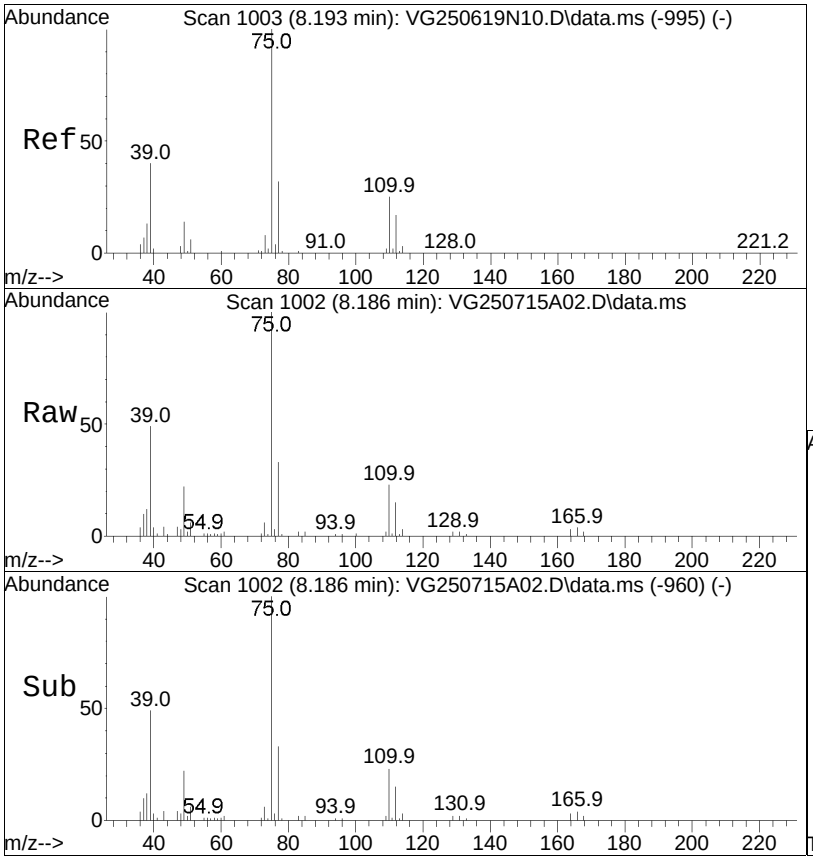


#63
Tetrachloroethene
Concen: 8.51 ug/L
RT: 8.144 min Scan# 996
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:166 Resp: 132404

Ion	Ratio	Lower	Upper
166	100		
168	48.4	27.6	67.6
94	43.4	16.7	56.7

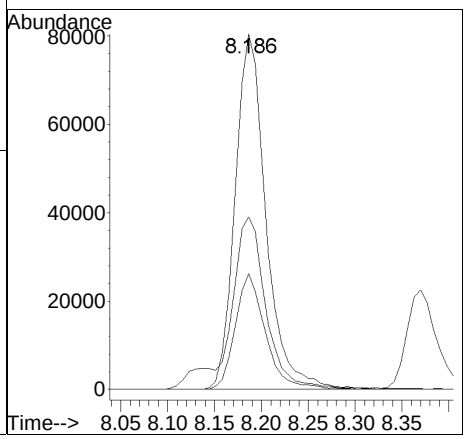


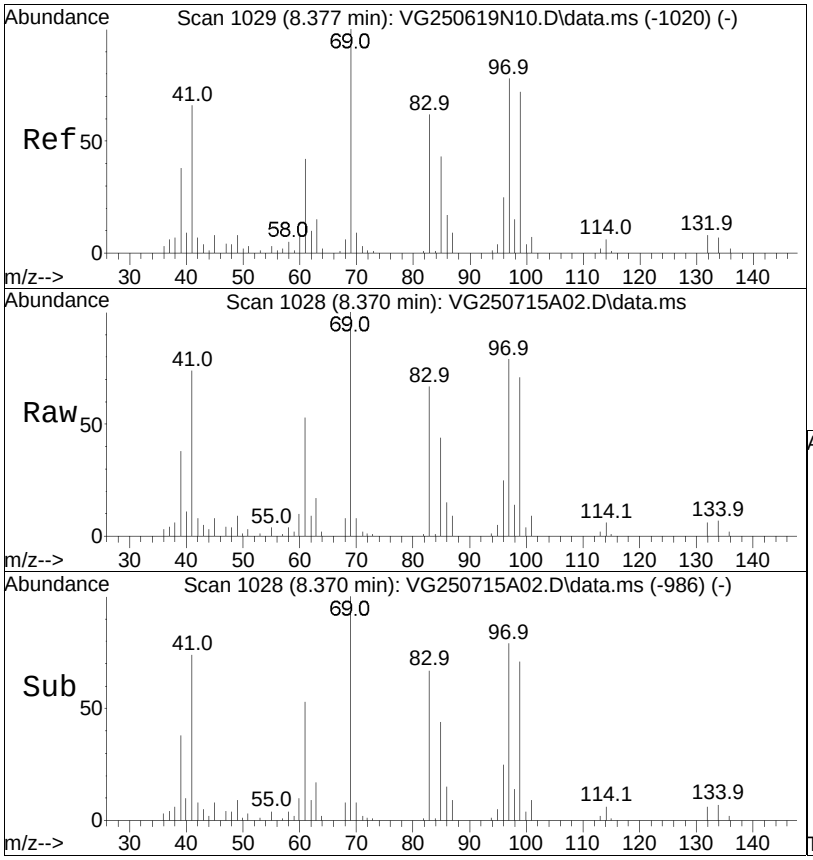


#65
trans-1,3-Dichloropropene
Concen: 9.50 ug/L
RT: 8.186 min Scan# 1002
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 75 Resp: 184374

Ion	Ratio	Lower	Upper
75	100		
77	31.9	11.5	51.5
39	56.7	27.6	67.6

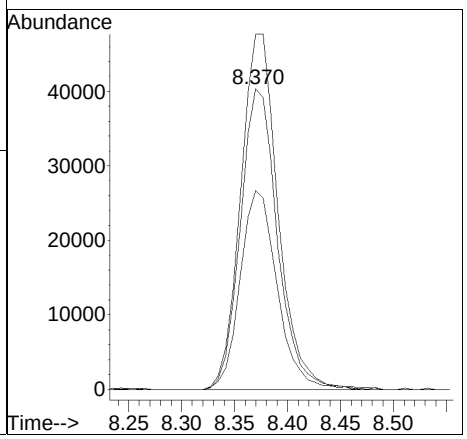


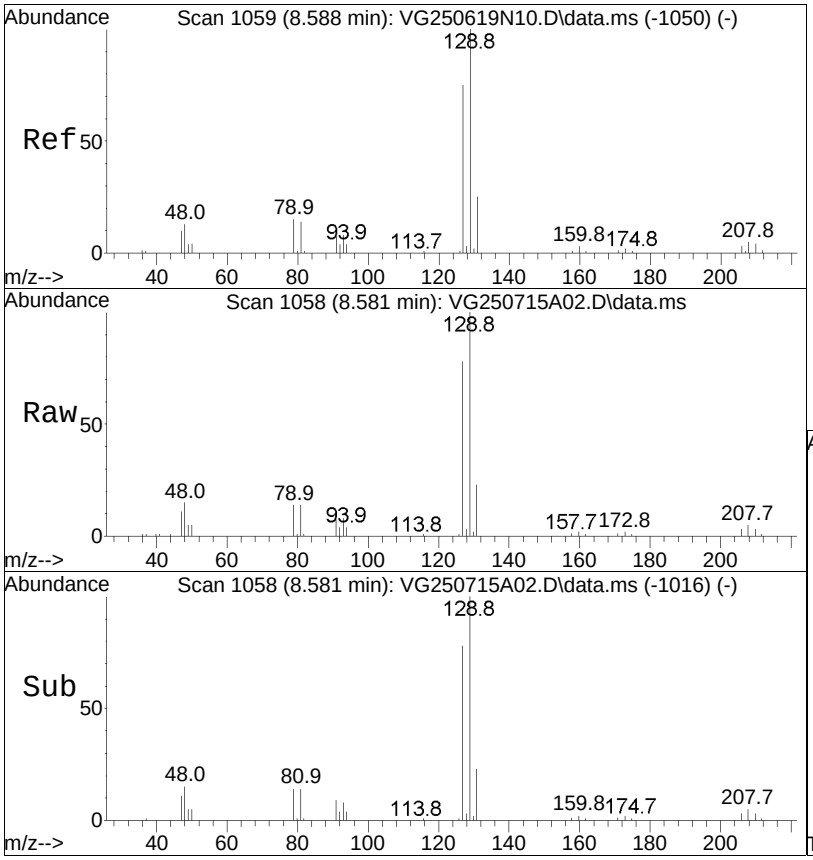


#68
1,1,2-Trichloroethane
Concen: 9.84 ug/L
RT: 8.370 min Scan# 1028
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 83 Resp: 98188

Ion	Ratio	Lower	Upper
83	100		
97	119.3	103.4	143.4
85	66.1	48.6	88.6

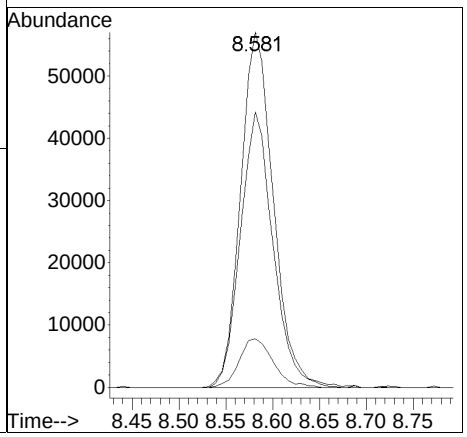


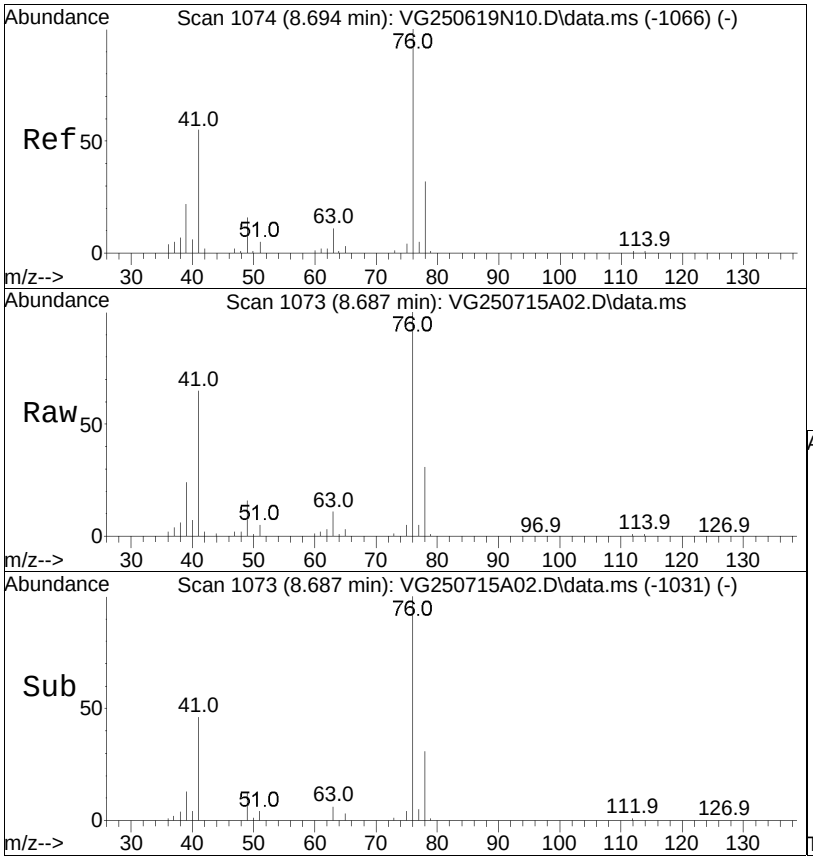


#69
Chlorodibromomethane
Concen: 8.72 ug/L
RT: 8.581 min Scan# 1058
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:129 Resp: 138996

Ion	Ratio	Lower	Upper
129	100		
81	14.2	0.0	34.8
127	76.9	57.0	97.0

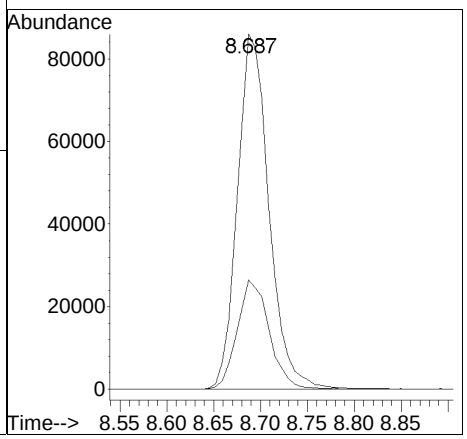


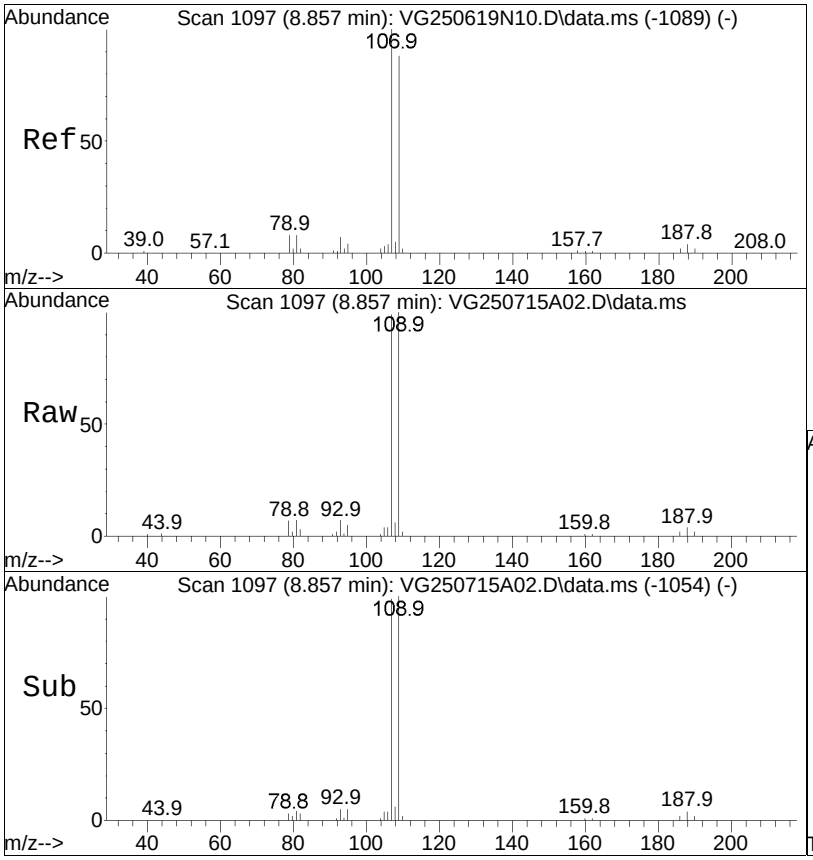


#70
1,3-Dichloropropane
Concen: 10.38 ug/L
RT: 8.687 min Scan# 1073
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 76 Resp: 201642

Ion	Ratio	Lower	Upper
76	100		
78	31.3	25.3	37.9

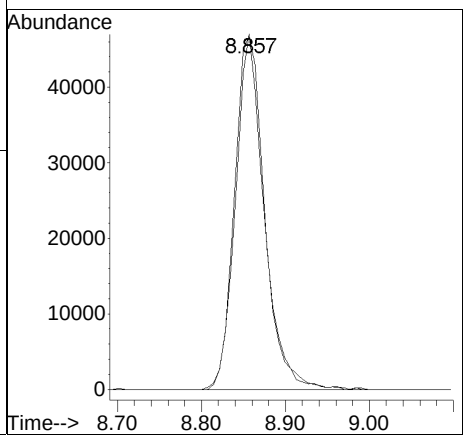


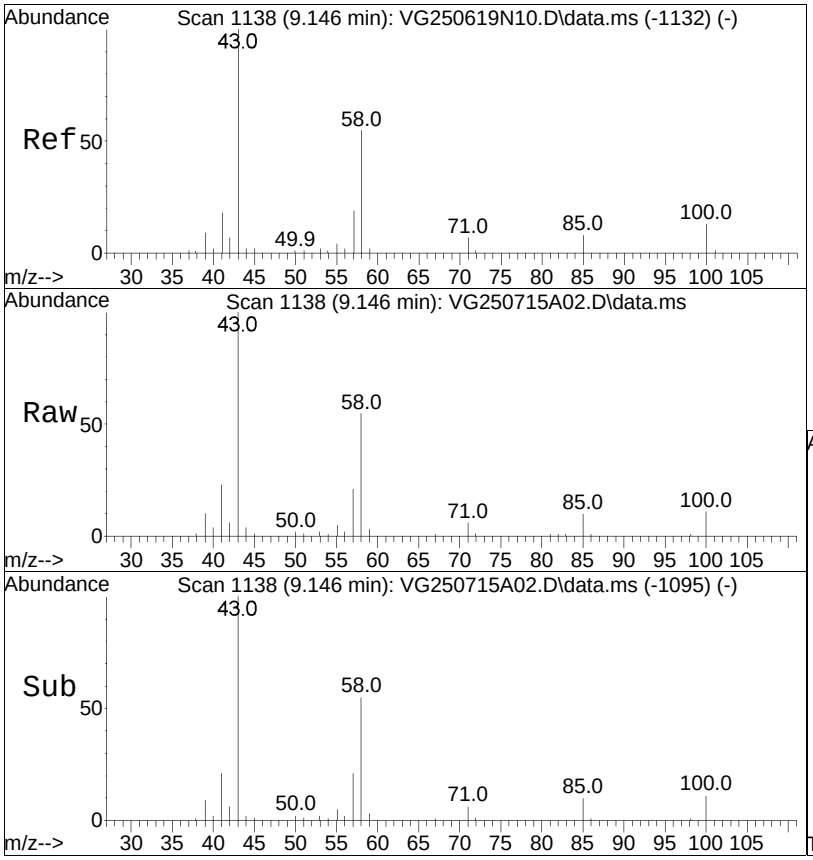


#71
1,2-Dibromoethane
Concen: 9.30 ug/L
RT: 8.857 min Scan# 1097
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:107 Resp: 117857

Ion	Ratio	Lower	Upper
107	100		
109	93.6	74.6	111.8

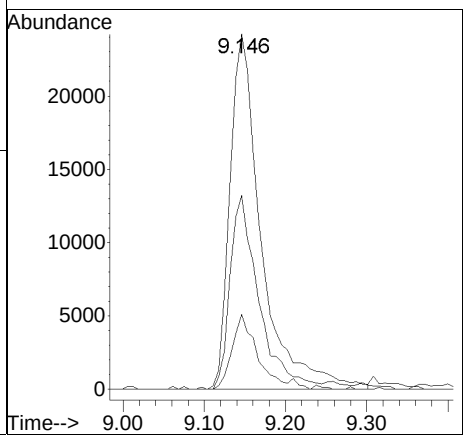


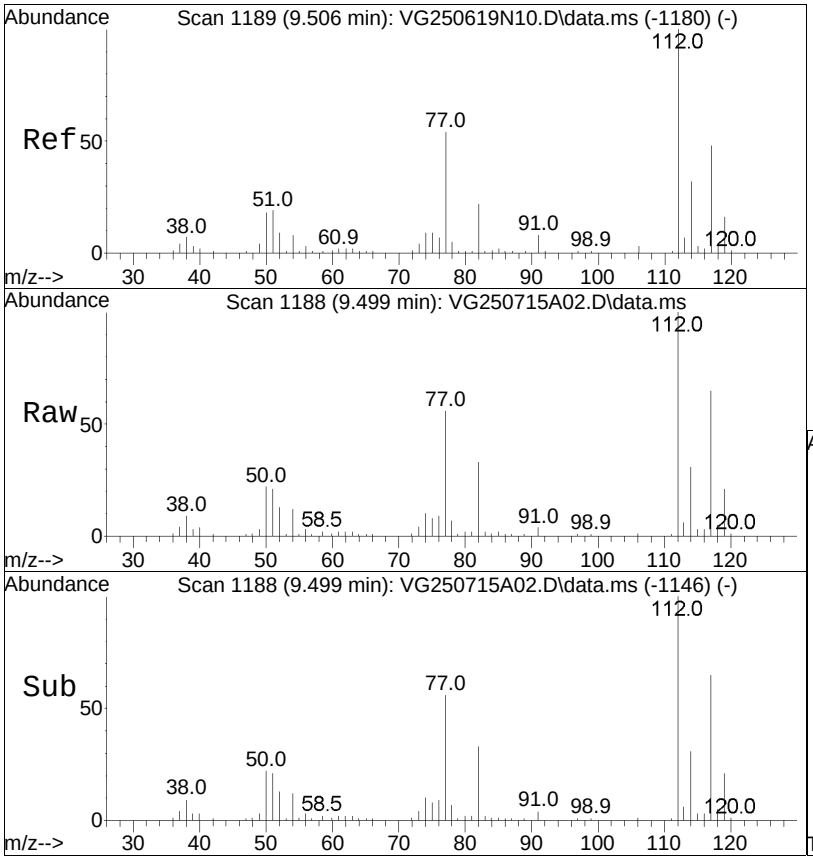


#72
2-Hexanone
Concen: 9.58 ug/L
RT: 9.146 min Scan# 1138
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 43 Resp: 65229

Ion	Ratio	Lower	Upper
43	100		
58	50.0	44.0	66.0
57	17.6	15.7	23.5

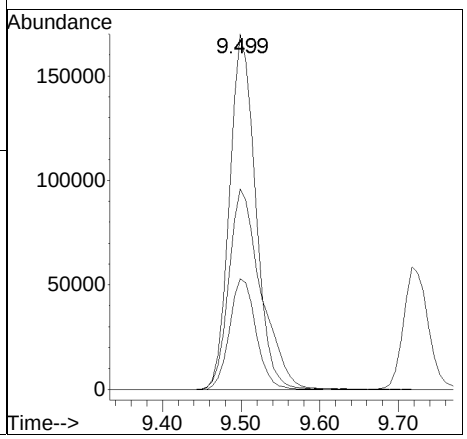


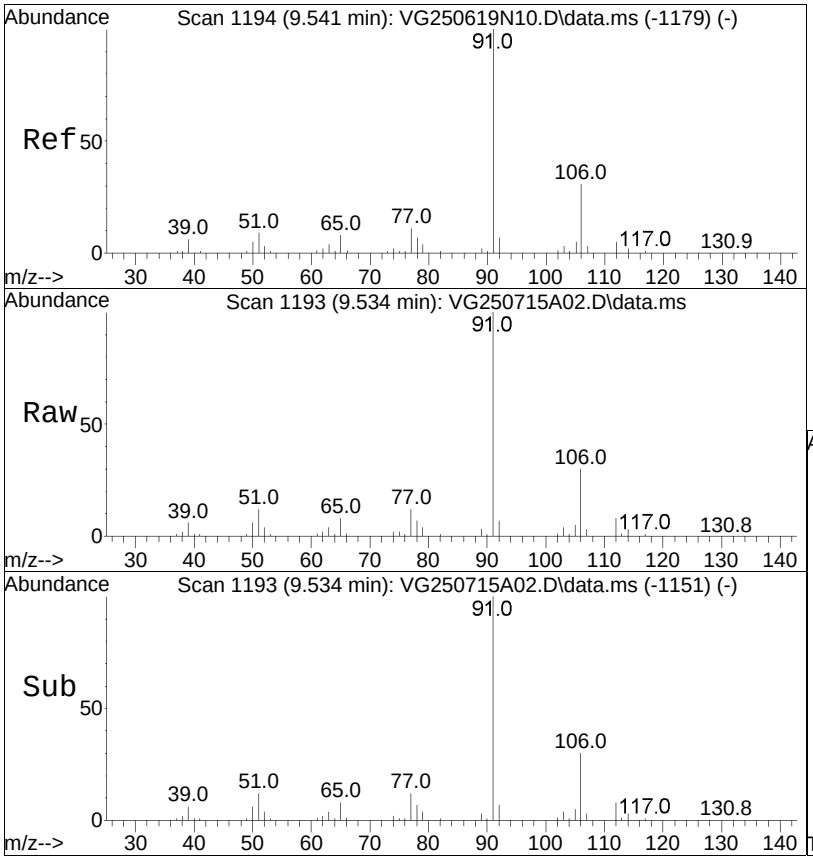


#73
Chlorobenzene
Concen: 9.81 ug/L
RT: 9.499 min Scan# 1188
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:112 Resp: 390938

Ion	Ratio	Lower	Upper
112	100		
77	70.4	53.5	80.3
114	31.7	25.8	38.6

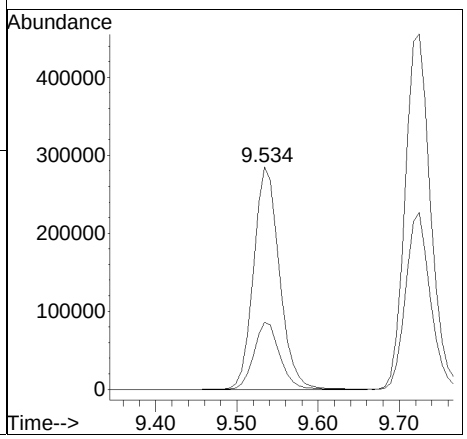


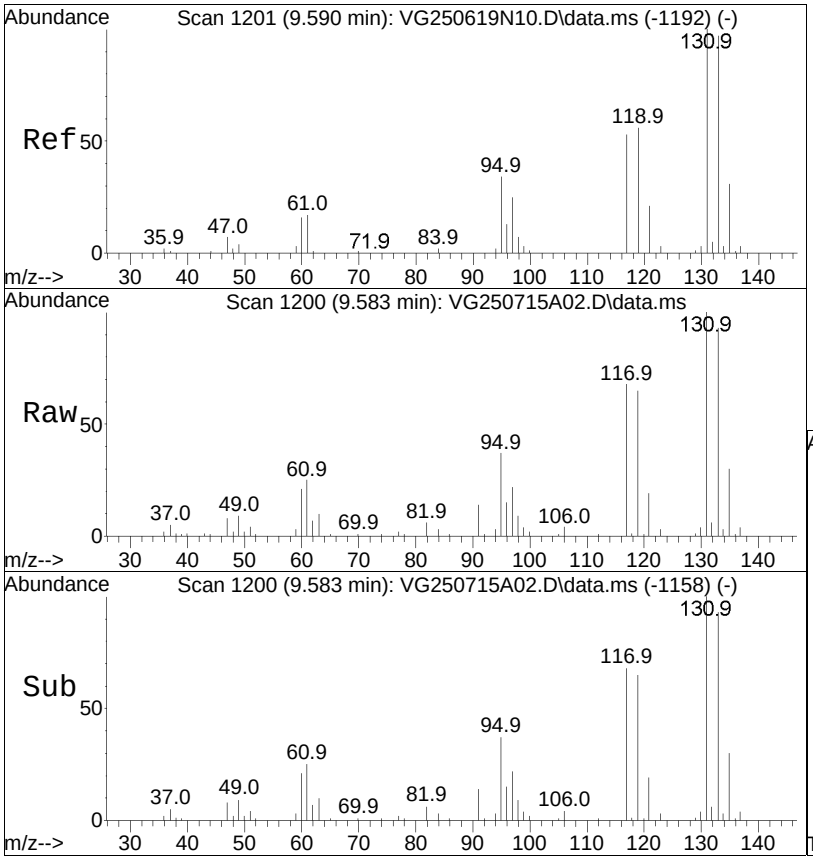


#74
Ethylbenzene
Concen: 9.84 ug/L
RT: 9.534 min Scan# 1193
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 91 Resp: 633476

Ion	Ratio	Lower	Upper
91	100		
106	30.0	25.0	37.6

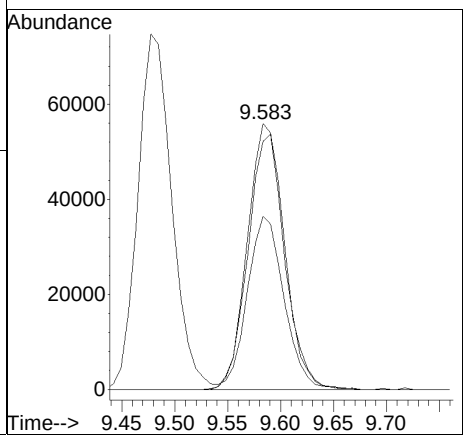


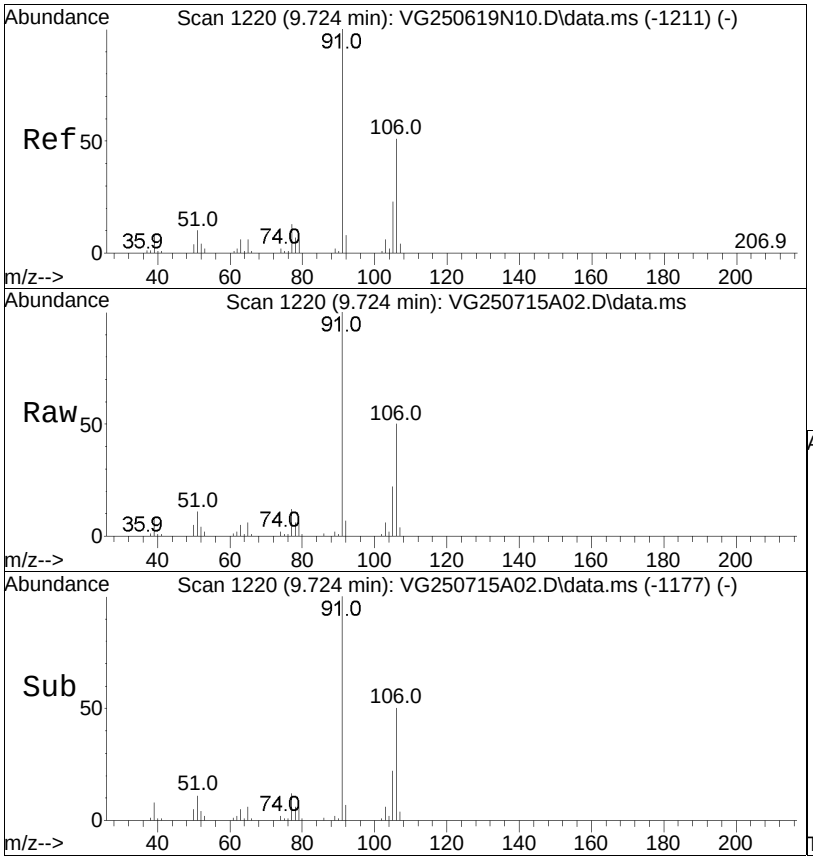


#75
1,1,1,2-Tetrachloroethane
Concen: 8.92 ug/L
RT: 9.583 min Scan# 1200
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:131 Resp: 136698

Ion	Ratio	Lower	Upper
131	100		
133	94.3	76.7	116.7
119	64.0	41.9	81.9

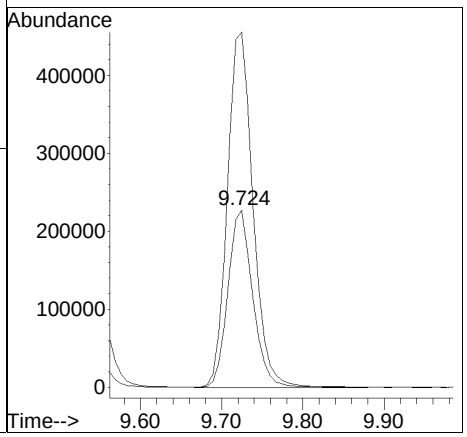


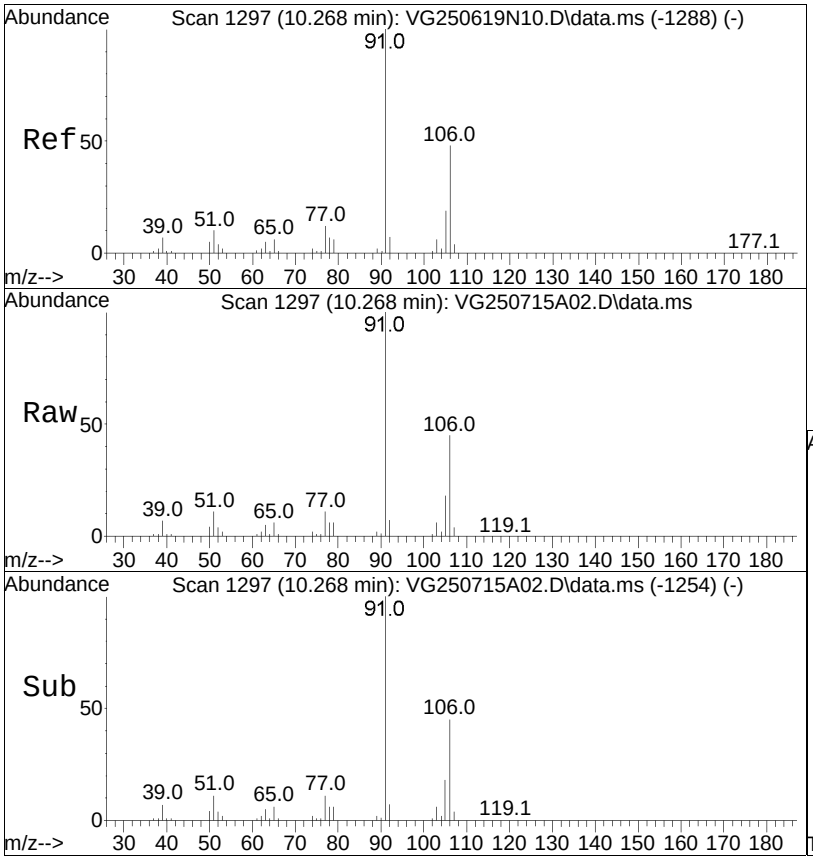


#76
p/m Xylene
Concen: 18.83 ug/L
RT: 9.724 min Scan# 1220
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:106 Resp: 482835

Ion	Ratio	Lower	Upper
106	100		
91	206.0	154.8	232.2

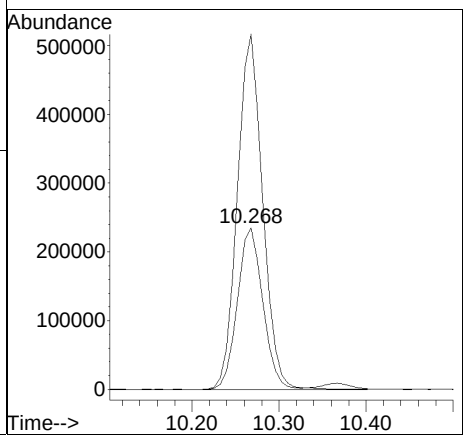


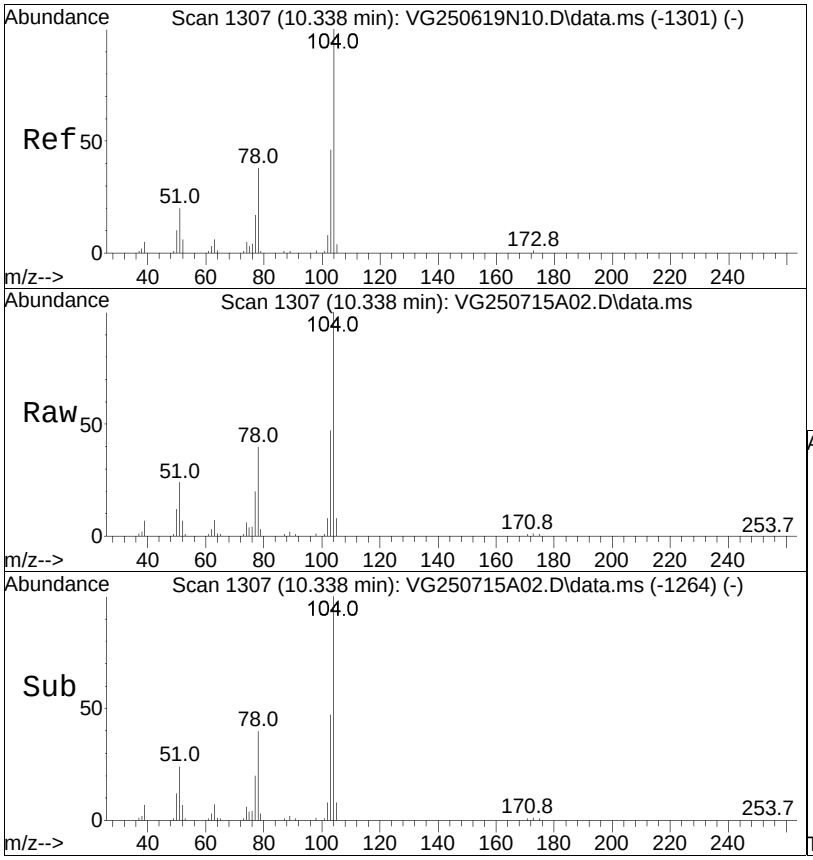


#77
o Xylene
Concen: 18.67 ug/L
RT: 10.268 min Scan# 1297
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:106 Resp: 480084

Ion	Ratio	Lower	Upper
106	100		
91	216.7	166.0	249.0

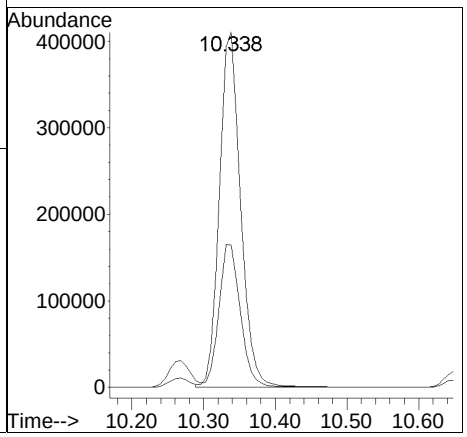


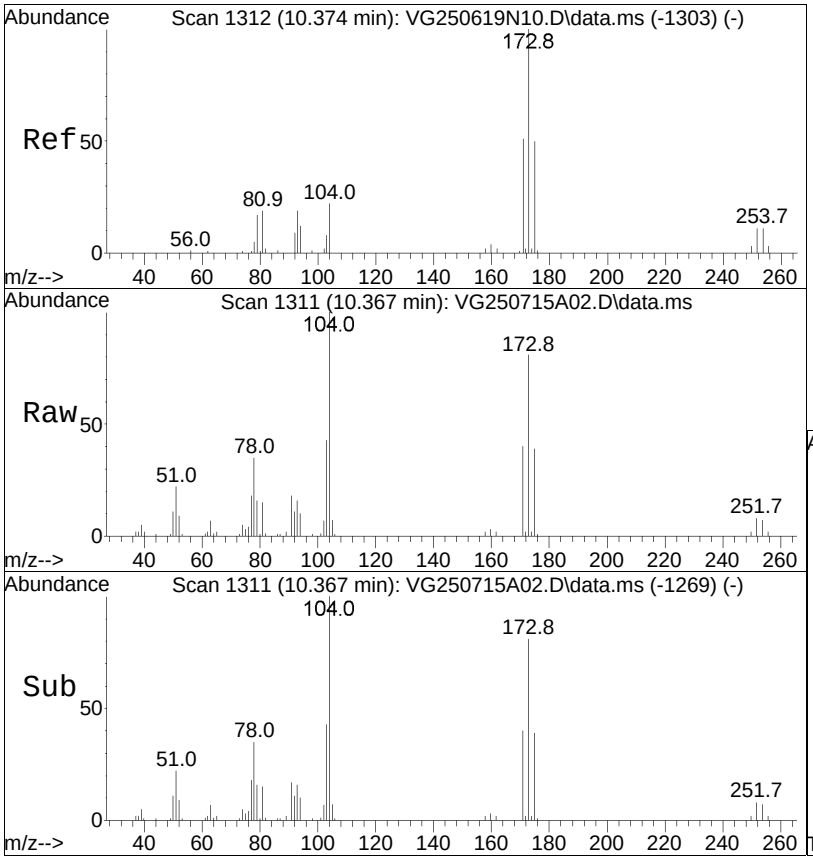


#78
Styrene
Concen: 19.14 ug/L
RT: 10.338 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:104 Resp: 844331

Ion	Ratio	Lower	Upper
104	100		
78	40.8	31.4	47.2

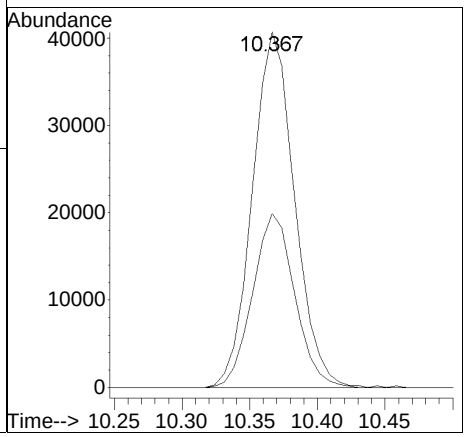


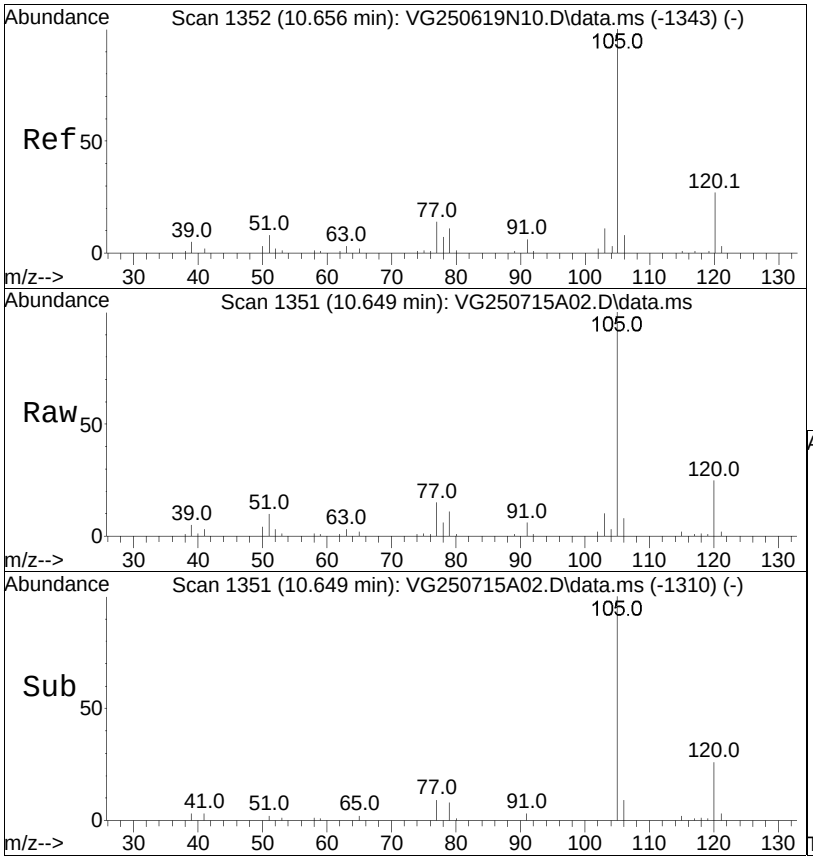


#80
Bromoform
Concen: 8.44 ug/L
RT: 10.367 min Scan# 1311
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:173 Resp: 88169

Ion	Ratio	Lower	Upper
173	100		
175	48.6	28.8	68.8

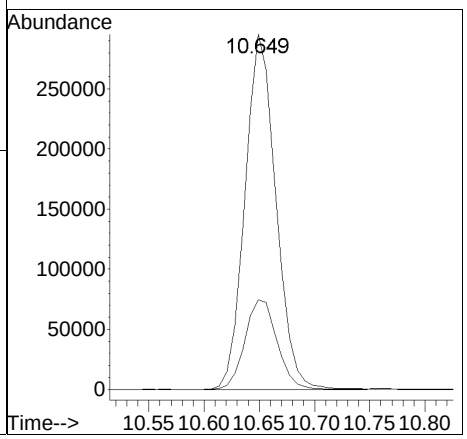


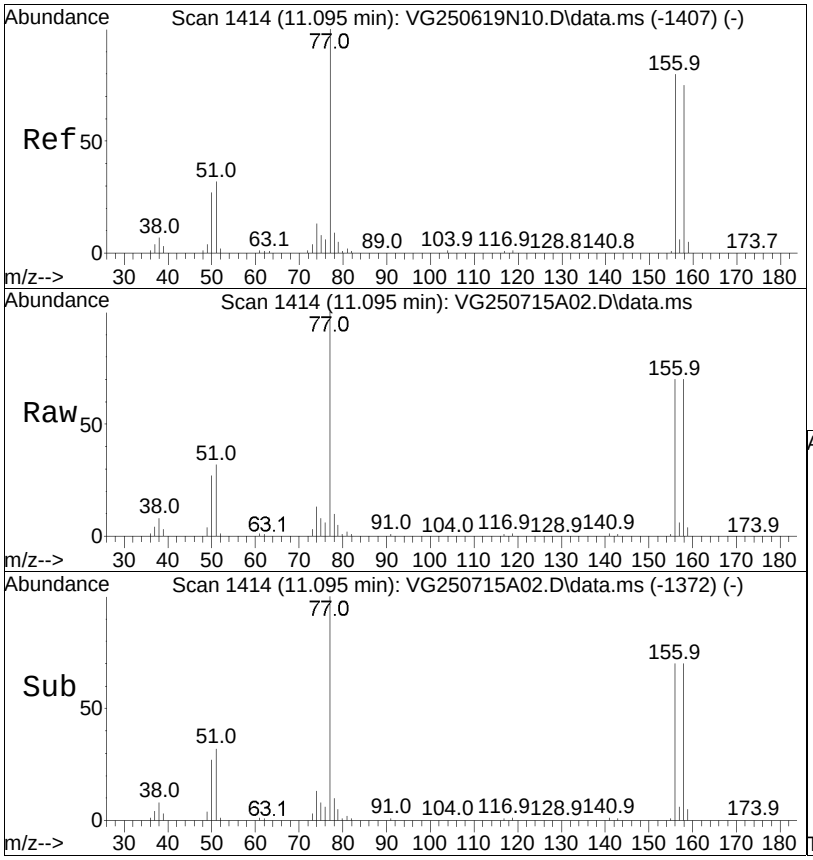


#82
Isopropylbenzene
Concen: 10.16 ug/L
RT: 10.649 min Scan# 1351
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:105 Resp: 574899

Ion	Ratio	Lower	Upper
105	100		
120	26.3	7.6	47.6

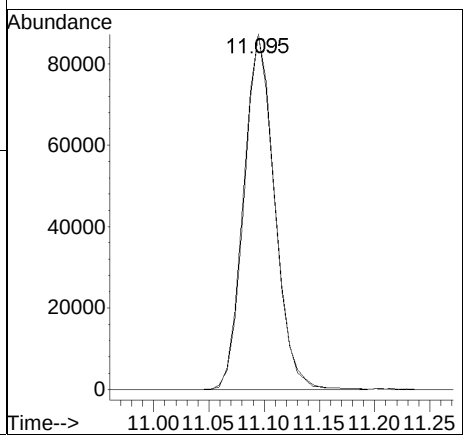


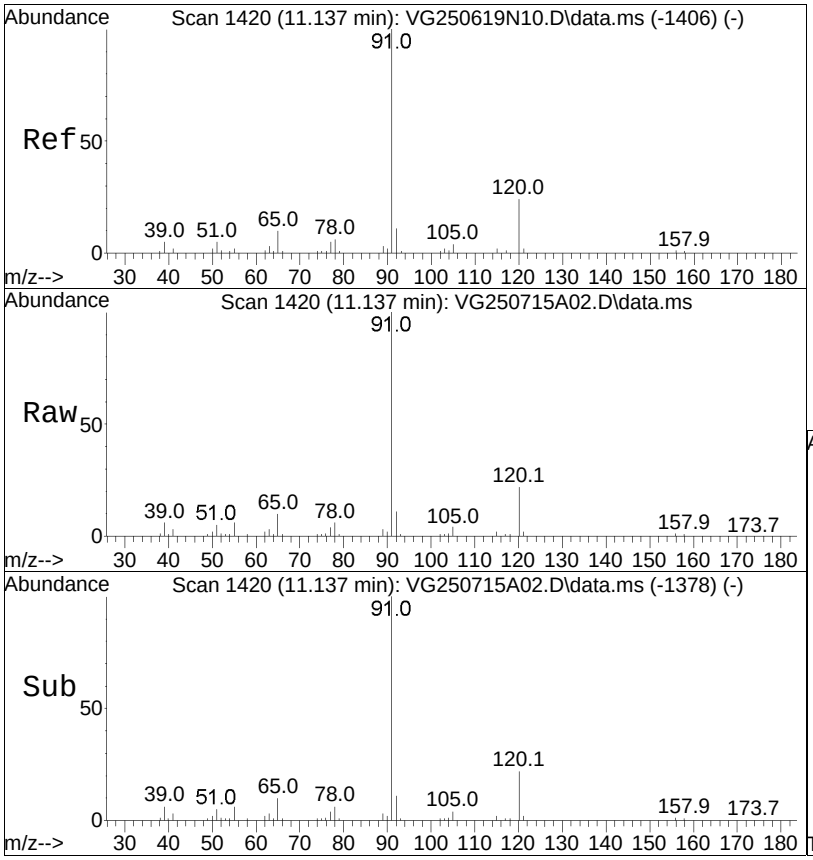


#84
Bromobenzene
Concen: 9.85 ug/L
RT: 11.095 min Scan# 1414
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:156 Resp: 170561

Ion	Ratio	Lower	Upper
156	100		
158	97.6	78.2	117.2

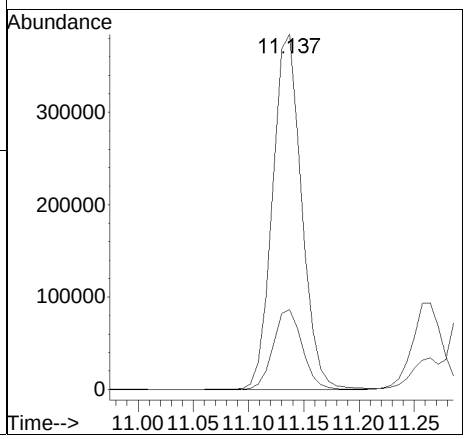


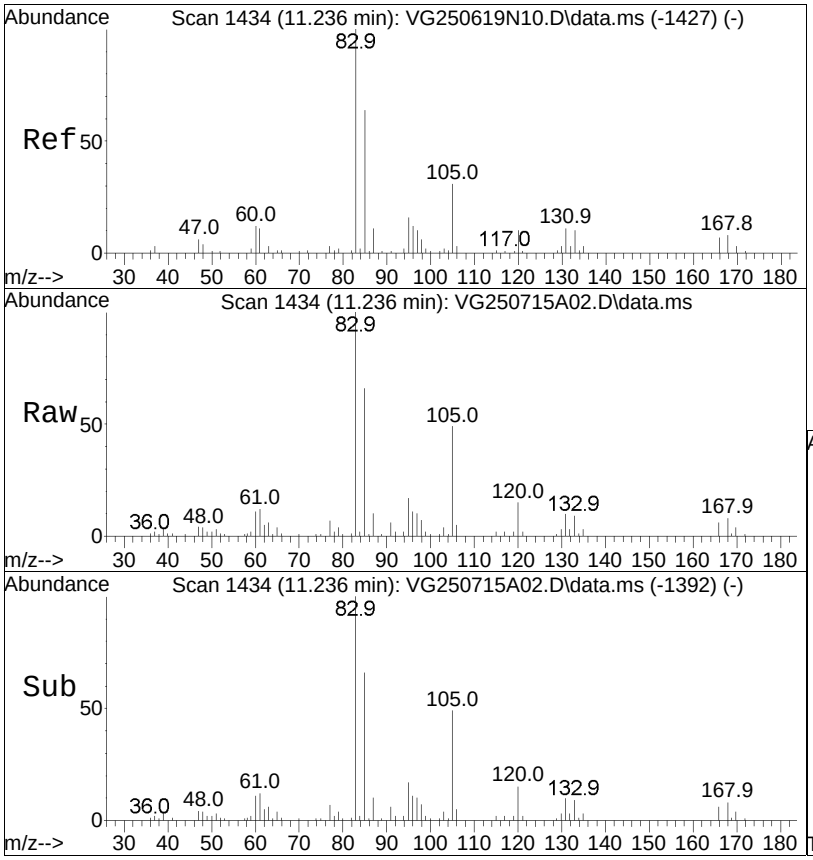


#85
n-Propylbenzene
Concen: 10.87 ug/L
RT: 11.137 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 91 Resp: 703394

Ion	Ratio	Lower	Upper
91	100		
120	22.4	19.4	29.2

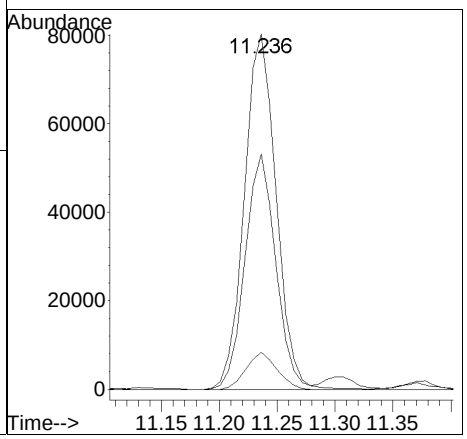


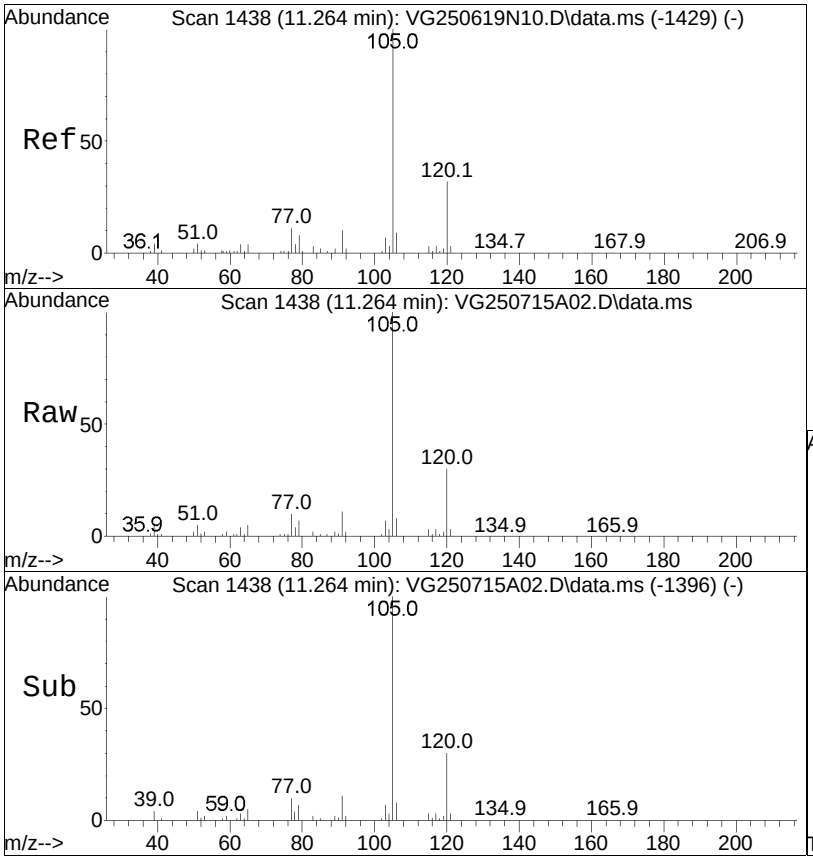


#87
1,1,2,2-Tetrachloroethane
Concen: 10.45 ug/L
RT: 11.236 min Scan# 1434
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 83 Resp: 153067

Ion	Ratio	Lower	Upper
83	100		
131	10.1	0.0	31.5
85	64.1	44.6	84.6

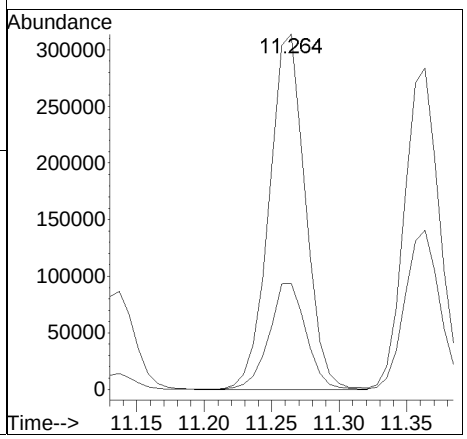


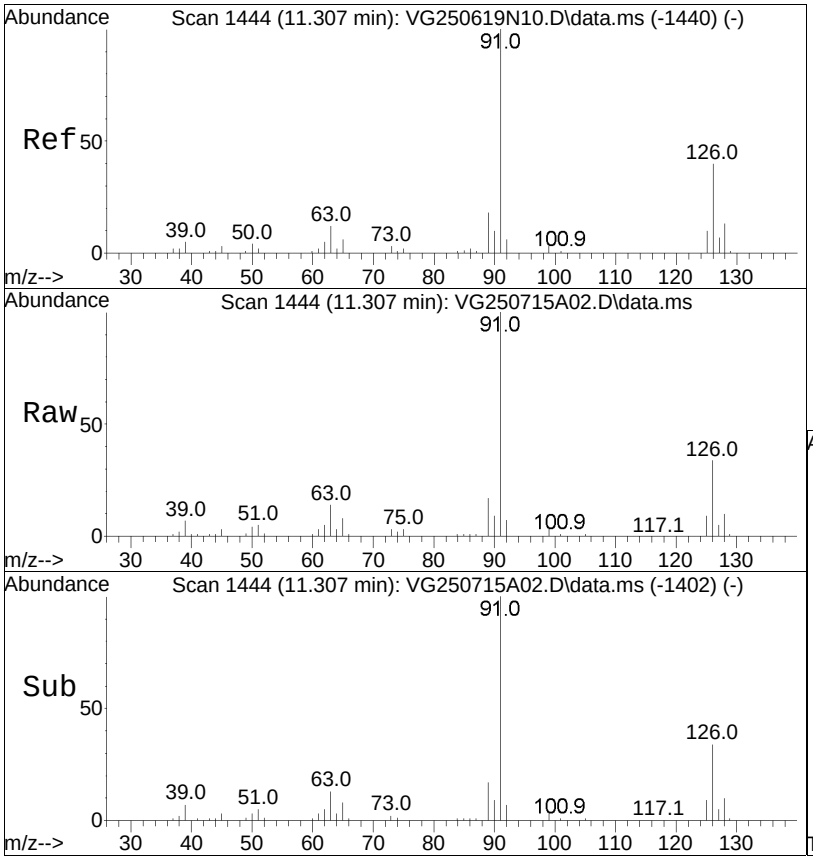


#88
4-Ethyltoluene
Concen: 10.45 ug/L
RT: 11.264 min Scan# 1438
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:105 Resp: 583831

Ion	Ratio	Lower	Upper
105	100		
120	30.4	20.4	42.4

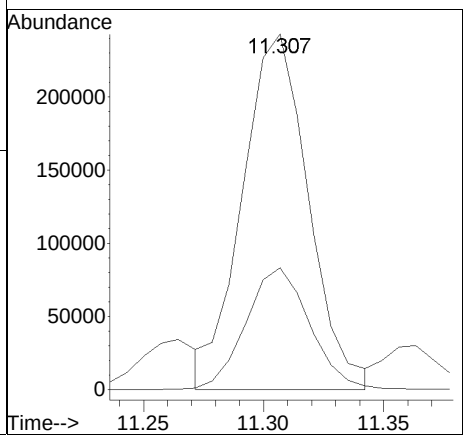


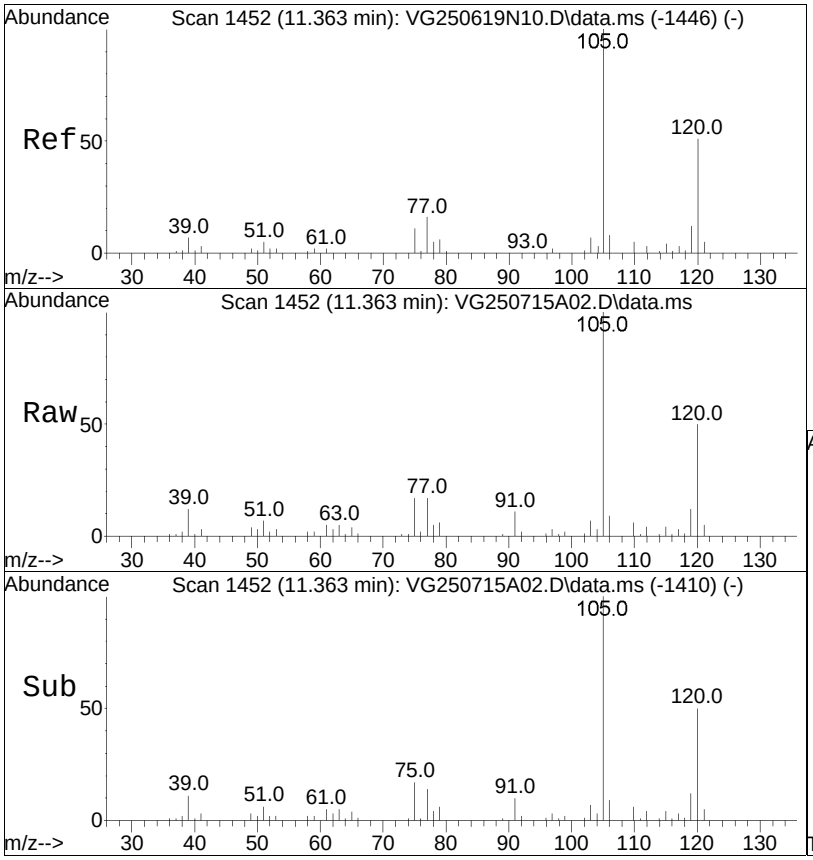


#89
2-Chlorotoluene
Concen: 11.42 ug/L M6
RT: 11.307 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 91 Resp: 464690

Ion	Ratio	Lower	Upper
91	100		
126	33.1	29.8	44.8

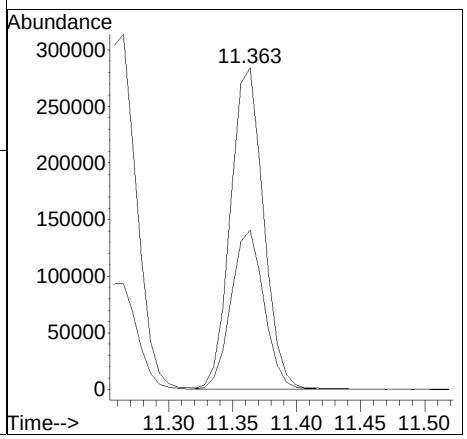


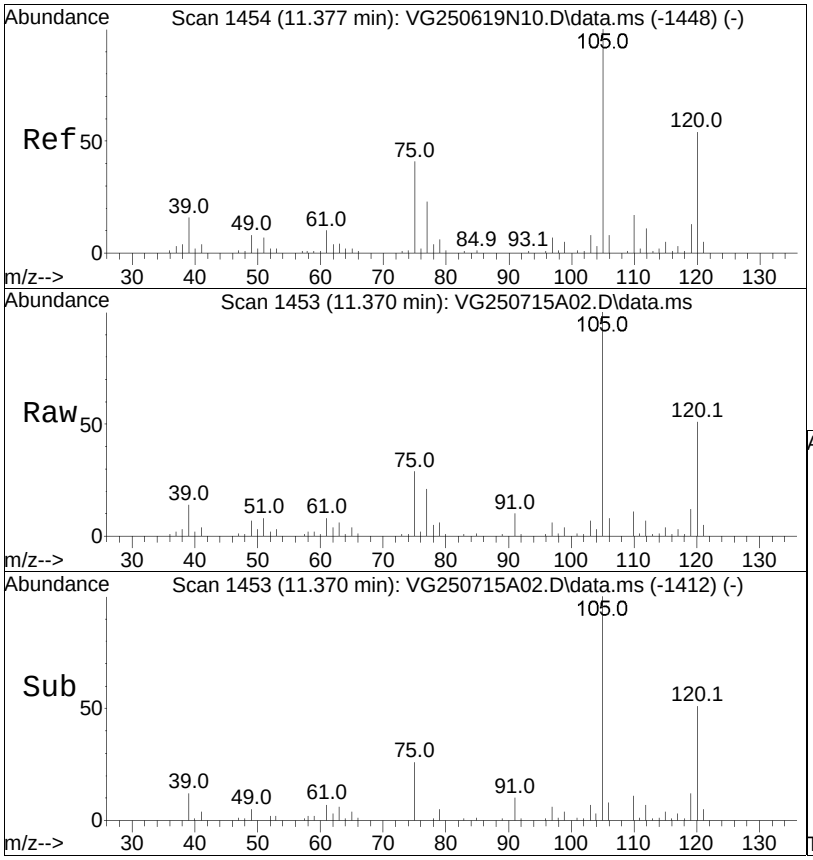


#90
1,3,5-Trimethylbenzene
Concen: 10.48 ug/L
RT: 11.363 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:105 Resp: 510112

Ion	Ratio	Lower	Upper
105	100		
120	49.5	40.7	61.1

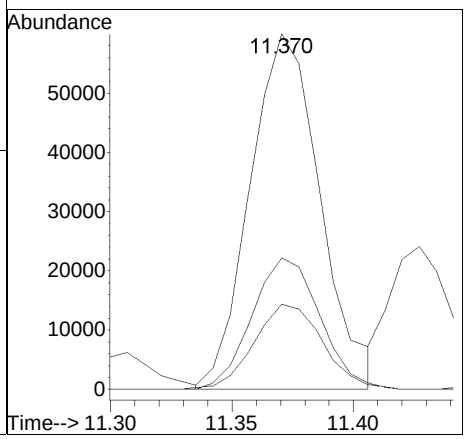


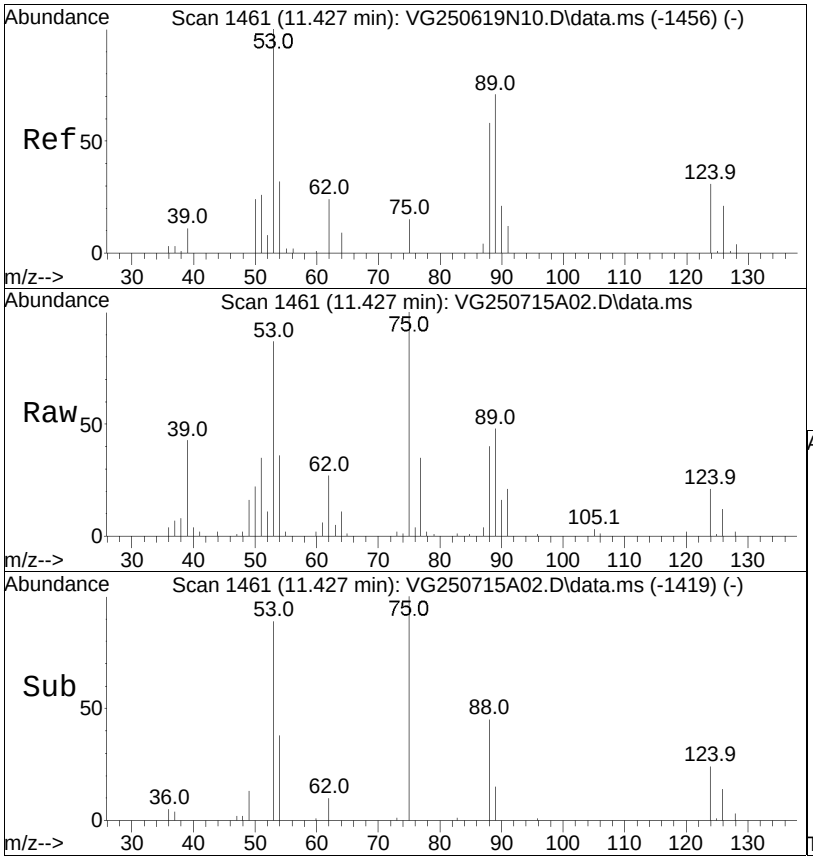


#91
1,2,3-Trichloropropane
Concen: 10.83 ug/L
RT: 11.370 min Scan# 1453
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 75 Resp: 120503

Ion	Ratio	Lower	Upper
75	100		
110	35.8	25.0	51.8
112	23.5	16.8	34.8

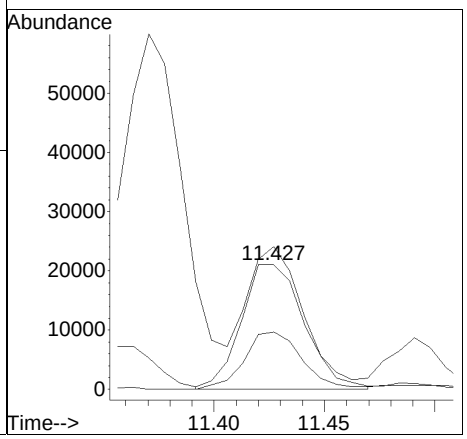


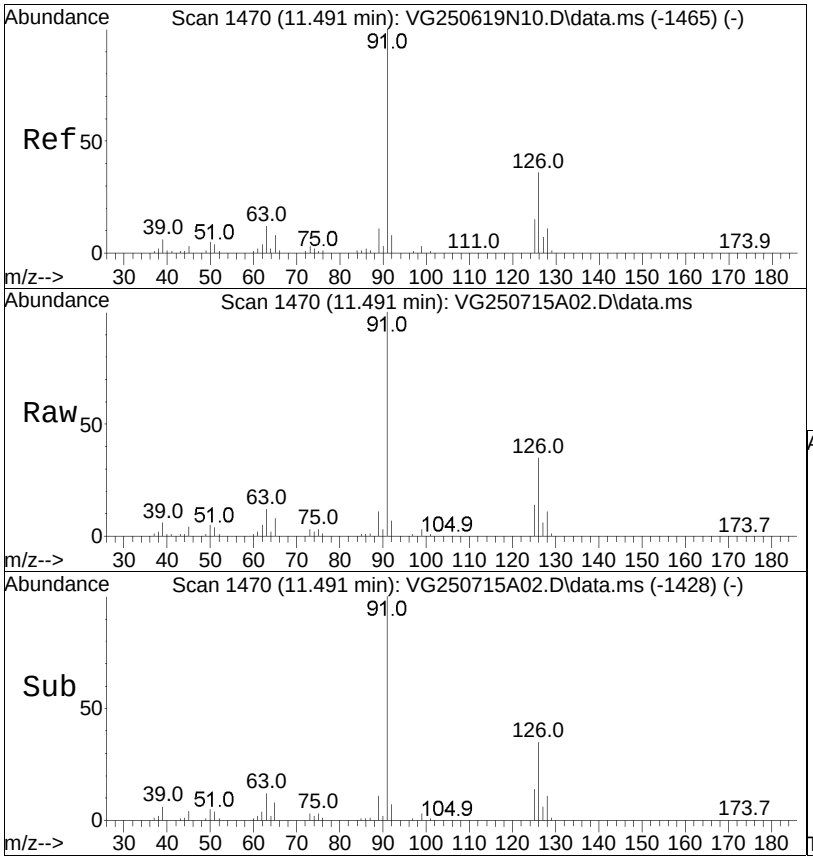


#92
trans-1,4-Dichloro-2-butene
Concen: 10.25 ug/L
RT: 11.427 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 53 Resp: 41856

Ion	Ratio	Lower	Upper
53	100		
88	42.4	44.8	67.2#
75	103.0	108.5	162.7#

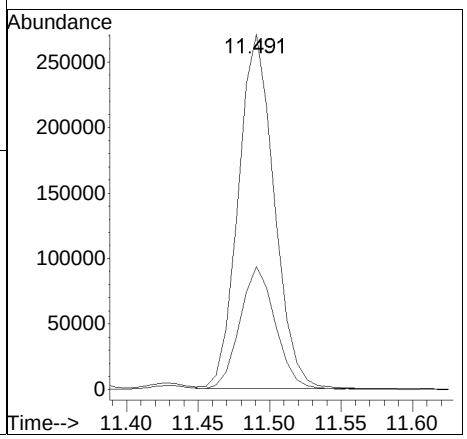


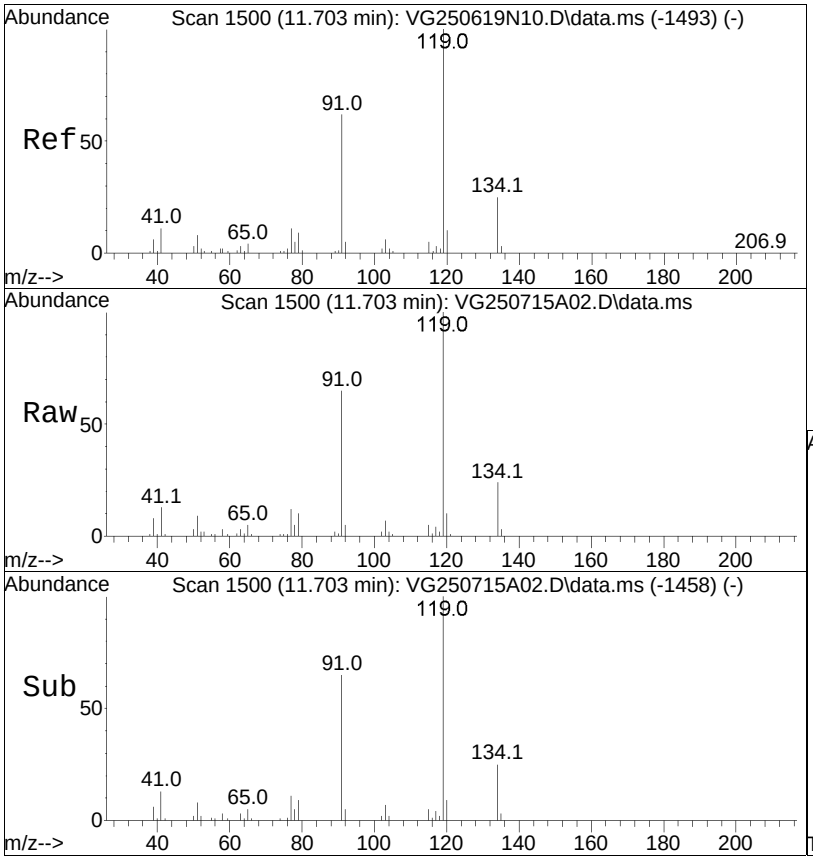


#93
4-Chlorotoluene
Concen: 11.03 ug/L
RT: 11.491 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 91 Resp: 471998

Ion	Ratio	Lower	Upper
91	100		
126	34.5	29.9	44.9

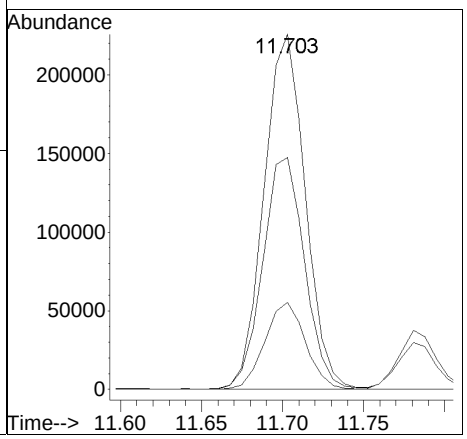


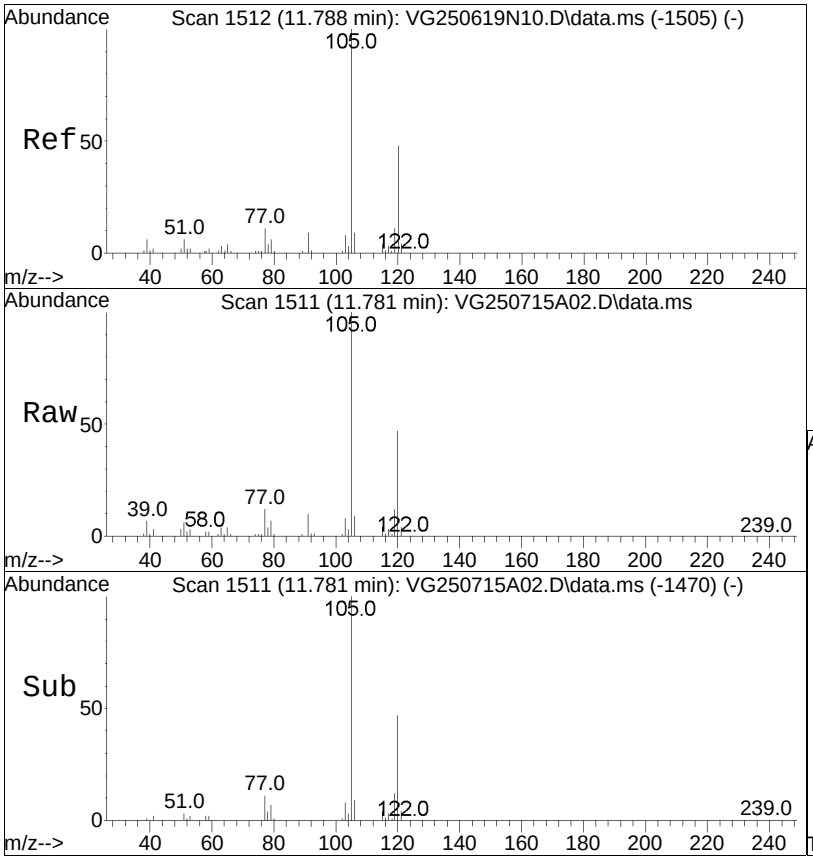


#94
tert-Butylbenzene
Concen: 9.91 ug/L
RT: 11.703 min Scan# 1500
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:119 Resp: 400424

Ion	Ratio	Lower	Upper
119	100		
91	66.0	50.2	75.2
134	24.1	20.2	30.2

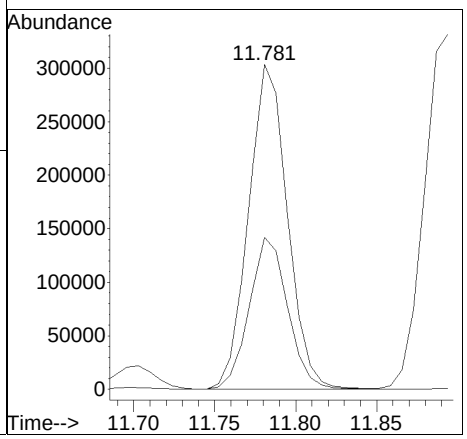


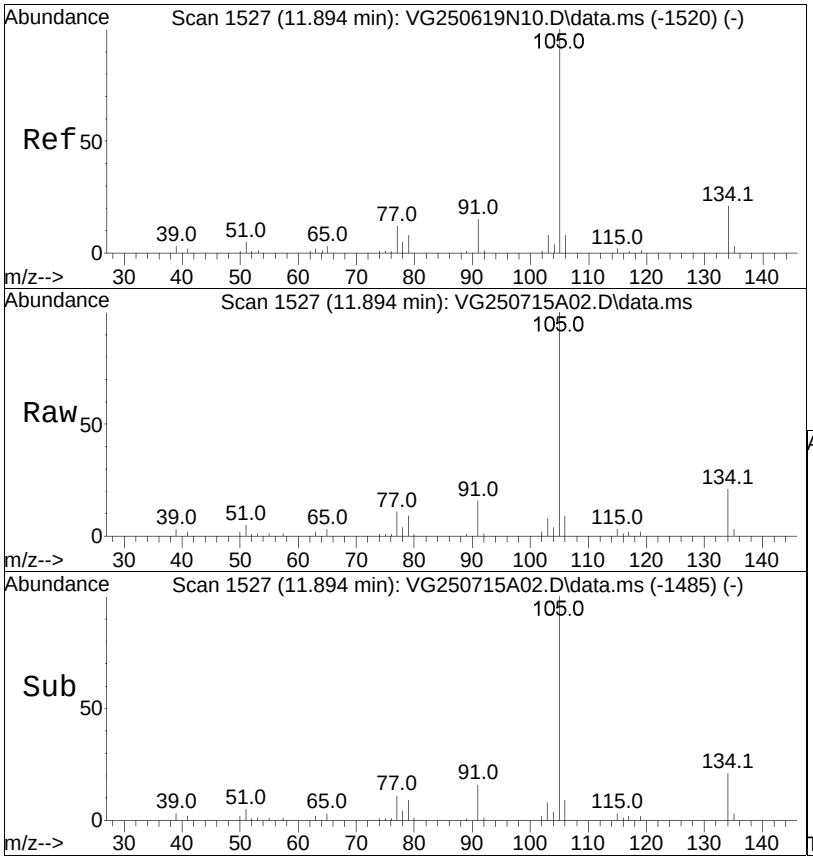


#97
1,2,4-Trimethylbenzene
Concen: 10.44 ug/L
RT: 11.781 min Scan# 1511
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:105 Resp: 506973

Ion	Ratio	Lower	Upper
105	100		
120	46.1	38.2	57.2

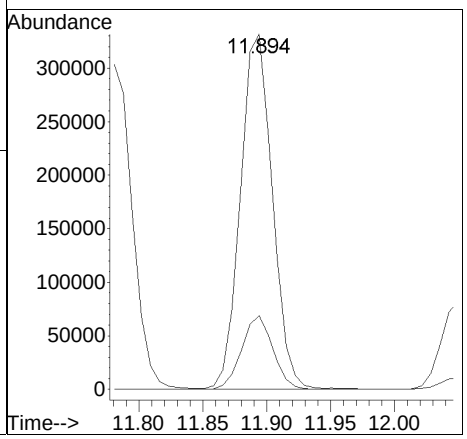


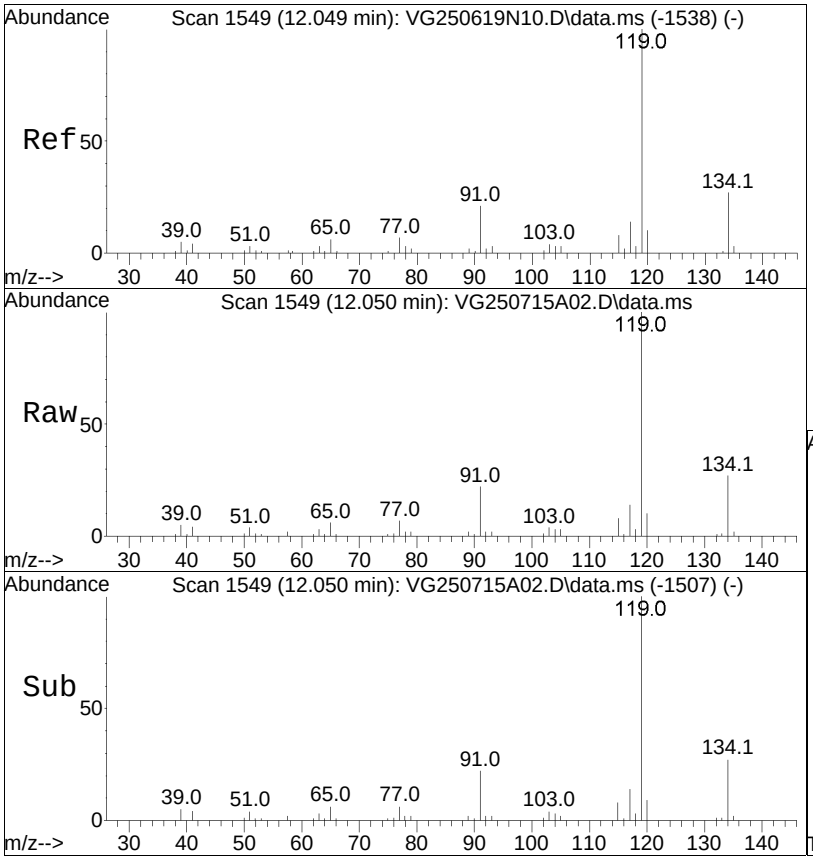


#98
sec-Butylbenzene
Concen: 10.46 ug/L
RT: 11.894 min Scan# 1527
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:105 Resp: 576515

Ion	Ratio	Lower	Upper
105	100		
134	20.3	13.7	28.5

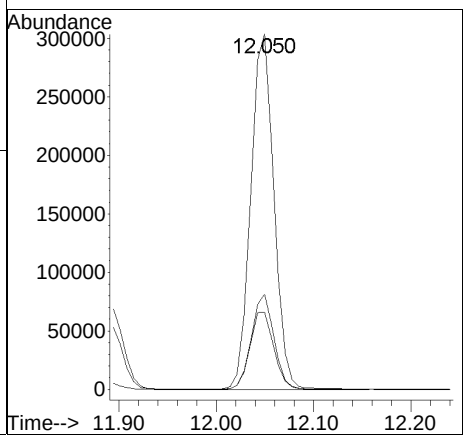


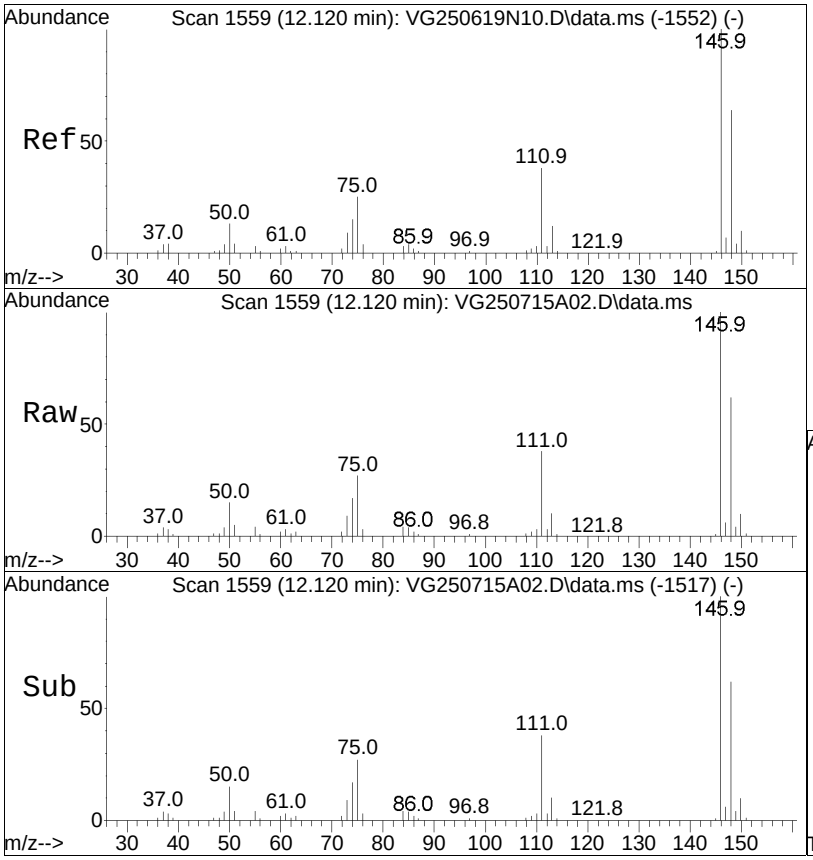


#99
p-Isopropyltoluene
Concen: 10.16 ug/L
RT: 12.050 min Scan# 1549
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:119 Resp: 503392

Ion	Ratio	Lower	Upper
119	100		
134	26.1	17.7	36.9
91	22.6	14.4	30.0

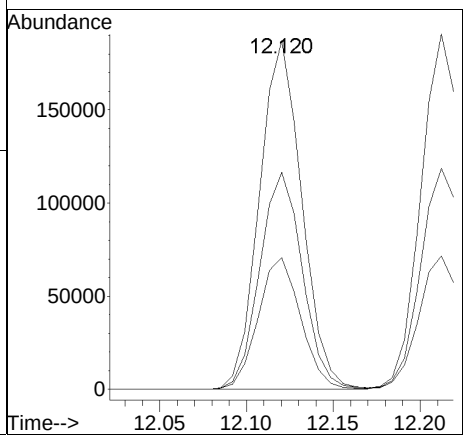


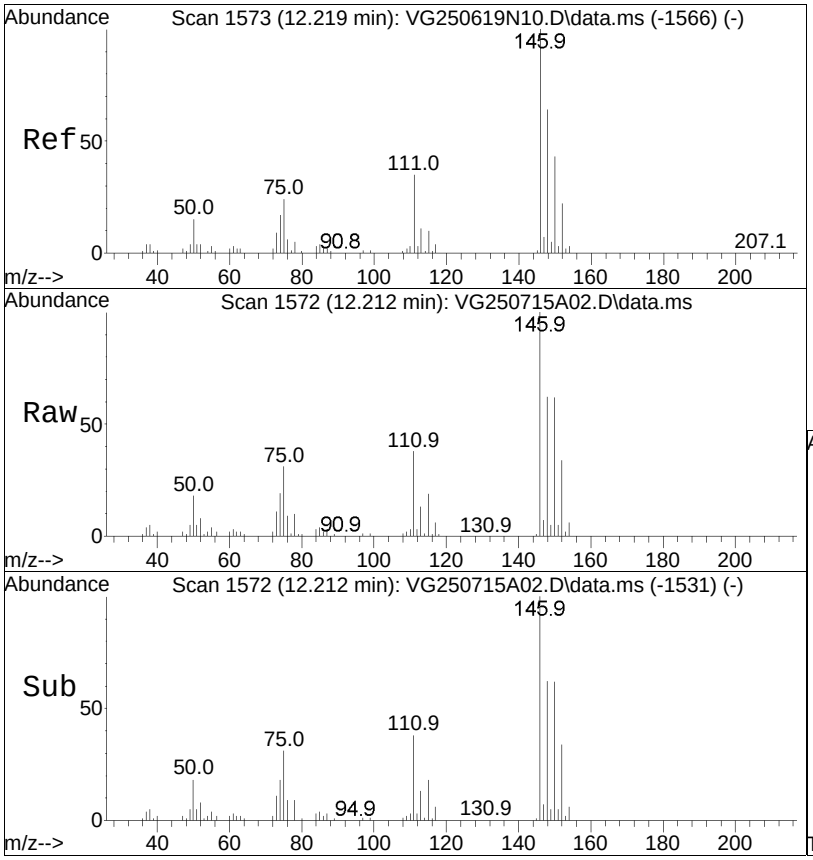


#100
1,3-Dichlorobenzene
Concen: 10.11 ug/L
RT: 12.120 min Scan# 1559
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:146 Resp: 317765

Ion	Ratio	Lower	Upper
146	100		
111	38.0	23.9	49.5
148	62.8	41.2	85.6

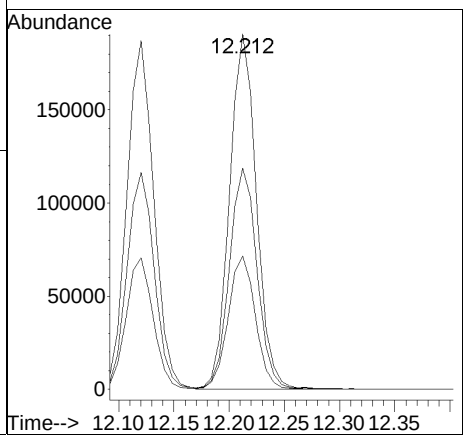


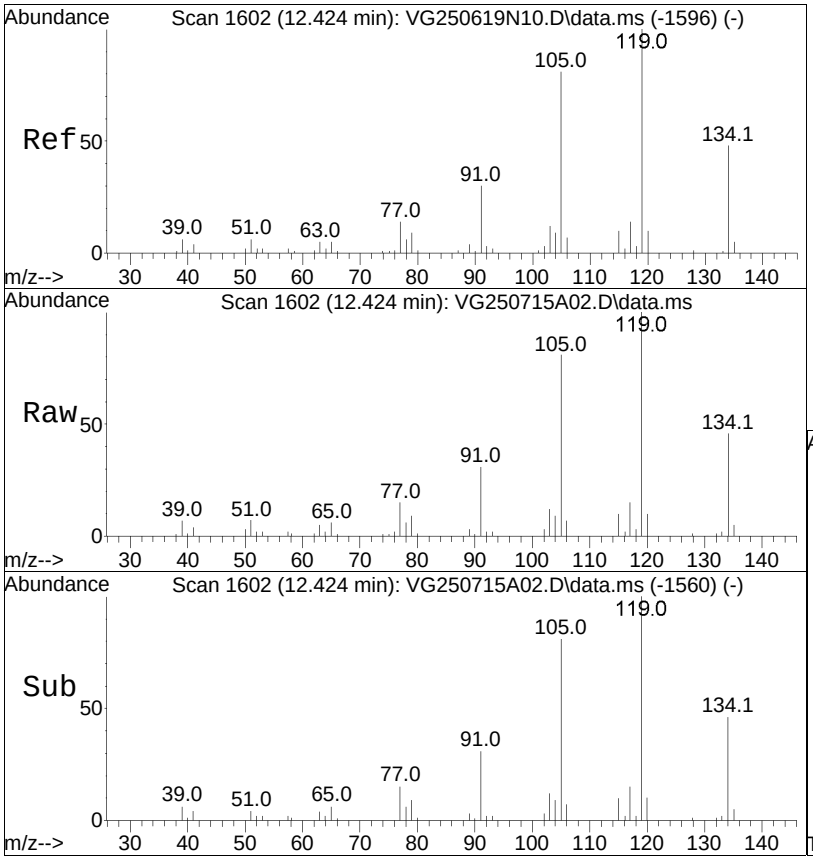


#101
1,4-Dichlorobenzene
Concen: 9.99 ug/L
RT: 12.212 min Scan# 1572
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:146 Resp: 322661

Ion	Ratio	Lower	Upper
146	100		
111	37.9	28.9	43.3
148	64.5	51.2	76.8

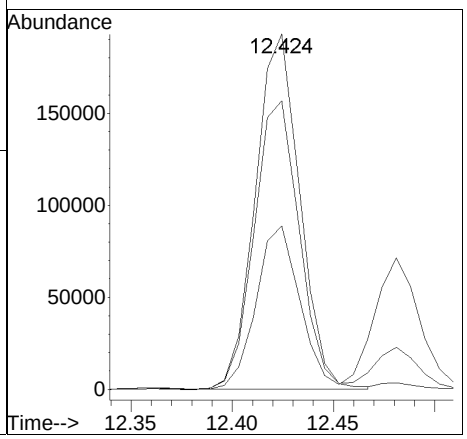


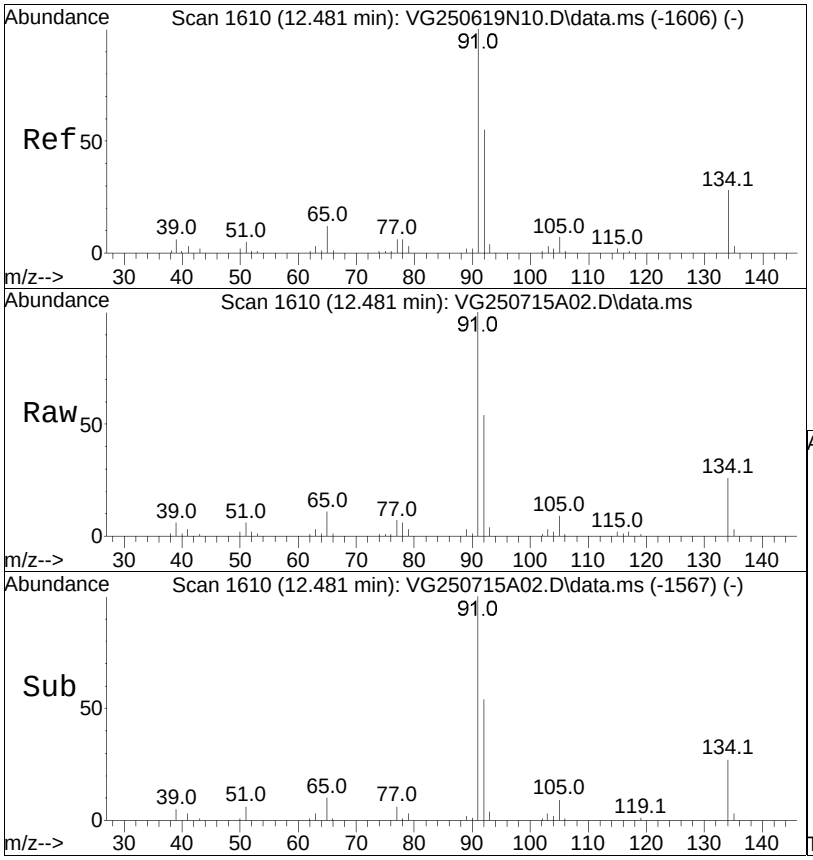


#102
p-Diethylbenzene
Concen: 10.02 ug/L
RT: 12.424 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:119 Resp: 293733

Ion	Ratio	Lower	Upper
119	100		
105	82.3	52.6	109.2
134	45.5	31.9	66.3

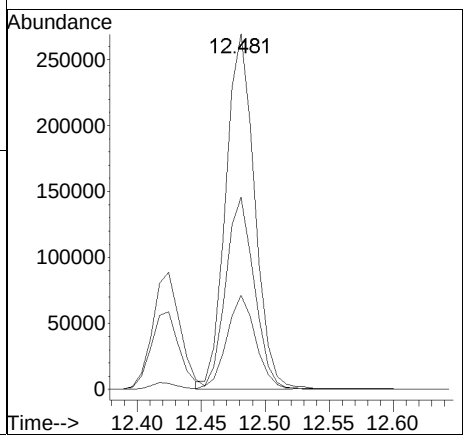


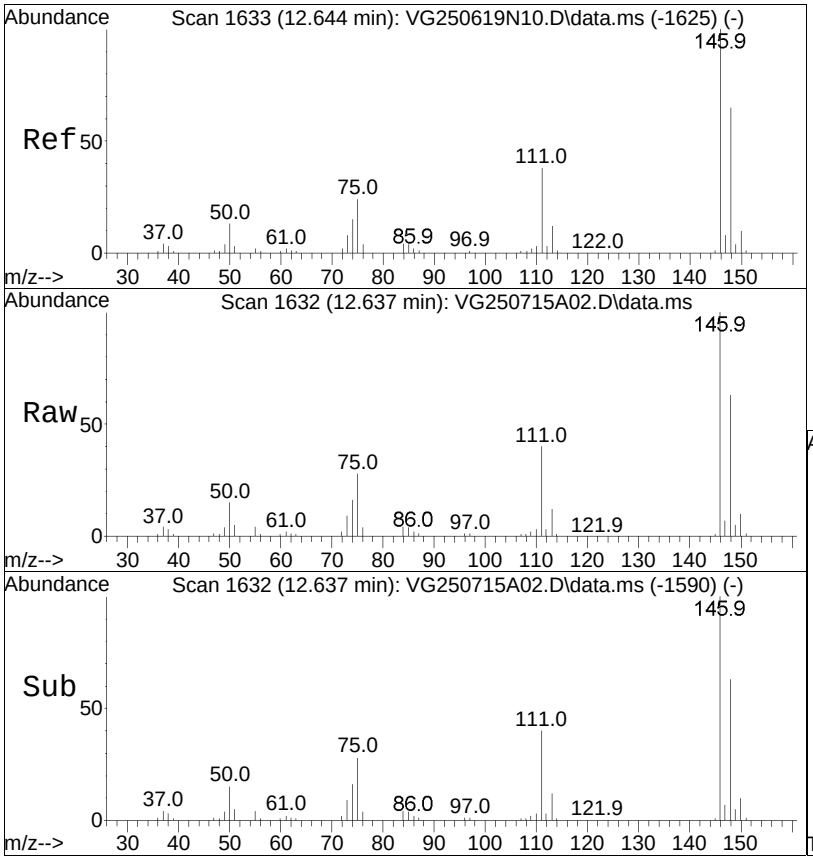


#103
n-Butylbenzene
Concen: 11.08 ug/L
RT: 12.481 min Scan# 1610
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion: 91 Resp: 422197

Ion	Ratio	Lower	Upper
91	100		
92	54.0	44.1	66.1
134	26.3	23.1	34.7

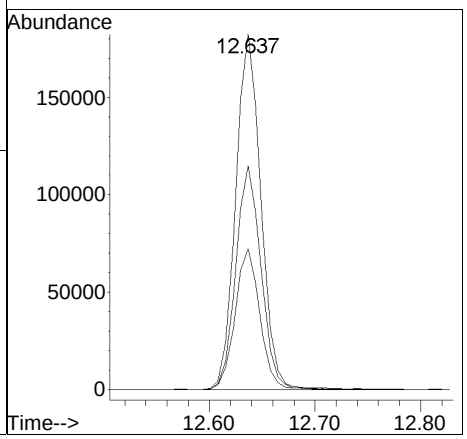


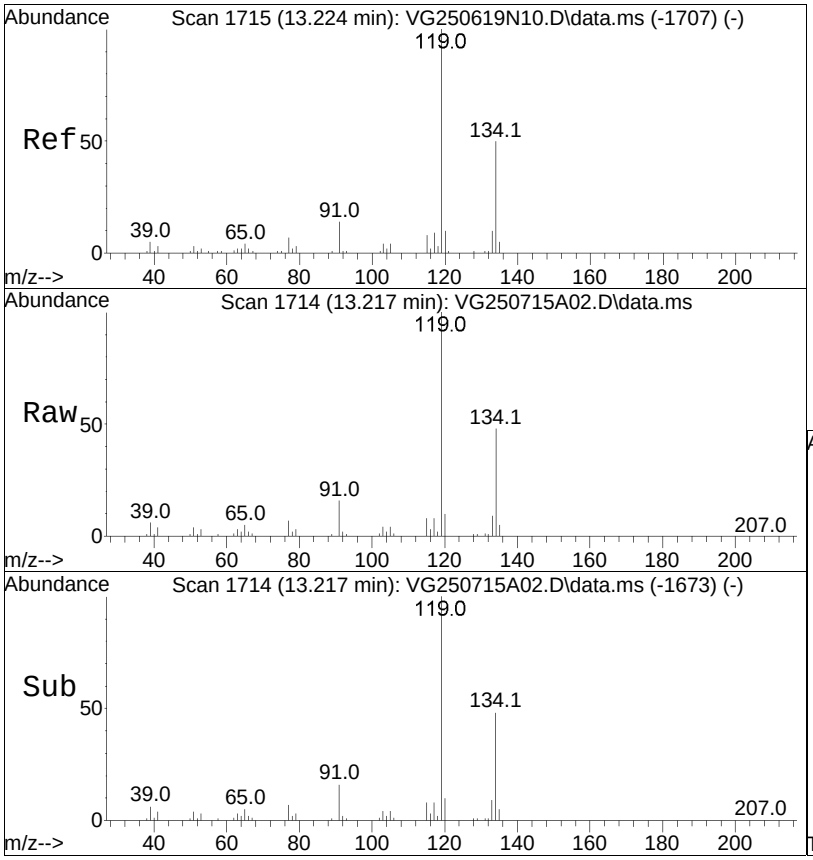


#104
1,2-Dichlorobenzene
Concen: 10.05 ug/L
RT: 12.637 min Scan# 1632
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:146 Resp: 301901

Ion	Ratio	Lower	Upper
146	100		
111	38.9	24.6	51.0
148	62.9	41.4	86.0

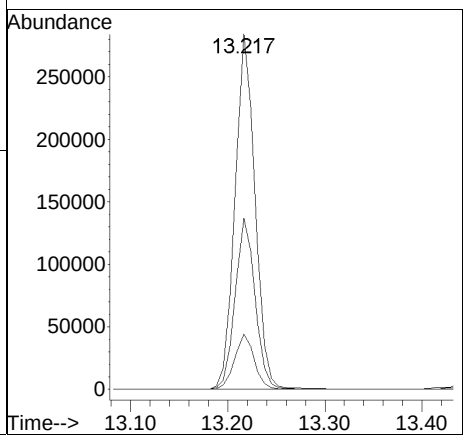


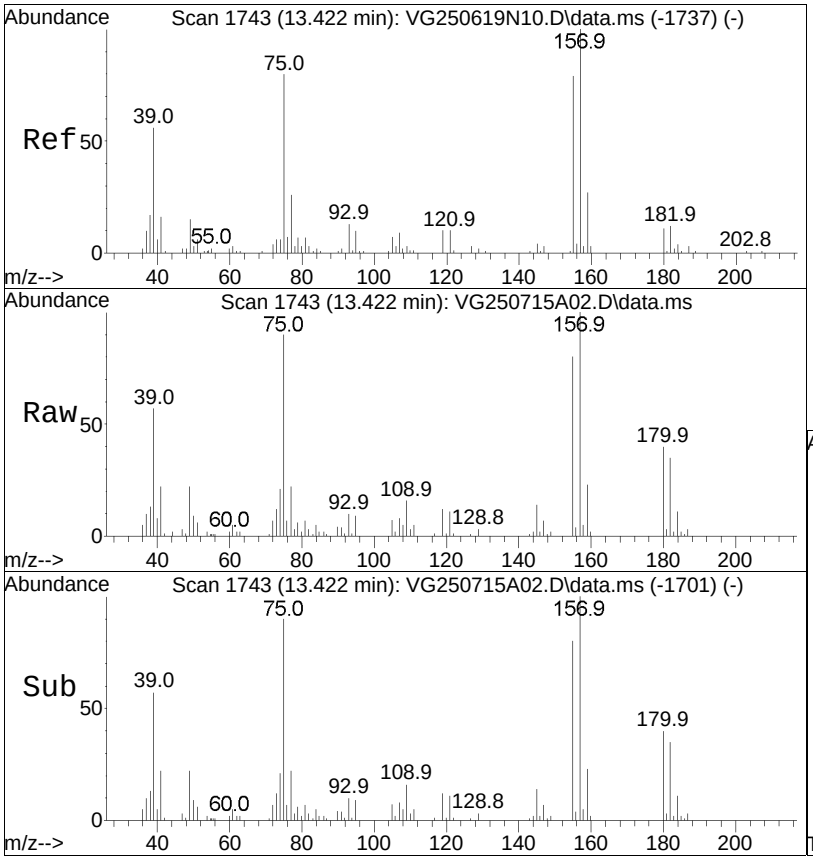


#105
1,2,4,5-Tetramethylbenzene
Concen: 9.19 ug/L
RT: 13.217 min Scan# 1714
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:119 Resp: 407857

Ion	Ratio	Lower	Upper
119	100		
134	48.0	32.1	66.7
91	15.5	9.6	20.0

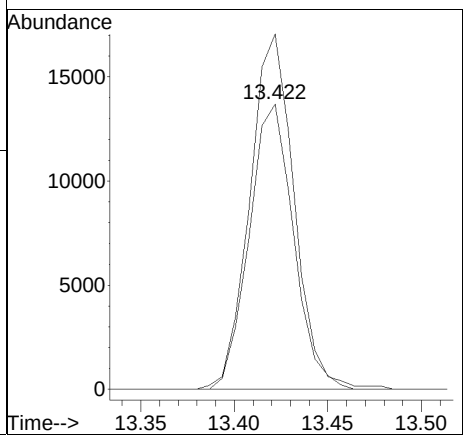


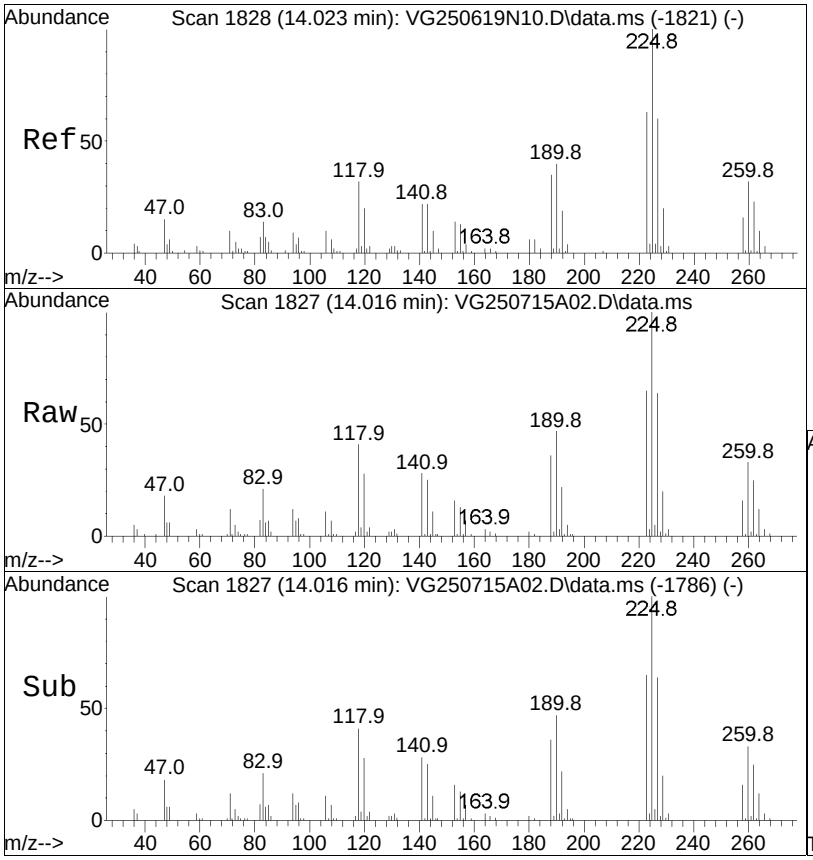


#106
1,2-Dibromo-3-chloropropane
Concen: 8.47 ug/L
RT: 13.422 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:155 Resp: 22606

Ion	Ratio	Lower	Upper
155	100		
157	124.9	99.0	148.6

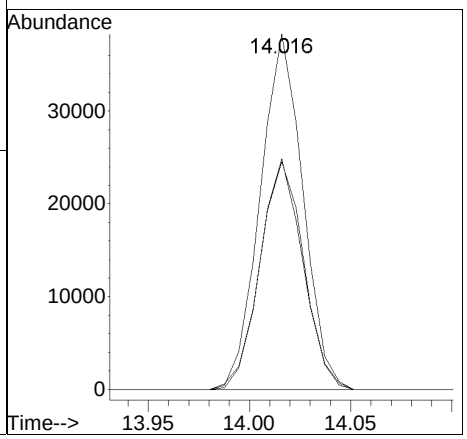


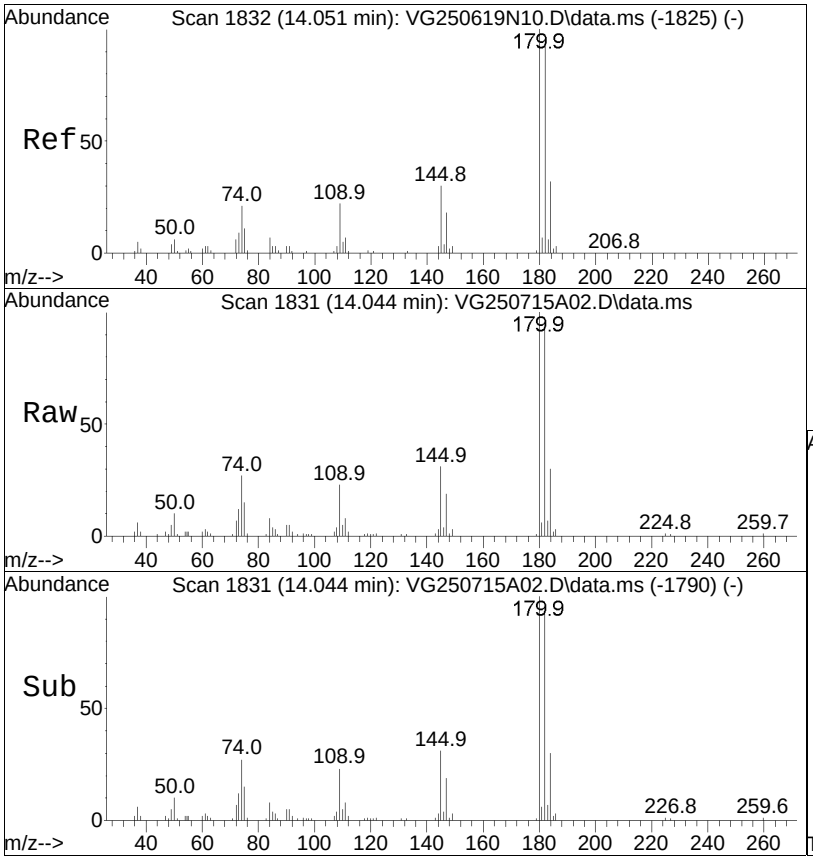


#108
Hexachlorobutadiene
Concen: 8.93 ug/L
RT: 14.016 min Scan# 1827
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:225 Resp: 56036

Ion	Ratio	Lower	Upper
225	100		
223	65.3	50.5	75.7
227	65.8	50.8	76.2

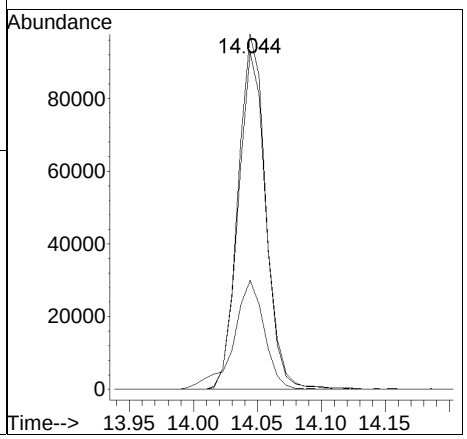


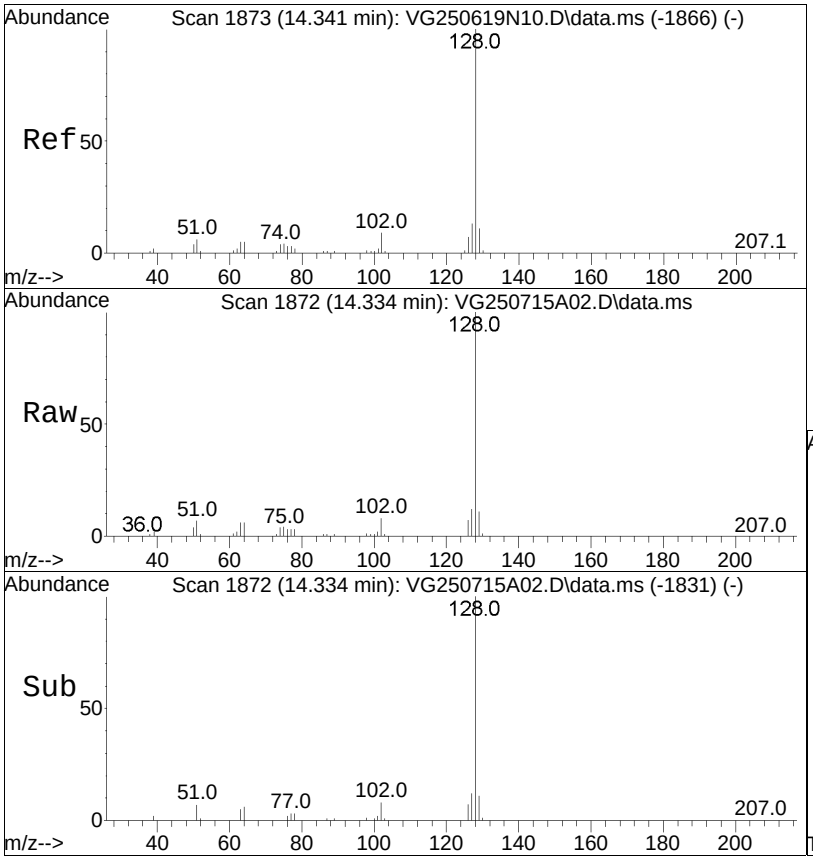


#109
1,2,4-Trichlorobenzene
Concen: 8.70 ug/L
RT: 14.044 min Scan# 1831
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:180 Resp: 147829

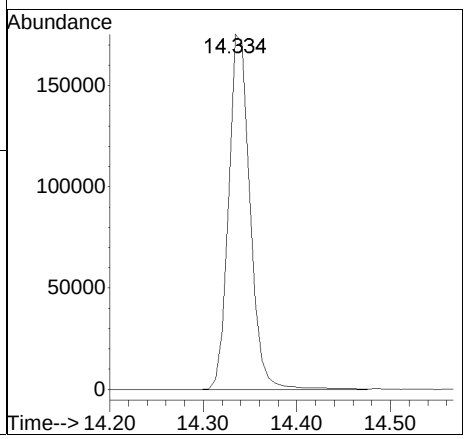
Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.0	114.0
145	34.0	25.3	37.9

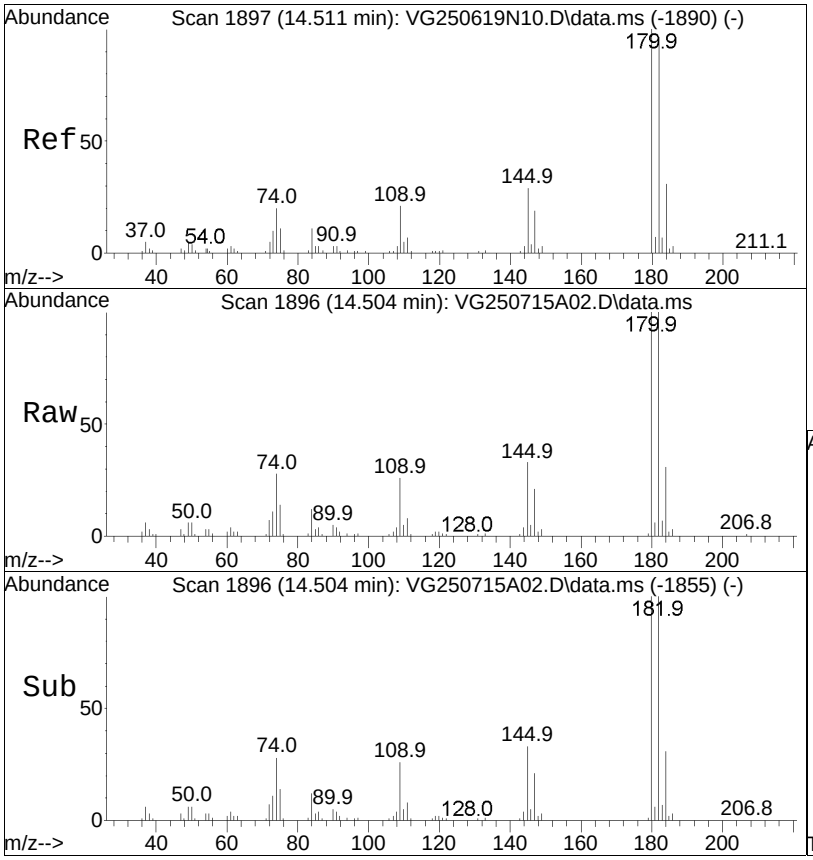




#110
Naphthalene
Concen: 7.88 ug/L
RT: 14.334 min Scan# 1872
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:128 Resp: 278926

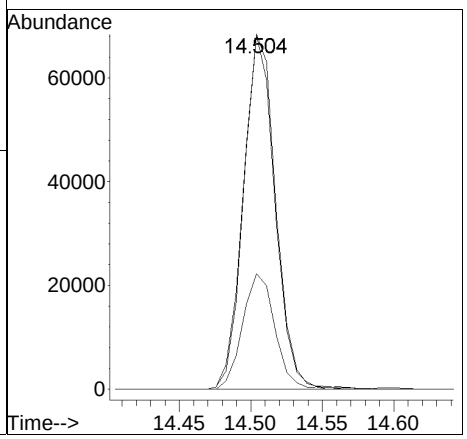




#111
1,2,3-Trichlorobenzene
Concen: 8.27 ug/L
RT: 14.504 min Scan# 1896
Delta R.T. -0.007 min
Lab File: VG250715A02.D
Acq: 15 Jul 2025 7:42 am

Tgt Ion:180 Resp: 108140

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.8	115.2
145	32.5	24.1	36.1

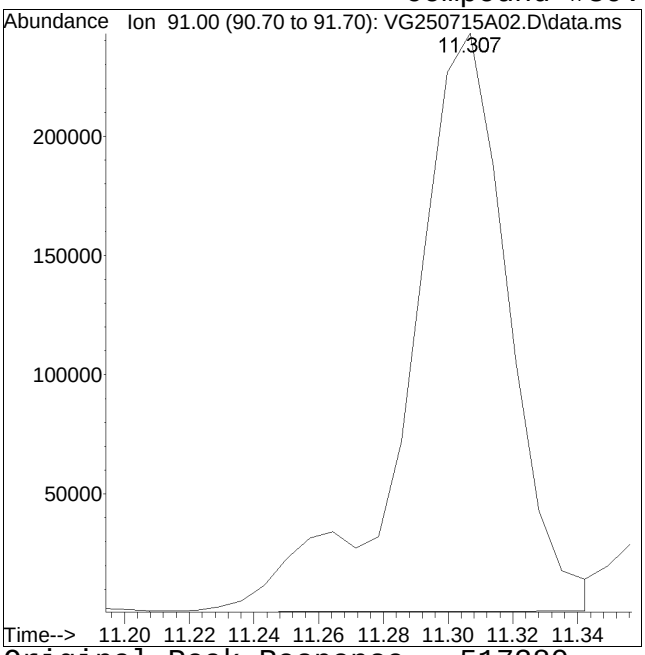


Manual Integration Report

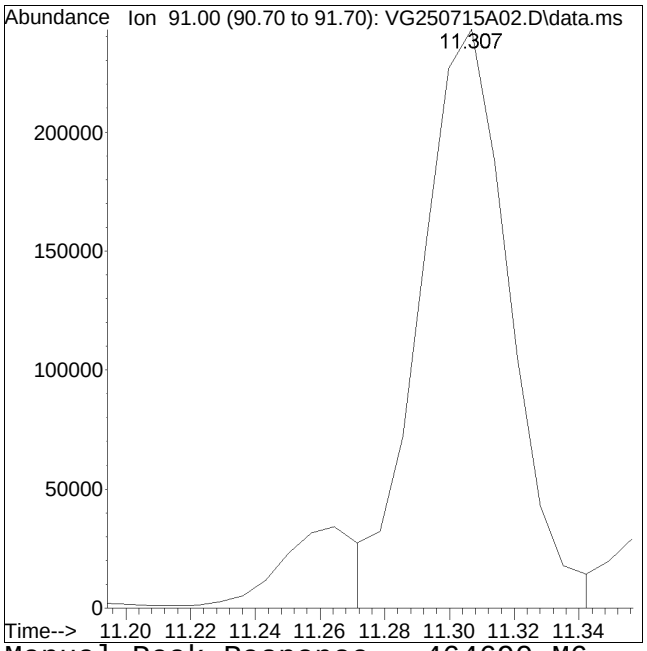
Data Path : K:\Gonzo\2025\250715A\
Data File : VG250715A02.D
Date Inj'd : 7/15/2025 7:42 am
Sample : WG2091404-4,31,10,10

QMethod : G_250619N_8260.m
Operator : GONZO:PID
Instrument : Gonzo
Quant Date : 7/15/2025 8:19 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 517380



Manual Peak Response = 464690 M6

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

Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * Uf * (1/Vo)

Where:
DF = Dilution Factor
Vo = Sample Volume Purged (mL)
Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: Amt * DF * (1/Wt)

Where:
DF = Dilution Factor
Wt = Weight of Sample (g)

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Jul 17 2025, 02:08 pm

Work Group: WG2091404 for Department: 31 GC/MS - Volatiles

Created: 16-JUL-25 Due: Operator: PID

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2542892-01	MW-4	S	NYTCL-8260	WATER	DONE	U	0723	0718	S0	Vial-B
L2542892-02	MW-3	S	NYTCL-8260	WATER	DONE	U	0723	0718	S0	Vial-B
L2542892-03	FIELD BLANK	S	NYTCL-8260	WATER	DONE	U	0723	0718	S0	Vial-B
L2542892-04	TRIP BLANK	S	NYTCL-8260	WATER	DONE	U	0723	0718	S0	Vial-B
L2543646-08	FB_20250711	S	NYTCL-8260	WATER	SEC	U	0725	0722	S0	Vial-B
WG2091404-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG2091404-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG2091404-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG2091404-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG2091404-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				

Comments:

WG2091404-4 WG2091404-3

Method
Inst: Gonzo BFB: V11220 GC 8260_RTX_VM
Initials: TMS IS/SS: V11228 Autosampler: 8260water
Date: **06/19/25** ICAL: V11254A,V11257 Concentrator: 8260AA
Run: **N** ICV: V11237,V11259,V11199,V11217,V11216,V11260 QC: _____ Seq: _____

Vial	DATA FILE	SAMPLE	pH<2
1	VG250619NBF01	BFB TUNE	
1	VG250619N01	BLK	
2	VG250619N02	BLK	
3	VG250619N03	BLK	
4	VG250619N04	I8260STD0.19PPB	
5	VG250619N05	I8260STD0.19PPB	
6	VG250619N06	I8260STD0.5PPB	
7	VG250619N07	I8260STD0.5PPB	
8	VG250619N08	I8260STD2PPB	
9	VG250619N09	I8260STD2PPB	
10	VG250619N10	I8260STD10PPB	
11	VG250619N11	I8260STD30PPB	
12	VG250619N12	I8260STD80PPB	
13	VG250619N13	I8260STD120PPB	
14	VG250619N14	I8260STD200PPB	
15	VG250619N15	BLK	
16	VG250619N16	BLK	
17	VG250619N17	BLK	
18	VG250619N18	BLK	
19	VG250619N19	C8260STD10PPB	
20	VG250619N20	C8260STD10PPB	
21	VG250619N21	BLK	

Inst: Gonzo BFB: V11278 Method GC 8260_RTX_VM

Initials: PID IS/SS: V11303 Autosampler: 8260water

Date: **07/15/25** ICAL: V11295A,V11296,V11304 Concentrator: 8260AA

Run: **A** QC: _____ Seq: _____

Vial	DATA FILE	SAMPLE			pH<2
1	VG250715ABF1	BFB TUNE	07:02		
1	VG250715A01	8260 CCAL	LCS		
2	VG250715A02	8260 CCAL	LCSD		
3	VG250715A03	8260 CCAL			
4	VG250715A04	AA CCAL	LCS		
5	VG250715A05	AA CCAL	LCSD		
6	VG250715A06	BLK			
7	VG250715A07	METHOD BLK			
8	VG250715A08	L2541932-04R,31,10,10,,B,R3D	ME8260CURVE/RF	TB,CONF RUN	pH<2
9	VG250715A09	L2541534-03,31,10,10,,A	8260/MM	TB	pH<2
10	VG250715A10	l2541534-02D,31,0.5,10,,a	8260/MM		pH<2
11	VG250715A11	L2543459-01,31,10,10,,A,R3E	8260/PPM		pH<2
12	VG250715A12	L2543459-02,31,10,10,,A,R3E	8260/PPM		pH<2
13	VG250715A13	L2543459-03,31,10,10,,A,R3E	8260/PPM		pH<2
14	VG250715A14	L2543459-04,31,10,10,,A,R3E	8260/PPM		pH<2
15	VG250715A15	L2543459-05,31,10,10,,A,R3E	8260/PPM		pH<2
16	VG250715A16	L2543459-06,31,10,10,,A,R3E	8260/PPM		pH<2
17	VG250715A17	L2543459-07,31,10,10,,A,R3E	8260/PPM		pH<2
18	VG250715A18	L2543459-08,31,10,10,,A,R3E	8260/PPM		pH<2
19	VG250715A19	L2543459-09,31,10,10,,A,R3E	8260/PPM		pH<2
20	VG250715A20	L2543459-10,31,10,10,,A,R3E	8260/PPM		pH<2
21	VG250715A21	L2542892-01,31,10,10,,A	NYTCL/10		pH<2
22	VG250715A22	L2542892-02,31,10,10,,A	NYTCL/10		pH<2
23	VG250715A23	L2542892-03,31,10,10,,A	NYTCL/10	FB	pH<2
24	VG250715A24	L2542892-04,31,10,10,,A	NYTCL/10	TB	pH<2
25	VG250715A25	L2543646-08,31,10,10,,A	NYTCL	FB	pH<2
26	VG250715A26	L2543765-31,31,10,10,,A,R3E	OH/VAP	TB HS	pH<2
27	VG250715A27	L2543765-32,31,10,10,,A,R3E	OH/VAP	TB HS	pH<2
28	VG250715A28	HBM			
29	VG250715A29	BLK			
30	VG250715A30	BLK			